

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004702.D
 Acq On : 19 Sep 2018 13:39
 Operator : JC/MD
 Sample : VX0919WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2018 1:42:36 PM

Quant Time: Sep 19 17:10:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	348345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	147261	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
35) Dibromofluoromethane	5.50	113	140604	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
50) Toluene-d8	8.71	98	495053	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
62) 4-Bromofluorobenzene	11.14	95	180438	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47553	19.91	ug/l	98
3) Chloromethane	1.32	50	65960	20.06	ug/l	99
4) Vinyl Chloride	1.40	62	73222	21.70	ug/l	91
5) Bromomethane	1.64	94	37873	26.25	ug/l	92
6) Chloroethane	1.72	64	43276	19.83	ug/l	90
7) Trichlorofluoromethane	1.93	101	89559	20.02	ug/l	99
8) Diethyl Ether	2.18	74	43209	21.55	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57465	20.25	ug/l	95
10) Methyl Iodide	2.51	142	60216	20.50	ug/l	95
11) Tert butyl alcohol	3.07	59	75707	96.55	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58220	21.86	ug/l	95
13) Acrolein	2.29	56	22167	71.61	ug/l	99
14) Allyl chloride	2.73	41	109095	19.93	ug/l	96
15) Acrylonitrile	3.15	53	188054	99.59	ug/l	98
16) Acetone	2.45	43	143259	89.32	ug/l	98
17) Carbon Disulfide	2.57	76	142226	18.48	ug/l	99
18) Methyl Acetate	2.78	43	98663	21.92	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	209759	22.45	ug/l	93
20) Methylene Chloride	2.85	84	66076	20.08	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	62305	21.17	ug/l	97
22) Diisopropyl ether	3.87	45	217960	22.10	ug/l	93
23) Vinyl Acetate	3.82	43	840814	105.37	ug/l	99
24) 1,1-Dichloroethane	3.70	63	117803	21.16	ug/l	98
25) 2-Butanone	4.70	43	237675	93.11	ug/l	96
26) 2,2-Dichloropropane	4.58	77	84426	22.08	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	69943	21.29	ug/l	99
28) Bromochloromethane	5.03	49	52480	20.61	ug/l	100
29) Tetrahydrofuran	5.15	42	153465	99.69	ug/l	100
30) Chloroform	5.21	83	115916	21.33	ug/l	94
31) Cyclohexane	5.57	56	100201	21.08	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	93670	21.40	ug/l	98
36) 1,1-Dichloropropene	5.79	75	78537	18.57	ug/l	97
37) Ethyl Acetate	4.86	43	90289	18.77	ug/l	99
38) Carbon Tetrachloride	5.79	117	78211	18.93	ug/l	90

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	88835	20.13	ug/l	98
40) Benzene	6.14	78	253296	20.19	ug/l	97
41) Methacrylonitrile	5.06	41	53013	20.00	ug/l	98
42) 1,2-Dichloroethane	6.20	62	82011	19.71	ug/l	98
43) Isopropyl Acetate	6.46	43	130141	20.37	ug/l	99
44) Trichloroethene	7.21	130	72187	22.14	ug/l	86
45) 1,2-Dichloropropane	7.52	63	64549	21.38	ug/l	100
46) Dibromomethane	7.66	93	39760	20.84	ug/l	98
47) Bromodichloromethane	7.90	83	72821	20.19	ug/l	99
48) Methyl methacrylate	7.78	41	64762	20.48	ug/l	97
49) 1,4-Dioxane	7.76	88	26946	360.09	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	415699	92.21	ug/l	100
52) Toluene	8.79	92	151126	20.44	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	82496	19.58	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	91622	21.33	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	62077	19.50	ug/l	98
56) Ethyl methacrylate	9.18	69	90409	20.08	ug/l	98
57) 1,3-Dichloropropane	9.37	76	101643	19.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	214909	98.22	ug/l	97
59) 2-Hexanone	9.49	43	312415	90.34	ug/l	99
60) Dibromochloromethane	9.59	129	59336	19.80	ug/l	99
61) 1,2-Dibromoethane	9.67	107	63770	20.97	ug/l	100
64) Tetrachloroethene	9.34	164	84353	20.77	ug/l	96
65) Chlorobenzene	10.14	112	173871	21.52	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	59804	21.46	ug/l	100
67) Ethyl Benzene	10.26	91	283411	21.57	ug/l	99
68) m/p-Xylenes	10.36	106	222573	43.98	ug/l	98
69) o-Xylene	10.70	106	108436	22.29	ug/l	100
70) Styrene	10.71	104	180281	22.37	ug/l	100
71) Bromoform	10.86	173	46470	20.31	ug/l	99
73) Isopropylbenzene	11.02	105	297364	23.24	ug/l	99
74) N-amyl acetate	10.90	43	114085	21.19	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	81486	19.75	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	82921m	21.22	ug/l	
77) Bromobenzene	11.26	156	79350	22.44	ug/l	99
78) n-propylbenzene	11.36	91	330125	22.44	ug/l	100
79) 2-Chlorotoluene	11.42	91	197272	22.11	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	244416	22.73	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	25059	20.44	ug/l	97
82) 4-Chlorotoluene	11.51	91	228195	21.92	ug/l	99
83) tert-Butylbenzene	11.77	119	234850	22.94	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	251914	22.94	ug/l	99
85) sec-Butylbenzene	11.94	105	296185	22.70	ug/l	99
86) p-Isopropyltoluene	12.07	119	266540	23.13	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	143345	21.73	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	146535	21.50	ug/l	99
89) n-Butylbenzene	12.39	91	225242	21.45	ug/l	98
90) Hexachloroethane	12.60	117	38436	20.84	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	146479	21.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17880	20.29	ug/l	92

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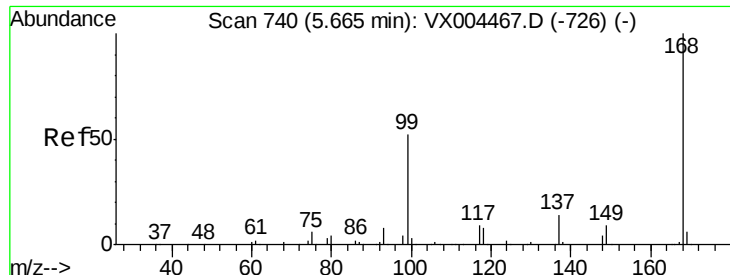
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107735	22.79	ug/l	99
94) Hexachlorobutadiene	13.79	225	53345	21.60	ug/l	97
95) Naphthalene	13.83	128	312513	23.57	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	109958	22.64	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

Tot Ion:168 Resp: 254870

Ion Ratio Lower Upper

168 100

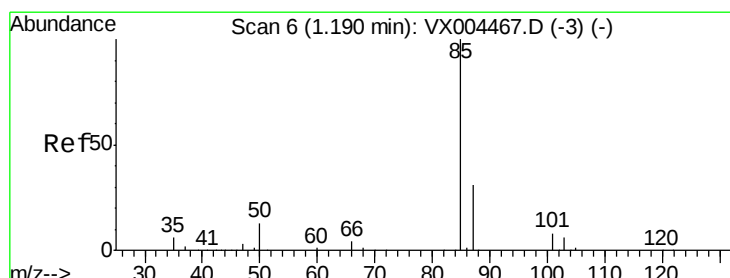
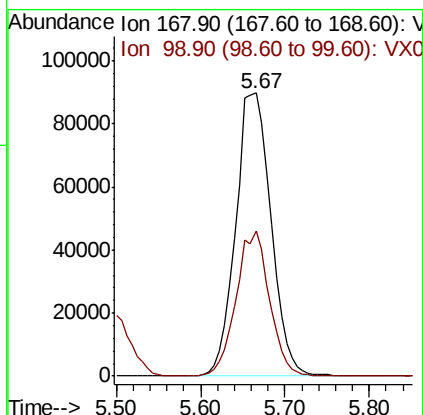
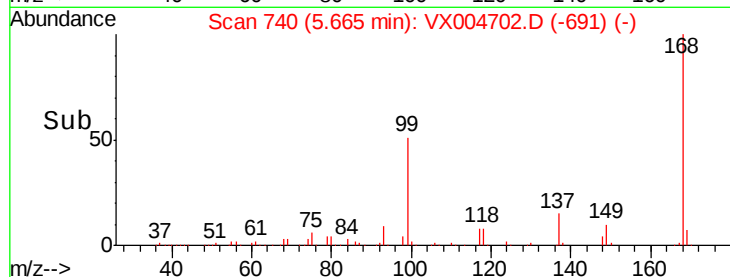
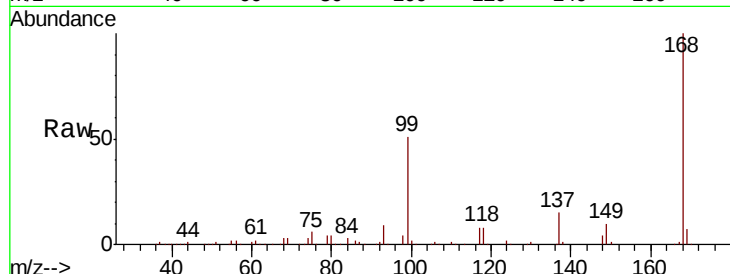
99 51.2 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.91 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004702.D

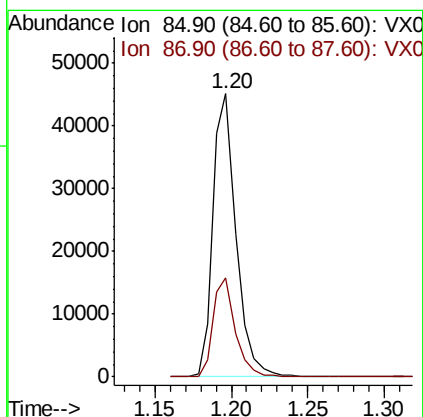
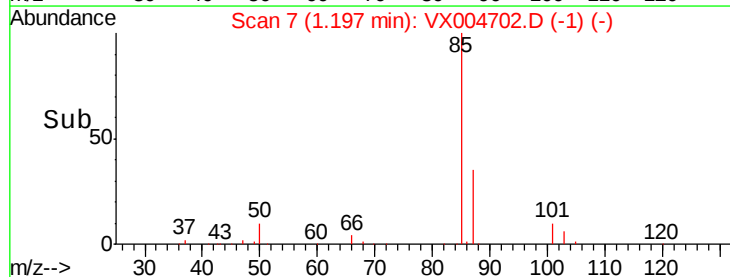
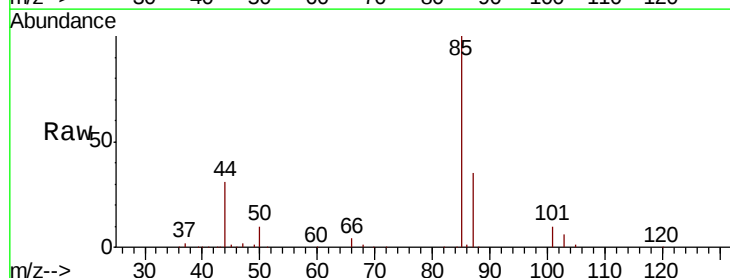
Acq: 19 Sep 2018 13:39

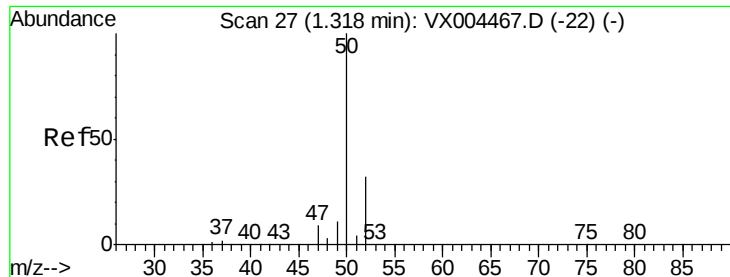
Tgt Ion: 85 Resp: 47553

Ion Ratio Lower Upper

85 100

87 35.1 17.0 50.9





#3

Chloromethane

Concen: 20.06 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

Tot Ion: 50 Resp: 65960

Ion Ratio Lower Upper

50 100

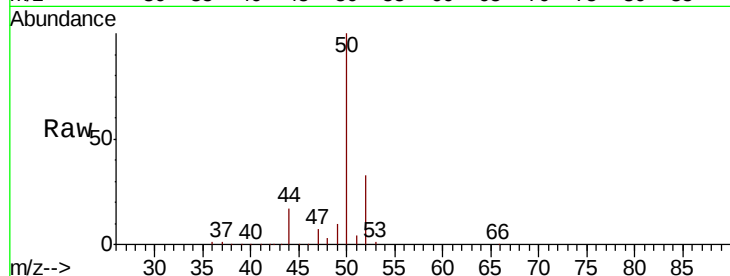
52 33.3 26.2 39.2

Manual Integrations

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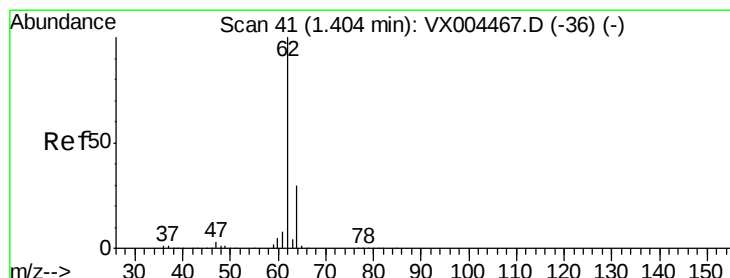
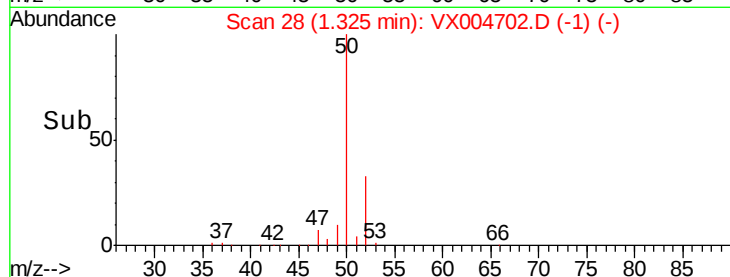
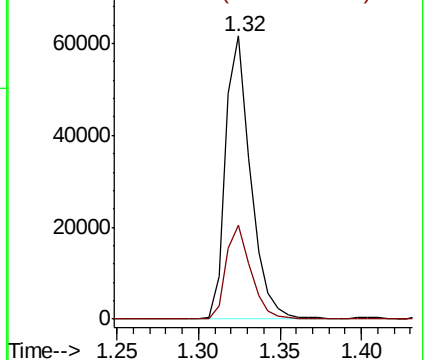
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.70 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004702.D

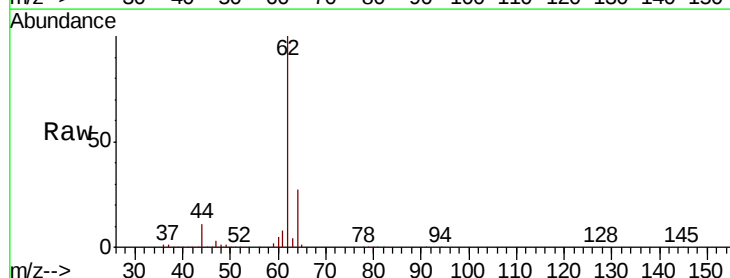
Acq: 19 Sep 2018 13:39

Tgt Ion: 62 Resp: 73222

Ion Ratio Lower Upper

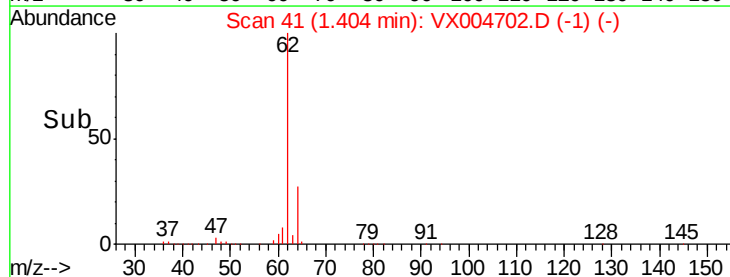
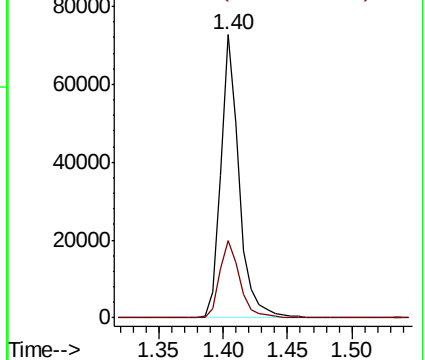
62 100

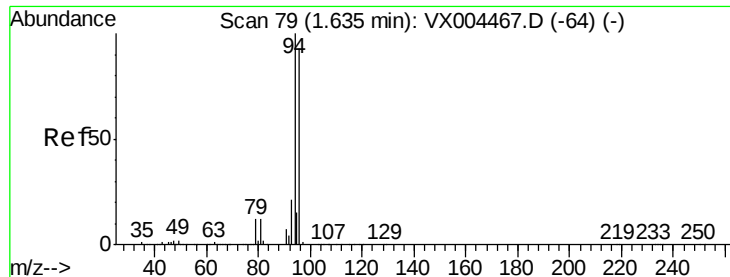
64 27.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.25 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

Tot Ion: 94 Resp: 37873

Ion Ratio Lower Upper

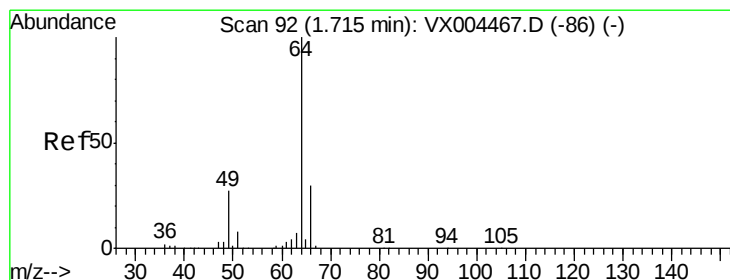
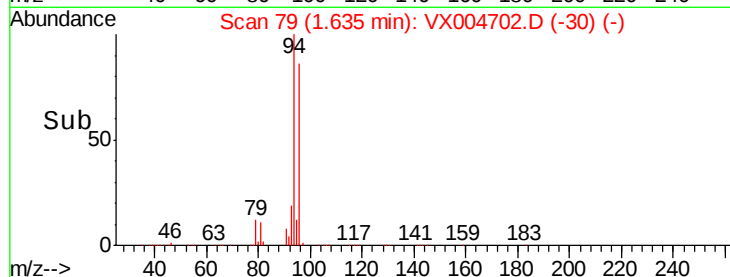
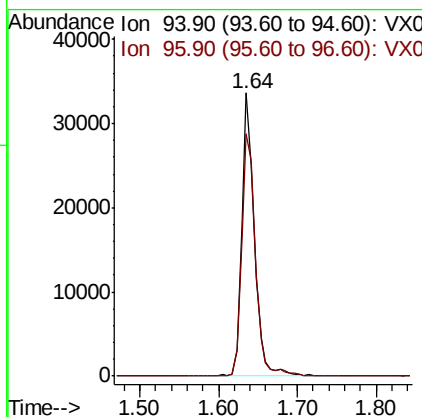
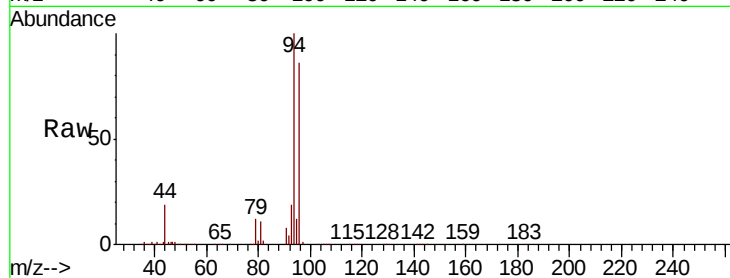
94 100

96 85.6 74.5 111.7

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#6

Chloroethane

Concen: 19.83 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004702.D

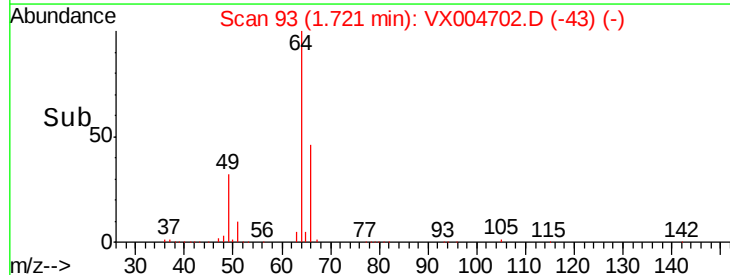
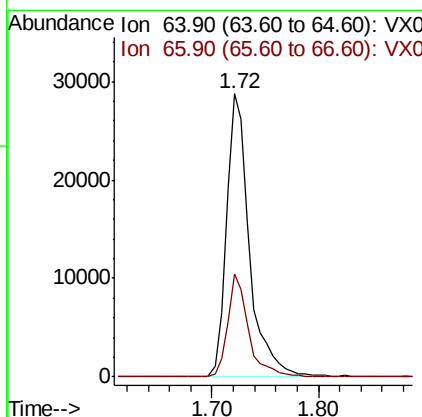
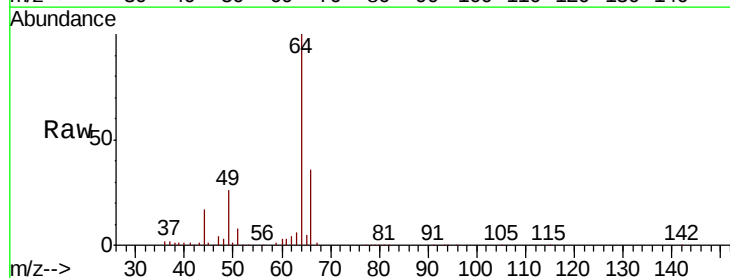
Acq: 19 Sep 2018 13:39

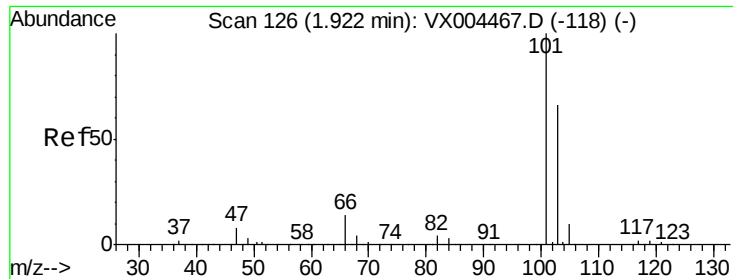
Tgt Ion: 64 Resp: 43276

Ion Ratio Lower Upper

64 100

66 36.2 24.6 36.8





#7

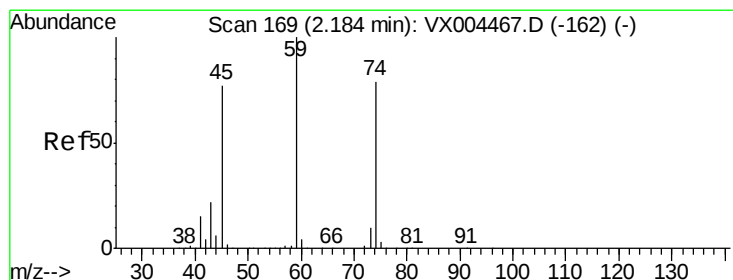
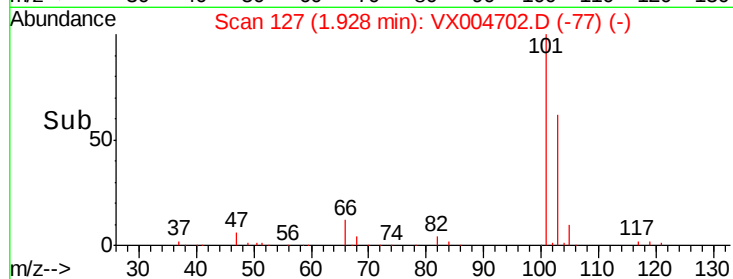
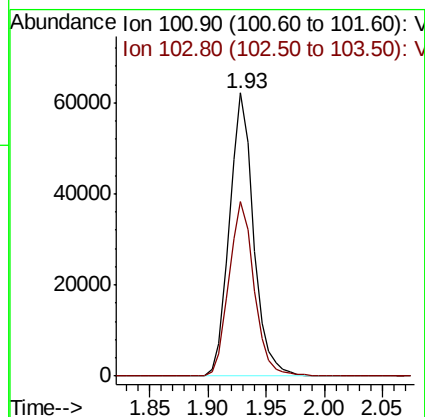
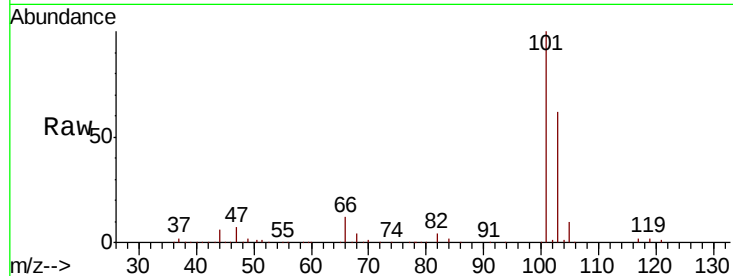
Trichlorofluoromethane
 Concen: 20.02 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
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 ClientSampleId :
 VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	48.9	73.3

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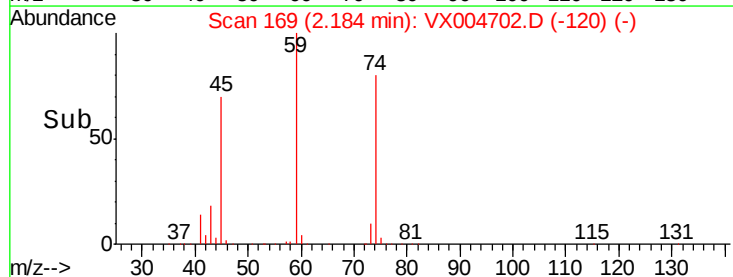
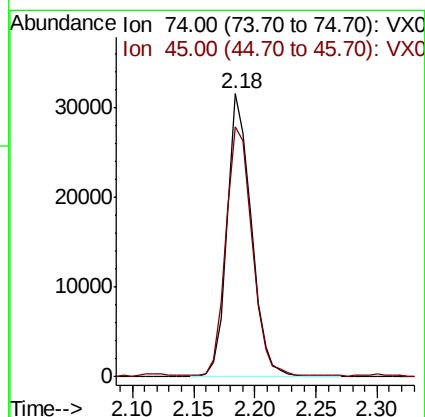
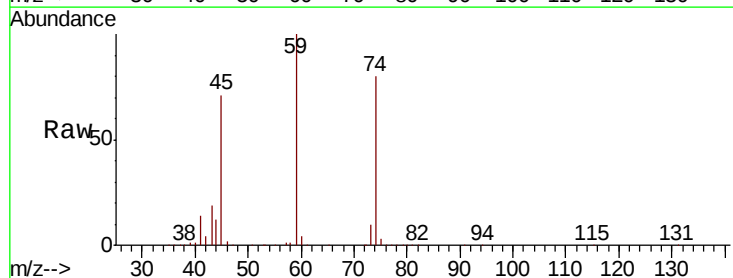
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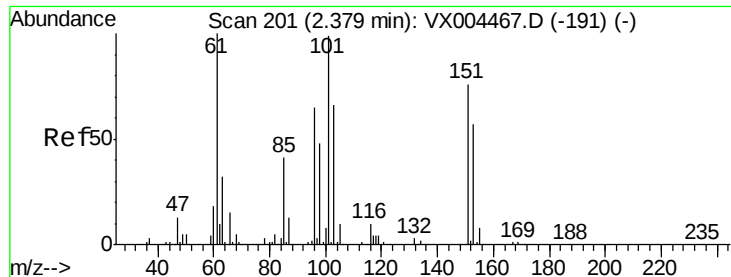


#8

Diethyl Ether
 Concen: 21.55 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.25 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

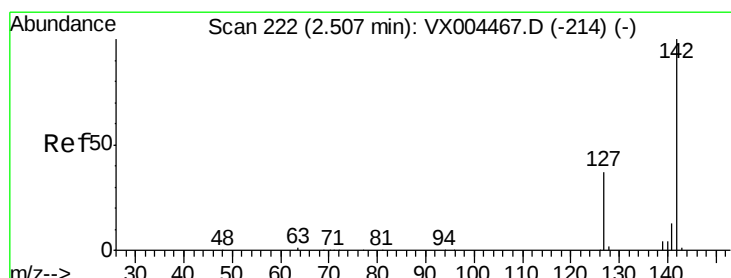
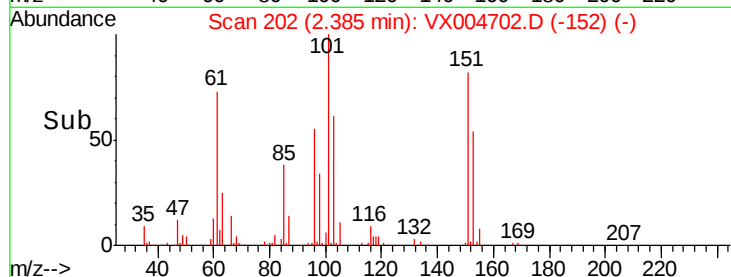
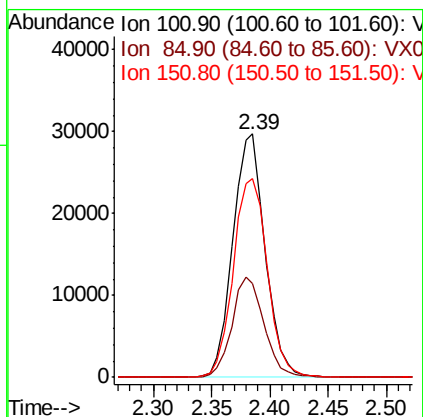
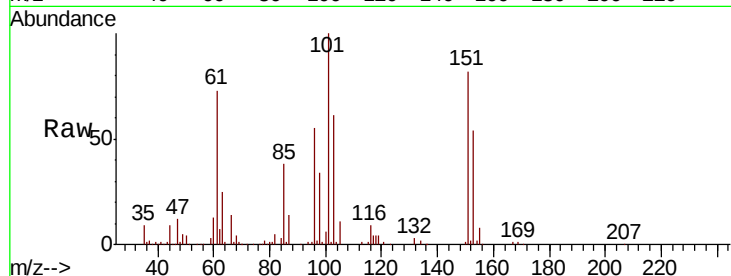
ClientSampleId :

VX0919WBSD01

Tot Ion:	101	Resp:	57465
Ion Ratio	Lower	Upper	
101	100		
85	40.9	34.2	51.4
151	86.3	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.50 ug/l

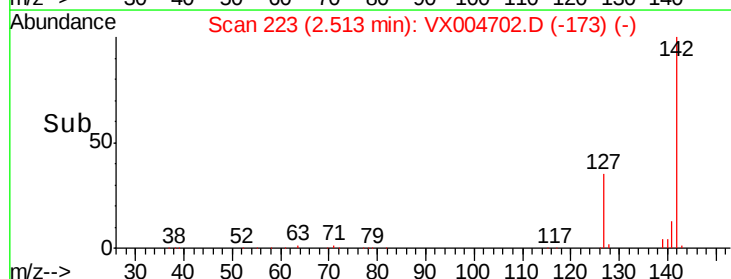
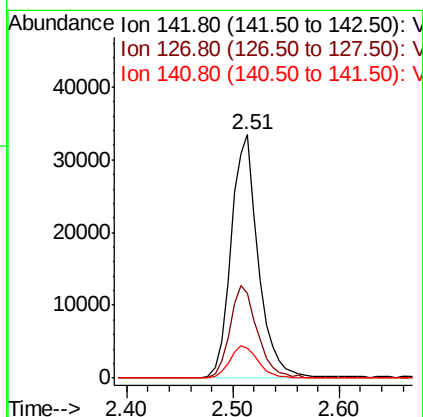
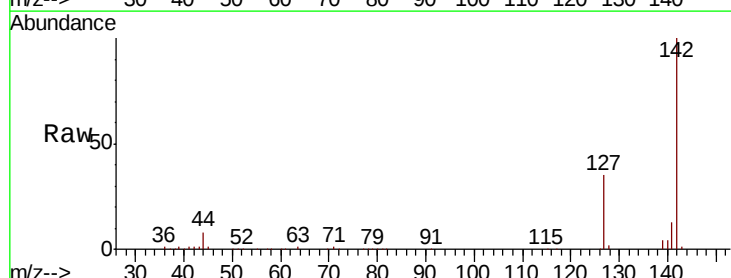
RT: 2.51 min Scan# 223

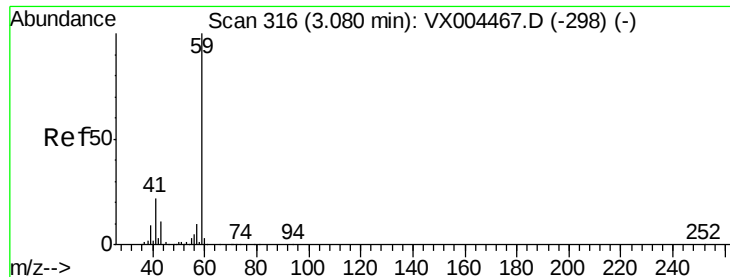
Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tgt Ion:	142	Resp:	60216
Ion Ratio	Lower	Upper	
142	100		
127	38.4	33.8	50.6
141	14.1	11.4	17.0





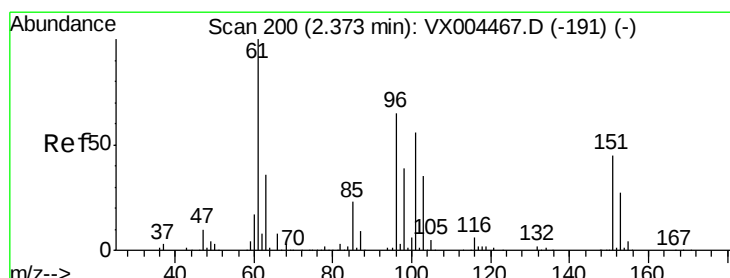
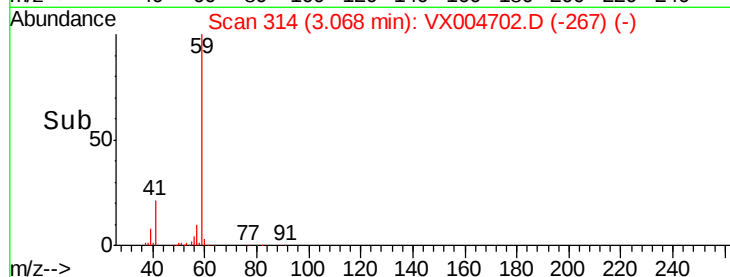
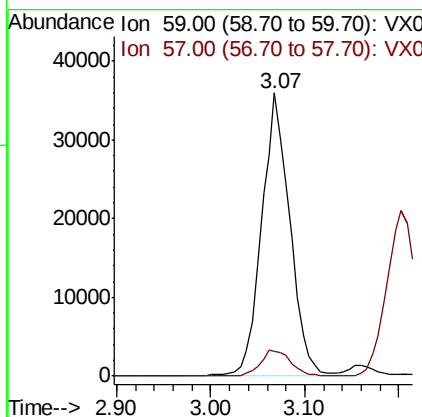
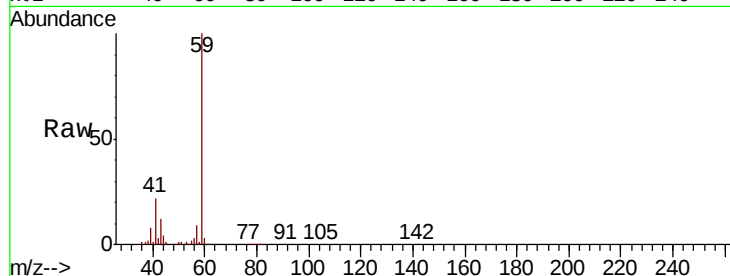
#11
Tert butyl alcohol
Concen: 96.55 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

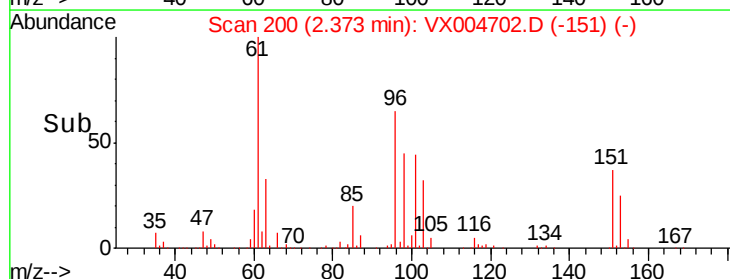
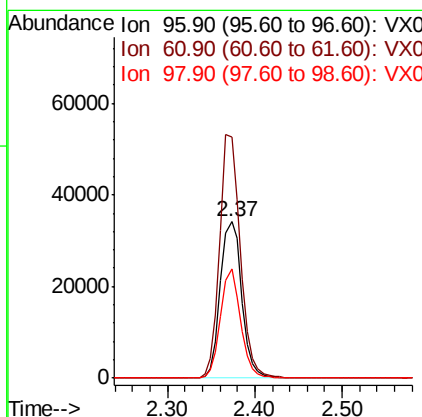
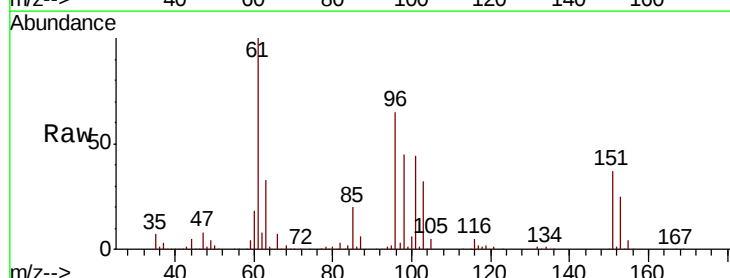
Manual Integrations
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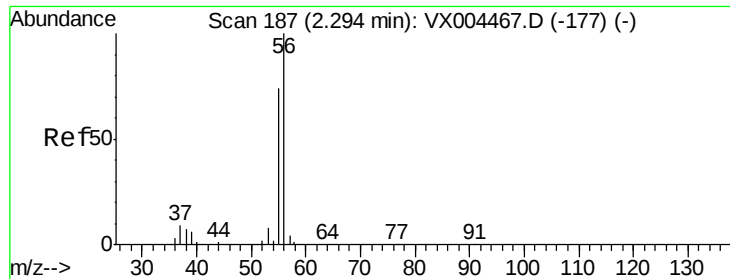
MMDadoda
9/20/2018 1:42:36 PM



#12
1,1-Dichloroethene
Concen: 21.86 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	128.8	193.2
98	69.6	52.2	78.2





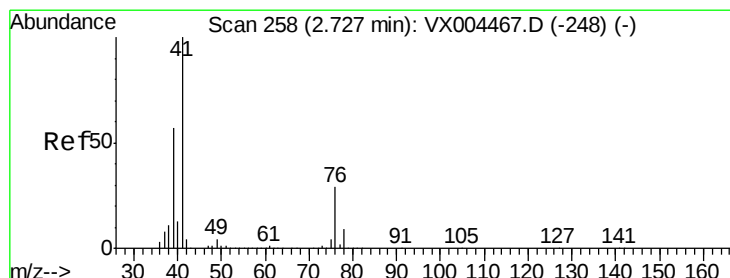
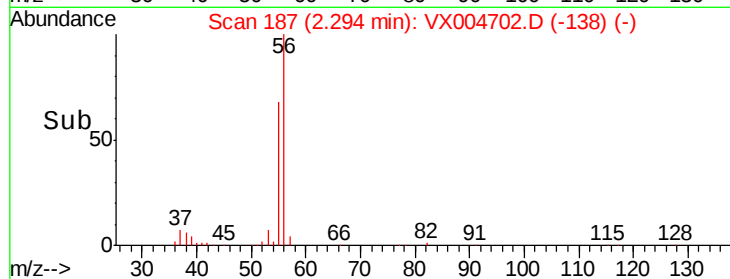
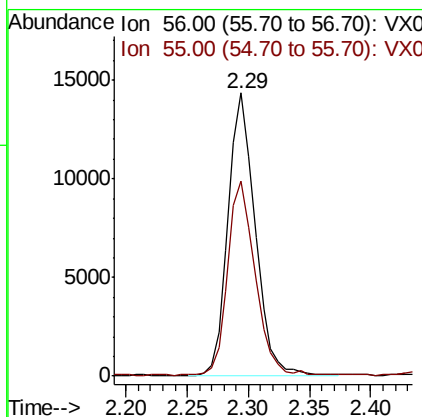
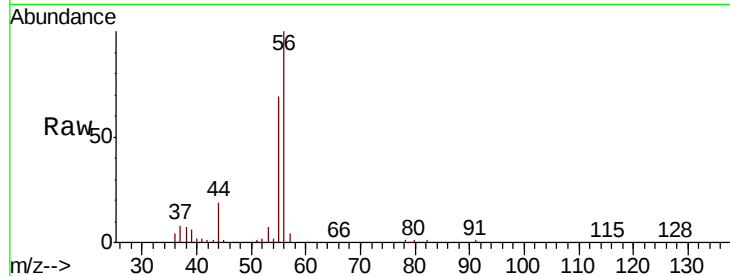
#13
Acrolein
Concen: 71.61 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion	56	Resp	22167
Ion Ratio	100	Lower	Upper
55	68.0	54.7	82.1

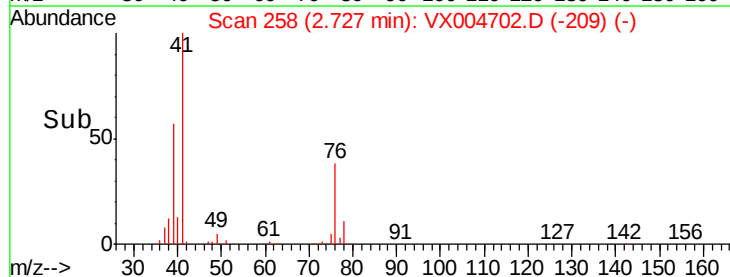
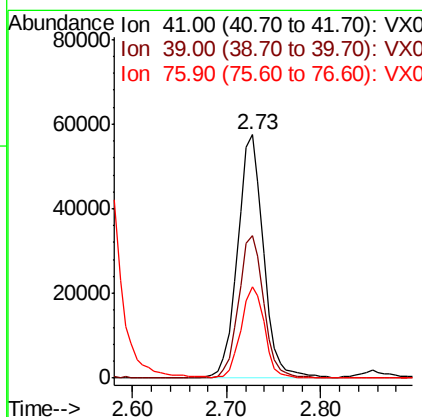
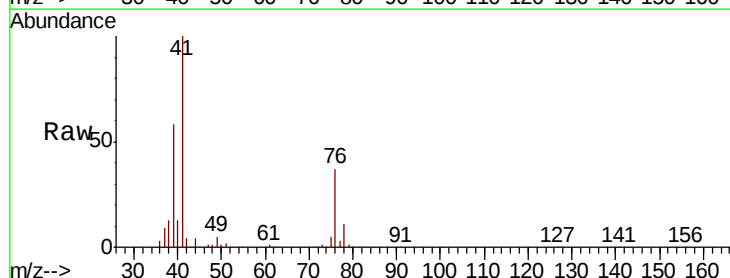
Manual Integrations
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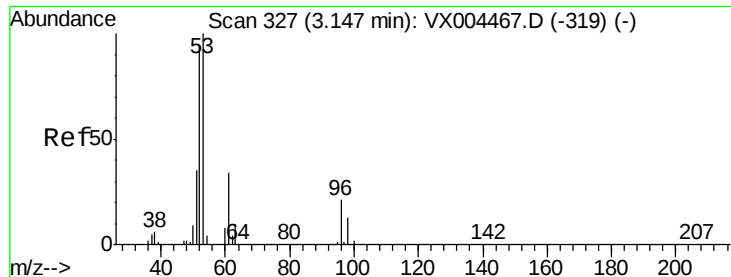
MMDadoda
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#14
Allyl chloride
Concen: 19.93 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion	41	Resp	109095
Ion Ratio	100	Lower	Upper
39	57.0	48.9	73.3
76	35.0	26.7	40.1





#15

Acrylonitrile

Concen: 99.59 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

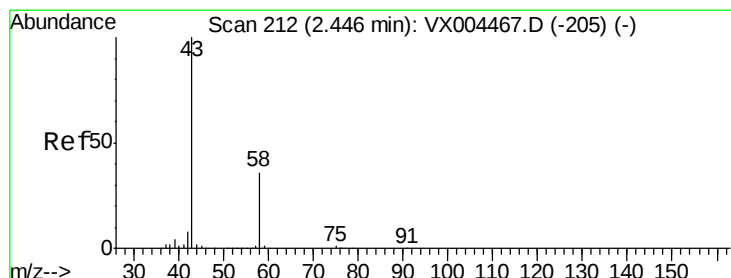
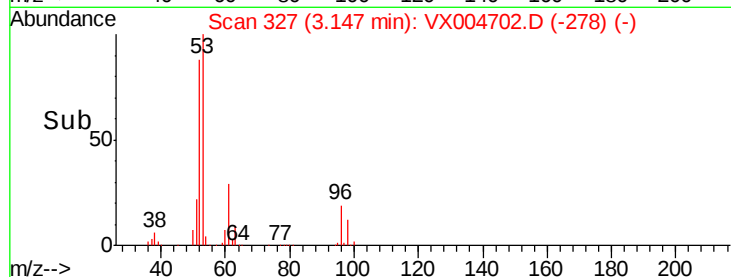
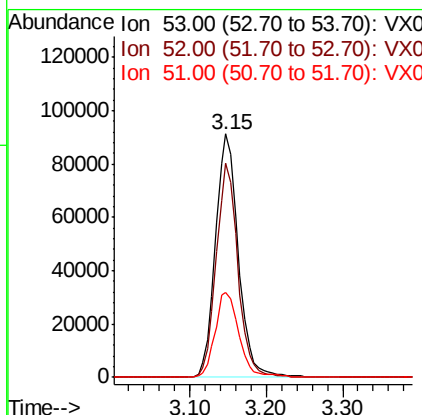
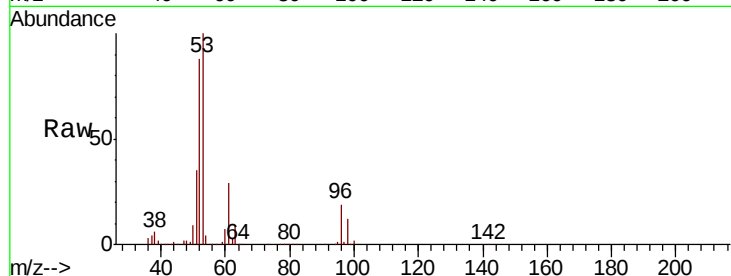
ClientSampleId :

VX0919WBSD01

Tot Ion:	53	Resp:	188054
Ion Ratio	Lower	Upper	
53	100		
52	83.8	65.2	97.8
51	36.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 89.32 ug/l

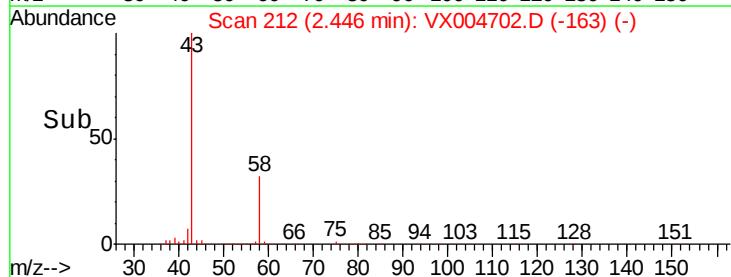
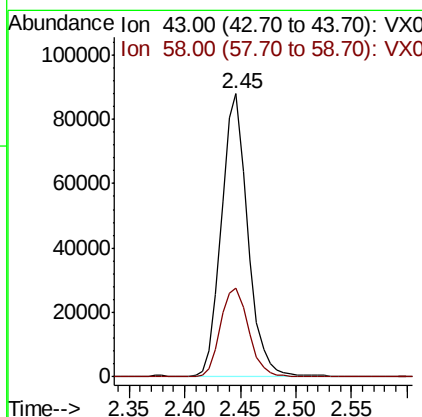
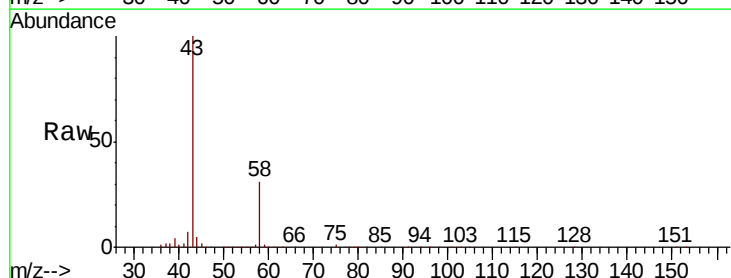
RT: 2.45 min Scan# 212

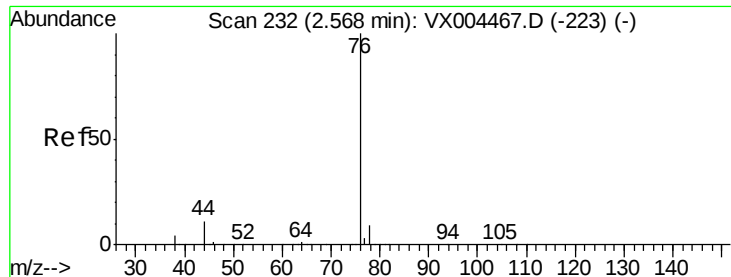
Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tgt Ion:	43	Resp:	143259
Ion Ratio	Lower	Upper	
43	100		
58	31.5	26.2	39.4





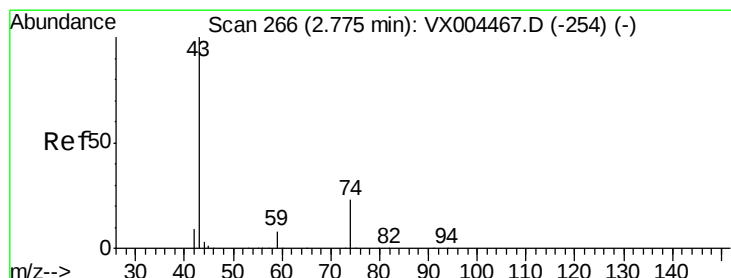
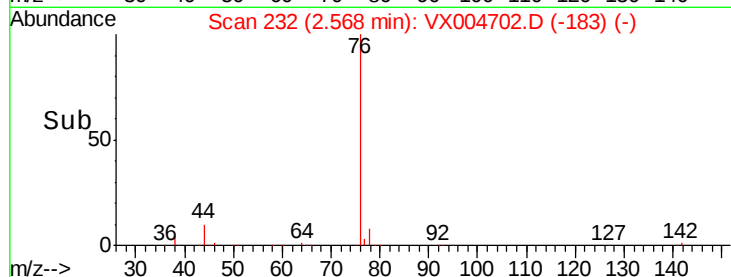
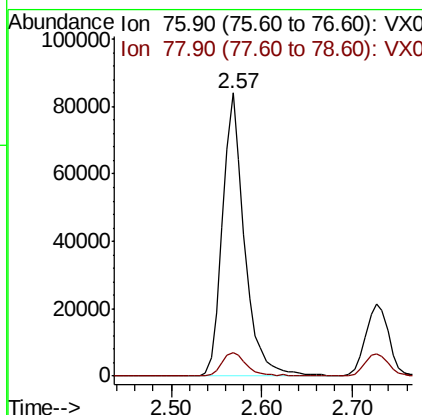
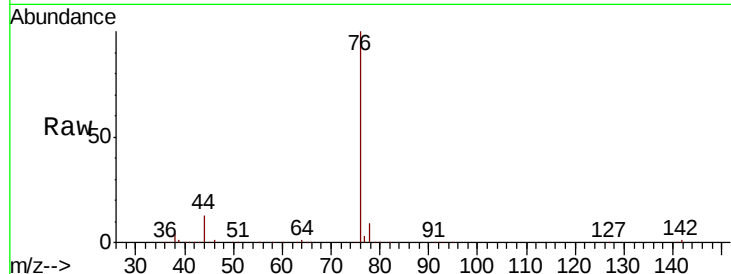
#17
Carbon Disulfide
Concen: 18.48 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.0	10.6

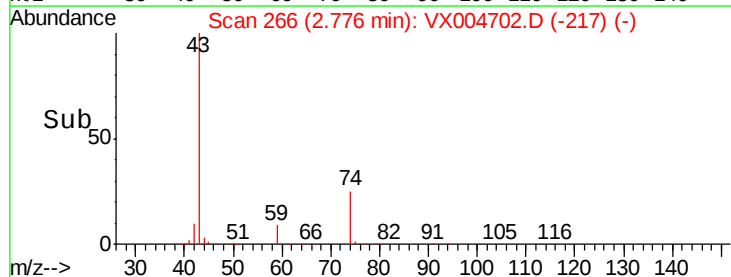
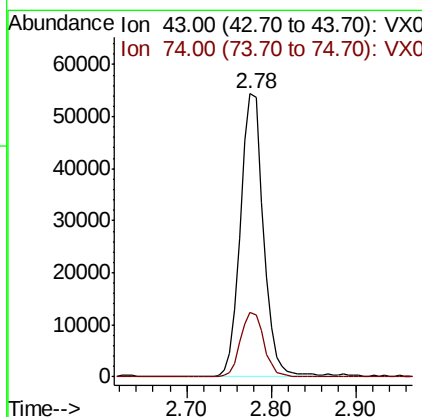
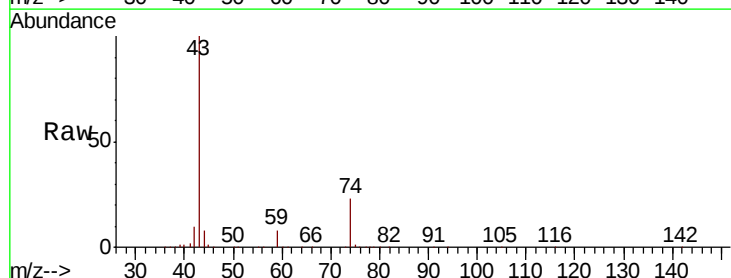
Manual Integrations
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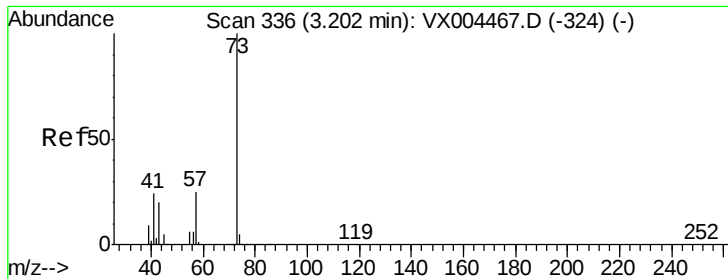
MMDadoda
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#18
Methyl Acetate
Concen: 21.92 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.4	29.2





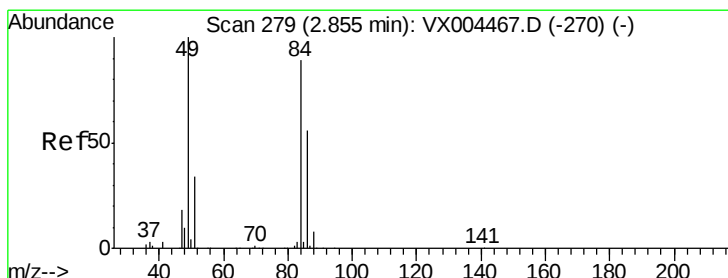
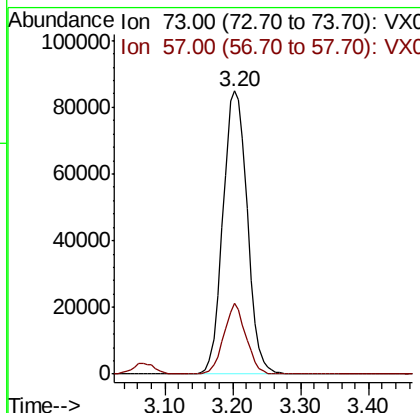
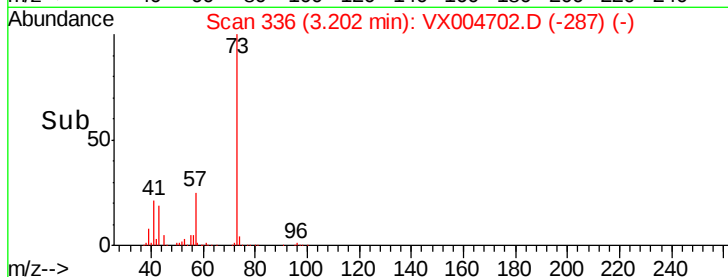
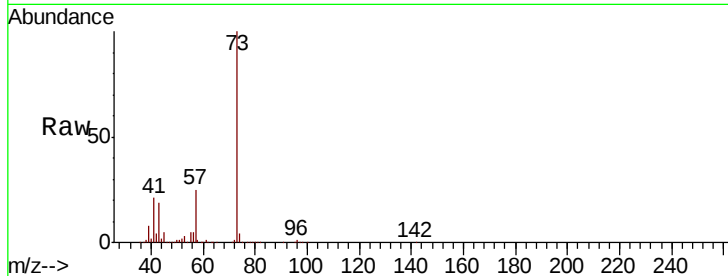
#19
Methvl tert-butvl Ether
Concen: 22.45 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.9	17.1	25.7

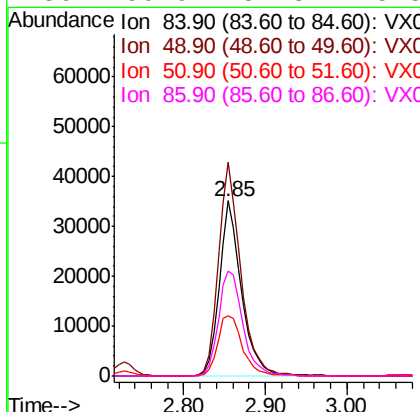
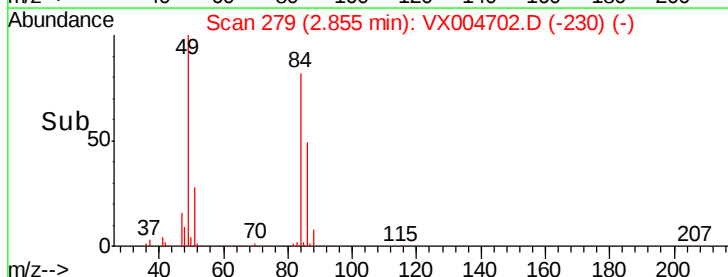
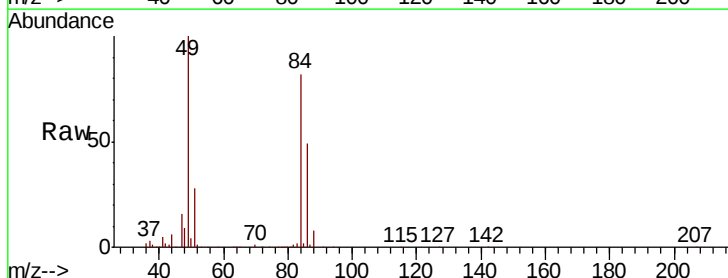
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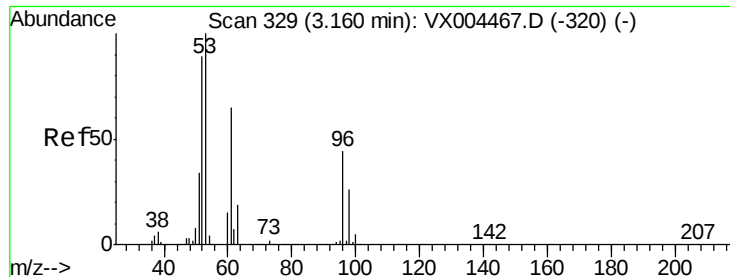
MMDadoda
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#20
Methylene Chloride
Concen: 20.08 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.2	101.2	151.8
51	34.0	29.5	44.3
86	59.9	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 21.17 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

Tot Ion: 96 Resp: 62305

Ion Ratio Lower Upper

96 100

61 144.7 113.8 170.6

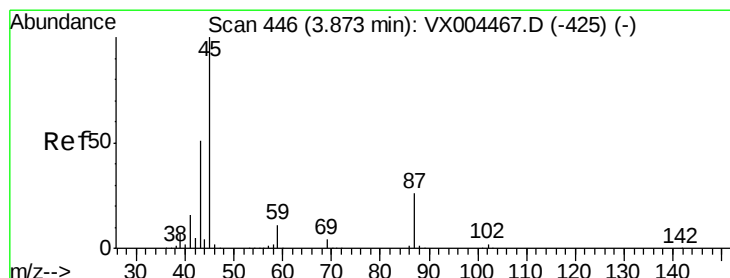
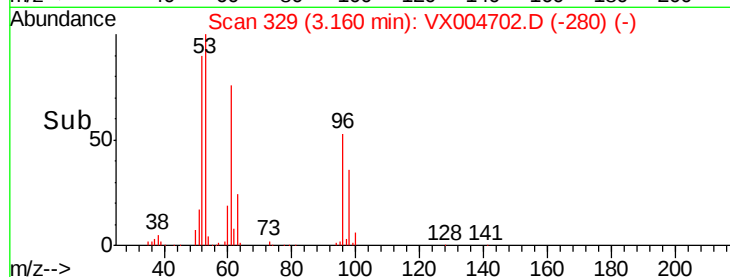
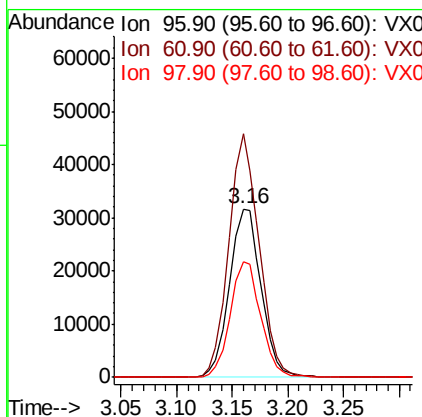
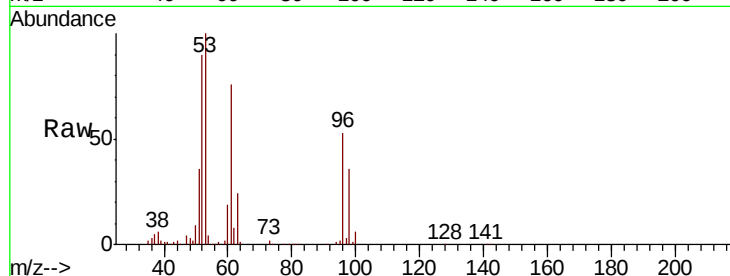
98 68.4 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 22.10 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tgt Ion: 45 Resp: 217960

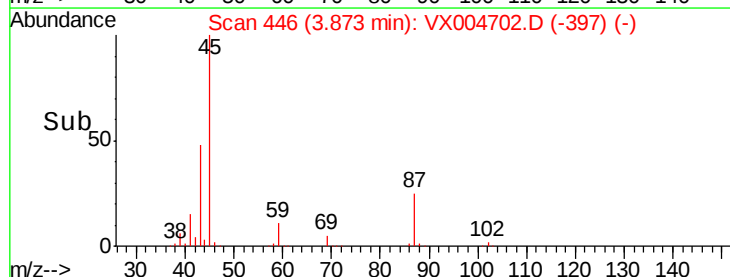
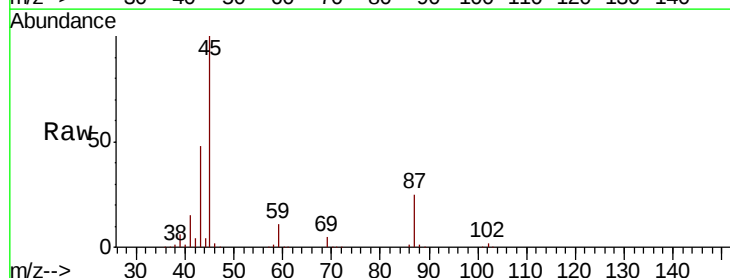
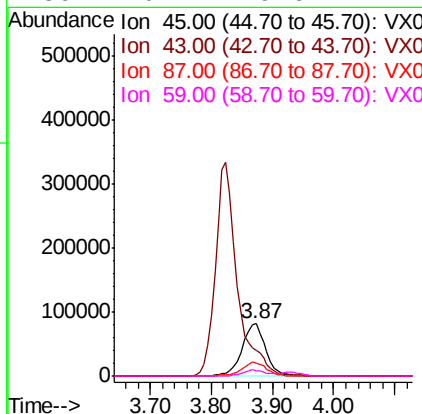
Ion Ratio Lower Upper

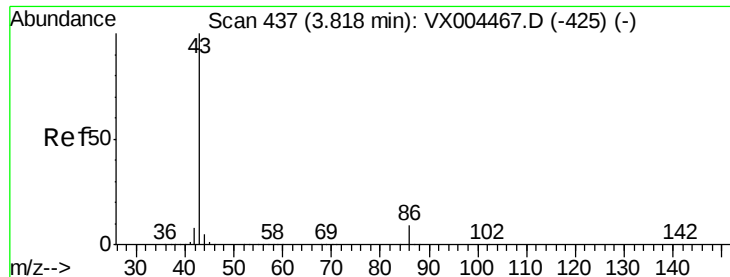
45 100

43 48.0 42.8 64.2

87 25.0 22.6 34.0

59 10.7 9.6 14.4





#23

Vinyl Acetate

Concen: 105.37 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleID :

VX0919WBSD01

Tot Ion: 43 Resp: 840814

Ion Ratio Lower Upper

43 100

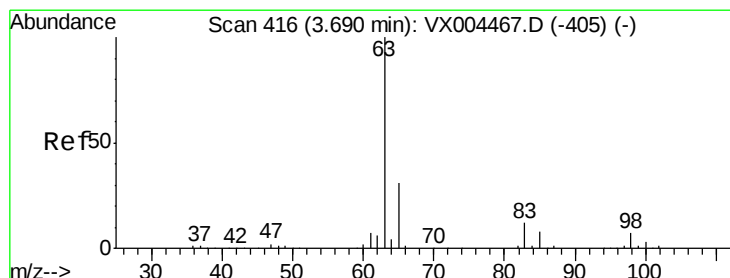
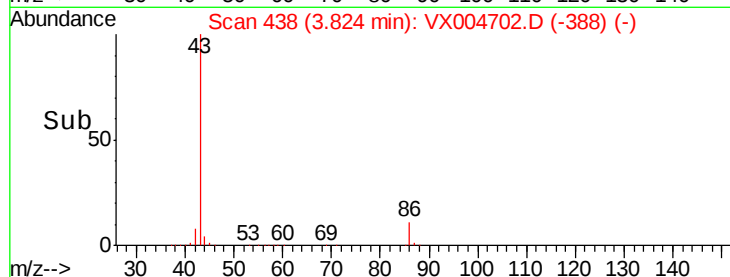
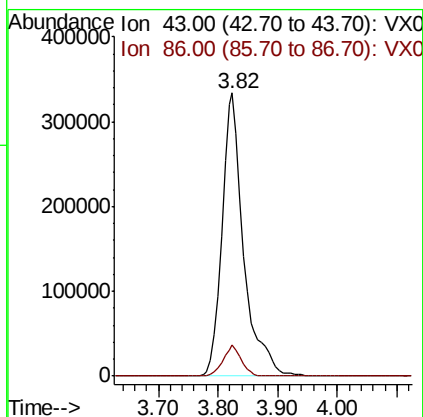
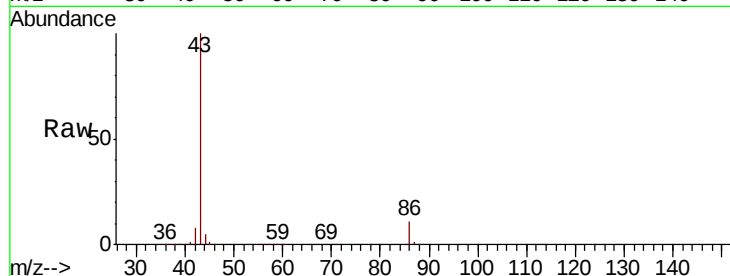
86 10.8 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.16 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

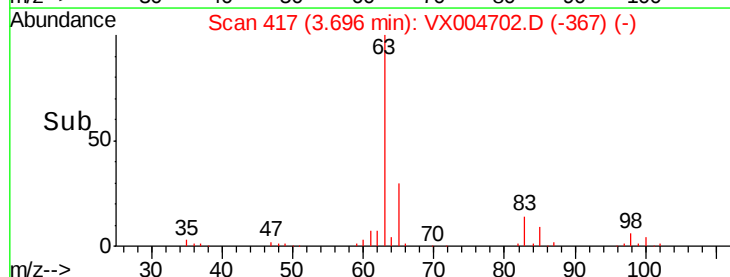
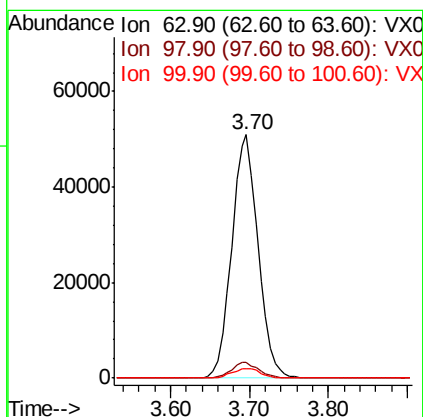
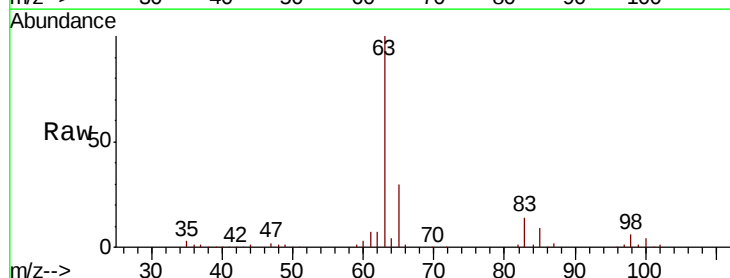
Tgt Ion: 63 Resp: 117803

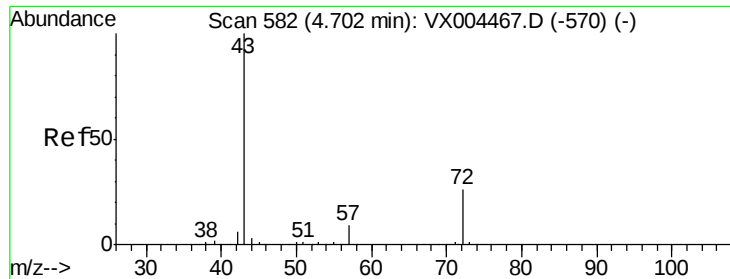
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 3.8 2.4 7.1





#25

2-Butanone

Concen: 93.11 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tot Ion: 43 Resp: 237675

Ion Ratio Lower Upper

43 100

72 25.2 22.0 33.0

Instrument :

MSVOA_X

ClientSampleId :

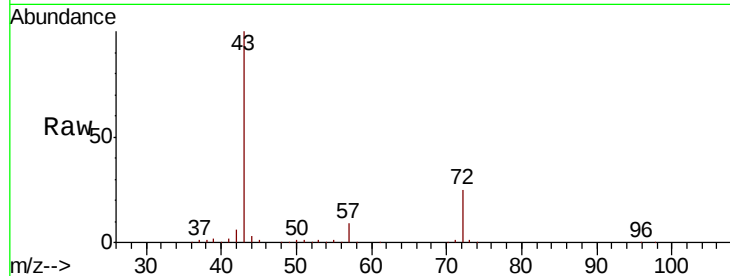
VX0919WBSD01

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

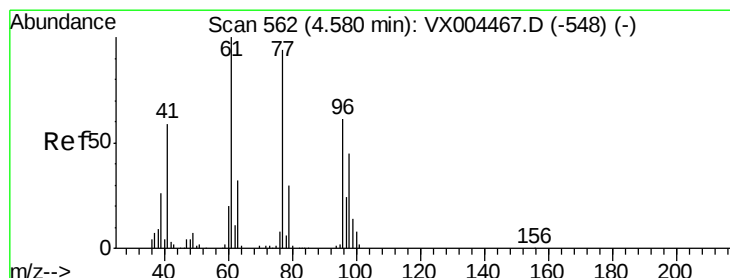
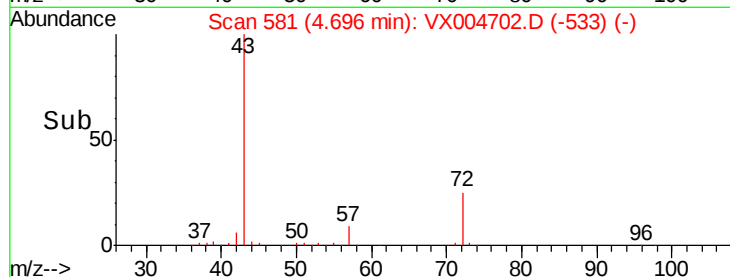
40000

20000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 22.08 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004702.D

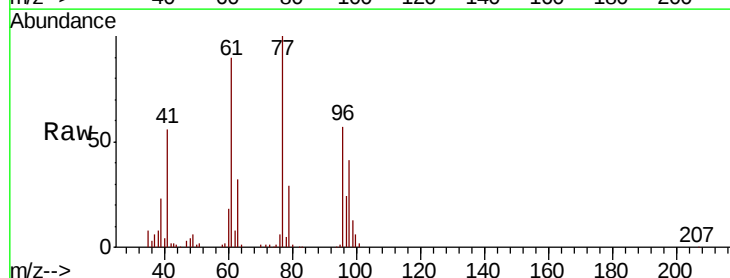
Acq: 19 Sep 2018 13:39

Tgt Ion: 77 Resp: 84426

Ion Ratio Lower Upper

77 100

97 25.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

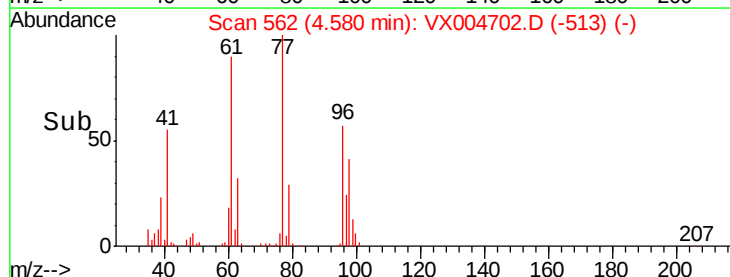
20000

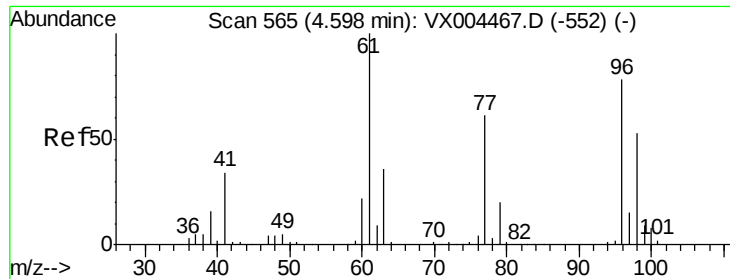
10000

0

Time-->

4.50 4.60 4.70





#27

cis-1,2-Dichloroethene

Concen: 21.29 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

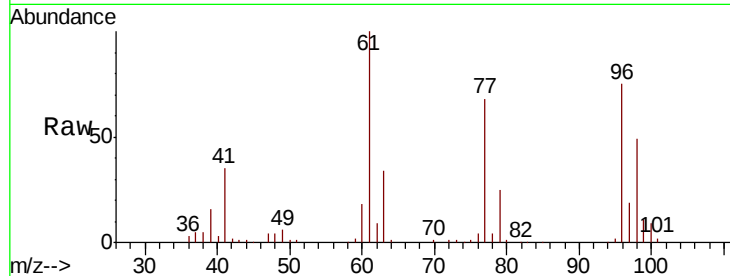
ClientSampleId :

VX0919WBSD01

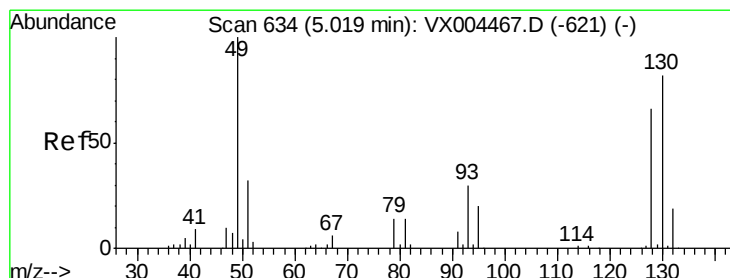
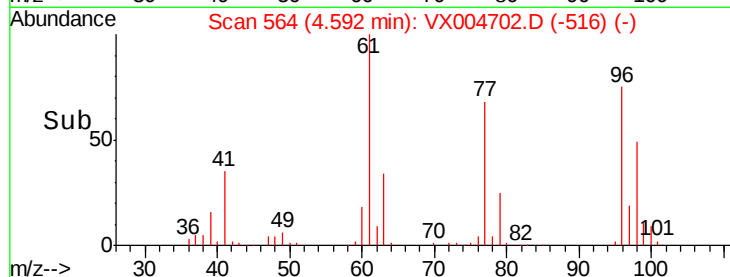
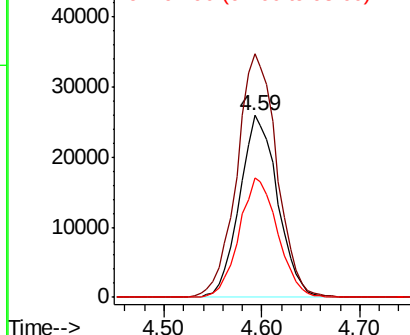
Tot Ion:	96	Resp:	69943
Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	282.6
98	66.5	0.0	130.2

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 20.61 ug/l

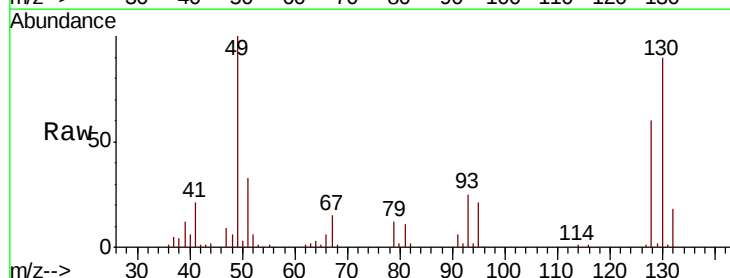
RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

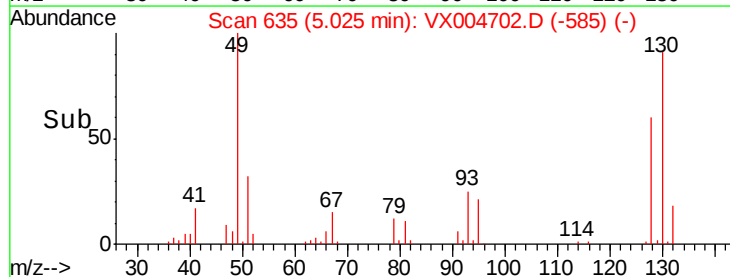
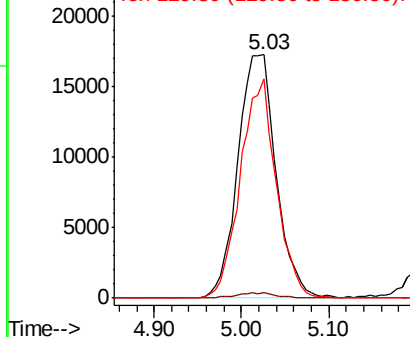
Lab File: VX004702.D

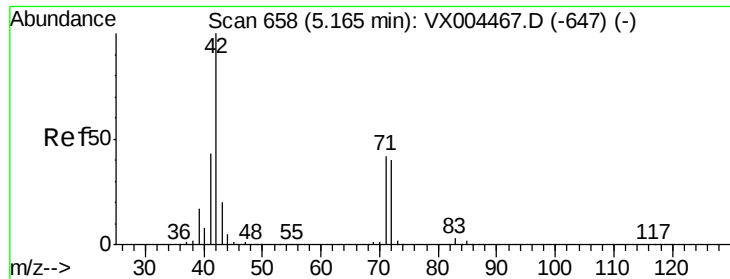
Acq: 19 Sep 2018 13:39

Tgt Ion:	49	Resp:	52480
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.1	67.5	101.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





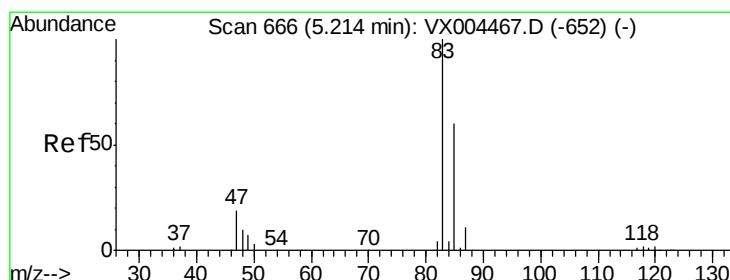
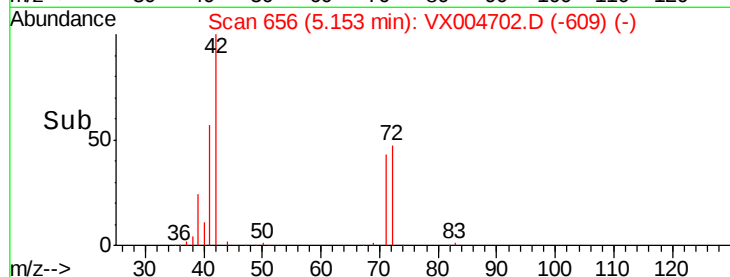
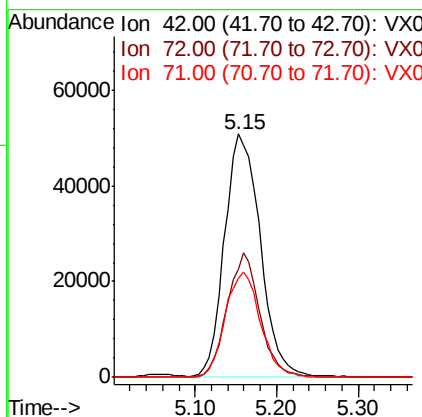
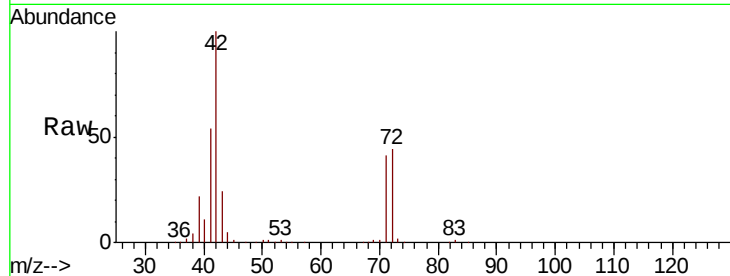
#29
Tetrahydrofuran
Concen: 99.69 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion:	42	Resp:	153465
Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.0
71	43.0	34.5	51.7

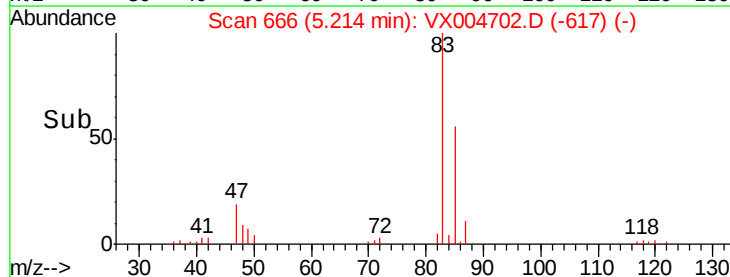
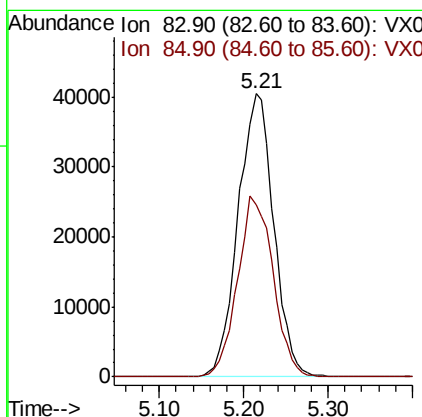
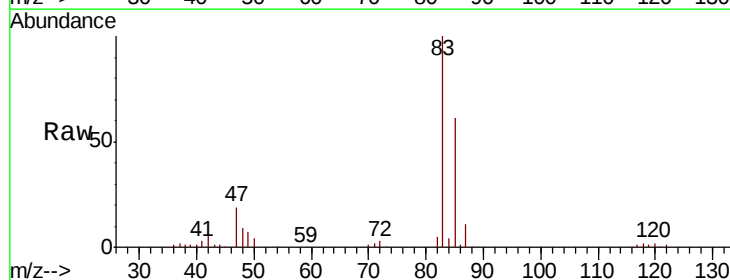
Manual Integrations
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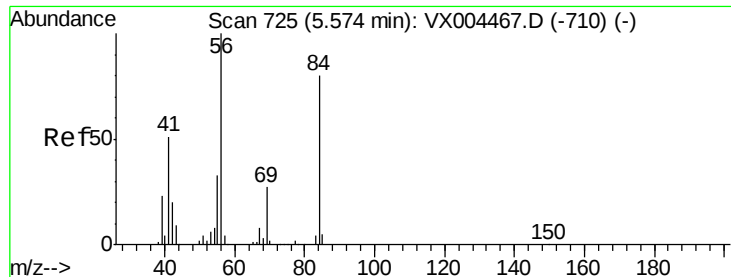
MMDadoda
9/20/2018 1:42:36 PM



#30
Chloroform
Concen: 21.33 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion:	83	Resp:	115916
Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.6	79.0





#31

Cyclohexane

Concen: 21.08 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

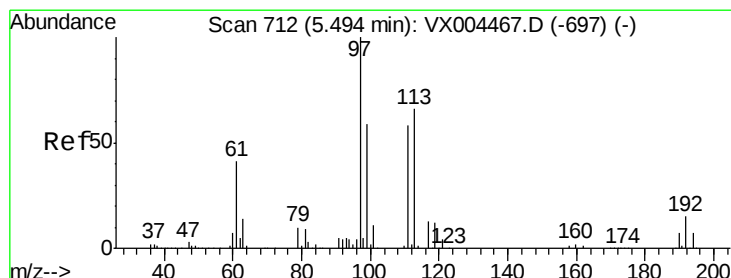
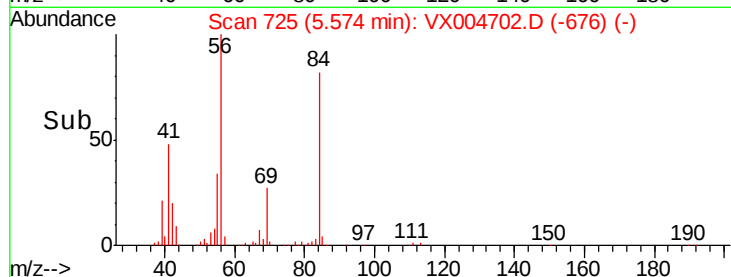
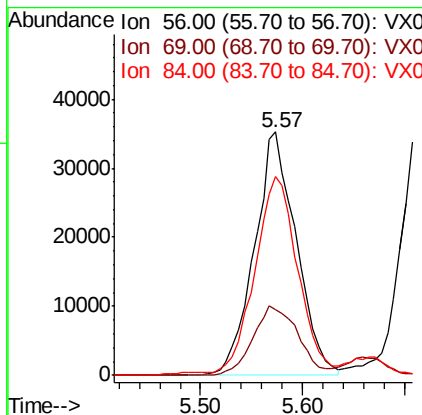
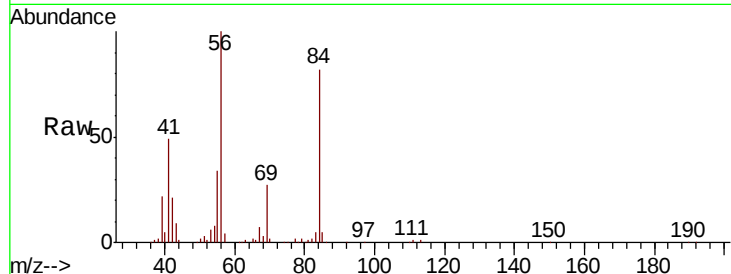
ClientSampleId :

VX0919WBSD01

Tot Ion:	56	Resp:	100201
Ion	Ratio	Lower	Upper
56	100		
69	26.8	25.4	38.2
84	80.4	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.40 ug/l

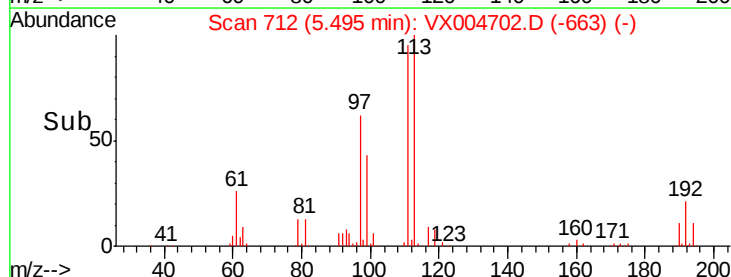
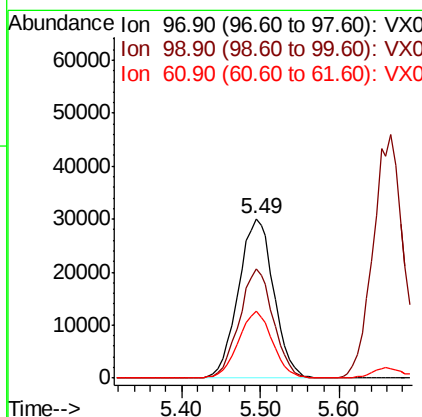
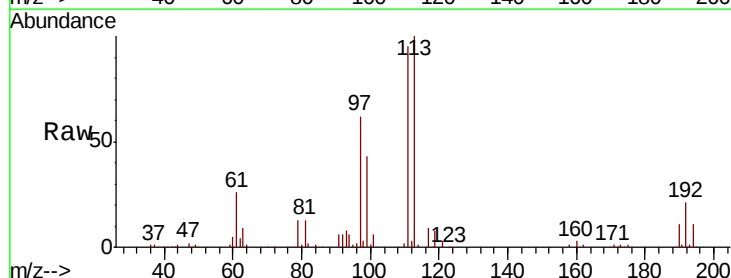
RT: 5.49 min Scan# 712

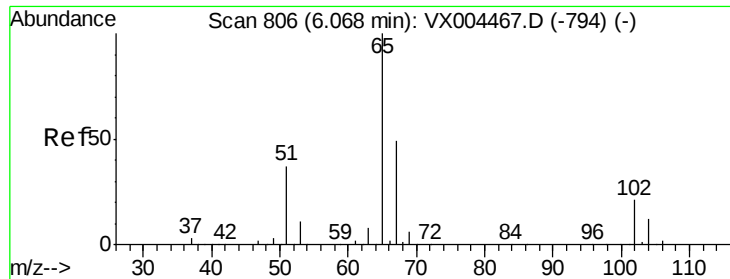
Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tgt Ion:	97	Resp:	93670
Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.0	78.0
61	40.5	34.9	52.3





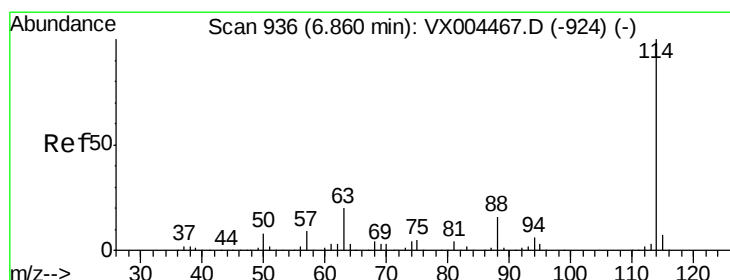
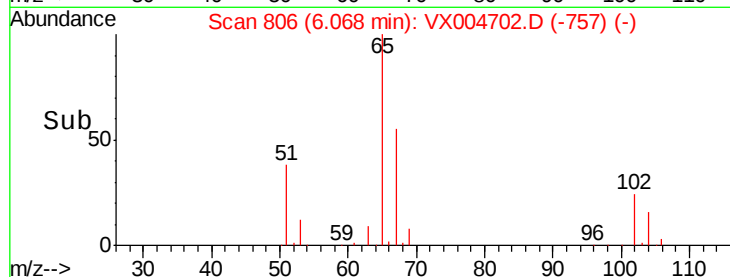
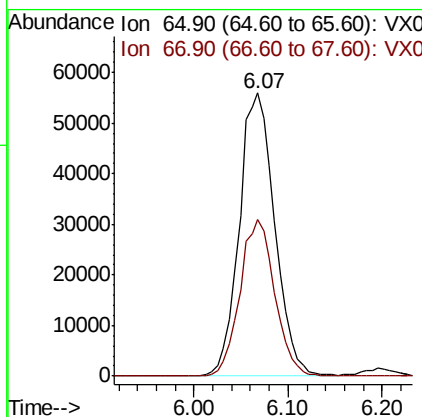
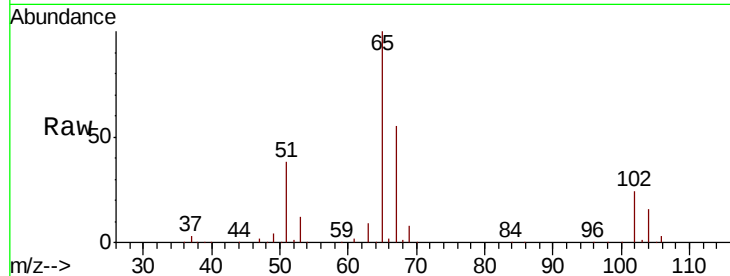
#33
 1,2-Dichloroethane-d4
 Concen: 44.81 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	106.8

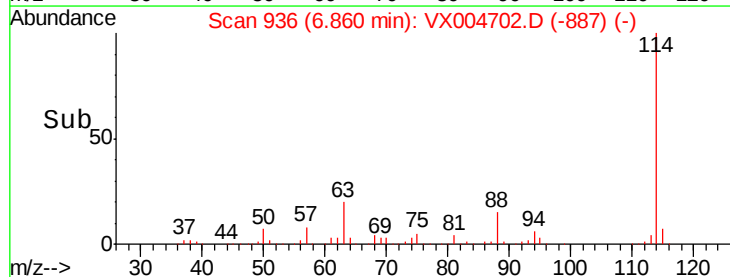
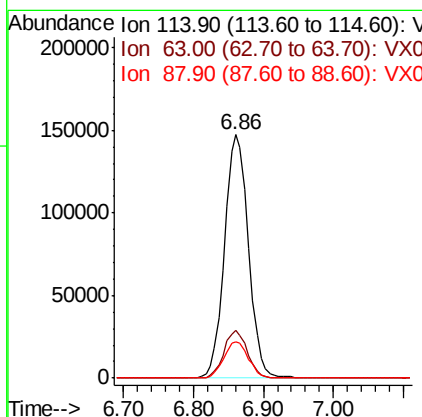
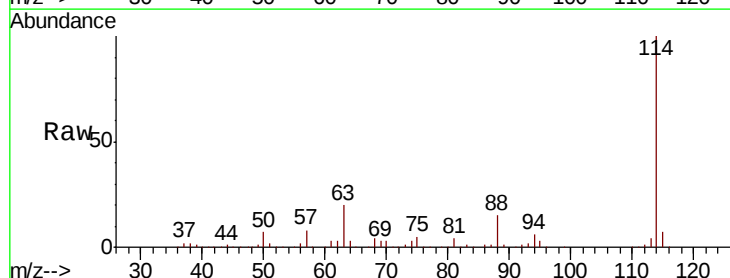
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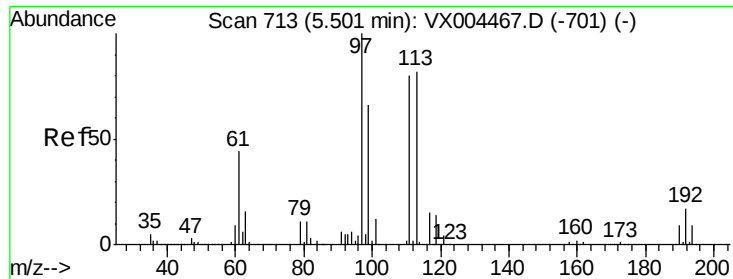
MMDadoda
 9/20/2018 1:42:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.0
88	15.0	0.0	30.4





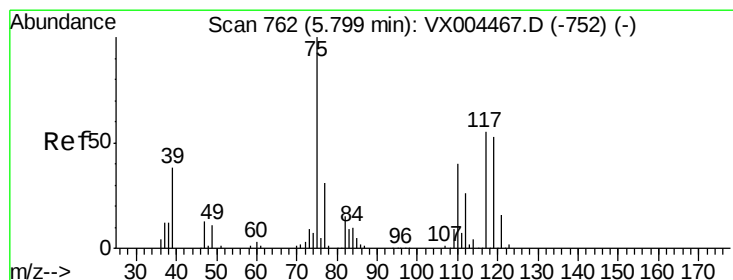
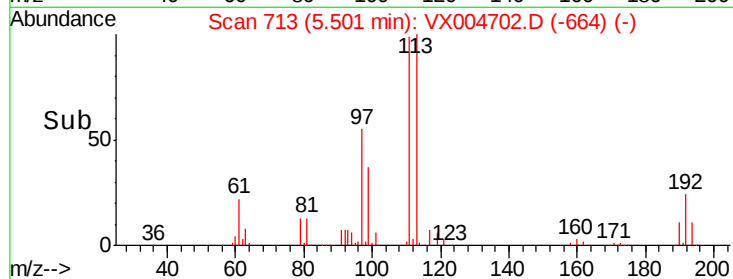
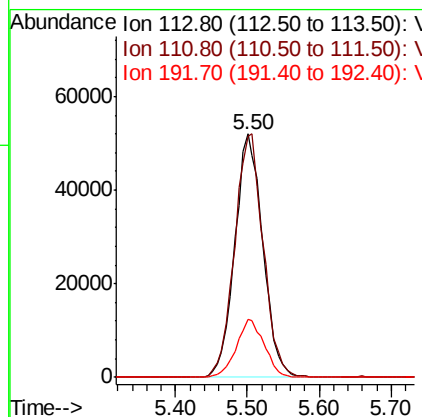
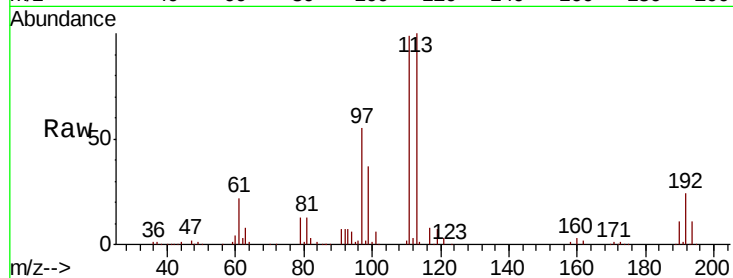
#35
 Dibromofluoromethane
 Concen: 44.11 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140604		
111	102.0		82.4	123.6
192	23.8		19.4	29.2

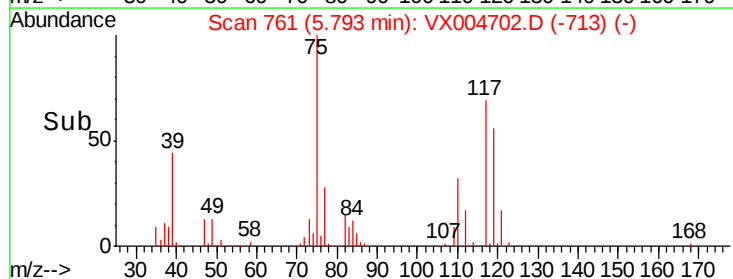
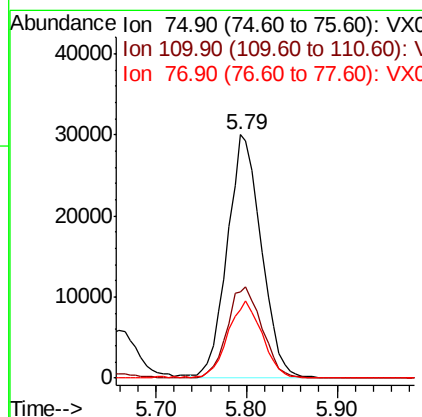
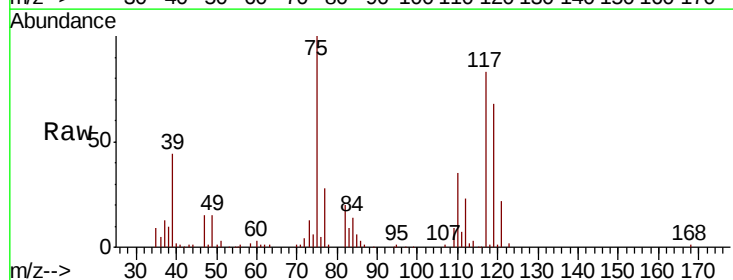
Manual Integrations
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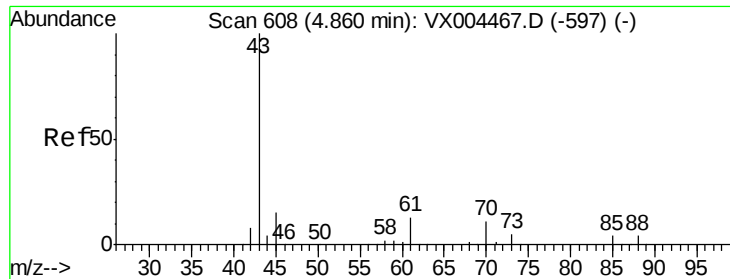
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#36
 1,1-Dichloropropene
 Concen: 18.57 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78537		
110	38.3		18.0	54.0
77	32.0		24.6	36.8





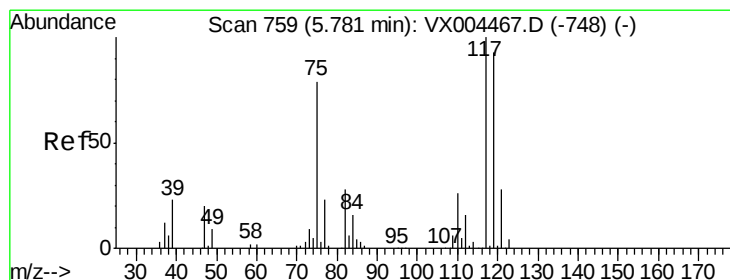
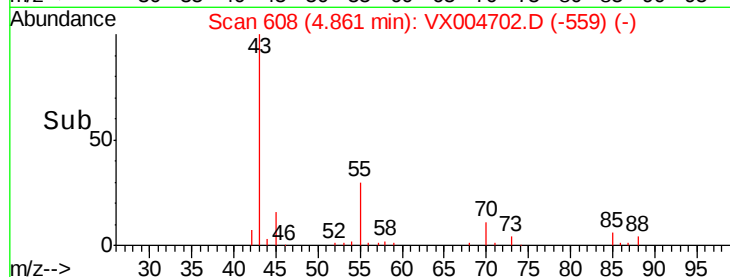
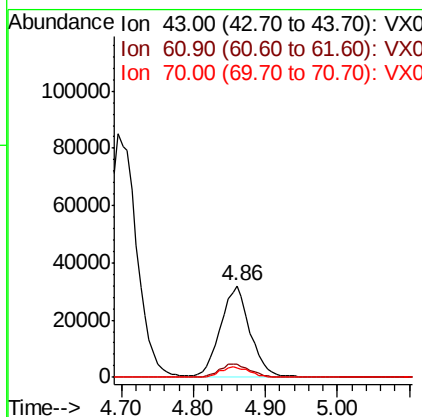
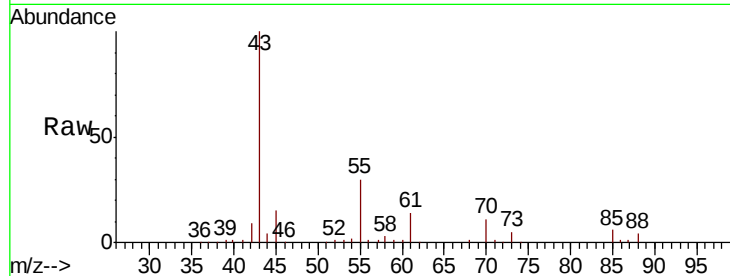
#37
Ethyl Acetate
Concen: 18.77 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.5	17.3
70	11.5	9.0	13.6

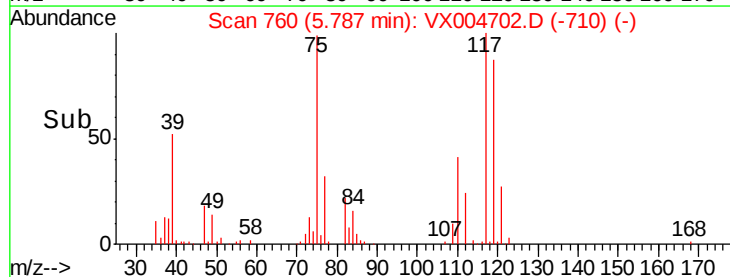
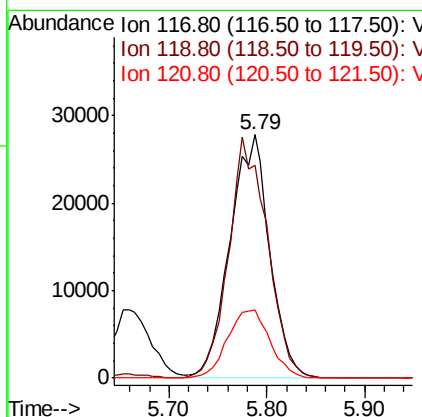
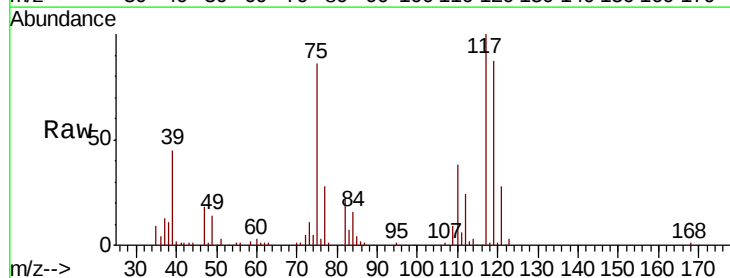
Manual Integrations
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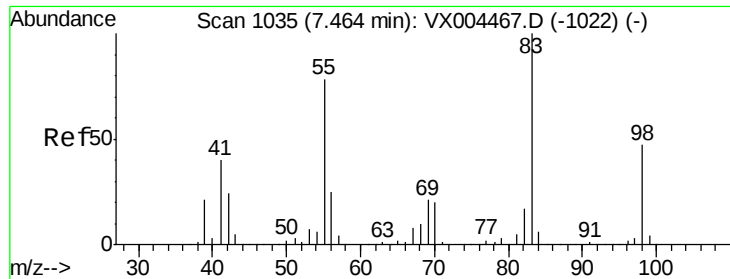
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.93 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.5	78.8	118.2
121	28.0	24.9	37.3





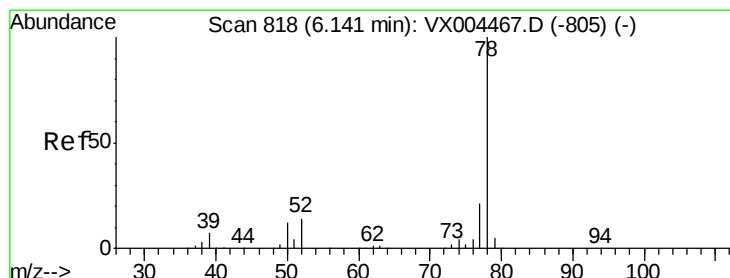
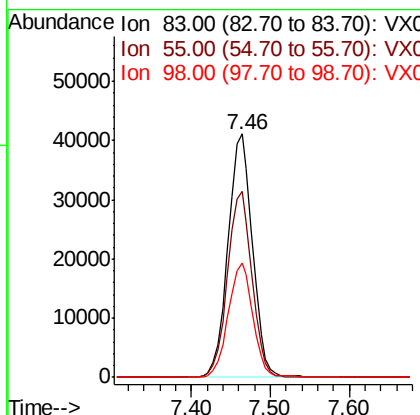
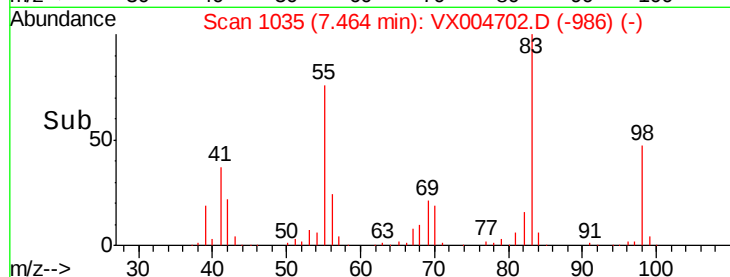
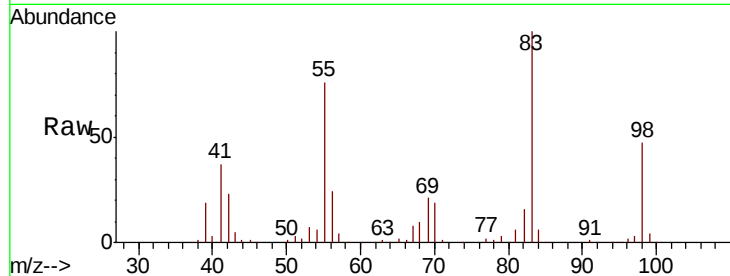
#39
Methvlcvclohexane
Concen: 20.13 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.0	91.4
98	46.8	39.6	59.4

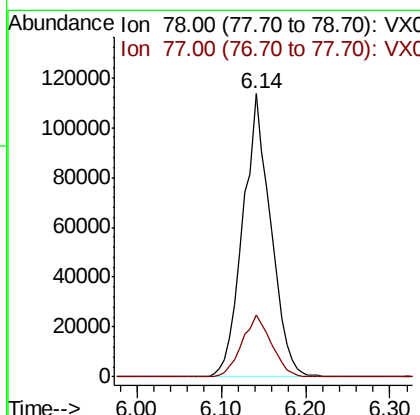
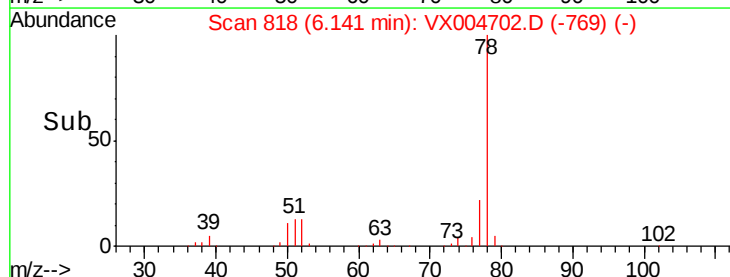
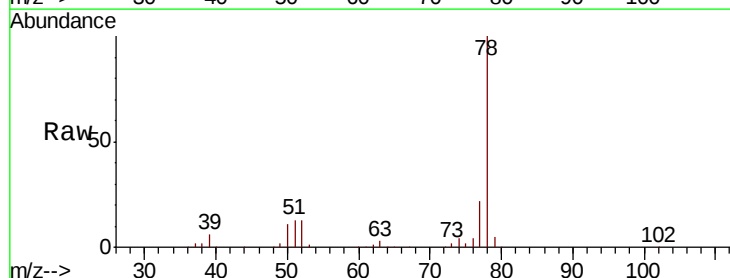
Manual Integrations
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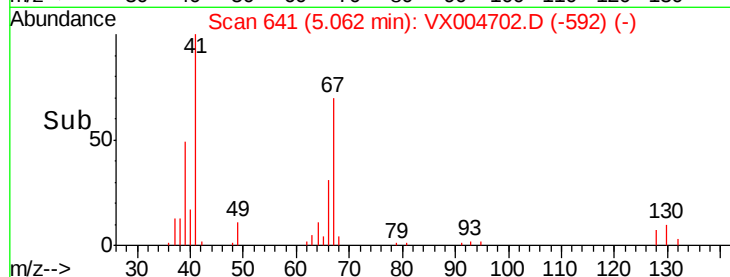
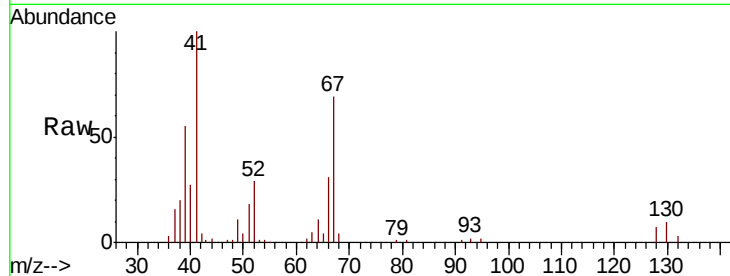
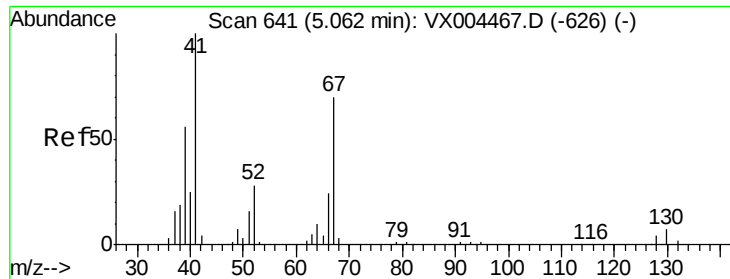
MMDadoda
9/20/2018 1:42:36 PM



#40
Benzene
Concen: 20.19 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.0	28.4





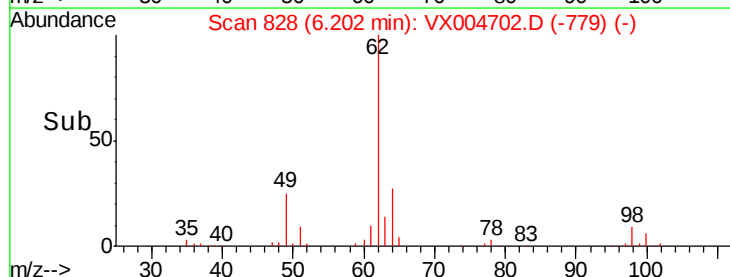
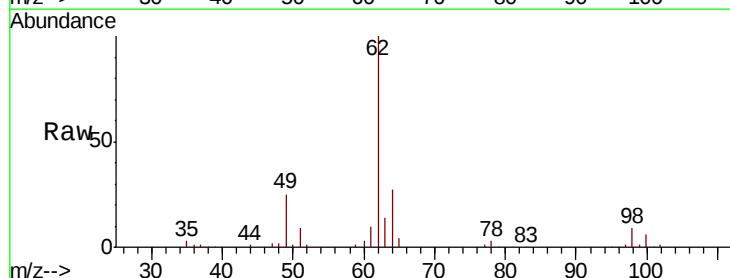
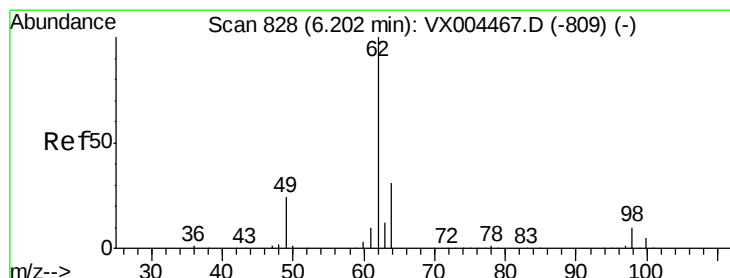
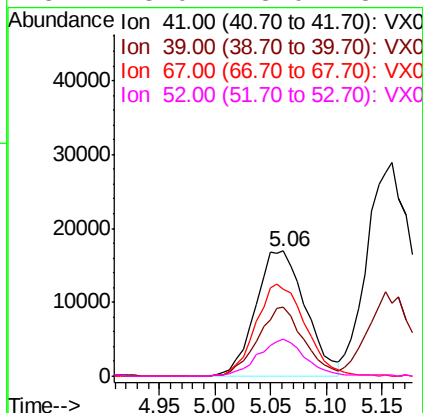
#41
Methacrylonitrile
Concen: 20.00 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.6	42.4	63.6	
67	73.1	59.2	88.8	
52	28.0	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

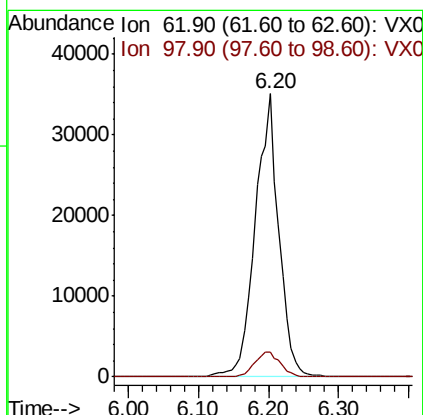
Manual Integrations
APPROVED

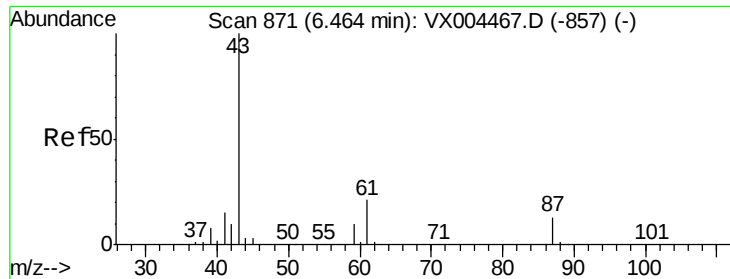
MMDadoda
9/20/2018 1:42:36 PM



#42
1,2-Dichloroethane
Concen: 19.71 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.6	





#43

Isopropyl Acetate

Concen: 20.37 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

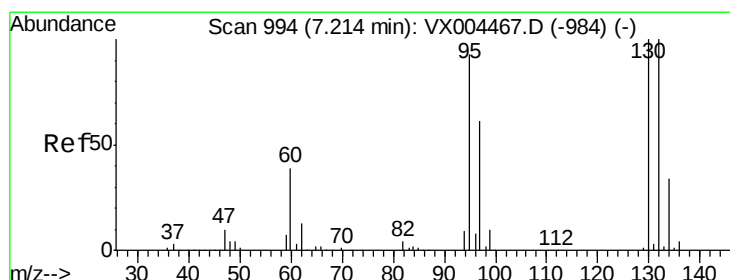
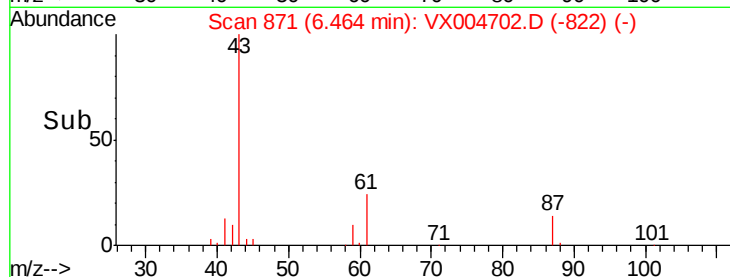
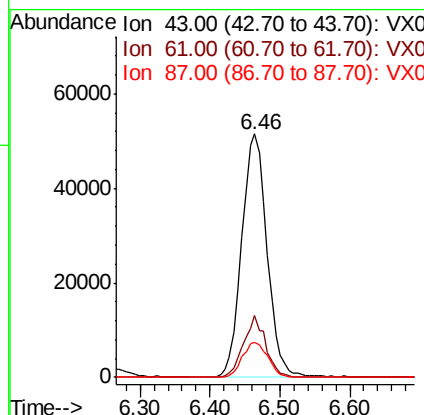
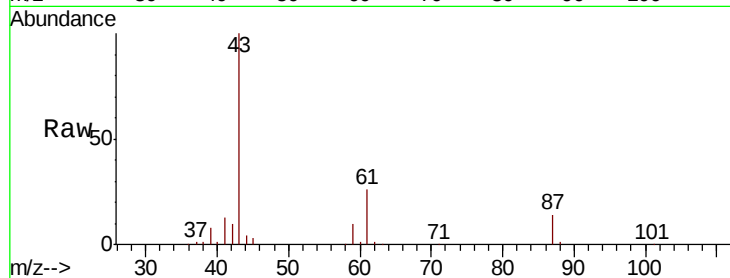
ClientSampleId :

VX0919WBSD01

Tot Ion:	43	Resp:	130141
Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.0	25.4
87	14.6	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 22.14 ug/l

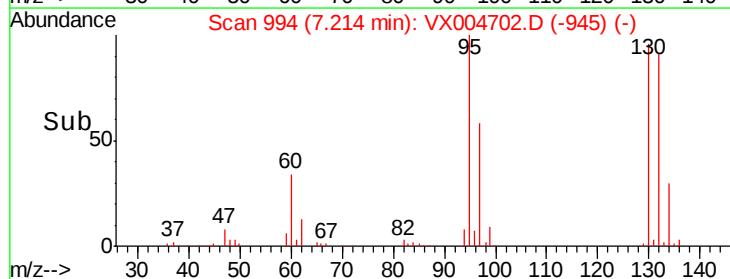
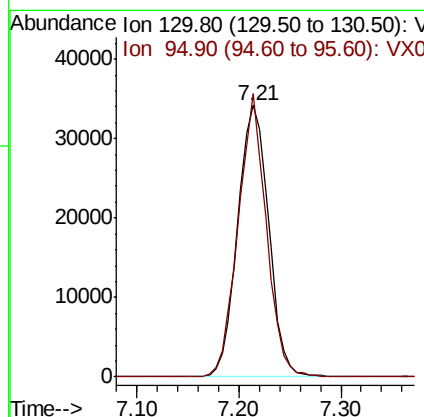
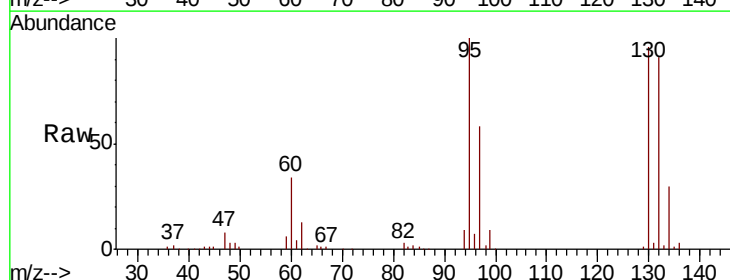
RT: 7.21 min Scan# 994

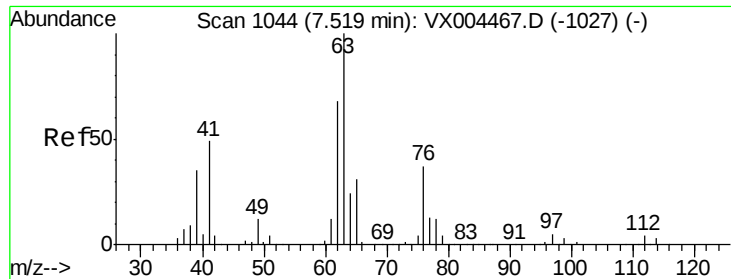
Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tgt Ion:	130	Resp:	72187
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	181.6





#45

1,2-Dichloropropane

Concen: 21.38 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampled :

VX0919WBSD01

Tot Ion: 63 Resp: 64549

Ion Ratio Lower Upper

63 100

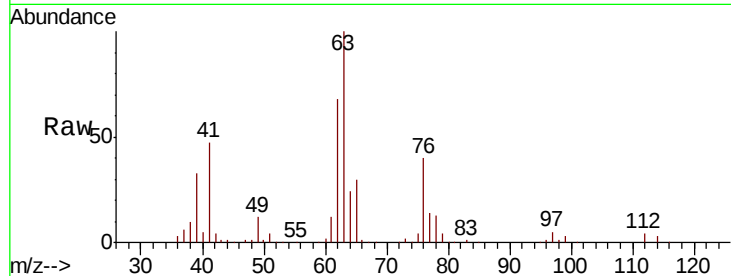
65 30.3 24.3 36.5

Manual Integrations

APPROVED

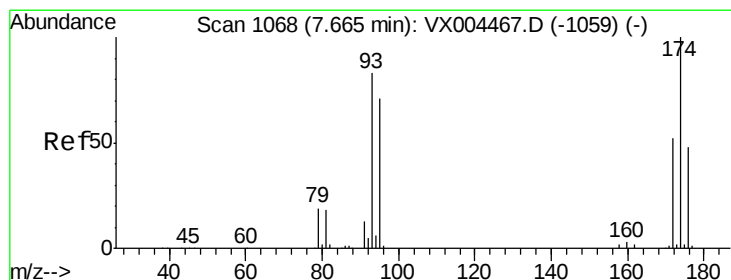
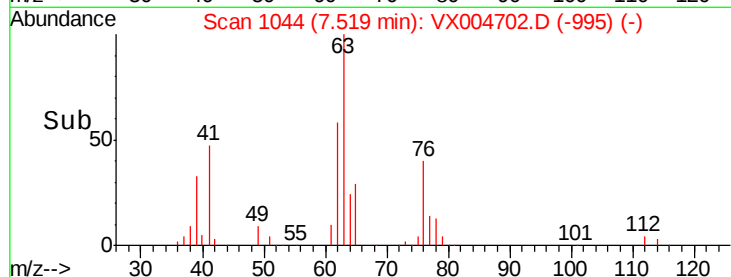
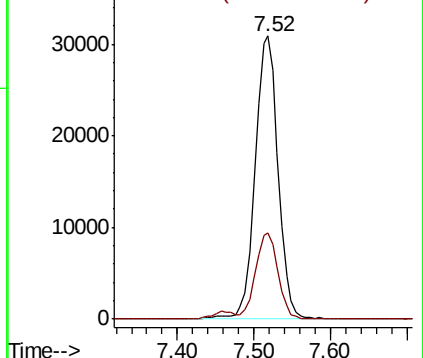
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.84 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

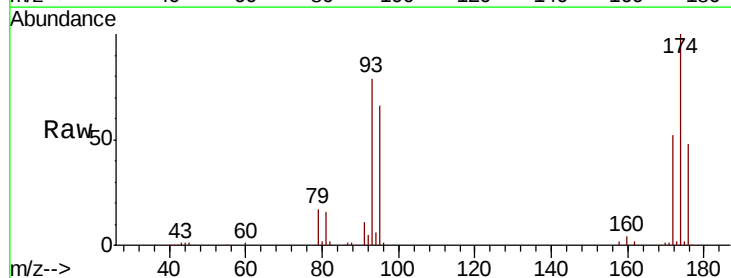
Tgt Ion: 93 Resp: 39760

Ion Ratio Lower Upper

93 100

95 82.3 65.5 98.3

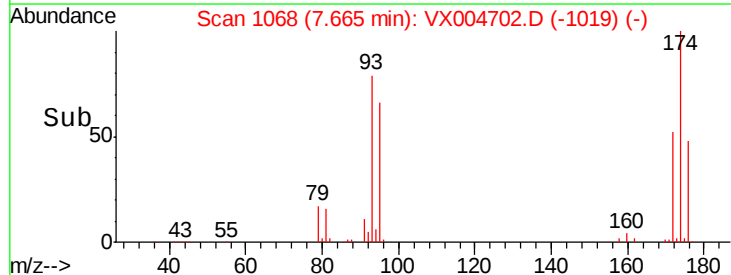
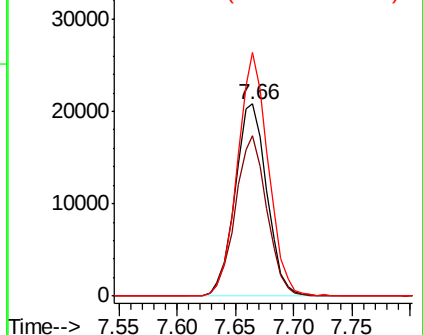
174 122.0 94.2 141.4

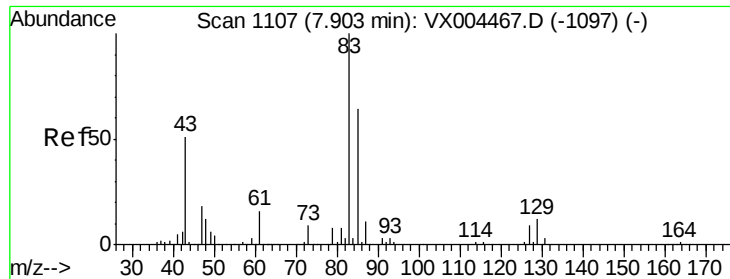


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.19 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

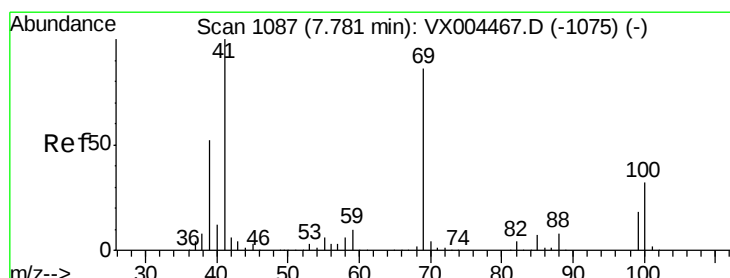
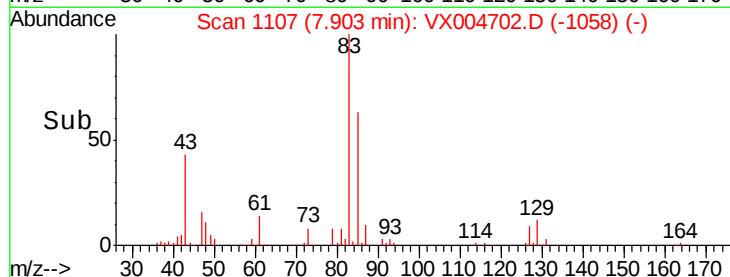
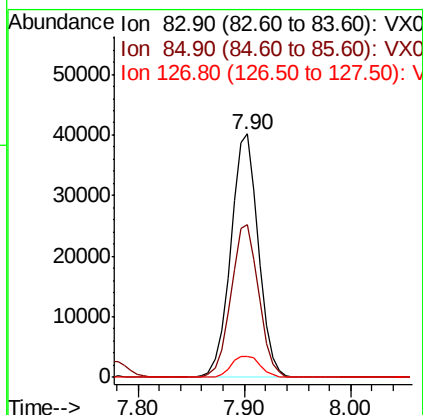
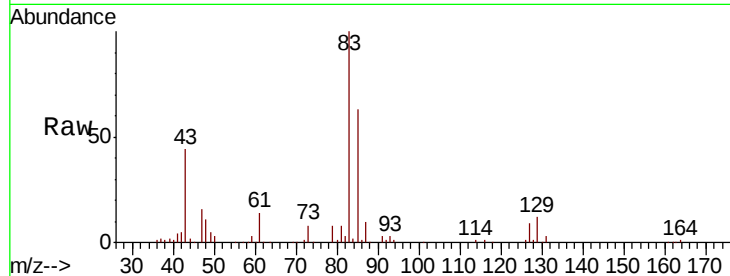
ClientSampleId :

VX0919WBSD01

Tot Ion:	83	Resp:	72821
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.48 ug/l

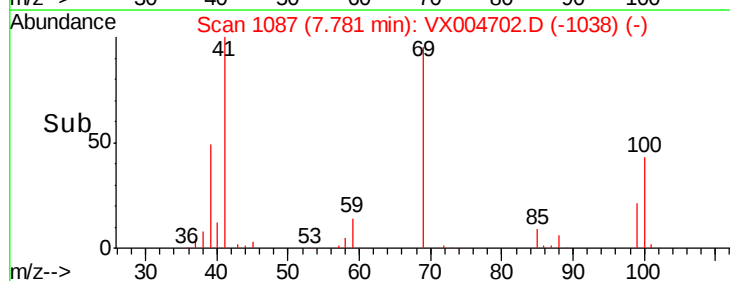
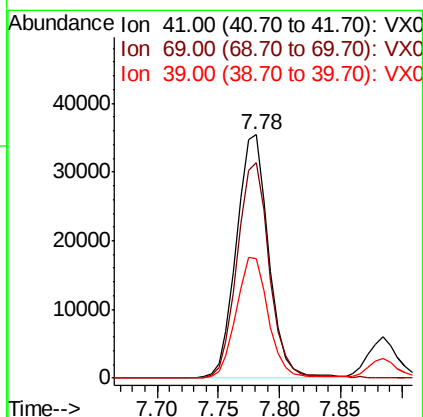
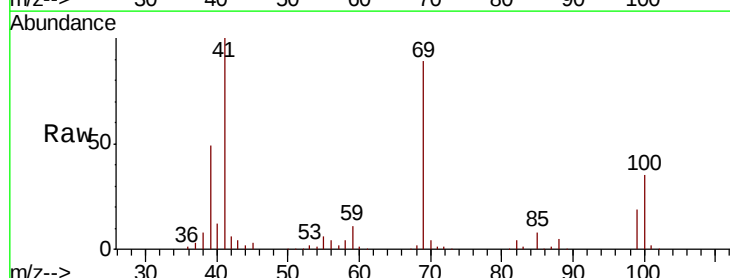
RT: 7.78 min Scan# 1087

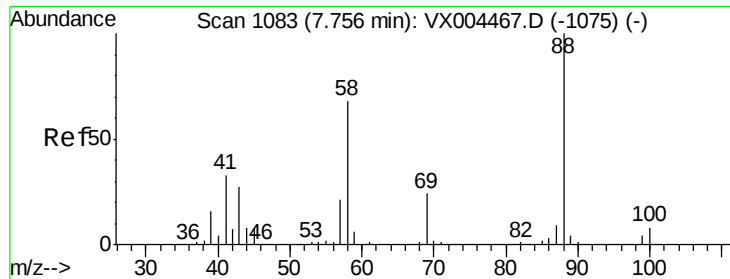
Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tgt Ion:	41	Resp:	64762
Ion	Ratio	Lower	Upper
41	100		
69	88.6	70.2	105.4
39	49.6	42.7	64.1





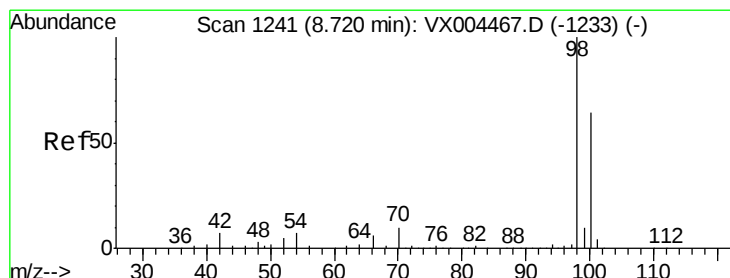
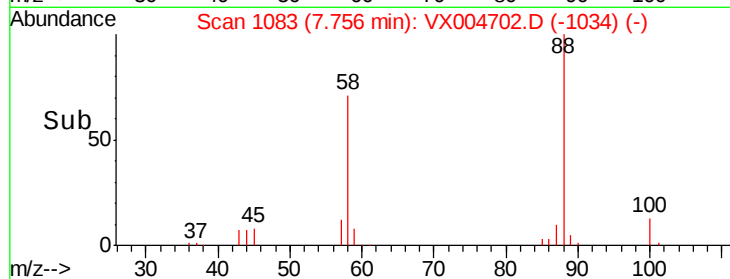
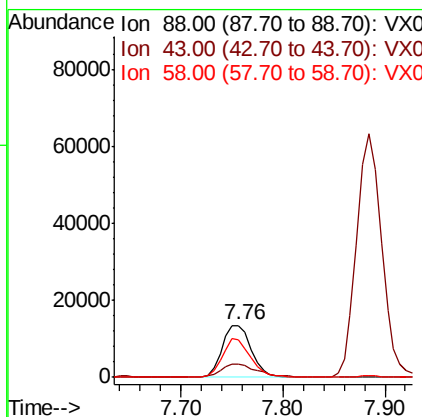
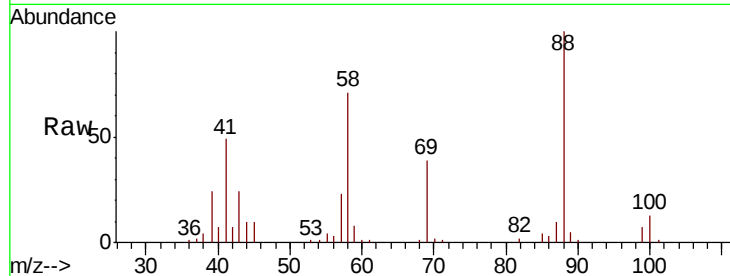
#49
1,4-Dioxane
Concen: 360.09 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	24.7	37.1
58	71.7	55.3	82.9

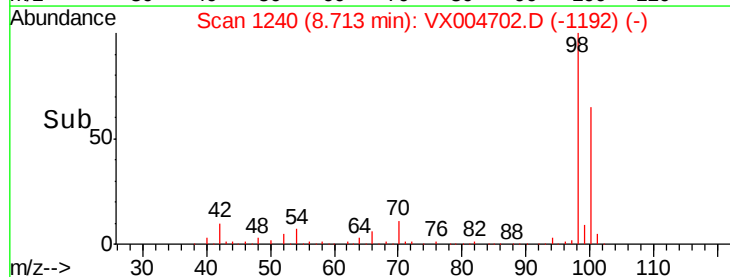
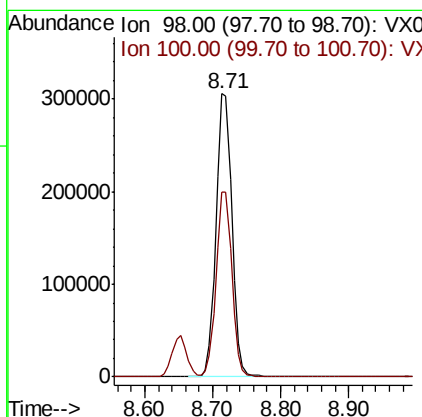
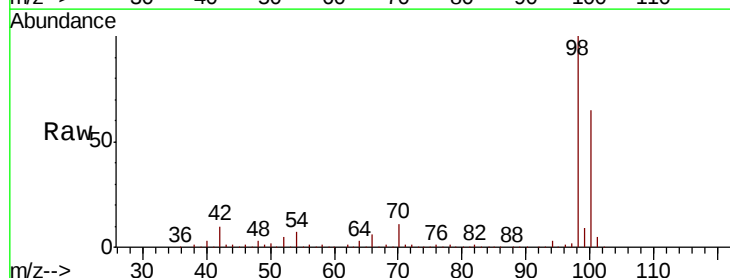
Manual Integrations
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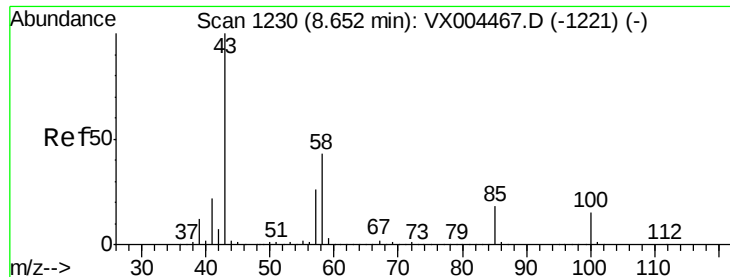
MMDadoda
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#50
Toluene-d8
Concen: 46.31 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.9	79.3





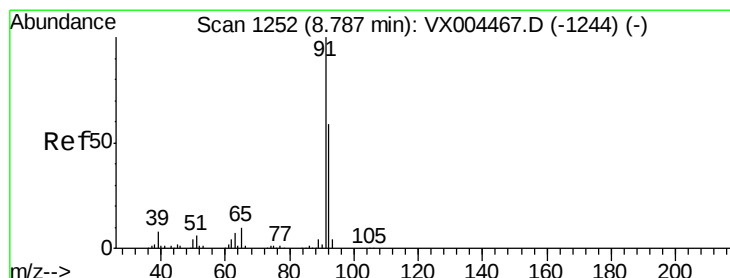
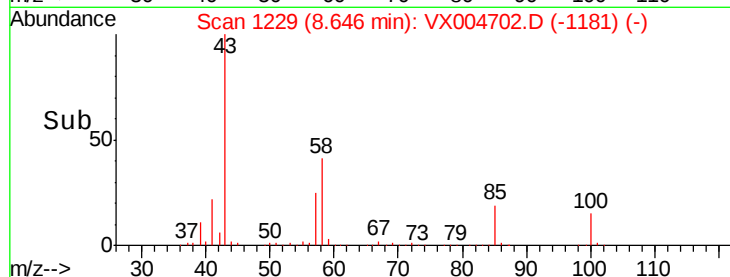
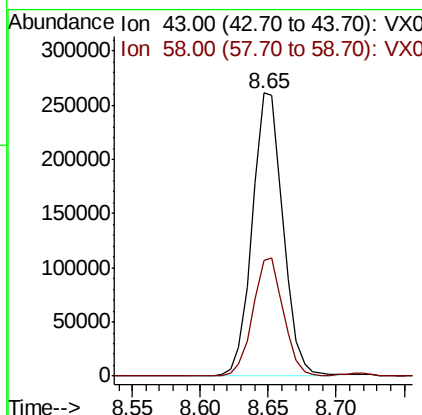
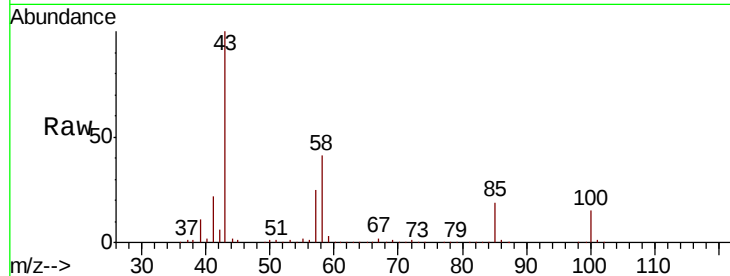
#51
4-Methyl-2-Pentanone
Concen: 92.21 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.2	33.1	49.7

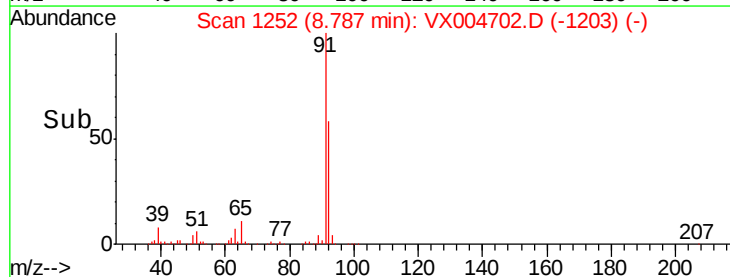
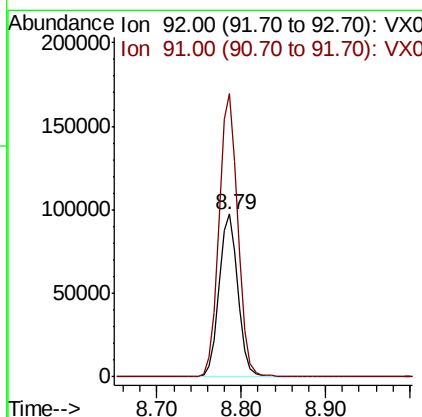
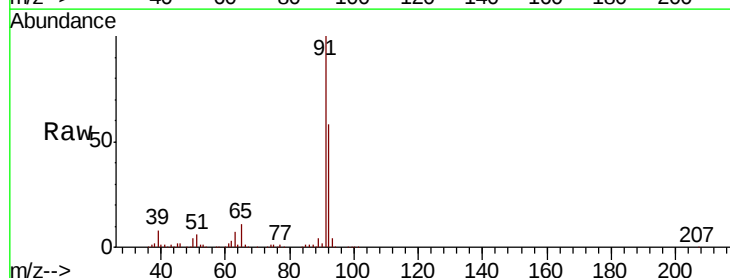
Manual Integrations
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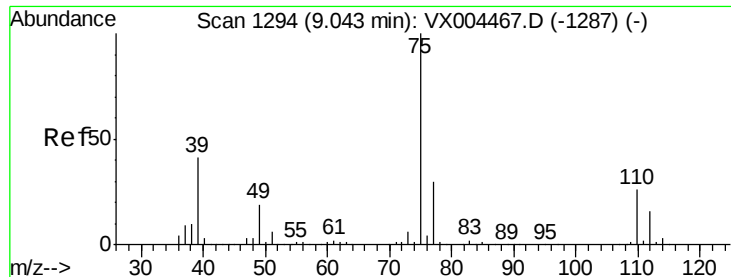
MMDadoda
9/20/2018 1:42:36 PM



#52
Toluene
Concen: 20.44 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	136.4	204.6





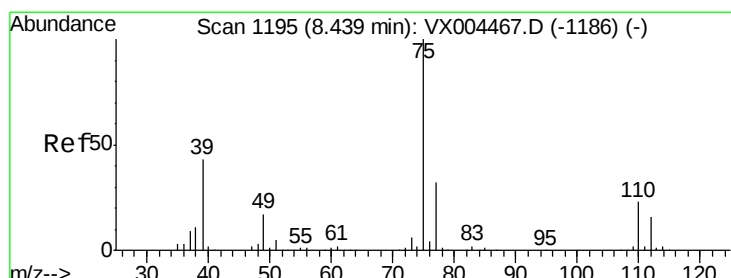
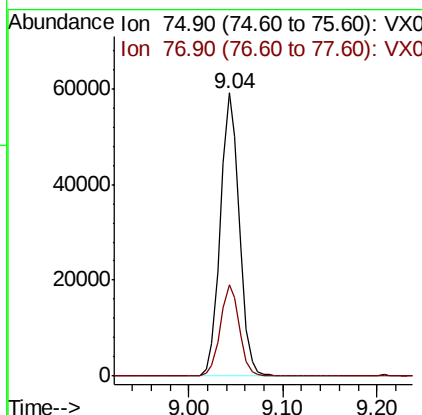
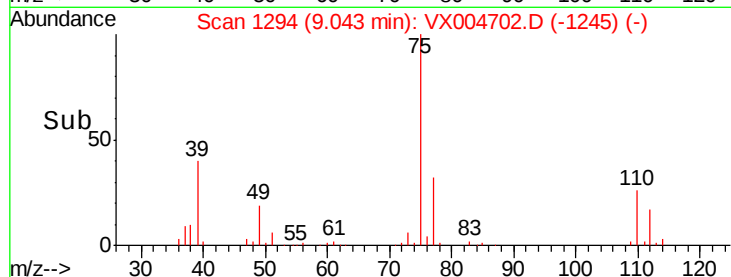
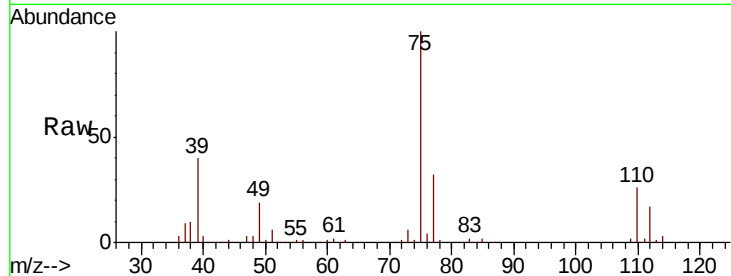
#53
t-1,3-Dichloropropene
Concen: 19.58 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion: 75 Resp: 82496
Ion Ratio Lower Upper
75 100
77 32.4 24.6 37.0

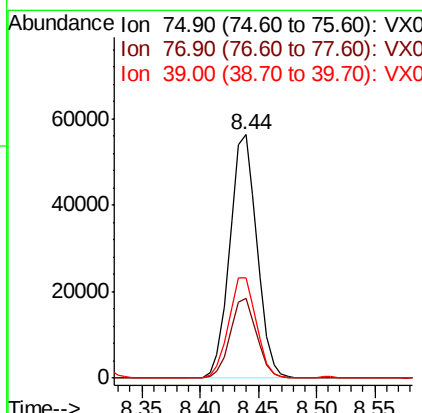
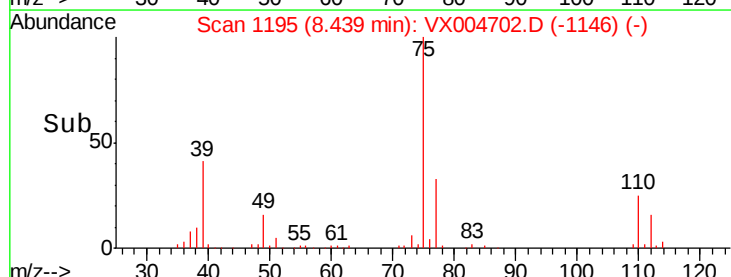
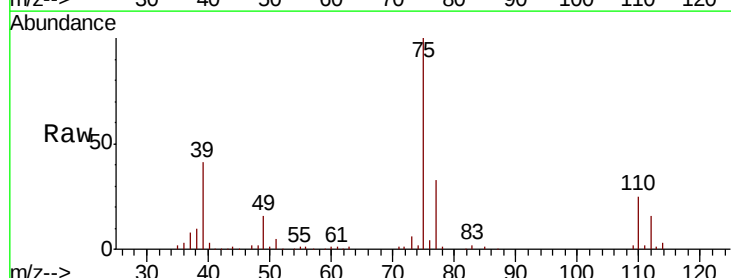
Manual Integrations
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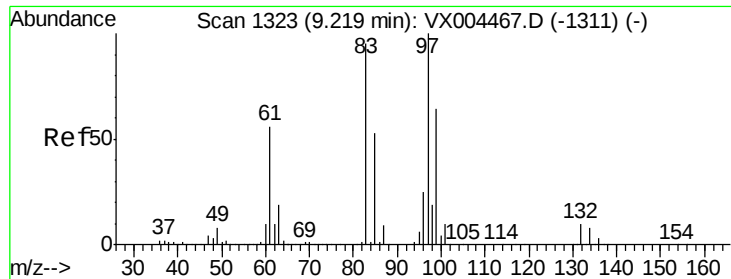
MMDadoda
9/20/2018 1:42:36 PM



#54
cis-1,3-Dichloropropene
Concen: 21.33 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion: 75 Resp: 91622
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.2
39 41.2 36.4 54.6





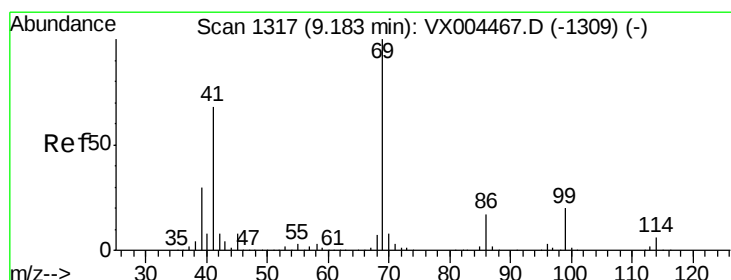
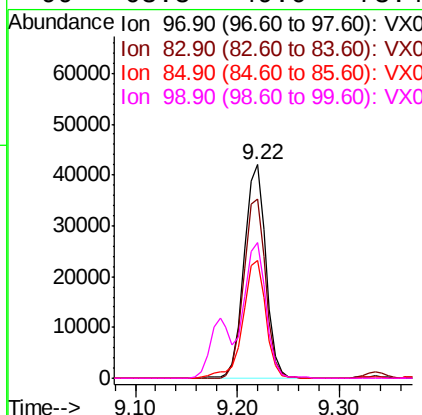
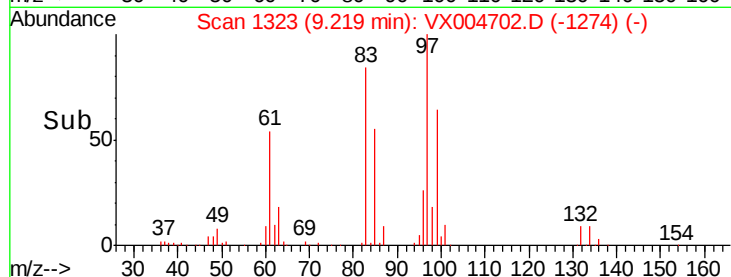
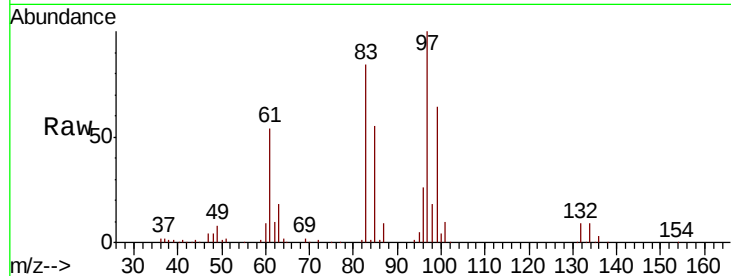
#55
 1,1,2-Trichloroethane
 Concen: 19.50 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		62077		
83	84.1	66.4	99.6		
85	54.9	43.3	64.9		
99	63.8	49.0	73.4		

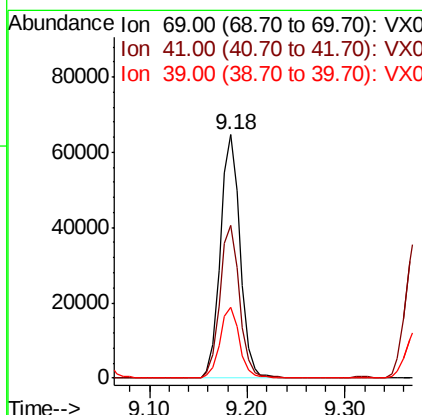
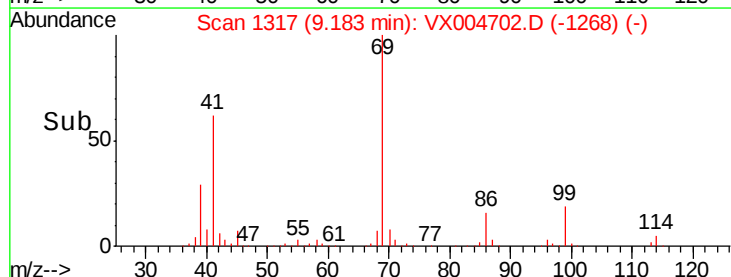
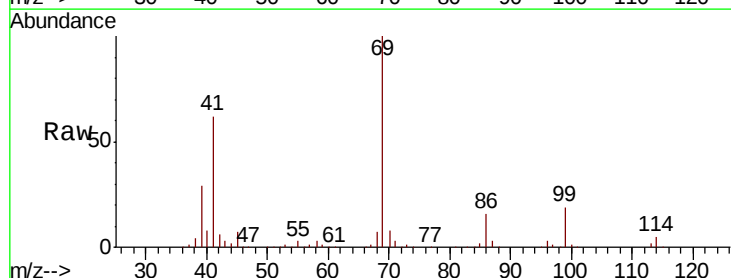
Manual Integrations
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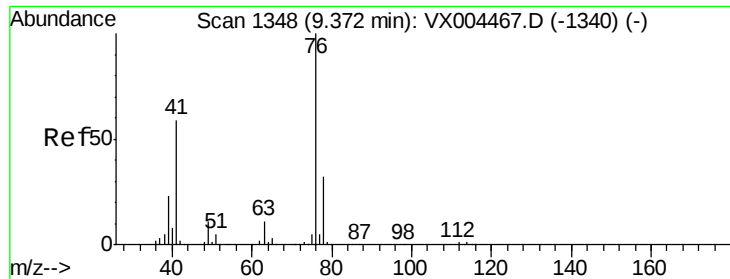
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 9/20/2018 1:42:36 PM



#56
 Ethyl methacrylate
 Concen: 20.08 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		90409		
41	63.1	51.0	76.4		
39	29.6	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 19.65 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

Tot Ion: 76 Resp: 101643

Ion Ratio Lower Upper

76 100

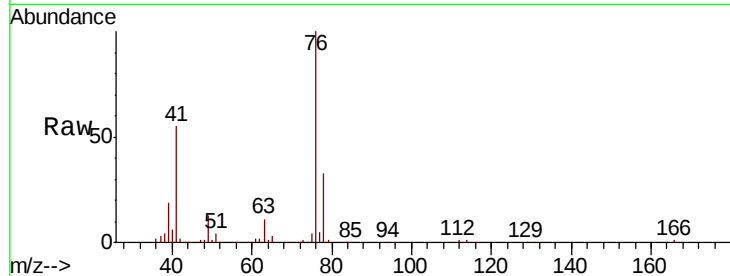
78 32.6 25.5 38.3

Manual Integrations

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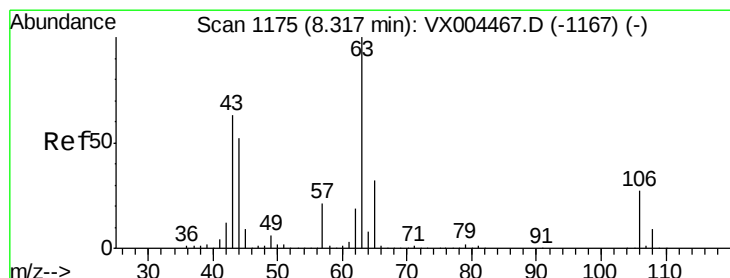
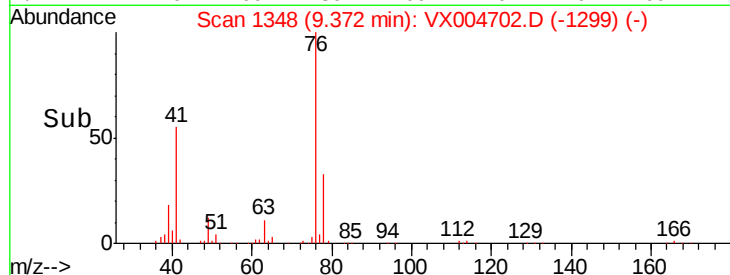
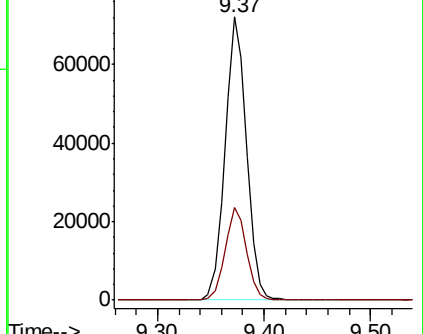
MMDadoda

9/20/2018 1:42:36 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.22 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004702.D

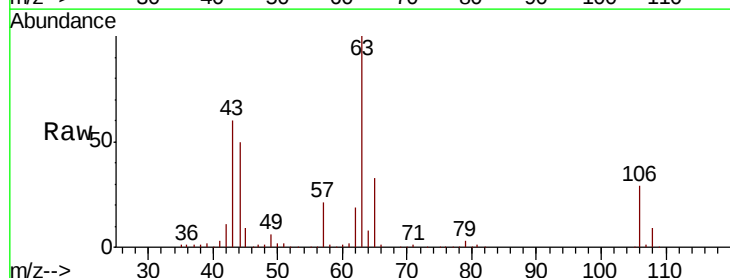
Acq: 19 Sep 2018 13:39

Tgt Ion: 63 Resp: 214909

Ion Ratio Lower Upper

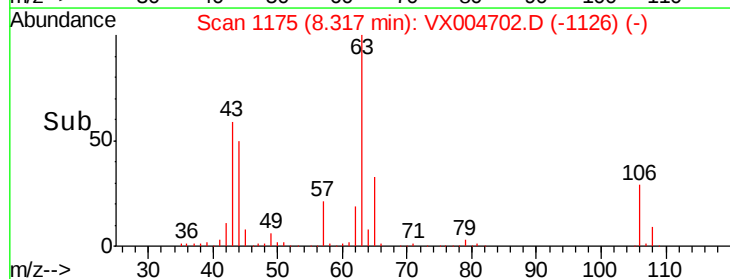
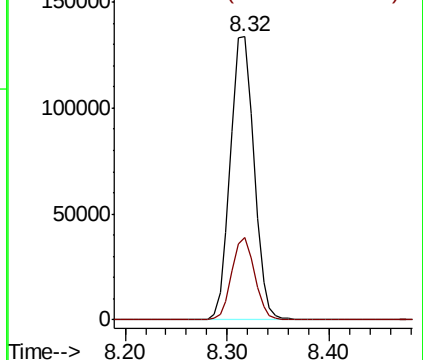
63 100

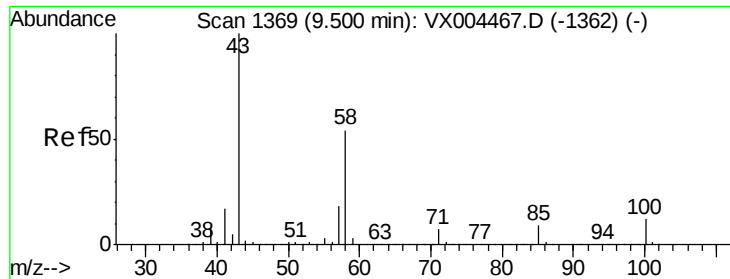
106 28.1 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





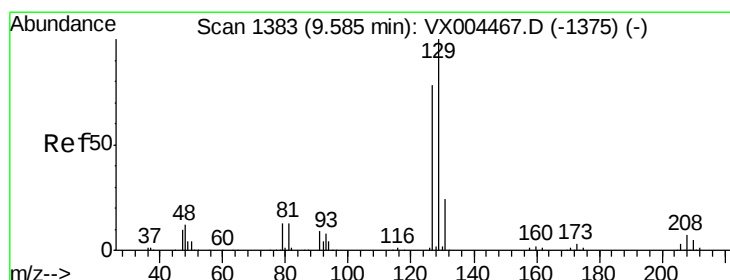
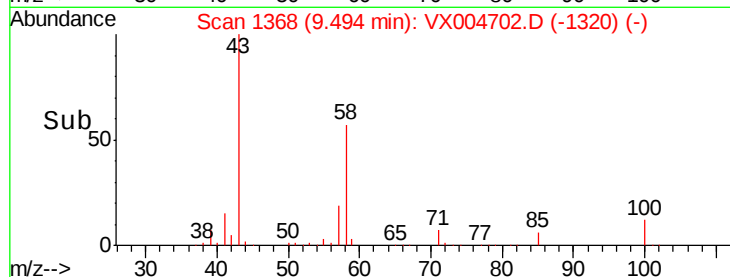
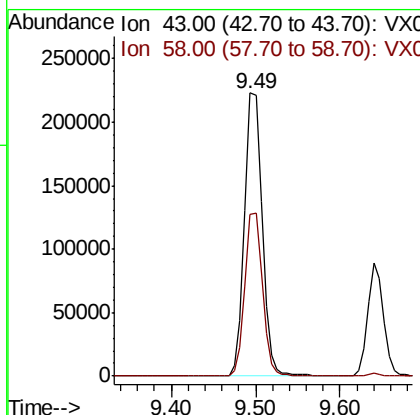
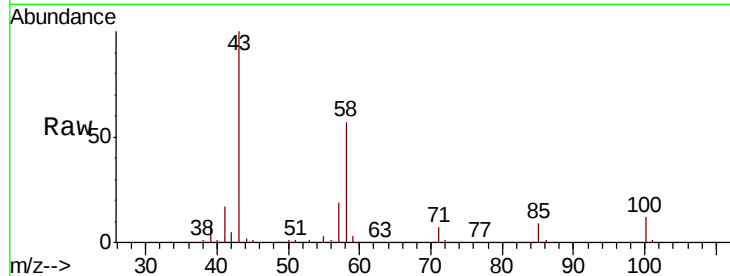
#59
2-Hexanone
Concen: 90.34 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion: 43 Resp: 312415
Ion Ratio Lower Upper
43 100
58 57.2 29.0 87.0

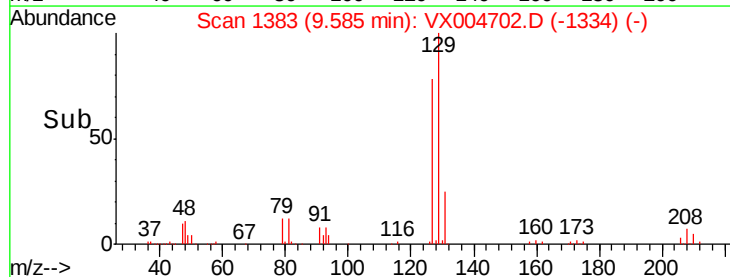
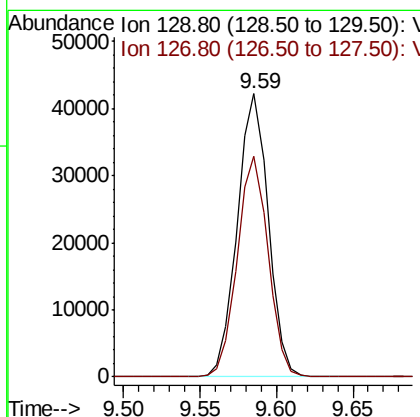
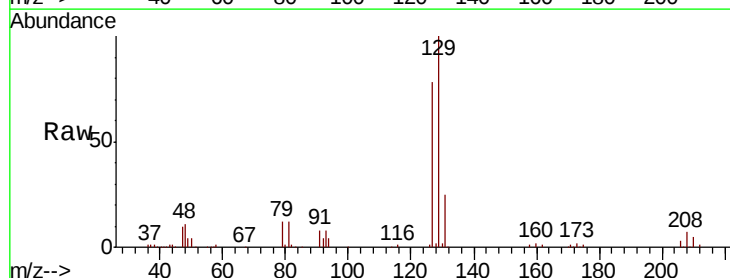
Manual Integrations
APPROVED

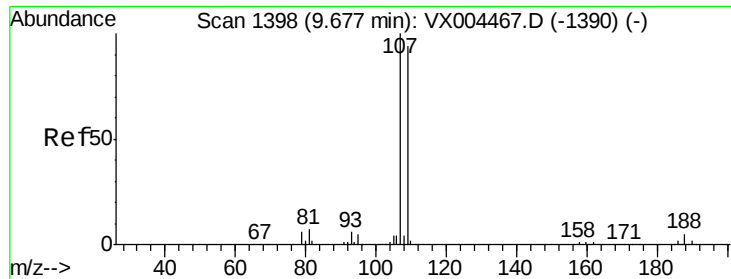
MMDadoda
9/20/2018 1:42:36 PM



#60
Dibromochloromethane
Concen: 19.80 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion: 129 Resp: 59336
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





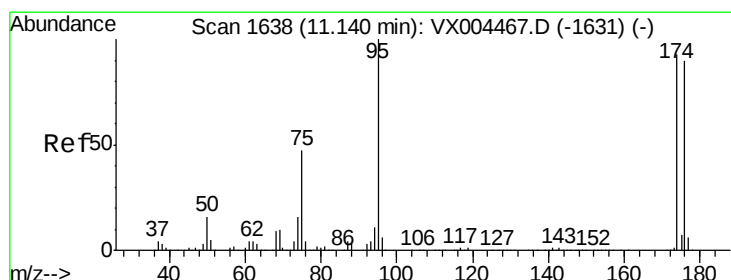
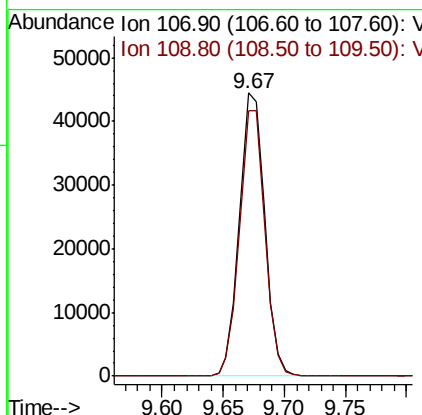
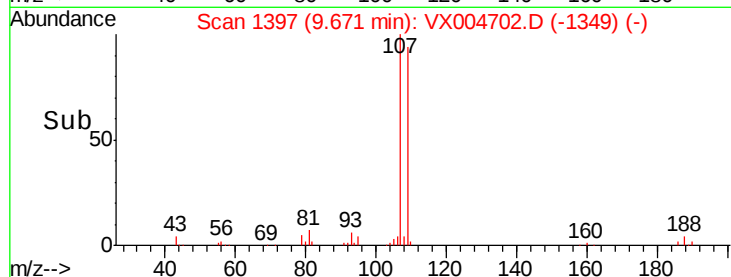
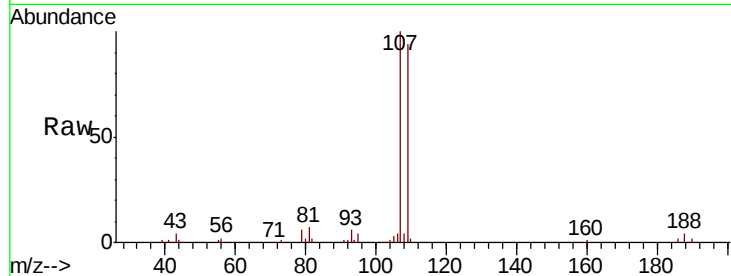
#61
 1,2-Dibromoethane
 Concen: 20.97 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Tot Ion:107 Resp: 63770
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.0 114.0

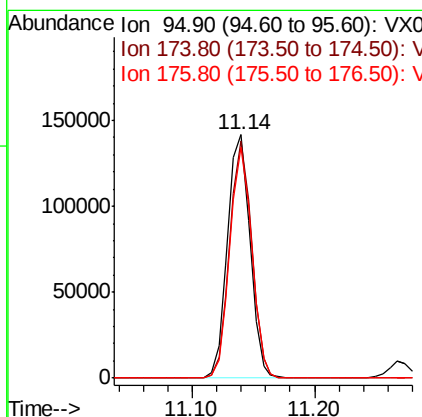
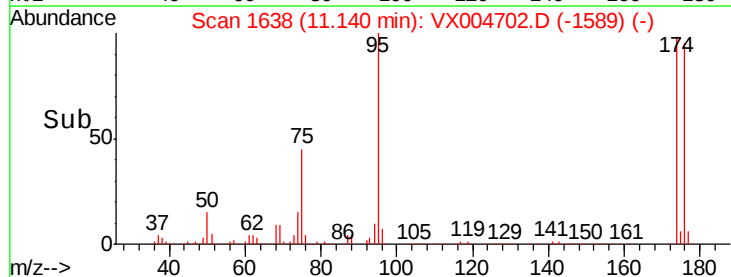
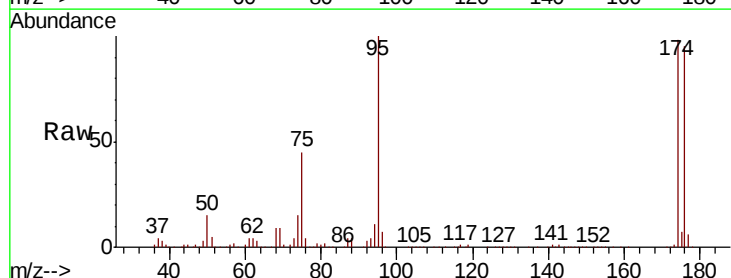
Manual Integrations
 APPROVED

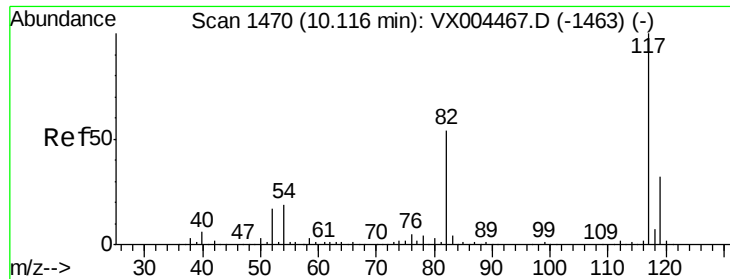
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 47.29 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion: 95 Resp: 180438
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 185.2
 176 92.2 0.0 178.6





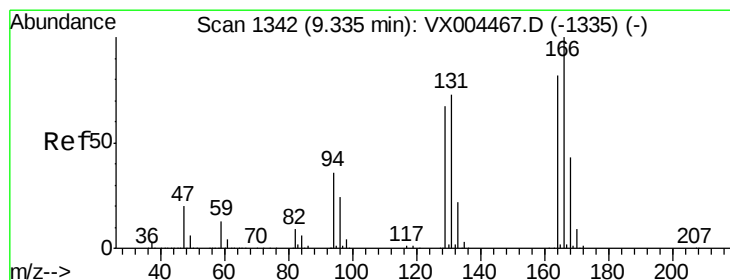
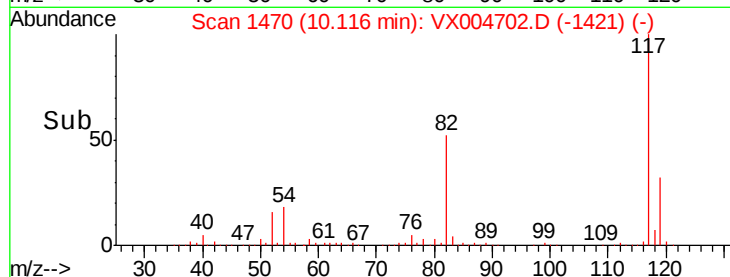
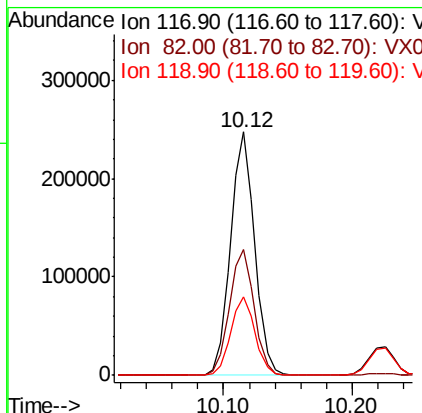
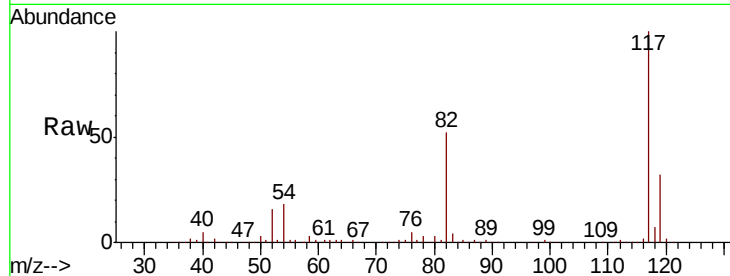
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	47.8	71.6
119	32.4	29.3	43.9

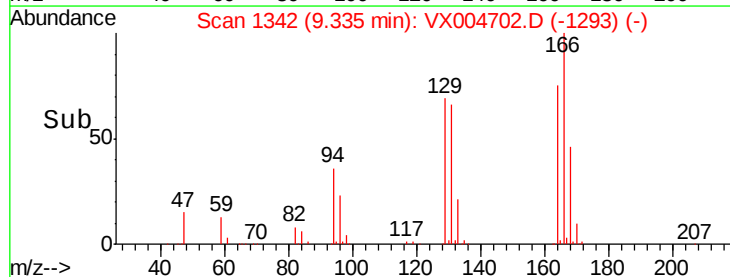
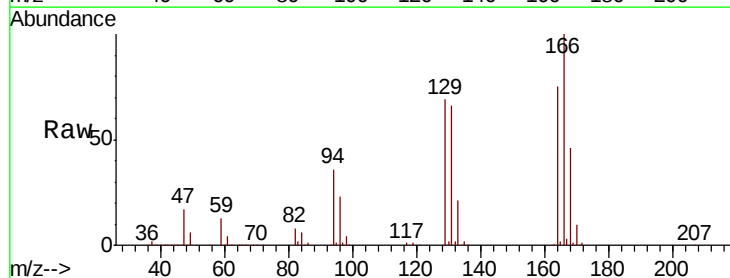
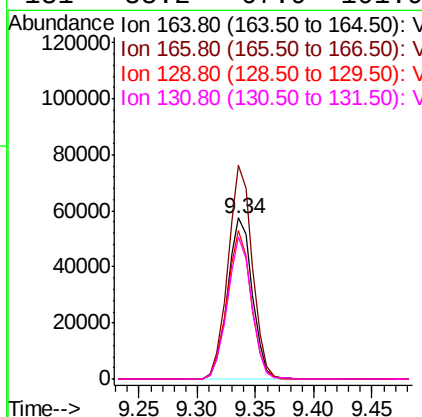
Manual Integrations
APPROVED

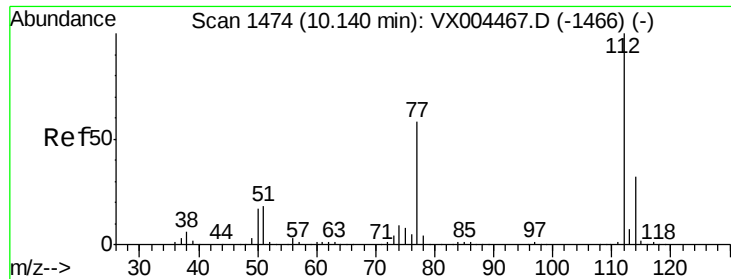
MMDadoda
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#64
Tetrachloroethene
Concen: 20.77 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	102.8	154.2
129	92.0	69.4	104.0
131	88.2	67.9	101.9





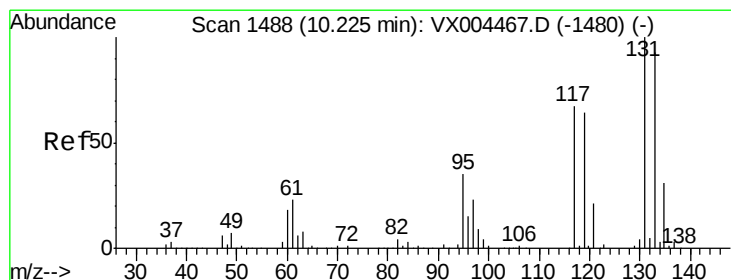
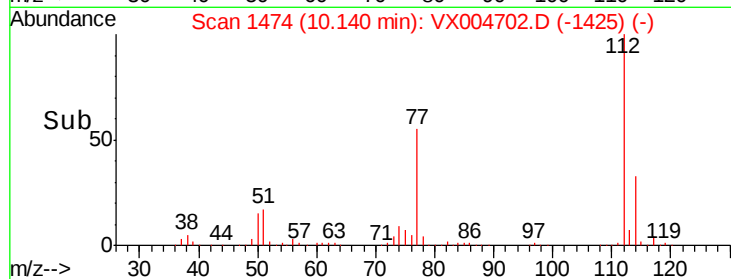
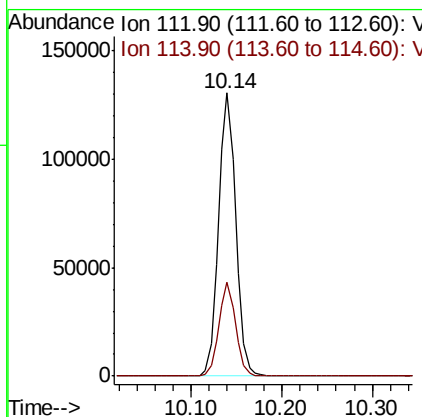
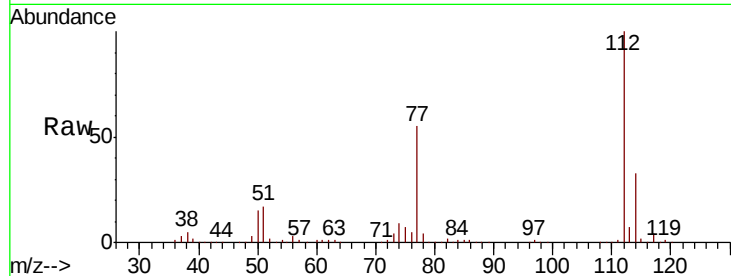
#65
Chlorobenzene
Concen: 21.52 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampled :
VX0919WBSD01

Tot Ion:112 Resp: 173871
Ion Ratio Lower Upper
112 100
114 33.0 27.8 41.8

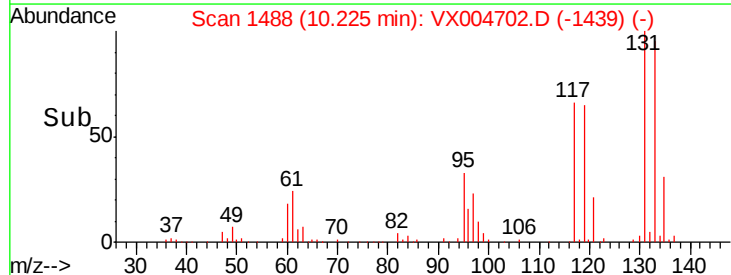
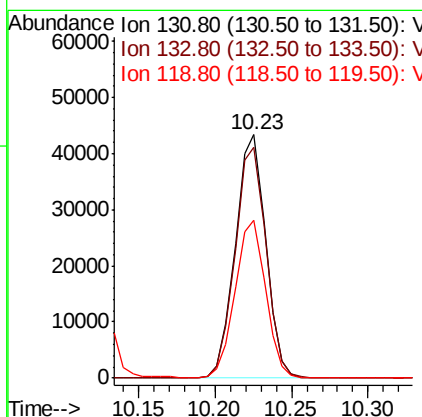
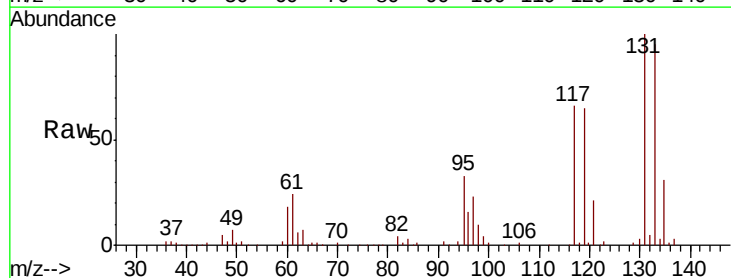
Manual Integrations
APPROVED

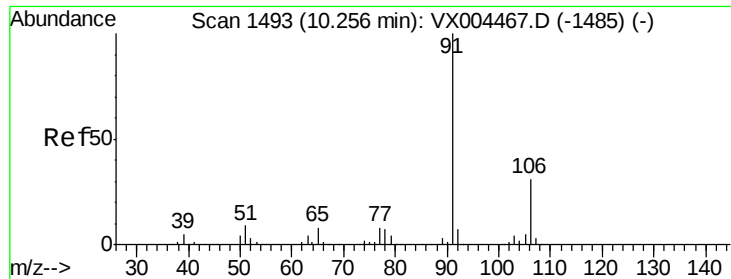
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.46 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion:131 Resp: 59804
Ion Ratio Lower Upper
131 100
133 96.7 48.1 144.4
119 65.5 32.9 98.6





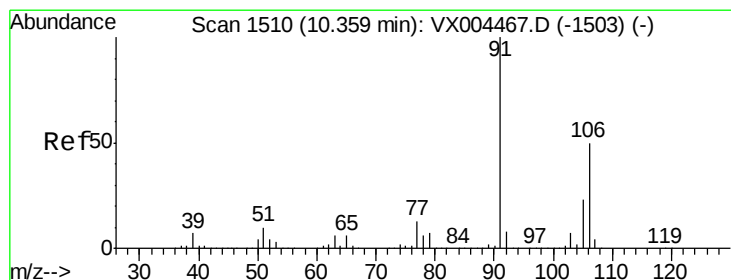
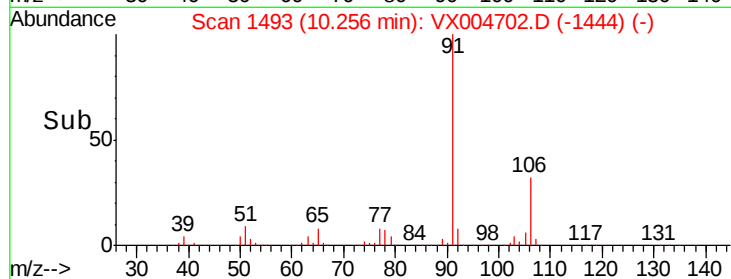
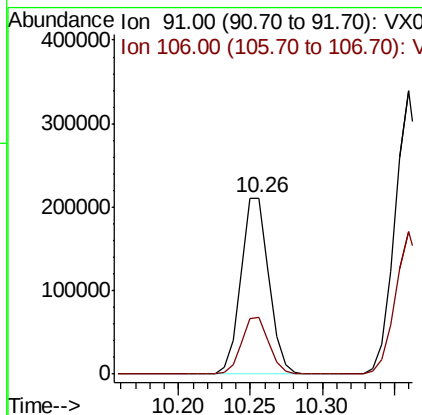
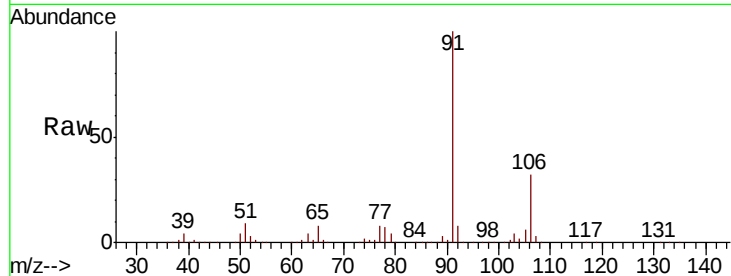
#67
Ethyl Benzene
Concen: 21.57 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion: 91 Resp: 283411
Ion Ratio Lower Upper
91 100
106 32.0 25.9 38.9

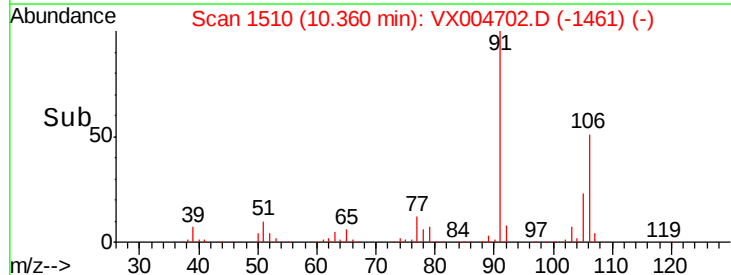
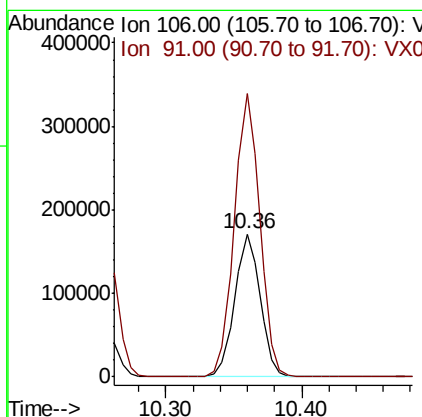
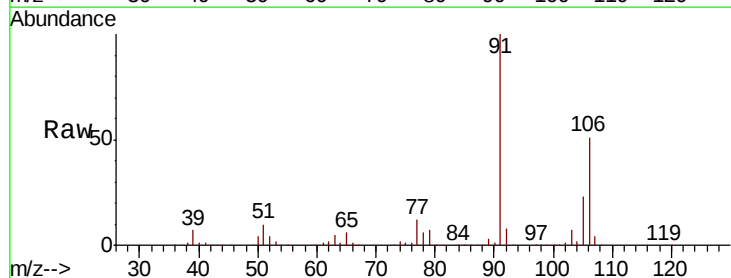
Manual Integrations
APPROVED

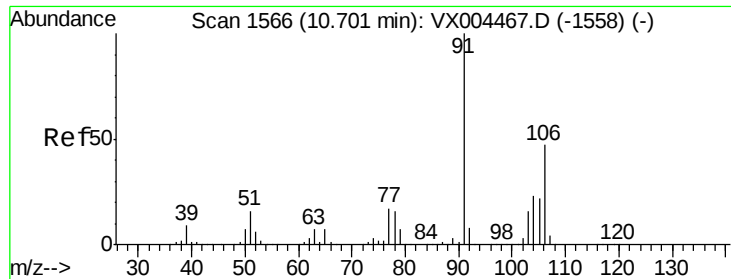
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#68
m/p-Xylenes
Concen: 43.98 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion: 106 Resp: 222573
Ion Ratio Lower Upper
106 100
91 199.1 157.1 235.7





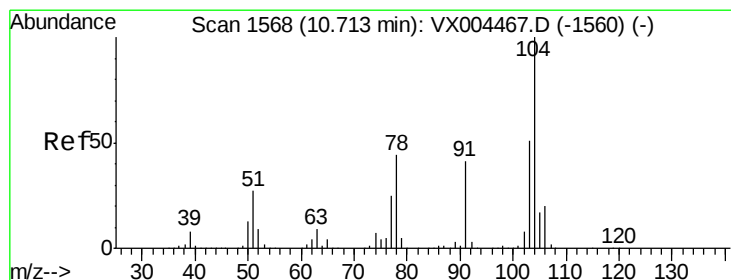
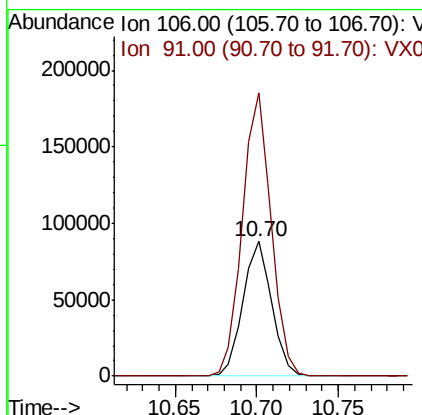
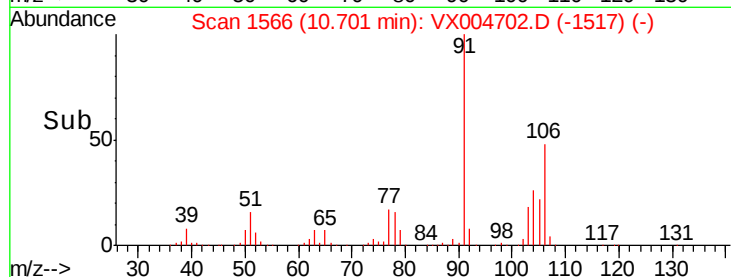
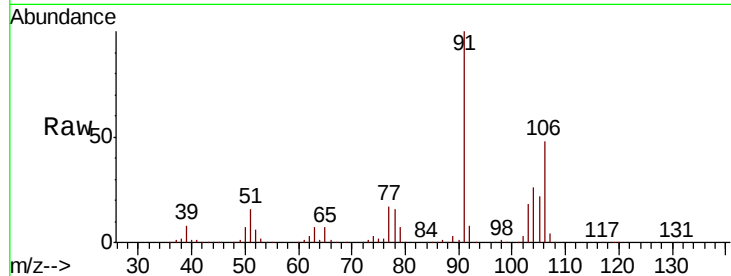
#69
o-Xylene
Concen: 22.29 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion:106 Resp: 108436
Ion Ratio Lower Upper
106 100
91 210.7 105.1 315.1

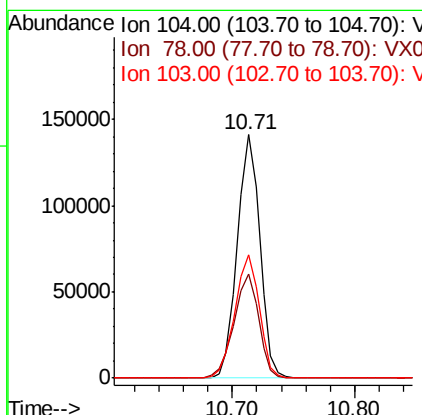
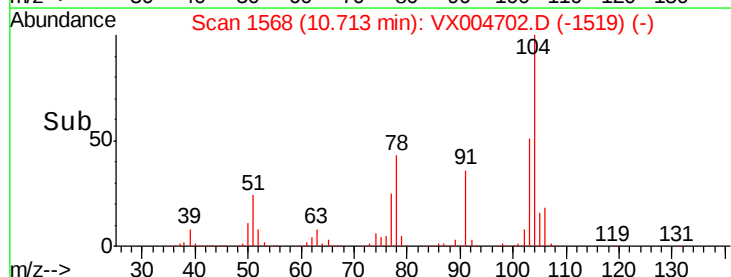
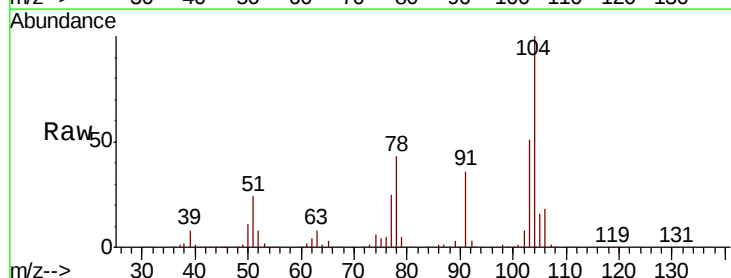
Manual Integrations
APPROVED

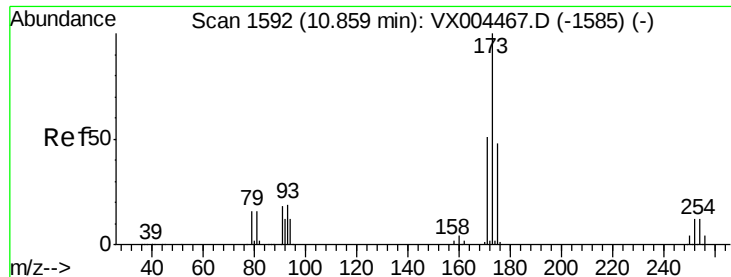
MMDadoda
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#70
Styrene
Concen: 22.37 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion:104 Resp: 180281
Ion Ratio Lower Upper
104 100
78 46.9 37.4 56.0
103 55.0 43.8 65.6





#71

Bromoform

Concen: 20.31 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

Tot Ion:173 Resp: 46470

Ion Ratio Lower Upper

173 100

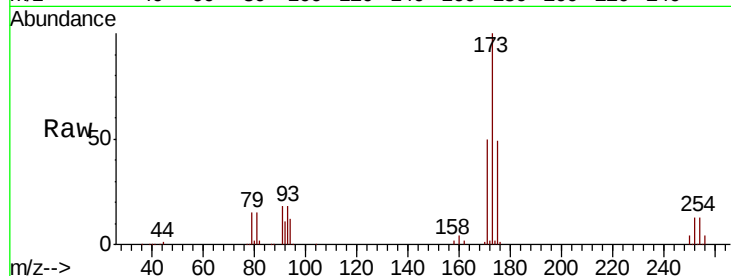
175 49.0 24.1 72.3

254 0.2 0.2 0.2

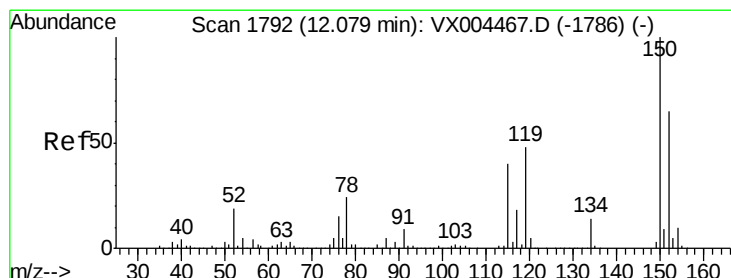
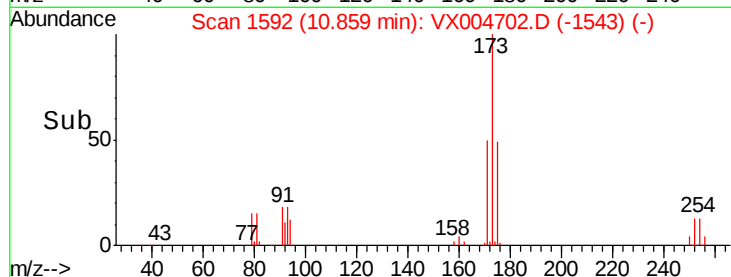
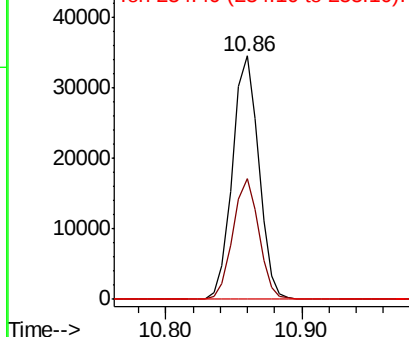
Manual Integrations
APPROVED

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

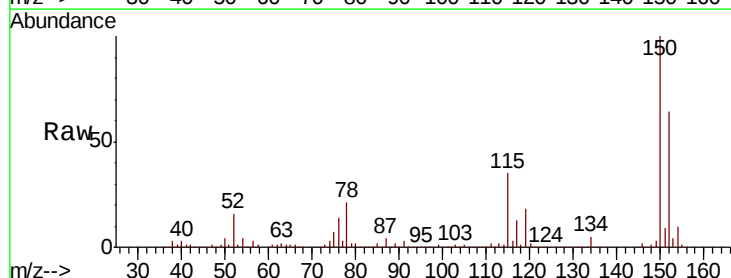
Tgt Ion:152 Resp: 194247

Ion Ratio Lower Upper

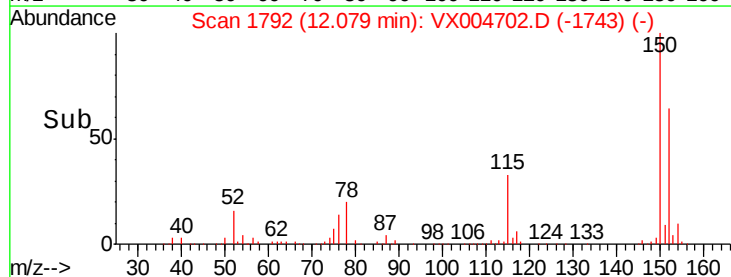
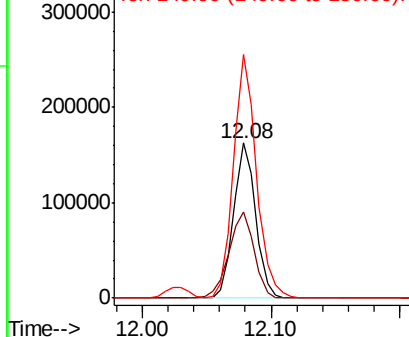
152 100

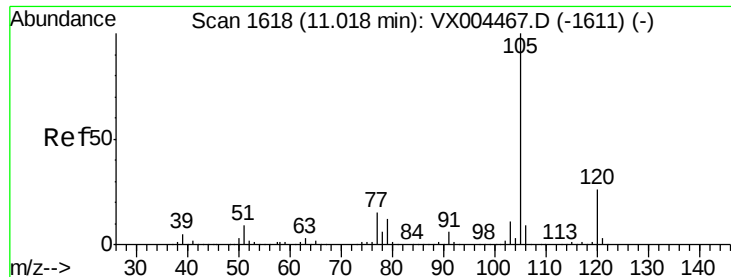
115 63.4 39.0 117.0

150 164.1 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.24 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

Tot Ion:105 Resp: 297364

Ion Ratio Lower Upper

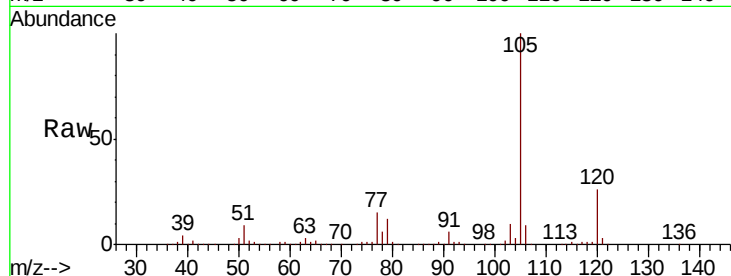
105 100

120 26.5 13.5 40.4

Manual Integrations
APPROVED

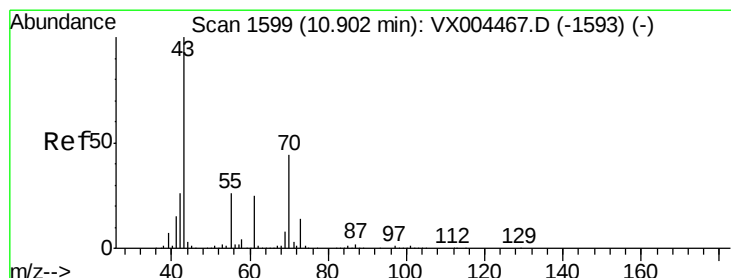
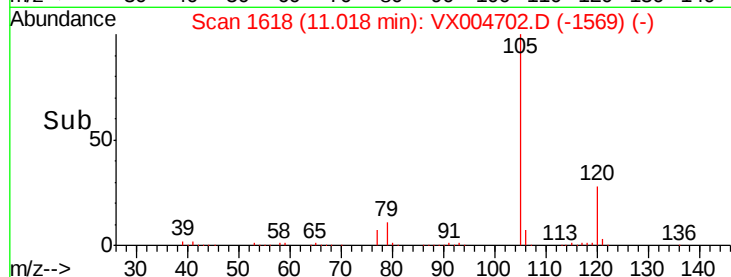
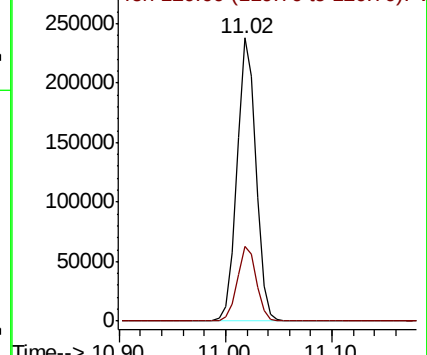
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.19 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tgt Ion: 43 Resp: 114085

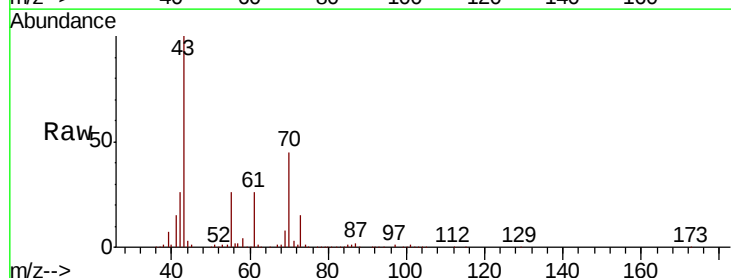
Ion Ratio Lower Upper

43 100

70 44.5 37.4 56.0

55 26.1 21.8 32.8

61 25.3 20.6 30.8

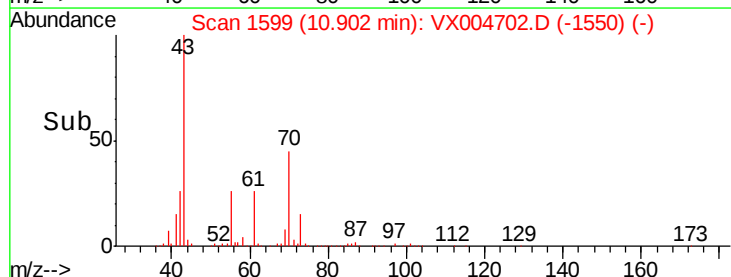
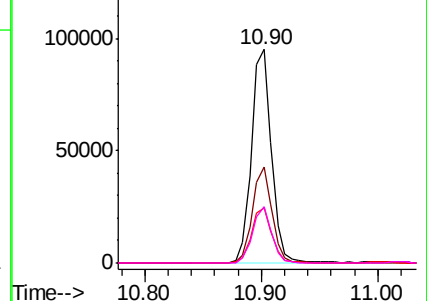


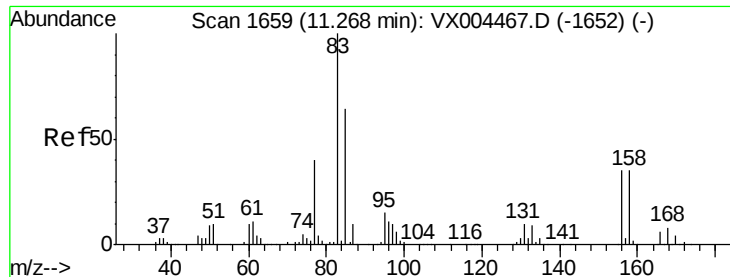
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.75 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

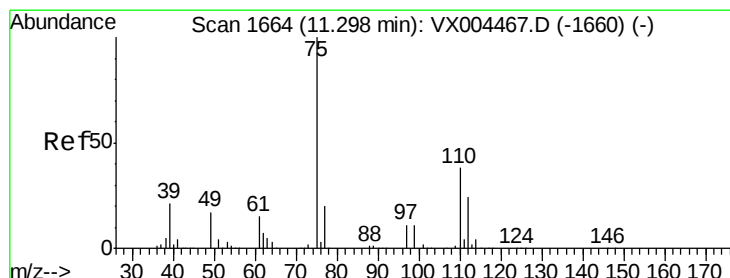
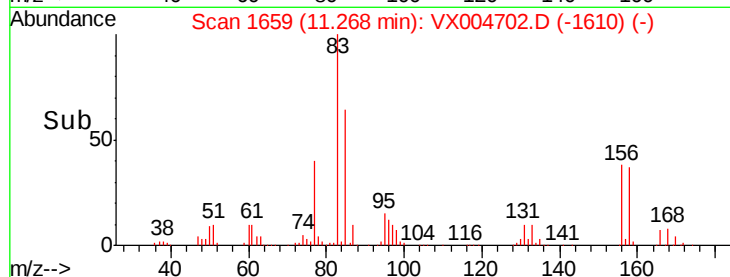
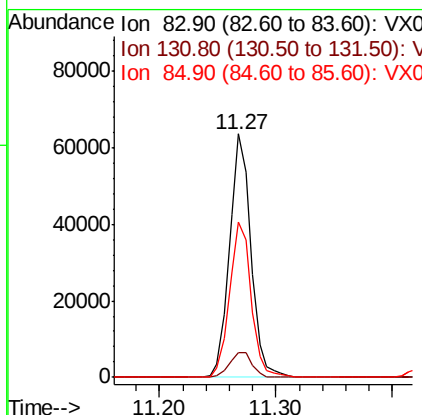
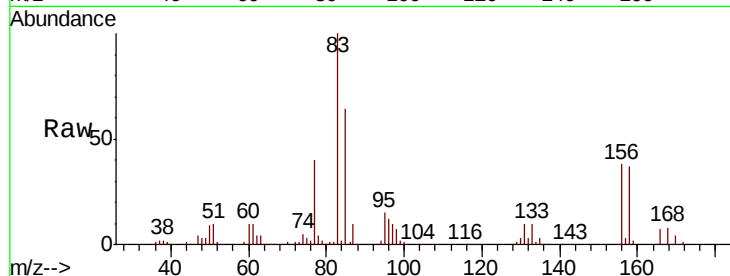
ClientSampleId :

VX0919WBSD01

Tot Ion:	83	Resp:	81486
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.2	15.6
85	64.7	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.22 ug/l m

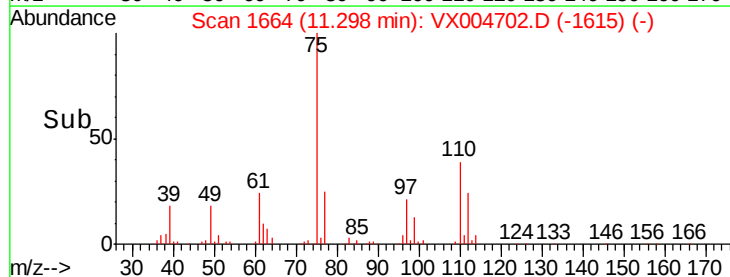
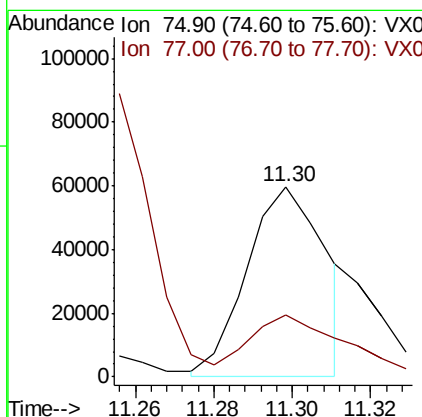
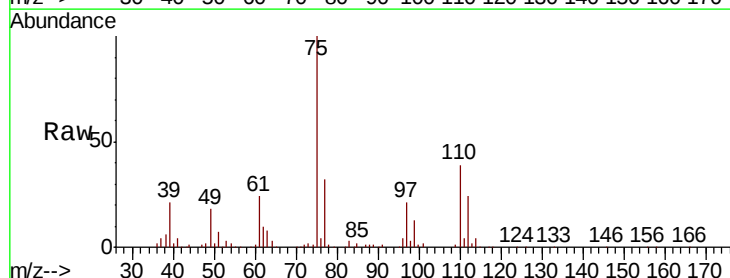
RT: 11.30 min Scan# 1664

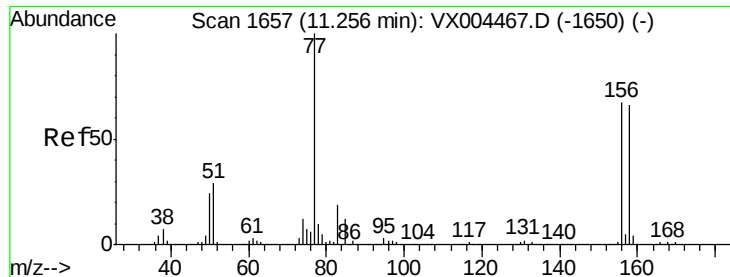
Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tgt Ion:	75	Resp:	82921
Ion Ratio	Lower	Upper	
75	100		
77	40.0	20.2	60.6





#77

Bromobenzene

Concen: 22.44 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

Tot Ion:156 Resp: 79350

Ion Ratio Lower Upper

156 100

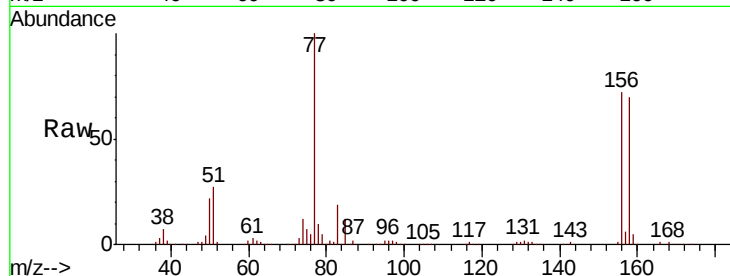
77 141.9 71.5 214.3

158 97.5 48.9 146.8

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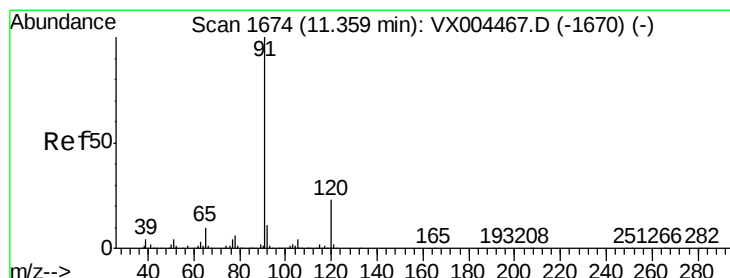
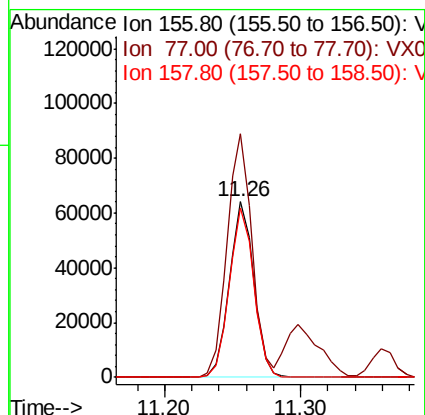
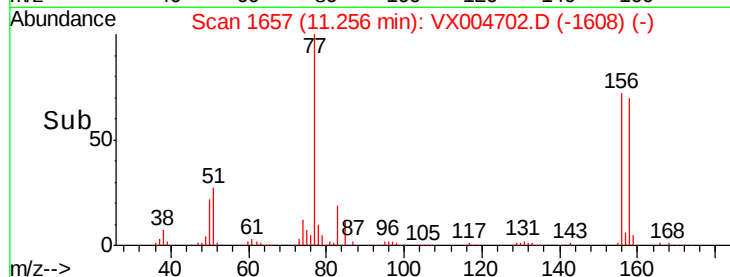
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.44 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004702.D

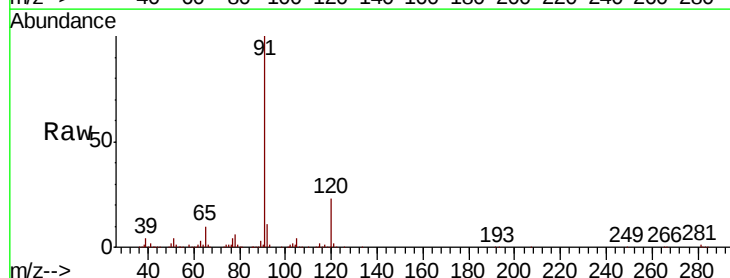
Acq: 19 Sep 2018 13:39

Tgt Ion: 91 Resp: 330125

Ion Ratio Lower Upper

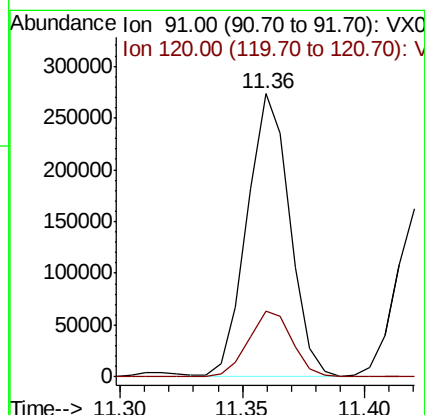
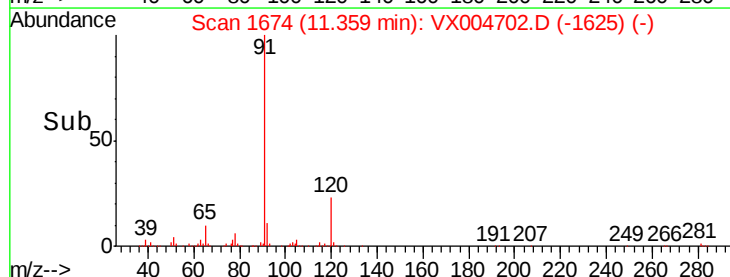
91 100

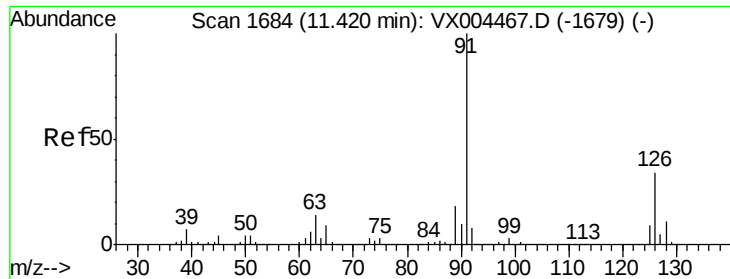
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.11 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

Tot Ion: 91 Resp: 197272

Ion Ratio Lower Upper

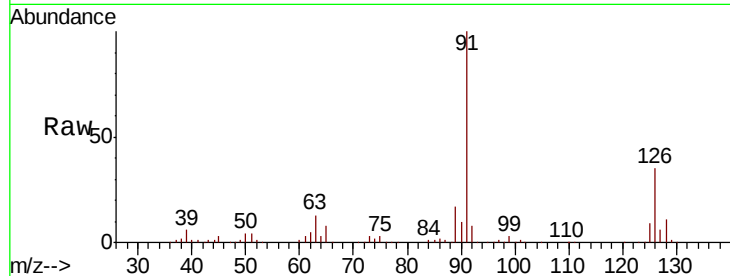
91 100

126 36.0 17.9 53.7

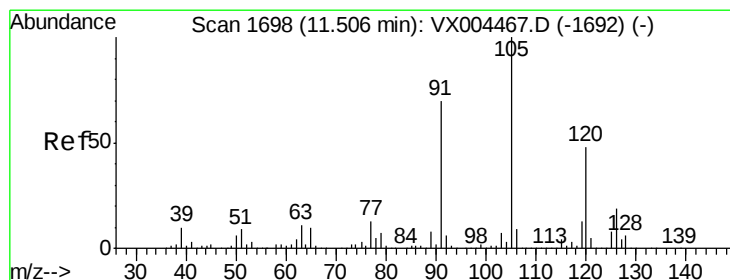
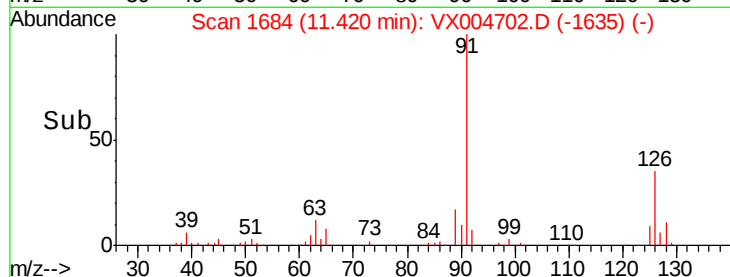
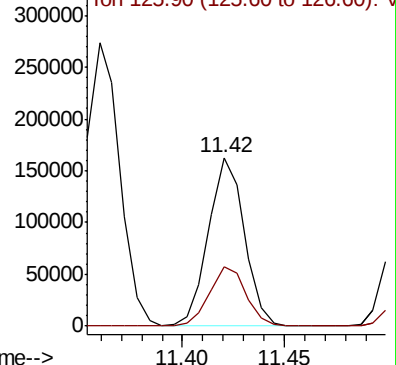
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.73 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004702.D

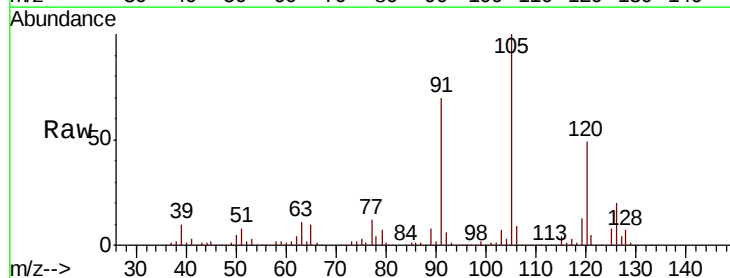
Acq: 19 Sep 2018 13:39

Tgt Ion:105 Resp: 244416

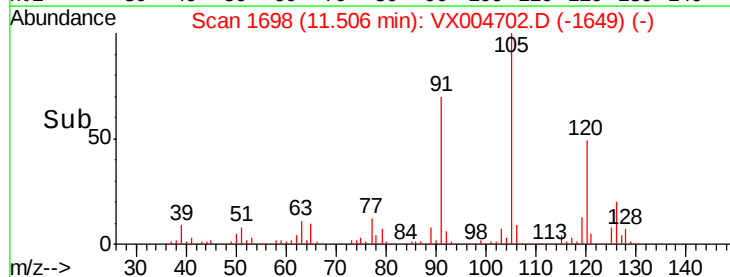
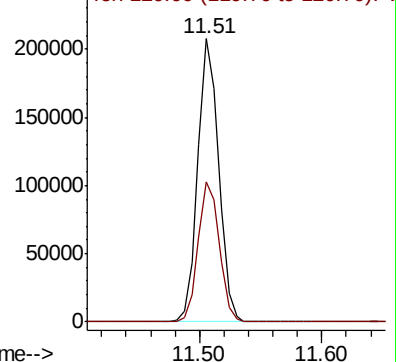
Ion Ratio Lower Upper

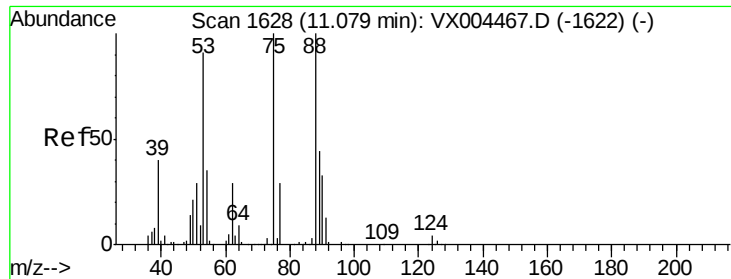
105 100

120 50.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.44 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

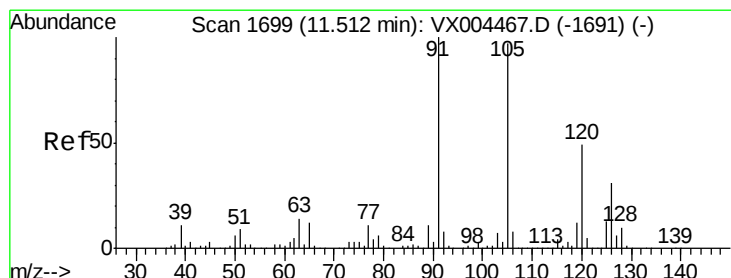
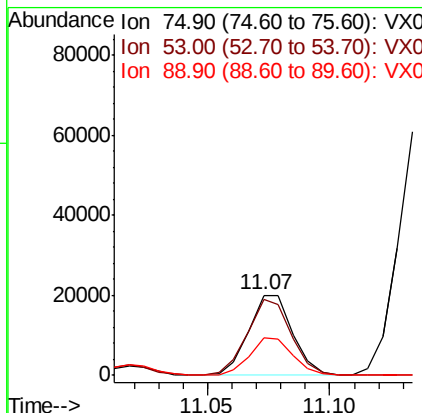
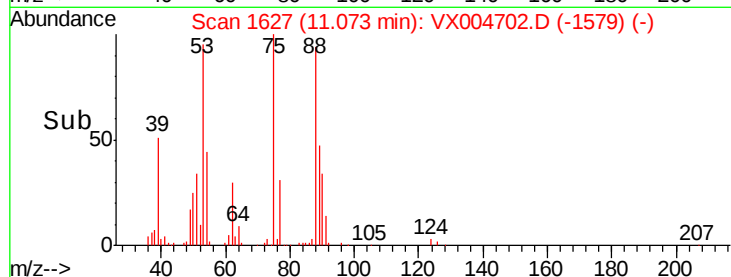
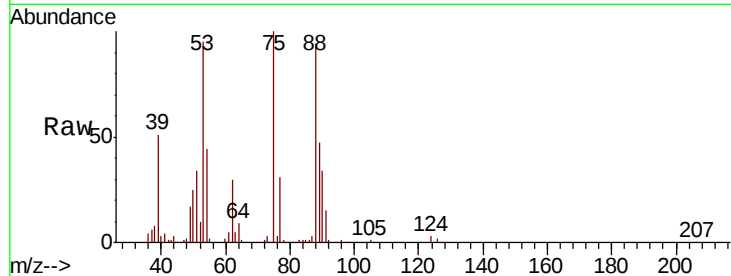
ClientSampleId :

VX0919WBSD01

Tot Ion:	75	Resp:	25059
Ion	Ratio	Lower	Upper
75	100		
53	96.0	80.1	120.1
89	47.1	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.92 ug/l

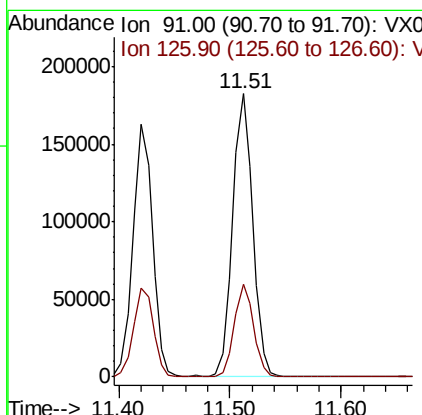
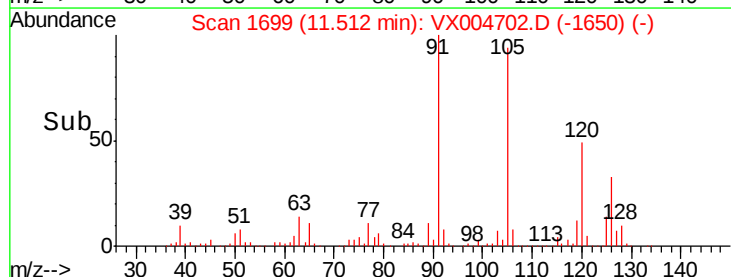
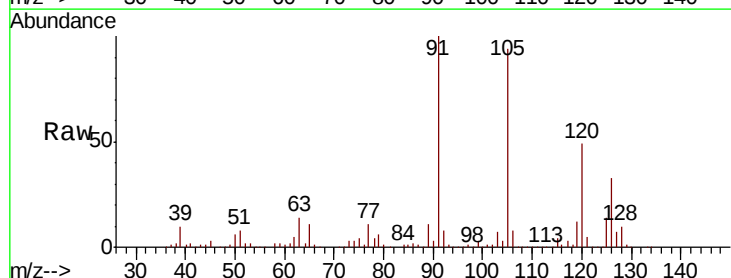
RT: 11.51 min Scan# 1699

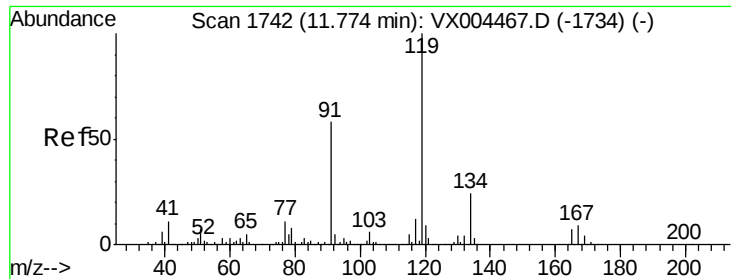
Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tgt Ion:	91	Resp:	228195
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.5	46.5





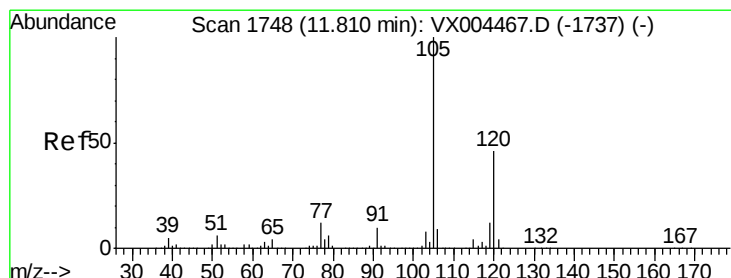
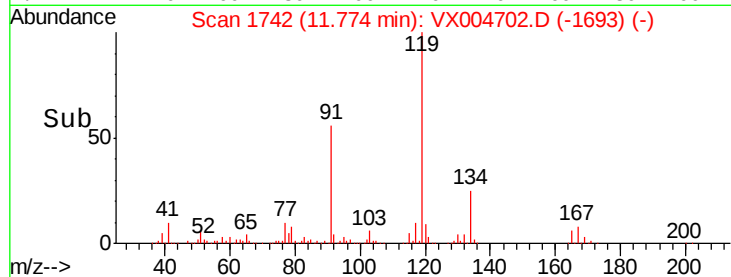
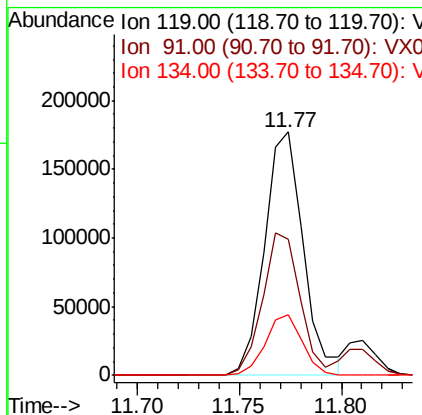
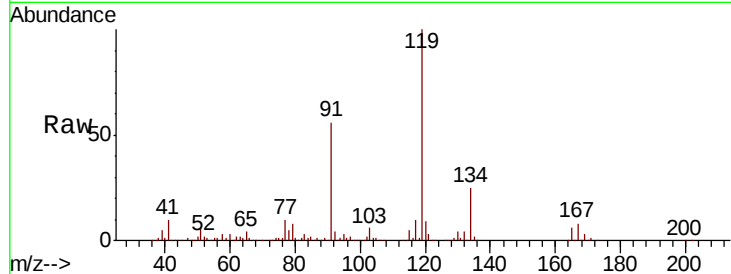
#83
 tert-Butylbenzene
 Concen: 22.94 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	234850		
91	56.6	27.0	81.0	
134	23.7	11.7	35.1	

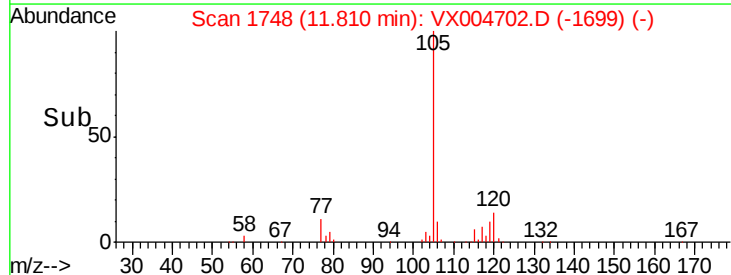
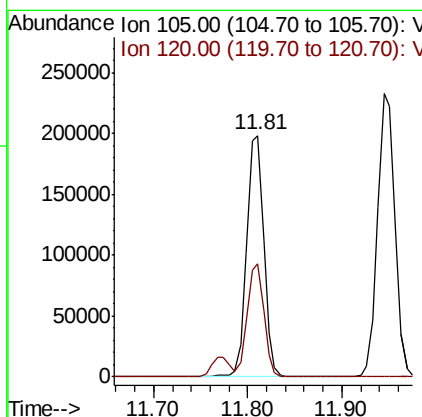
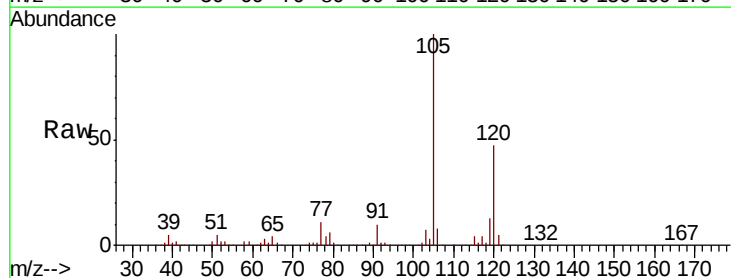
Manual Integrations
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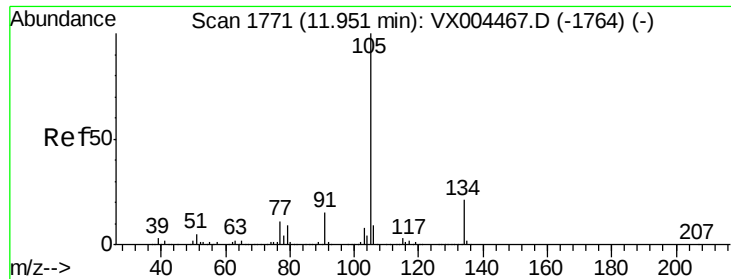
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.94 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	251914		
120	45.5	23.2	69.6	





#85

sec-Butylbenzene

Concen: 22.70 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

Tot Ion:105 Resp: 296185

Ion Ratio Lower Upper

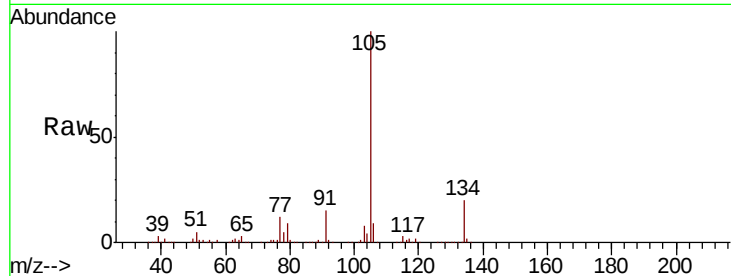
105 100

134 20.6 10.5 31.5

Manual Integrations
APPROVED

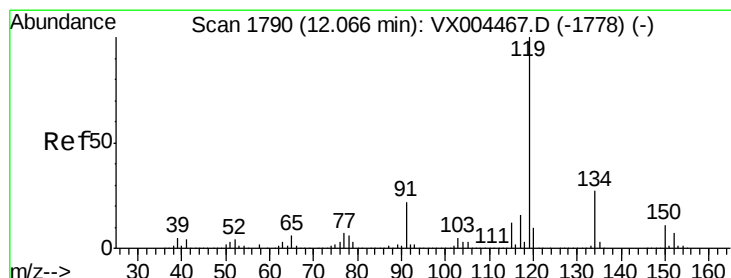
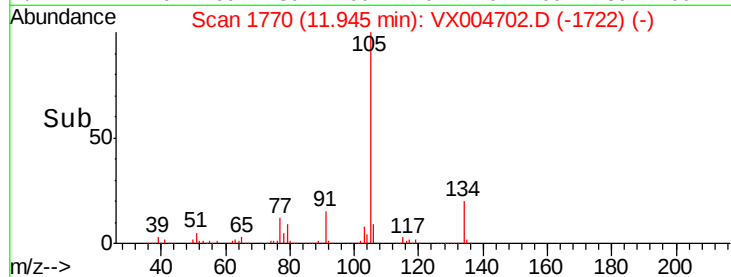
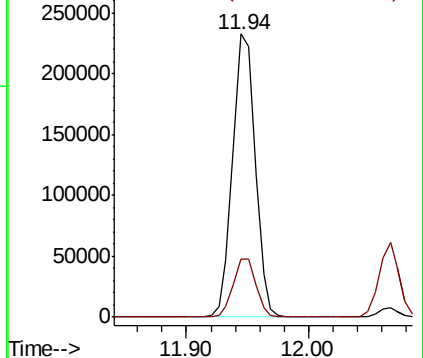
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.13 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

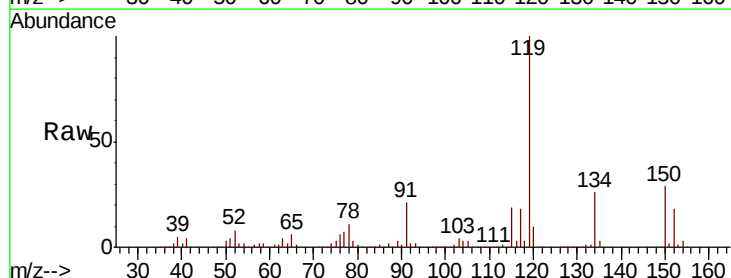
Tgt Ion:119 Resp: 266540

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

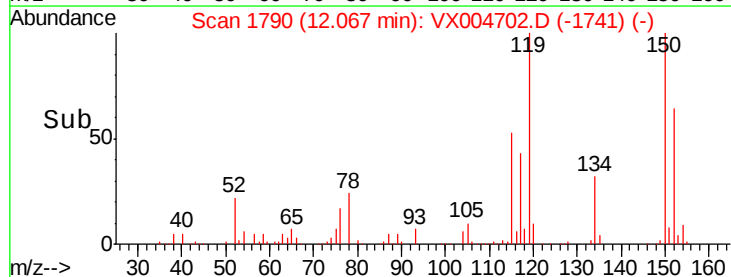
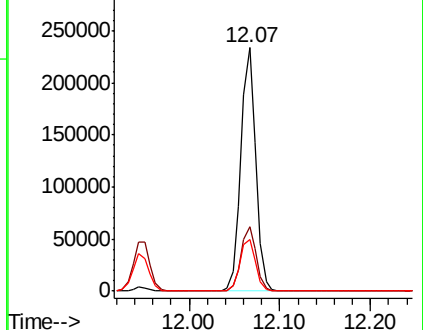
91 22.0 10.9 32.7

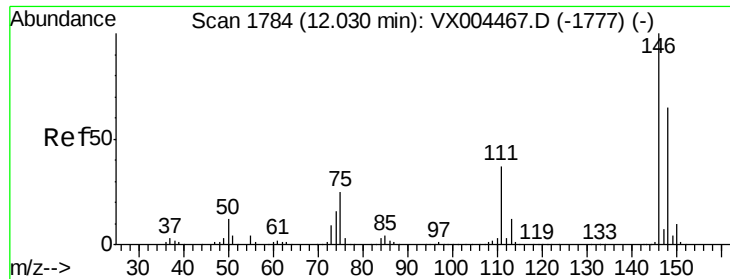


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





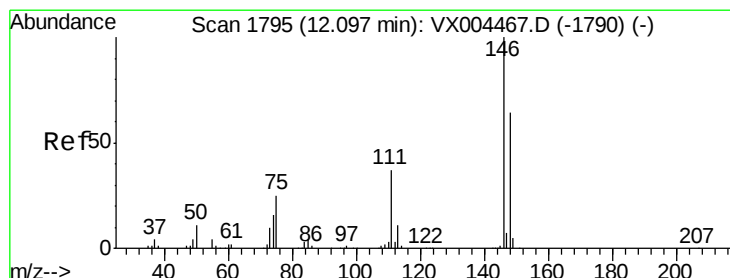
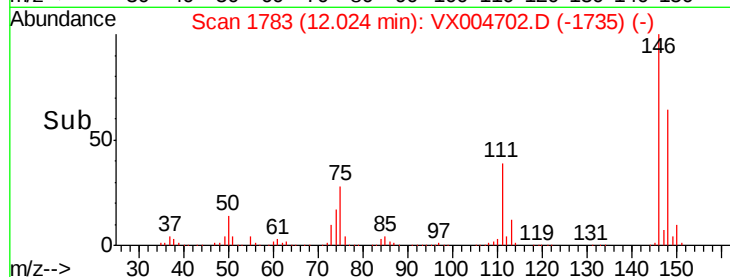
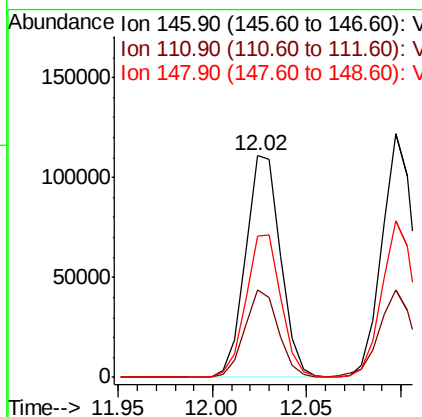
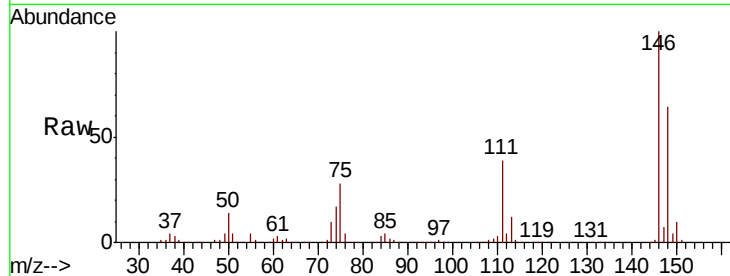
#87
 1,3-Dichlorobenzene
 Concen: 21.73 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	64.1	32.1	96.5

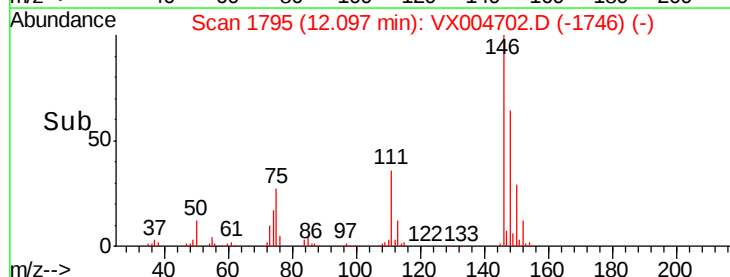
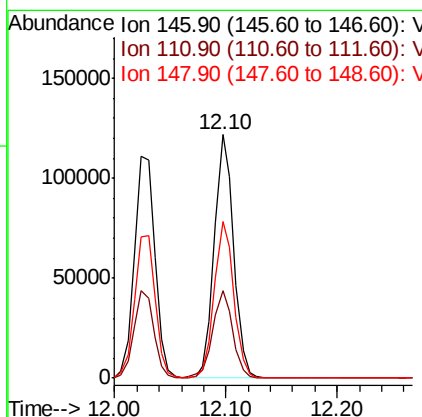
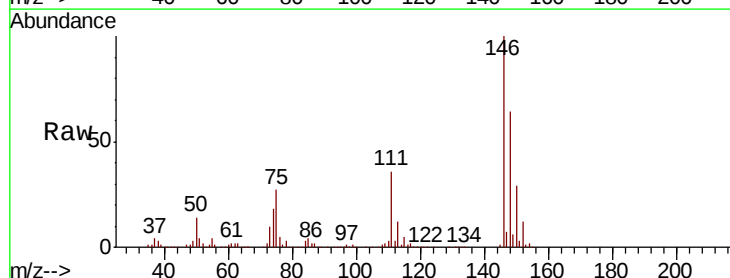
Manual Integrations
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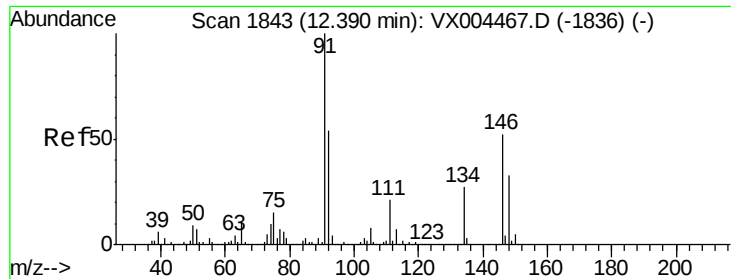
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#88
 1,4-Dichlorobenzene
 Concen: 21.50 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	64.8	32.0	96.0





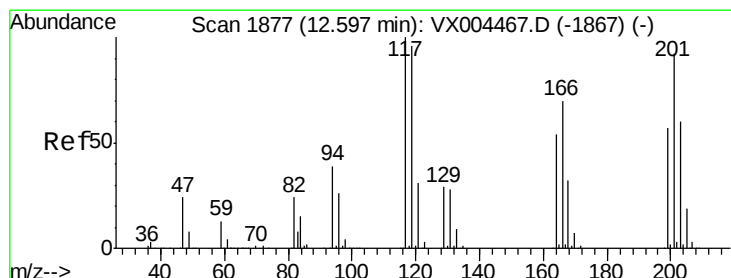
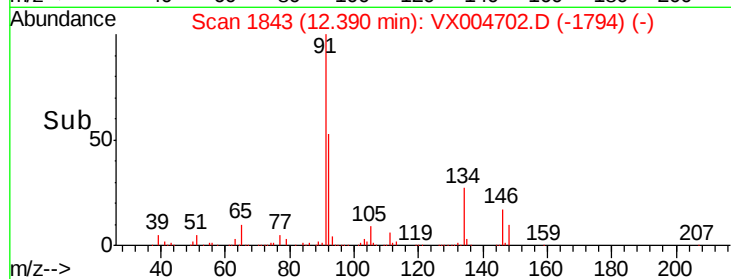
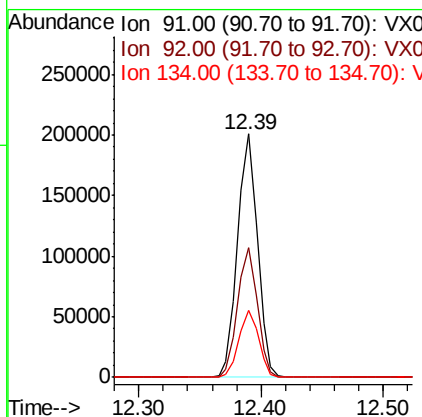
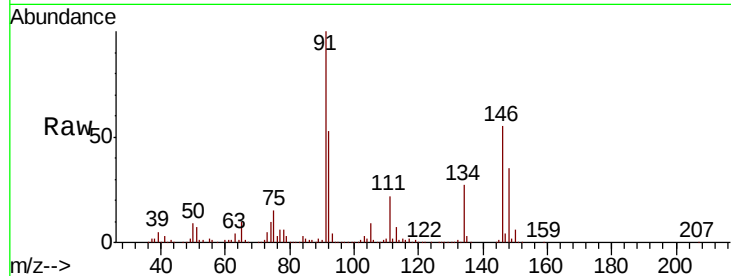
#89
n-Butylbenzene
Concen: 21.45 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.3	81.9
134	27.3	13.6	40.7

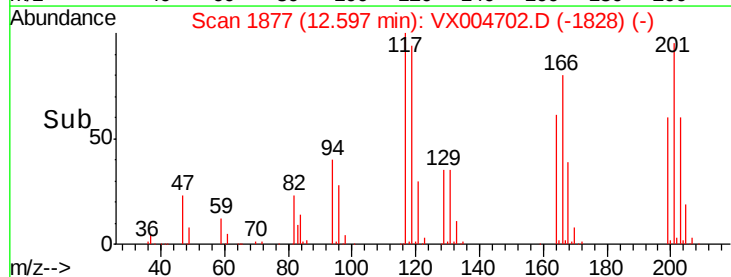
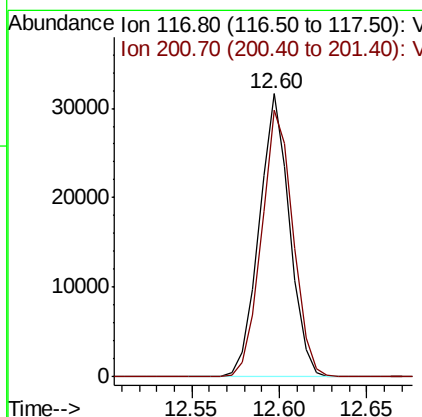
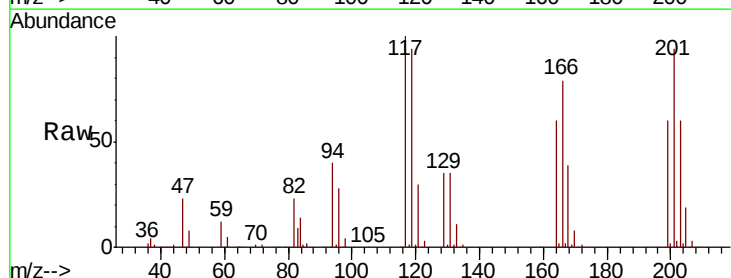
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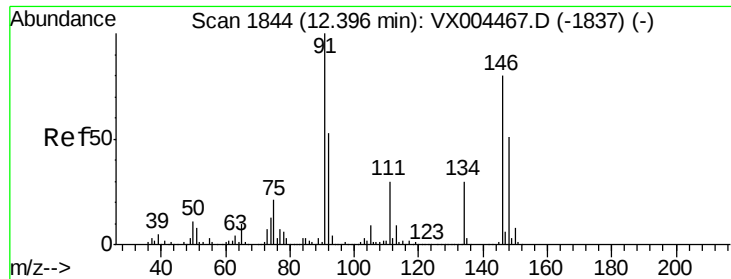
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#90
Hexachloroethane
Concen: 20.84 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.9	46.9	140.6





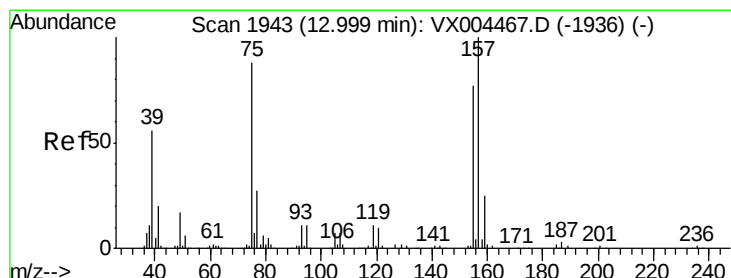
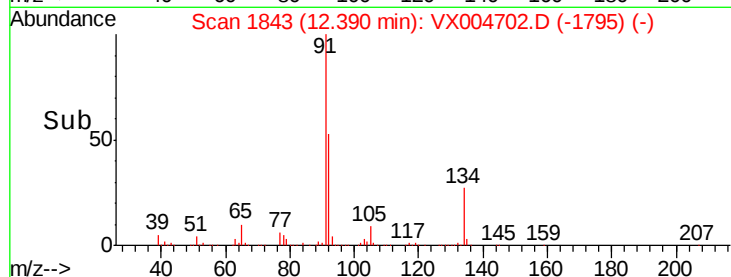
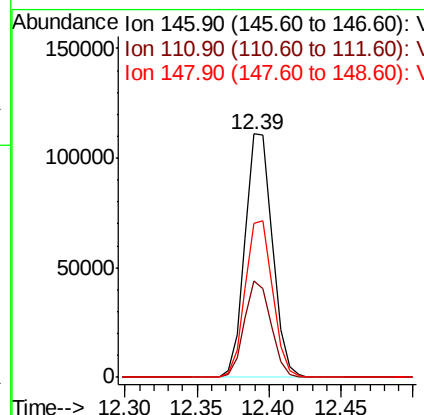
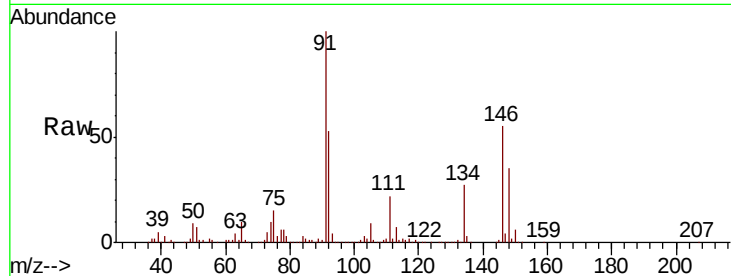
#91
 1,2-Dichlorobenzene
 Concen: 21.94 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	64.5	32.8	98.3

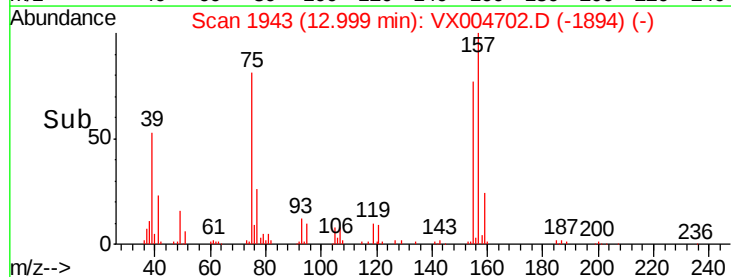
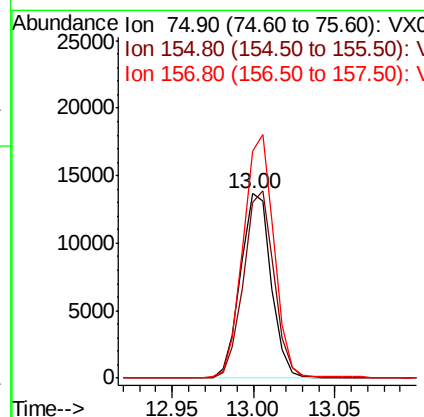
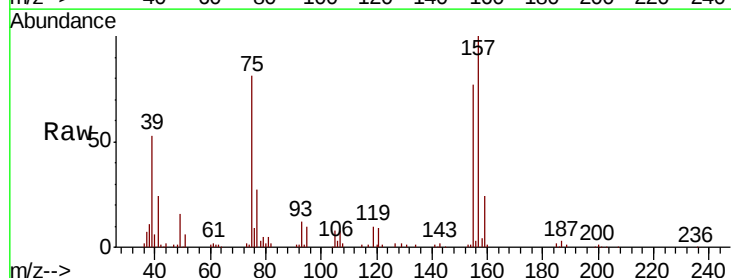
Manual Integrations
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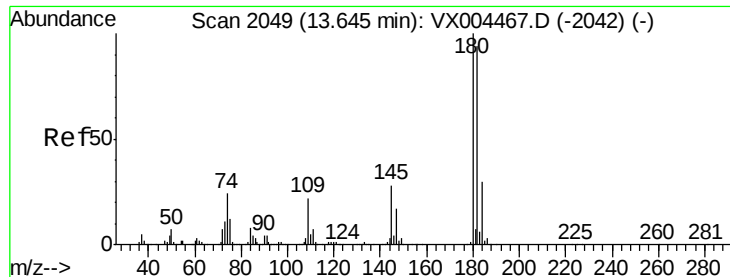
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.29 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	48.0	144.2
157	134.1	61.4	184.1





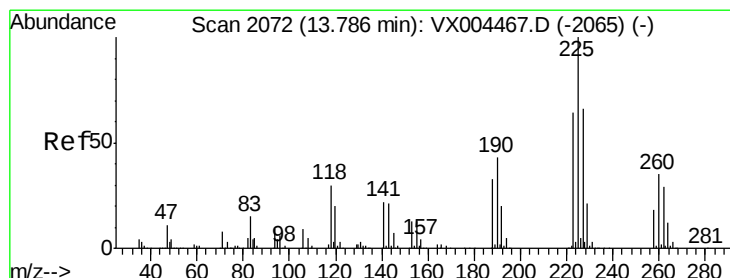
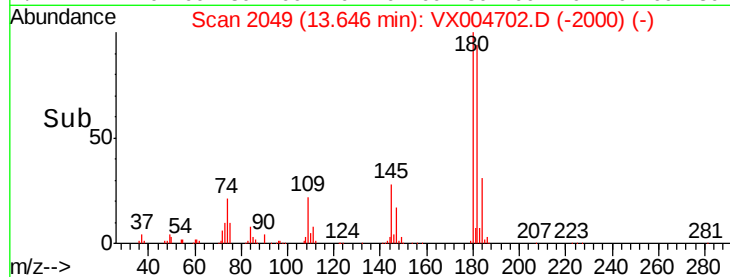
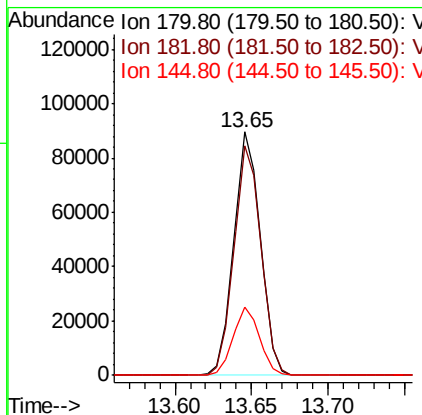
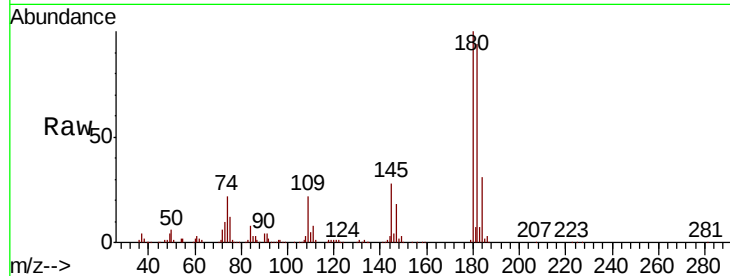
#93
 1,2,4-Trichlorobenzene
 Concen: 22.79 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107735		
182	95.7	48.4	145.0	
145	27.8	14.3	42.9	

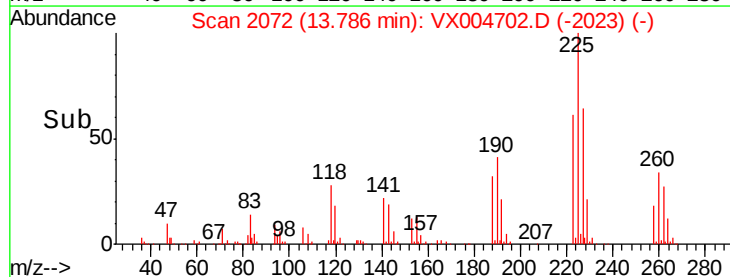
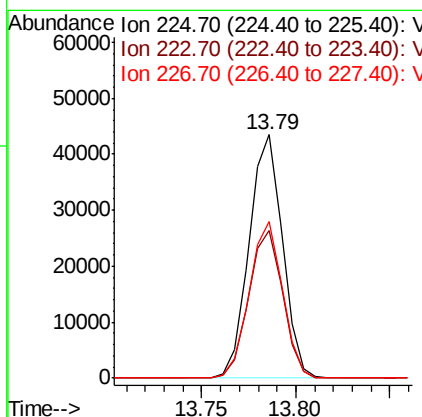
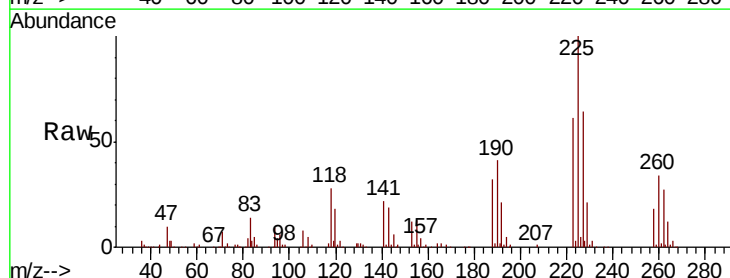
Manual Integrations
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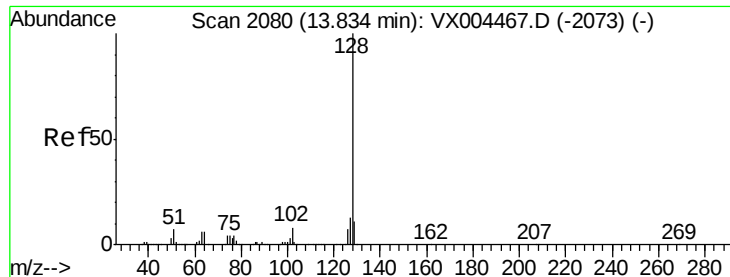
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#94
 Hexachlorobutadiene
 Concen: 21.60 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53345		
223	61.6	30.1	90.5	
227	64.2	30.8	92.4	





#95

Naphthalene

Concen: 23.57 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

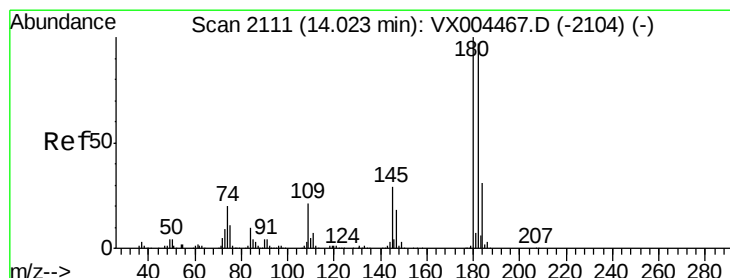
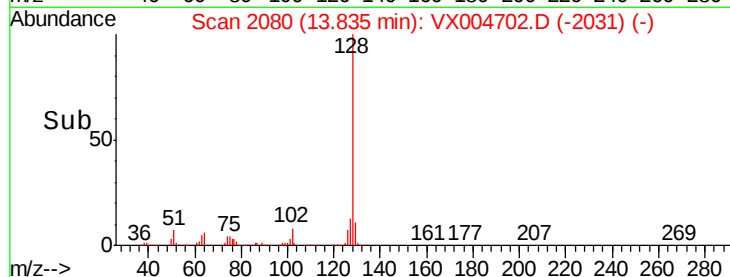
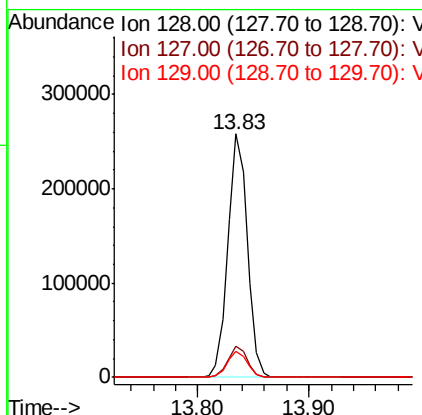
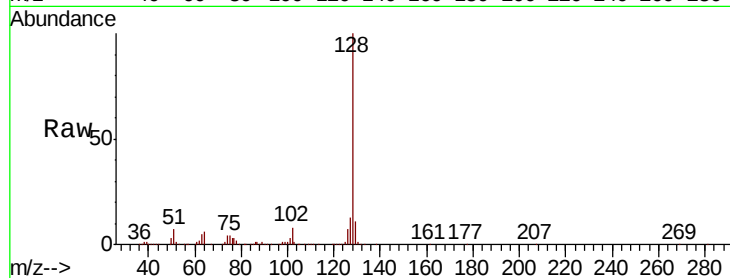
ClientSampleId :

VX0919WBSD01

Tot Ion:	128	Resp:	312513
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 22.64 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tgt Ion:	180	Resp:	109958
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.5	145.6
145	29.7	14.9	44.9

