

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004701.D
 Acq On : 19 Sep 2018 13:12
 Operator : JC/MD
 Sample : VX0919MBSD01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0919MBSD01

Manual Integrations
 APPROVED

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

Quant Time: Sep 19 17:09:04 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	5.66	168	121139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	152532	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	135723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	76530	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	60397	38.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.34%	
35) Dibromofluoromethane	5.50	113	57994	41.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.10%	
50) Toluene-d8	8.71	98	207961	44.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.86%	
62) 4-Bromofluorobenzene	11.14	95	70722	42.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	23333	20.55	ug/l	91
3) Chloromethane	1.32	50	26807	17.16	ug/l	93
4) Vinyl Chloride	1.40	62	28773	17.94	ug/l	97
5) Bromomethane	1.64	94	13593	19.52	ug/l	92
6) Chloroethane	1.71	64	17417	16.80	ug/l	92
7) Trichlorofluoromethane	1.92	101	39778	18.71	ug/l	91
8) Diethyl Ether	2.19	74	17447	18.31	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	27647	20.50	ug/l	93
10) Methyl Iodide	2.51	142	21342	16.37	ug/l	96
11) Tert butyl alcohol	3.07	59	53106	142.49	ug/l	100
12) 1,1-Dichloroethene	2.37	96	24753	19.56	ug/l	96
13) Acrolein	2.29	56	14130	96.04	ug/l	100
14) Allyl chloride	2.72	41	50073	19.24	ug/l	92
15) Acrylonitrile	3.15	53	123212	137.28	ug/l	98
16) Acetone	2.45	43	101142	132.67	ug/l	100
17) Carbon Disulfide	2.57	76	58872	16.09	ug/l	100
18) Methyl Acetate	2.78	43	59063	27.61	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	85276	19.20	ug/l	98
20) Methylene Chloride	2.85	84	26484	16.93	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	25274	18.07	ug/l	95
22) Diisopropyl ether	3.87	45	84688	18.07	ug/l	94
23) Vinyl Acetate	3.82	43	353873	93.30	ug/l	99
24) 1,1-Dichloroethane	3.69	63	47769	18.05	ug/l	99
25) 2-Butanone	4.70	43	153139	126.22	ug/l	100
26) 2,2-Dichloropropane	4.58	77	37196	20.47	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	29150	18.67	ug/l	99
28) Bromochloromethane	5.01	49	19598	16.19	ug/l	97
29) Tetrahydrofuran	5.16	42	101944	139.32	ug/l	97
30) Chloroform	5.22	83	47144	18.25	ug/l	97
31) Cyclohexane	5.57	56	48150	21.31	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	40084	19.27	ug/l	97
36) 1,1-Dichloropropene	5.80	75	36280	19.59	ug/l	98
37) Ethyl Acetate	4.85	43	49790	23.64	ug/l	98
38) Carbon Tetrachloride	5.78	117	33893	18.74	ug/l	95

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 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	45057	23.32	ug/l	96
40) Benzene	6.14	78	101861	18.54	ug/l	100
41) Methacrylonitrile	5.06	41	28403	24.48	ug/l	98
42) 1,2-Dichloroethane	6.20	62	31785	17.44	ug/l	99
43) Isopropyl Acetate	6.46	43	60888	21.77	ug/l	99
44) Trichloroethene	7.21	130	29574	20.72	ug/l	98
45) 1,2-Dichloropropane	7.52	63	25687	19.43	ug/l	99
46) Dibromomethane	7.66	93	15412	18.45	ug/l	96
47) Bromodichloromethane	7.90	83	27739	17.56	ug/l	100
48) Methyl methacrylate	7.77	41	29679	21.44	ug/l	97
49) 1,4-Dioxane	7.76	88	20732	632.72	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	227855	115.42	ug/l	99
52) Toluene	8.79	92	61939	19.13	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	29244	15.85	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	34319	18.25	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	25017	17.95	ug/l	98
56) Ethyl methacrylate	9.18	69	36300	18.41	ug/l	97
57) 1,3-Dichloropropane	9.37	76	41124	18.16	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	89388	93.66	ug/l	97
59) 2-Hexanone	9.49	43	184339	121.74	ug/l	99
60) Dibromochloromethane	9.59	129	22181	16.90	ug/l	97
61) 1,2-Dibromoethane	9.67	107	25284	18.99	ug/l	100
64) Tetrachloroethene	9.34	164	35733	21.09	ug/l	98
65) Chlorobenzene	10.14	112	65828	19.53	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	22974	19.76	ug/l	99
67) Ethyl Benzene	10.25	91	113716	20.74	ug/l	96
68) m/p-Xylenes	10.36	106	88316	41.82	ug/l	99
69) o-Xylene	10.70	106	43476	21.42	ug/l	98
70) Styrene	10.71	104	66689	19.83	ug/l	99
71) Bromoform	10.86	173	17406	18.23	ug/l #	99
73) Isopropylbenzene	11.02	105	141985	28.17	ug/l	96
74) N-amyl acetate	10.90	43	47084	22.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	35330	21.73	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	39680m	25.77	ug/l	
77) Bromobenzene	11.26	156	29862	21.44	ug/l	98
78) n-propylbenzene	11.36	91	134509	23.21	ug/l	99
79) 2-Chlorotoluene	11.42	91	77978	22.19	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	98223	23.18	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	10680	22.11	ug/l	95
82) 4-Chlorotoluene	11.51	91	87784	21.40	ug/l	100
83) tert-Butylbenzene	11.77	119	97786	24.24	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	99030	22.89	ug/l	99
85) sec-Butylbenzene	11.94	105	130313	25.35	ug/l	99
86) p-Isopropyltoluene	12.07	119	113760	25.06	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	53642	20.64	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	52909	19.70	ug/l	98
89) n-Butylbenzene	12.39	91	99980	24.17	ug/l	98
90) Hexachloroethane	12.60	117	15494	21.32	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	55275	21.01	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	10023	28.87	ug/l	81

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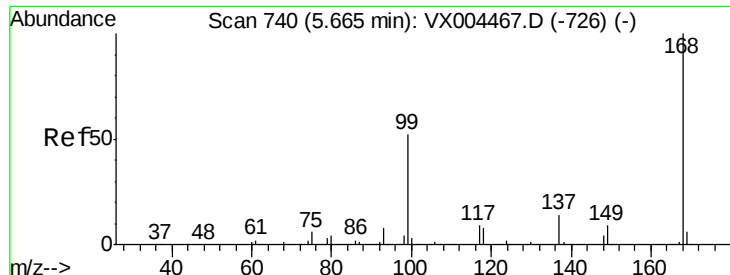
Manual Integrations
APPROVED

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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	36637	19.67	ug/l	99
94) Hexachlorobutadiene	13.79	225	25973	26.69	ug/l	97
95) Naphthalene	13.83	128	135435	25.92	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	39223	20.50	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion:168 Resp: 121139

Ion Ratio Lower Upper

168 100

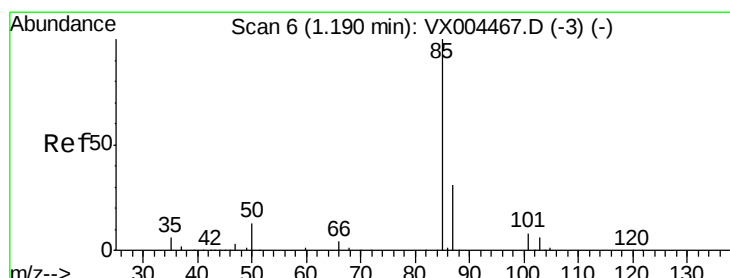
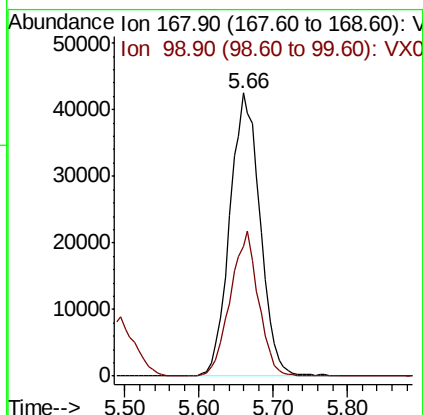
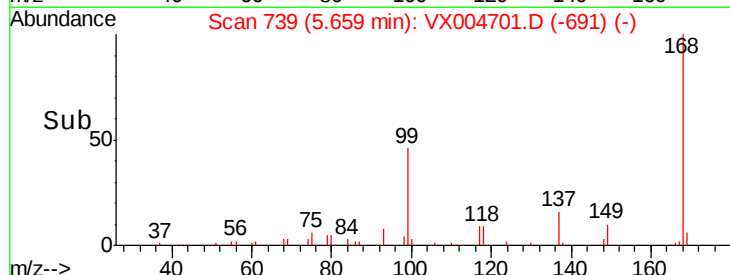
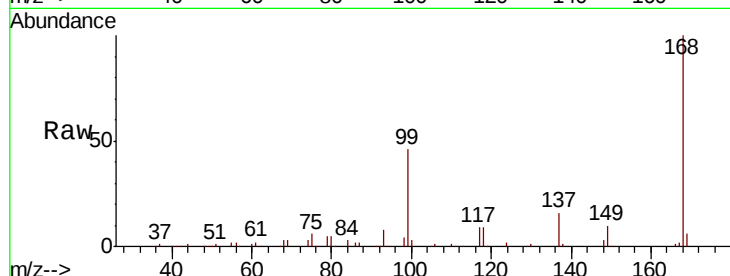
99 45.7 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.55 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX004701.D

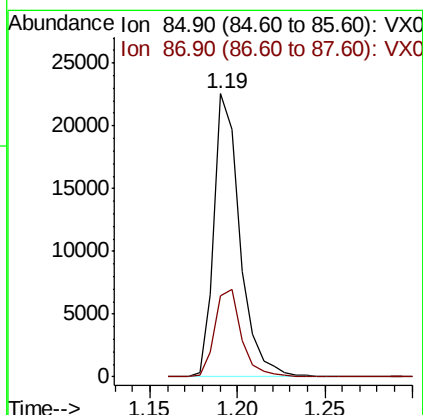
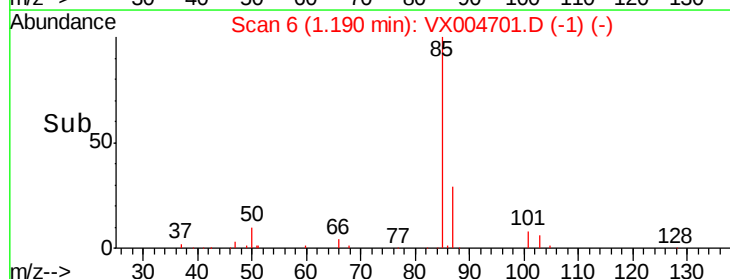
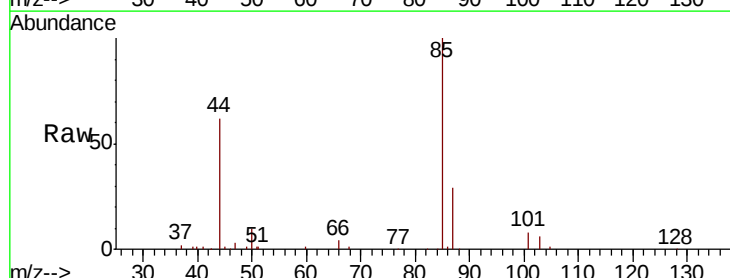
Acq: 19 Sep 2018 13:12

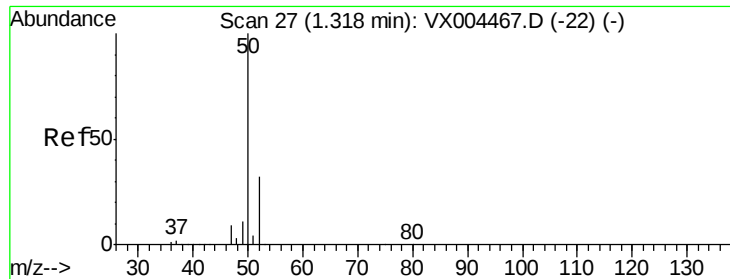
Tgt Ion: 85 Resp: 23333

Ion Ratio Lower Upper

85 100

87 28.8 17.0 50.9





#3

Chloromethane

Concen: 17.16 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 50 Resp: 26807

Ion Ratio Lower Upper

50 100

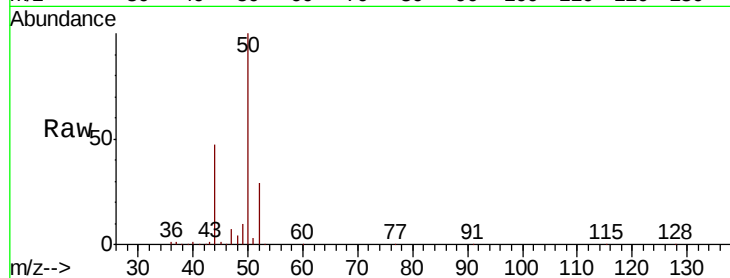
52 28.8 26.2 39.2

Manual Integrations

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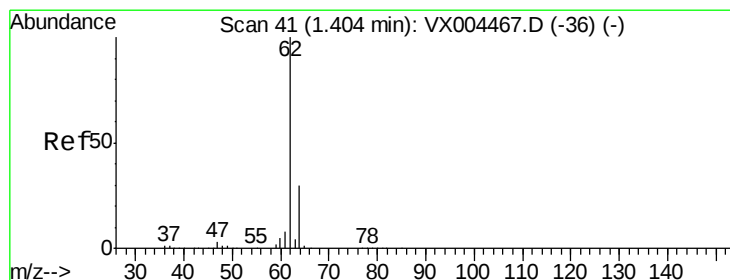
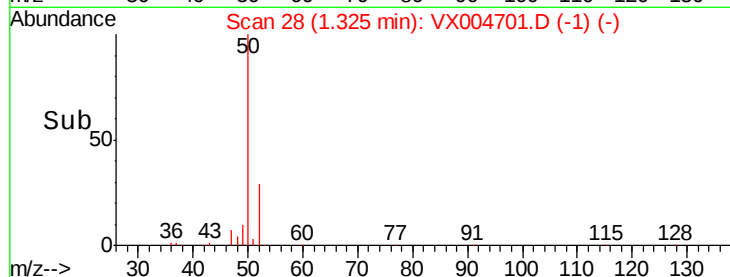
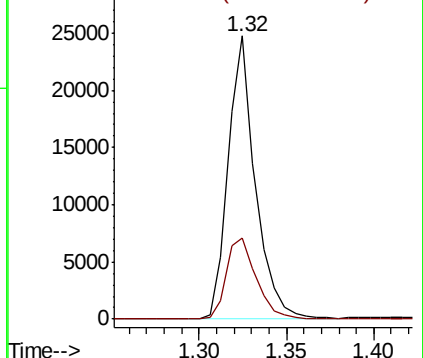
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.94 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004701.D

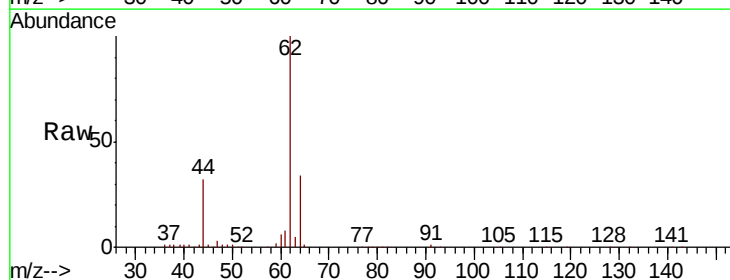
Acq: 19 Sep 2018 13:12

Tgt Ion: 62 Resp: 28773

Ion Ratio Lower Upper

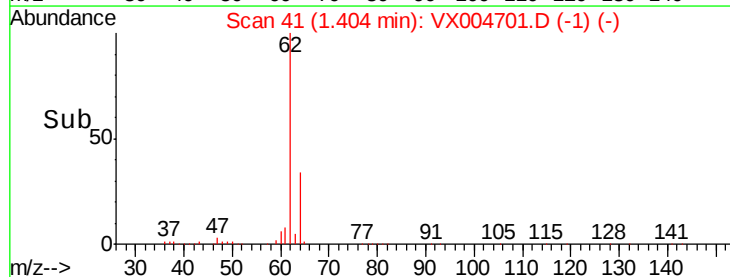
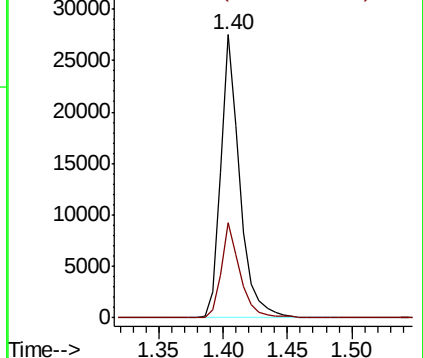
62 100

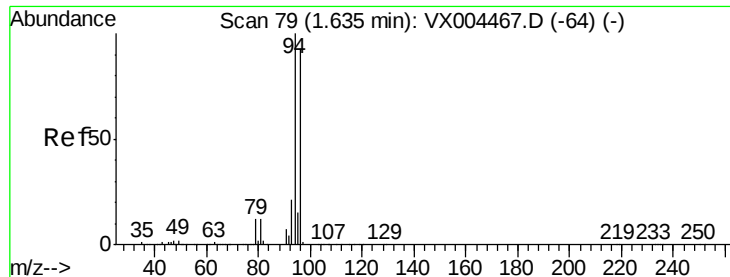
64 33.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.52 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 94 Resp: 13593

Ion Ratio Lower Upper

94 100

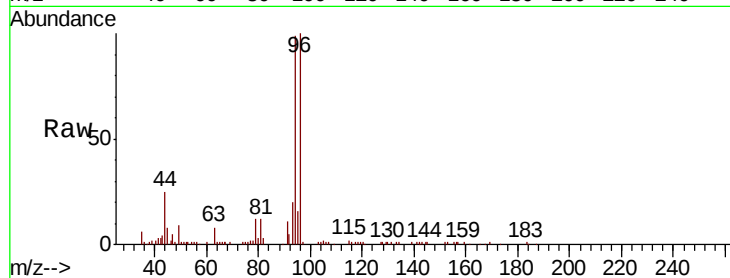
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Manual Integrations

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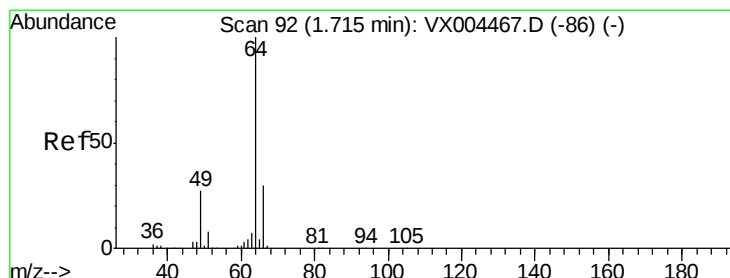
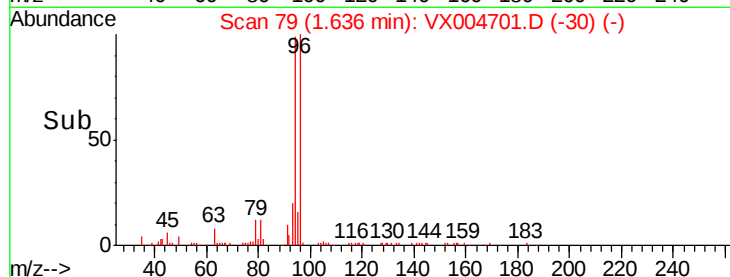
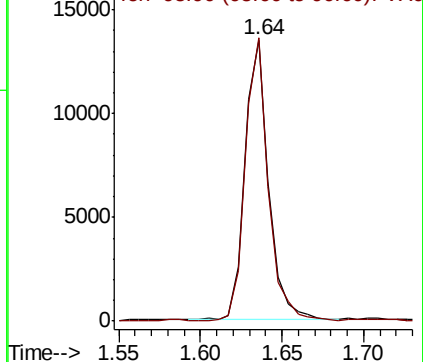
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 16.80 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004701.D

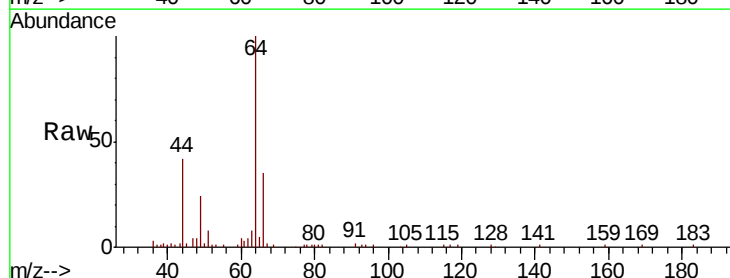
Acq: 19 Sep 2018 13:12

Tgt Ion: 64 Resp: 17417

Ion Ratio Lower Upper

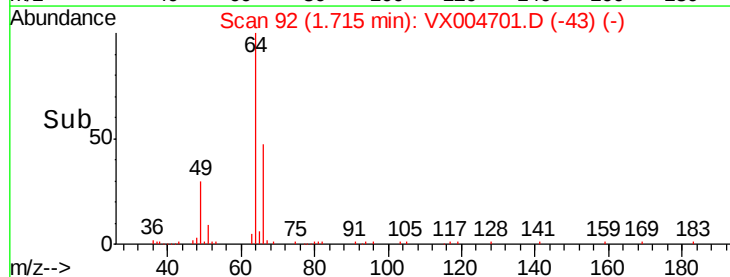
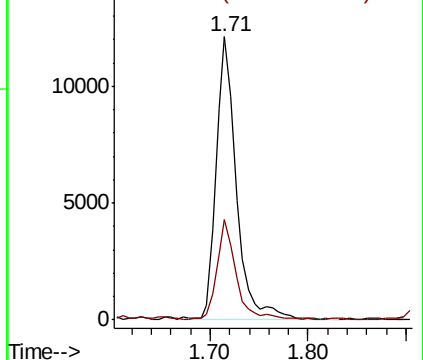
64 100

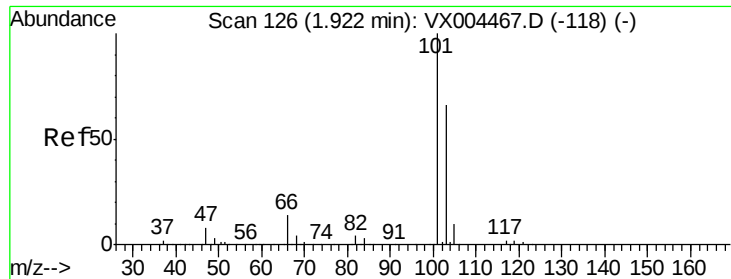
66 35.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

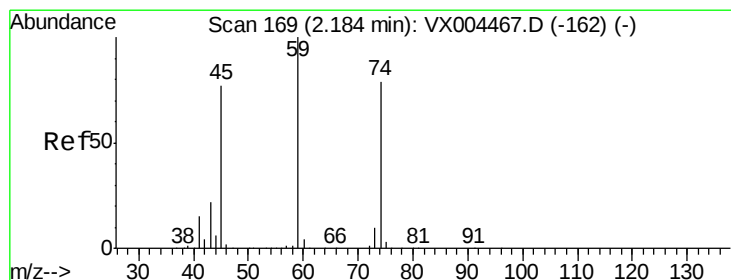
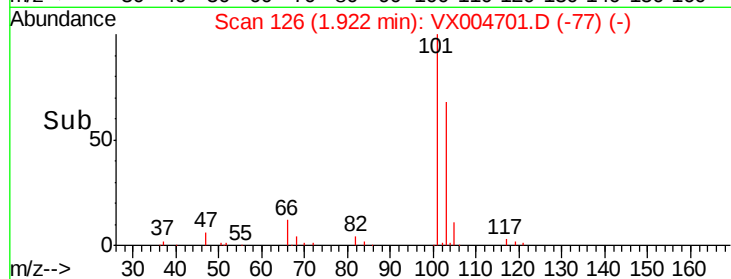
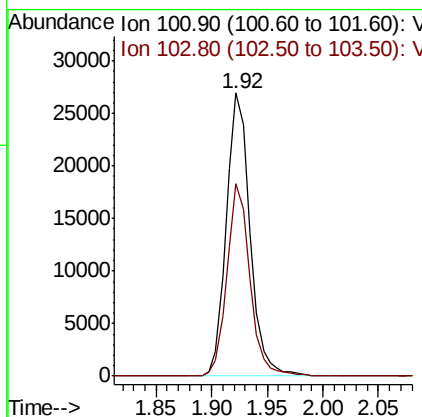
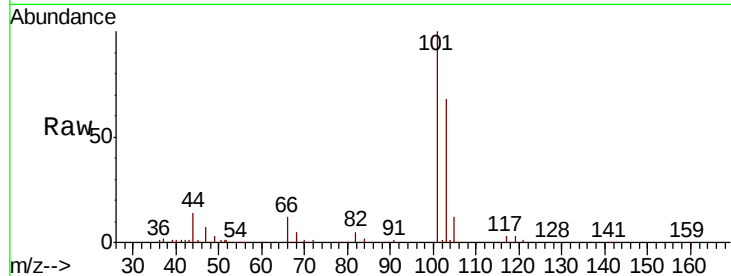
Trichlorofluoromethane
Concen: 18.71 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion:101 Resp: 39778
Ion Ratio Lower Upper
101 100
103 68.0 48.9 73.3

Manual Integrations
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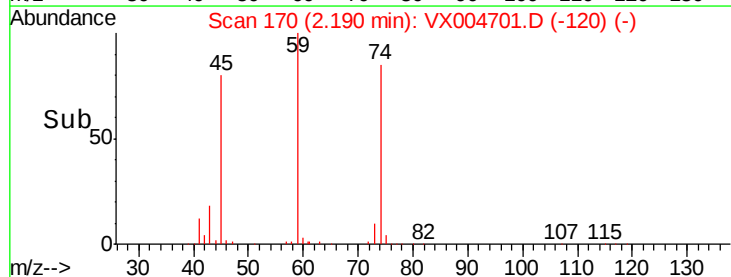
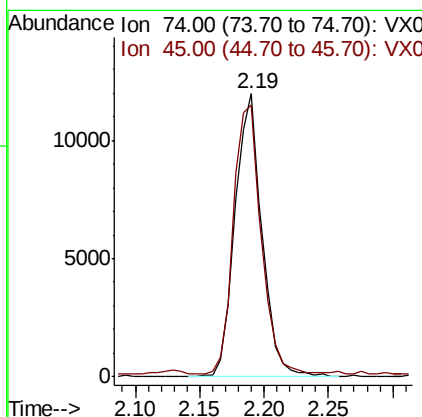
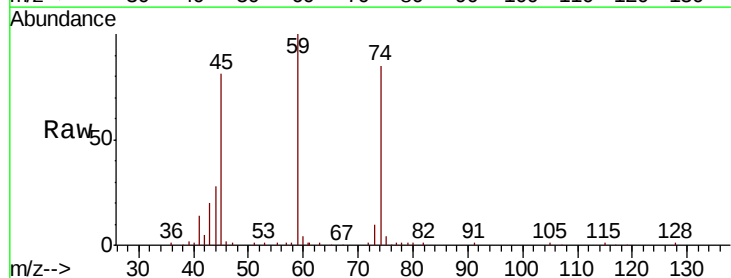
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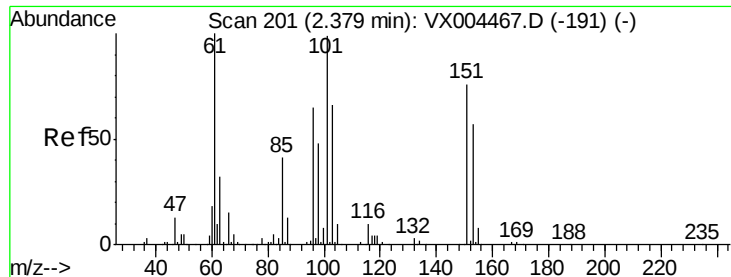


#8

Diethyl Ether
Concen: 18.31 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 74 Resp: 17447
Ion Ratio Lower Upper
74 100
45 97.9 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.50 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

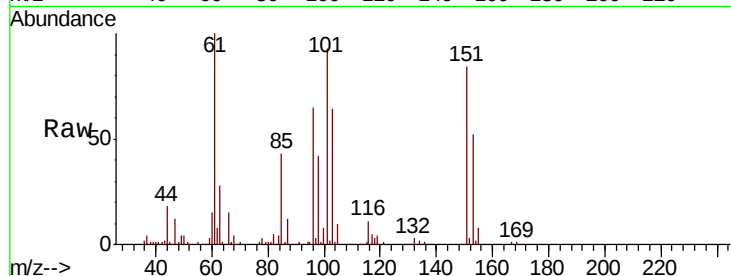
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VX0919MBS01

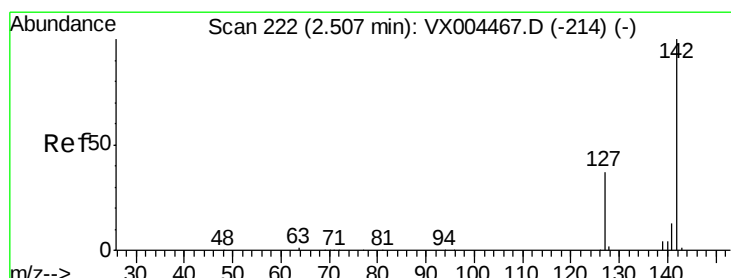
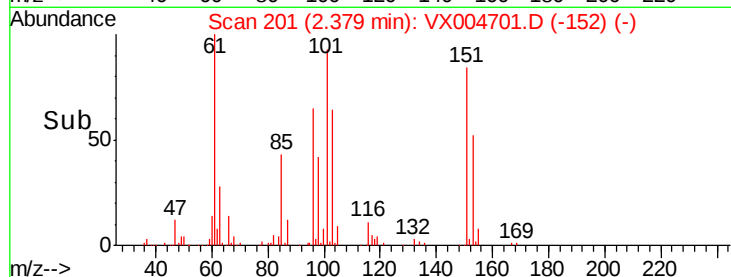
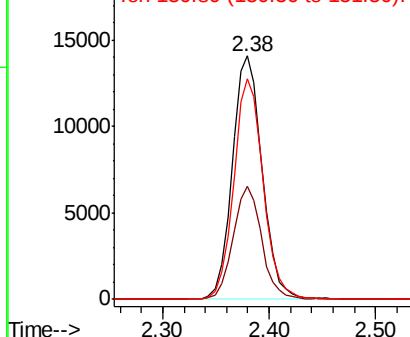
Tot Ion:	101	Resp:	27647
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.2	51.4
151	89.1	65.0	97.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.37 ug/l

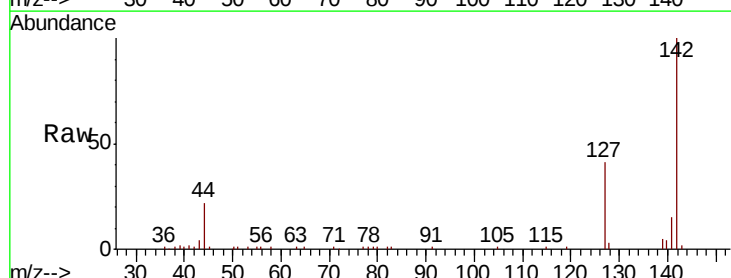
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

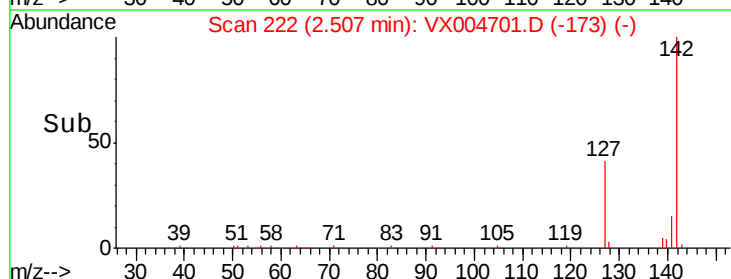
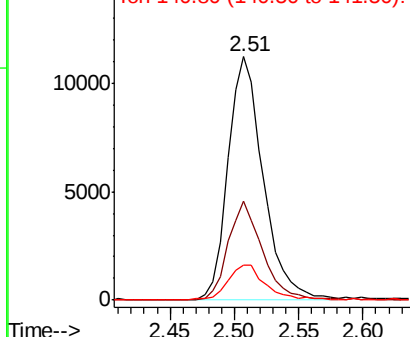
Lab File: VX004701.D

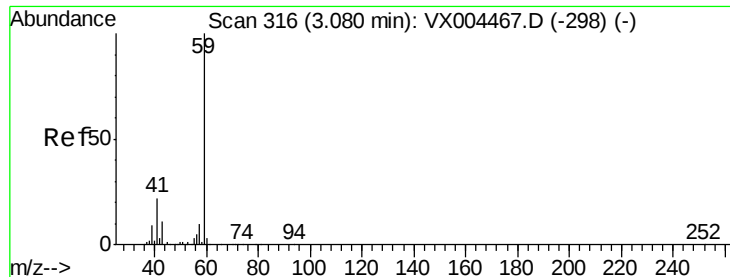
Acq: 19 Sep 2018 13:12

Tgt Ion:	142	Resp:	21342
Ion Ratio	Lower	Upper	
142	100		
127	39.6	33.8	50.6
141	15.6	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





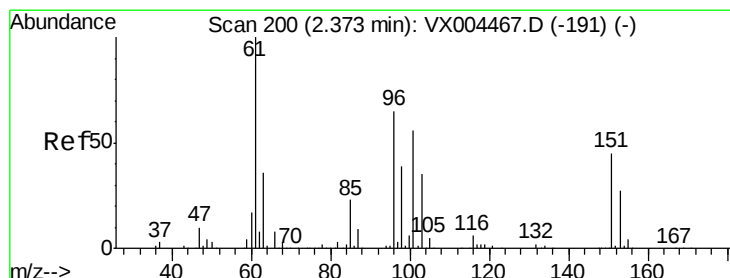
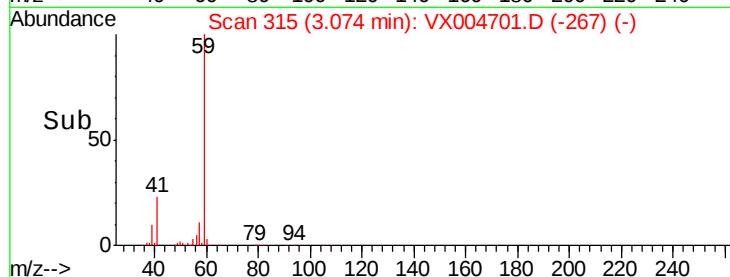
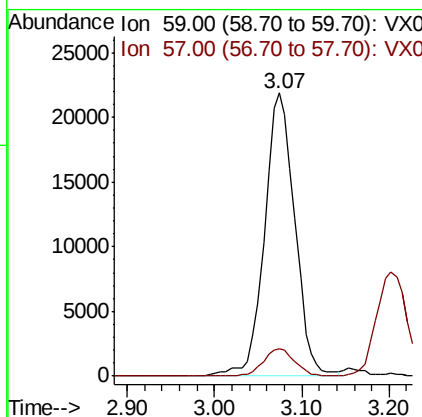
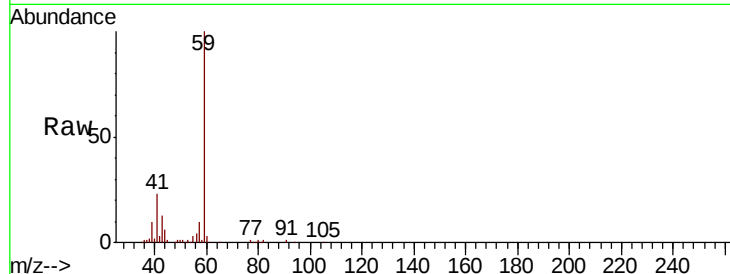
#11
Tert butyl alcohol
Concen: 142.49 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

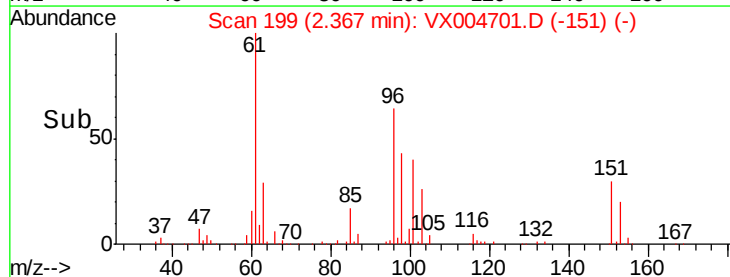
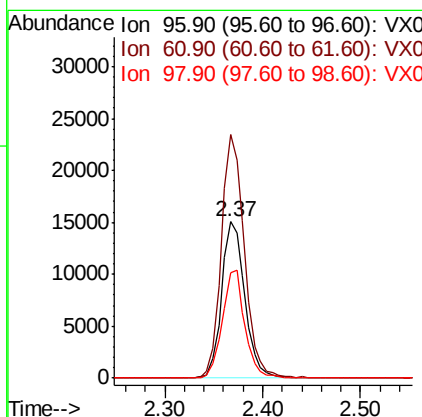
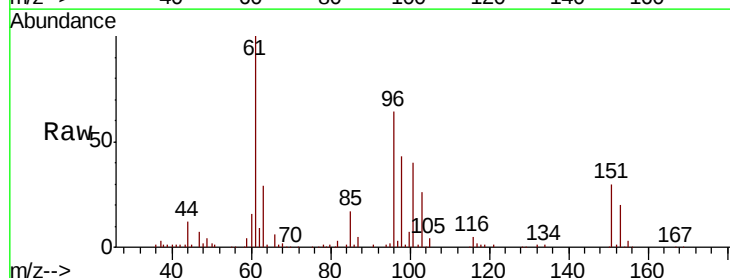
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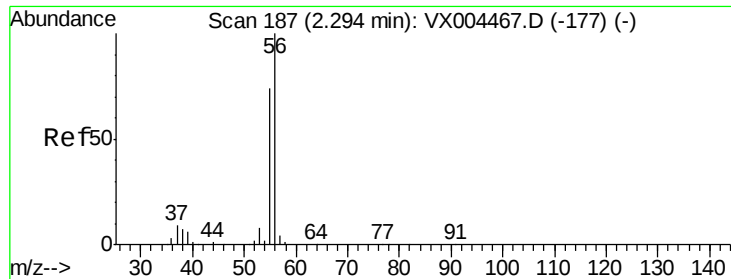
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.56 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	128.8	193.2
98	67.8	52.2	78.2





#13

Acrolein

Concen: 96.04 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 56 Resp: 14130

Ion Ratio Lower Upper

56 100

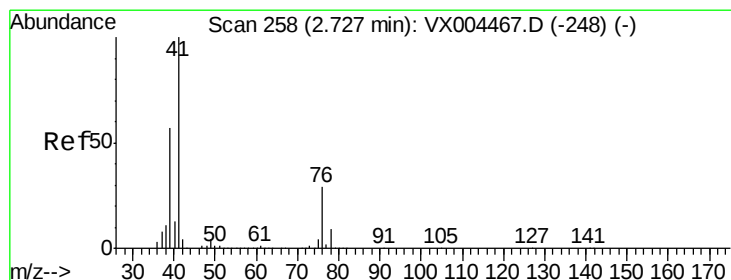
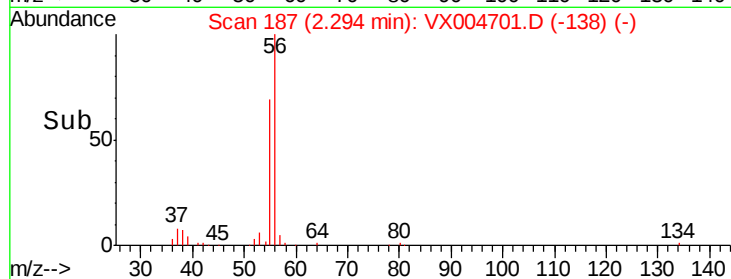
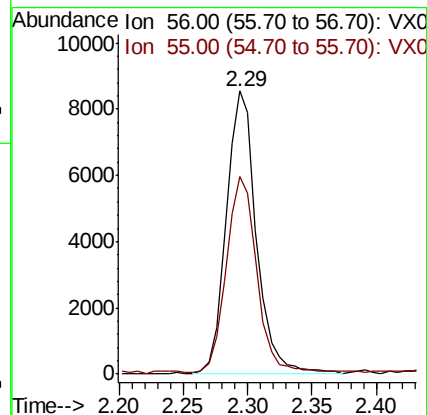
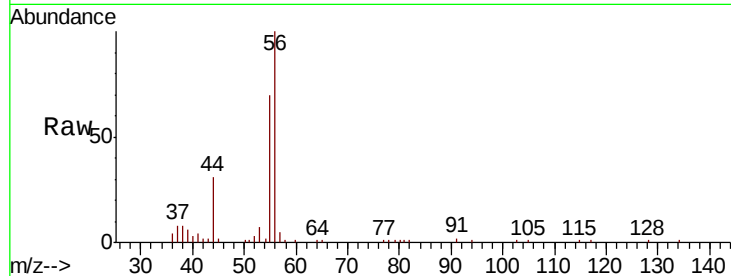
55 68.6 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.24 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

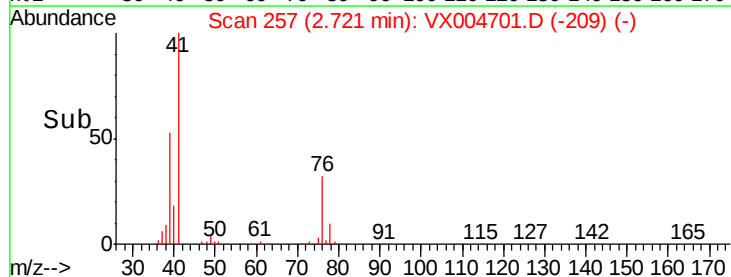
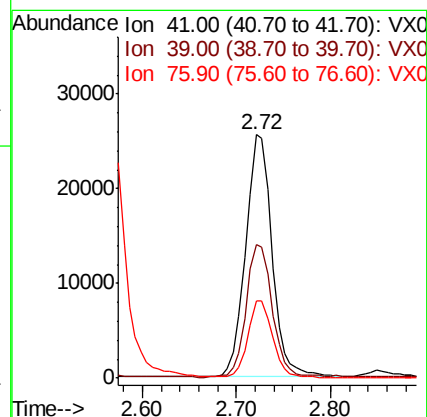
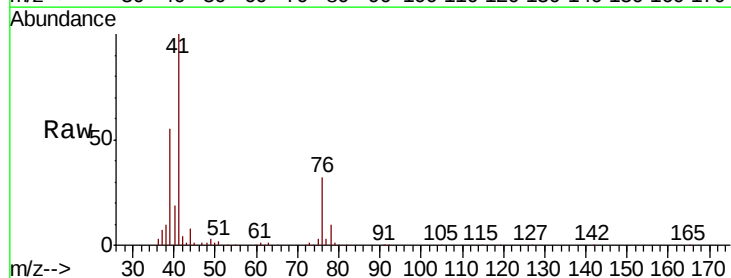
Tgt Ion: 41 Resp: 50073

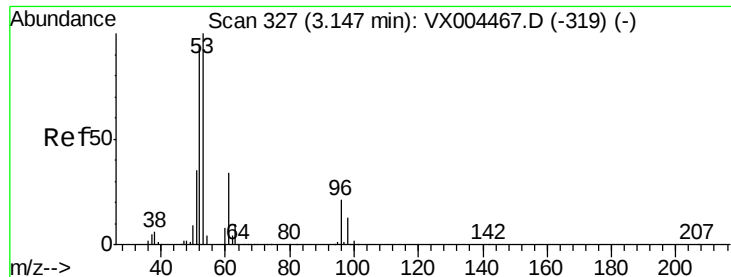
Ion Ratio Lower Upper

41 100

39 54.2 48.9 73.3

76 30.3 26.7 40.1





#15

Acrylonitrile

Concen: 137.28 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

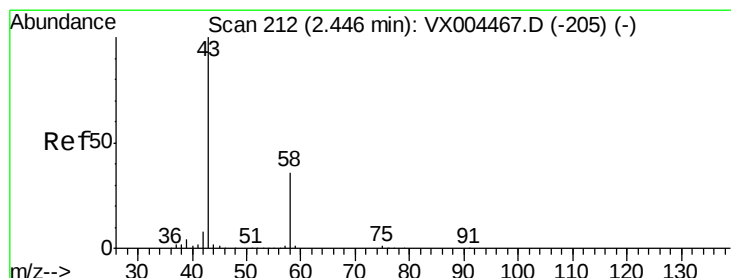
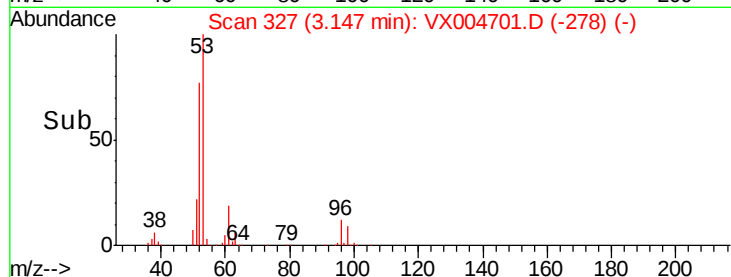
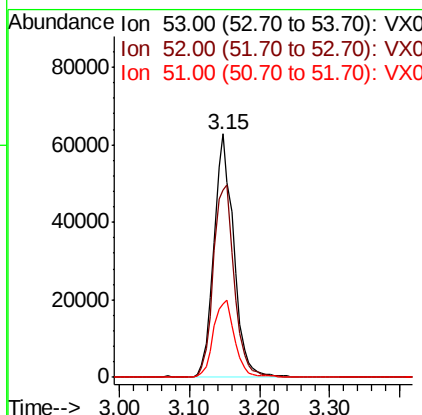
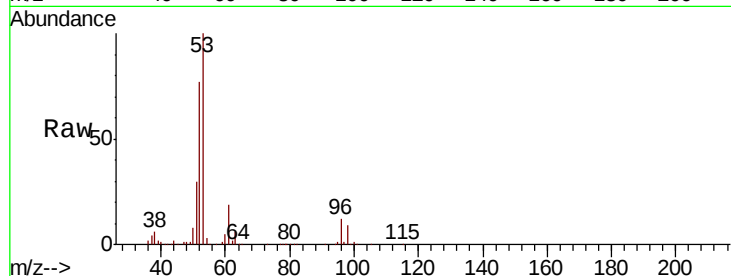
ClientSampleId :

VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.2	97.8
51	33.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 132.67 ug/l

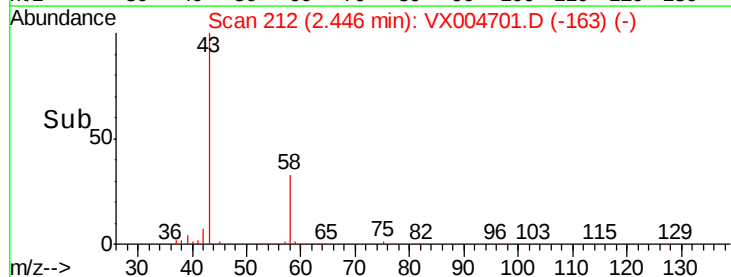
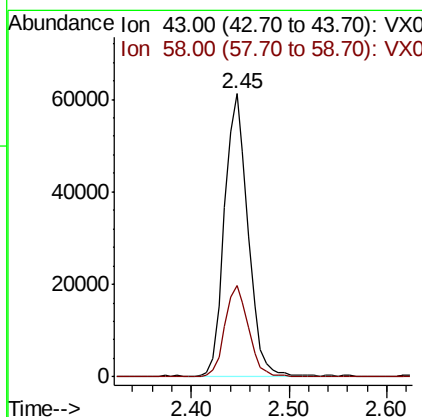
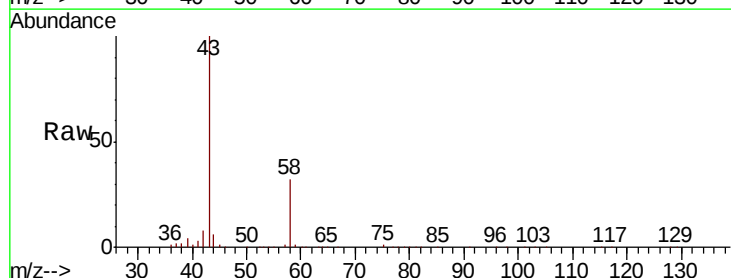
RT: 2.45 min Scan# 212

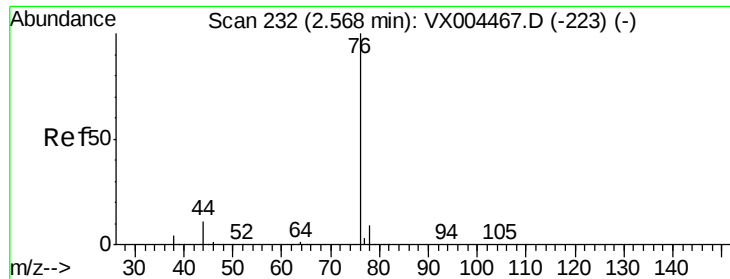
Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.2	39.4





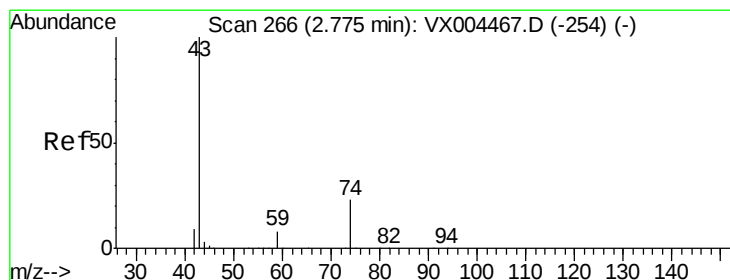
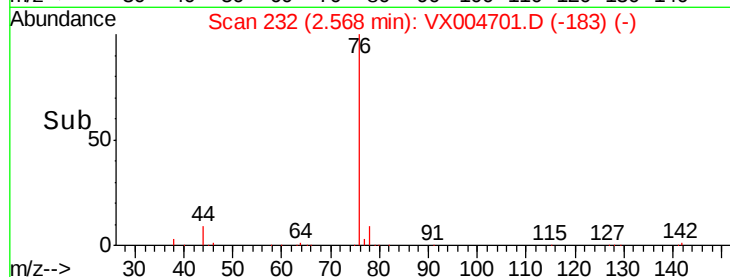
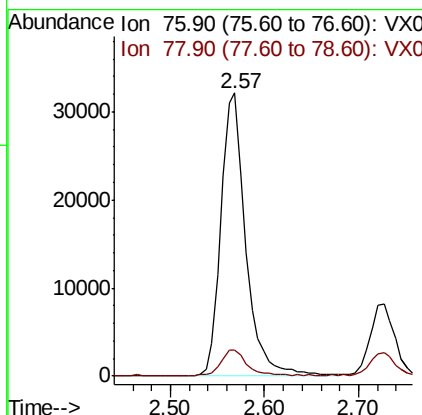
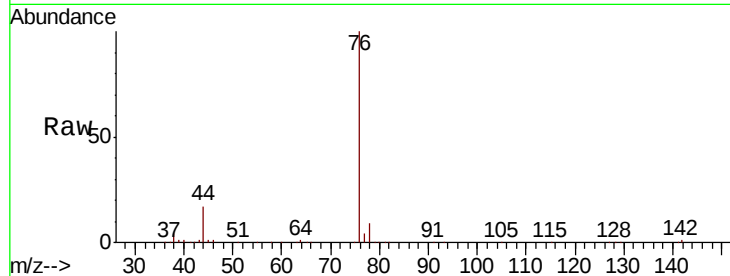
#17
Carbon Disulfide
Concen: 16.09 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

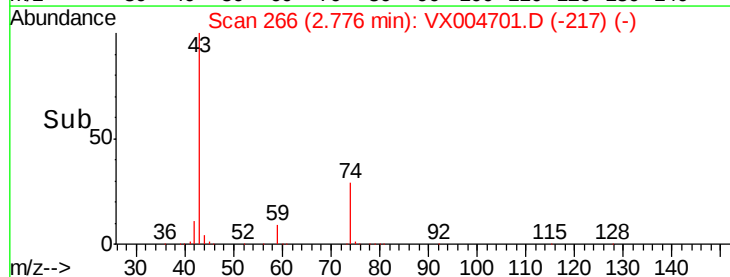
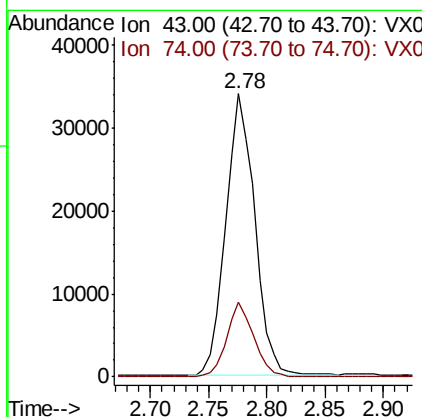
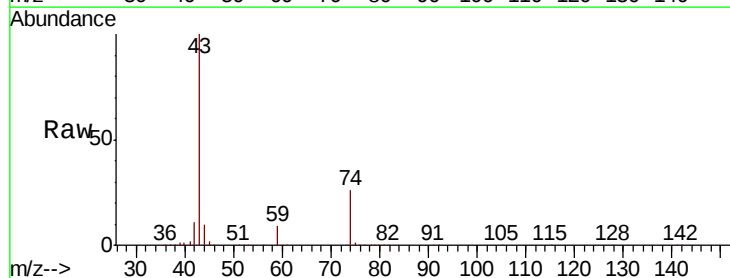
Manual Integrations
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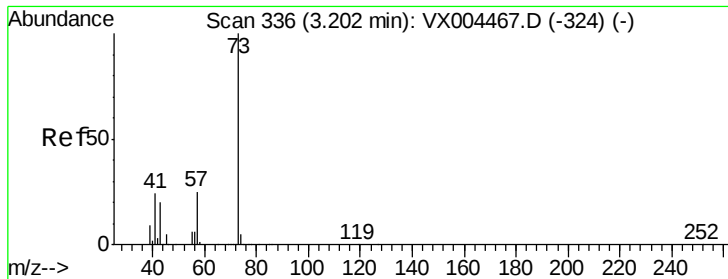
MMDadoda
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#18
Methyl Acetate
Concen: 27.61 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.4	29.2





#19

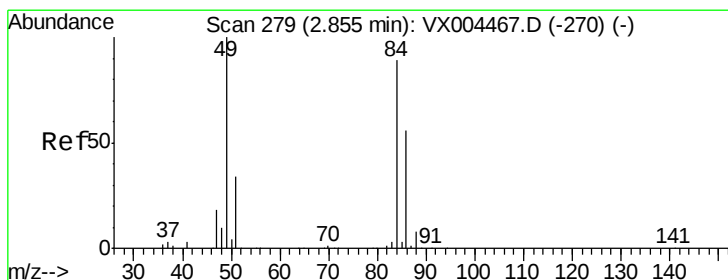
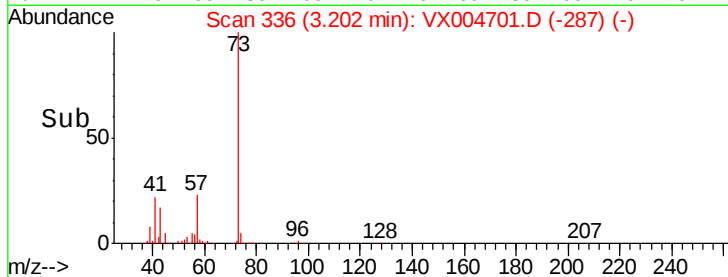
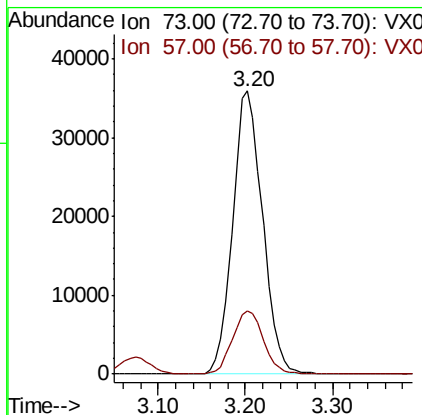
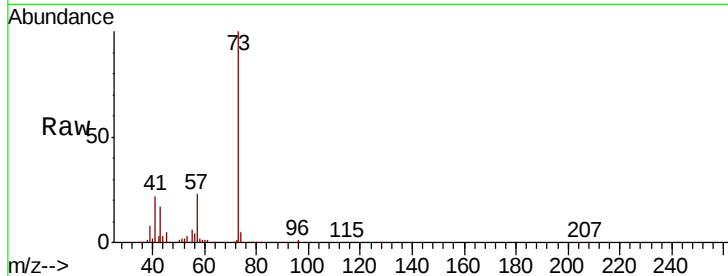
Methyl tert-butyl Ether
 Concen: 19.20 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Tot Ion	73	Resp	85276
Ion Ratio	Lower	Upper	
73	100		
57	22.5	17.1	25.7

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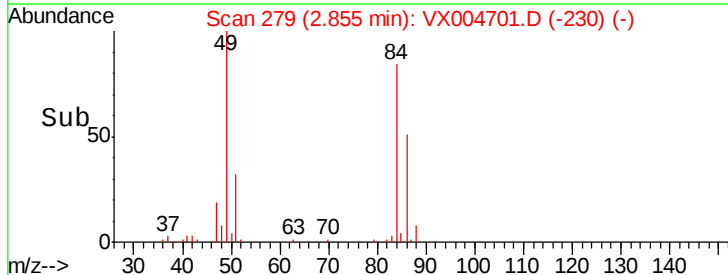
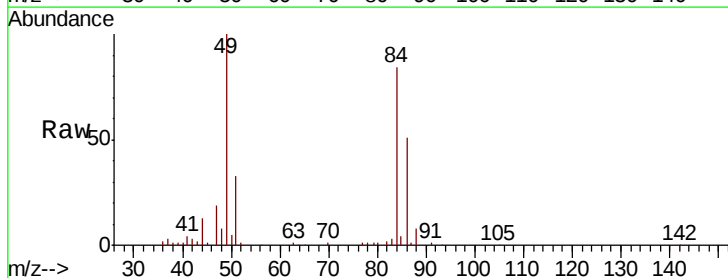
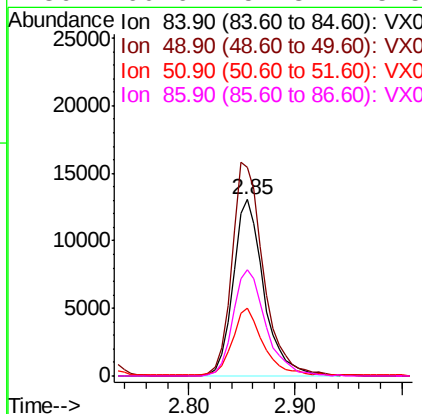
MMDadoda
 9/20/2018 1:42:36 PM

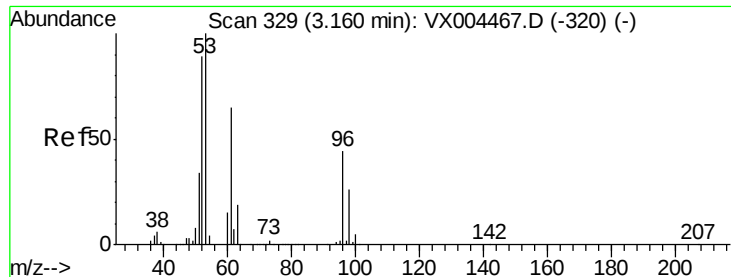


#20

Methylene Chloride
 Concen: 16.93 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	84	Resp	26484
Ion Ratio	Lower	Upper	
84	100		
49	118.5	101.2	151.8
51	38.0	29.5	44.3
86	60.6	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.07 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

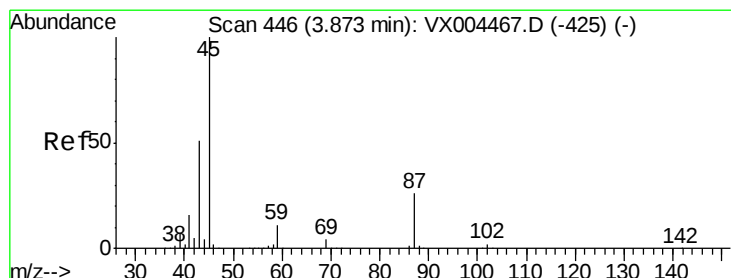
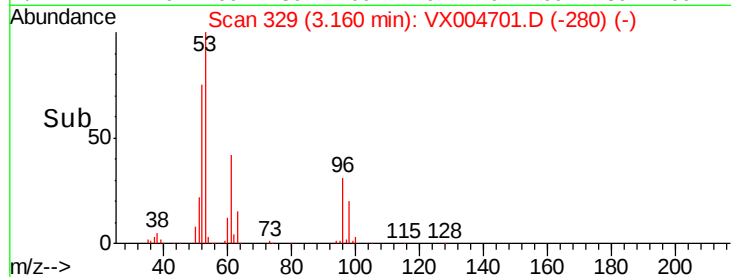
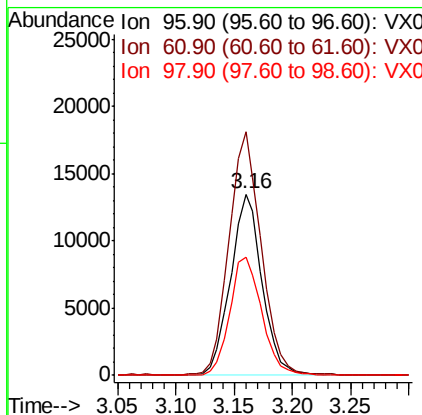
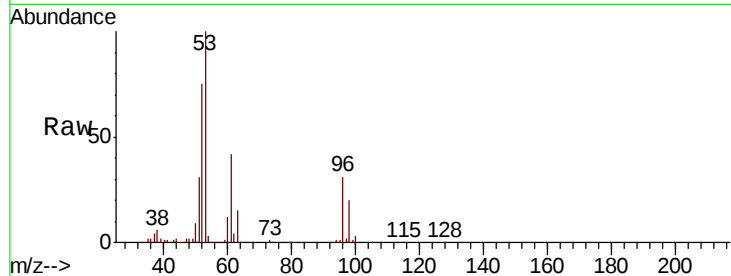
ClientSampleId :

VX0919MBSD01

Tot Ion:	96	Resp:	25274
Ion	Ratio	Lower	Upper
96	100		
61	134.0	113.8	170.6
98	65.0	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.07 ug/l

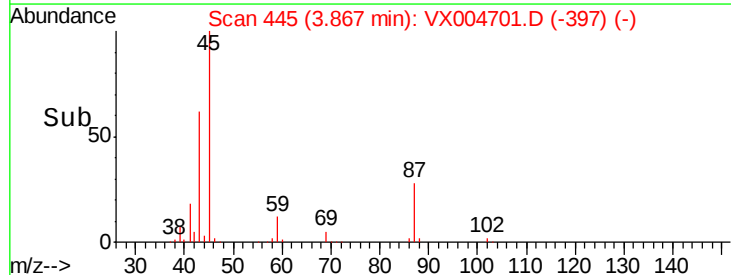
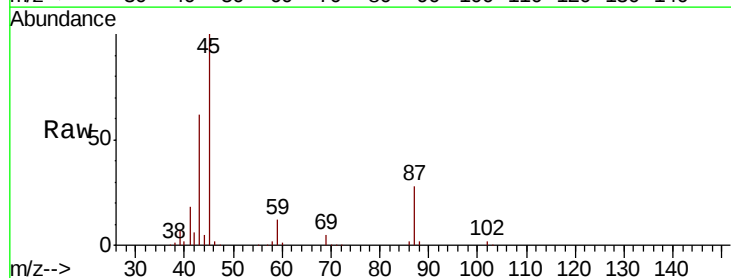
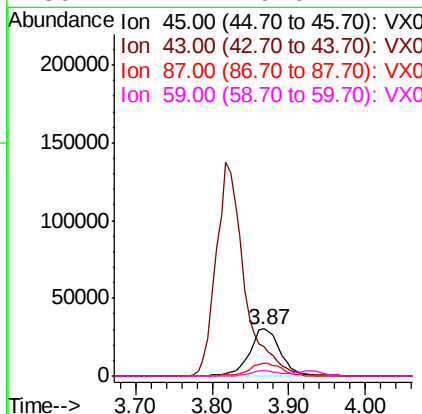
RT: 3.87 min Scan# 445

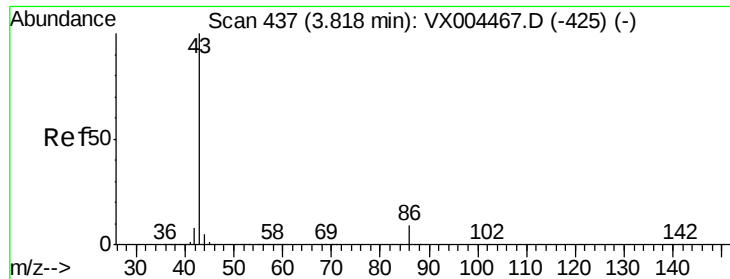
Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Tgt Ion:	45	Resp:	84688
Ion	Ratio	Lower	Upper
45	100		
43	61.3	42.8	64.2
87	28.3	22.6	34.0
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 93.30 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 43 Resp: 353873

Ion Ratio Lower Upper

43 100

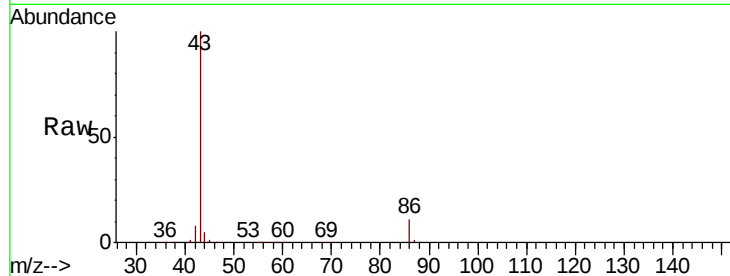
86 10.6 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

150000

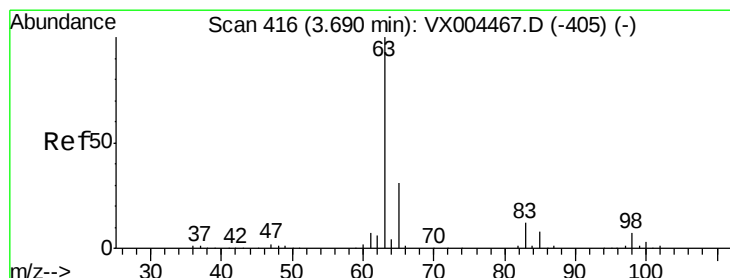
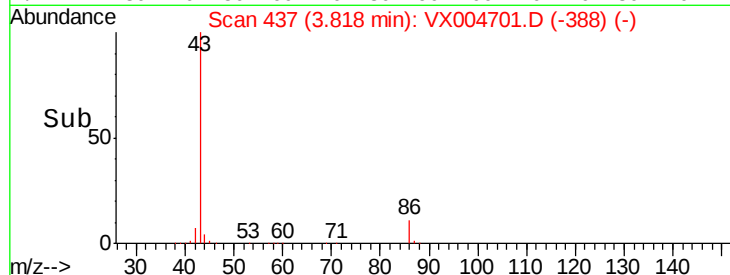
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.05 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

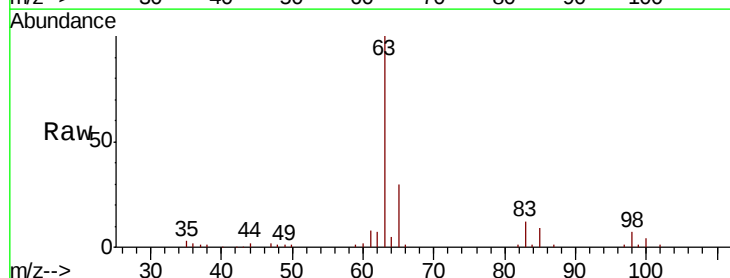
Tgt Ion: 63 Resp: 47769

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.0 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

25000

20000

15000

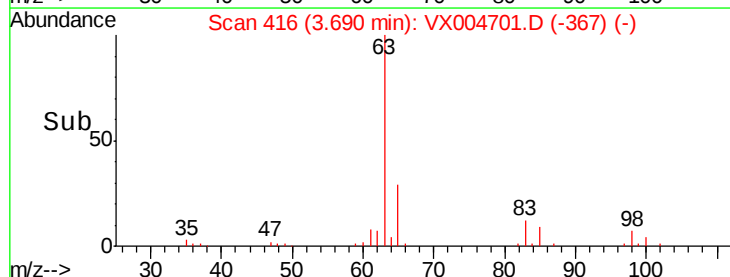
10000

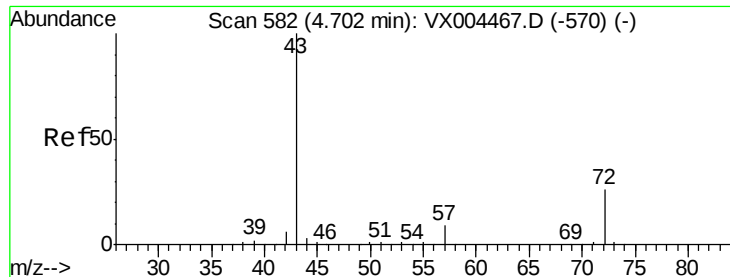
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 126.22 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 43 Resp: 153139

Ion Ratio Lower Upper

43 100

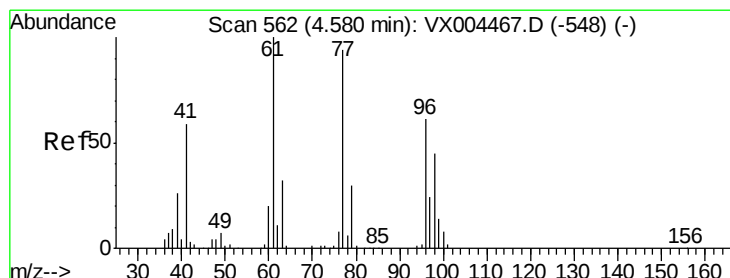
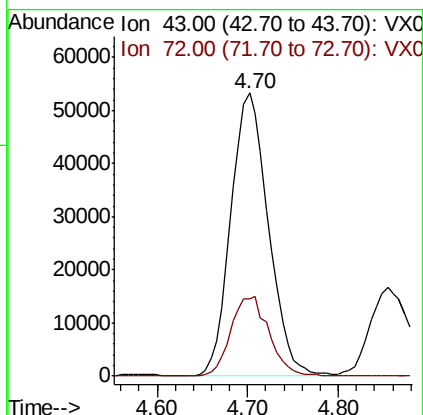
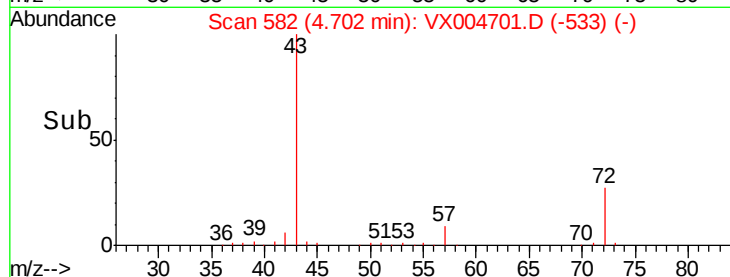
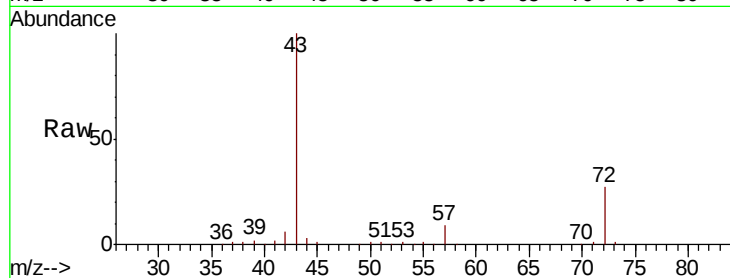
72 27.3 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 20.47 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004701.D

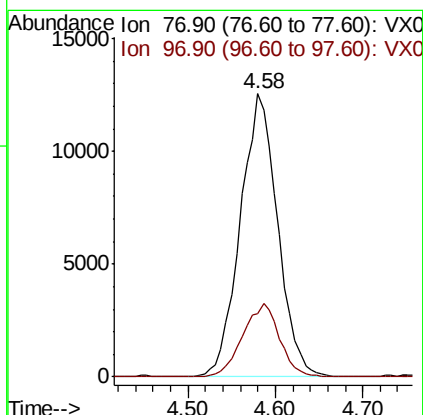
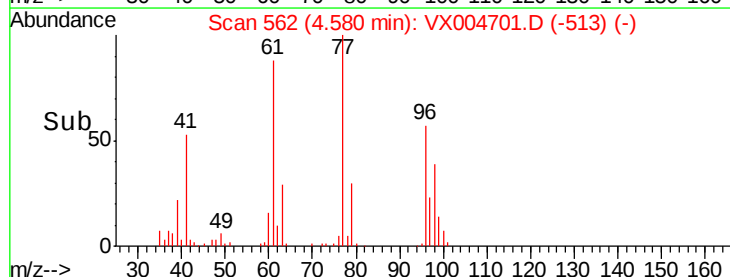
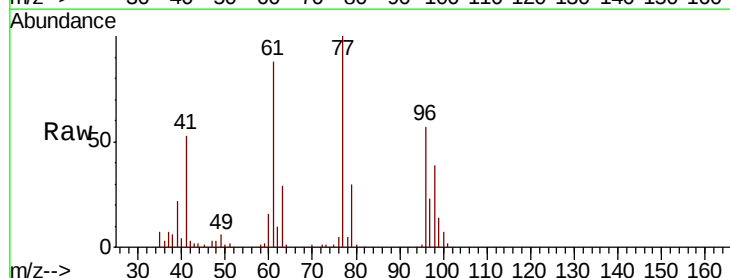
Acq: 19 Sep 2018 13:12

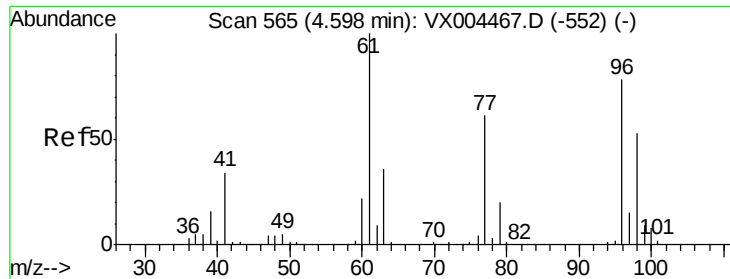
Tgt Ion: 77 Resp: 37196

Ion Ratio Lower Upper

77 100

97 25.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 18.67 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

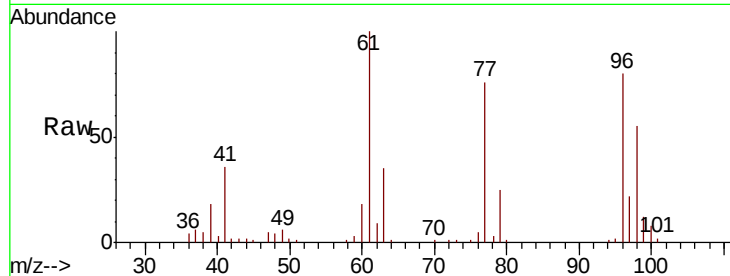
ClientSampleId :

VX0919MBSD01

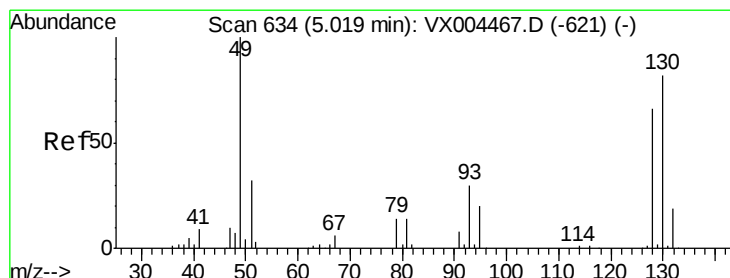
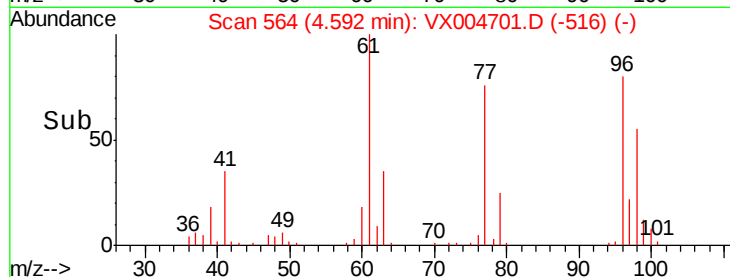
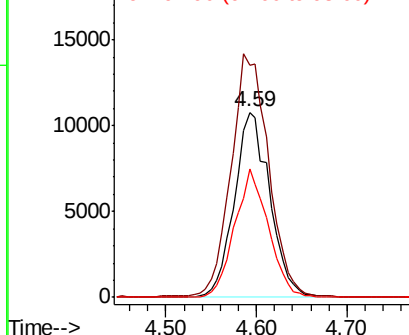
Tot Ion:	96	Resp:	29150
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	282.6
98	65.9	0.0	130.2

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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: 16.19 ug/l

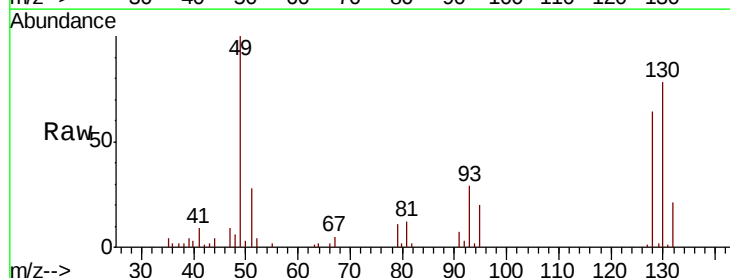
RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

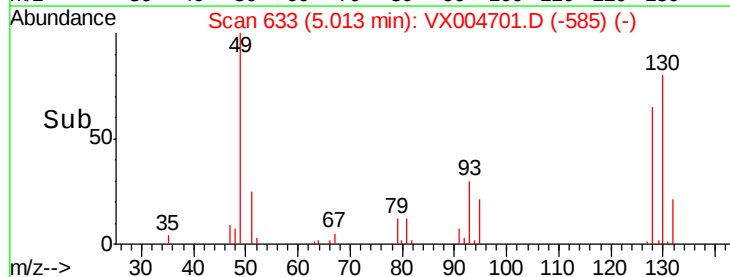
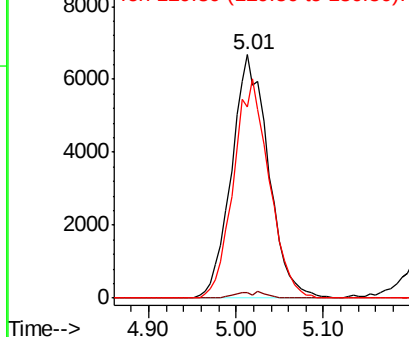
Lab File: VX004701.D

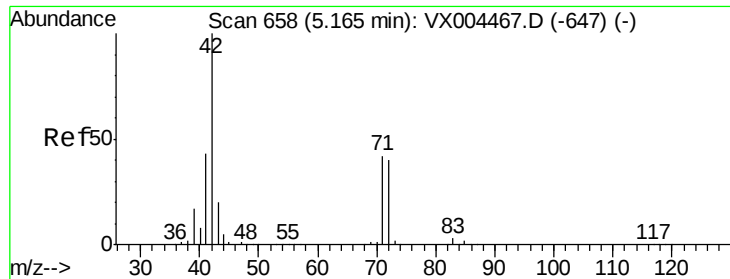
Acq: 19 Sep 2018 13:12

Tgt Ion:	49	Resp:	19598
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.2
130	86.7	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





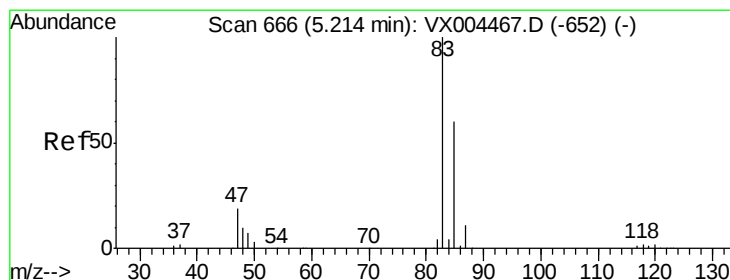
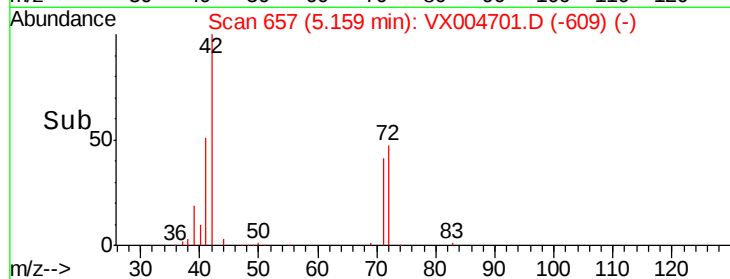
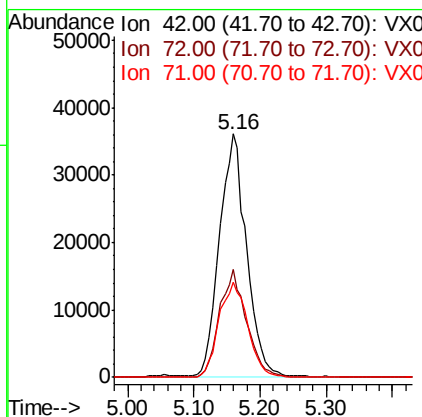
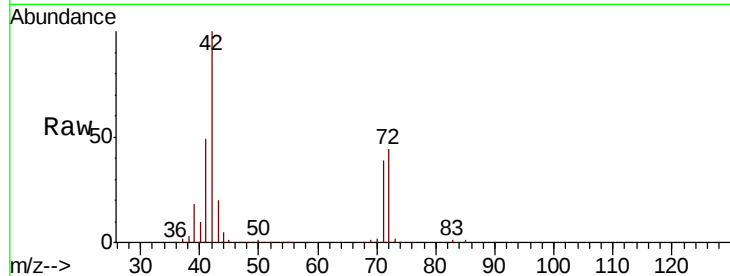
#29
Tetrahydrofuran
Concen: 139.32 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	37.4	56.0
71	41.5	34.5	51.7

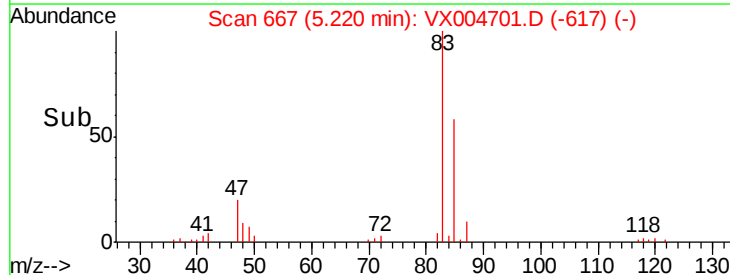
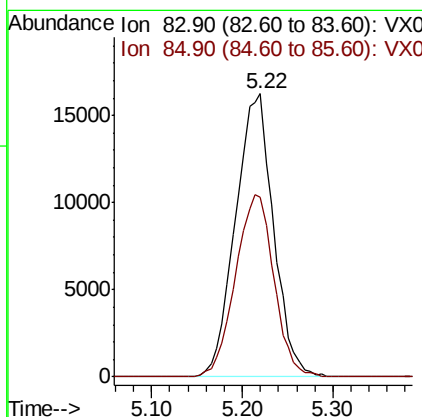
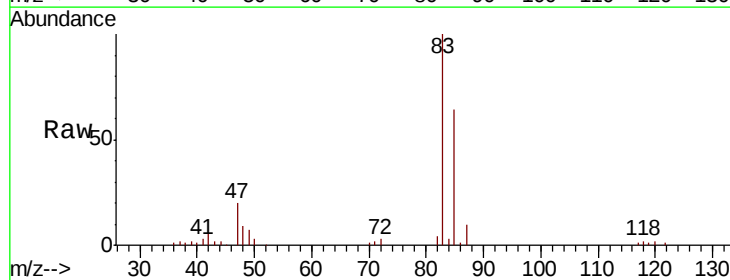
Manual Integrations
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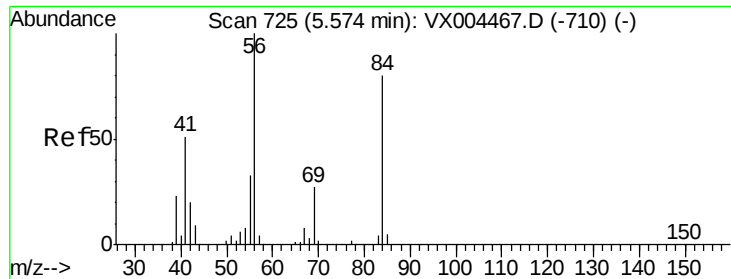
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#30
Chloroform
Concen: 18.25 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.6	79.0





#31

Cyclohexane

Concen: 21.31 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

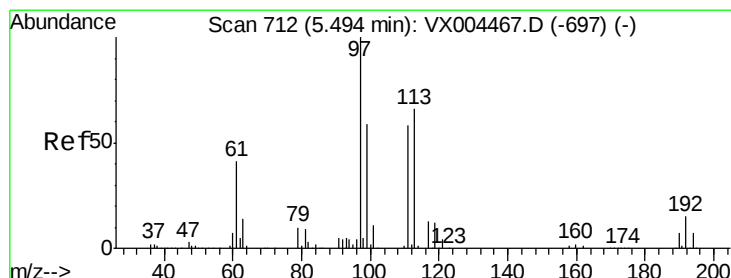
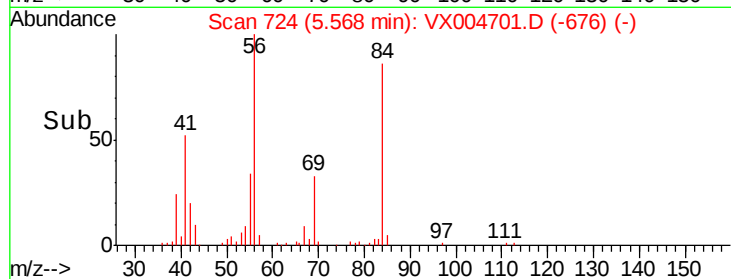
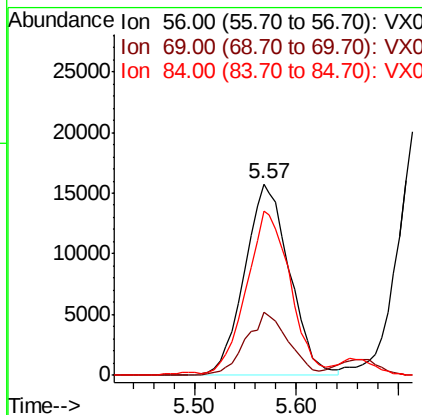
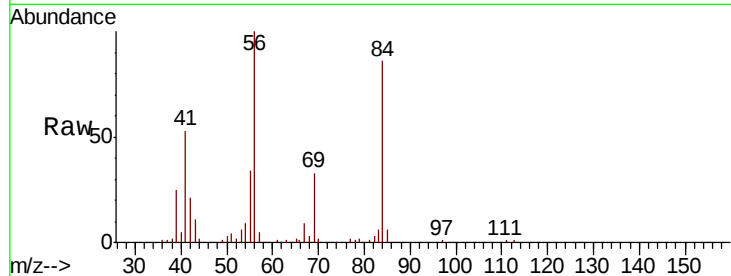
ClientSampleId :

VX0919MBS01

Tot Ion:	56	Resp:	48150
Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.4	38.2
84	84.1	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 19.27 ug/l

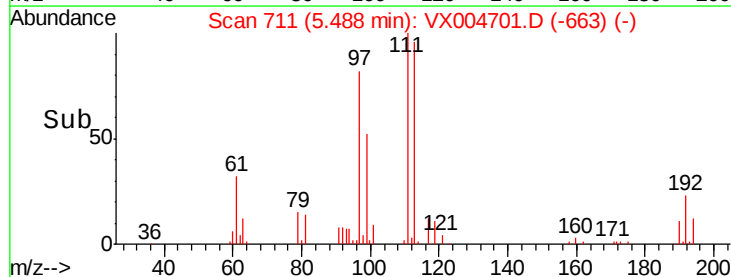
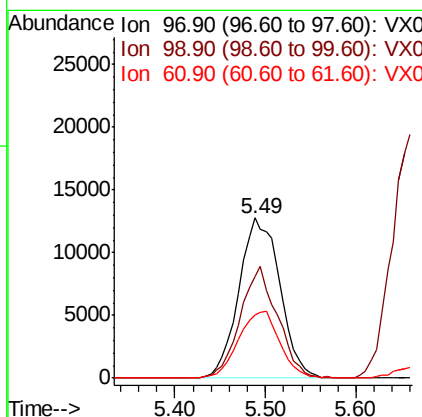
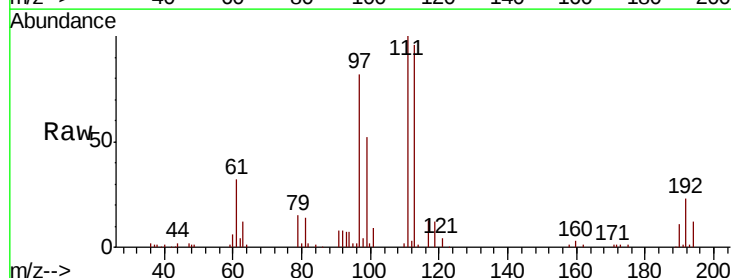
RT: 5.49 min Scan# 711

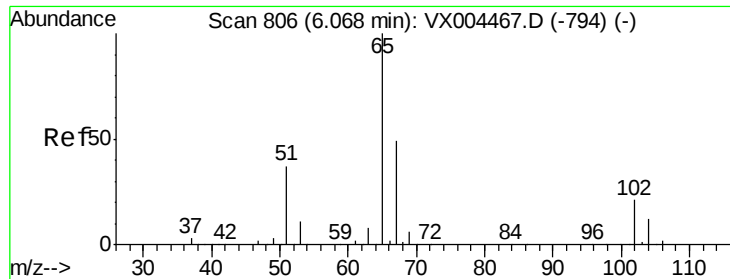
Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Tgt Ion:	97	Resp:	40084
Ion	Ratio	Lower	Upper
97	100		
99	62.9	52.0	78.0
61	41.9	34.9	52.3





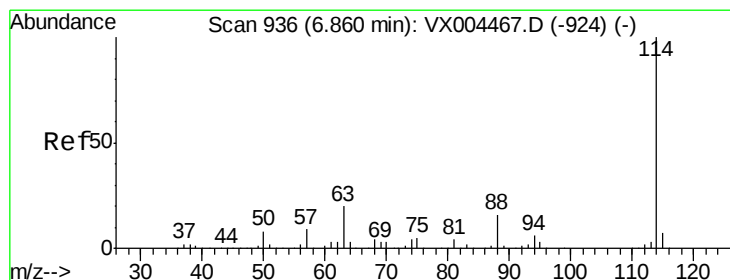
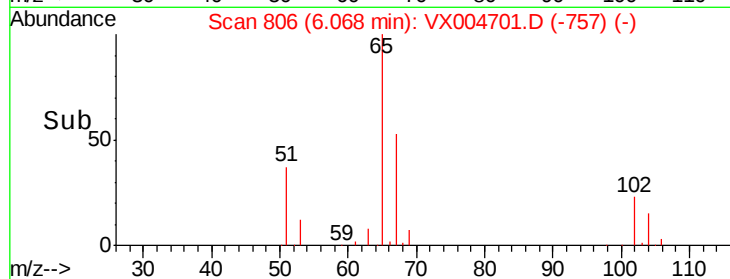
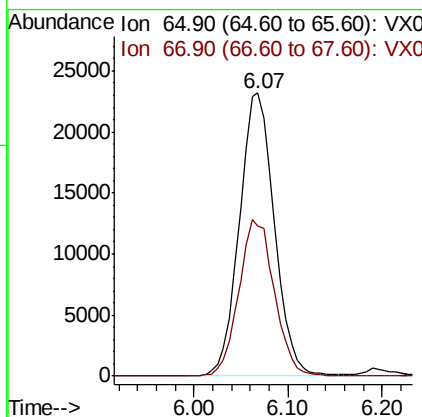
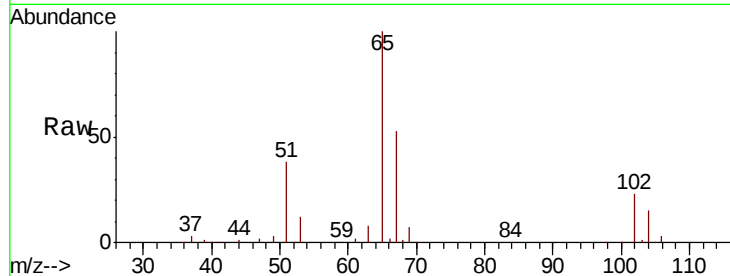
#33
 1,2-Dichloroethane-d4
 Concen: 38.67 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.1	0.0	106.8

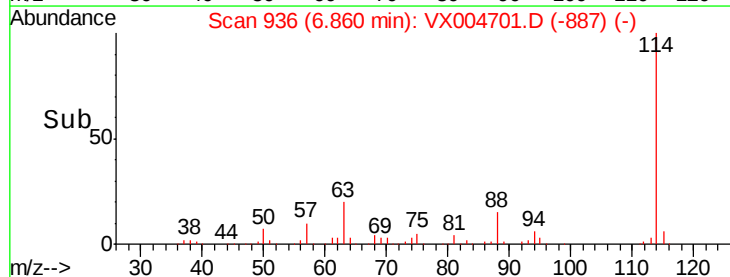
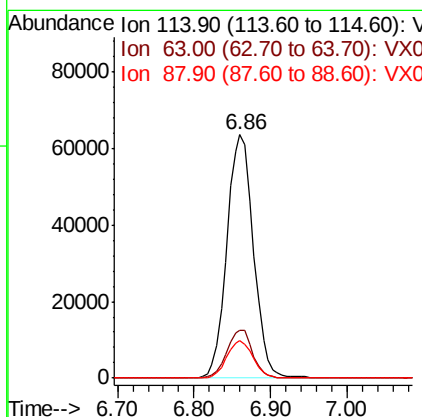
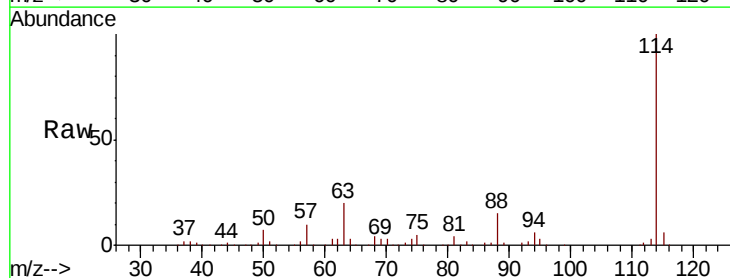
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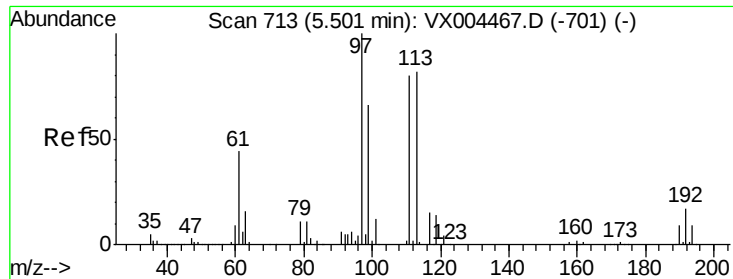
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.0
88	15.5	0.0	30.4





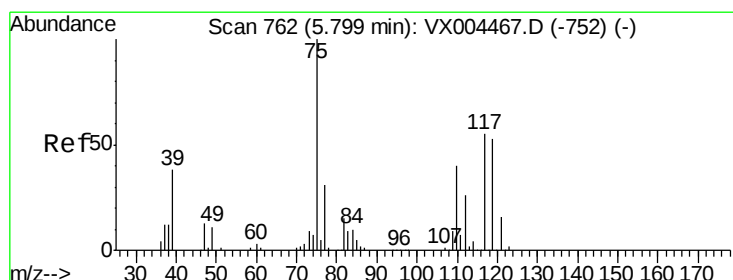
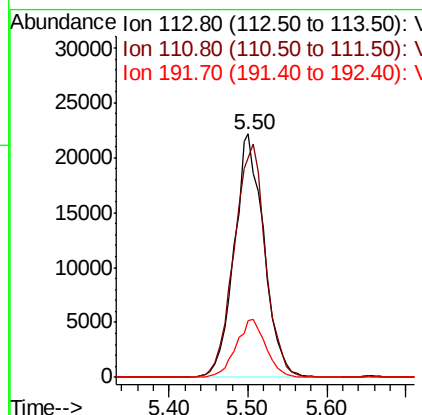
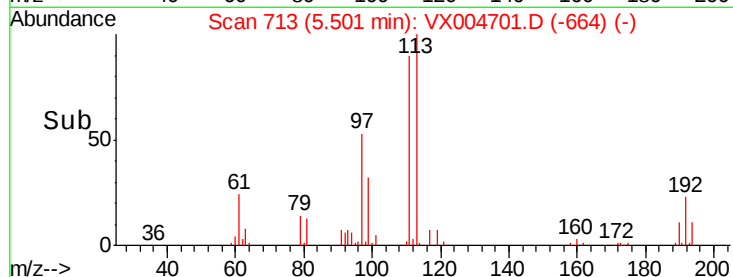
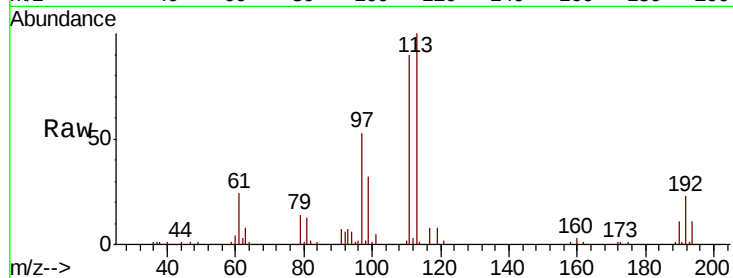
#35
 Dibromofluoromethane
 Concen: 41.55 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.4	123.6
192	23.7	19.4	29.2

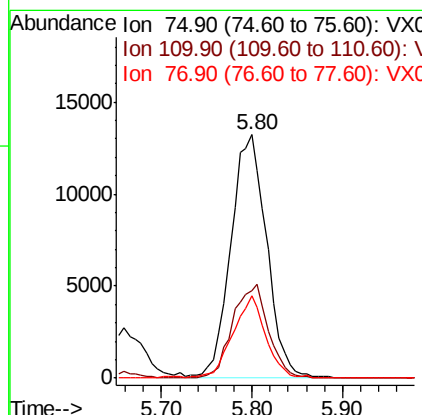
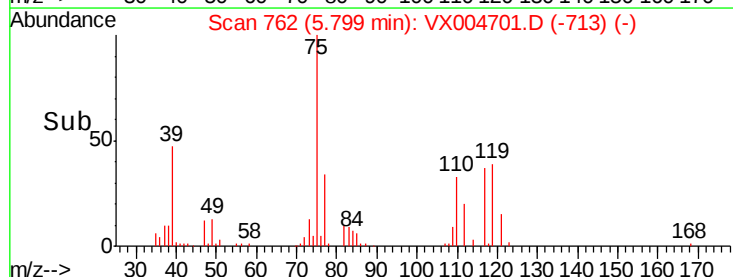
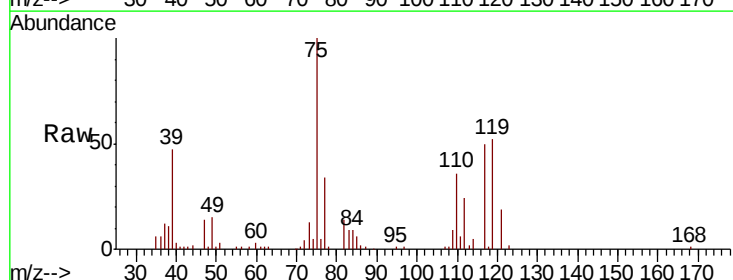
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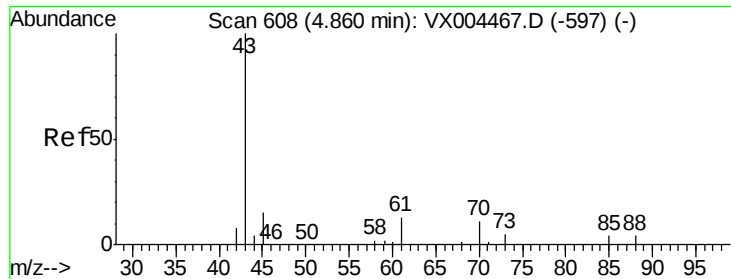
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#36
 1,1-Dichloropropene
 Concen: 19.59 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	18.0	54.0
77	30.9	24.6	36.8





#37

Ethyl Acetate

Concen: 23.64 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

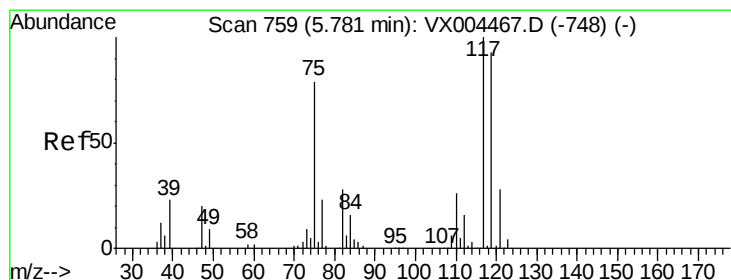
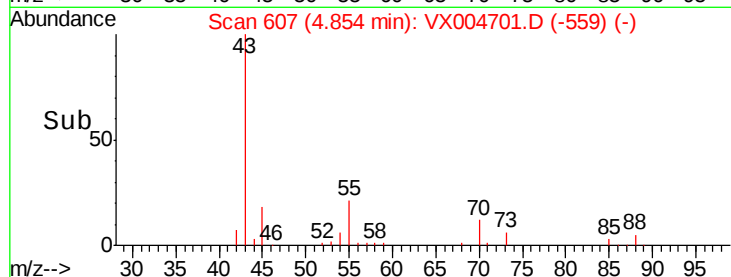
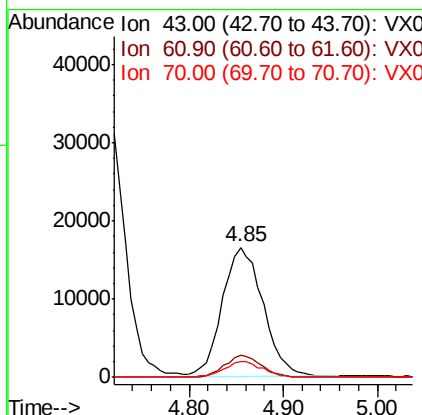
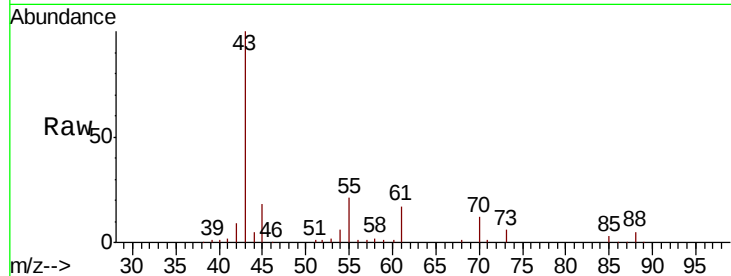
ClientSampleId :

VX0919MBSD01

Tot Ion:	43	Resp:	49790
Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.5	17.3
70	11.4	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.74 ug/l

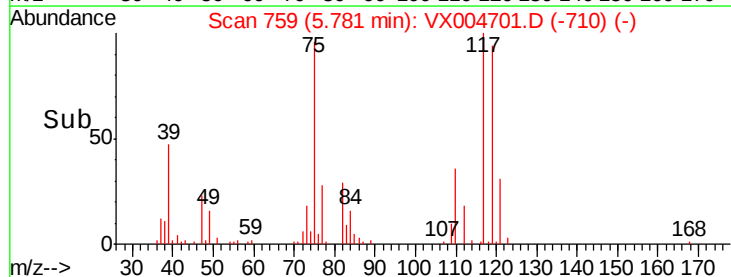
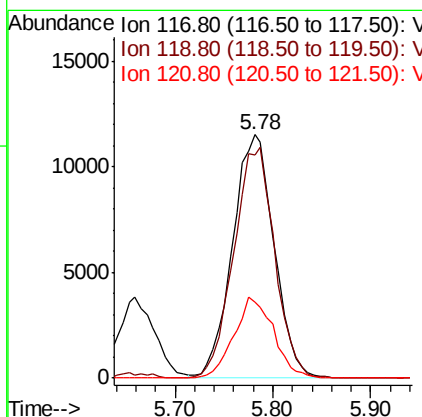
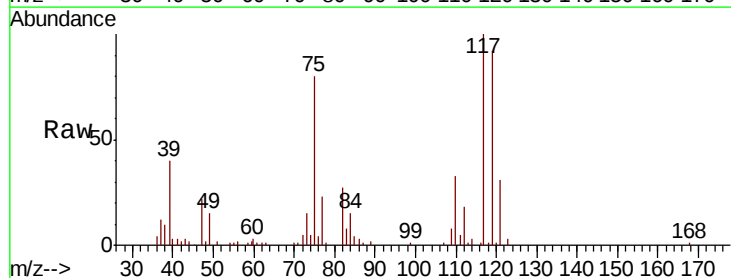
RT: 5.78 min Scan# 759

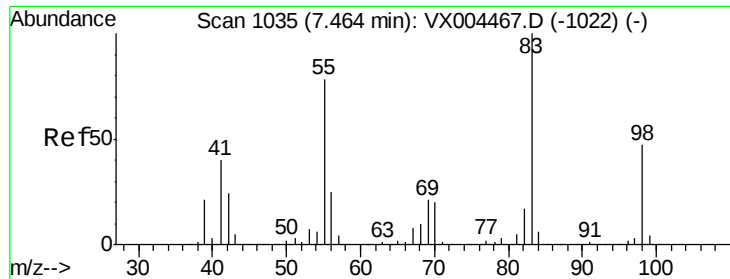
Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Tgt Ion:	117	Resp:	33893
Ion	Ratio	Lower	Upper
117	100		
119	91.7	78.8	118.2
121	31.4	24.9	37.3





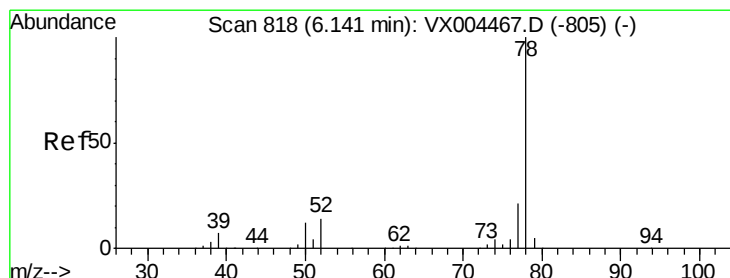
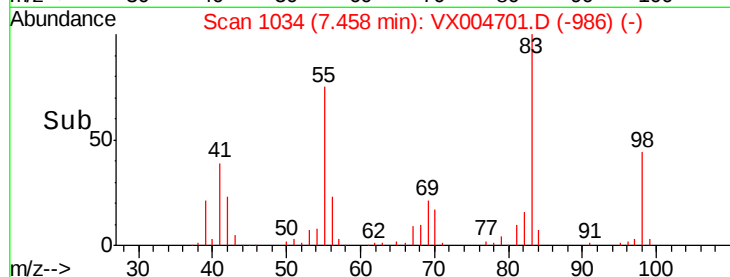
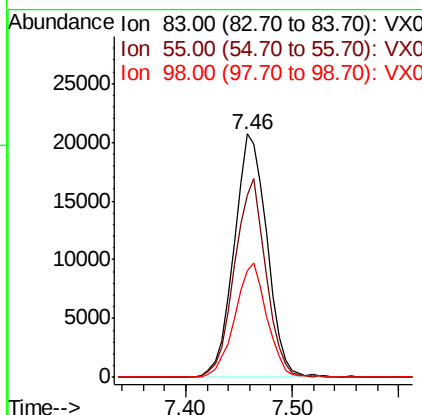
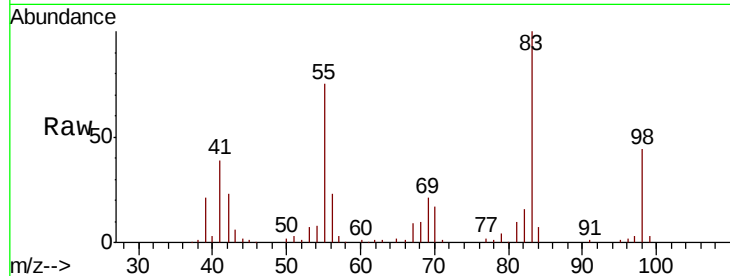
#39
Methvlcvclohexane
Concen: 23.32 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	61.0	91.4
98	43.9	39.6	59.4

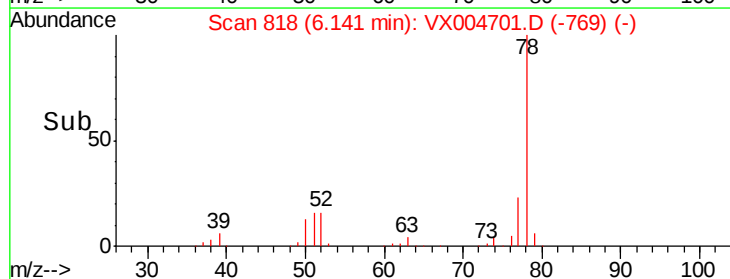
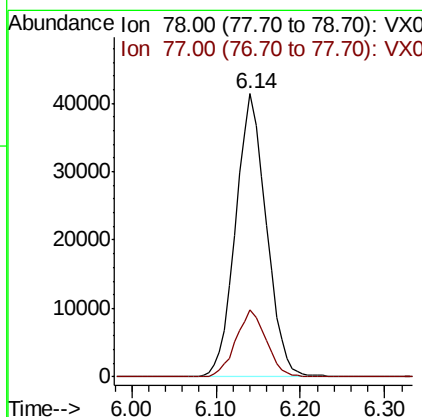
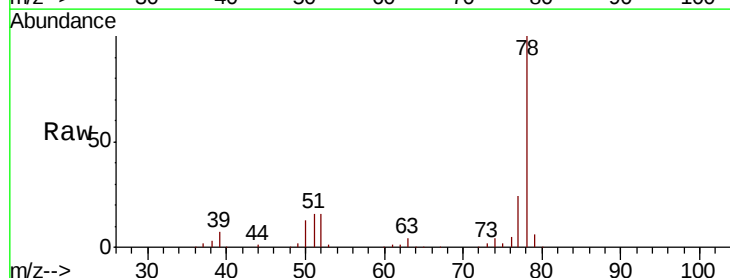
Manual Integrations
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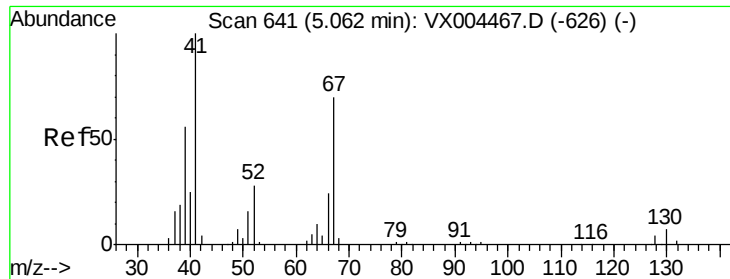
MMDadoda
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#40
Benzene
Concen: 18.54 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





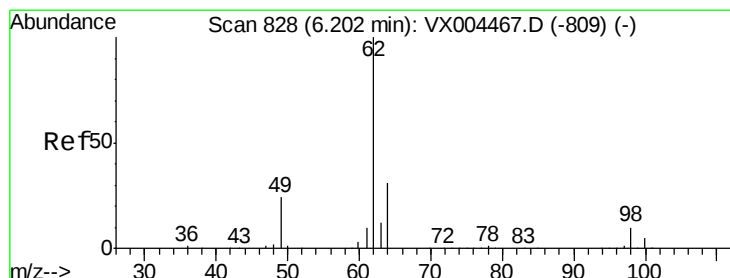
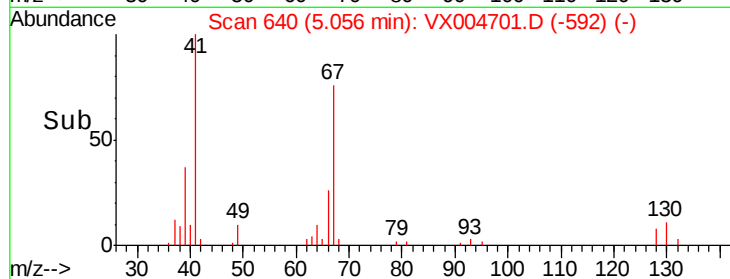
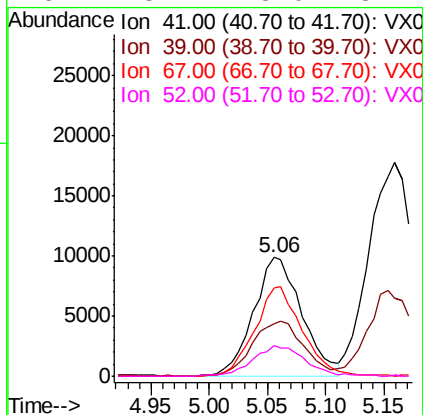
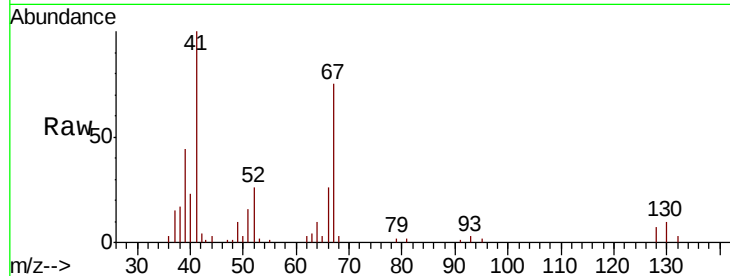
#41
Methacrylonitrile
Concen: 24.48 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.2	42.4	63.6	
67	73.7	59.2	88.8	
52	28.1	23.0	34.4	

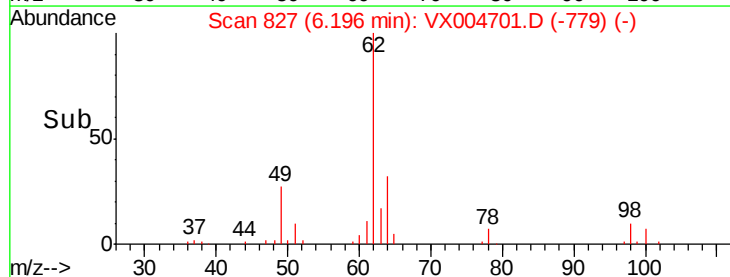
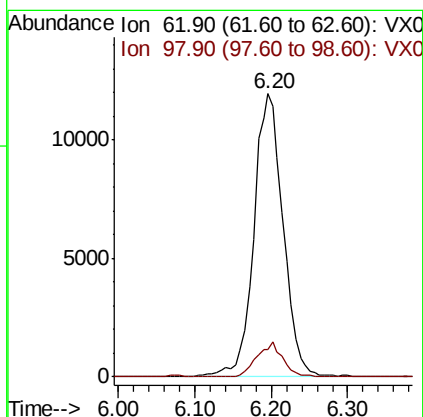
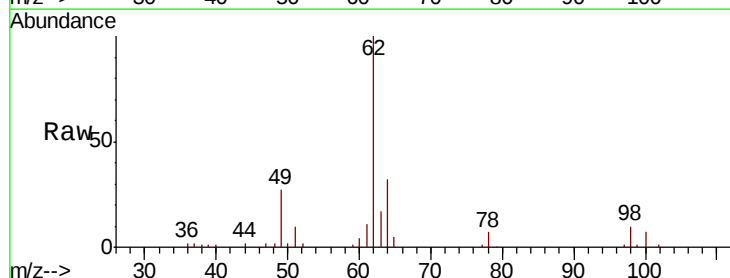
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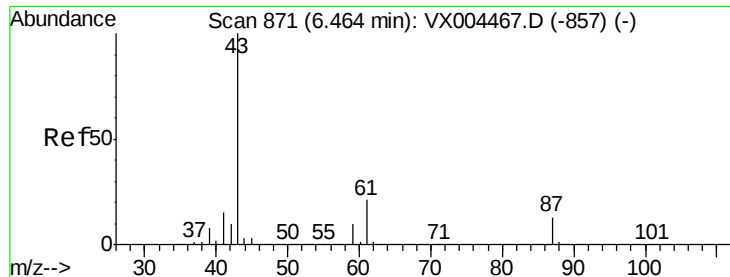
MMDadoda
9/20/2018 1:42:36 PM



#42
1,2-Dichloroethane
Concen: 17.44 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	20.6	





#43

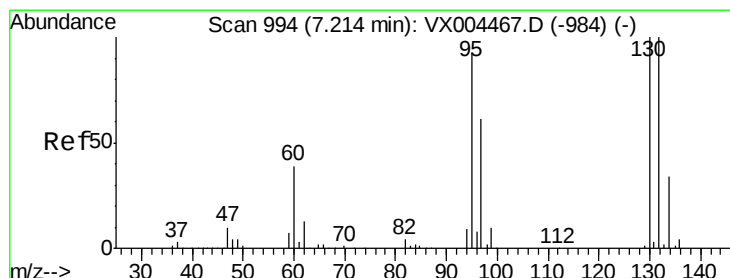
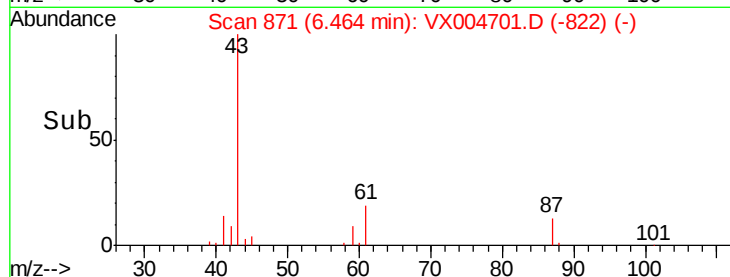
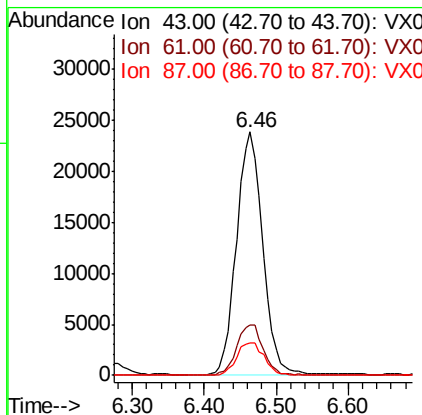
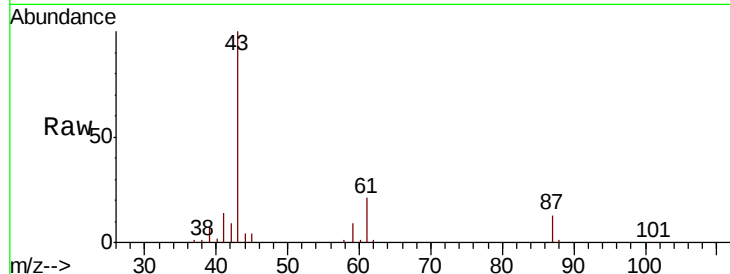
Isopropyl Acetate
 Concen: 21.77 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	43	61	87
Resp:	60888		
Ratio	100	20.8	13.9
Lower		17.0	11.4
Upper		25.4	17.2

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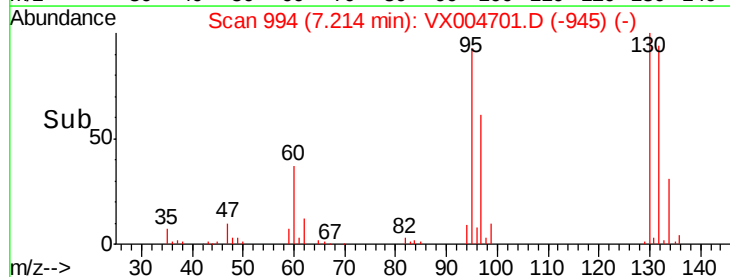
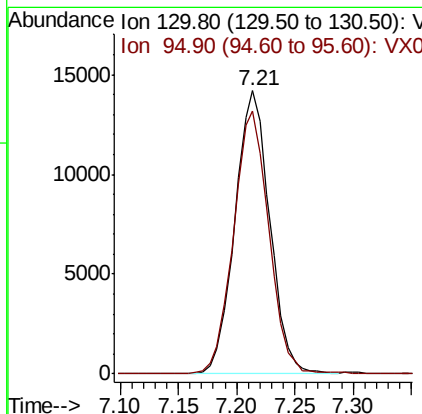
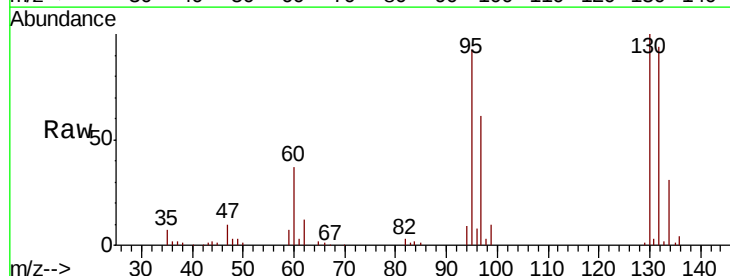
MMDadoda
 9/20/2018 1:42:36 PM

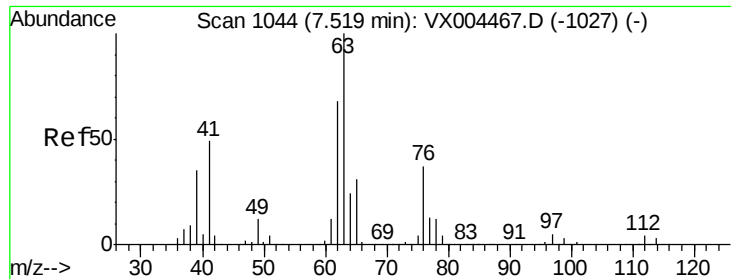


#44

Trichloroethene
 Concen: 20.72 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	130	95
Resp:	29574	
Ratio	100	92.9
Lower		0.0
Upper		181.6





#45

1,2-Dichloropropane

Concen: 19.43 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 63 Resp: 25687

Ion Ratio Lower Upper

63 100

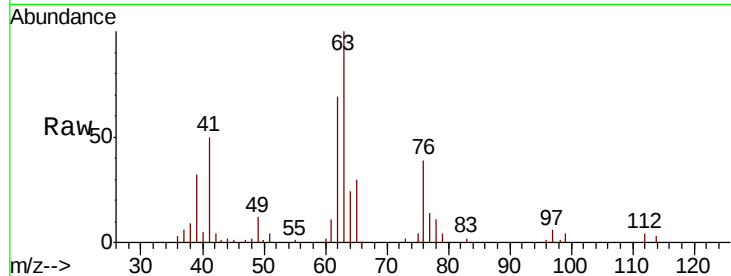
65 30.1 24.3 36.5

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

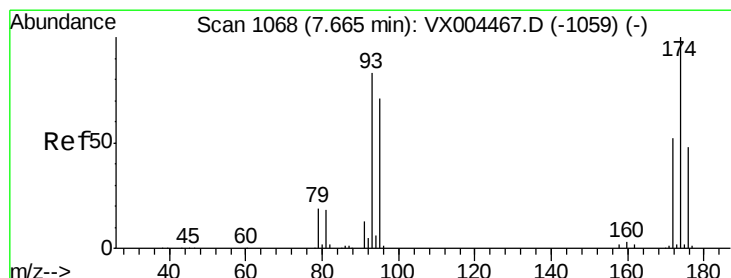
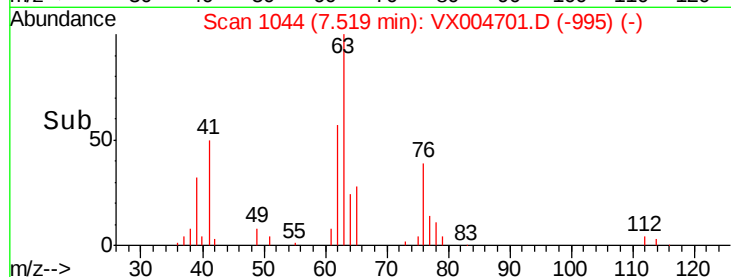
7.52

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 18.45 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

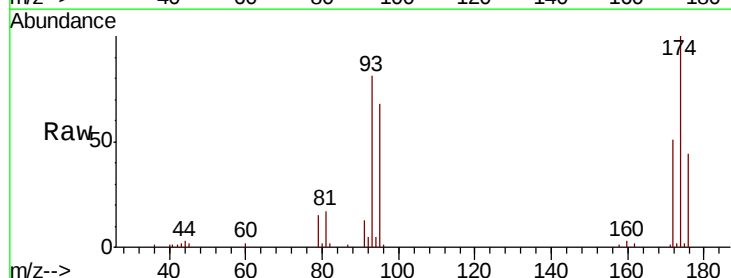
Tgt Ion: 93 Resp: 15412

Ion Ratio Lower Upper

93 100

95 84.3 65.5 98.3

174 122.2 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

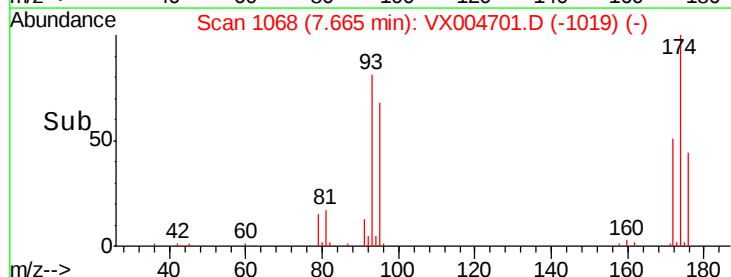
7.66

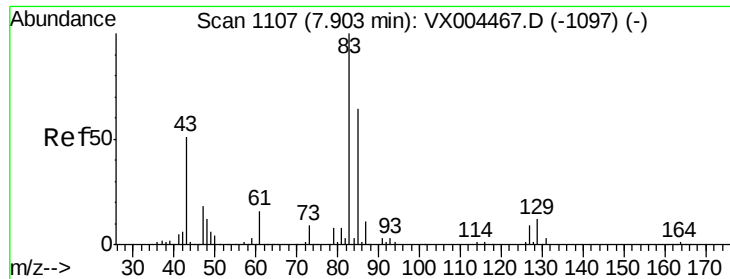
10000

5000

0

Time-->





#47

Bromodichloromethane

Concen: 17.56 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

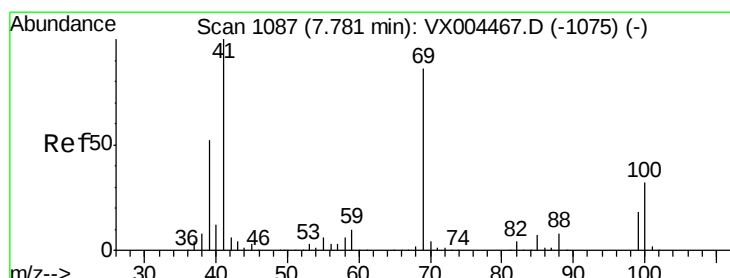
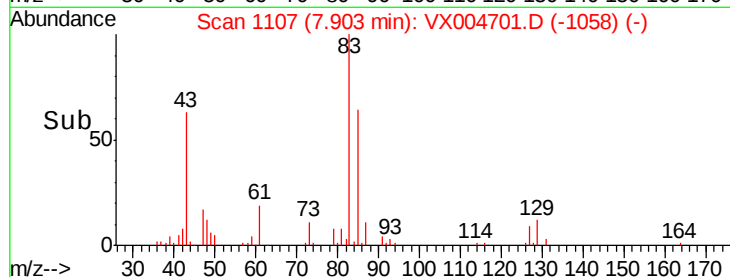
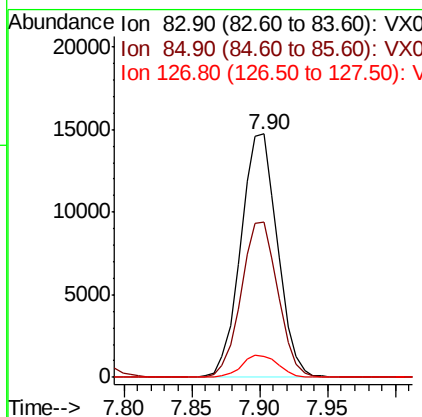
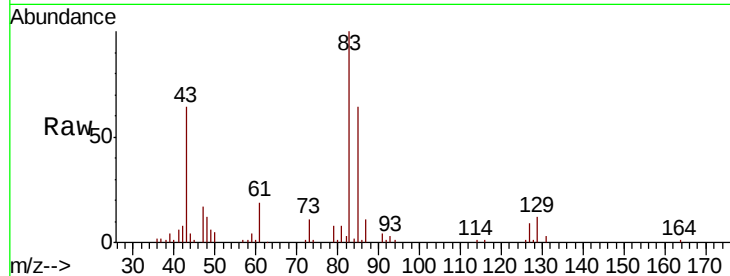
ClientSampleId :

VX0919MBSD01

Tot Ion:	83	Resp:	27739
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.8	7.3	10.9

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



#48

Methyl methacrylate

Concen: 21.44 ug/l

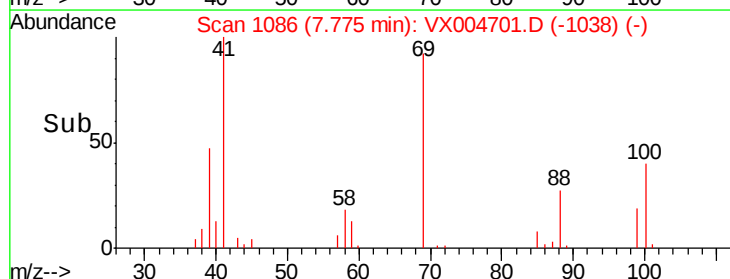
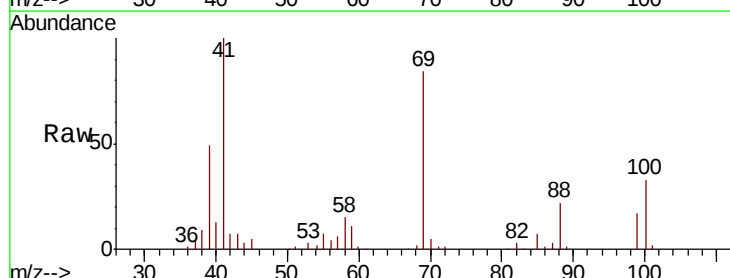
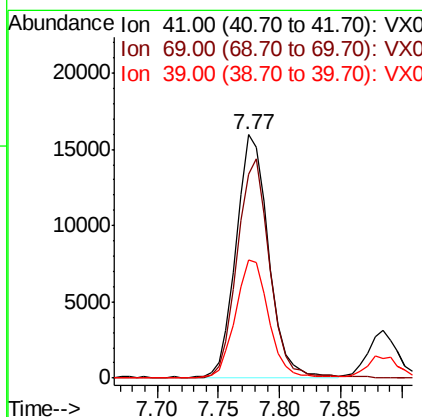
RT: 7.77 min Scan# 1086

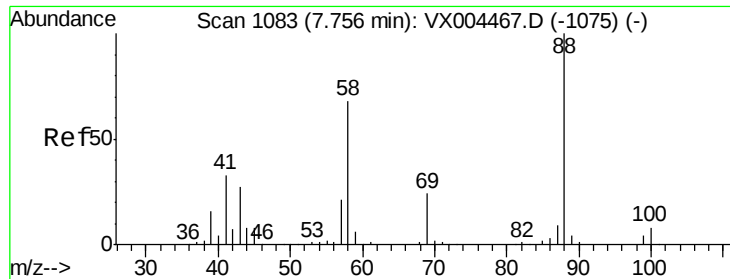
Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Tgt Ion:	41	Resp:	29679
Ion	Ratio	Lower	Upper
41	100		
69	89.2	70.2	105.4
39	49.2	42.7	64.1





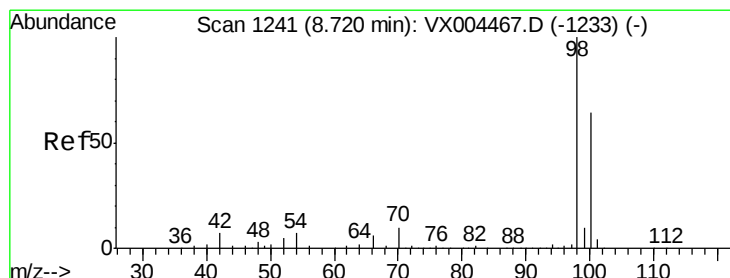
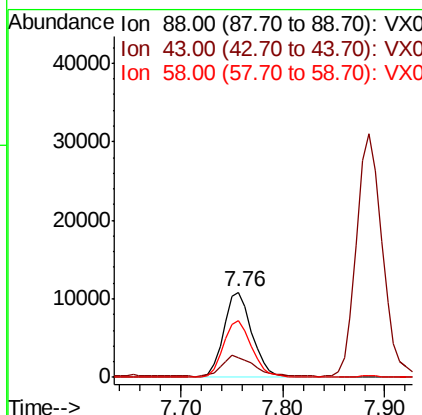
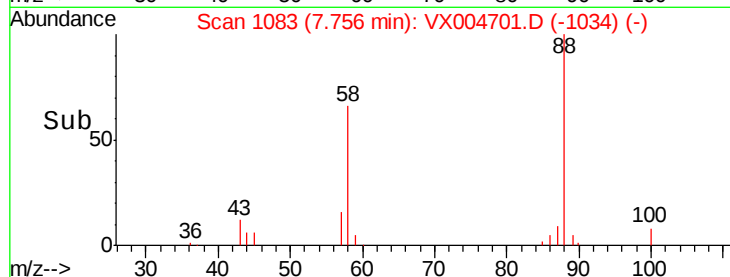
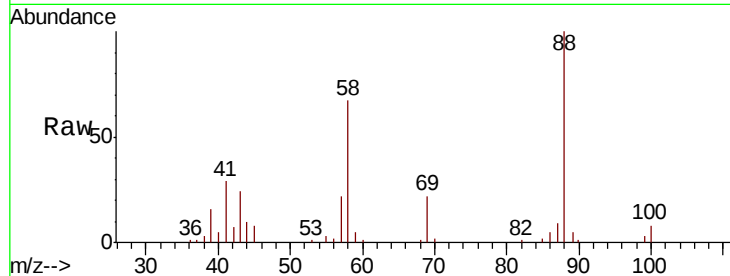
#49
1,4-Dioxane
Concen: 632.72 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.4	24.7	37.1
58	67.1	55.3	82.9

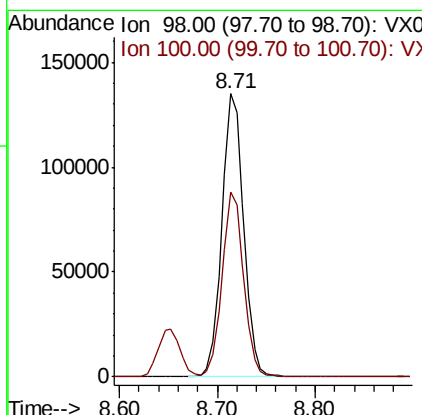
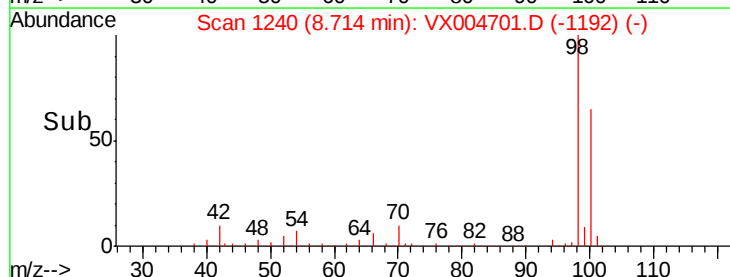
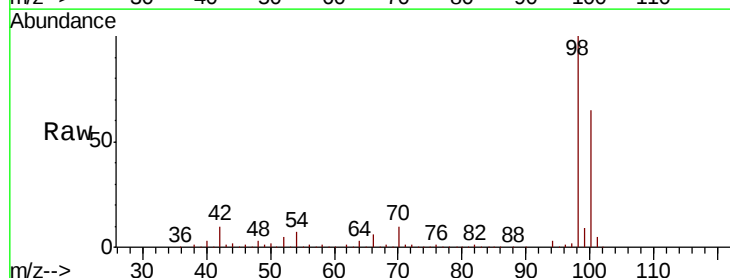
Manual Integrations
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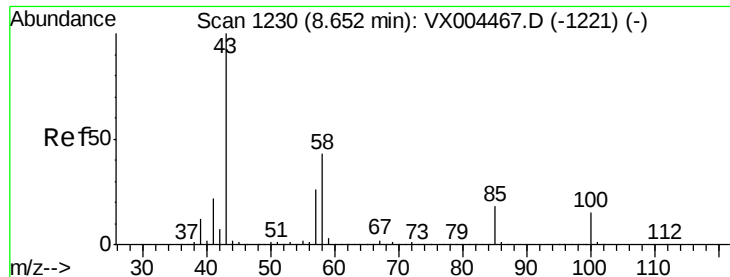
MMDadoda
9/20/2018 1:42:36 PM



#50
Toluene-d8
Concen: 44.43 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.9	79.3





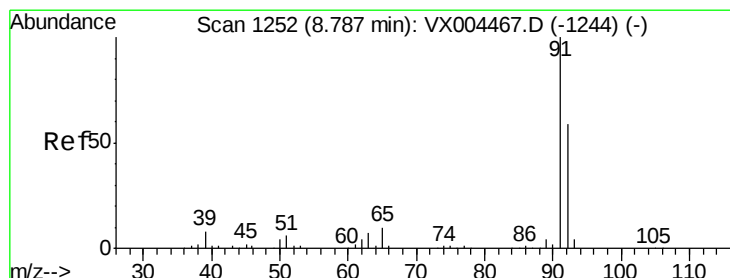
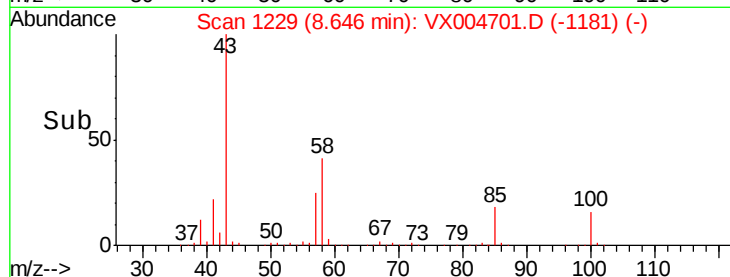
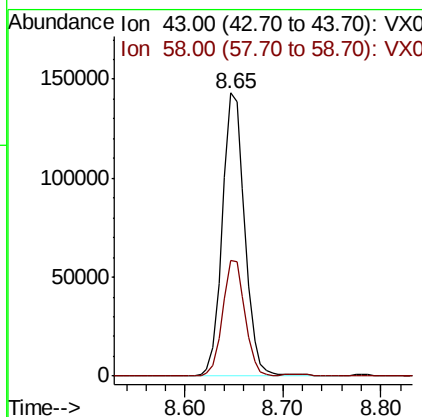
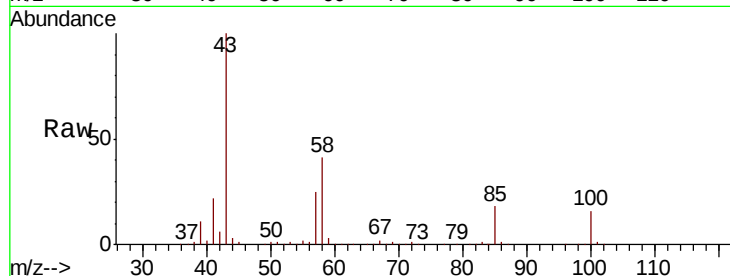
#51
4-Methyl-2-Pentanone
Concen: 115.42 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	33.1	49.7

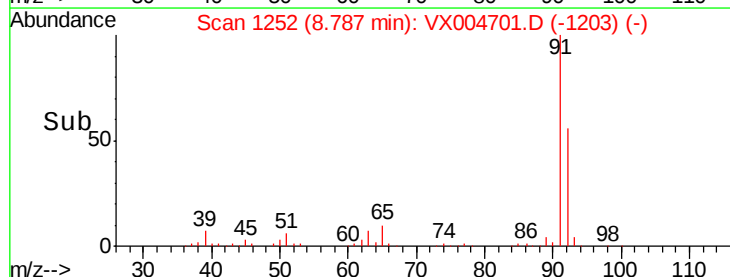
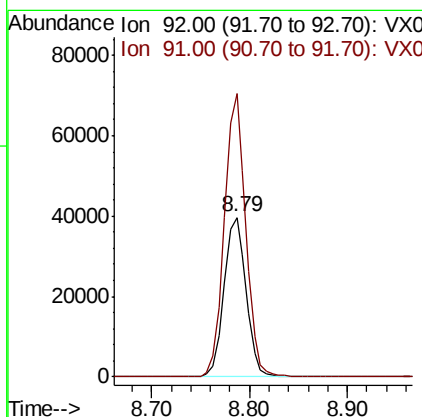
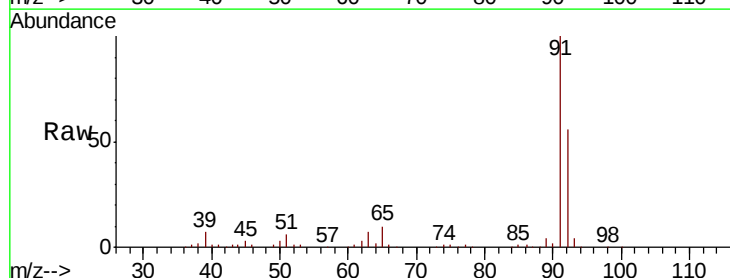
Manual Integrations
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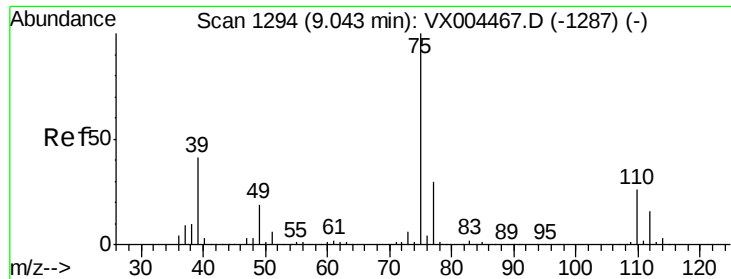
MMDadoda
9/20/2018 1:42:36 PM



#52
Toluene
Concen: 19.13 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.4	204.6





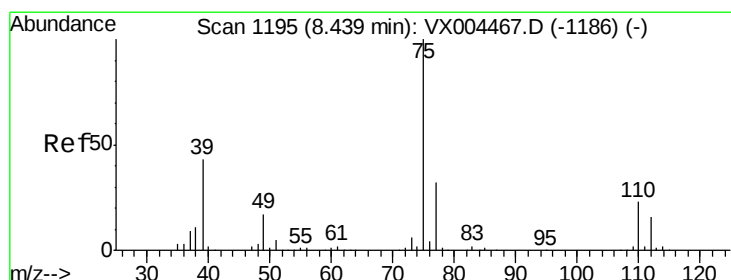
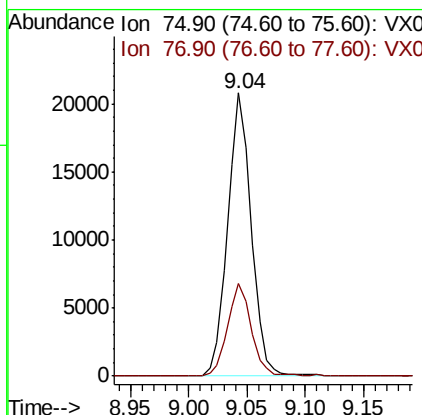
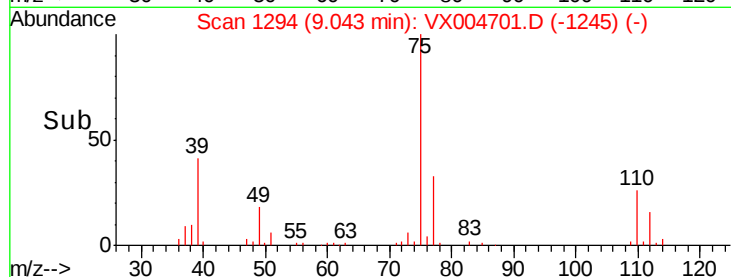
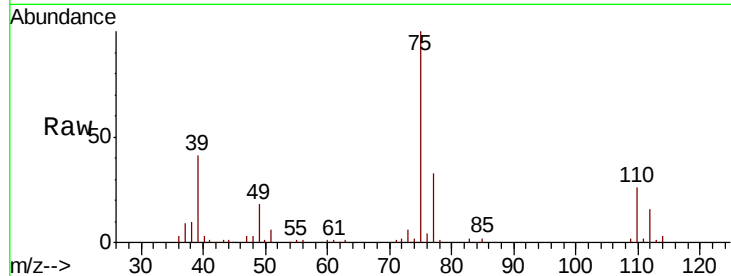
#53
t-1,3-Dichloropropene
Concen: 15.85 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion: 75 Resp: 29244
Ion Ratio Lower Upper
75 100
77 32.6 24.6 37.0

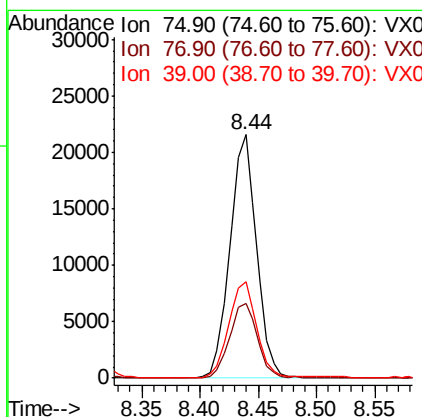
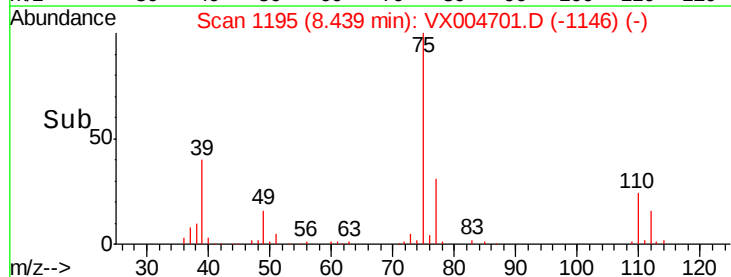
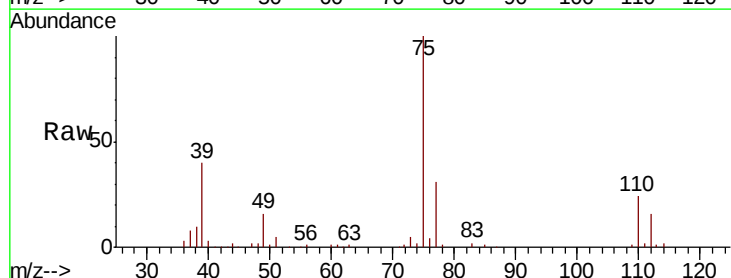
Manual Integrations
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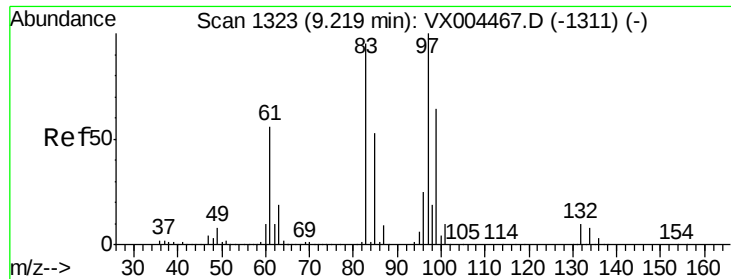
MMDadoda
9/20/2018 1:42:36 PM



#54
cis-1,3-Dichloropropene
Concen: 18.25 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 75 Resp: 34319
Ion Ratio Lower Upper
75 100
77 30.9 26.2 39.2
39 39.2 36.4 54.6





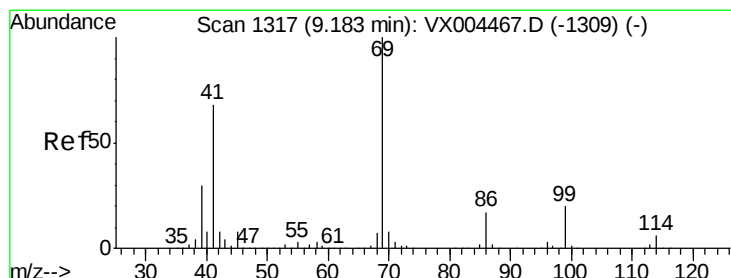
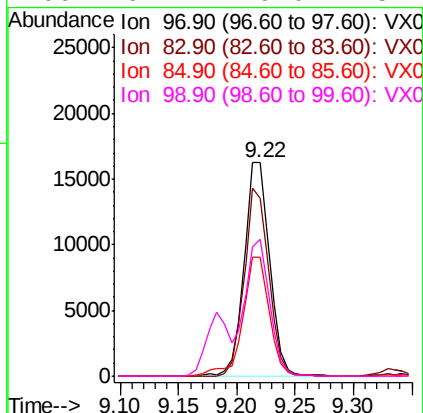
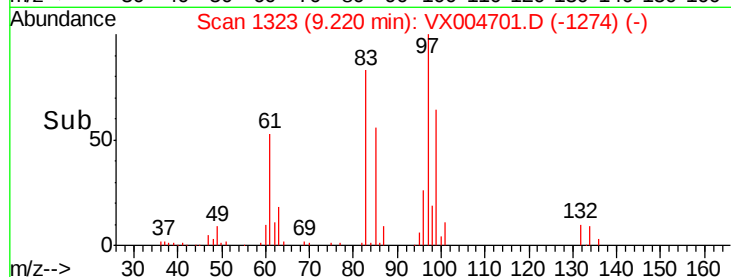
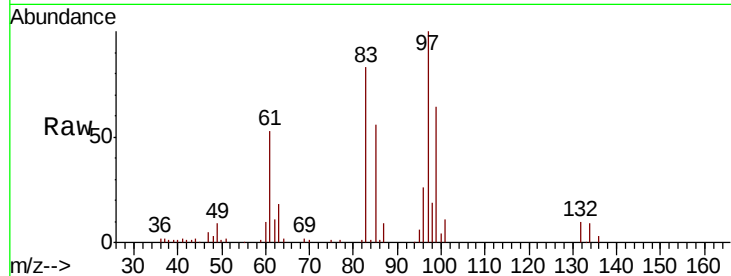
#55
 1,1,2-Trichloroethane
 Concen: 17.95 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion:	97	Resp:	25017
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.4	99.6
85	56.0	43.3	64.9
99	64.1	49.0	73.4

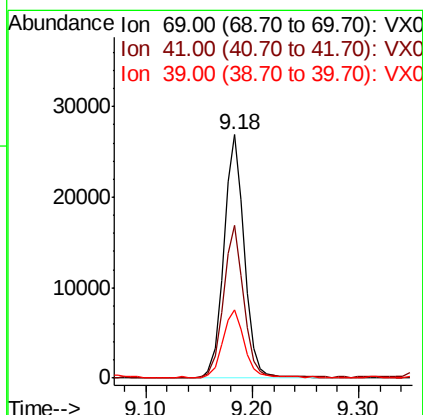
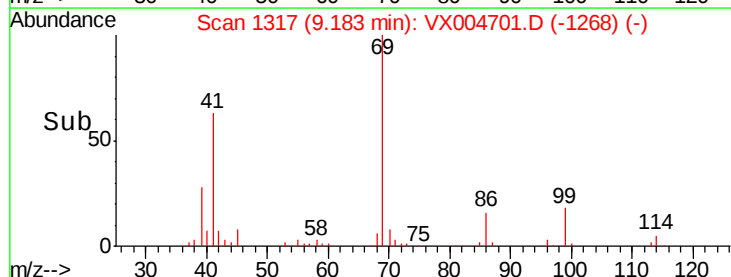
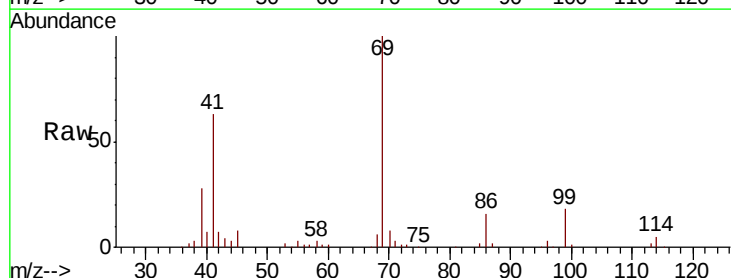
Manual Integrations
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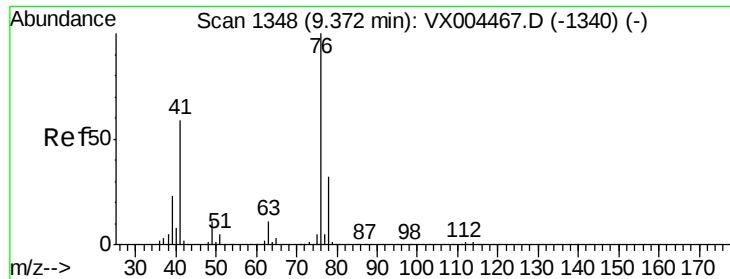
MMDadoda
 9/20/2018 1:42:36 PM



#56
 Ethyl methacrylate
 Concen: 18.41 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Tgt Ion:	69	Resp:	36300
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.0	76.4
39	29.0	26.1	39.1





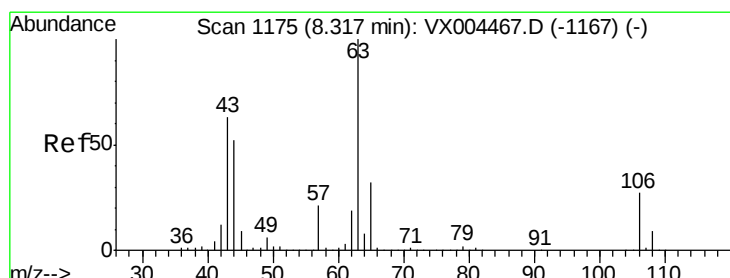
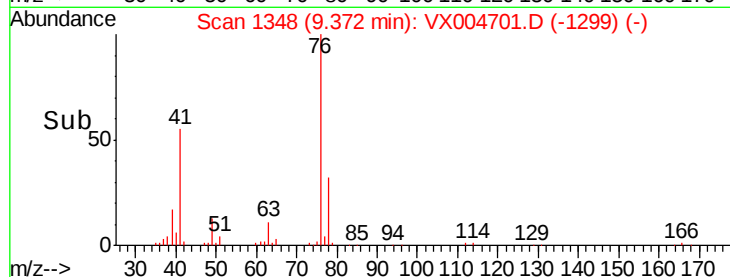
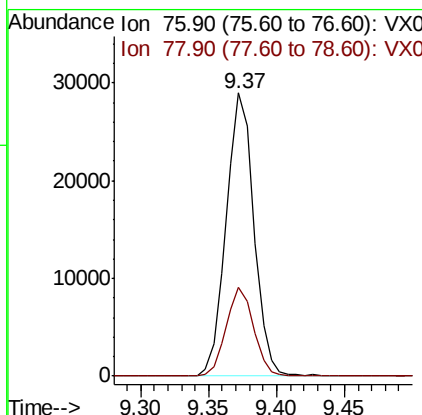
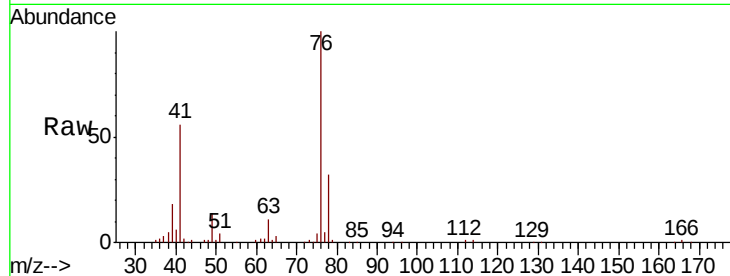
#57
 1,3-Dichloropropane
 Concen: 18.16 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Tot Ion: 76 Resp: 41124
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.5 38.3

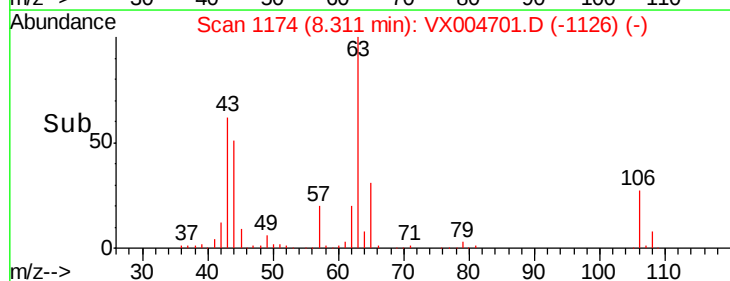
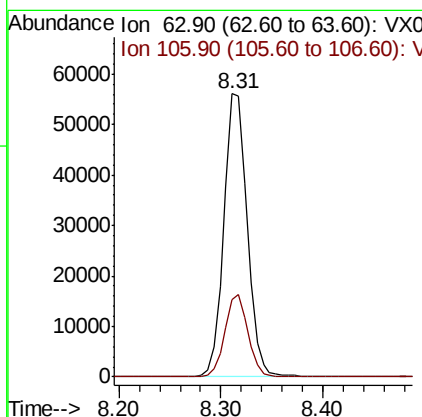
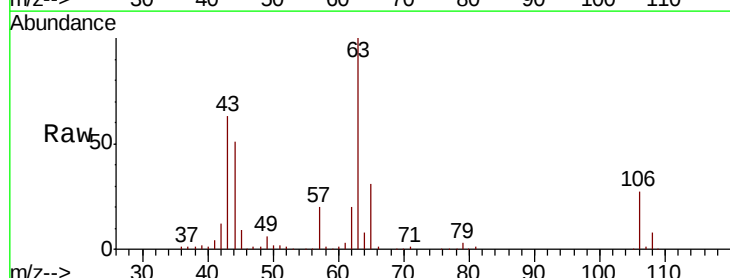
Manual Integrations
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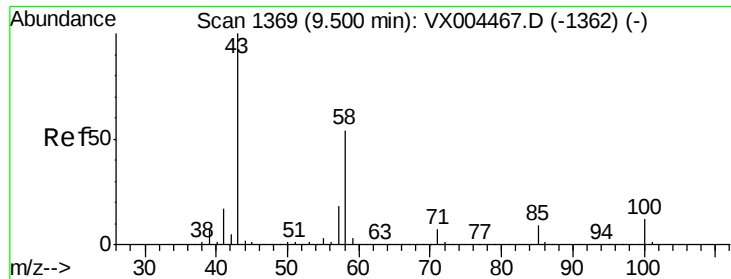
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 93.66 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Tgt Ion: 63 Resp: 89388
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.9 35.9





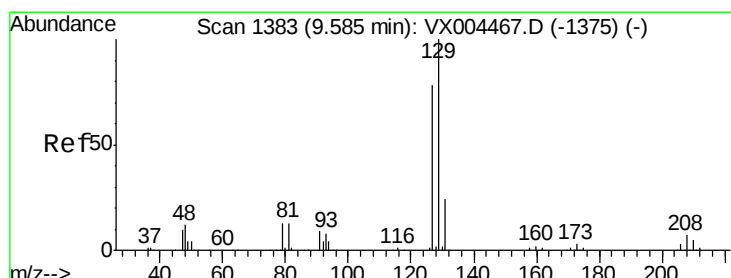
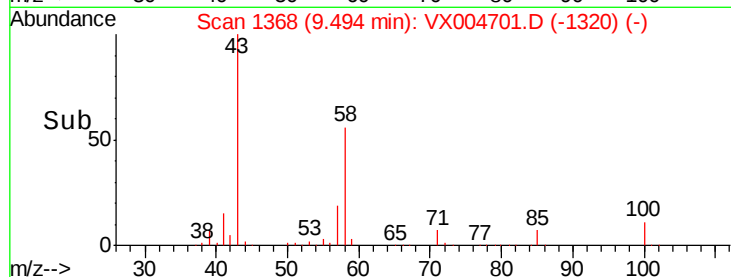
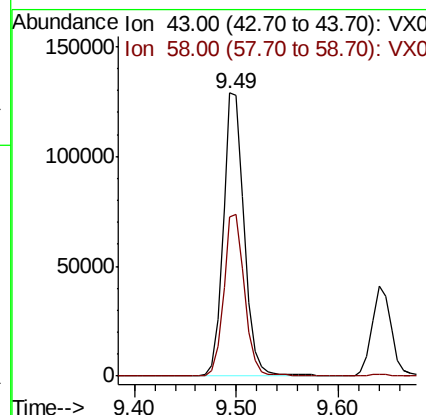
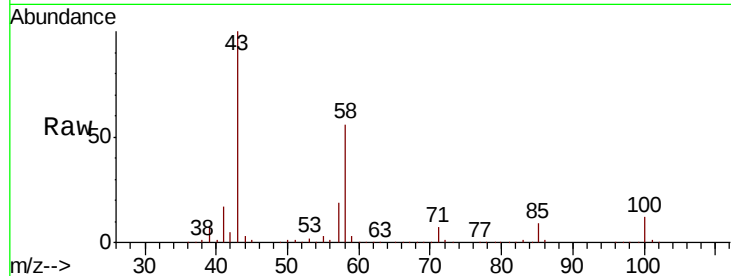
#59
2-Hexanone
Concen: 121.74 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion: 43 Resp: 184339
Ion Ratio Lower Upper
43 100
58 56.9 29.0 87.0

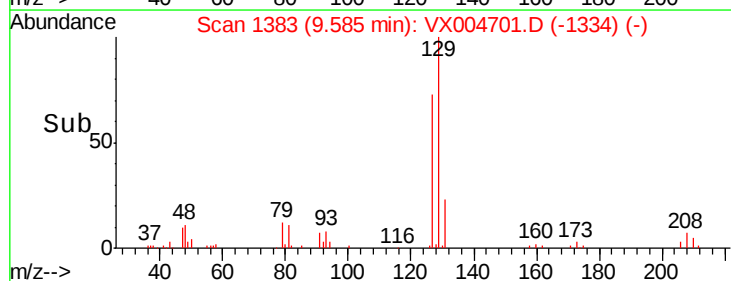
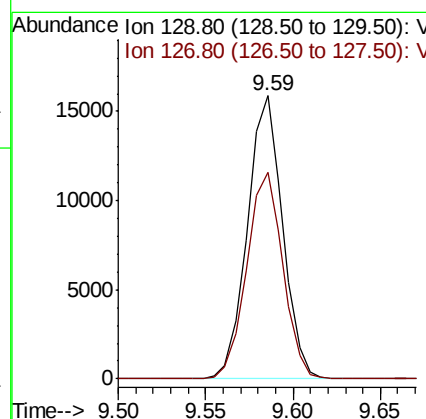
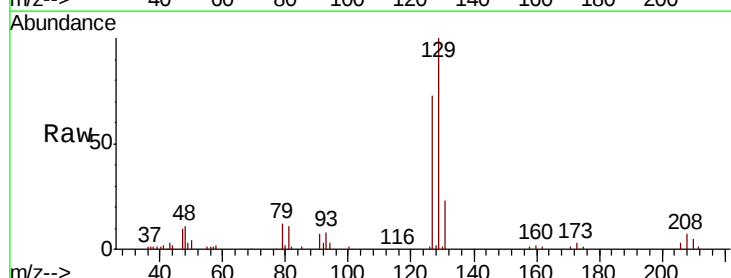
Manual Integrations
APPROVED

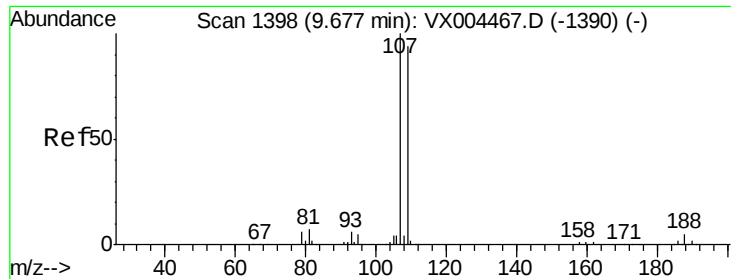
MMDadoda
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#60
Dibromochloromethane
Concen: 16.90 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 129 Resp: 22181
Ion Ratio Lower Upper
129 100
127 74.8 38.5 115.5





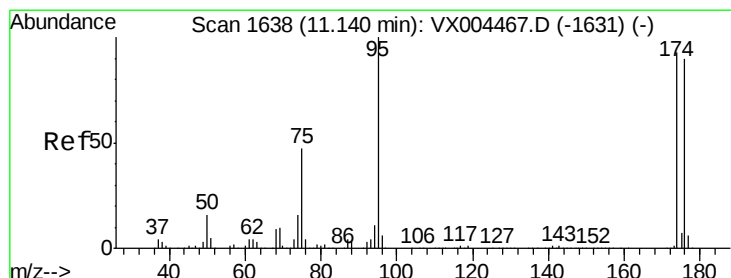
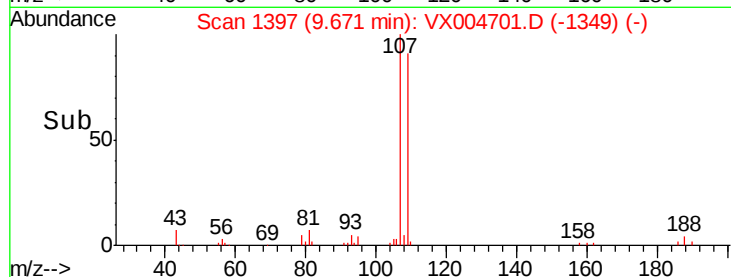
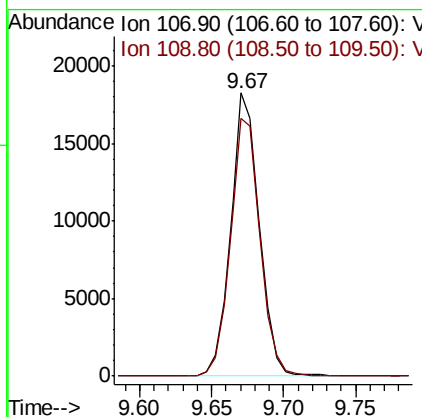
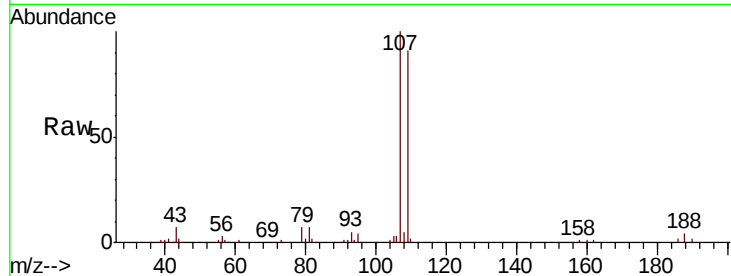
#61
 1,2-Dibromoethane
 Concen: 18.99 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.0	114.0

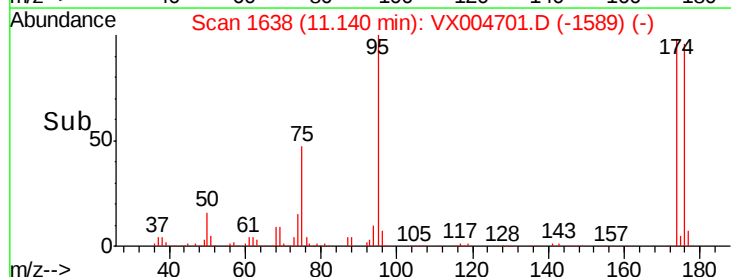
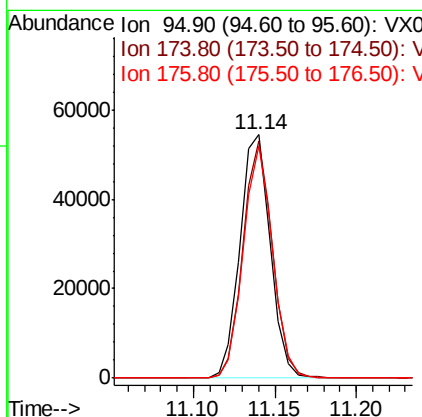
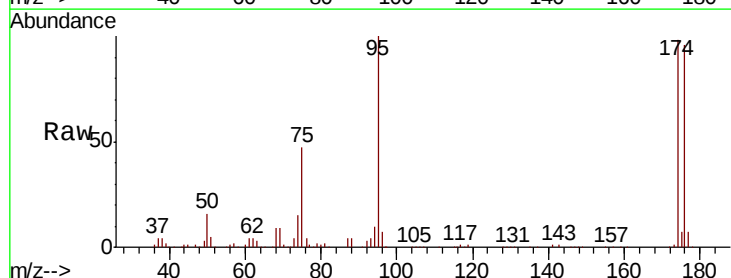
Manual Integrations
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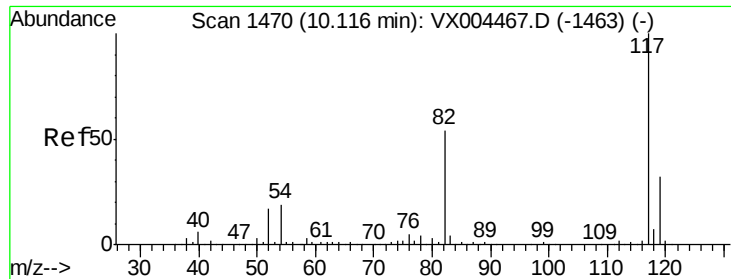
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#62
 4-Bromofluorobenzene
 Concen: 42.33 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	185.2
176	92.2	0.0	178.6





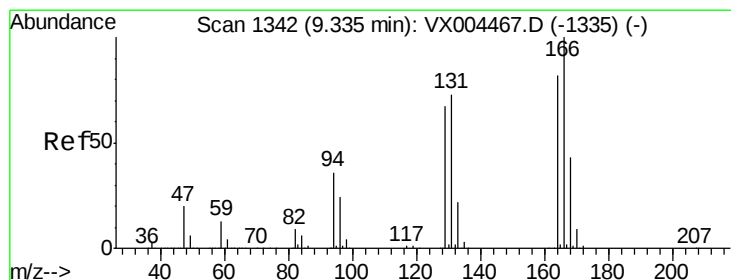
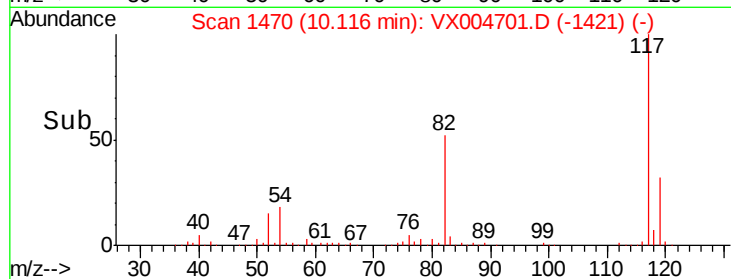
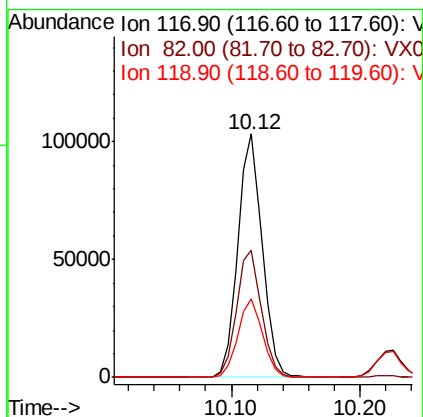
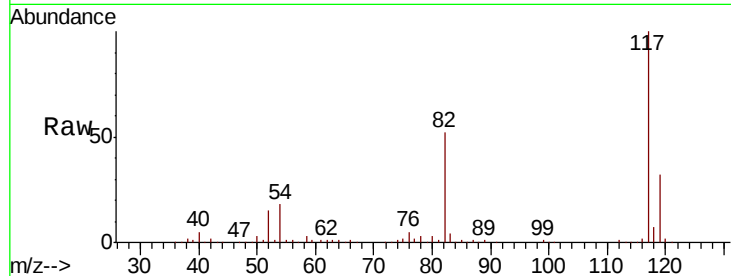
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	47.8	71.6
119	32.3	29.3	43.9

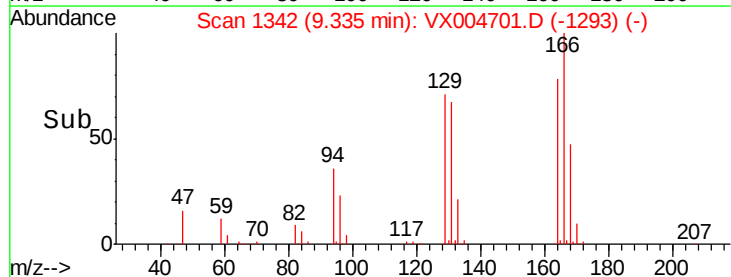
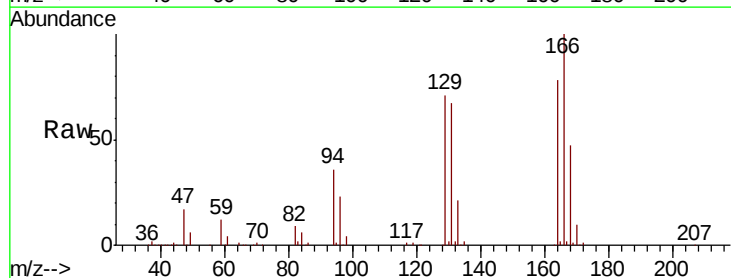
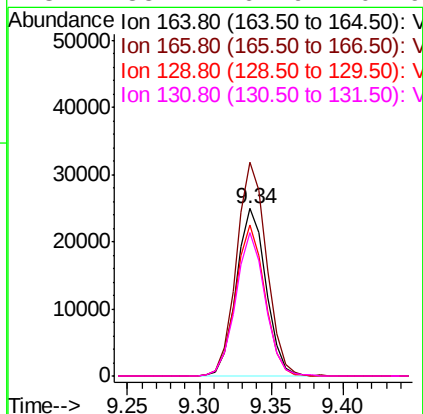
Manual Integrations
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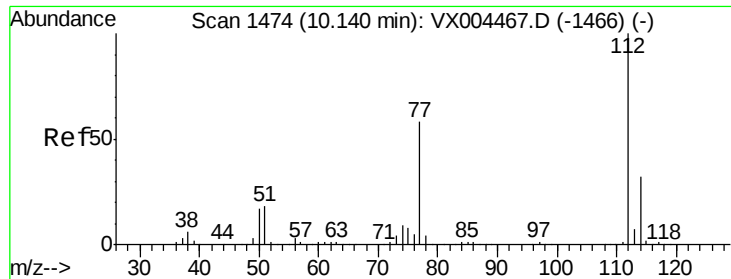
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#64
Tetrachloroethene
Concen: 21.09 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.8	154.2
129	90.1	69.4	104.0
131	85.4	67.9	101.9





#65

Chlorobenzene

Concen: 19.53 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion:112 Resp: 65828

Ion Ratio Lower Upper

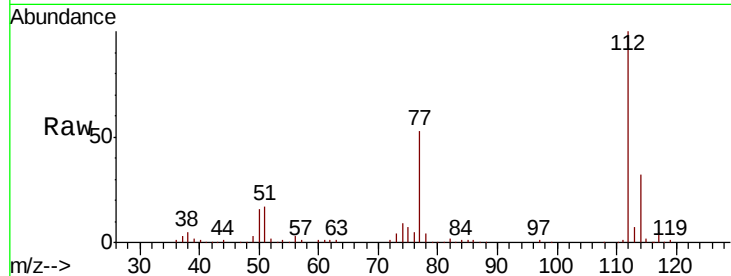
112 100

114 32.4 27.8 41.8

Manual Integrations
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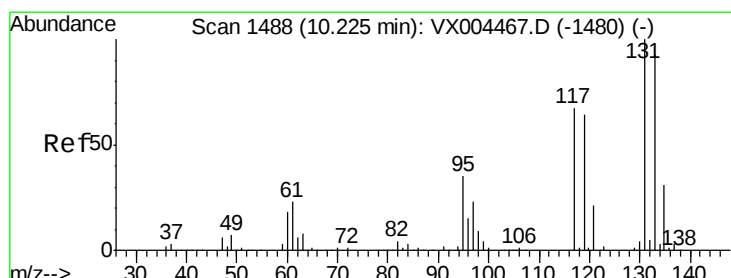
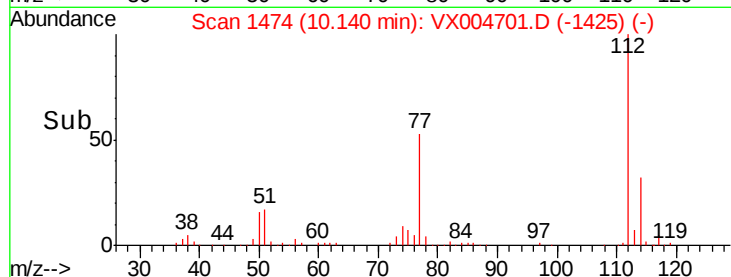
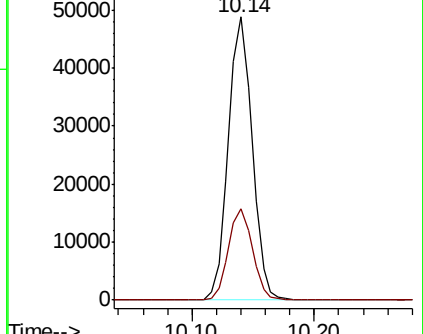
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.76 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

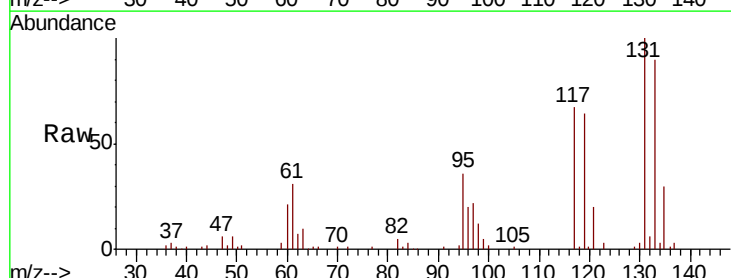
Tgt Ion:131 Resp: 22974

Ion Ratio Lower Upper

131 100

133 95.9 48.1 144.4

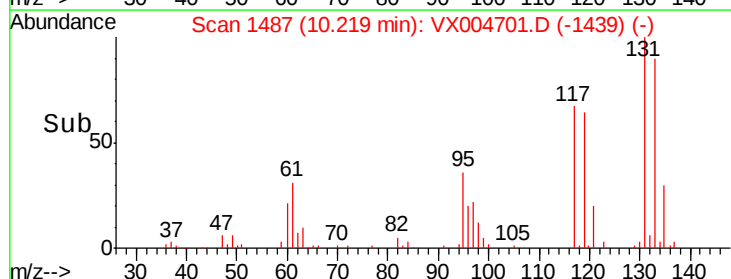
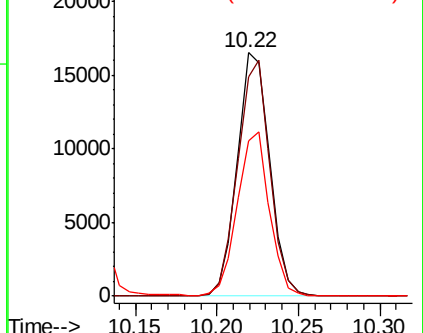
119 66.7 32.9 98.6

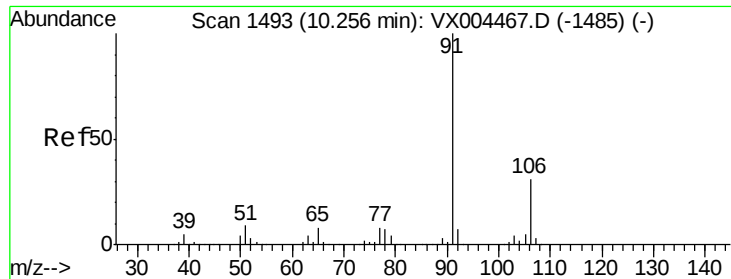


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.74 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 91 Resp: 113716

Ion Ratio Lower Upper

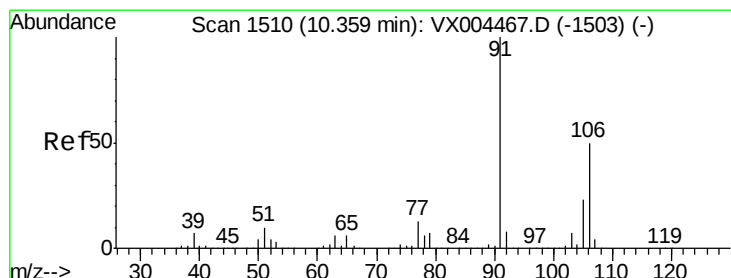
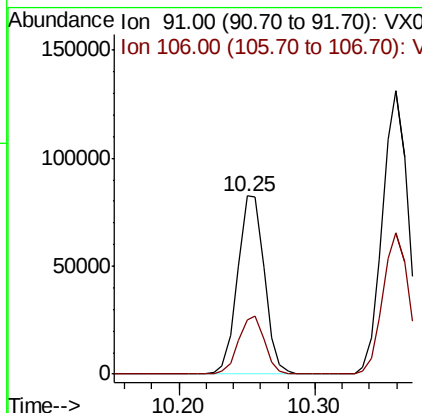
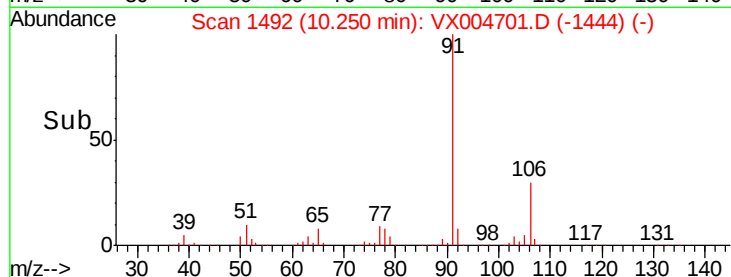
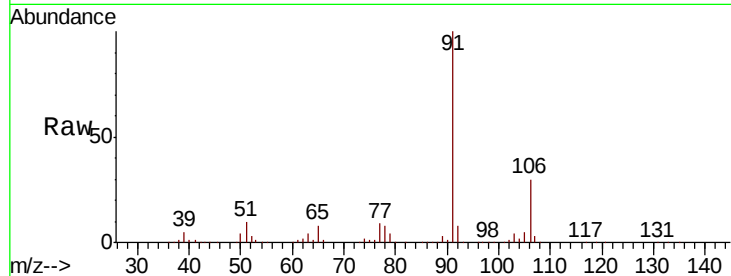
91 100

106 30.2 25.9 38.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.82 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004701.D

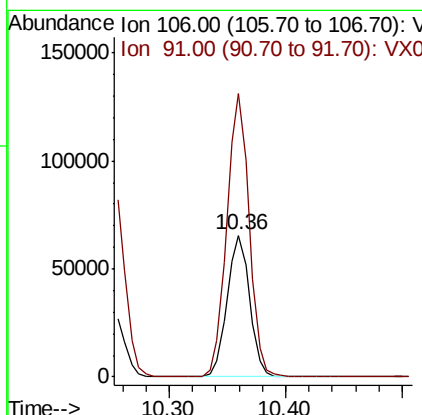
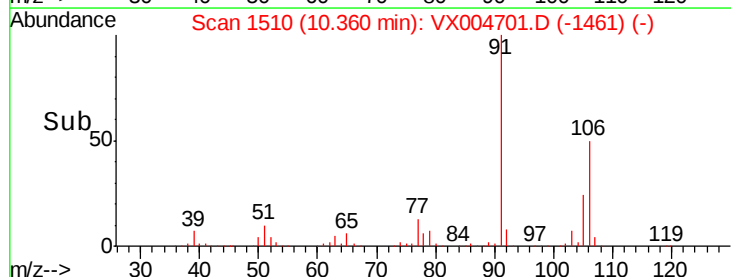
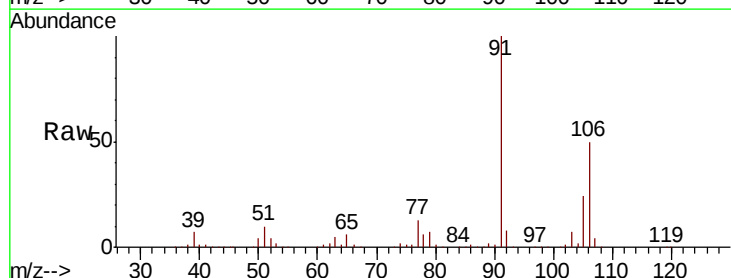
Acq: 19 Sep 2018 13:12

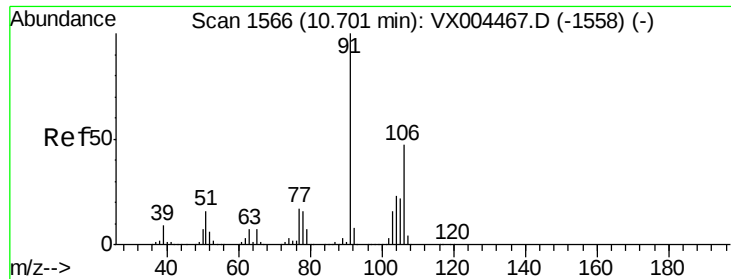
Tgt Ion: 106 Resp: 88316

Ion Ratio Lower Upper

106 100

91 197.6 157.1 235.7





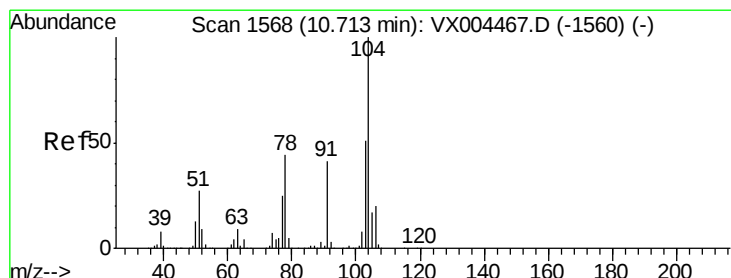
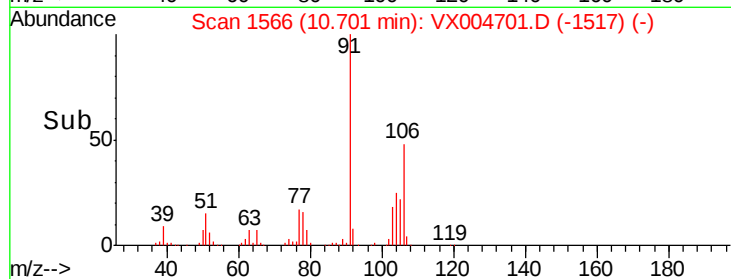
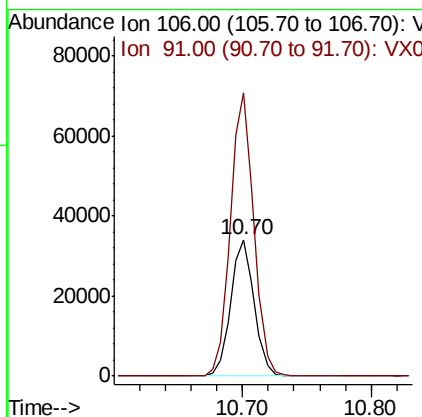
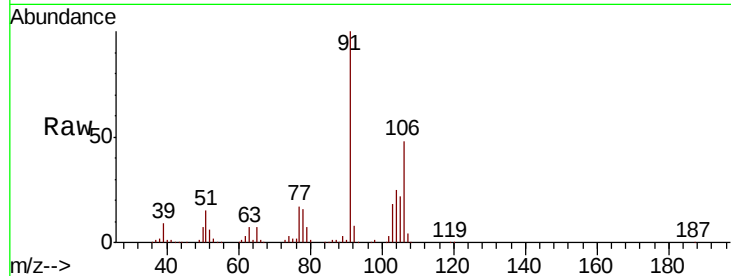
#69
o-Xylene
Concen: 21.42 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		43476		
91	206.6	105.1	315.1		

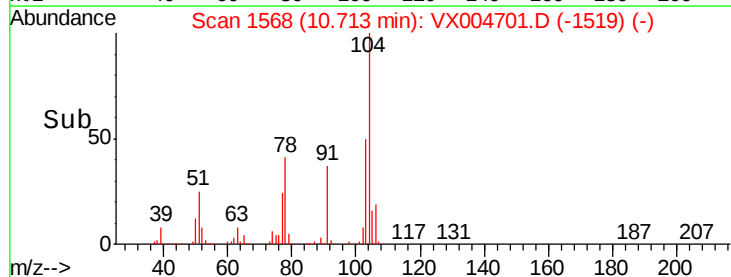
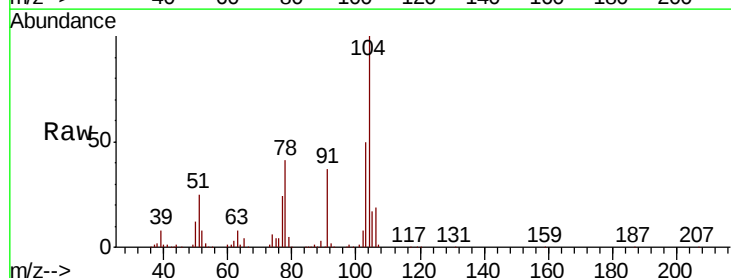
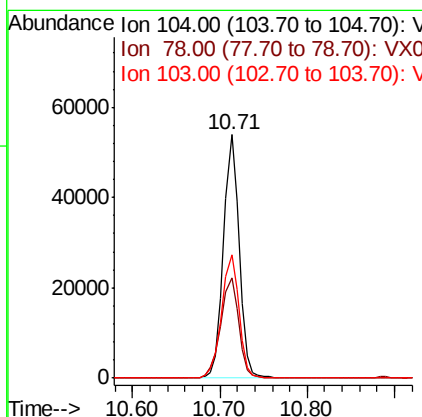
Manual Integrations
APPROVED

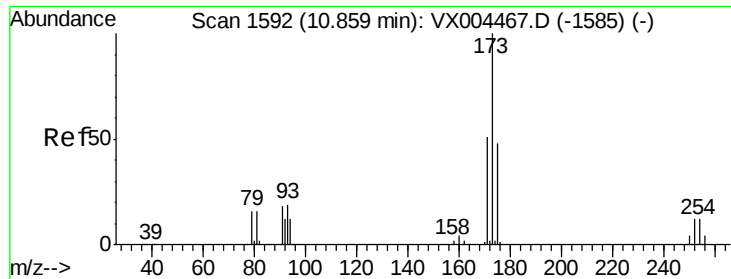
MMDadoda
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#70
Styrene
Concen: 19.83 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		66689		
78	47.4	37.4	56.0		
103	55.9	43.8	65.6		





#71

Bromoform

Concen: 18.23 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion:173 Resp: 17406

Ion Ratio Lower Upper

173 100

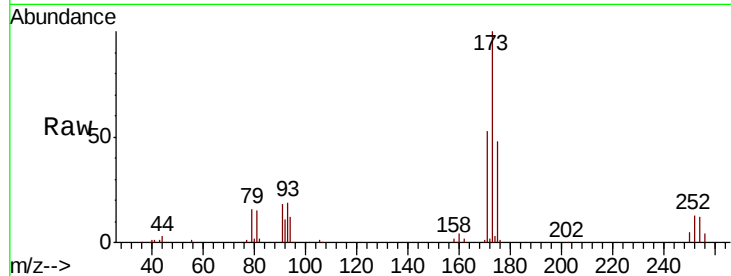
175 49.0 24.1 72.3

254 0.0 0.2 0.2#

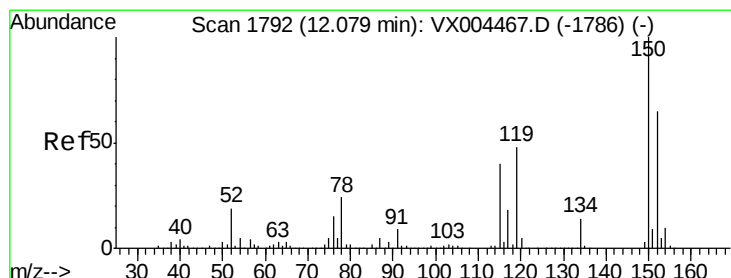
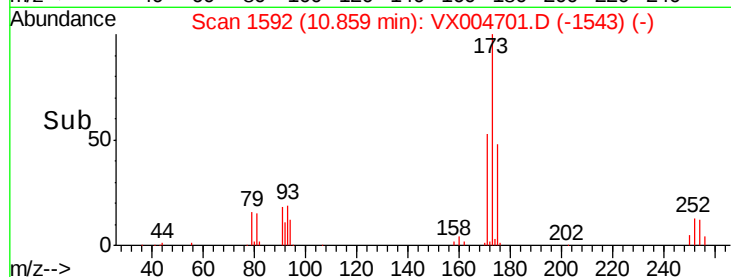
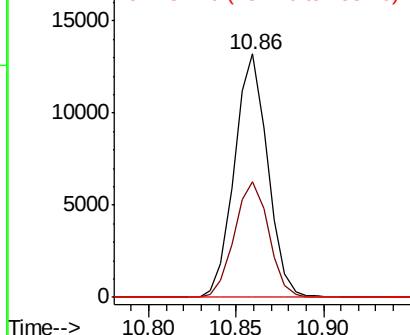
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

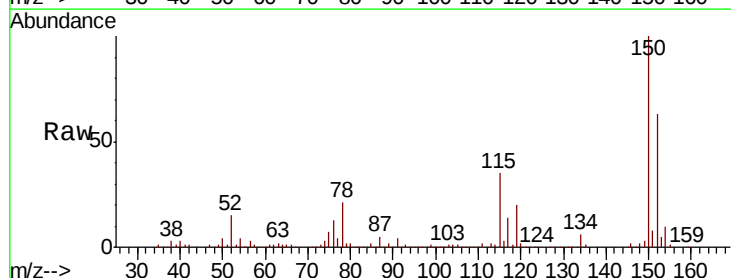
Tgt Ion:152 Resp: 76530

Ion Ratio Lower Upper

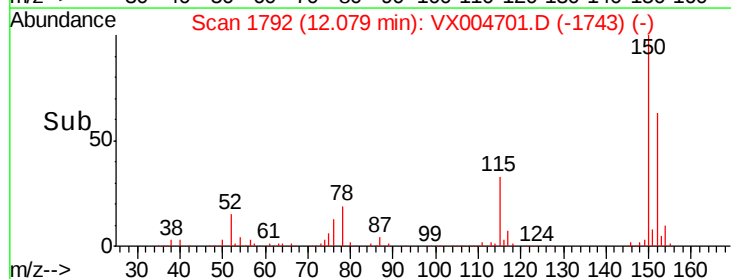
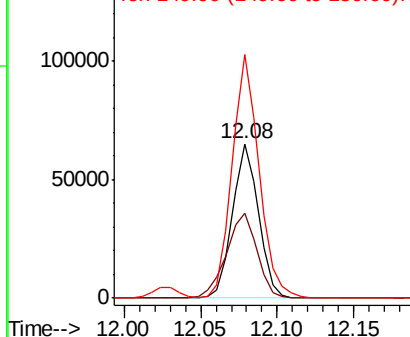
152 100

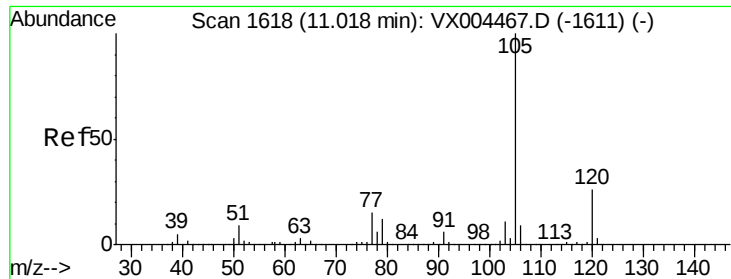
115 65.2 39.0 117.0

150 164.4 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: 28.17 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 105 Resp: 141985

Ion Ratio Lower Upper

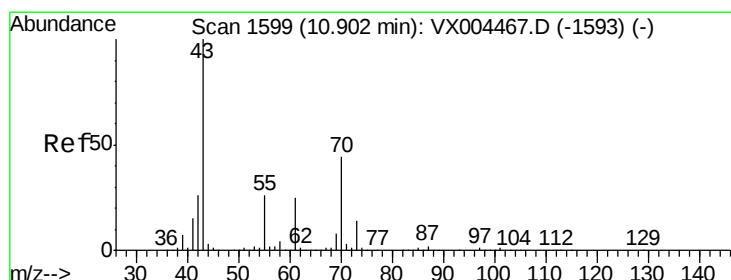
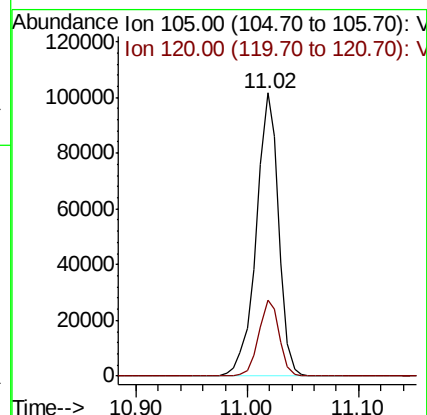
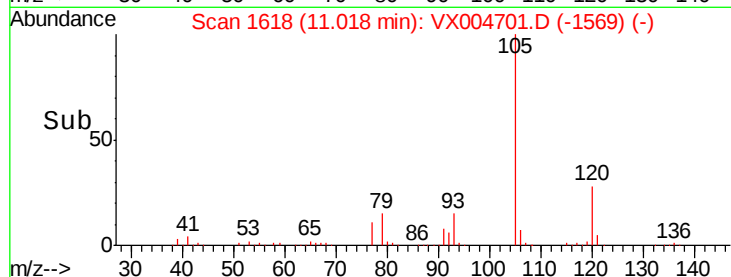
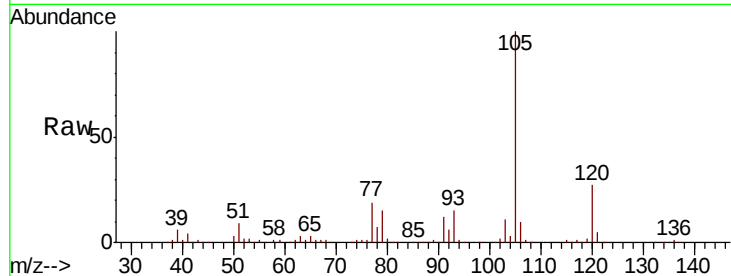
105 100

120 24.9 13.5 40.4

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#74

N-ethyl acetate

Concen: 22.19 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Tgt Ion: 43 Resp: 47084

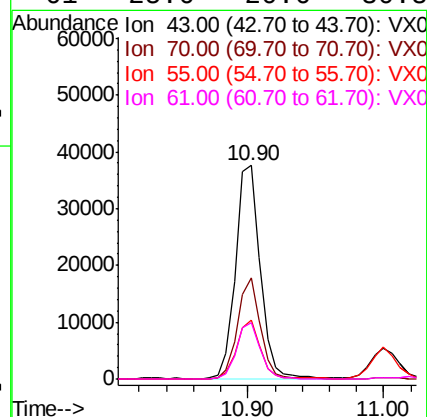
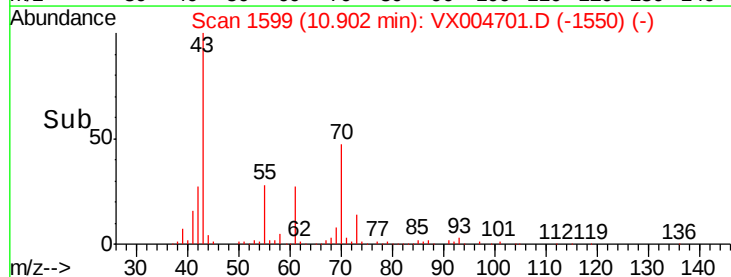
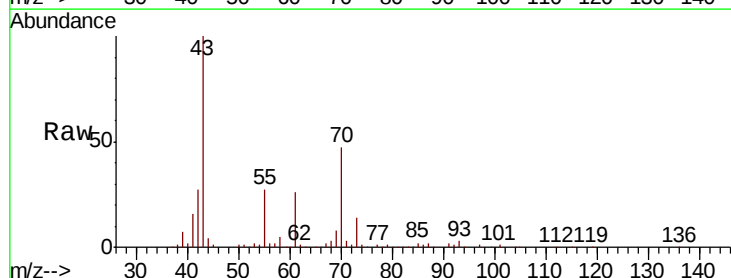
Ion Ratio Lower Upper

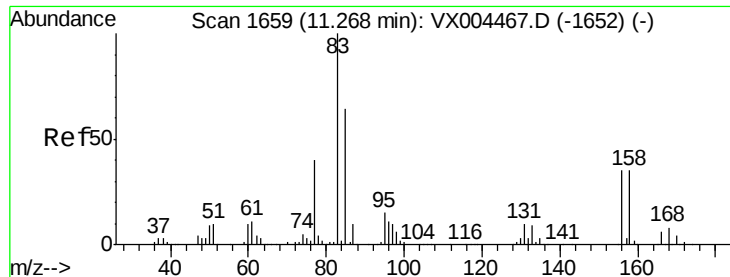
43 100

70 44.8 37.4 56.0

55 27.5 21.8 32.8

61 25.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.73 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

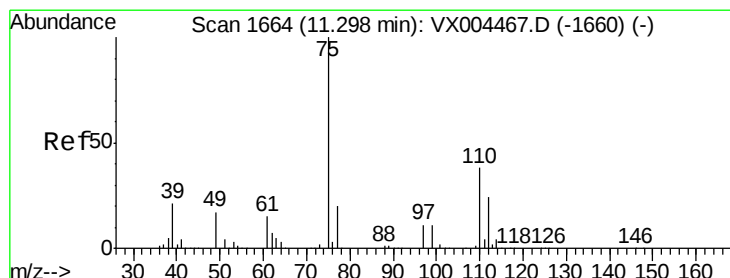
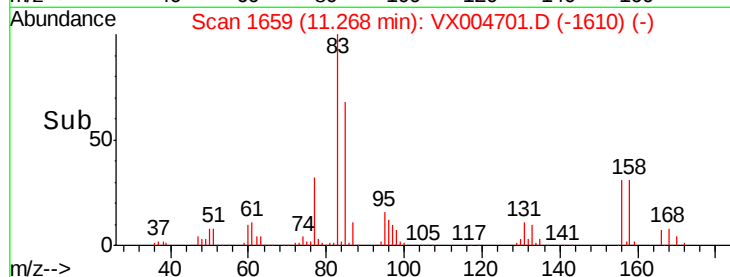
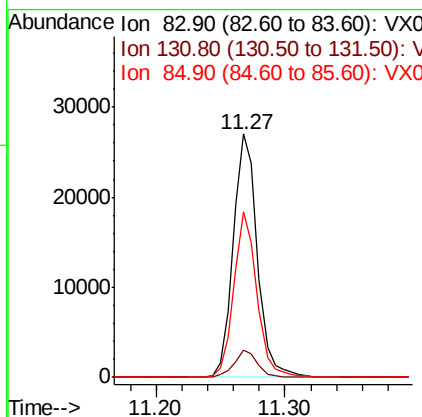
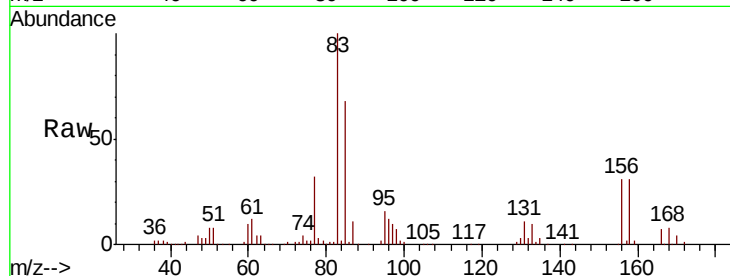
ClientSampleId :

VX0919MBSD01

Tot Ion:	83	Resp:	35330
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.2	15.6
85	65.1	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 25.77 ug/l m

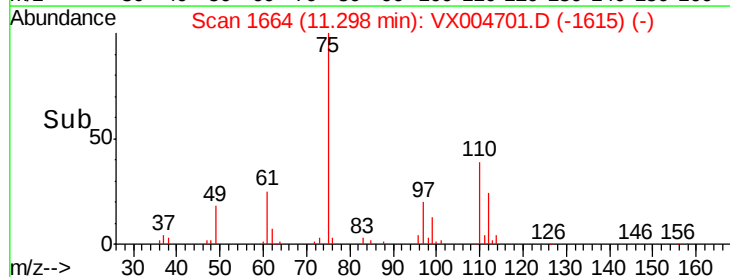
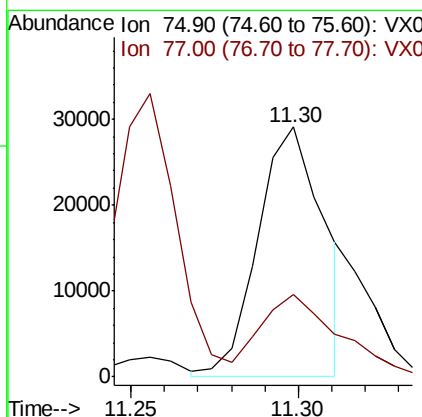
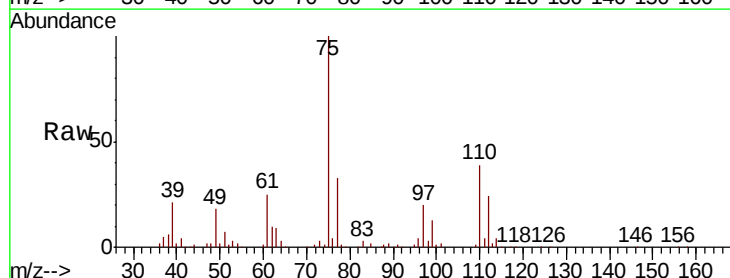
RT: 11.30 min Scan# 1664

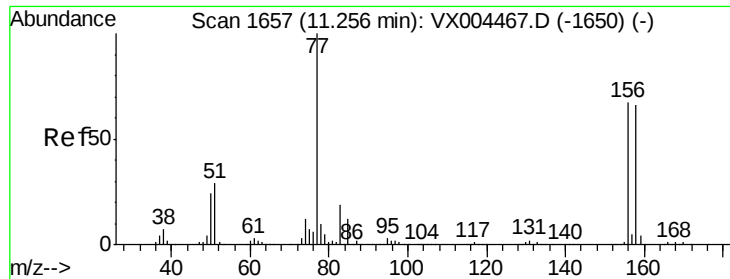
Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Tgt Ion:	75	Resp:	39680
Ion Ratio	Lower	Upper	
75	100		
77	39.0	20.2	60.6





#77

Bromobenzene

Concen: 21.44 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion:156 Resp: 29862

Ion Ratio Lower Upper

156 100

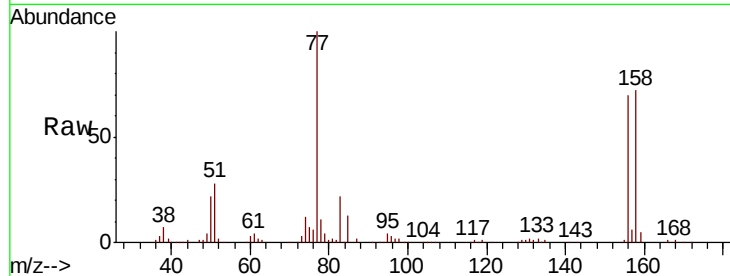
77 145.0 71.5 214.3

158 99.3 48.9 146.8

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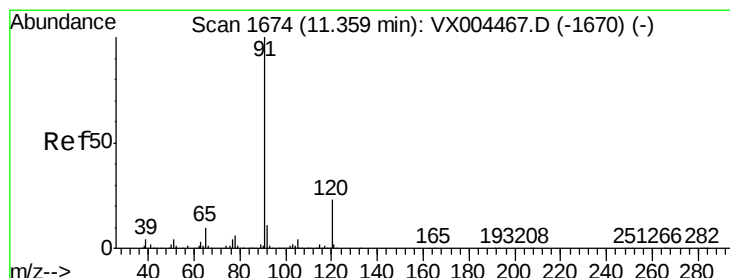
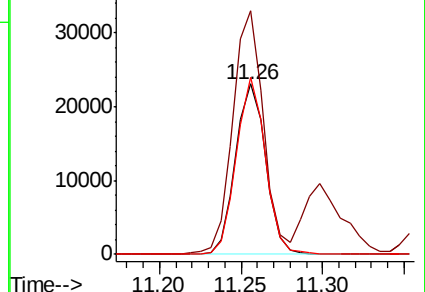
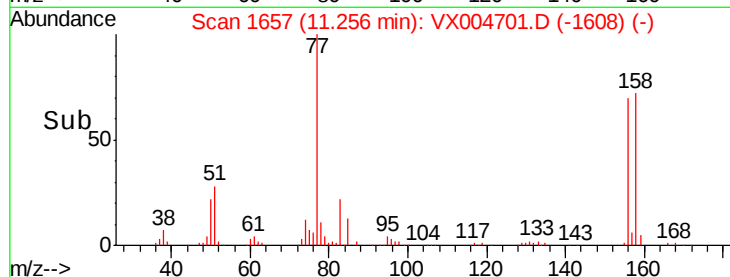
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.21 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004701.D

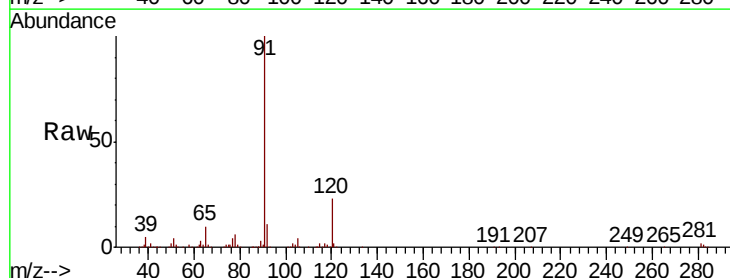
Acq: 19 Sep 2018 13:12

Tgt Ion: 91 Resp: 134509

Ion Ratio Lower Upper

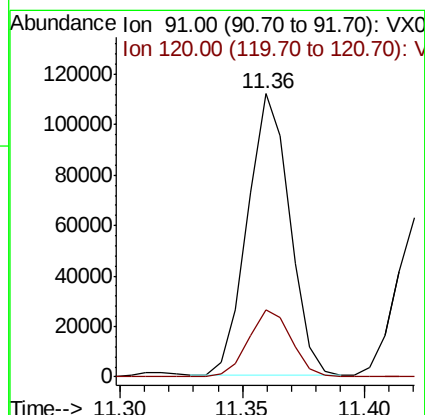
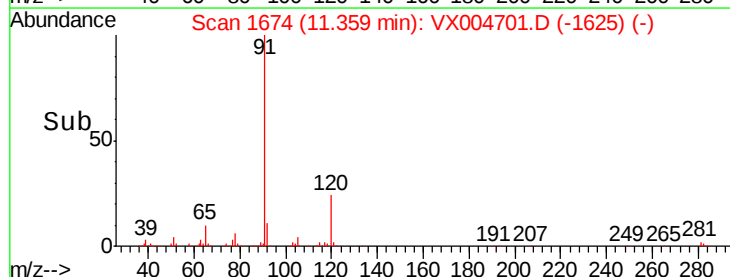
91 100

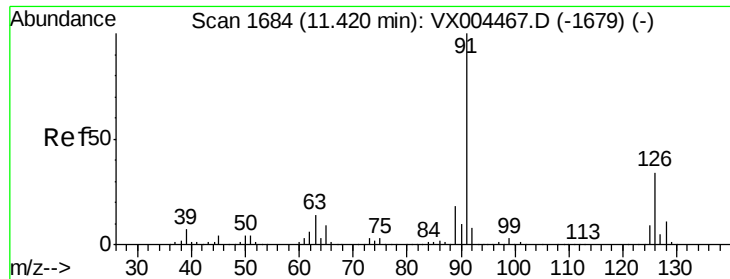
120 24.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.19 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 91 Resp: 77978

Ion Ratio Lower Upper

91 100

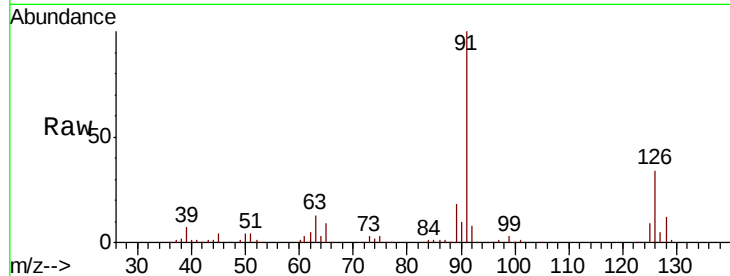
126 35.3 17.9 53.7

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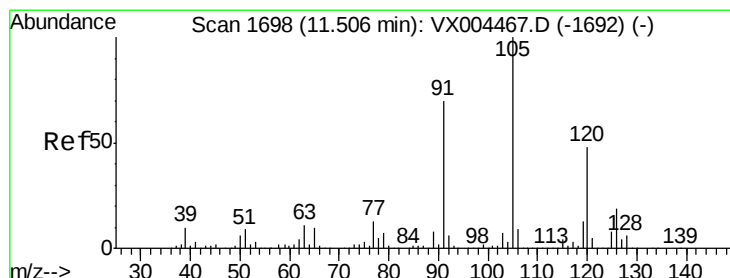
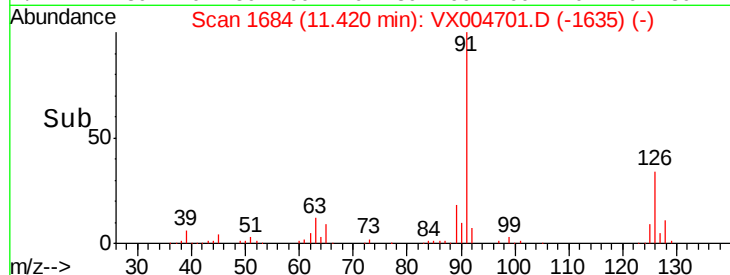
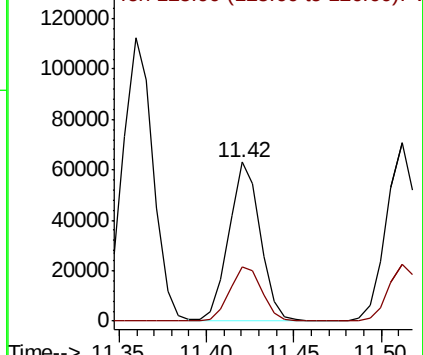
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 23.18 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004701.D

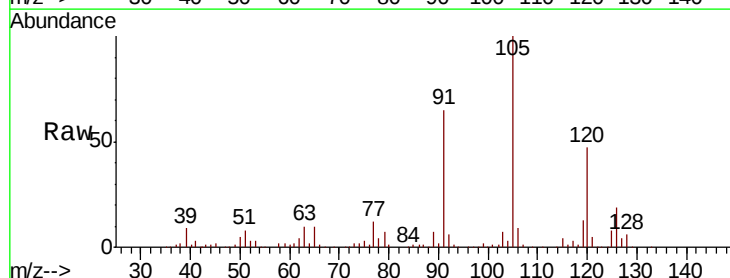
Acq: 19 Sep 2018 13:12

Tgt Ion:105 Resp: 98223

Ion Ratio Lower Upper

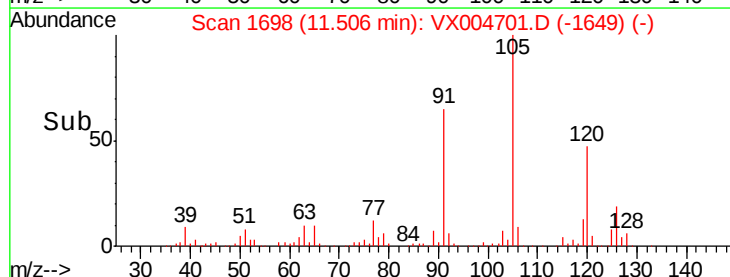
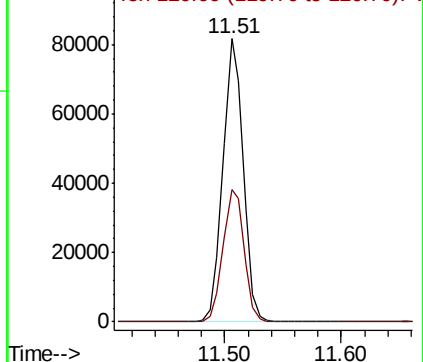
105 100

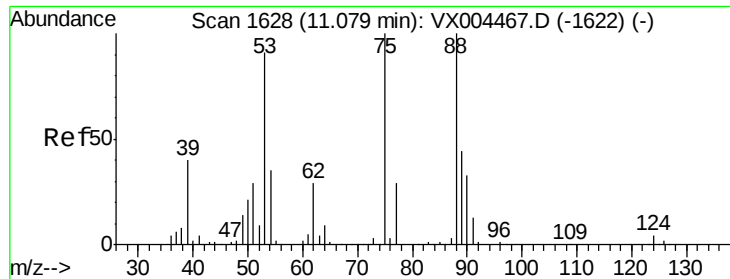
120 48.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 22.11 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 75 Resp: 10680

Ion Ratio Lower Upper

75 100

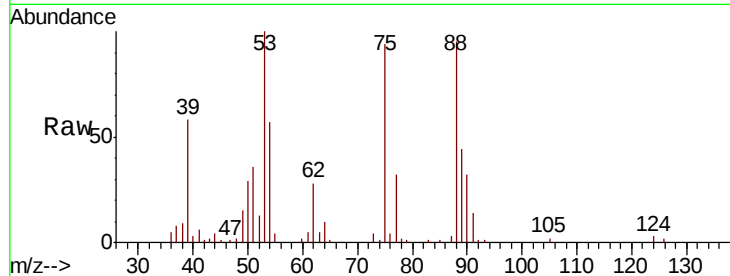
53 105.7 80.1 120.1

89 48.4 37.2 55.8

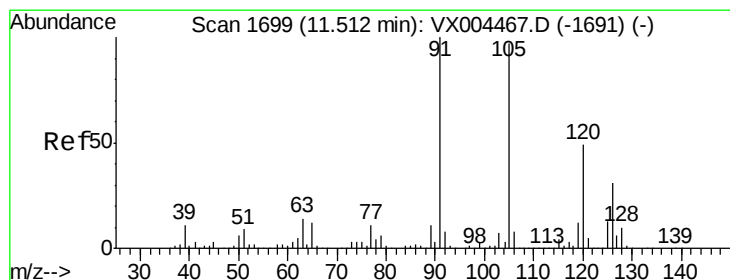
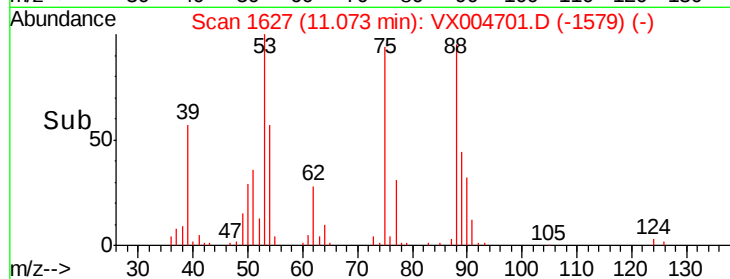
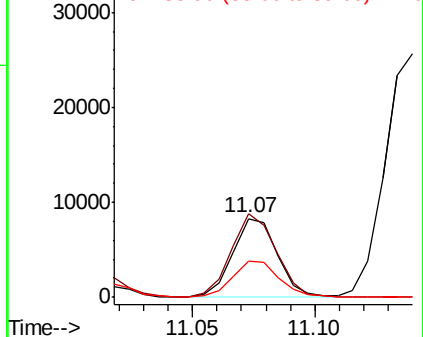
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.40 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004701.D

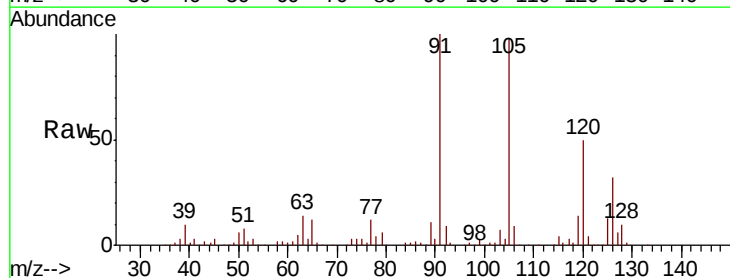
Acq: 19 Sep 2018 13:12

Tgt Ion: 91 Resp: 87784

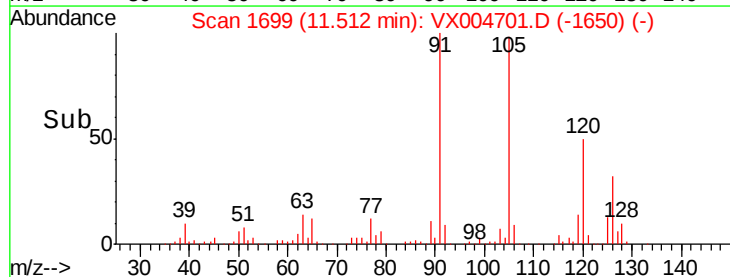
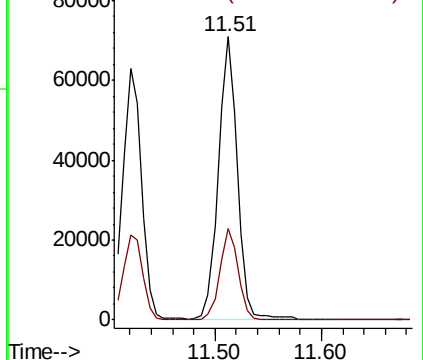
Ion Ratio Lower Upper

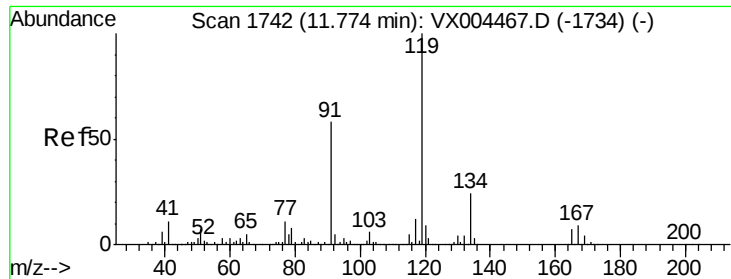
91 100

126 31.1 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





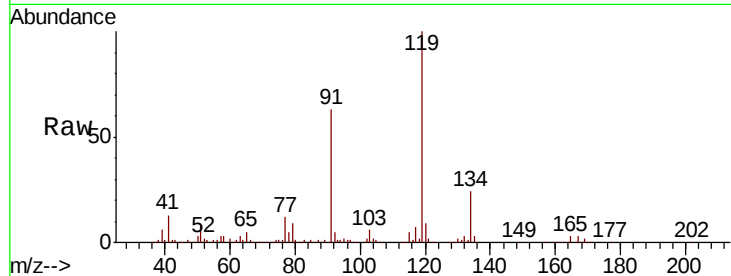
#83
 tert-Butylbenzene
 Concen: 24.24 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

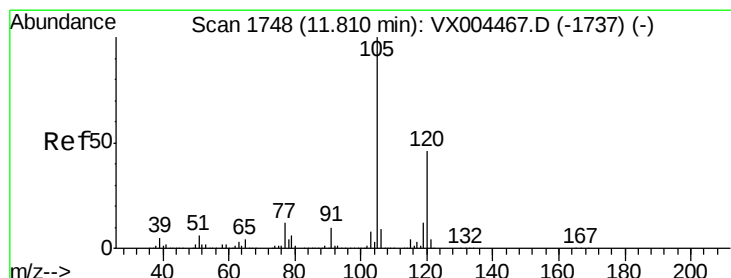
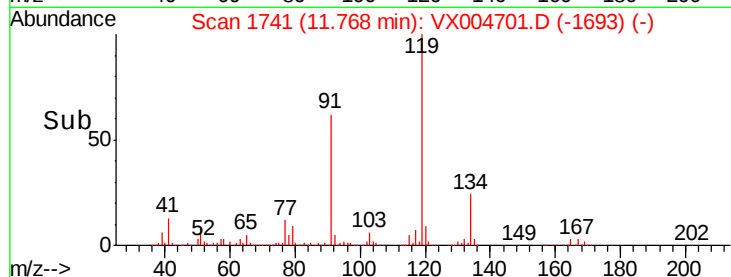
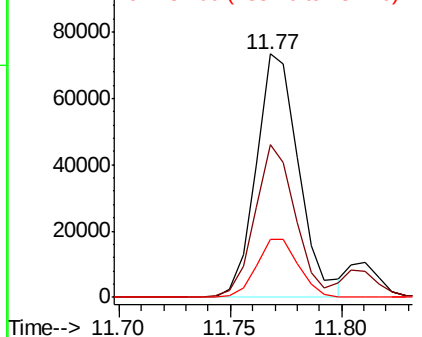
Tot Ion	Ratio	Resp	Lower	Upper
119	100	97786		
91	58.7		27.0	81.0
134	24.0		11.7	35.1

Manual Integrations
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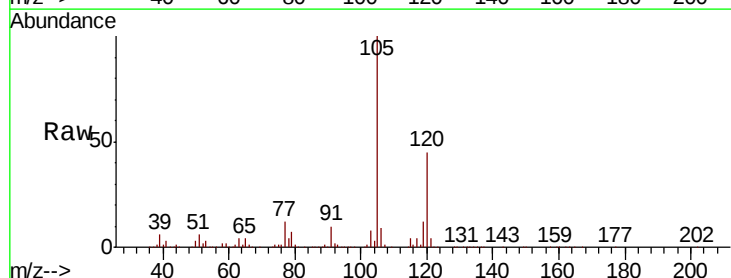


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

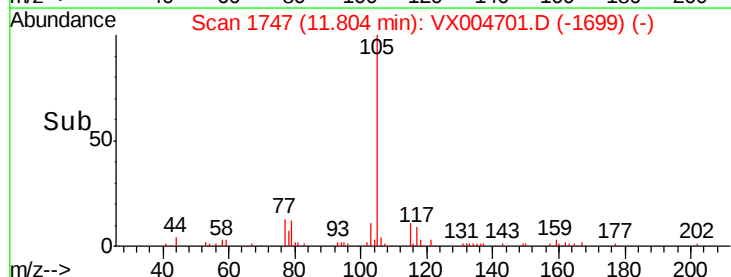
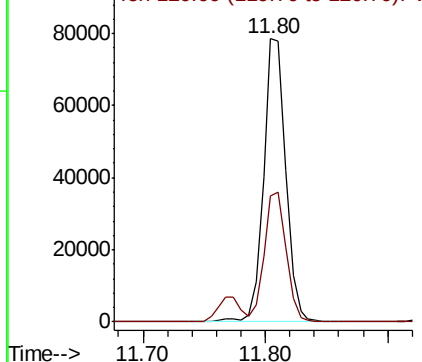


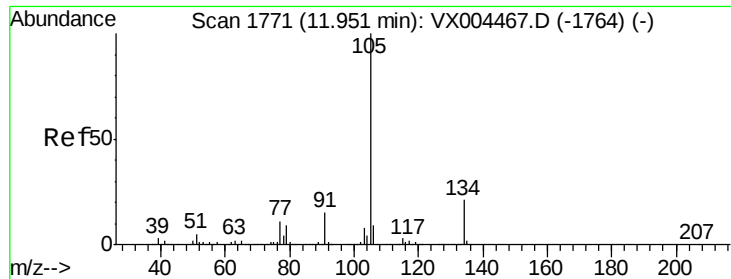
#84
 1,2,4-Trimethylbenzene
 Concen: 22.89 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	99030		
120	45.7		23.2	69.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 25.35 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion:105 Resp: 130313

Ion Ratio Lower Upper

105 100

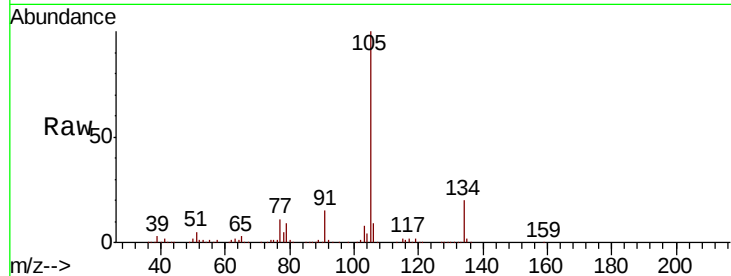
134 20.4 10.5 31.5

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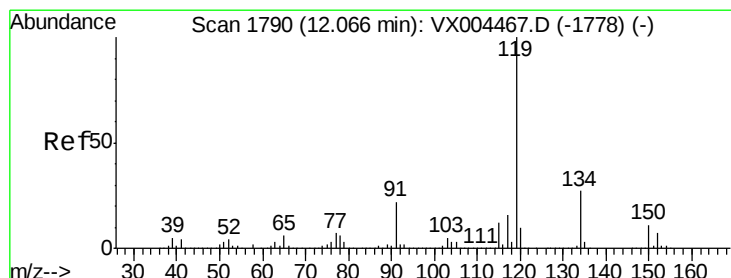
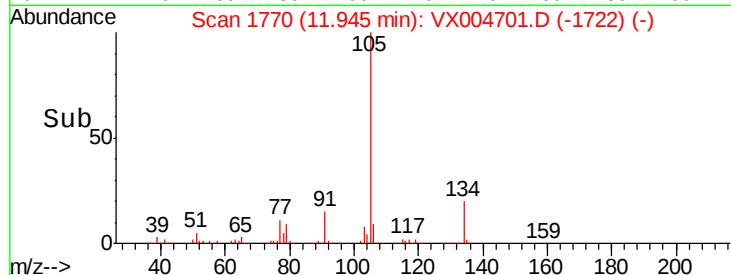
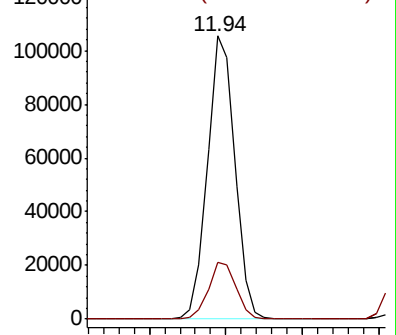
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 25.06 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

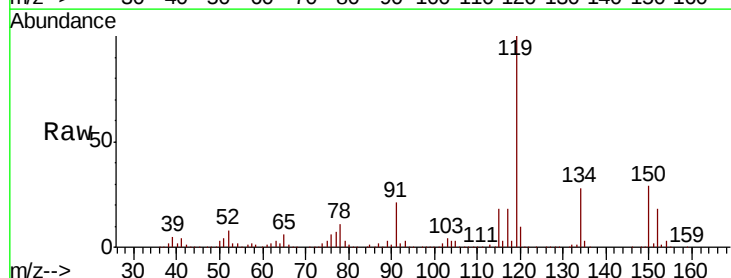
Tgt Ion:119 Resp: 113760

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

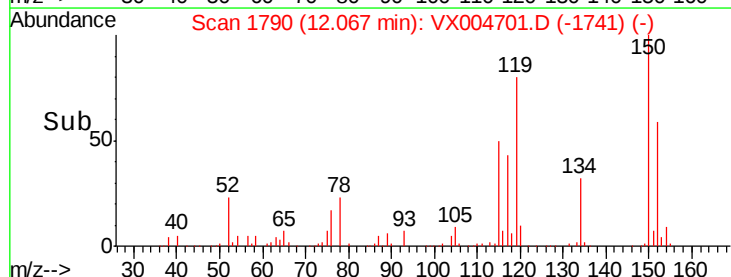
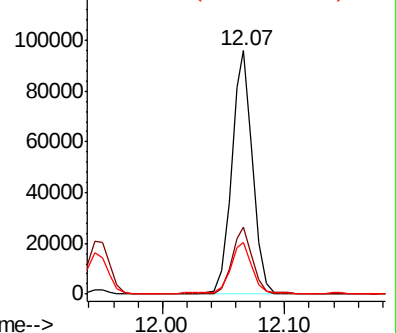
91 21.9 10.9 32.7

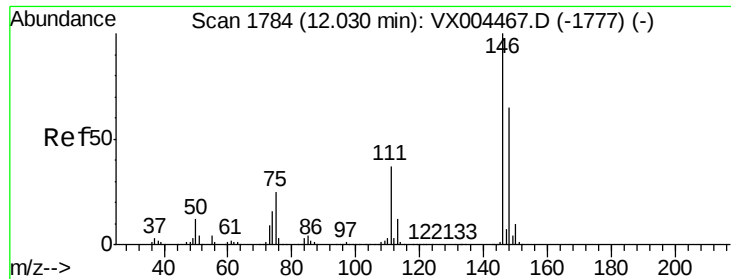


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 20.64 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion:146 Resp: 53642

Ion Ratio Lower Upper

146 100

111 37.8 18.7 56.1

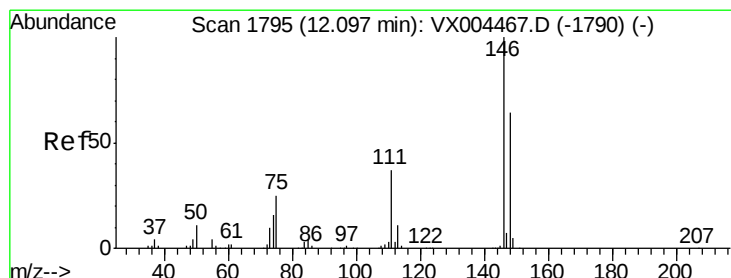
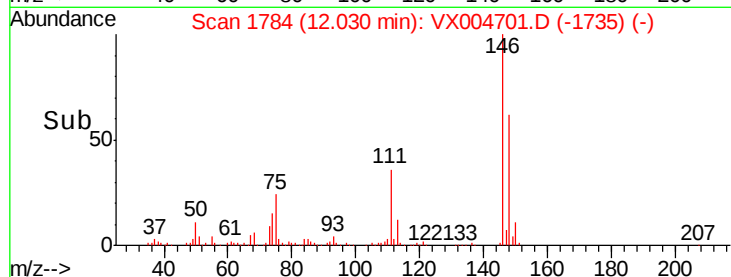
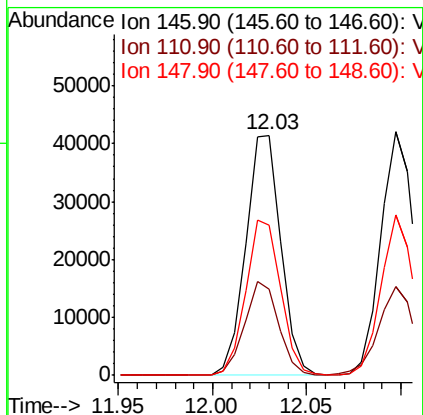
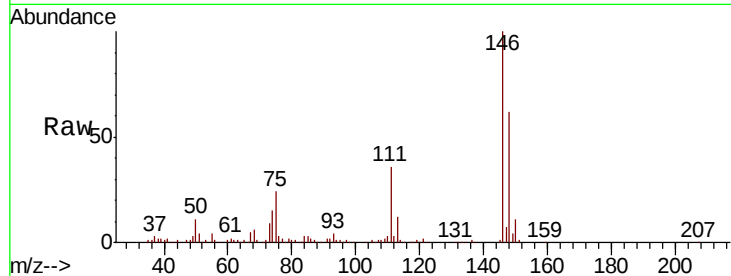
148 64.2 32.1 96.5

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#88

1,4-Dichlorobenzene

Concen: 19.70 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX004701.D

Acq: 19 Sep 2018 13:12

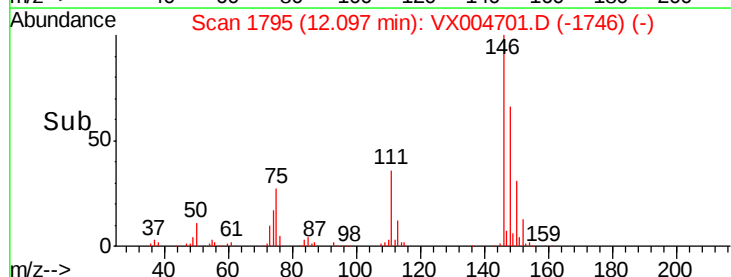
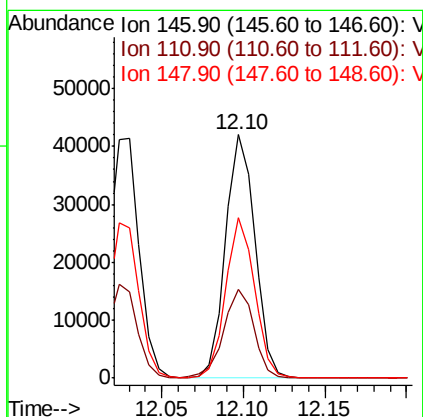
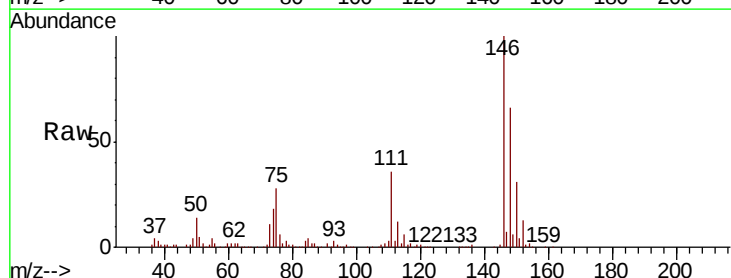
Tgt Ion:146 Resp: 52909

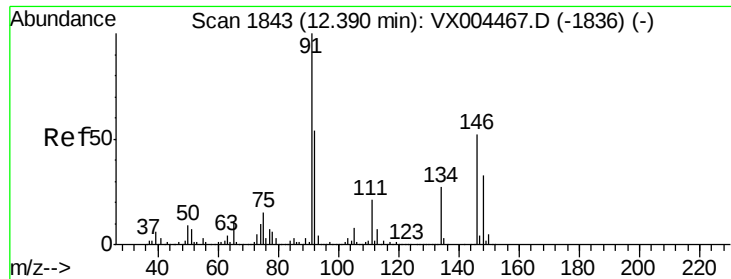
Ion Ratio Lower Upper

146 100

111 37.6 18.1 54.1

148 64.9 32.0 96.0





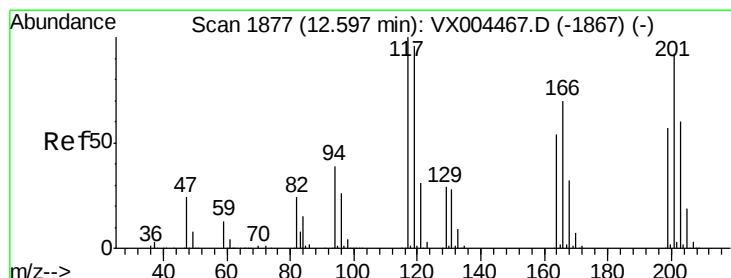
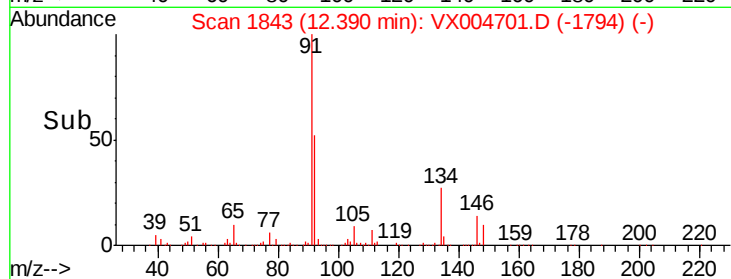
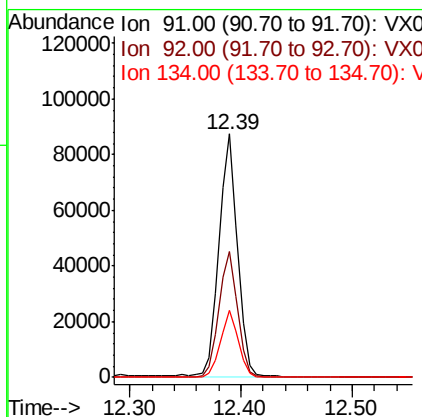
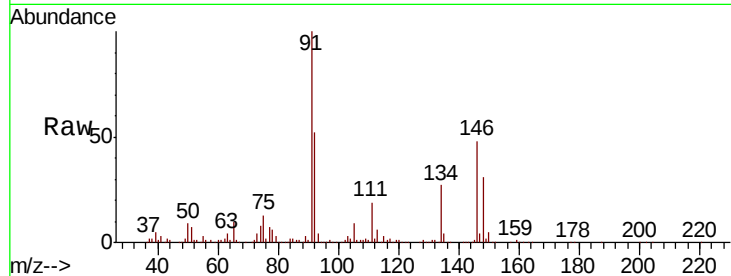
#89
n-Butylbenzene
Concen: 24.17 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.3	81.9
134	26.8	13.6	40.7

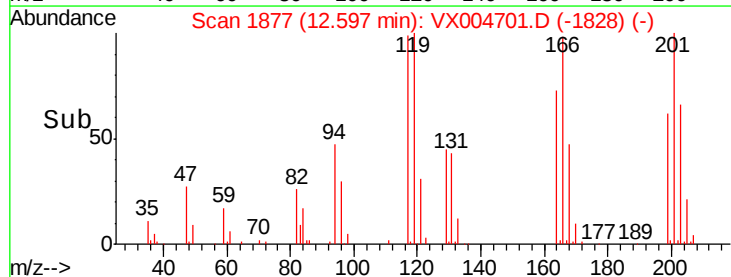
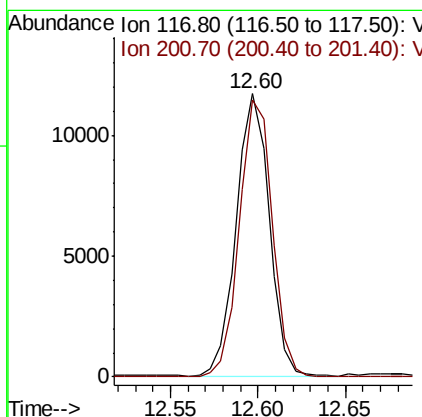
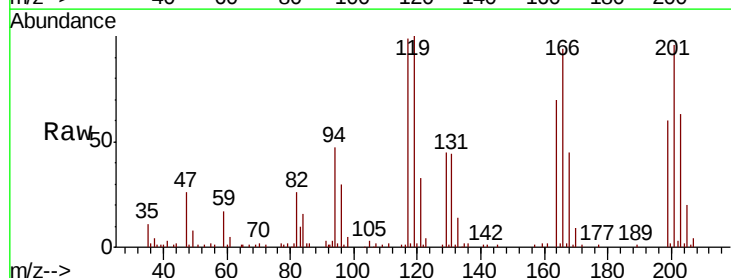
Manual Integrations
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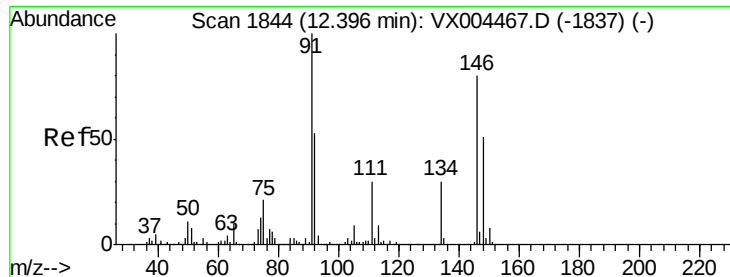
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9/20/2018 1:42:36 PM



#90
Hexachloroethane
Concen: 21.32 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.8	46.9	140.6





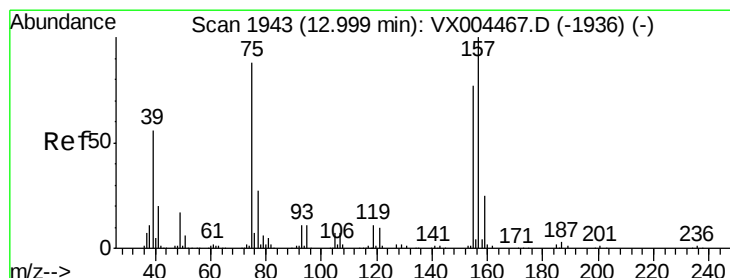
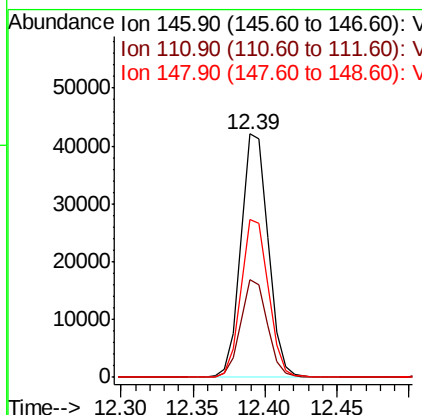
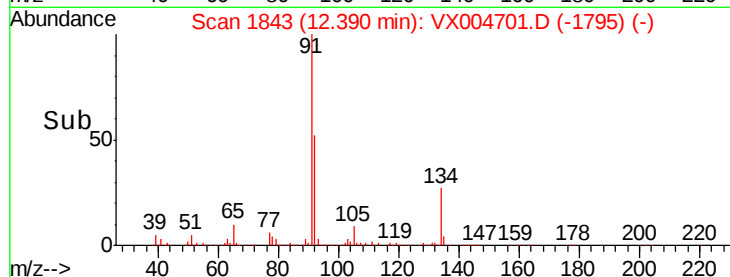
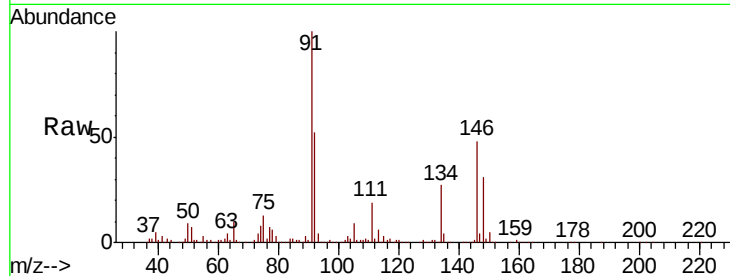
#91
 1,2-Dichlorobenzene
 Concen: 21.01 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.1
148	65.0	32.8	98.3

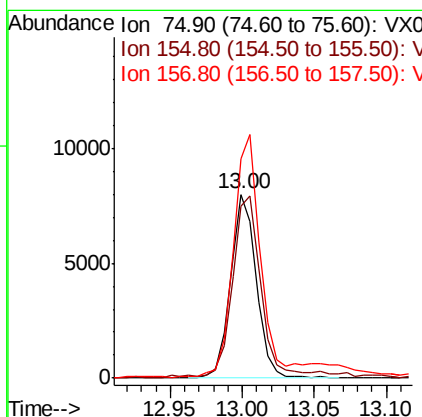
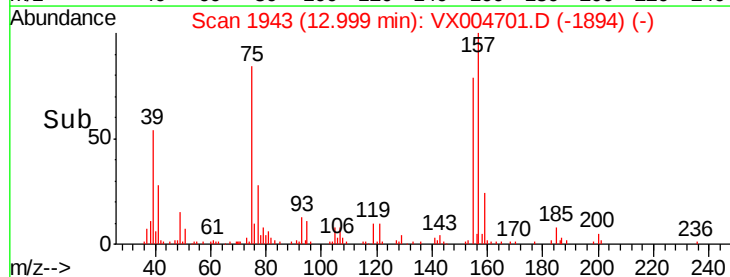
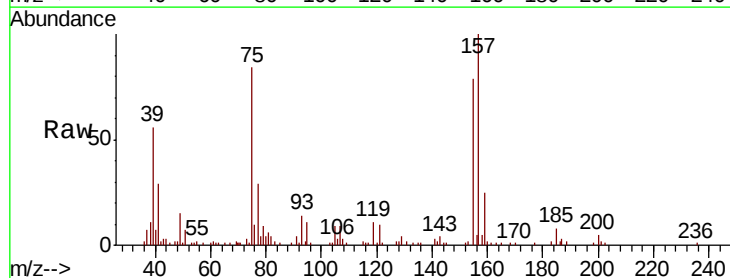
Manual Integrations
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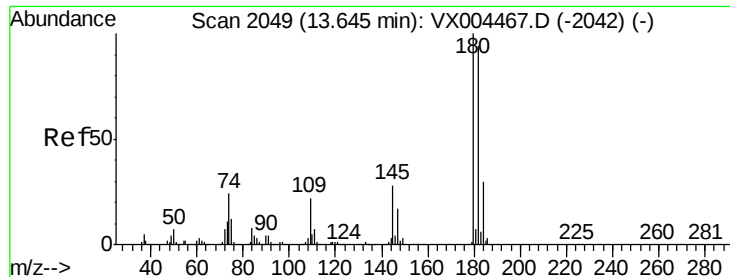
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 28.87 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	115.7	48.0	144.2
157	142.4	61.4	184.1





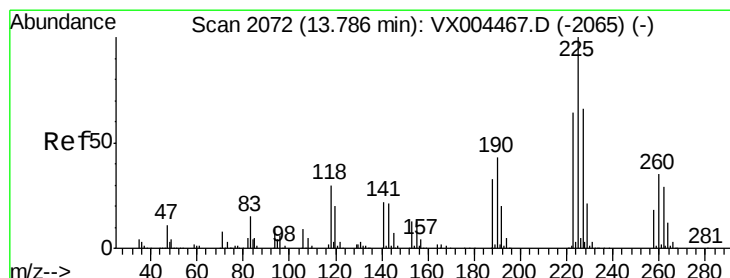
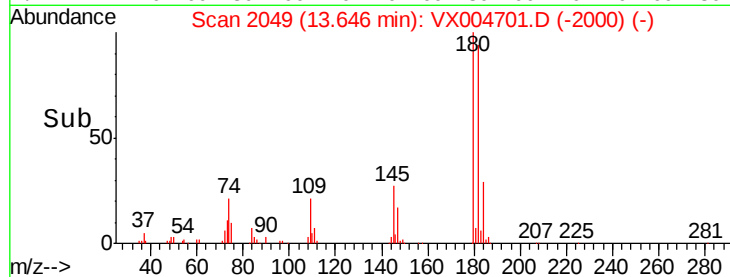
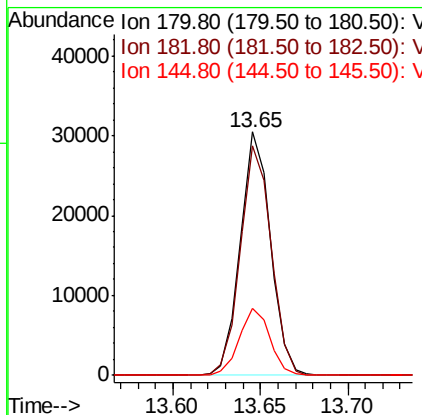
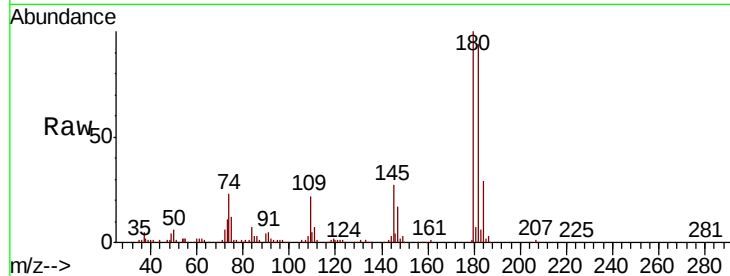
#93
 1,2,4-Trichlorobenzene
 Concen: 19.67 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	36637		
182	96.3	48.4	145.0	
145	28.1	14.3	42.9	

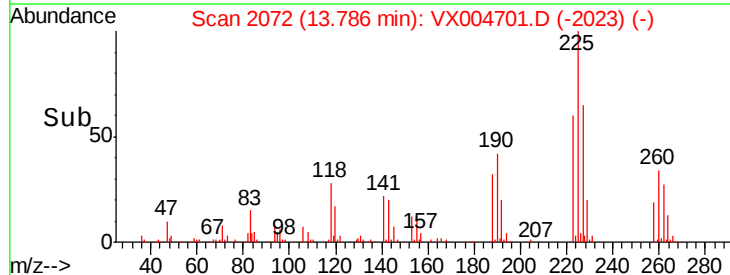
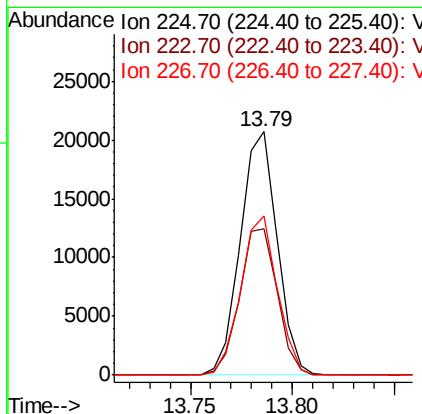
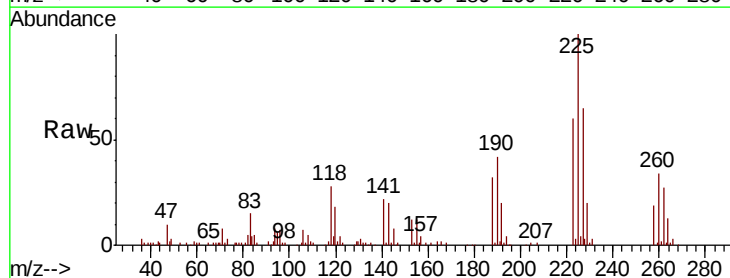
Manual Integrations
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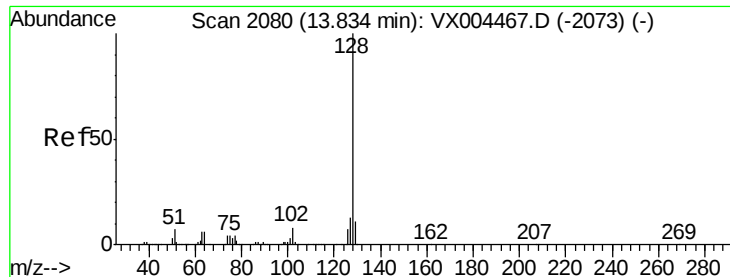
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#94
 Hexachlorobutadiene
 Concen: 26.69 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004701.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25973		
223	61.4	30.1	90.5	
227	64.7	30.8	92.4	





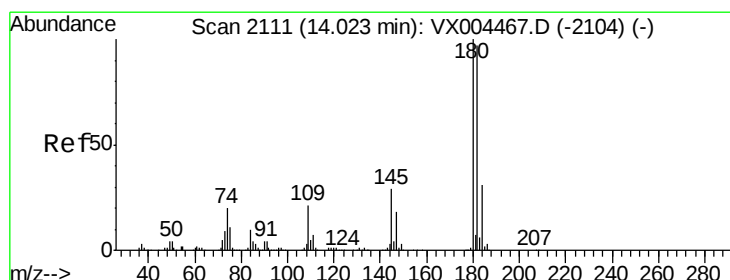
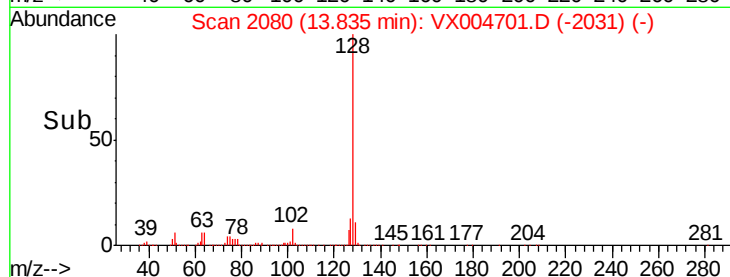
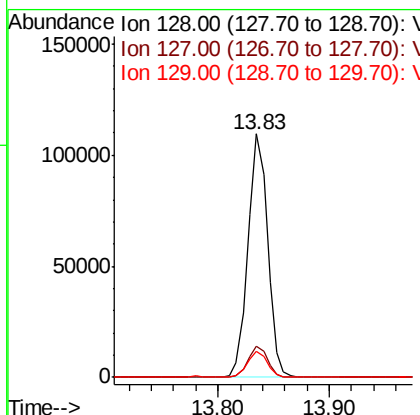
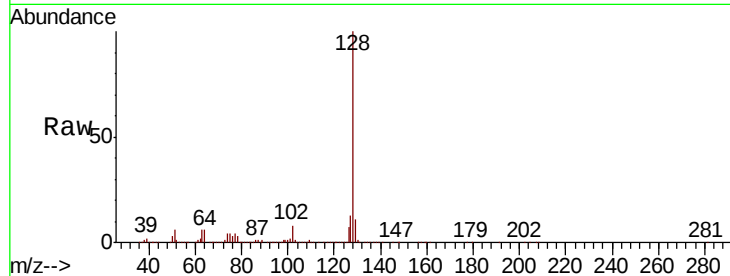
#95
Naphthalene
Concen: 25.92 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	135435		
127	12.9	10.2	15.2	
129	11.0	8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.50 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004701.D
Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	39223		
182	95.3	48.5	145.6	
145	29.8	14.9	44.9	

