

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004551.D
 Acq On : 14 Sep 2018 20:14
 Operator : JC/MD
 Sample : VX0914WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:26 PM

Quant Time: Sep 15 05:59:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198960	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	184855	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	5.50	113	163174	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
50) Toluene-d8	8.72	98	565869	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
62) 4-Bromofluorobenzene	11.14	95	191882	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	52901	19.83	ug/l	92
3) Chloromethane	1.32	50	66114	18.01	ug/l	99
4) Vinyl Chloride	1.40	62	74418	19.75	ug/l	96
5) Bromomethane	1.64	94	28513	17.30	ug/l	100
6) Chloroethane	1.72	64	48290	19.82	ug/l	98
7) Trichlorofluoromethane	1.93	101	93425	18.70	ug/l	97
8) Diethyl Ether	2.19	74	44754	19.98	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	59541	18.79	ug/l	96
10) Methyl Iodide	2.51	142	43057	14.65	ug/l	96
11) Tert butyl alcohol	3.07	59	85350	97.45	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58692	19.73	ug/l	95
13) Acrolein	2.29	56	42818	123.84	ug/l	96
14) Allyl chloride	2.73	41	115185	18.84	ug/l	95
15) Acrylonitrile	3.15	53	195749	92.81	ug/l	98
16) Acetone	2.44	43	155371	86.73	ug/l	96
17) Carbon Disulfide	2.57	76	161778	18.82	ug/l	98
18) Methyl Acetate	2.78	43	97839	19.47	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	206072	19.74	ug/l	97
20) Methylene Chloride	2.86	84	69876	19.01	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	62574	19.04	ug/l	95
22) Diisopropyl ether	3.87	45	216277	19.64	ug/l	99
23) Vinyl Acetate	3.82	43	866909	97.26	ug/l	100
24) 1,1-Dichloroethane	3.70	63	120663	19.40	ug/l	97
25) 2-Butanone	4.70	43	252084	88.41	ug/l	93
26) 2,2-Dichloropropane	4.58	77	77874	18.23	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	72134	19.66	ug/l	99
28) Bromochloromethane	5.02	49	57528	20.23	ug/l	99
29) Tetrahydrofuran	5.15	42	160031	93.07	ug/l	99
30) Chloroform	5.22	83	117692	19.39	ug/l	91
31) Cyclohexane	5.57	56	106963	20.15	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	98010	20.05	ug/l	98
36) 1,1-Dichloropropene	5.80	75	87683	18.86	ug/l	98
37) Ethyl Acetate	4.85	43	93118	17.61	ug/l	99
38) Carbon Tetrachloride	5.79	117	84073	18.51	ug/l	93

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 Data File : VX004551.D
 Acq On : 14 Sep 2018 20:14
 Operator : JC/MD
 Sample : VX0914WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0914WBSD01

Manual Integrations
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Quant Time: Sep 15 05:59:27 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)
39) Methylcyclohexane	7.46	83	89875	18.52	ug/l	98
40) Benzene	6.15	78	274058	19.86	ug/l	100
41) Methacrylonitrile	5.06	41	53463	18.35	ug/l	99
42) 1,2-Dichloroethane	6.20	62	87696	19.16	ug/l	99
43) Isopropyl Acetate	6.46	43	140706	20.03	ug/l	99
44) Trichloroethene	7.21	130	67379	18.80	ug/l	86
45) 1,2-Dichloropropane	7.52	63	62573	18.85	ug/l	95
46) Dibromomethane	7.66	93	38522	18.37	ug/l	99
47) Bromodichloromethane	7.90	83	70984	17.90	ug/l	100
48) Methyl methacrylate	7.77	41	63936	18.39	ug/l	96
49) 1,4-Dioxane	7.76	88	30950	376.16	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	417489	84.22	ug/l	98
52) Toluene	8.79	92	154055	18.95	ug/l	94
53) t-1,3-Dichloropropene	9.04	75	88579	19.12	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	86843	18.39	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	70997	20.28	ug/l	97
56) Ethyl methacrylate	9.18	69	99331	20.06	ug/l	98
57) 1,3-Dichloropropane	9.37	76	115742	20.35	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	215343	90.15	ug/l	97
59) 2-Hexanone	9.50	43	361879	95.17	ug/l	97
60) Dibromochloromethane	9.59	129	63639	19.31	ug/l	100
61) 1,2-Dibromoethane	9.68	107	66952	20.02	ug/l	100
64) Tetrachloroethene	9.34	164	85424	20.59	ug/l	91
65) Chlorobenzene	10.14	112	163301	19.78	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	56878	19.98	ug/l	98
67) Ethyl Benzene	10.25	91	268296	19.99	ug/l	96
68) m/p-Xylenes	10.36	106	212433	41.09	ug/l	97
69) o-Xylene	10.70	106	104142	20.95	ug/l	99
70) Styrene	10.71	104	171265	20.80	ug/l	99
71) Bromoform	10.86	173	44088	18.86	ug/l	99
73) Isopropylbenzene	11.02	105	275987	21.06	ug/l	100
74) N-amyl acetate	10.90	43	109970	19.94	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	82225	19.45	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	79184m	19.78	ug/l	
77) Bromobenzene	11.26	156	73140	20.19	ug/l	99
78) n-propylbenzene	11.36	91	310152	20.59	ug/l	99
79) 2-Chlorotoluene	11.42	91	187418	20.51	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	230439	20.92	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	22421	17.85	ug/l	98
82) 4-Chlorotoluene	11.51	91	214409	20.10	ug/l	100
83) tert-Butylbenzene	11.77	119	219831	20.96	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	238509	21.21	ug/l	99
85) sec-Butylbenzene	11.94	105	279068	20.88	ug/l	99
86) p-Isopropyltoluene	12.06	119	257800	21.85	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	134228	19.86	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	134470	19.26	ug/l	99
89) n-Butylbenzene	12.39	91	199827	18.58	ug/l	98
90) Hexachloroethane	12.60	117	35512	18.80	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	135106	19.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17787	19.71	ug/l	99

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Data File : VX004551.D
Acq On : 14 Sep 2018 20:14
Operator : JC/MD
Sample : VX0914WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Manual Integrations
APPROVED

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Quant Time: Sep 15 05:59:27 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.65	180	112105	23.15	ug/l	95
94) Hexachlorobutadiene	13.79	225	49865	19.71	ug/l	96
95) Naphthalene	13.83	128	302199	22.25	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	99843	20.07	ug/l	99

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

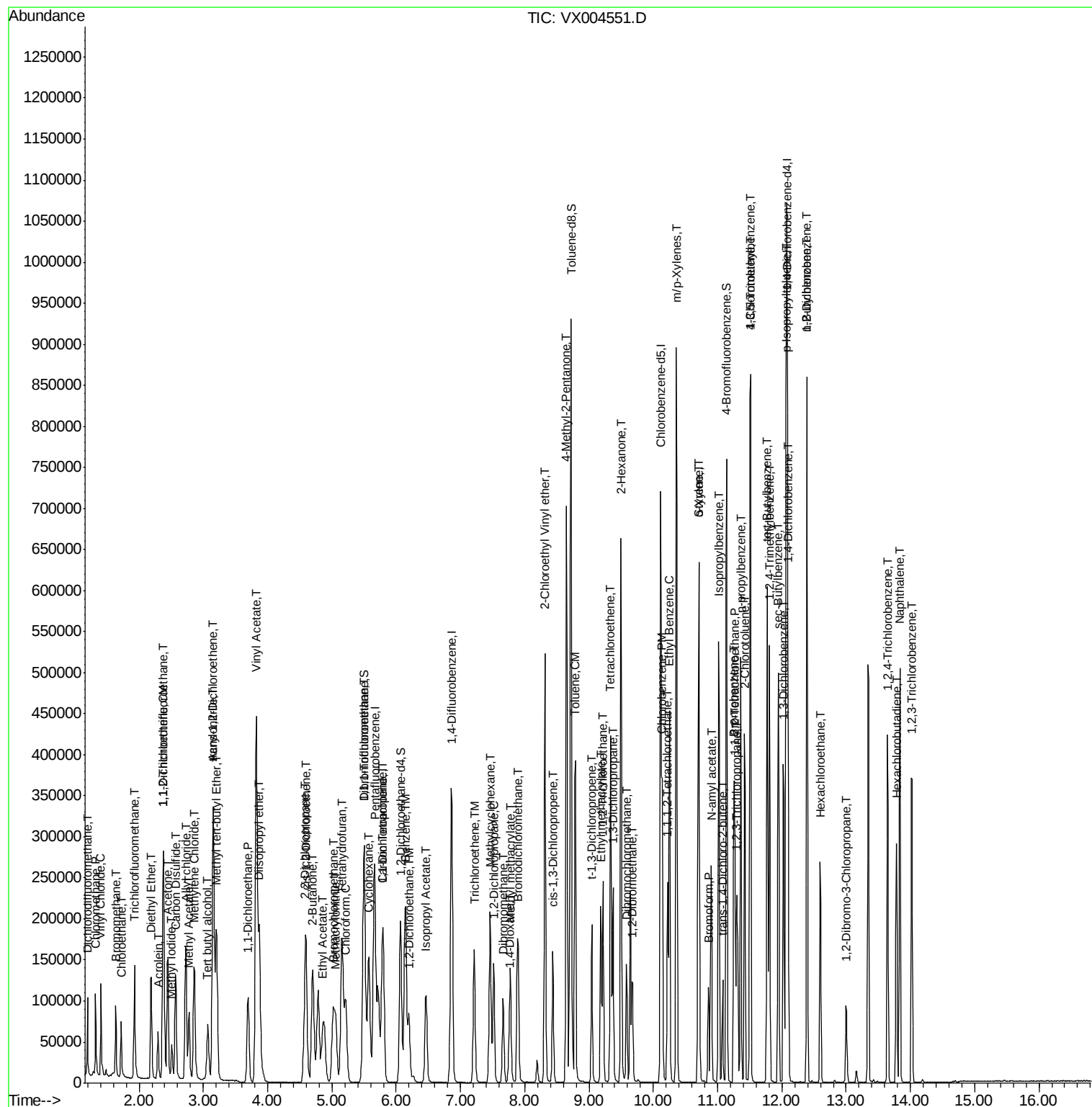
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 Data File : VX004551.D
 Acq On : 14 Sep 2018 20:14
 Operator : JC/MD
 Sample : VX0914WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

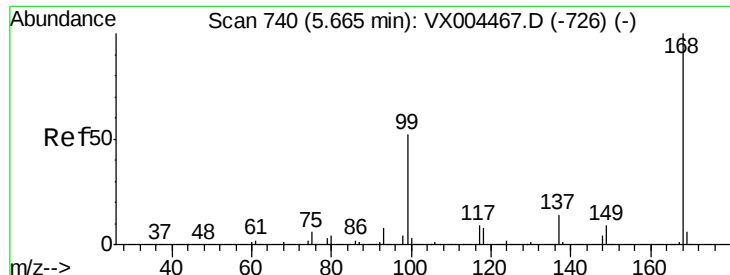
Instrument :
 MSVOA_X
 Client Sample ID :
 VX0914WBSD01

Manual Integrations
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Quant Time: Sep 15 05:59:27 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBSD01

Tot Ion:168 Resp: 284674

Ion Ratio Lower Upper

168 100

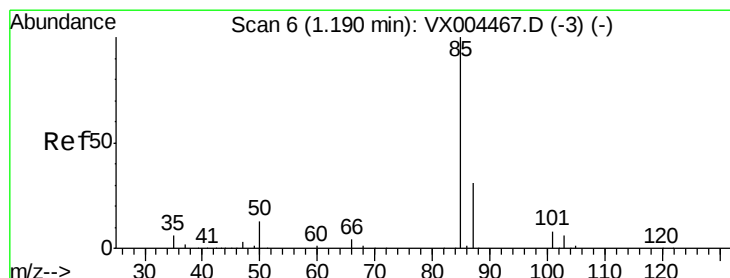
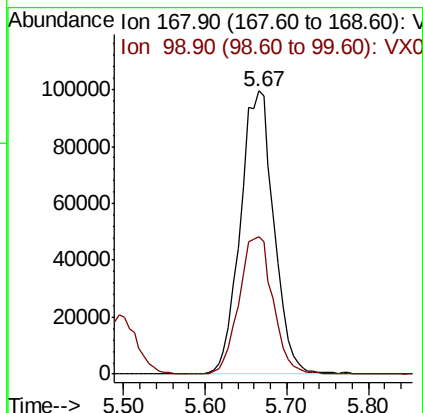
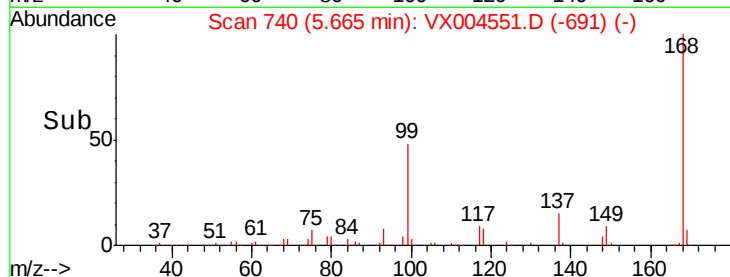
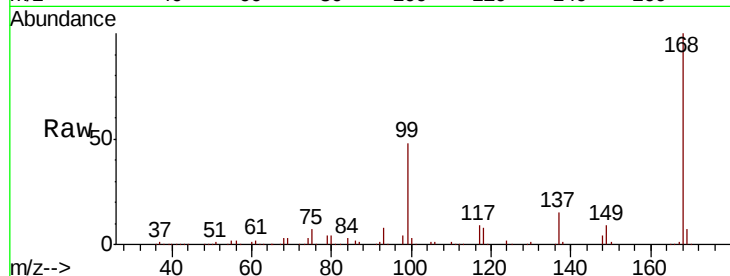
99 48.4 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.83 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004551.D

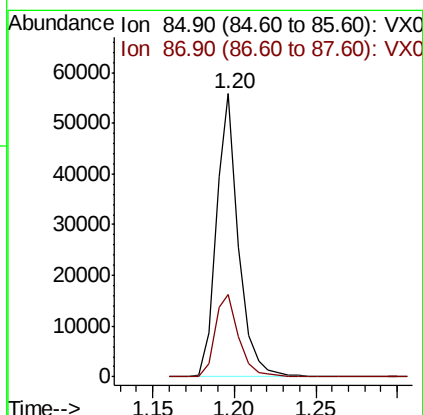
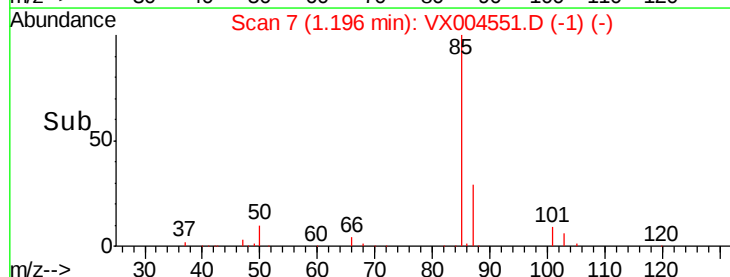
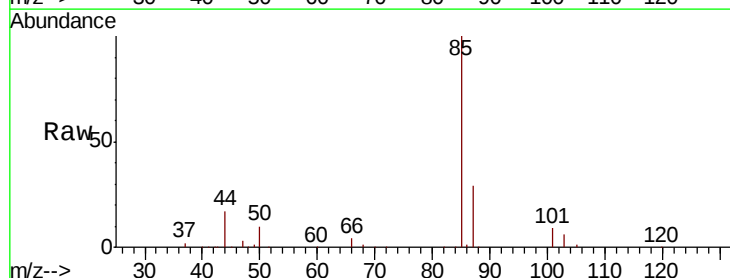
Acq: 14 Sep 2018 20:14

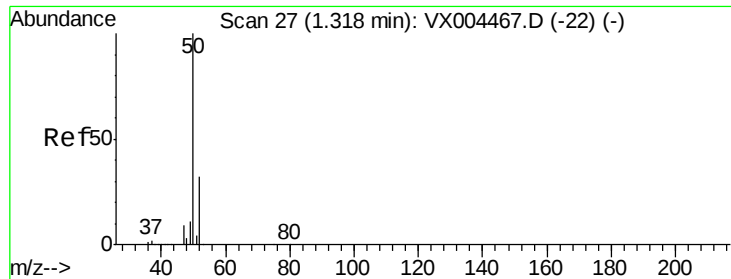
Tgt Ion: 85 Resp: 52901

Ion Ratio Lower Upper

85 100

87 29.2 17.0 50.9





#3

Chloromethane

Concen: 18.01 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampled :

VX0914WBSD01

Tot Ion: 50 Resp: 66114

Ion Ratio Lower Upper

50 100

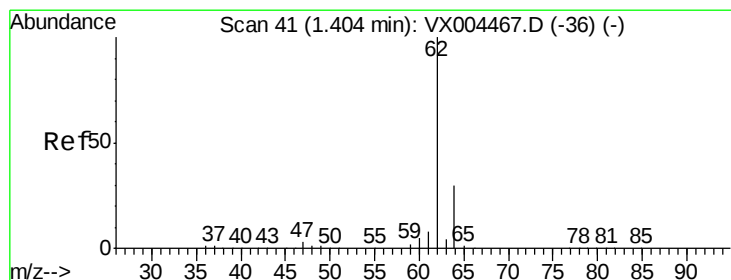
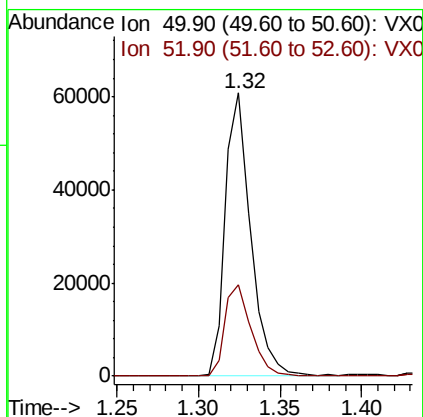
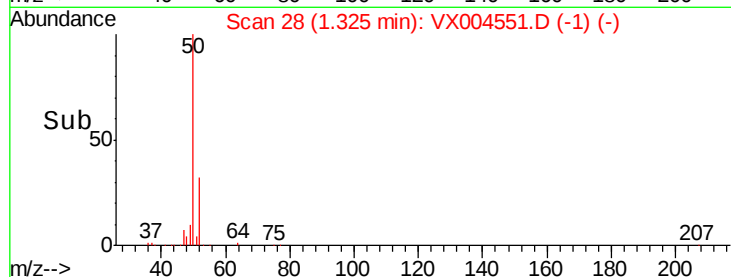
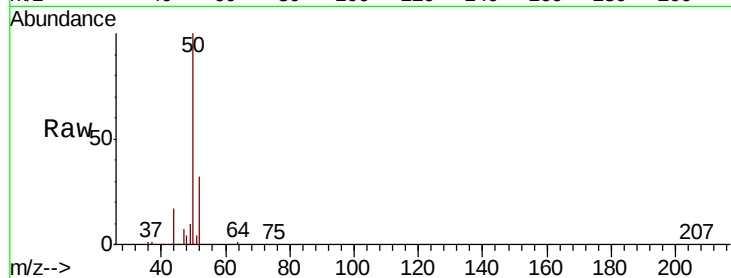
52 32.1 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.75 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004551.D

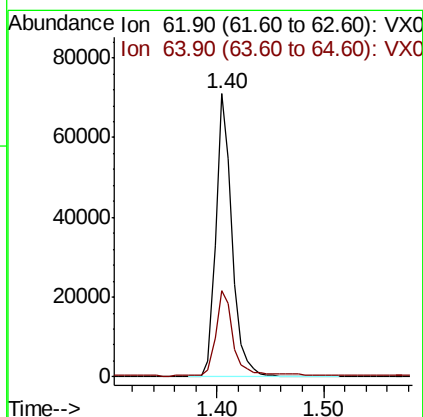
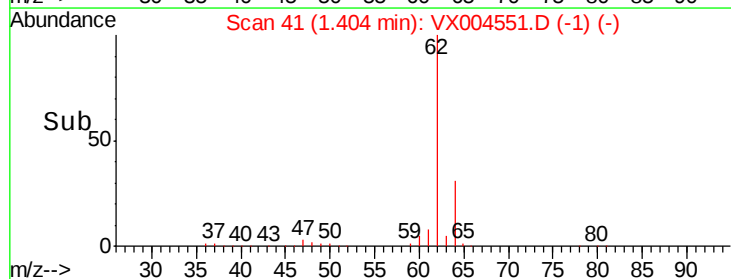
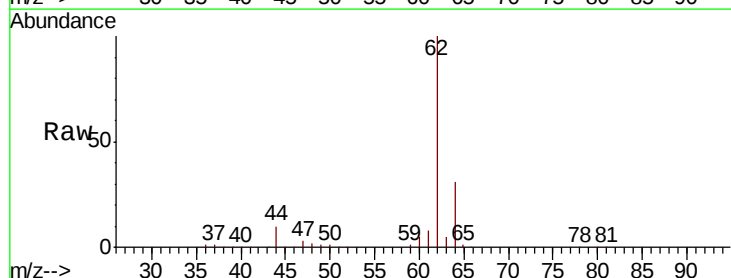
Acq: 14 Sep 2018 20:14

Tgt Ion: 62 Resp: 74418

Ion Ratio Lower Upper

62 100

64 30.1 25.8 38.8





#5

Bromomethane

Concen: 17.30 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBSD01

Tot Ion: 94 Resp: 28513

Ion Ratio Lower Upper

94 100

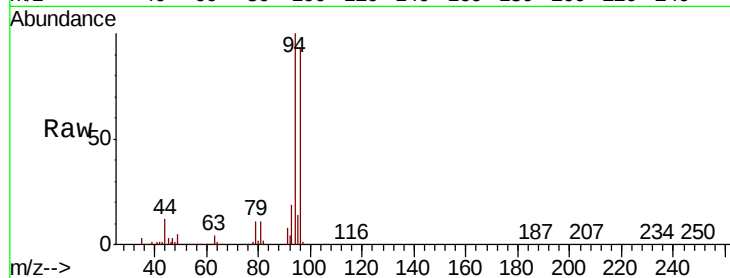
96 93.4 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

30000

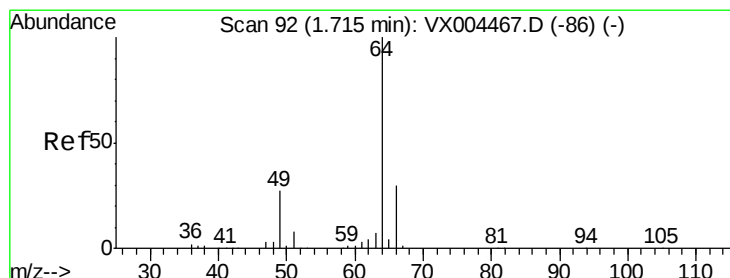
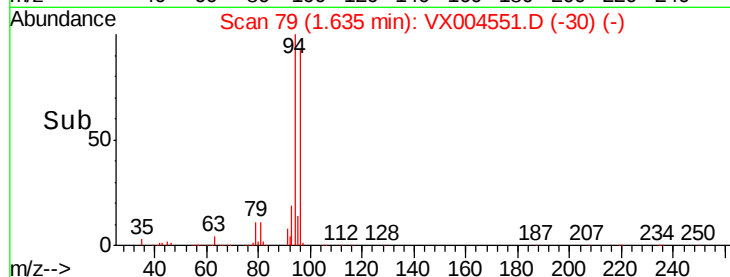
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10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 19.82 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004551.D

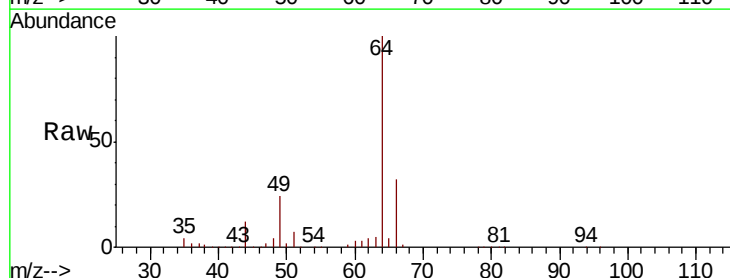
Acq: 14 Sep 2018 20:14

Tgt Ion: 64 Resp: 48290

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

40000

30000

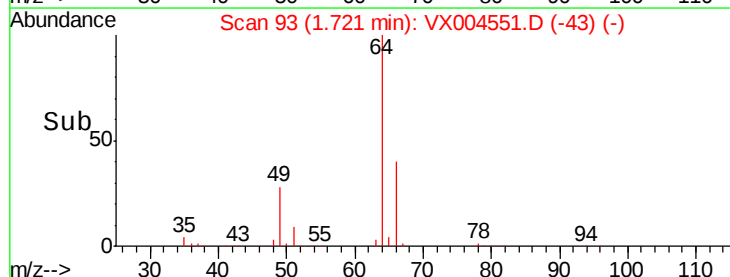
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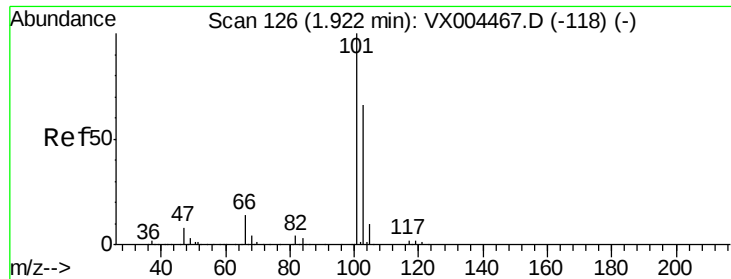
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1.60 1.70 1.80

Time-->





#7

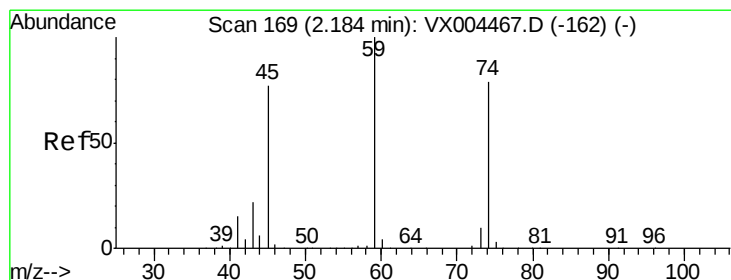
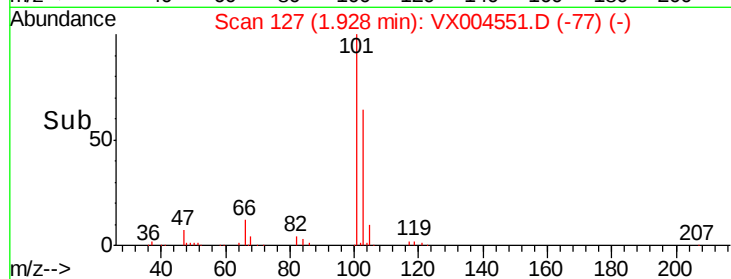
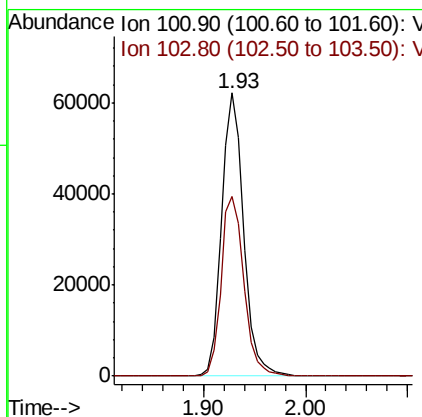
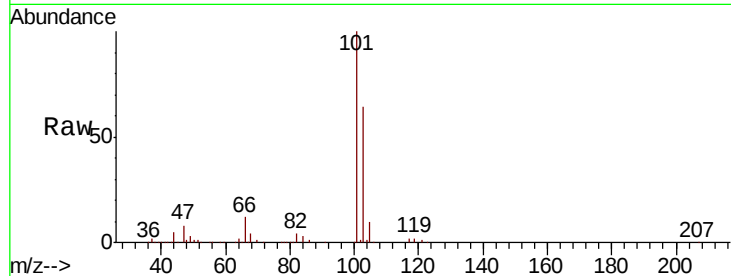
Trichlorofluoromethane
Concen: 18.70 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	48.9	73.3

Manual Integrations
APPROVED

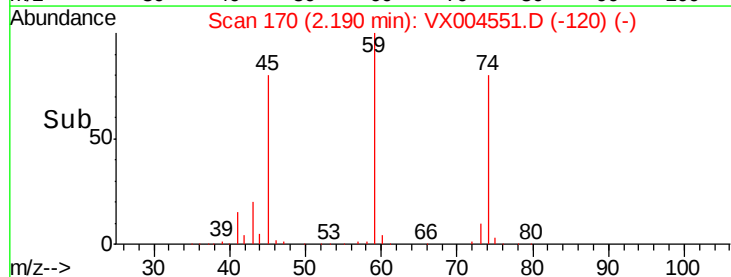
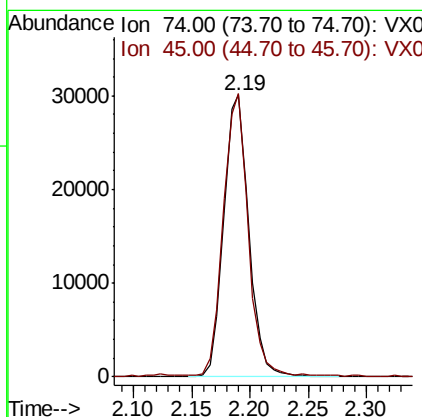
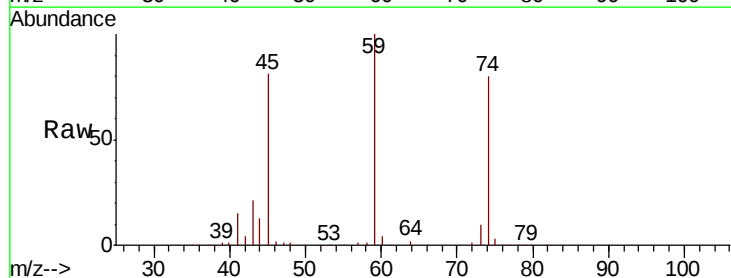
MMDadoda
9/17/2018 5:09:26 PM



#8

Diethyl Ether
Concen: 19.98 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.79 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

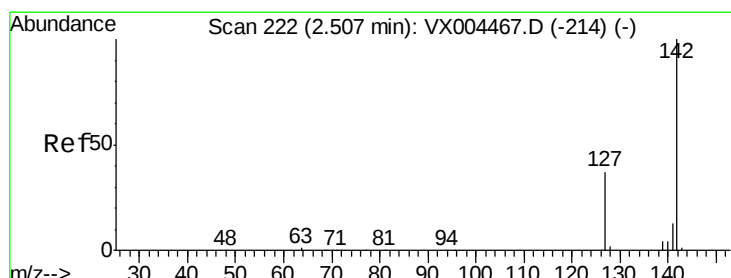
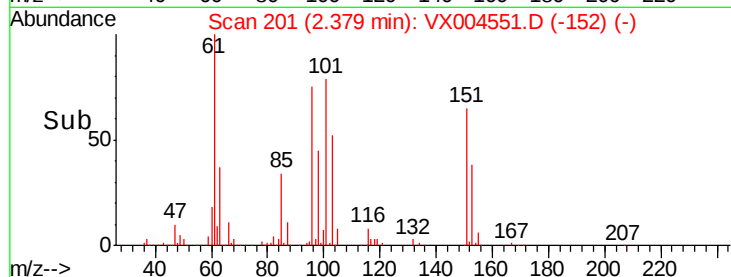
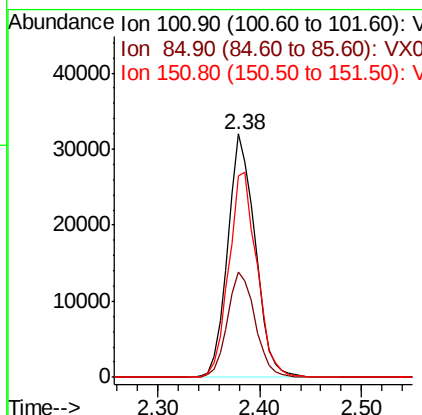
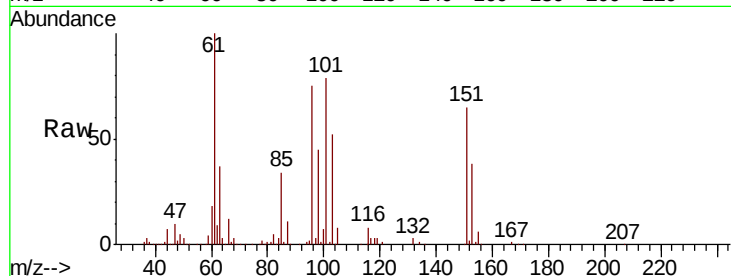
ClientSampled :

VX0914WBSD01

Tot Ion:	101	Resp:	59541
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.4
151	86.0	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 14.65 ug/l

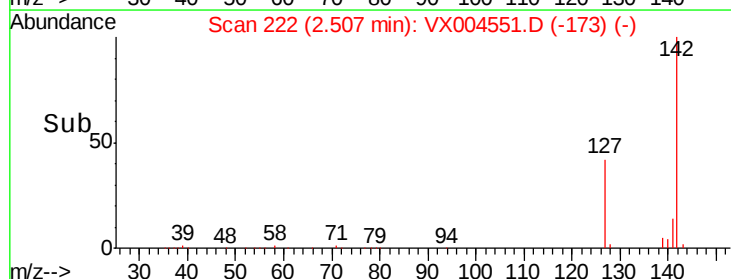
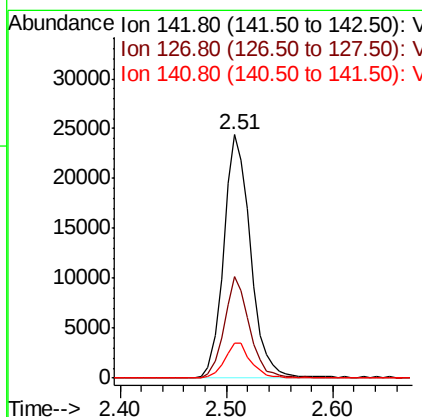
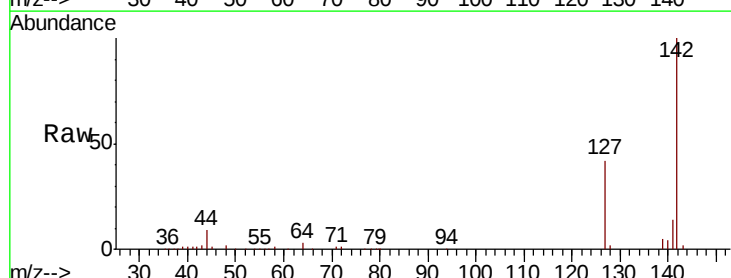
RT: 2.51 min Scan# 222

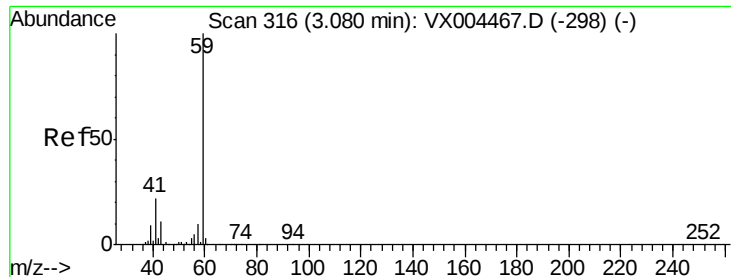
Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Tgt Ion:	142	Resp:	43057
Ion Ratio	Lower	Upper	
142	100		
127	39.1	33.8	50.6
141	13.9	11.4	17.0





#11

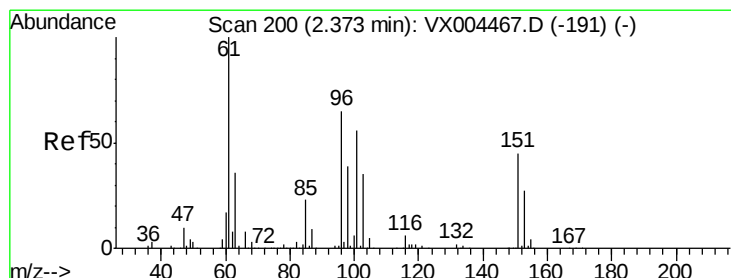
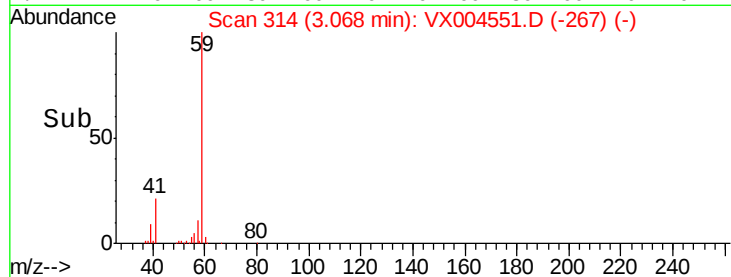
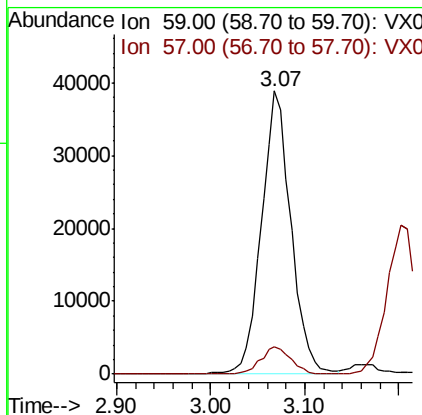
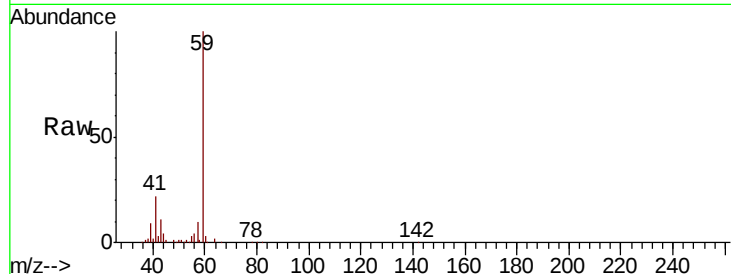
Tert butyl alcohol
Concen: 97.45 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.1	8.2	12.4

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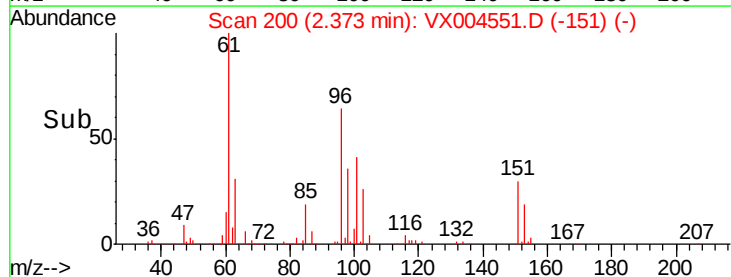
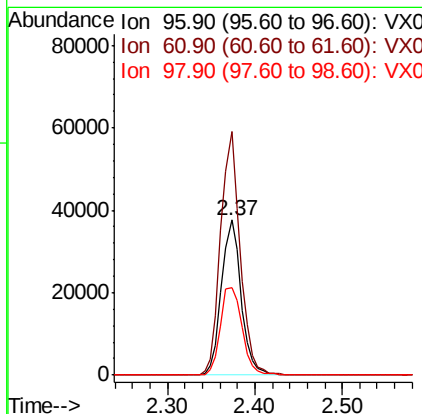
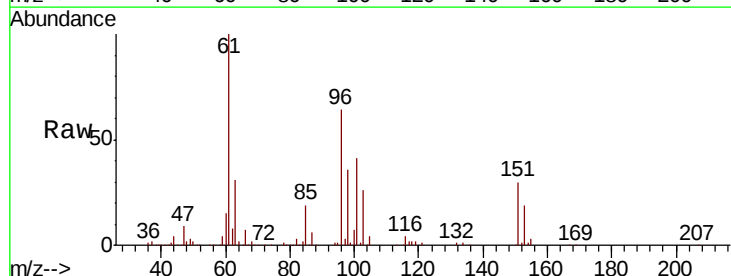
MMDadoda
9/17/2018 5:09:26 PM

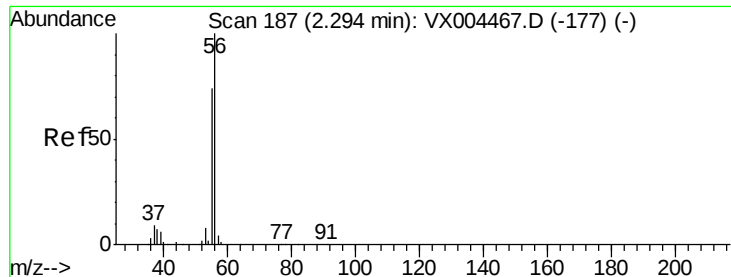


#12

1,1-Dichloroethene
Concen: 19.73 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	157.0	128.8	193.2
98	98	56.6	52.2	78.2





#13

Acrolein

Concen: 123.84 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBSD01

Tot Ion: 56 Resp: 42818

Ion Ratio Lower Upper

56 100

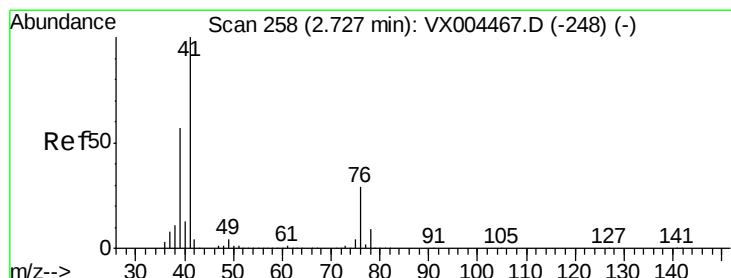
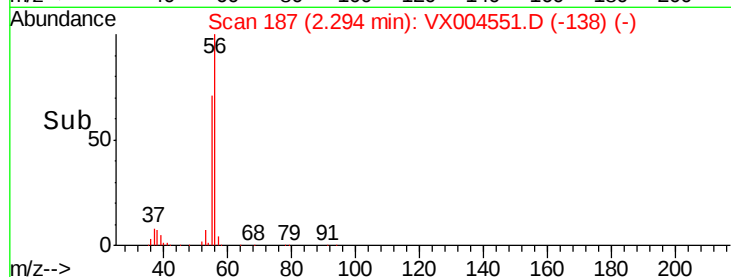
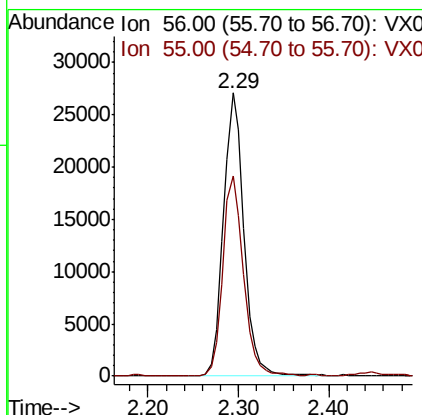
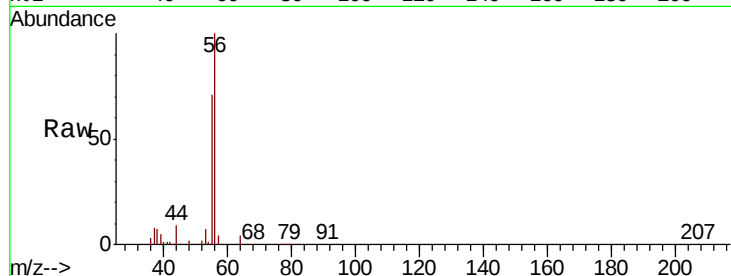
55 71.3 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.84 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

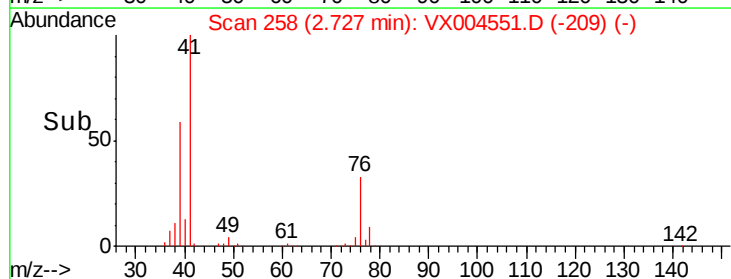
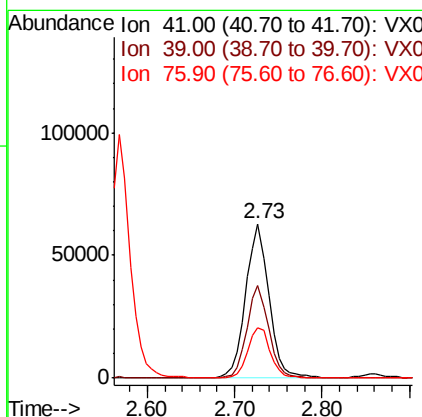
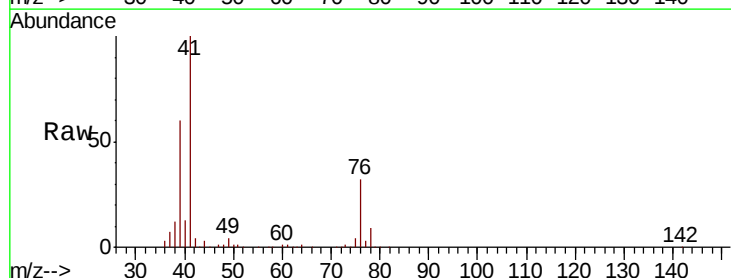
Tgt Ion: 41 Resp: 115185

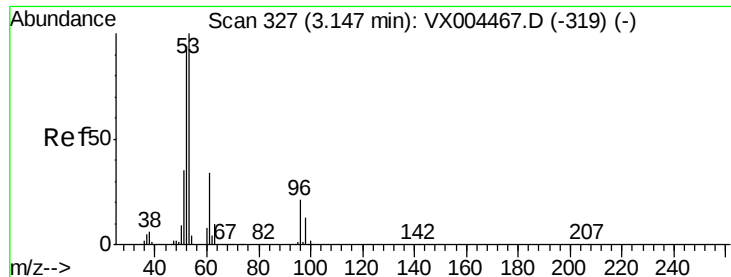
Ion Ratio Lower Upper

41 100

39 56.5 48.9 73.3

76 31.4 26.7 40.1





#15

Acrylonitrile

Concen: 92.81 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

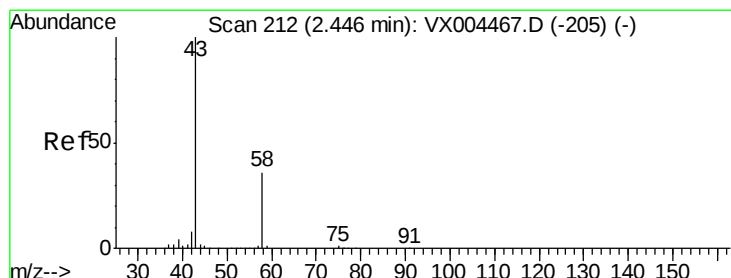
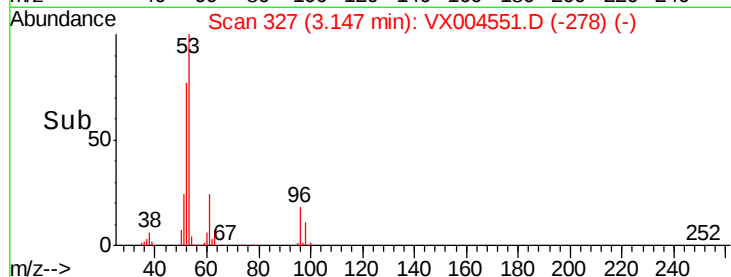
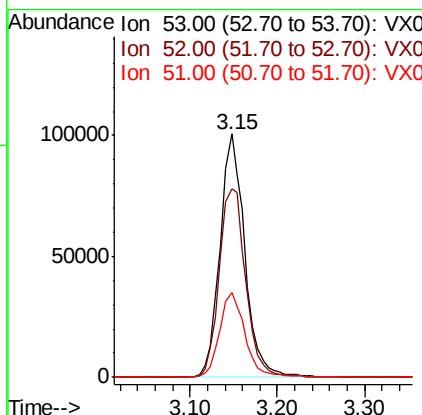
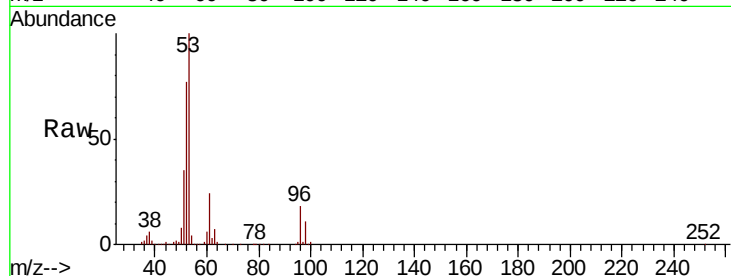
ClientSampleId :

VX0914WBSD01

Tot Ion:	53	Resp:	195749
Ion Ratio	Lower	Upper	
53	100		
52	83.5	65.2	97.8
51	36.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 86.73 ug/l

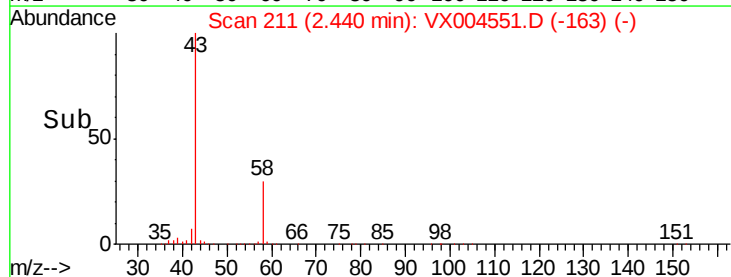
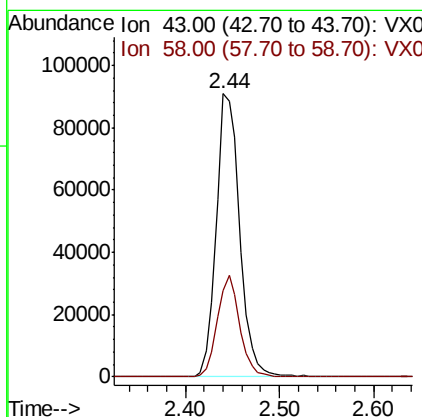
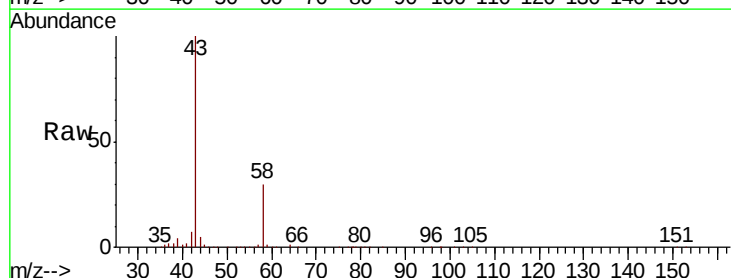
RT: 2.44 min Scan# 211

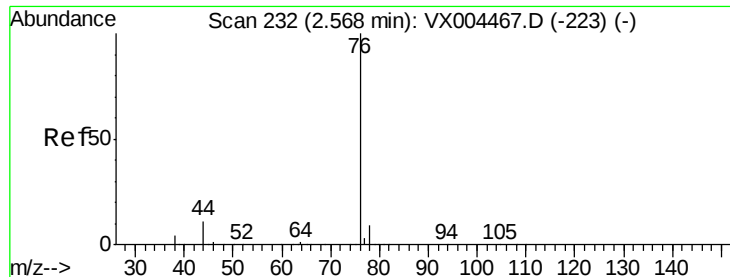
Delta R.T. -0.01 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Tgt Ion:	43	Resp:	155371
Ion Ratio	Lower	Upper	
43	100		
58	30.3	26.2	39.4





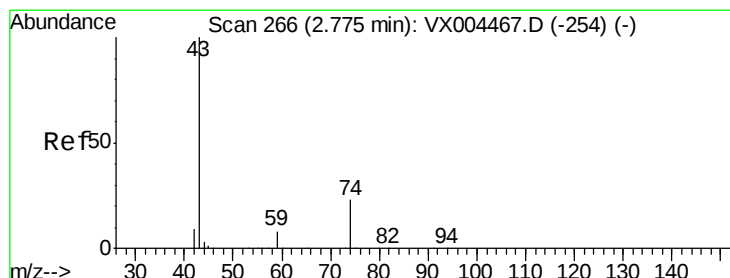
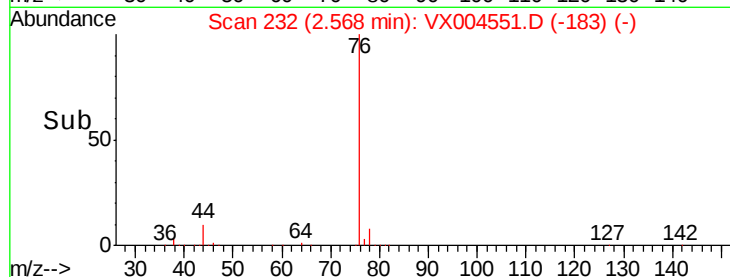
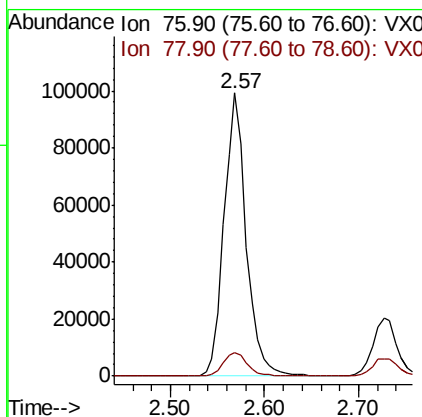
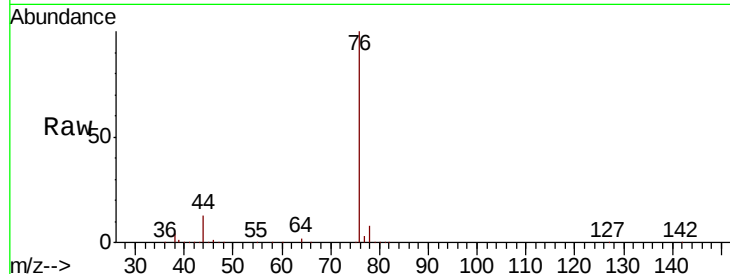
#17
Carbon Disulfide
Concen: 18.82 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.0	10.6

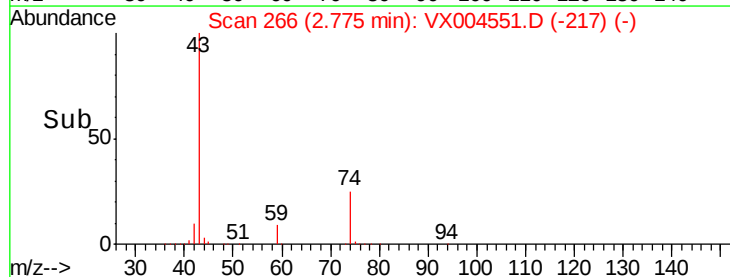
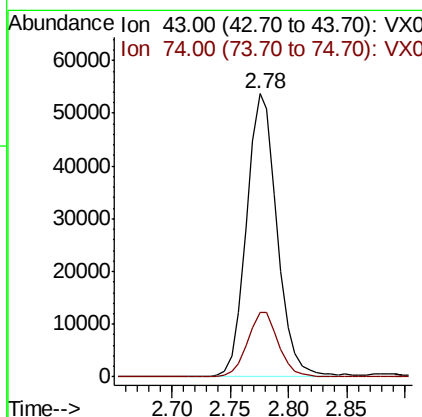
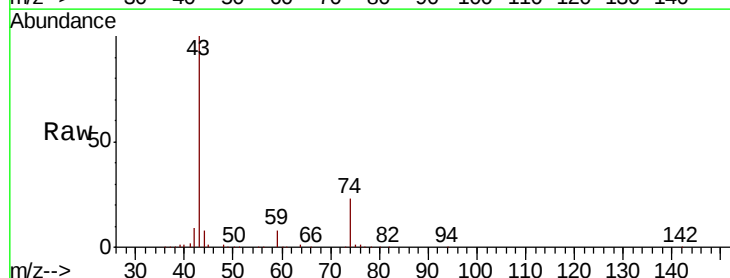
Manual Integrations
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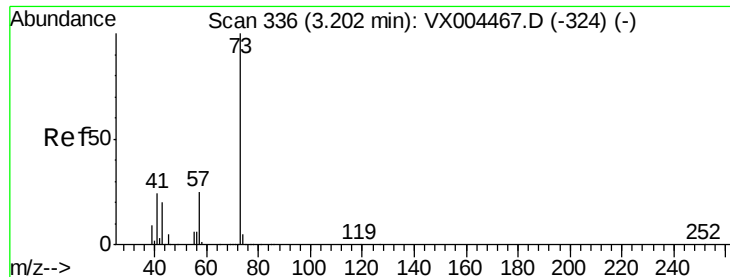
MMDadoda
9/17/2018 5:09:26 PM



#18
Methyl Acetate
Concen: 19.47 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





#19

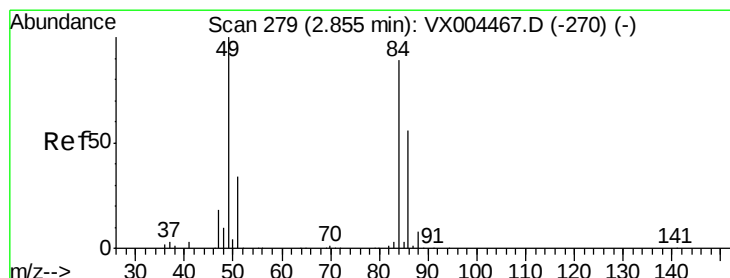
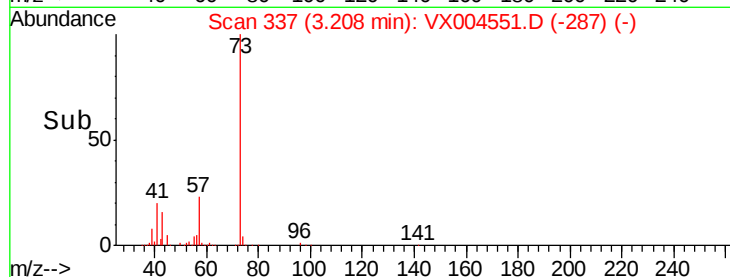
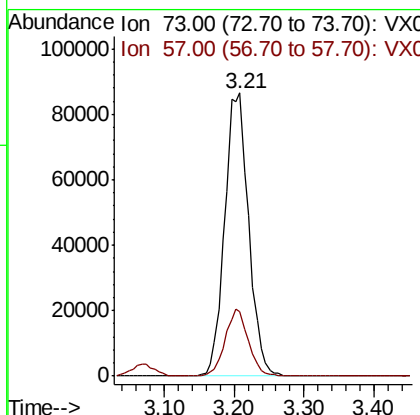
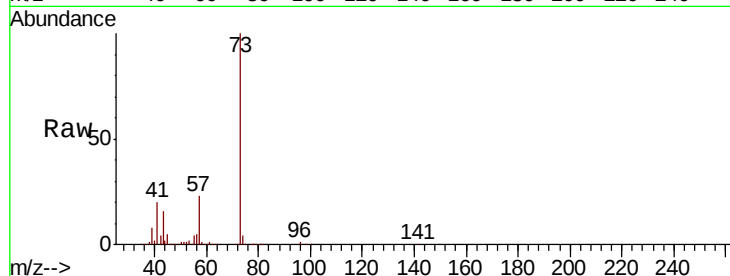
Methyl tert-butyl Ether
 Concen: 19.74 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0914WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.1	25.7

Manual Integrations
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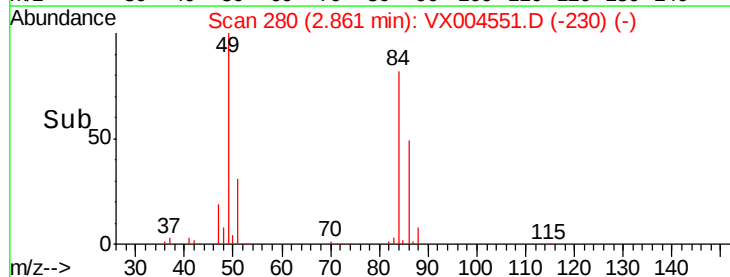
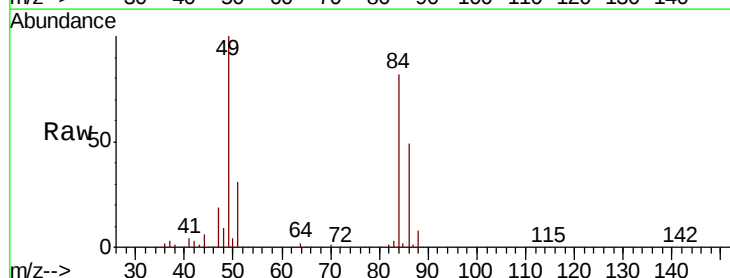
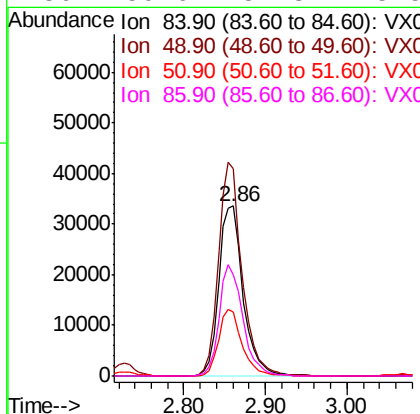
MMDadoda
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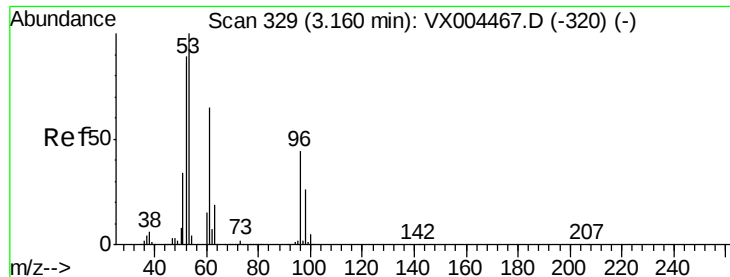


#20

Methylene Chloride
 Concen: 19.01 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.8	101.2	151.8
51	37.7	29.5	44.3
86	59.6	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.04 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

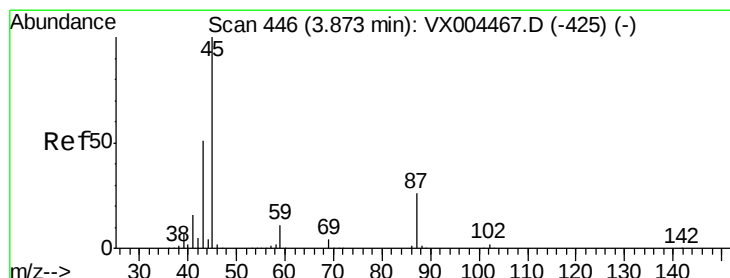
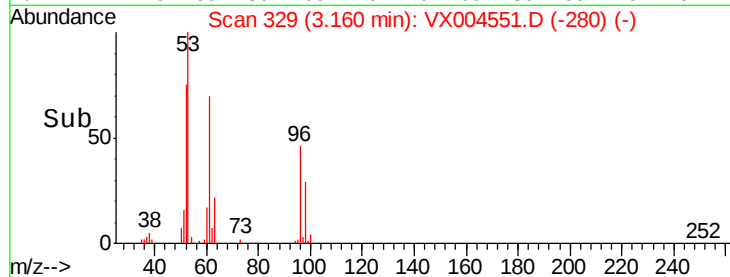
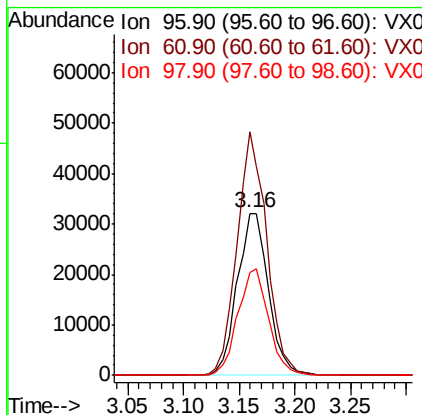
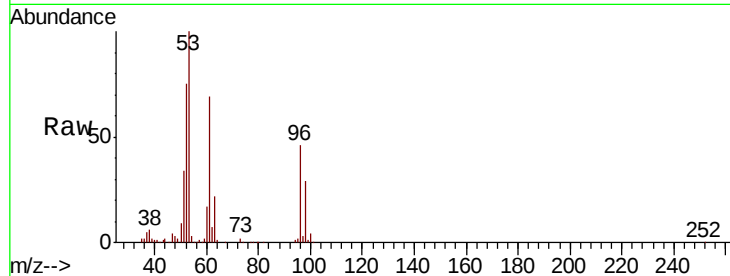
ClientSampleId :

VX0914WBSD01

Tot Ion:	96	Resp:	62574
Ion	Ratio	Lower	Upper
96	100		
61	150.3	113.8	170.6
98	63.2	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.64 ug/l

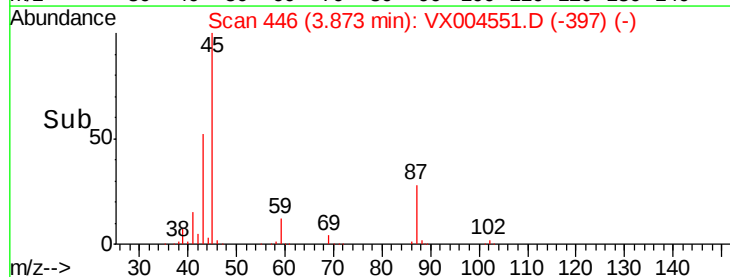
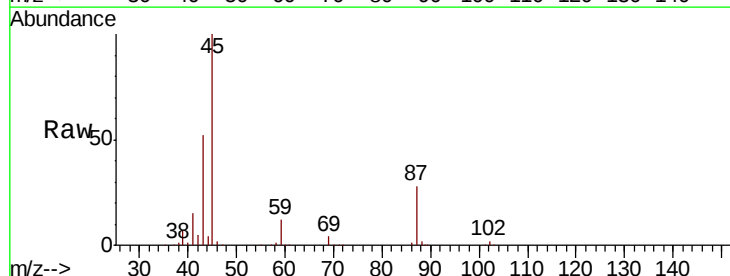
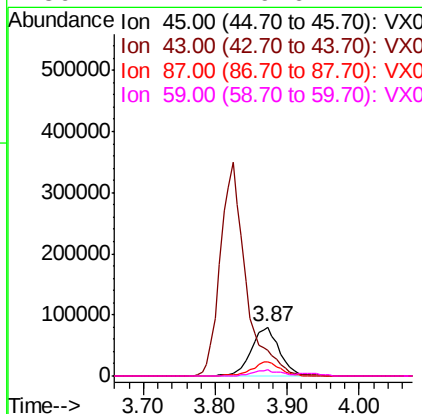
RT: 3.87 min Scan# 446

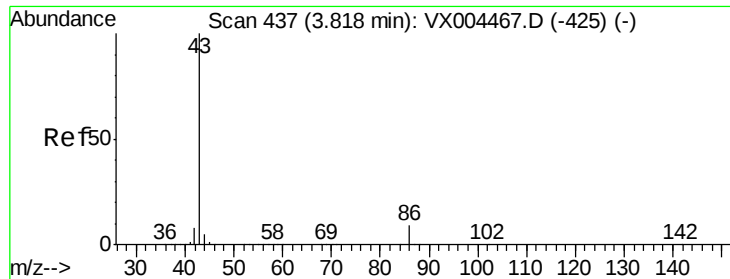
Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Tgt Ion:	45	Resp:	216277
Ion	Ratio	Lower	Upper
45	100		
43	52.0	42.8	64.2
87	28.1	22.6	34.0
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 97.26 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBSD01

Tot Ion: 43 Resp: 866909

Ion Ratio Lower Upper

43 100

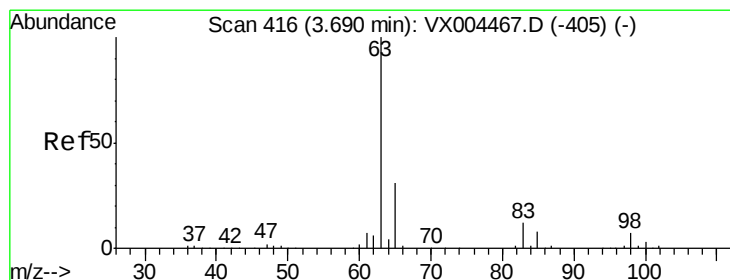
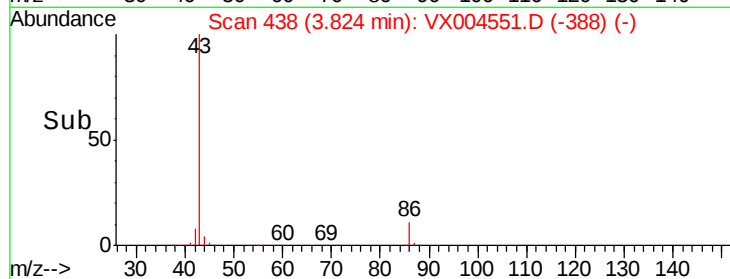
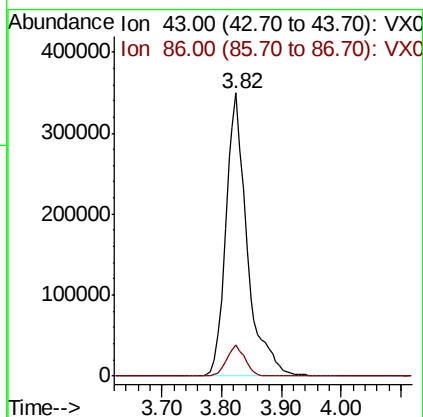
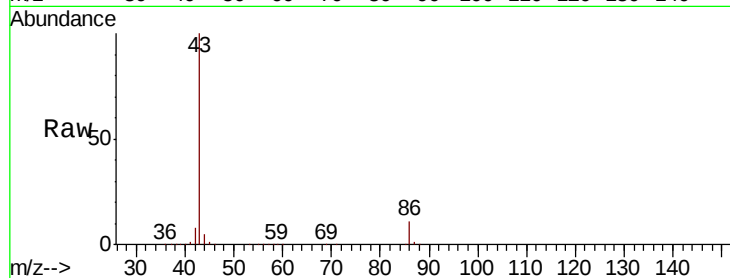
86 11.0 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.40 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

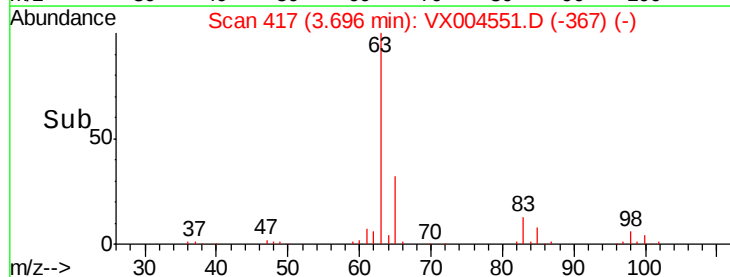
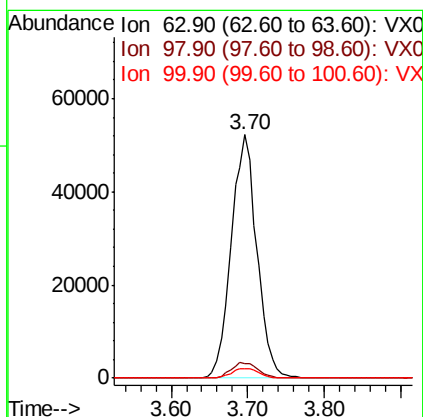
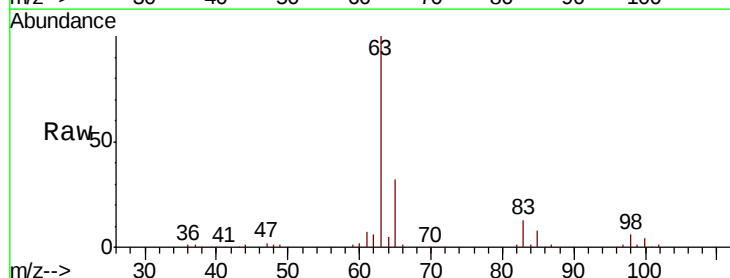
Tgt Ion: 63 Resp: 120663

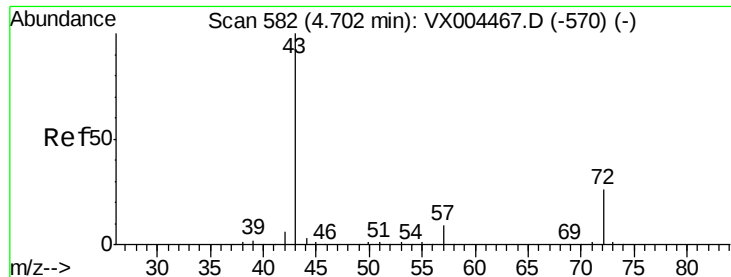
Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.4

100 3.9 2.4 7.1





#25

2-Butanone

Concen: 88.41 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBSD01

Tot Ion: 43 Resp: 252084

Ion Ratio Lower Upper

43 100

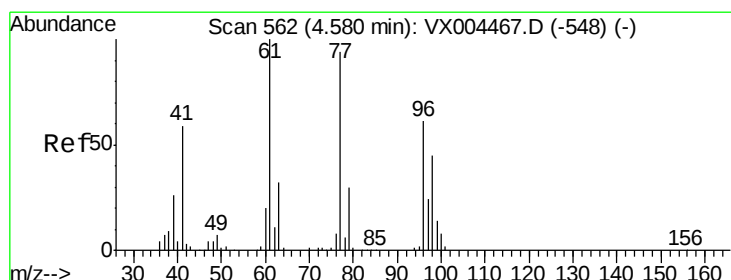
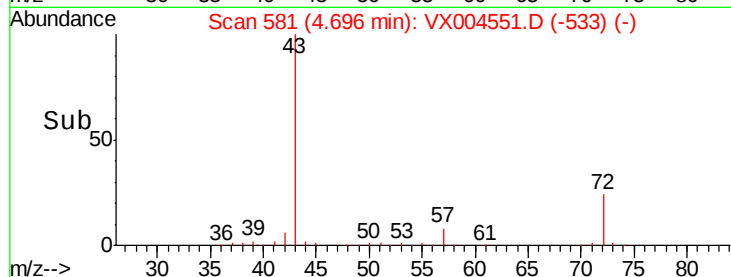
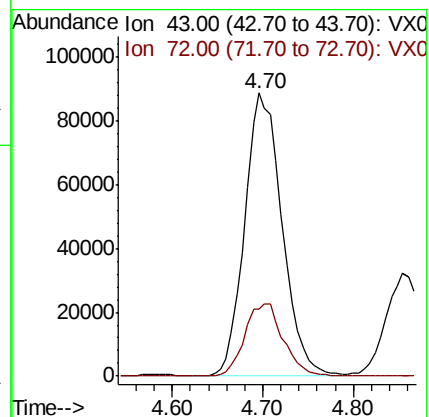
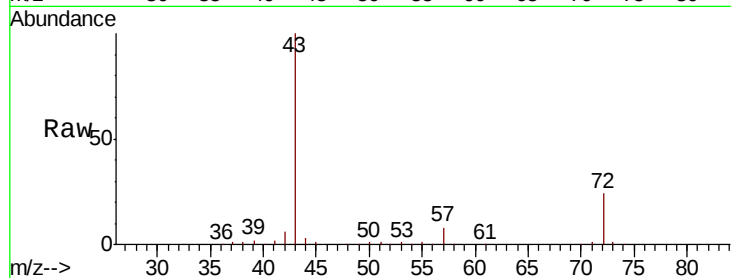
72 23.7 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.23 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004551.D

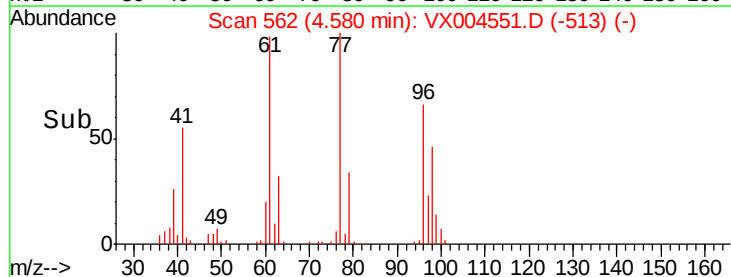
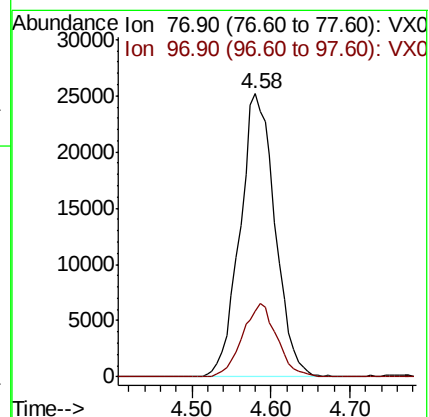
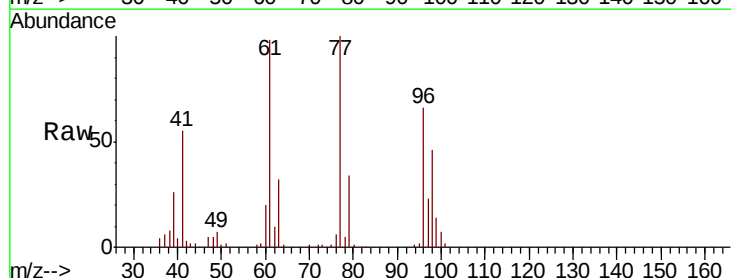
Acq: 14 Sep 2018 20:14

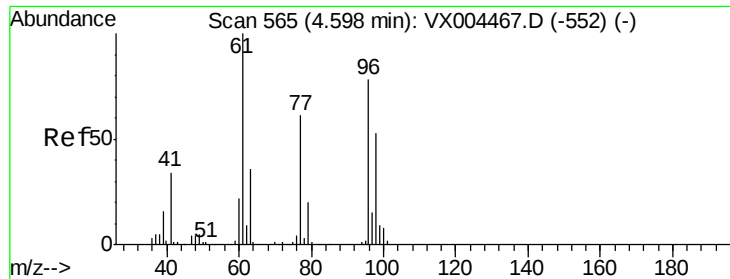
Tgt Ion: 77 Resp: 77874

Ion Ratio Lower Upper

77 100

97 25.4 11.7 35.0





#27

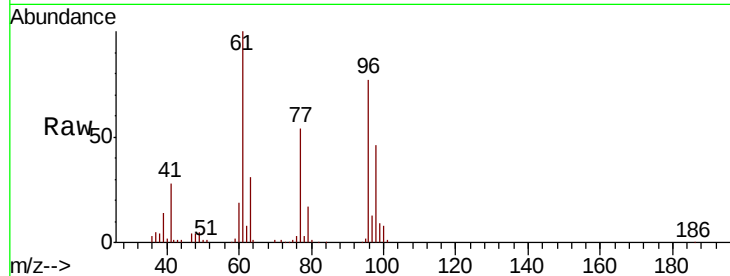
cis-1,2-Dichloroethene
Concen: 19.66 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	282.6
98	65.5	0.0	130.2

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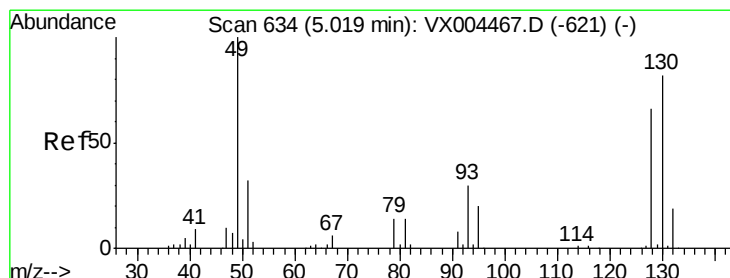
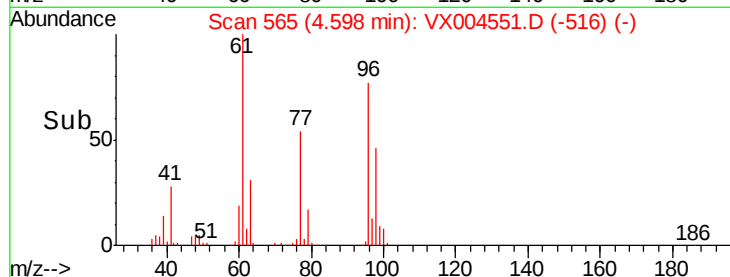
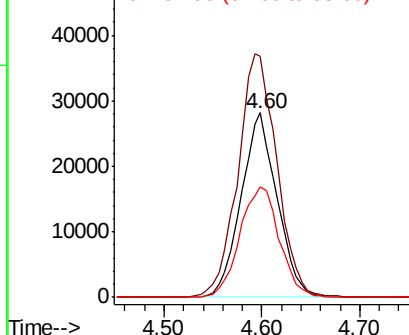


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

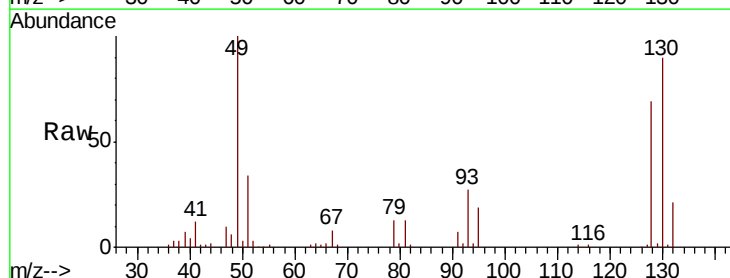
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 20.23 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	83.4	67.5	101.3

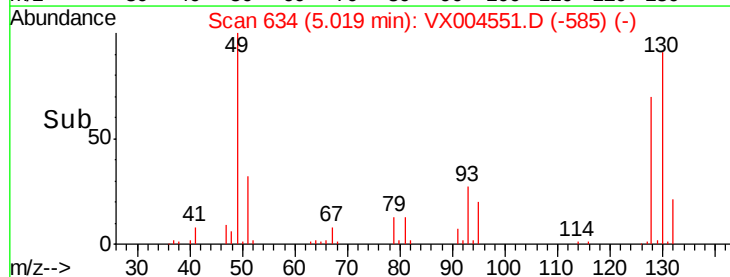
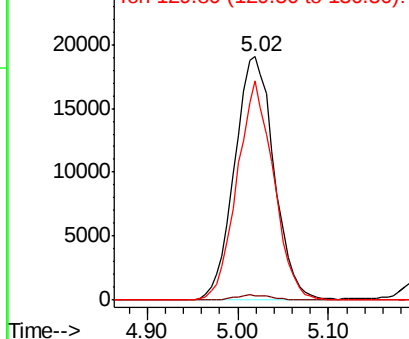


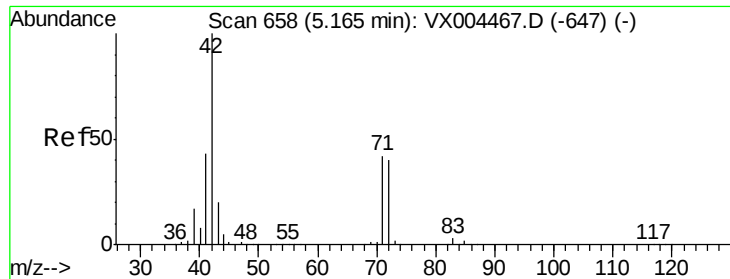
Abundance

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





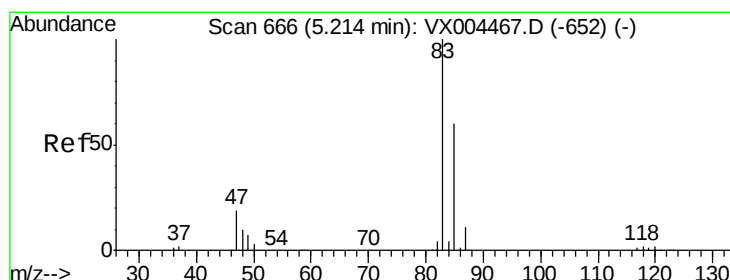
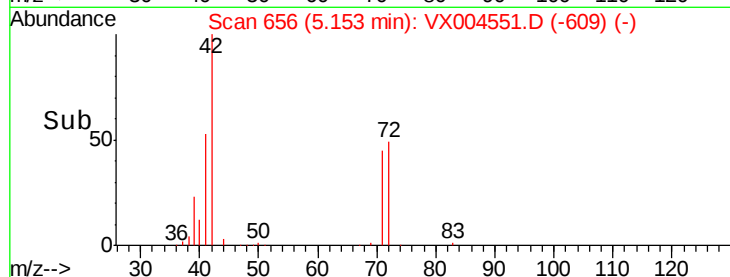
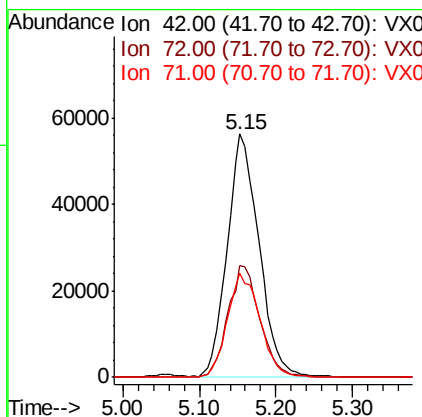
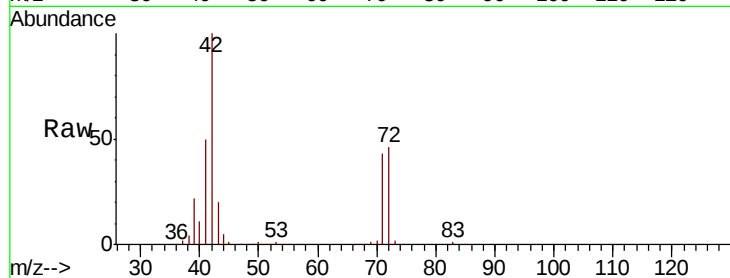
#29
Tetrahydrofuran
Concen: 93.07 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.0
71	44.3	34.5	51.7

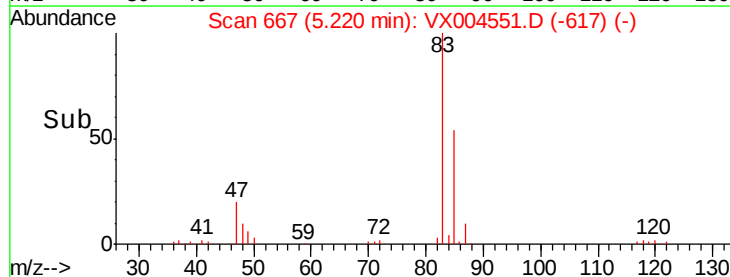
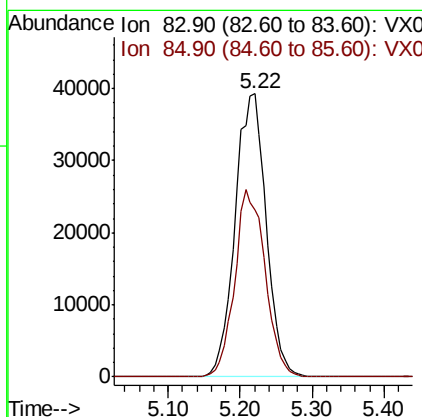
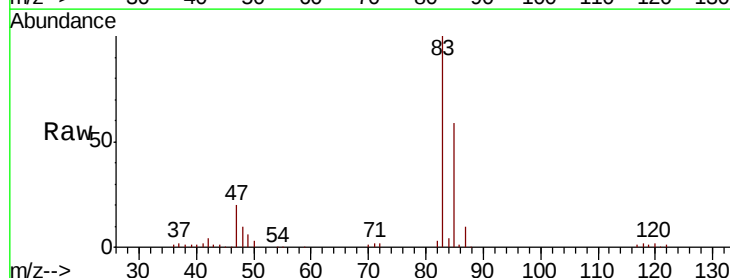
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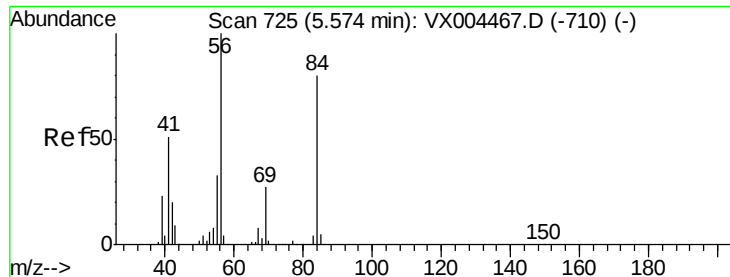
MMDadoda
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#30
Chloroform
Concen: 19.39 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.9	52.6	79.0





#31

Cyclohexane

Concen: 20.15 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

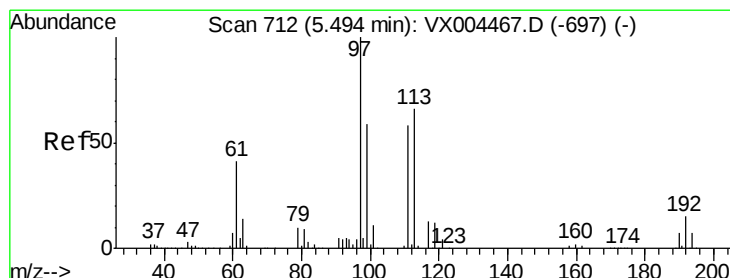
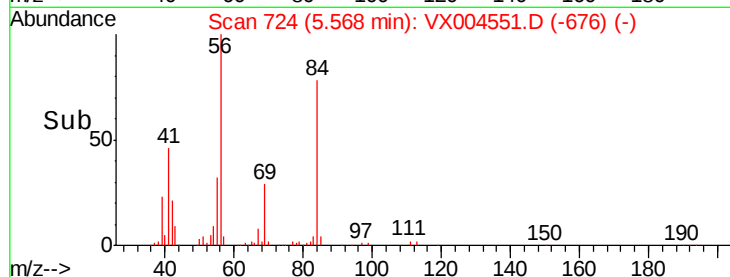
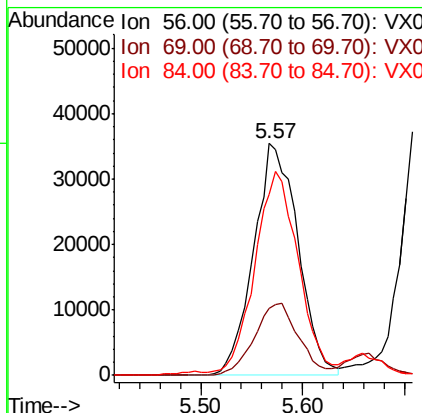
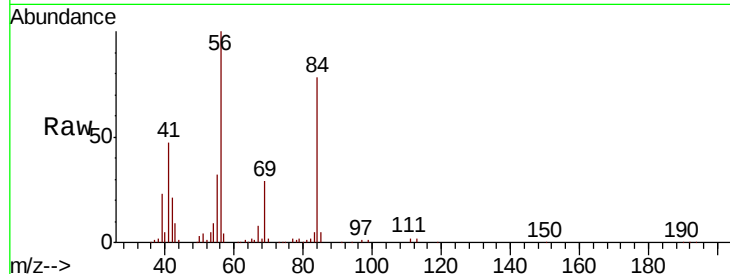
ClientSampleId :

VX0914WBSD01

Tot Ion:	56	Resp:	106963
Ion	Ratio	Lower	Upper
56	100		
69	28.7	25.4	38.2
84	76.6	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 20.05 ug/l

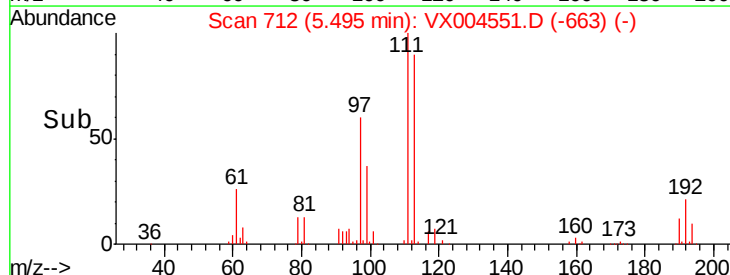
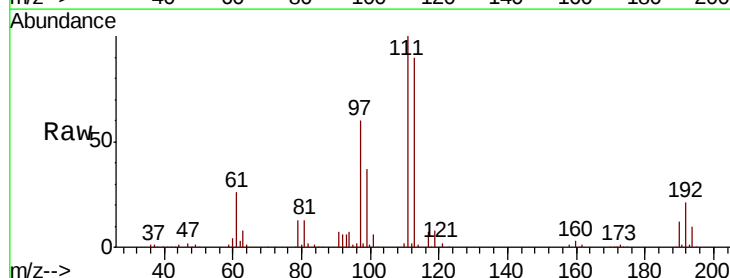
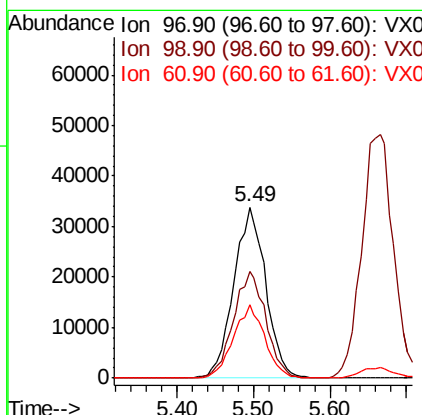
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Tgt Ion:	97	Resp:	98010
Ion	Ratio	Lower	Upper
97	100		
99	63.1	52.0	78.0
61	42.3	34.9	52.3





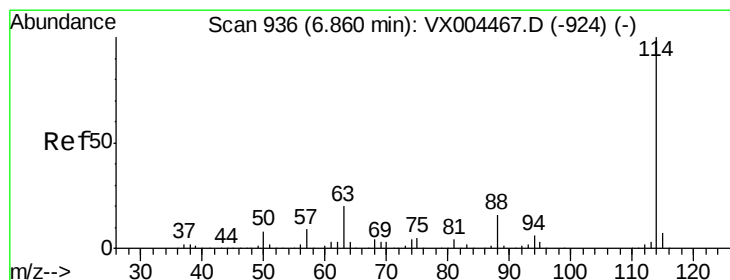
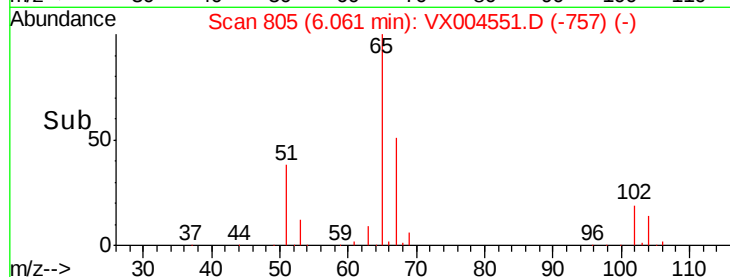
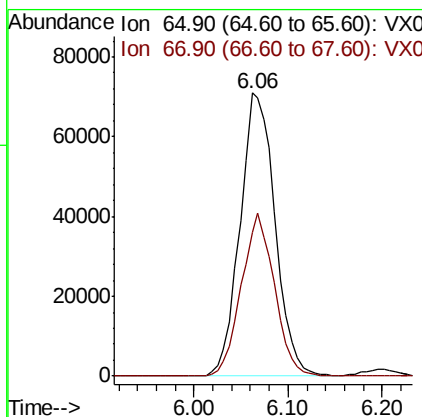
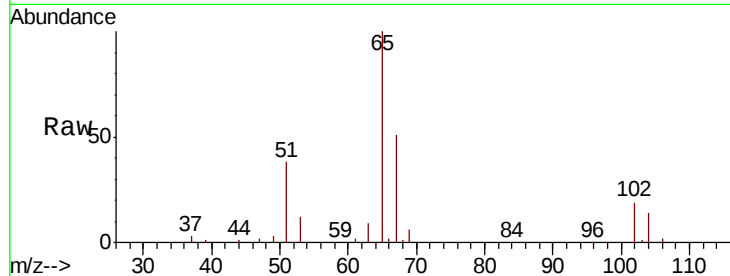
#33
 1,2-Dichloroethane-d4
 Concen: 50.36 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184855		
67	54.6	0.0	106.8	

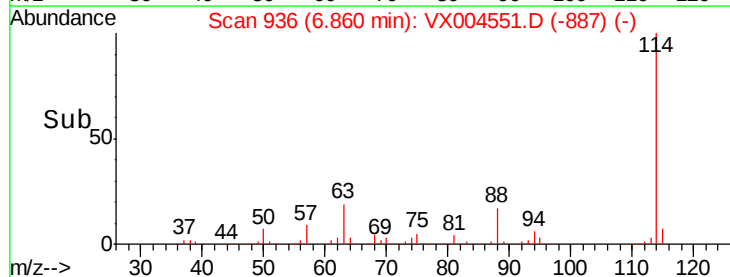
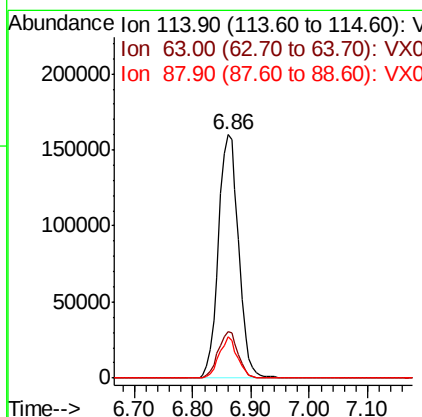
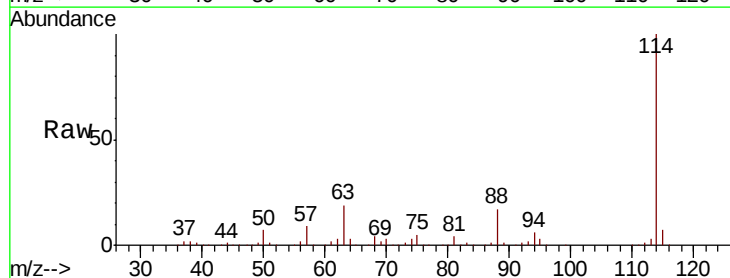
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	383018		
63	19.1	0.0	39.0	
88	17.0	0.0	30.4	





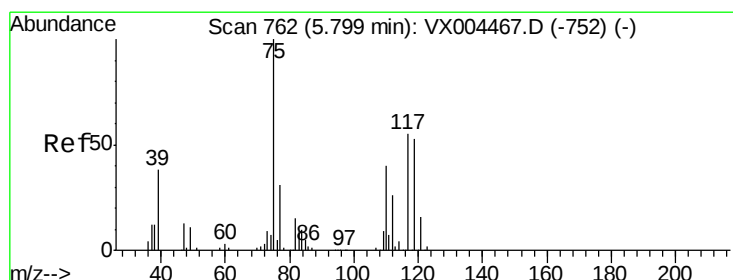
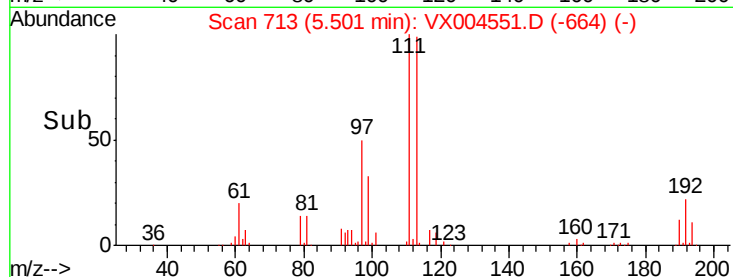
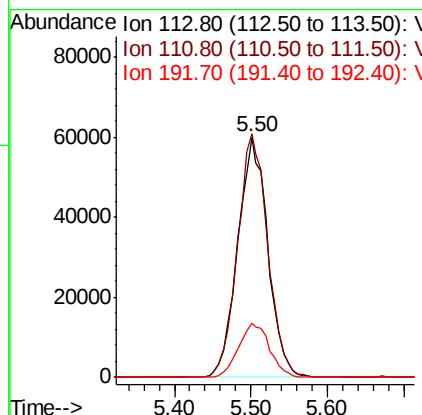
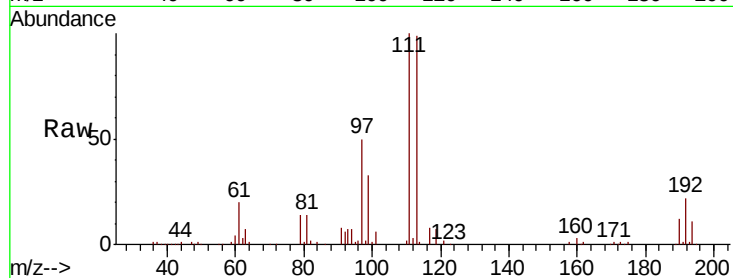
#35
Dibromofluoromethane
Concen: 46.56 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163174		
111	101.8	82.4	123.6	
192	23.3	19.4	29.2	

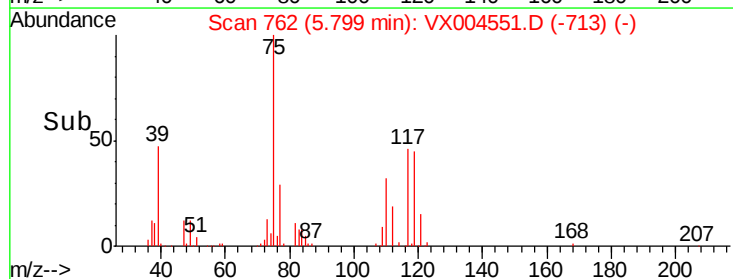
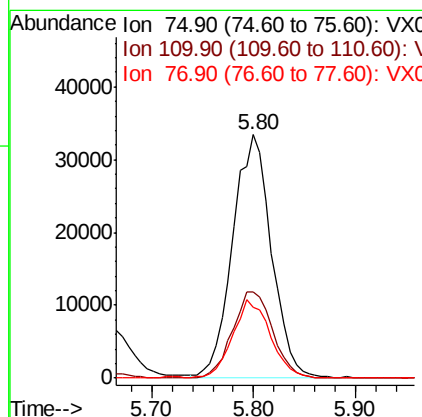
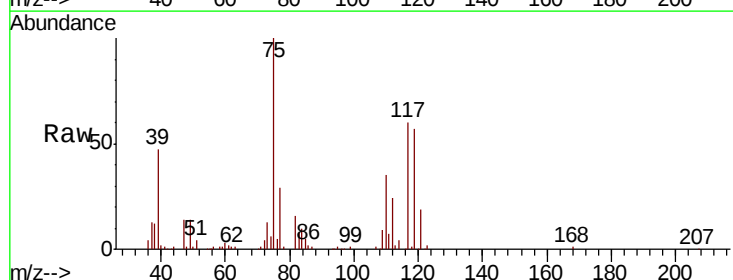
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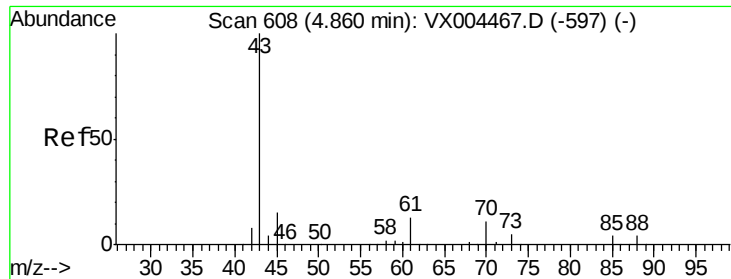
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#36
1,1-Dichloropropene
Concen: 18.86 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	87683		
110	37.1	18.0	54.0	
77	31.7	24.6	36.8	





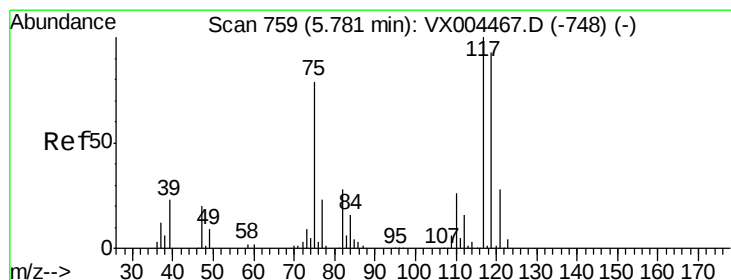
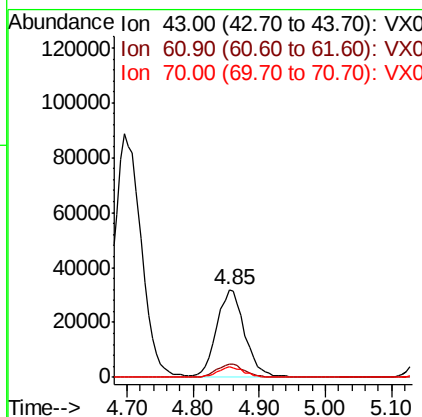
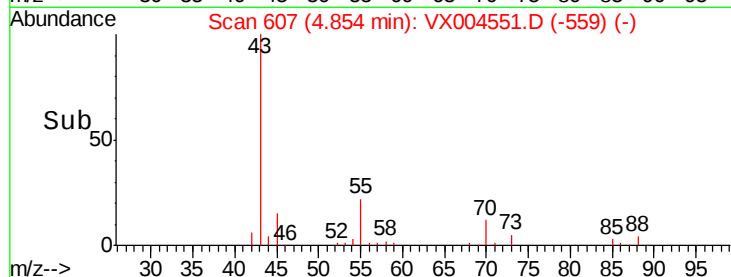
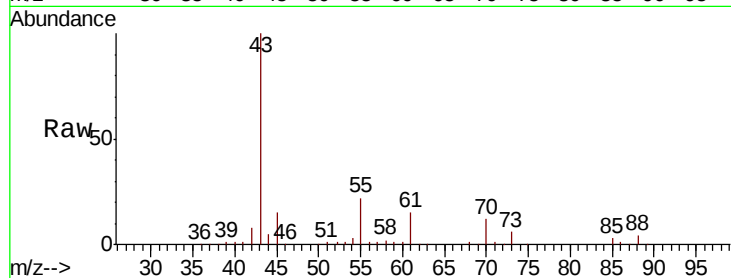
#37
Ethyl Acetate
Concen: 17.61 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.5	17.3
70	11.2	9.0	13.6

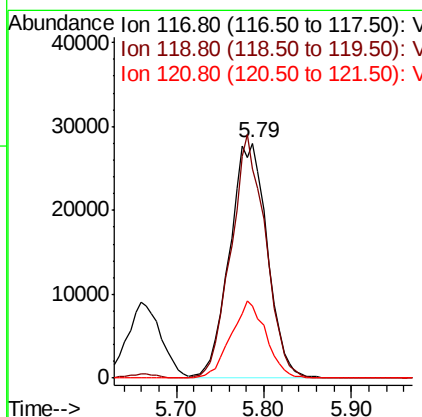
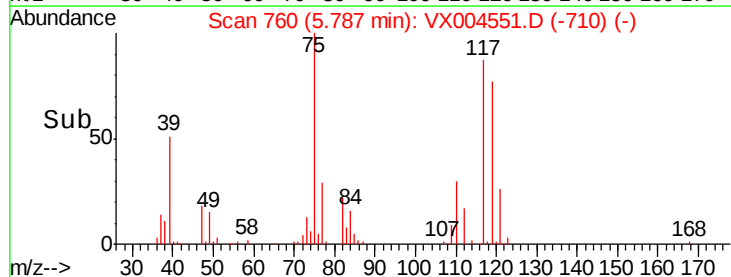
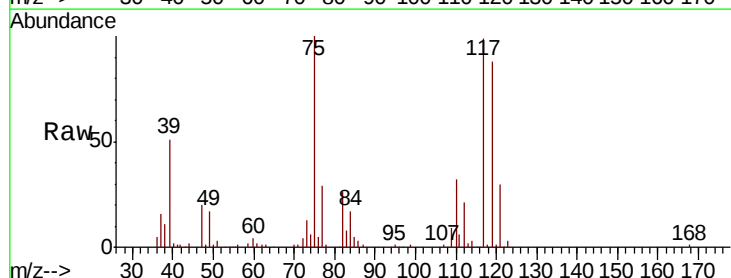
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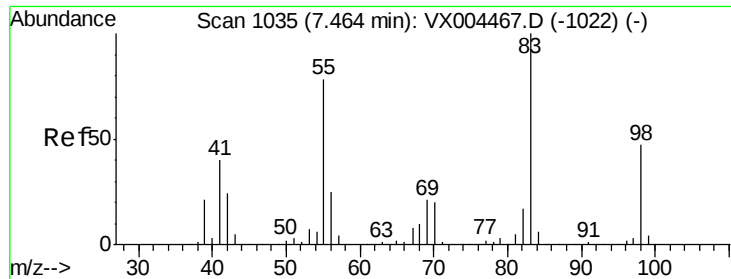
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#38
Carbon Tetrachloride
Concen: 18.51 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.1	78.8	118.2
121	30.5	24.9	37.3





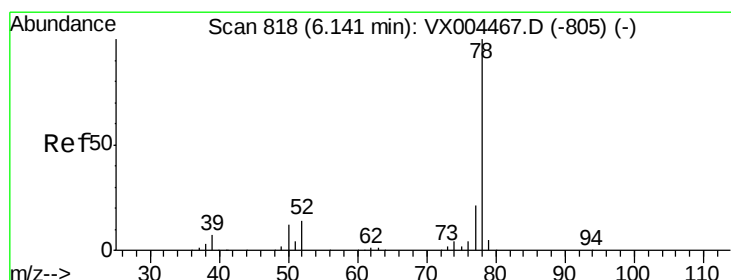
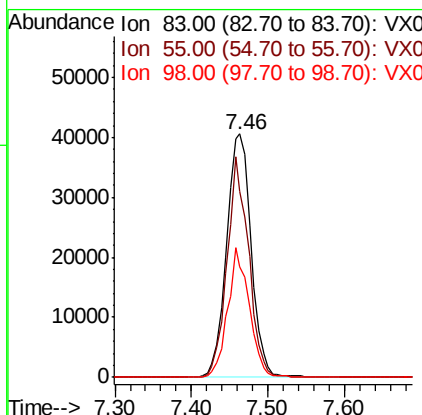
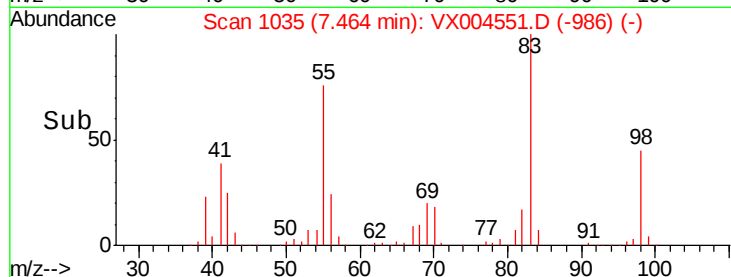
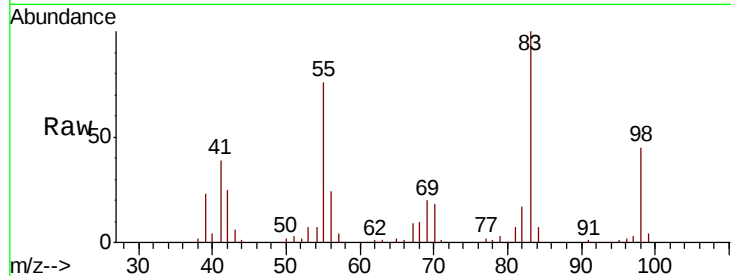
#39
Methvlcvclohexane
Concen: 18.52 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampled :
VX0914WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.0	91.4
98	45.4	39.6	59.4

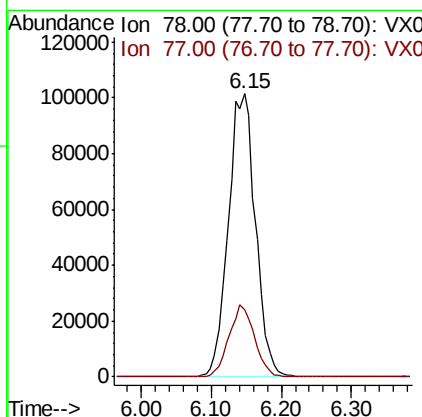
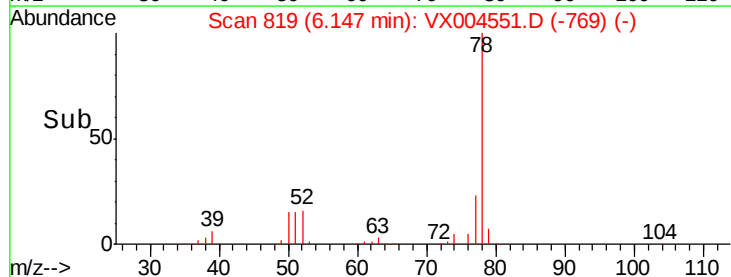
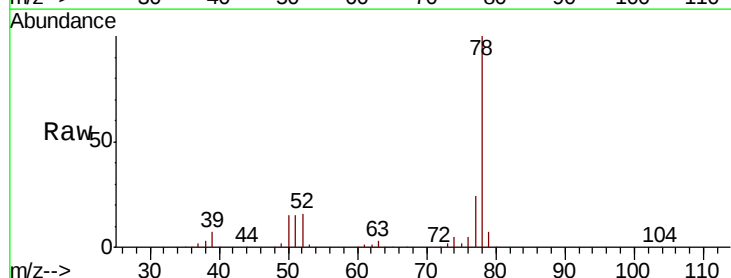
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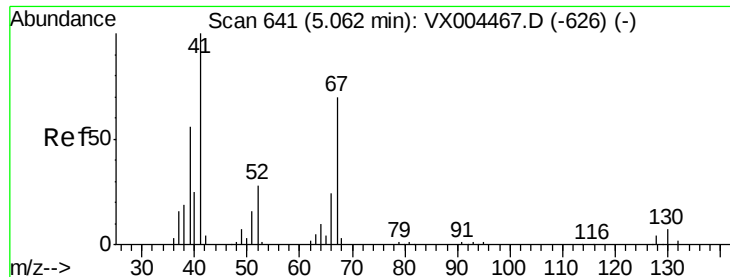
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#40
Benzene
Concen: 19.86 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 18.35 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBSD01

Tot Ion: 41 Resp: 53463

Ion Ratio Lower Upper

41 100

39 51.5 42.4 63.6

67 75.0 59.2 88.8

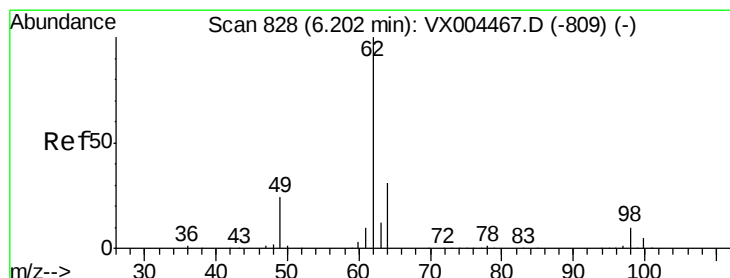
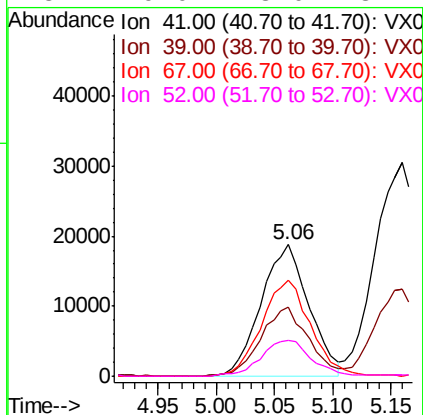
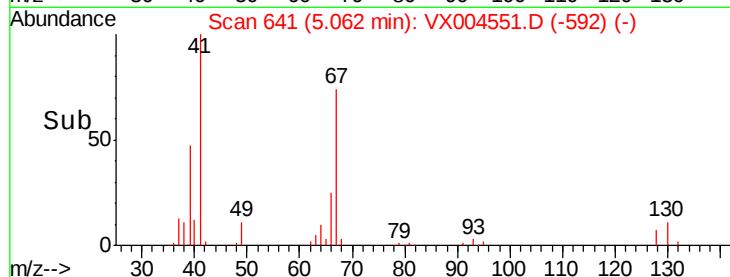
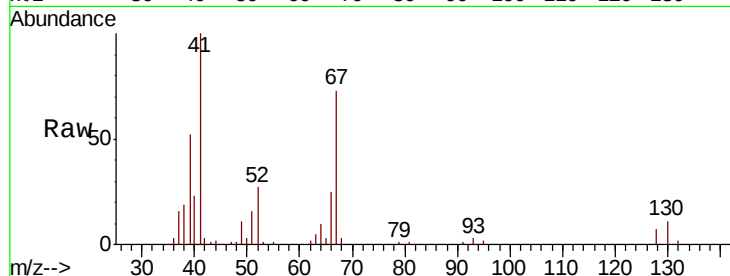
52 29.0 23.0 34.4

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 19.16 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.00 min

Lab File: VX004551.D

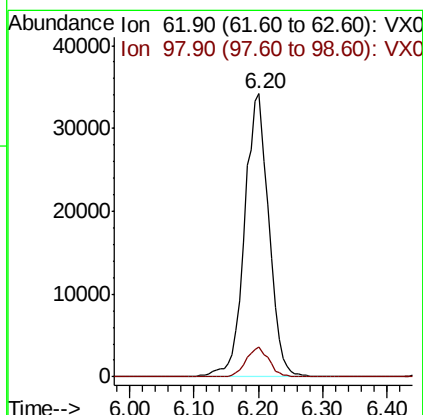
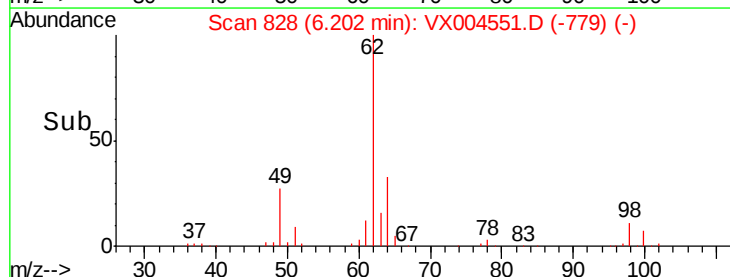
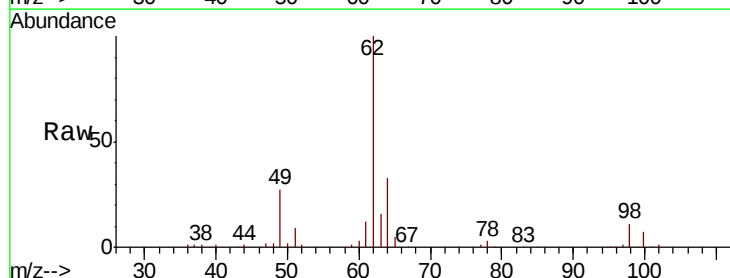
Acq: 14 Sep 2018 20:14

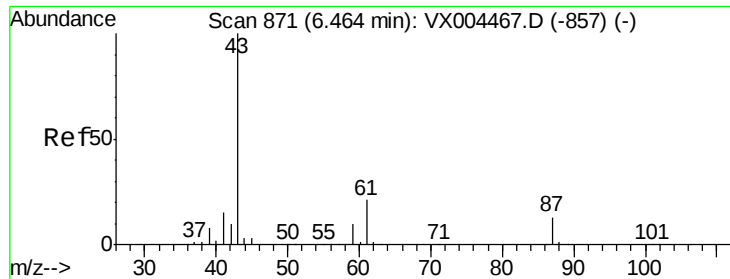
Tgt Ion: 62 Resp: 87696

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.6





#43

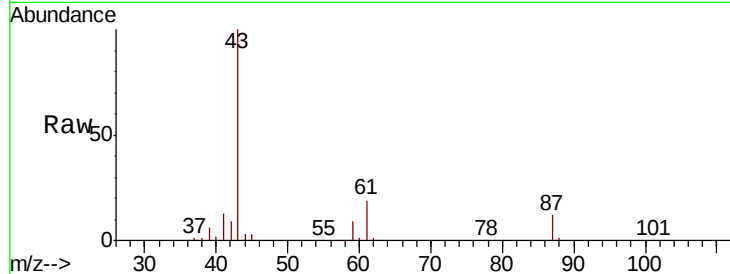
Isopropyl Acetate
 Concen: 20.03 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBSD01

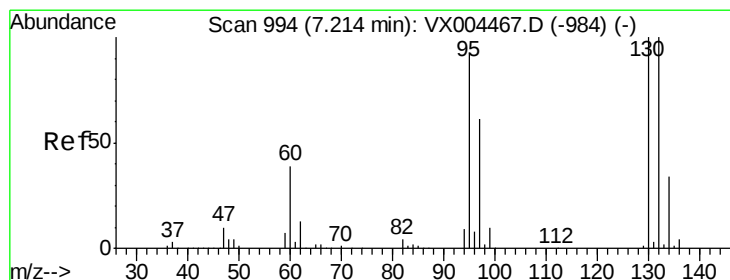
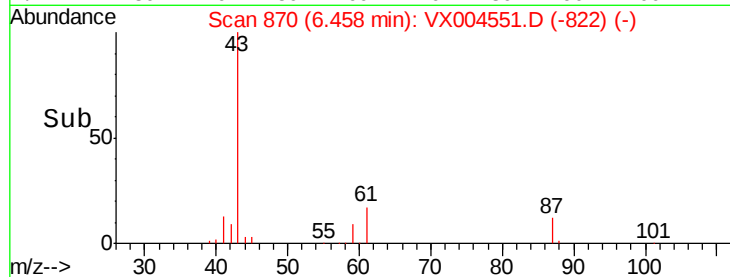
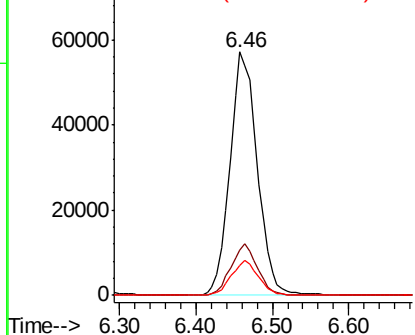
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.0	25.4
87	14.1	11.4	17.2

Manual Integrations
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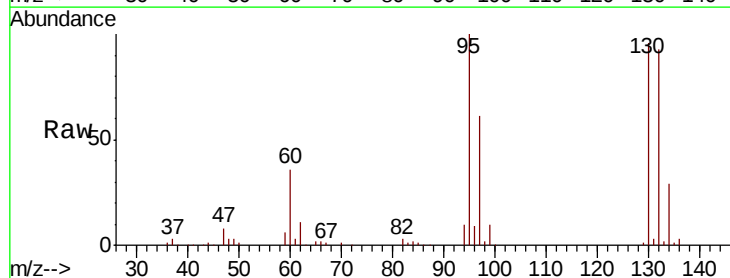
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



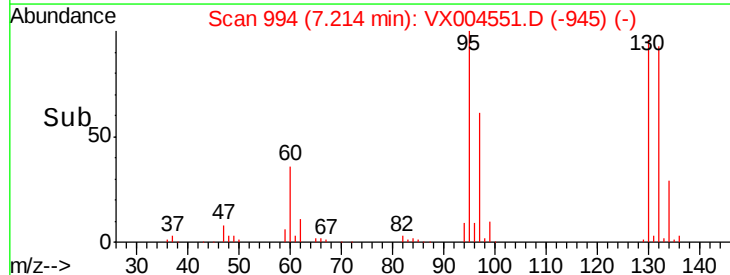
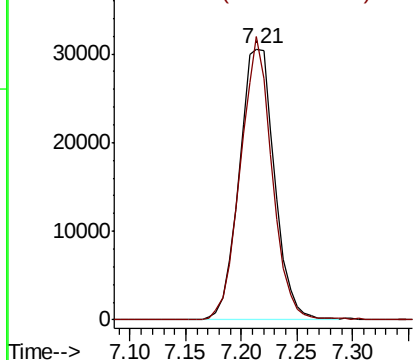
#44

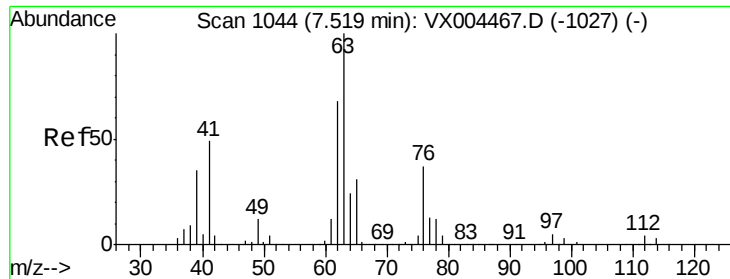
Trichloroethene
 Concen: 18.80 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





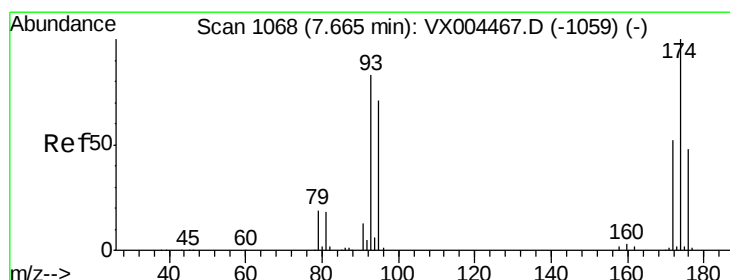
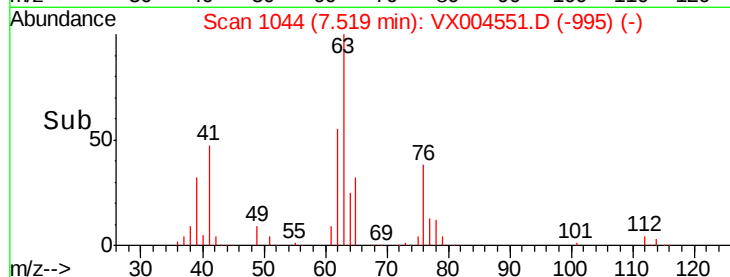
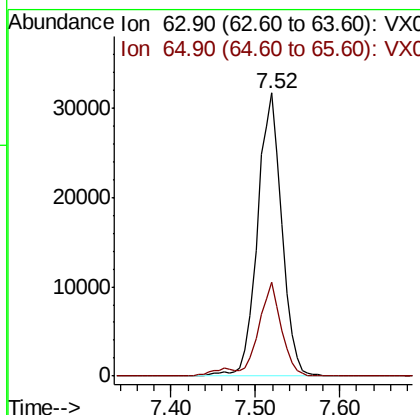
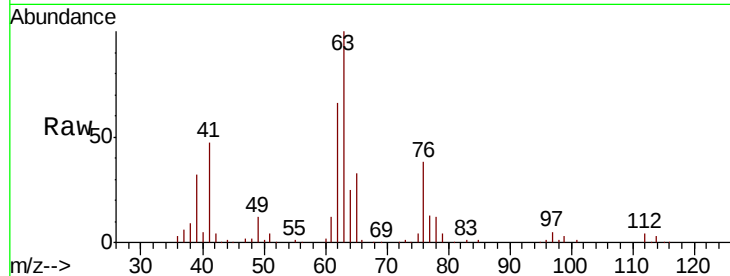
#45
 1,2-Dichloropropane
 Concen: 18.85 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0914WBSD01

Tot Ion: 63 Resp: 62573
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.3 36.5

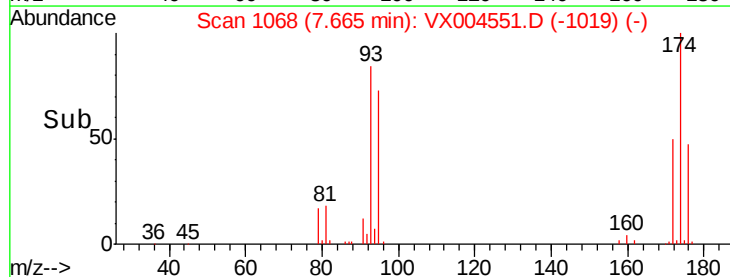
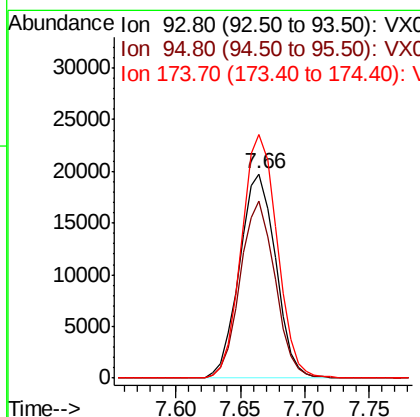
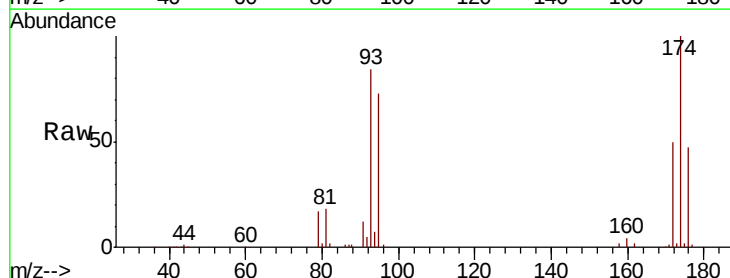
Manual Integrations
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#46
 Dibromomethane
 Concen: 18.37 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Tgt Ion: 93 Resp: 38522
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.5 98.3
 174 117.5 94.2 141.4





#47

Bromodichloromethane

Concen: 17.90 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

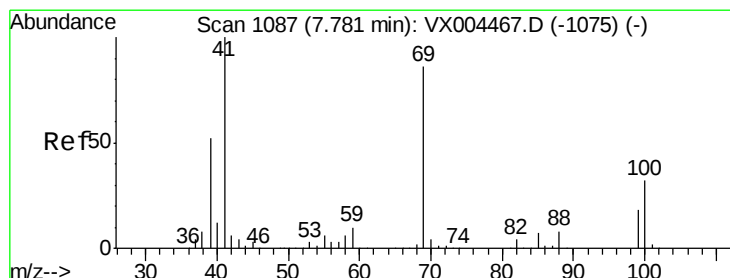
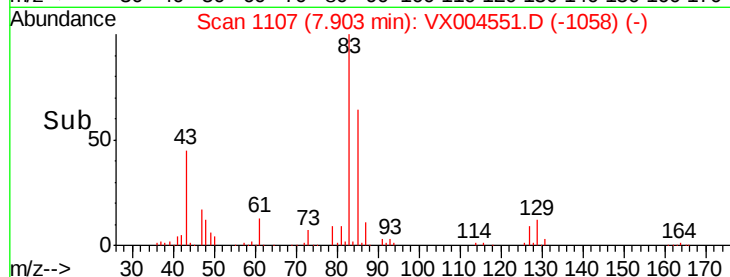
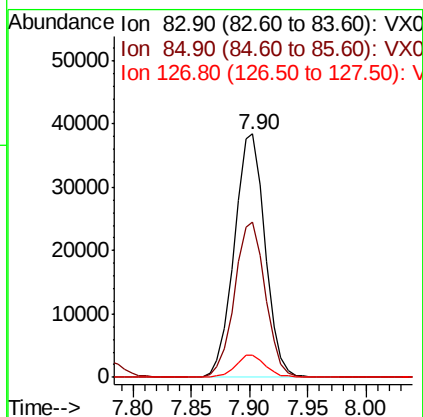
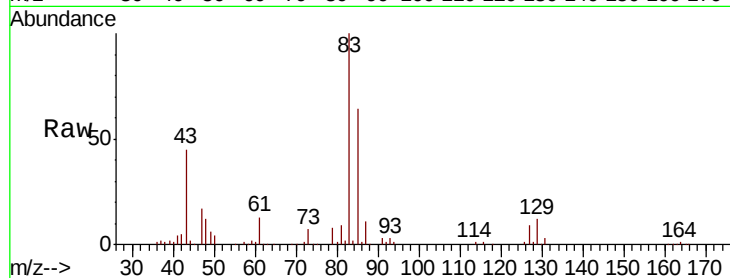
ClientSampleId :

VX0914WBSD01

Tot Ion:	83	Resp:	70984
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.9	76.3
127	9.2	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.39 ug/l

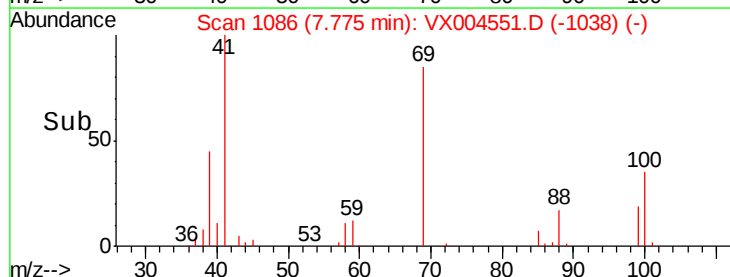
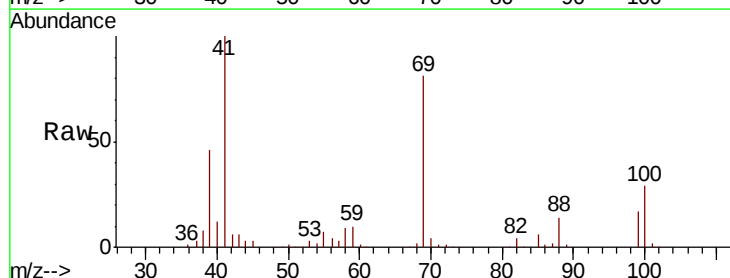
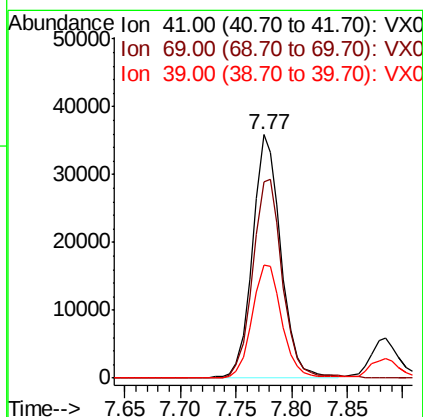
RT: 7.77 min Scan# 1086

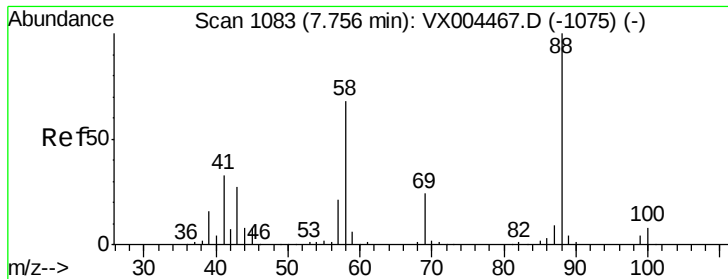
Delta R.T. -0.01 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Tgt Ion:	41	Resp:	63936
Ion	Ratio	Lower	Upper
41	100		
69	85.5	70.2	105.4
39	48.9	42.7	64.1





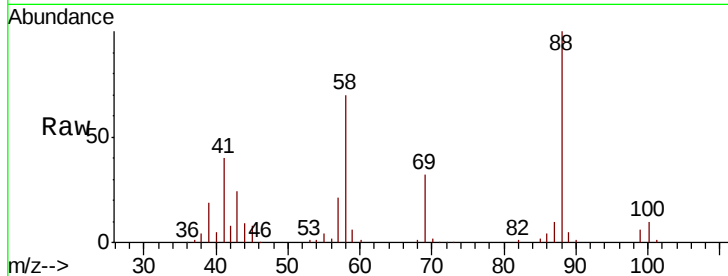
#49
1,4-Dioxane
Concen: 376.16 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.7	37.1
58	70.6	55.3	82.9

Manual Integrations
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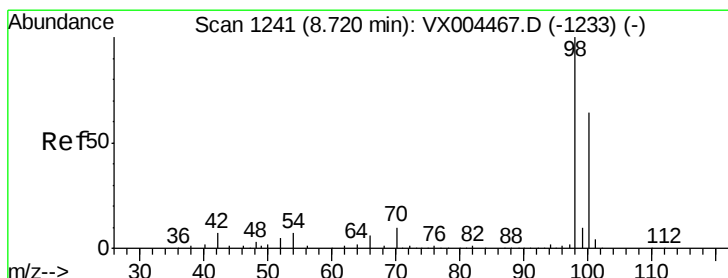
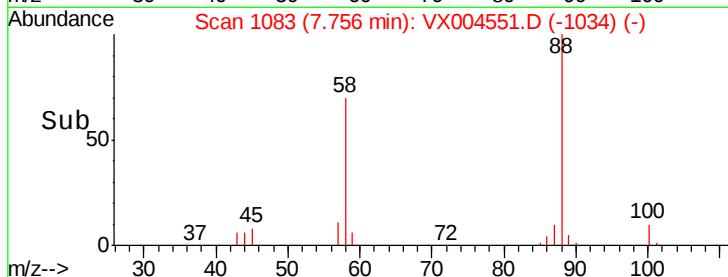
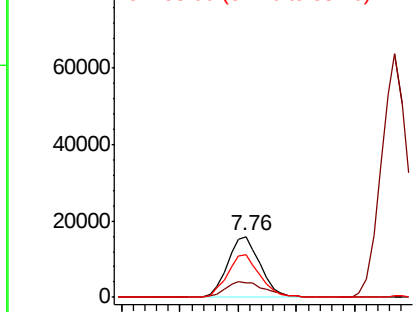


Abundance

Ion 88.00 (87.70 to 88.70): VX0

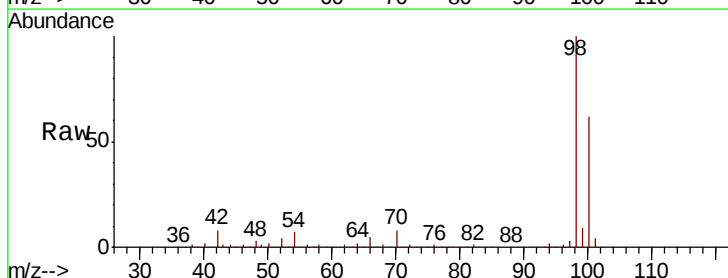
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.14 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

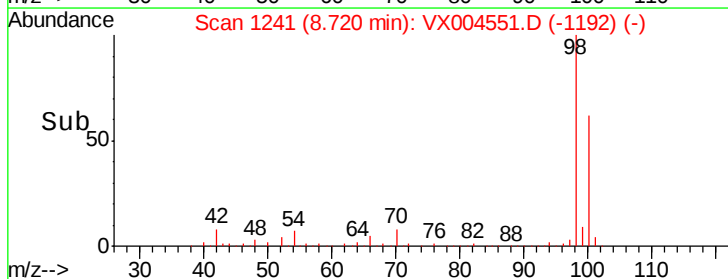
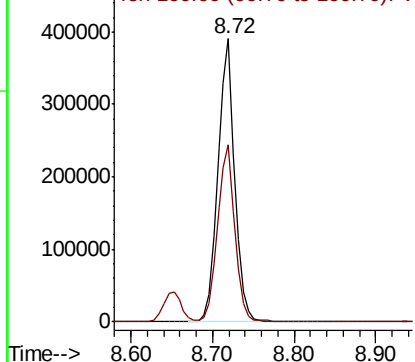
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.9	79.3

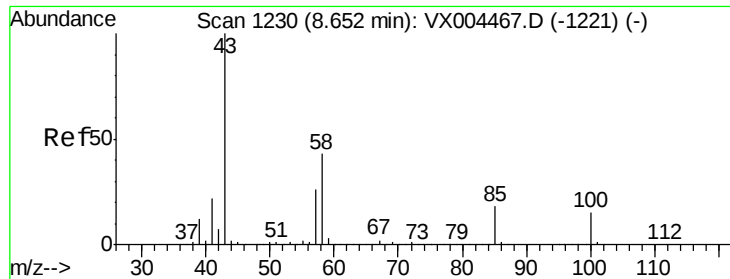


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





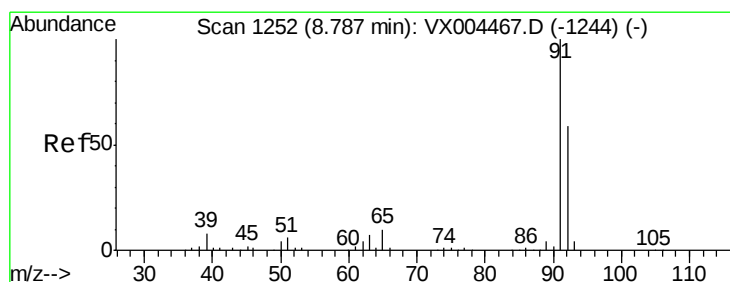
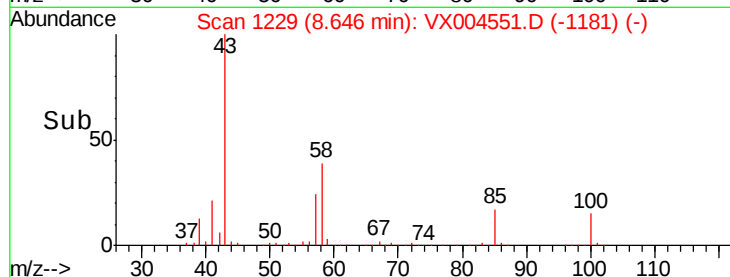
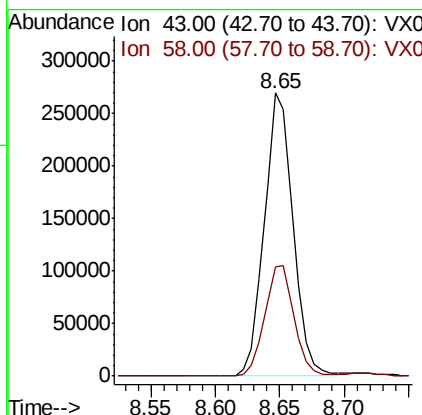
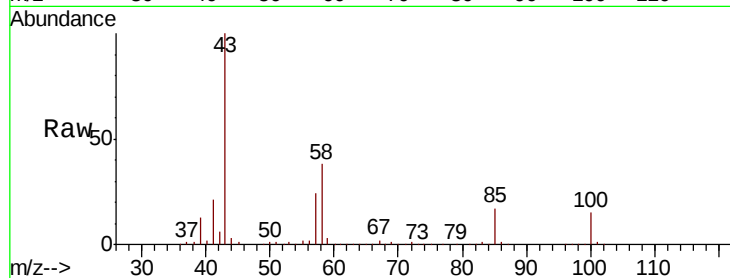
#51
4-Methyl-2-Pentanone
Concen: 84.22 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	40.0		33.1	49.7	

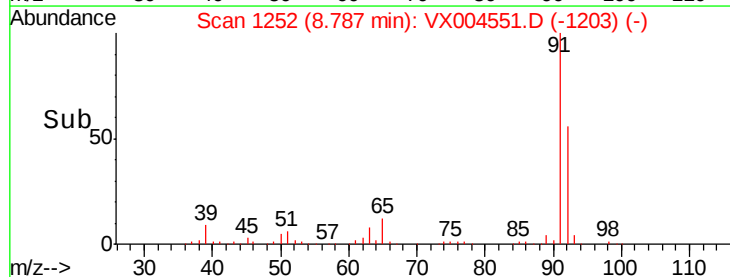
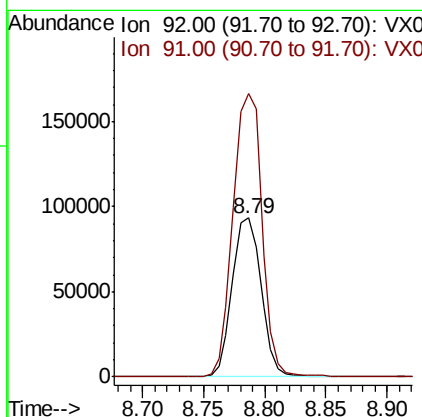
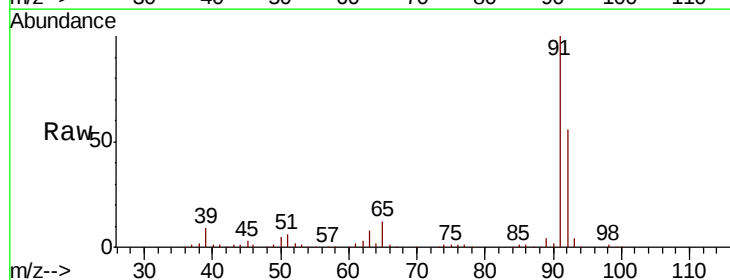
Manual Integrations
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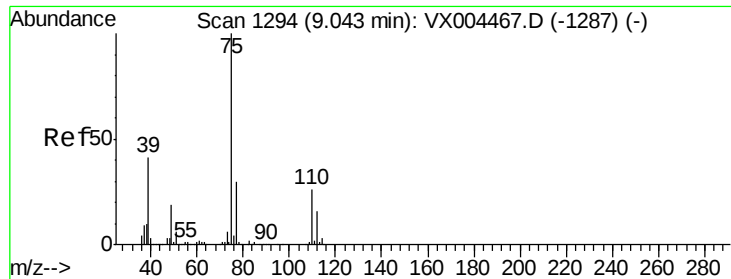
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#52
Toluene
Concen: 18.95 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	178.3		136.4	204.6	





#53

t-1,3-Dichloropropene

Concen: 19.12 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampled :

VX0914WBSD01

Tot Ion: 75 Resp: 88579

Ion Ratio Lower Upper

75 100

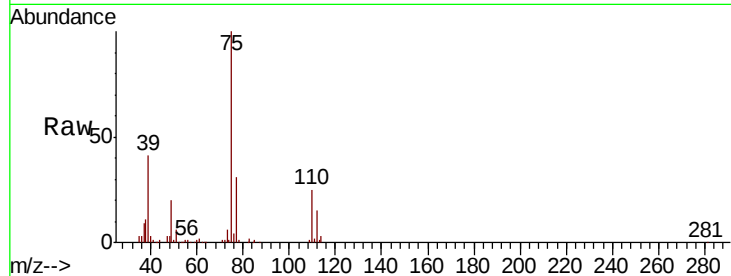
77 31.2 24.6 37.0

Manual Integrations

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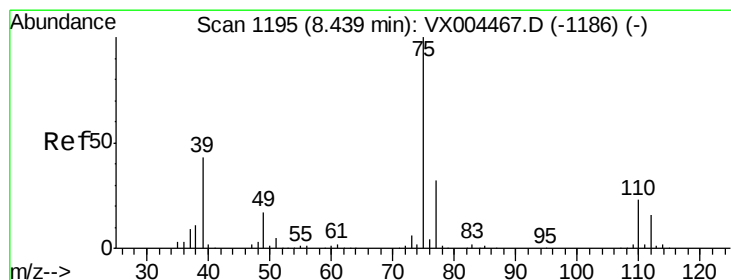
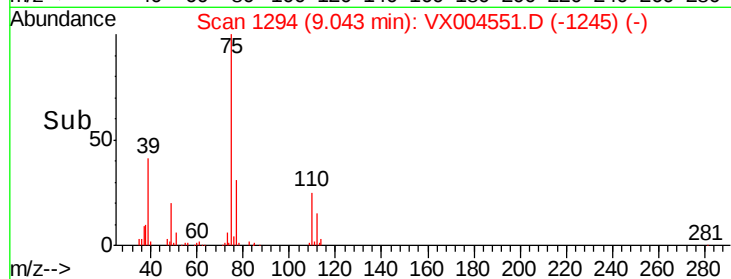
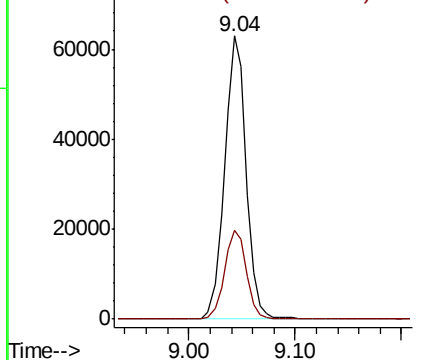
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.39 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.01 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

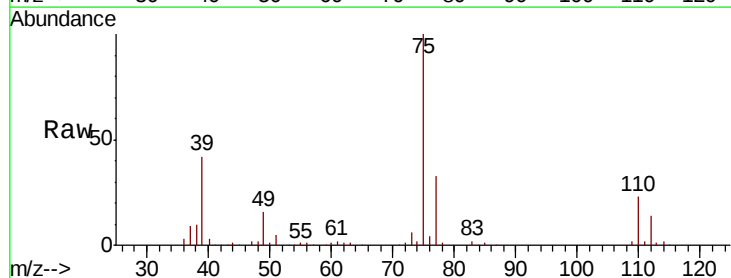
Tgt Ion: 75 Resp: 86843

Ion Ratio Lower Upper

75 100

77 33.4 26.2 39.2

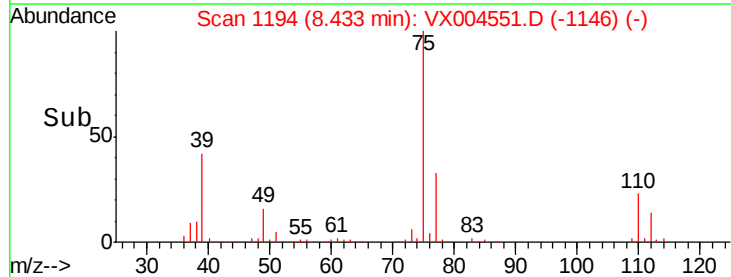
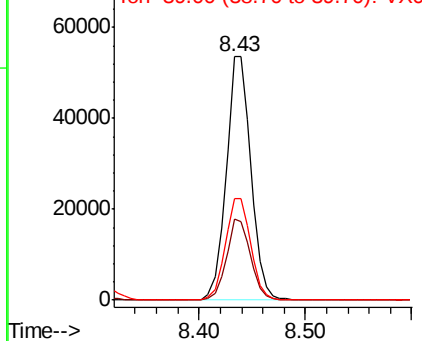
39 41.5 36.4 54.6

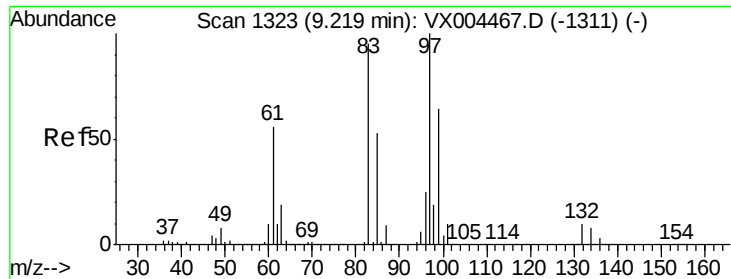


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





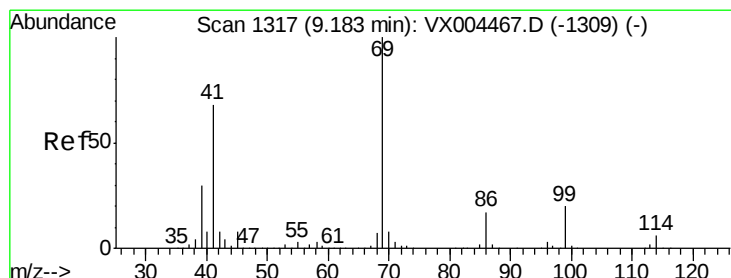
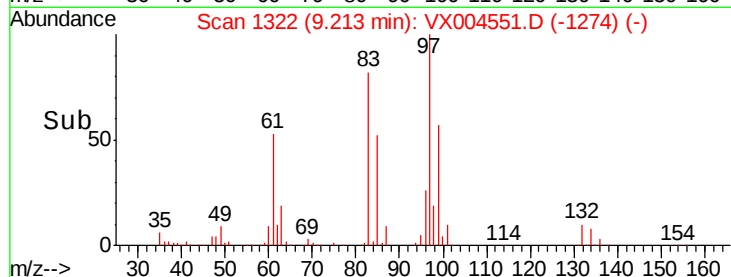
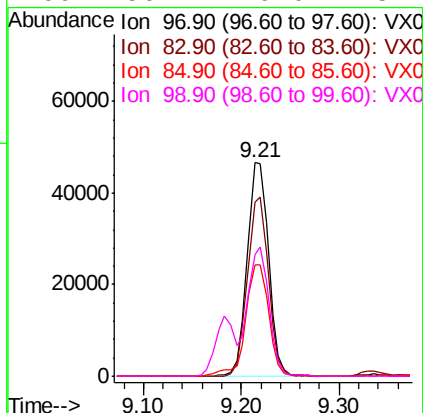
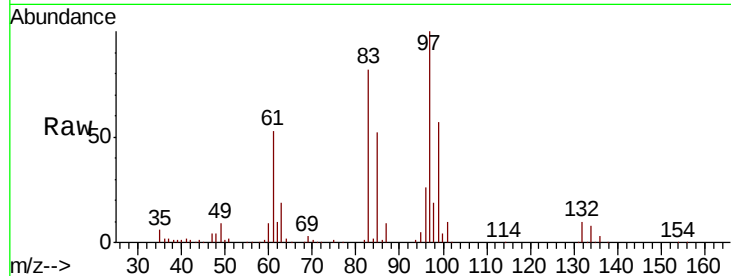
#55
1,1,2-Trichloroethane
Concen: 20.28 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		70997		
83	81.5	66.4	99.6		
85	52.2	43.3	64.9		
99	56.7	49.0	73.4		

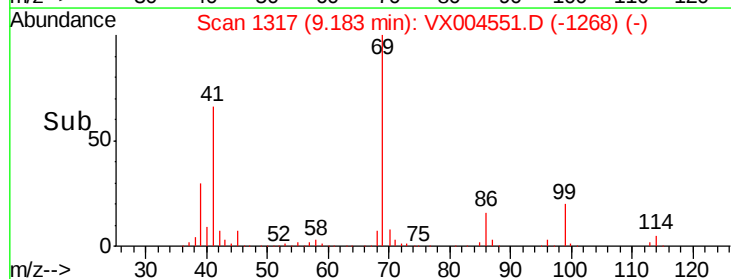
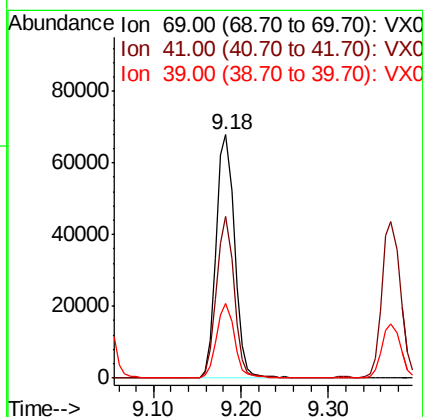
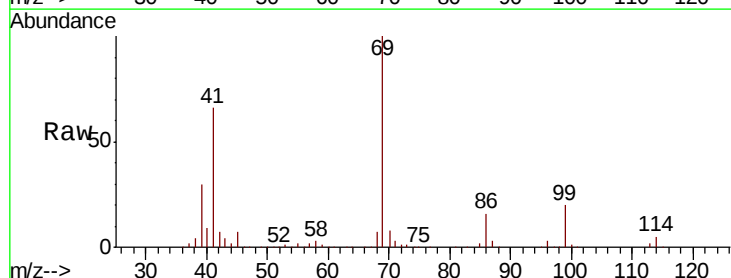
Manual Integrations
APPROVED

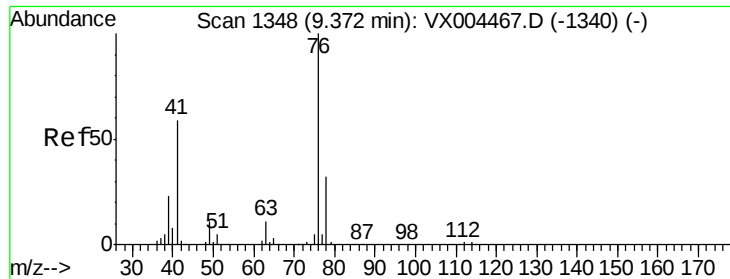
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#56
Ethyl methacrylate
Concen: 20.06 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		99331		
41	63.3	51.0	76.4		
39	29.5	26.1	39.1		





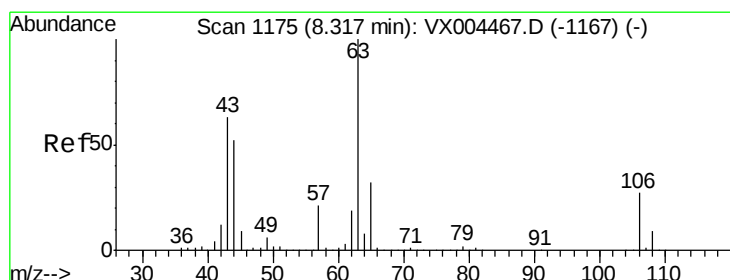
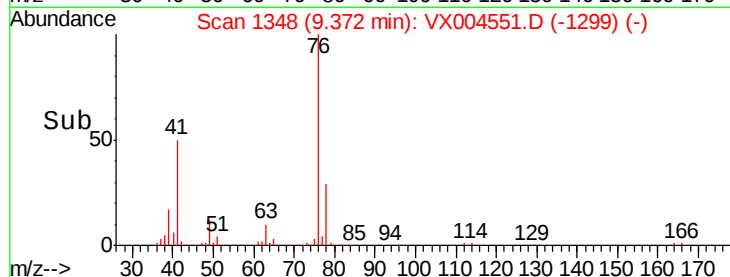
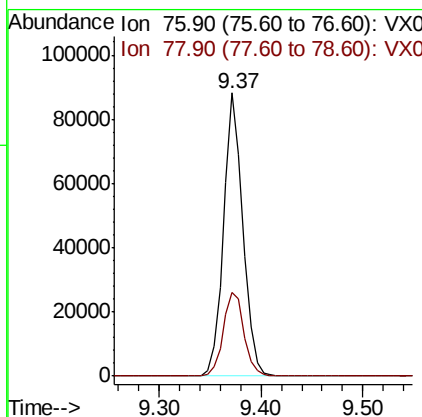
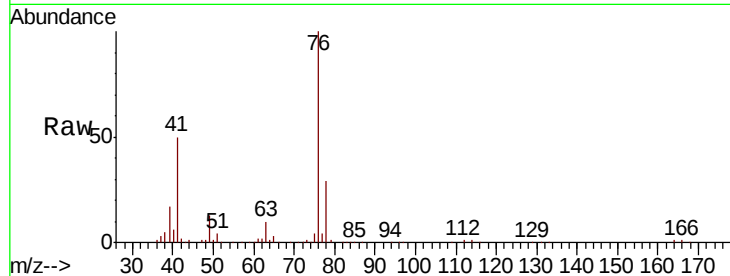
#57
 1,3-Dichloropropane
 Concen: 20.35 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBSD01

Tot Ion: 76 Resp: 115742
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

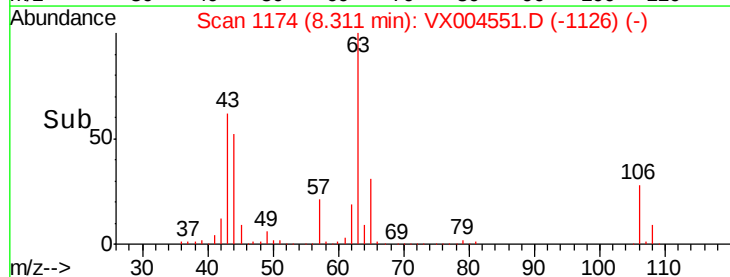
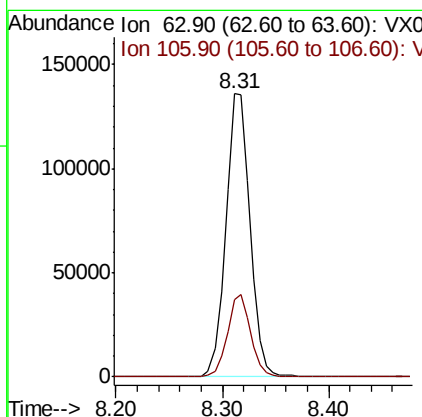
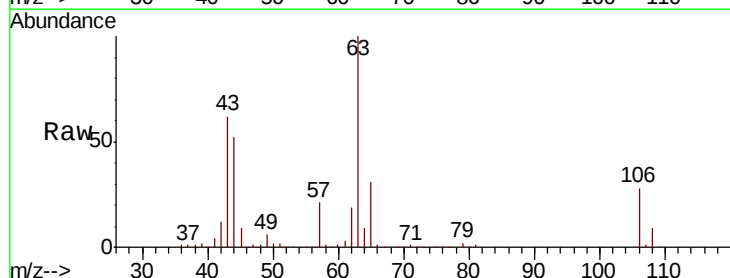
Manual Integrations
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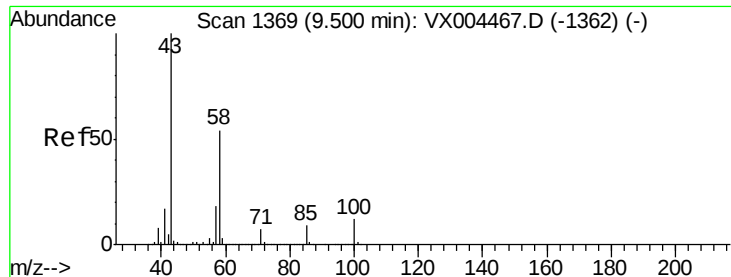
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 9/17/2018 5:09:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.15 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Tgt Ion: 63 Resp: 215343
 Ion Ratio Lower Upper
 63 100
 106 28.0 23.9 35.9





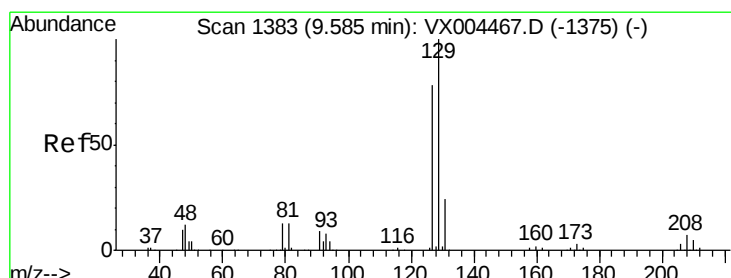
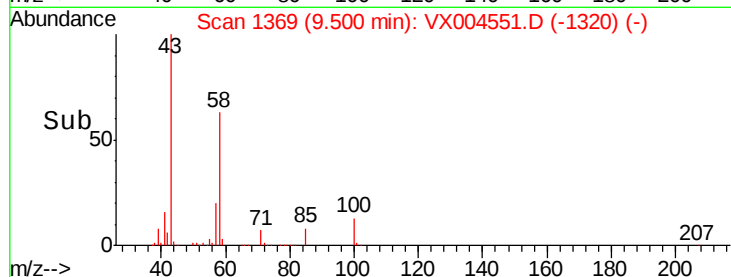
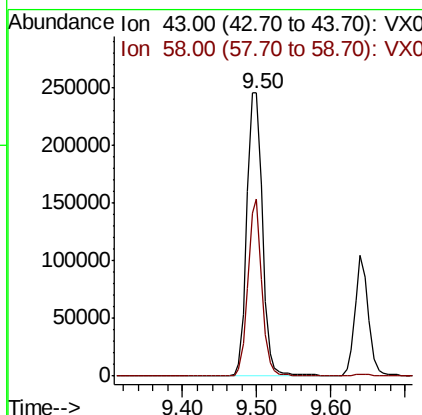
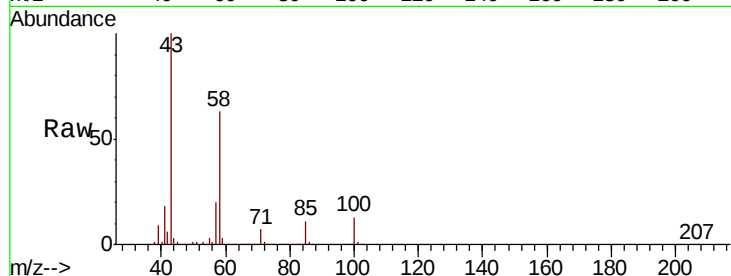
#59
2-Hexanone
Concen: 95.17 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion: 43 Resp: 361879
Ion Ratio Lower Upper
43 100
58 55.7 29.0 87.0

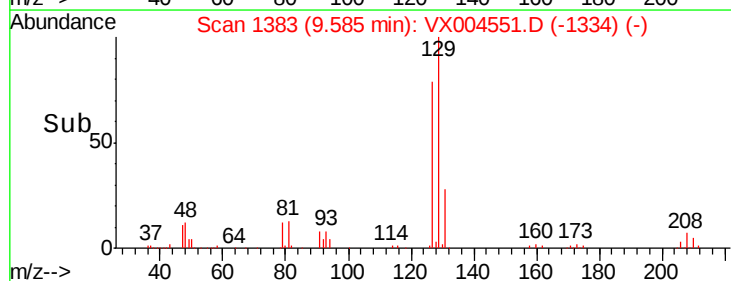
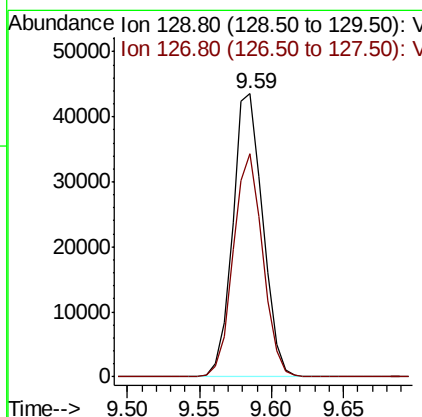
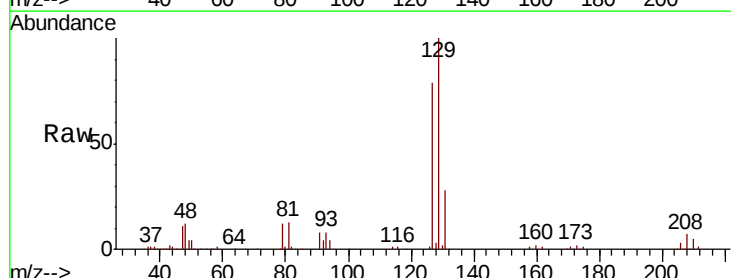
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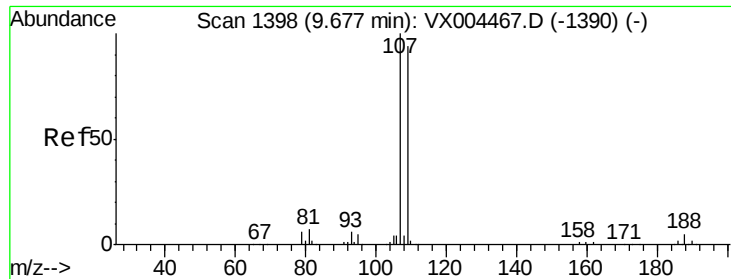
MMDadoda
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#60
Dibromochloromethane
Concen: 19.31 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion: 129 Resp: 63639
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





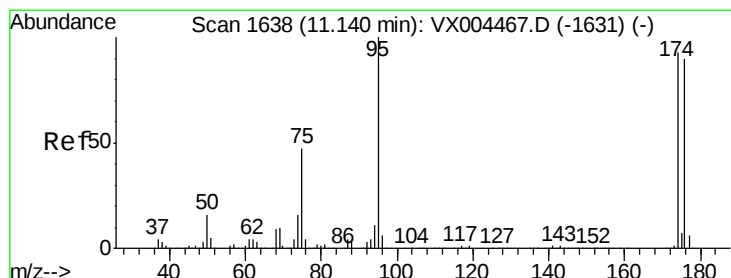
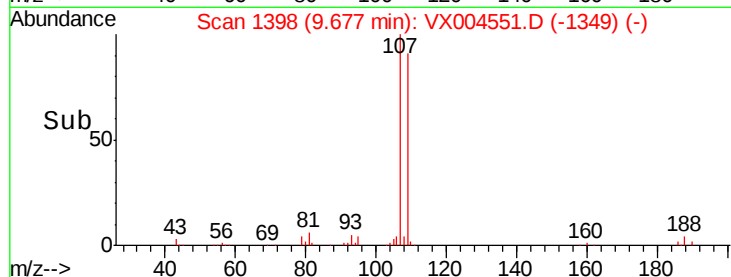
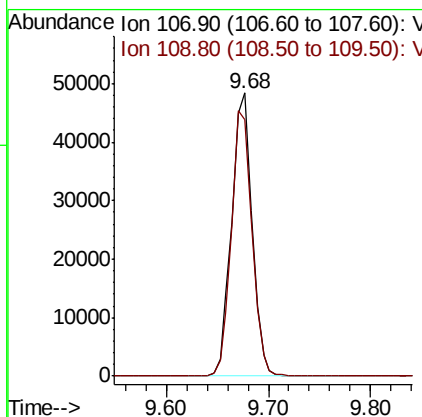
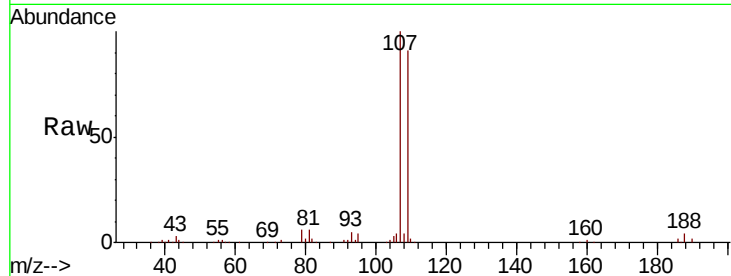
#61
 1,2-Dibromoethane
 Concen: 20.02 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.0	114.0

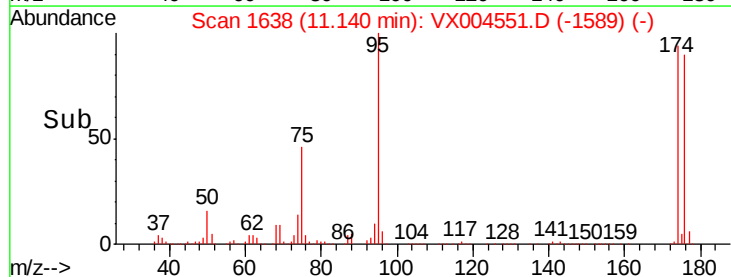
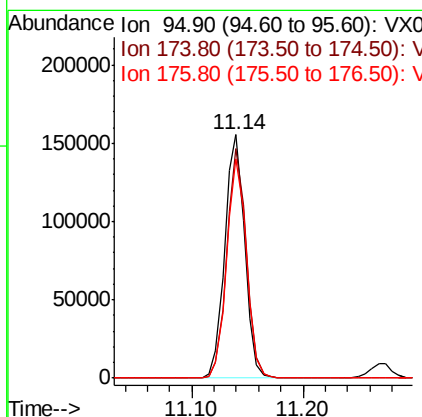
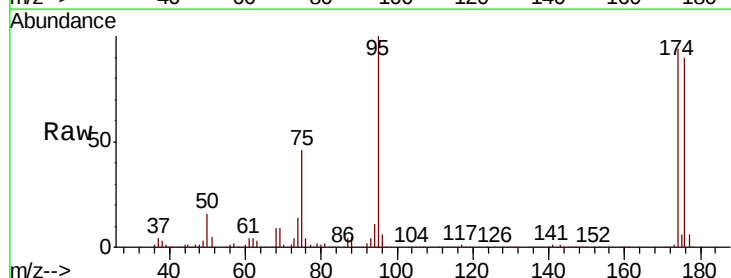
Manual Integrations
 APPROVED

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#62
 4-Bromofluorobenzene
 Concen: 45.73 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.7	0.0	185.2
176	89.3	0.0	178.6





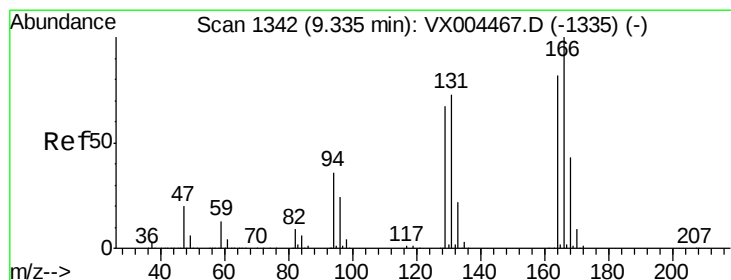
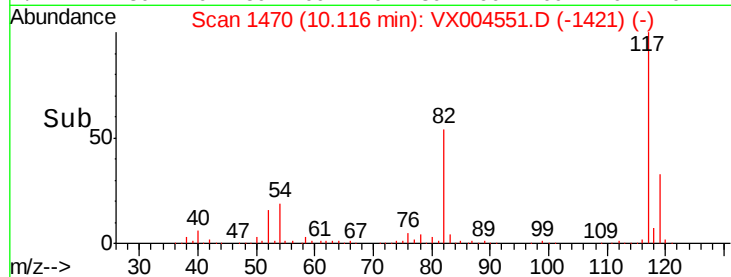
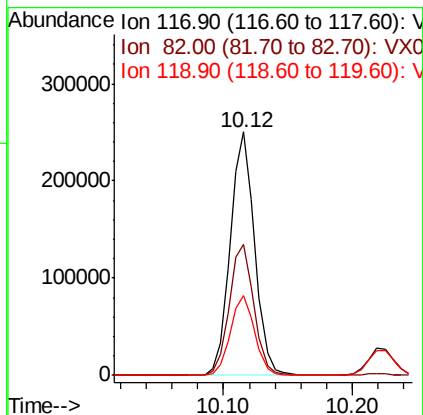
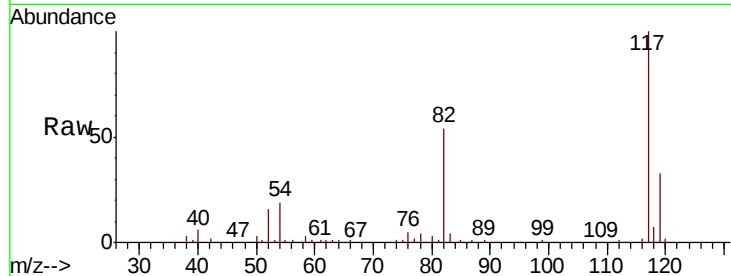
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	47.8	71.6
119	32.6	29.3	43.9

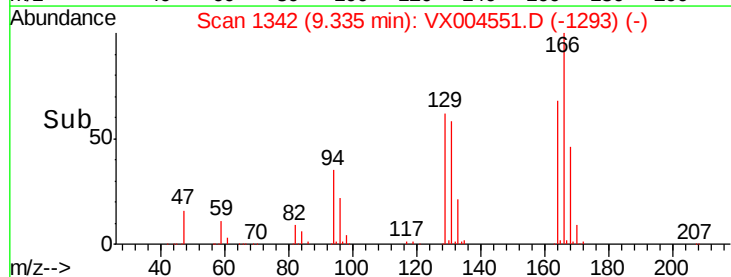
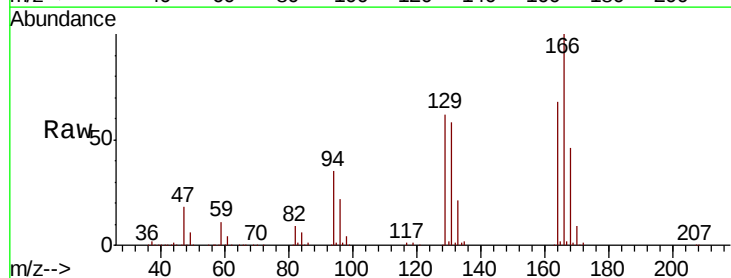
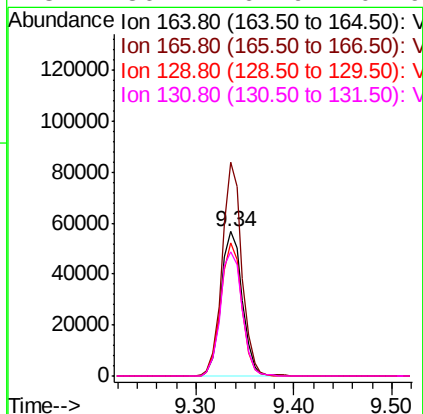
Manual Integrations
APPROVED

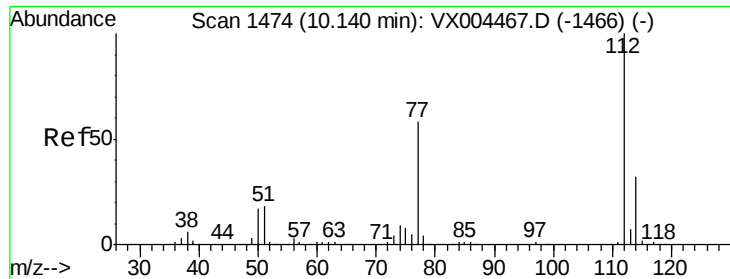
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#64
Tetrachloroethene
Concen: 20.59 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	148.0	102.8	154.2
129	92.4	69.4	104.0
131	86.1	67.9	101.9





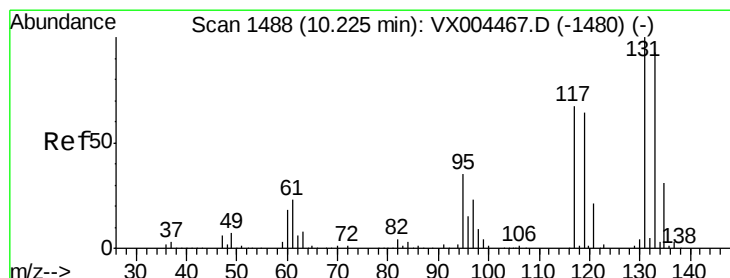
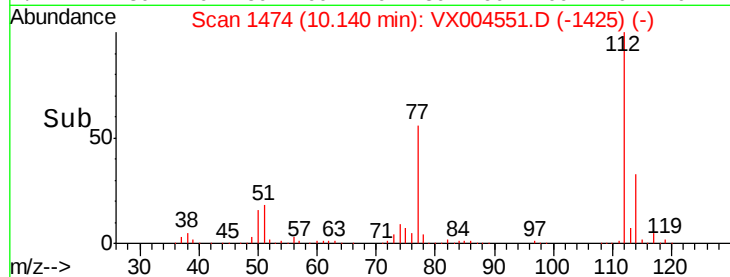
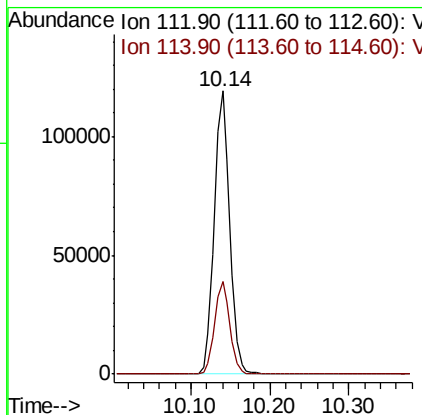
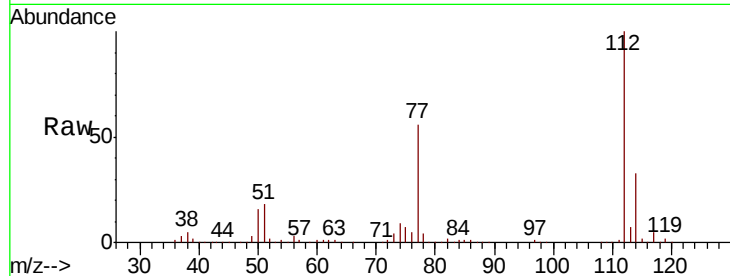
#65
Chlorobenzene
Concen: 19.78 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampled :
VX0914WBSD01

Tot Ion:112 Resp: 163301
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.8

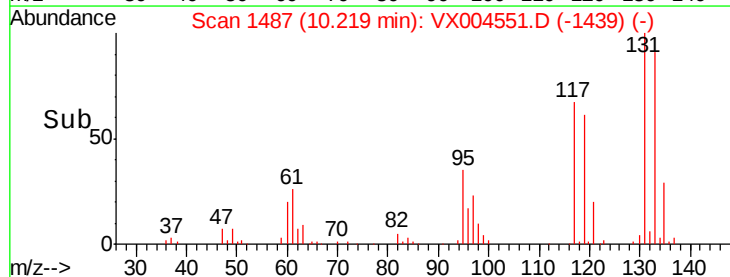
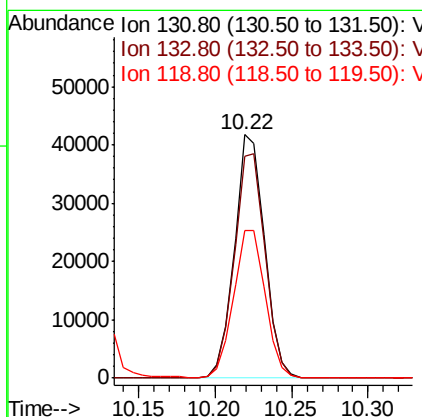
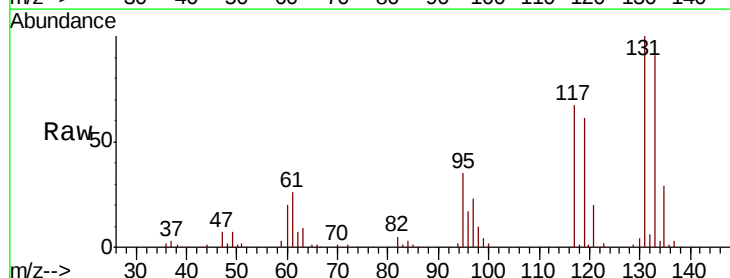
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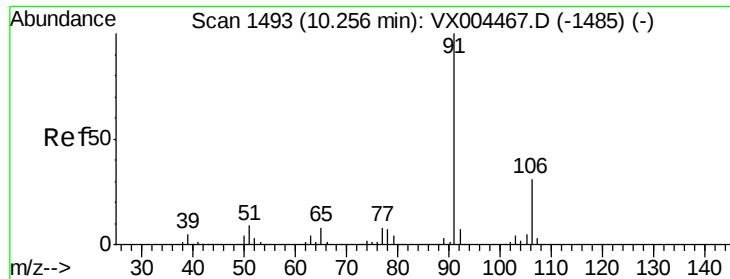
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.98 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion:131 Resp: 56878
Ion Ratio Lower Upper
131 100
133 94.6 48.1 144.4
119 64.4 32.9 98.6





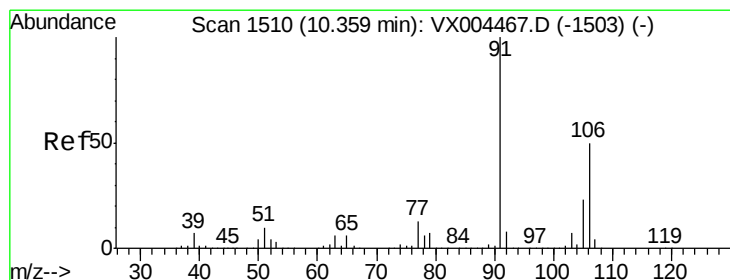
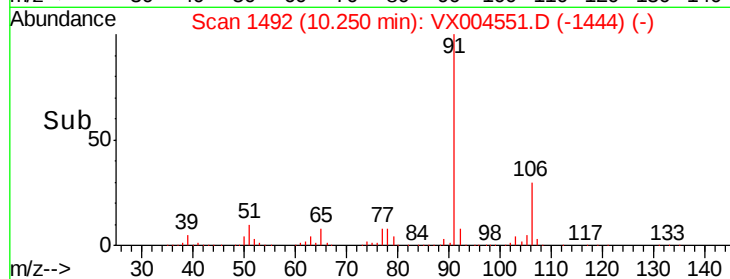
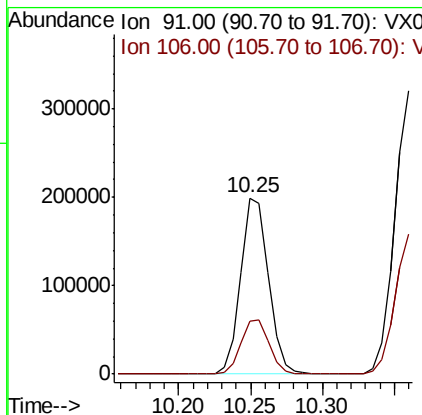
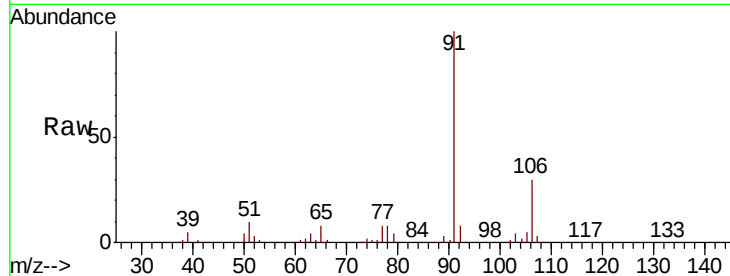
#67
Ethyl Benzene
Concen: 19.99 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampled :
VX0914WBSD01

Tot Ion: 91 Resp: 268296
Ion Ratio Lower Upper
91 100
106 30.2 25.9 38.9

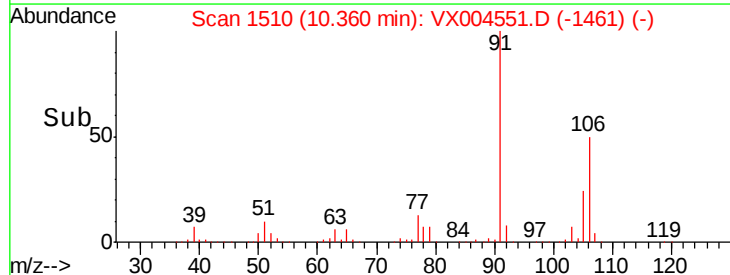
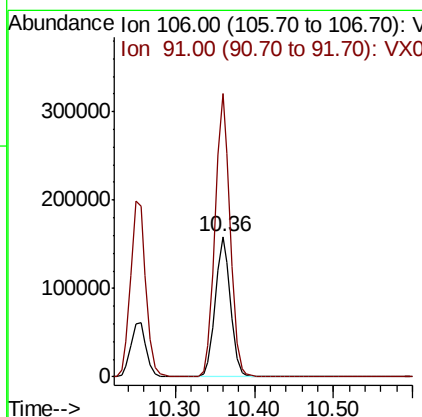
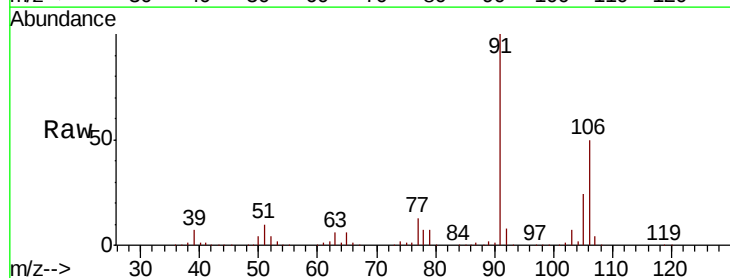
Manual Integrations
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#68
m/p-Xylenes
Concen: 41.09 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion: 106 Resp: 212433
Ion Ratio Lower Upper
106 100
91 200.4 157.1 235.7





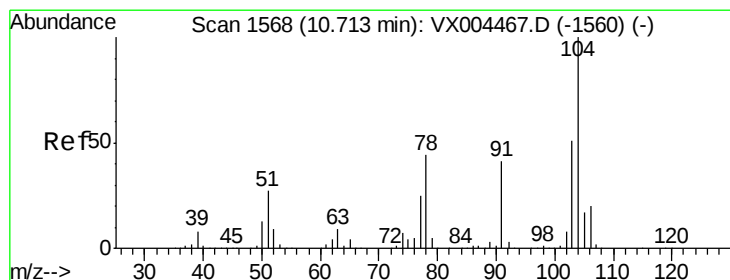
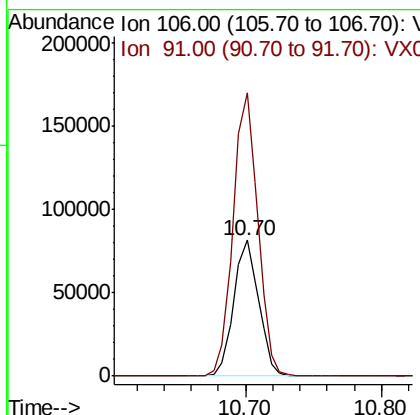
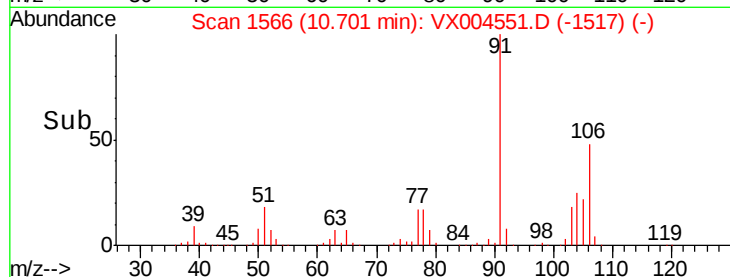
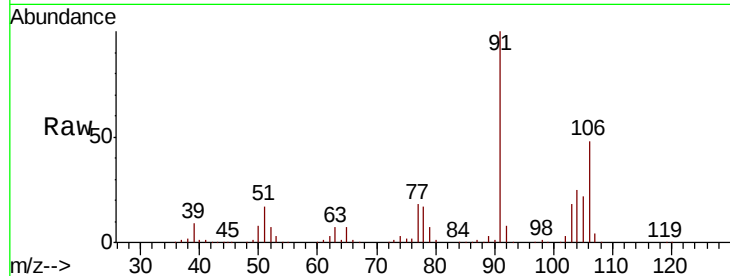
#69
o-Xylene
Concen: 20.95 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion:106 Resp: 104142
Ion Ratio Lower Upper
106 100
91 207.8 105.1 315.1

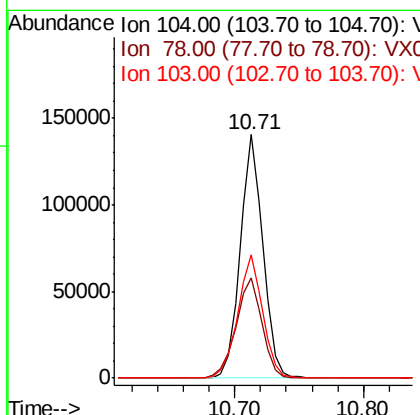
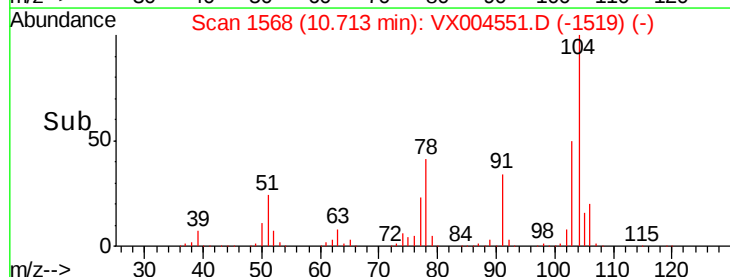
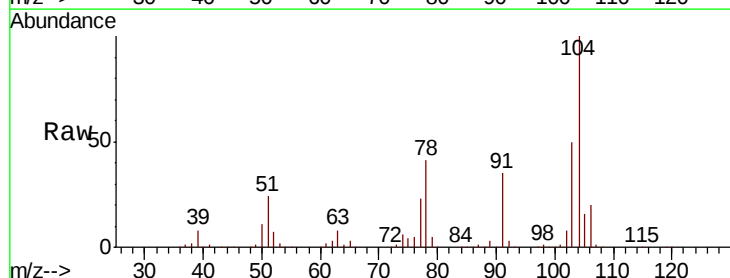
Manual Integrations
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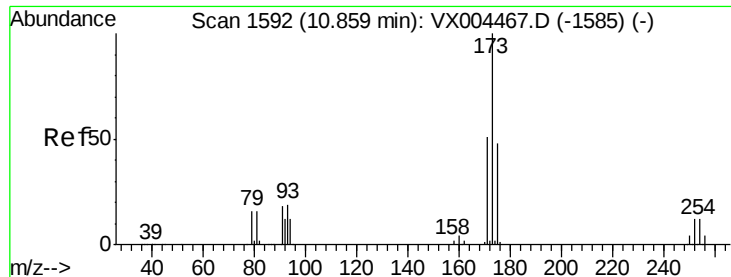
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#70
Styrene
Concen: 20.80 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion:104 Resp: 171265
Ion Ratio Lower Upper
104 100
78 47.0 37.4 56.0
103 55.9 43.8 65.6





#71

Bromoform

Concen: 18.86 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBSD01

Tot Ion:173 Resp: 44088

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.3

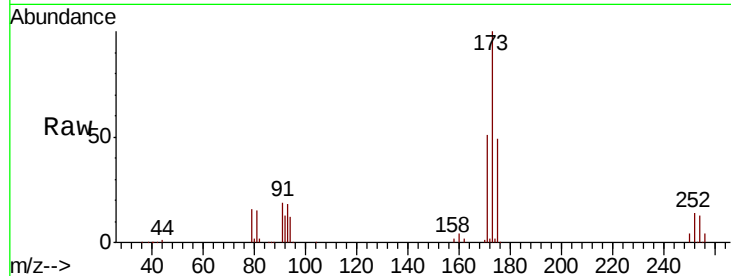
254 0.2 0.2 0.2

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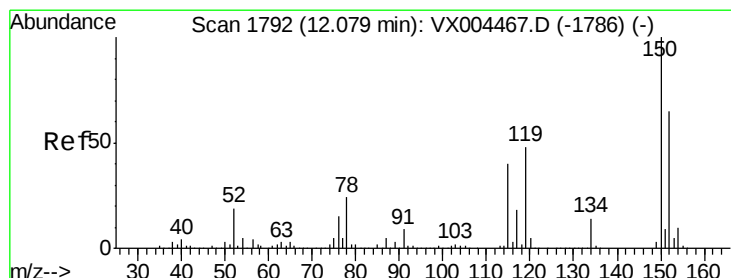
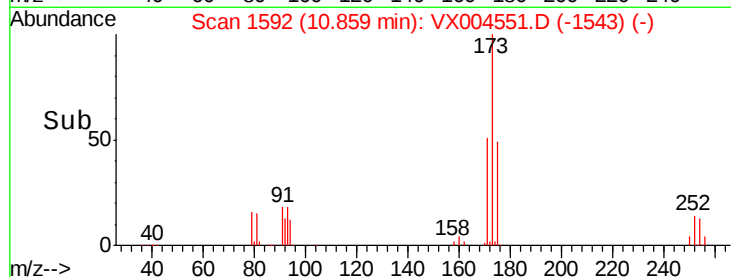
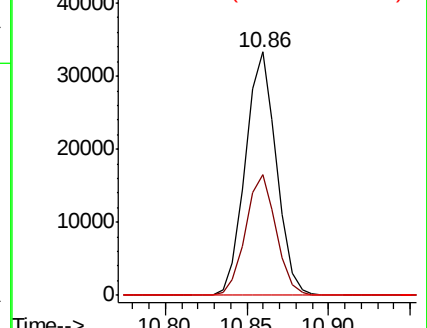
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX004551.D

Acq: 14 Sep 2018 20:14

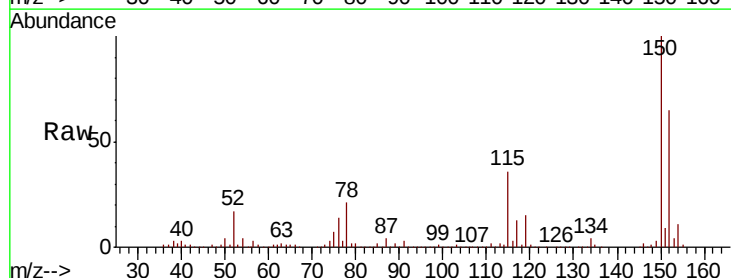
Tgt Ion:152 Resp: 198960

Ion Ratio Lower Upper

152 100

115 63.9 39.0 117.0

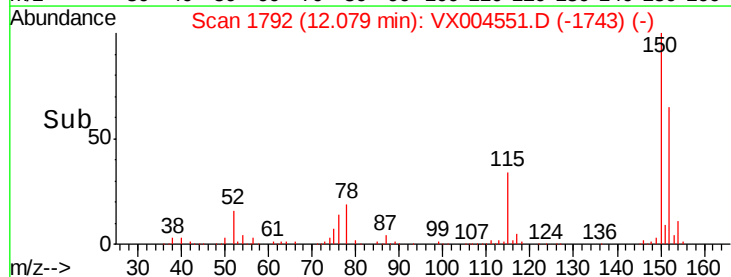
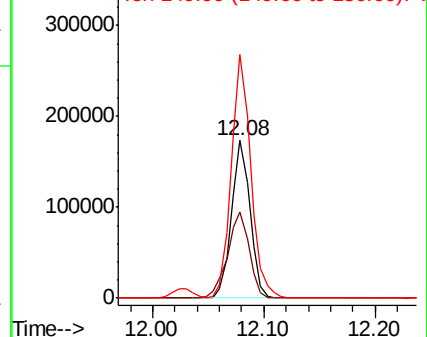
150 162.8 0.0 351.0

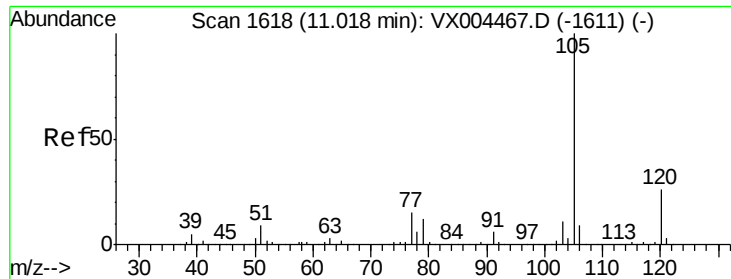


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.06 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBSD01

Tot Ion: 105 Resp: 275987

Ion Ratio Lower Upper

105 100

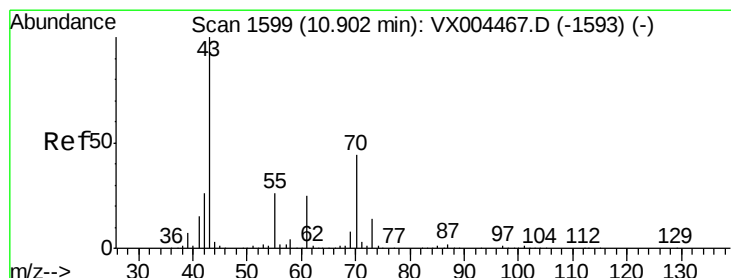
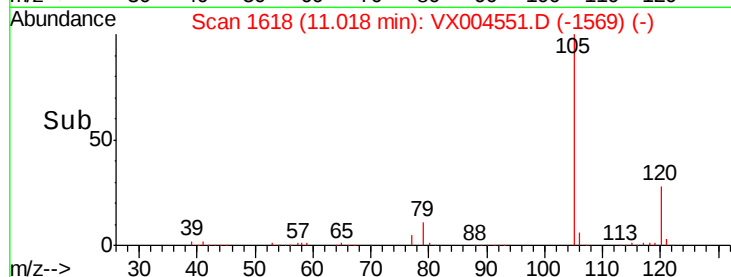
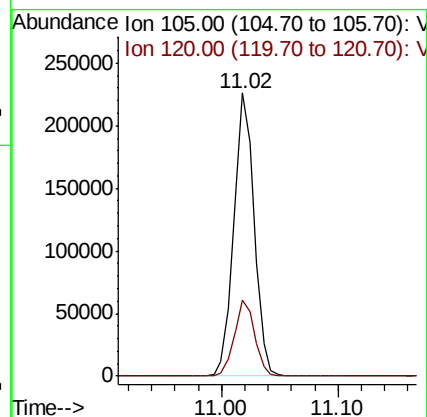
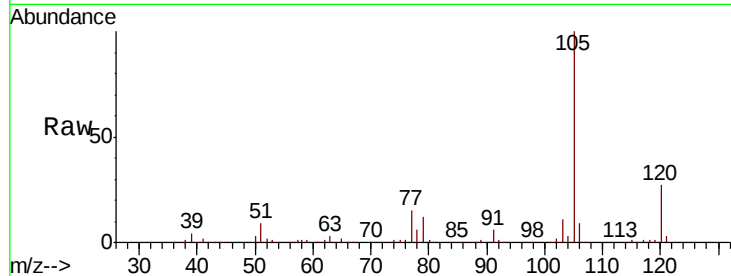
120 26.7 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.94 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Tgt Ion: 43 Resp: 109970

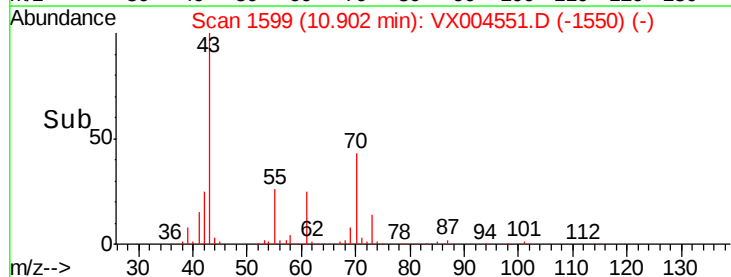
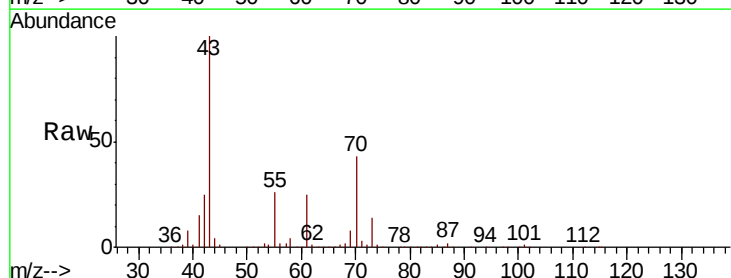
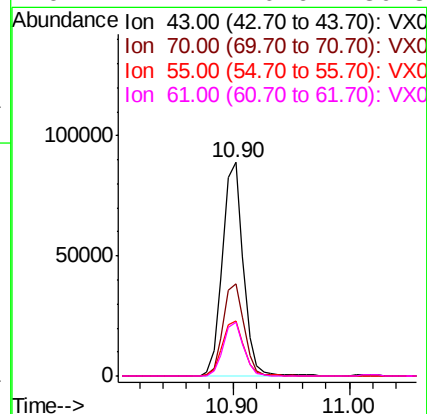
Ion Ratio Lower Upper

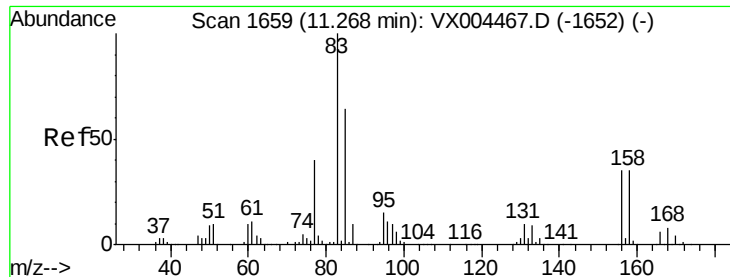
43 100

70 43.7 37.4 56.0

55 26.6 21.8 32.8

61 24.7 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.45 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

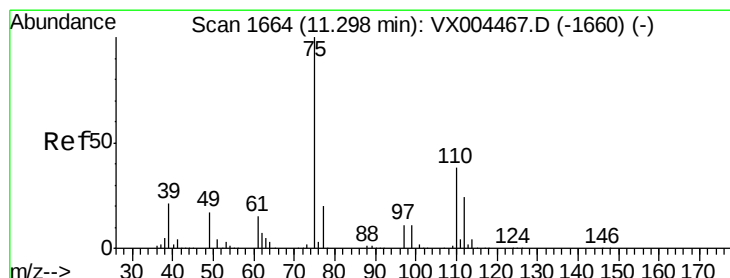
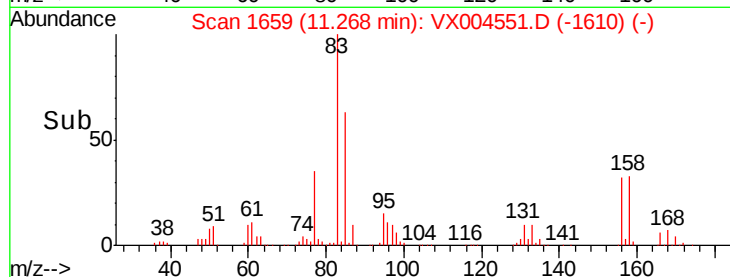
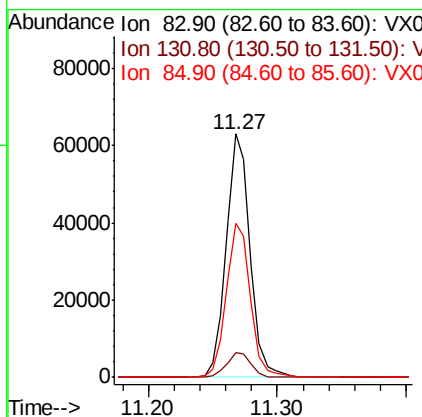
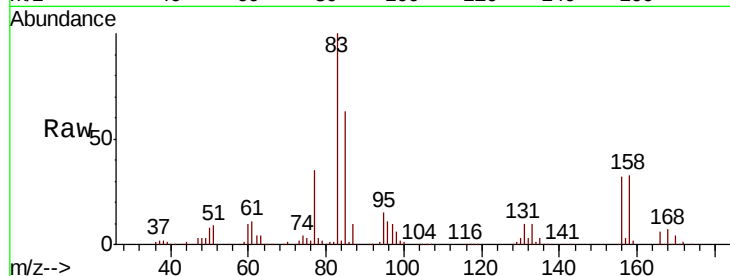
ClientSampleId :

VX0914WBSD01

Tot Ion:	83	Resp:	82225
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.78 ug/l m

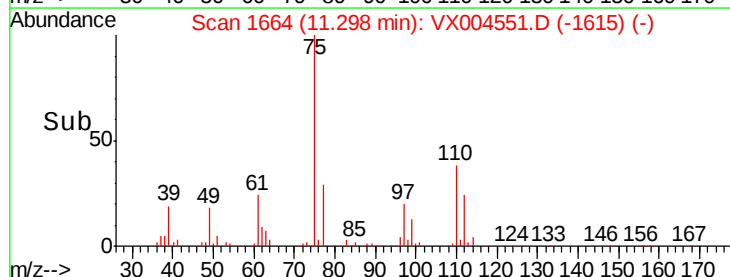
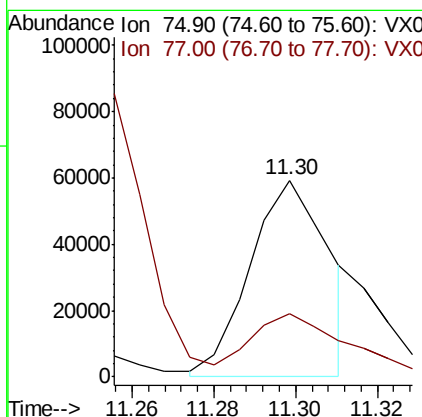
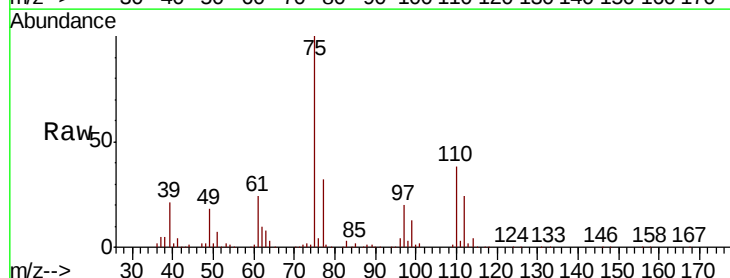
RT: 11.30 min Scan# 1664

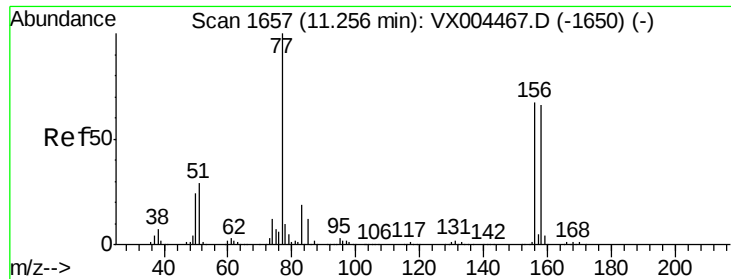
Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Tgt Ion:	75	Resp:	79184
Ion Ratio	Lower	Upper	
75	100		
77	39.7	20.2	60.6





#77

Bromobenzene

Concen: 20.19 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBSD01

Tot Ion:156 Resp: 73140

Ion Ratio Lower Upper

156 100

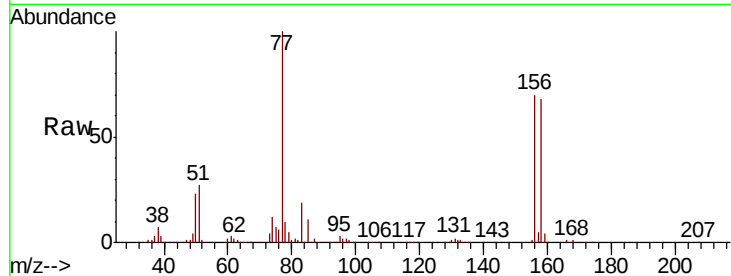
77 145.6 71.5 214.3

158 98.3 48.9 146.8

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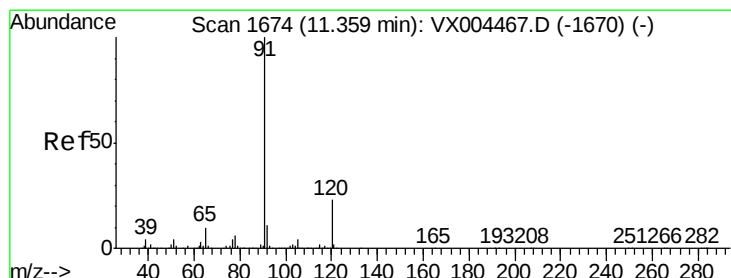
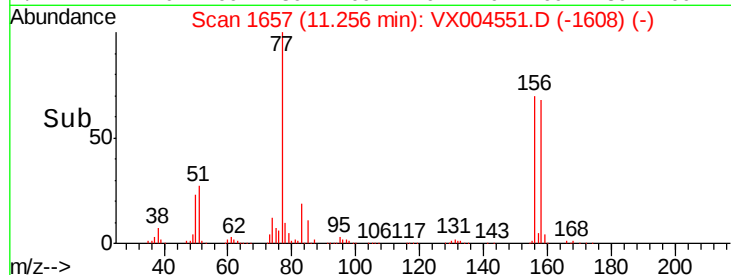
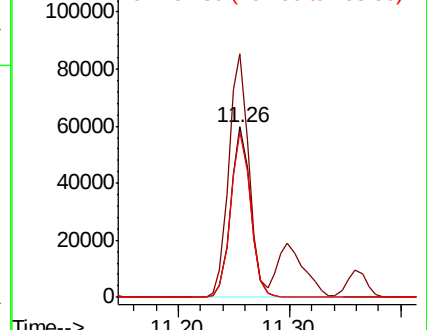
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.59 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004551.D

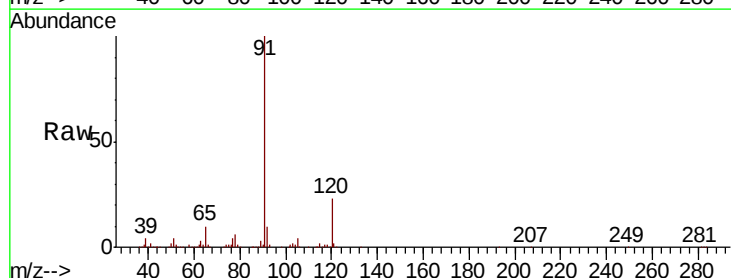
Acq: 14 Sep 2018 20:14

Tgt Ion: 91 Resp: 310152

Ion Ratio Lower Upper

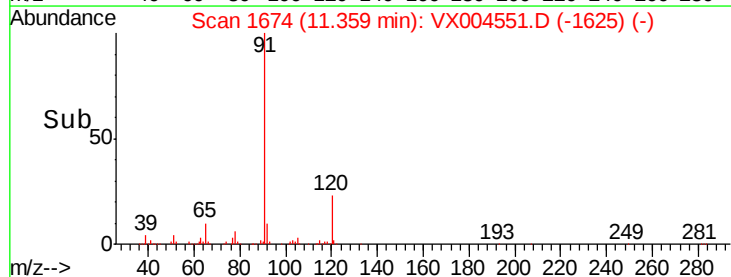
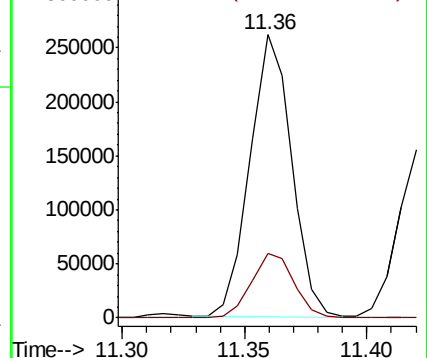
91 100

120 23.4 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: 20.51 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBSD01

Tot Ion: 91 Resp: 187418

Ion Ratio Lower Upper

91 100

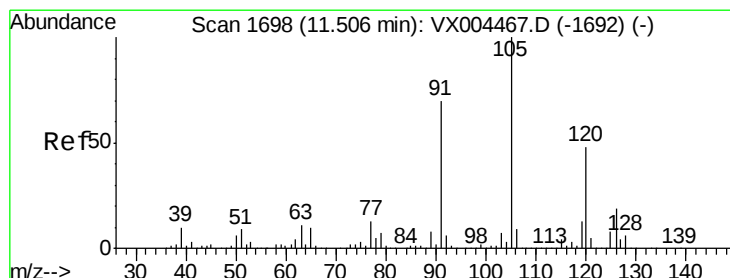
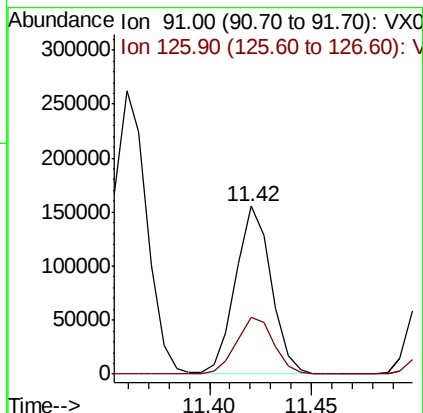
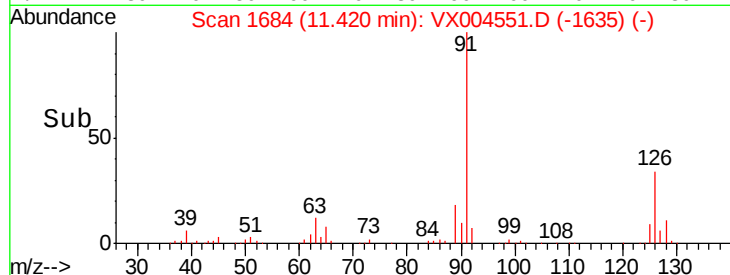
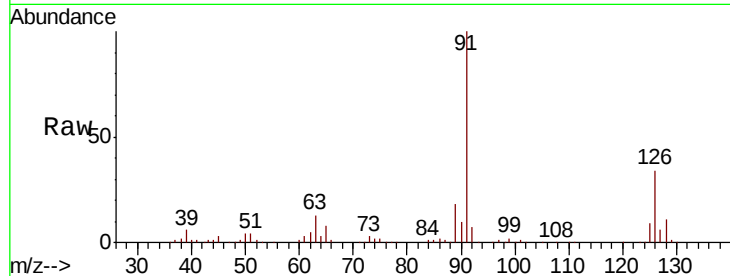
126 35.7 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.92 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004551.D

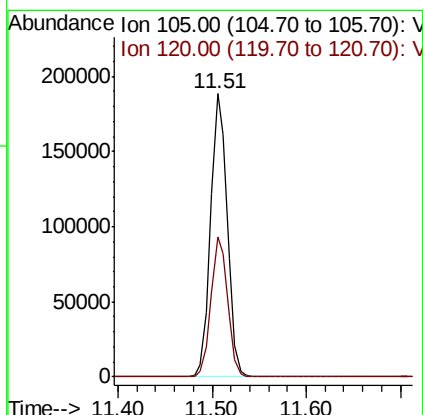
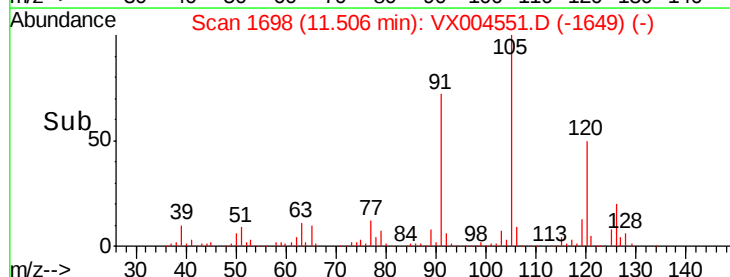
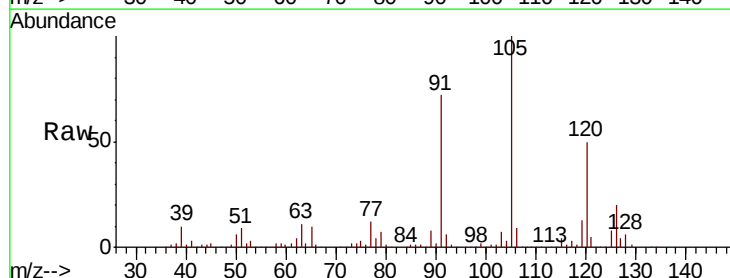
Acq: 14 Sep 2018 20:14

Tgt Ion: 105 Resp: 230439

Ion Ratio Lower Upper

105 100

120 49.2 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.85 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBSD01

Tot Ion: 75 Resp: 22421

Ion Ratio Lower Upper

75 100

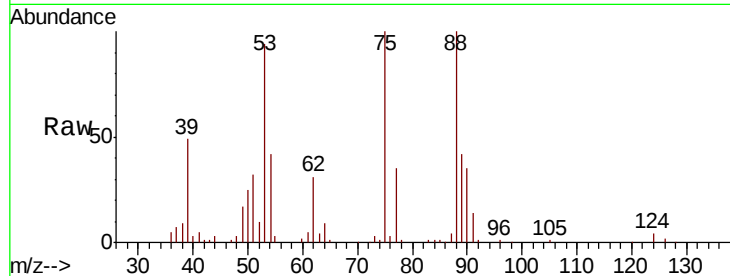
53 99.3 80.1 120.1

89 44.4 37.2 55.8

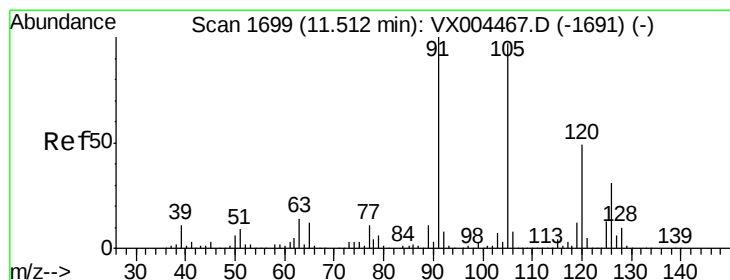
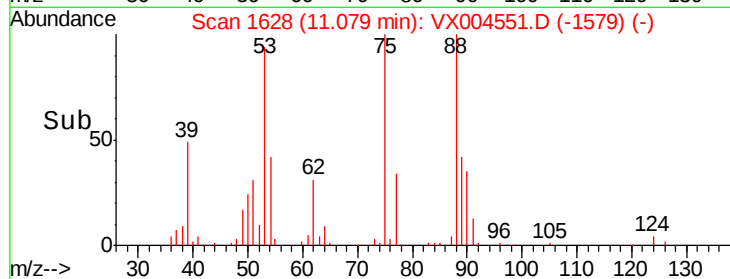
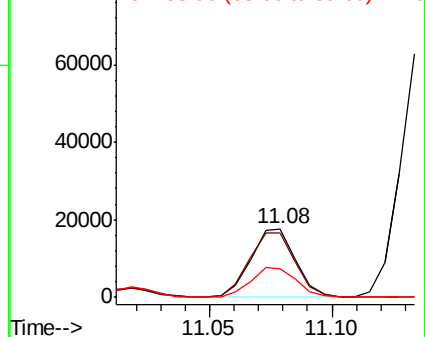
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.10 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004551.D

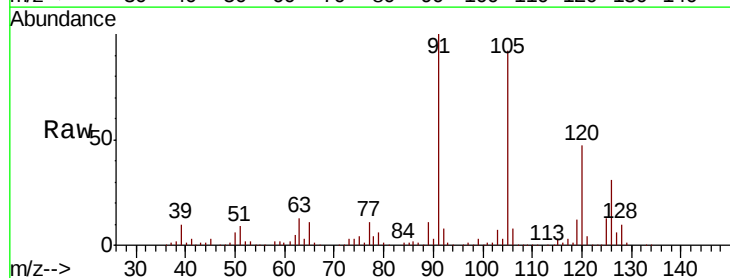
Acq: 14 Sep 2018 20:14

Tgt Ion: 91 Resp: 214409

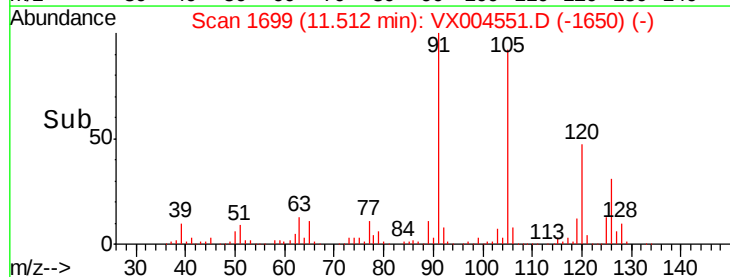
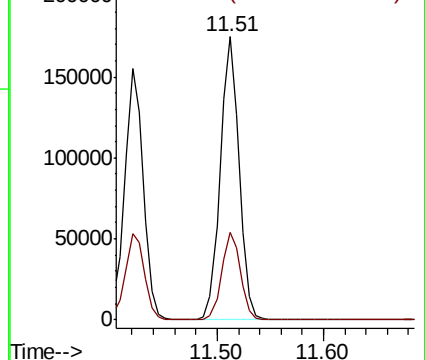
Ion Ratio Lower Upper

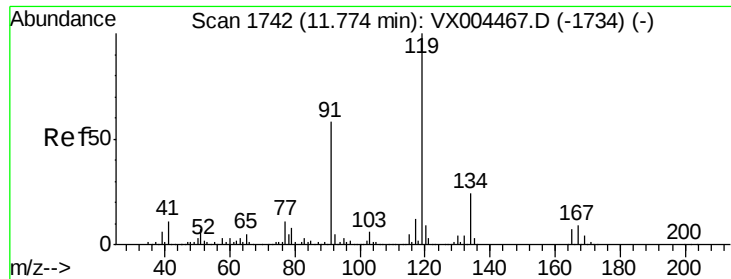
91 100

126 30.8 15.5 46.5



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





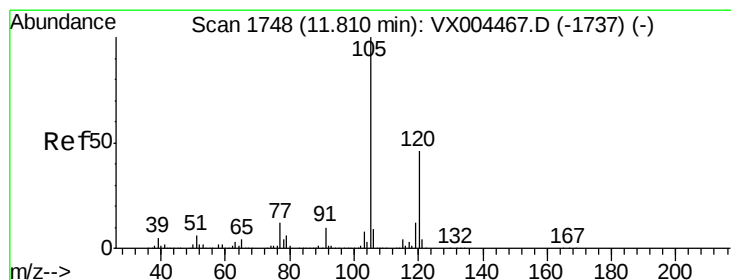
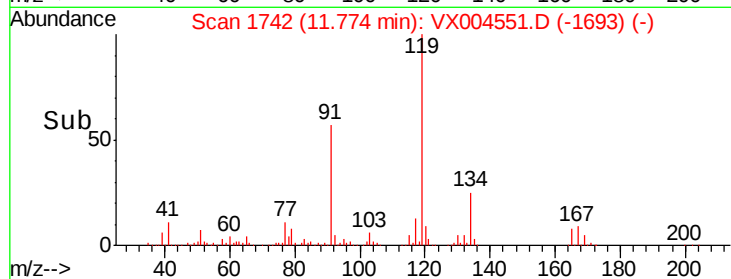
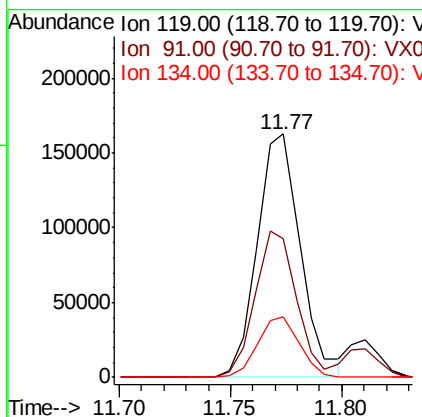
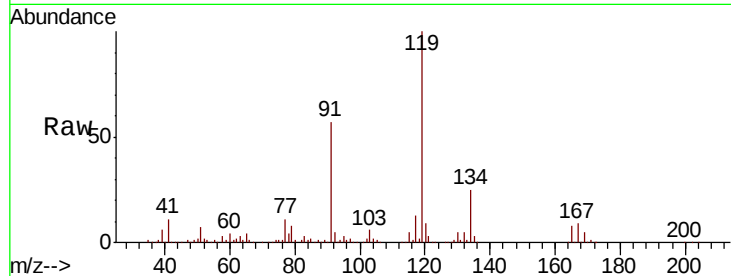
#83
 tert-Butylbenzene
 Concen: 20.96 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	219831		
91	57.6		27.0	81.0
134	24.0		11.7	35.1

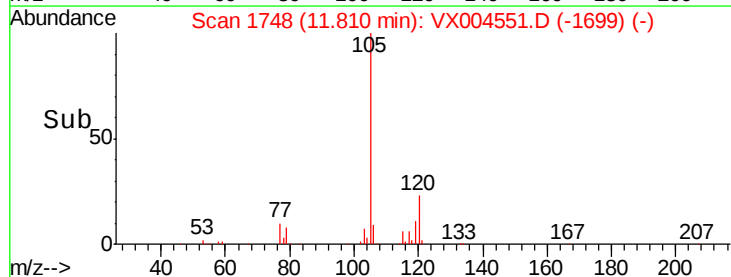
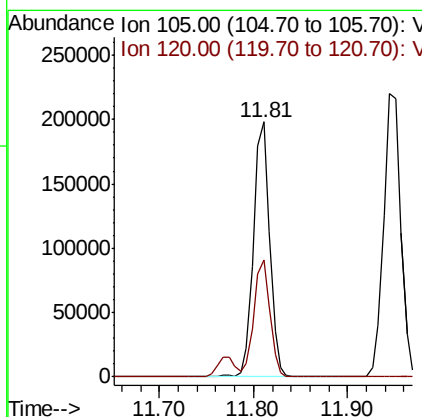
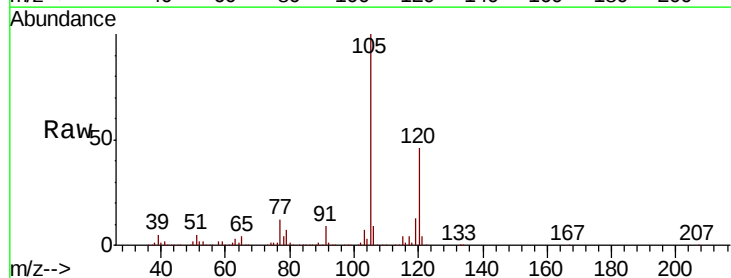
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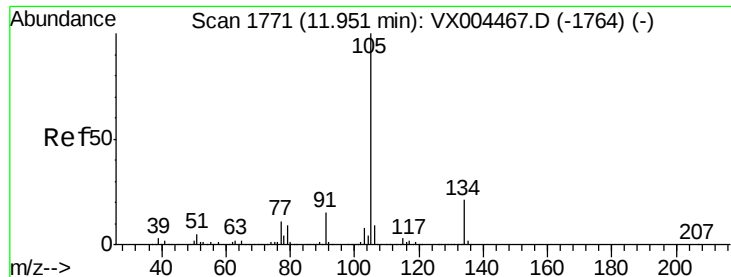
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.21 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	238509		
120	45.6		23.2	69.6





#85

sec-Butylbenzene

Concen: 20.88 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

ClientSampleID :

VX0914WBSD01

Tot Ion:105 Resp: 279068

Ion Ratio Lower Upper

105 100

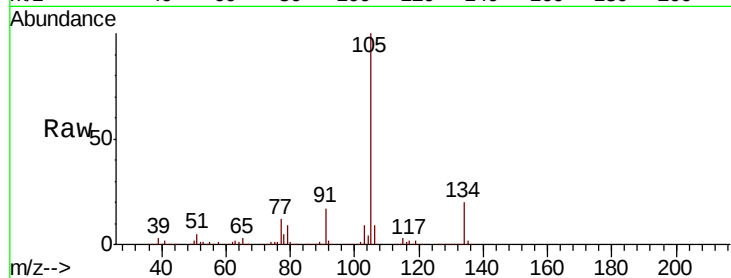
134 20.4 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

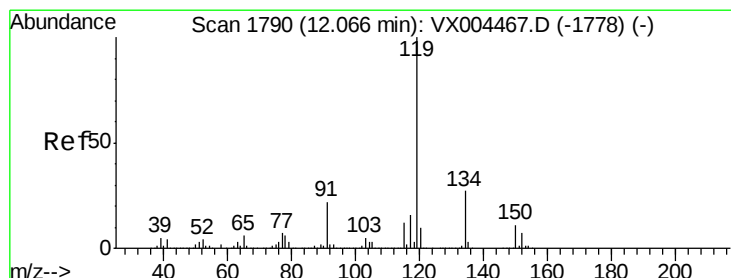
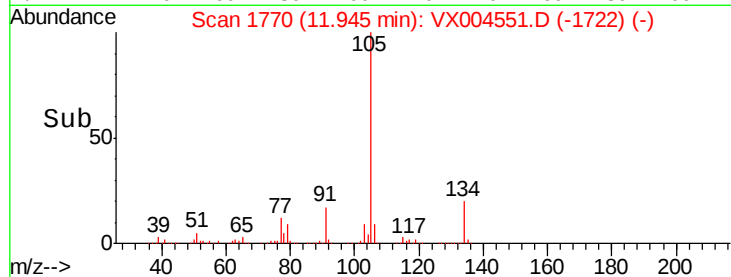
50000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 21.85 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

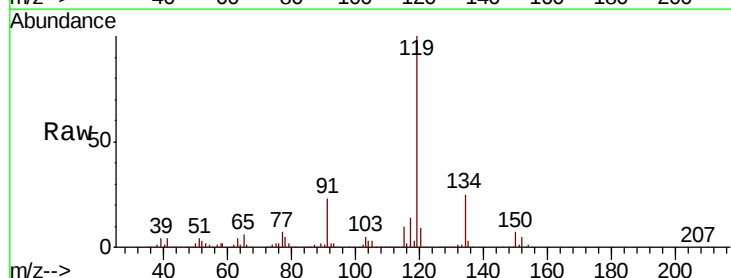
Tgt Ion:119 Resp: 257800

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 23.4 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

250000

200000

150000

100000

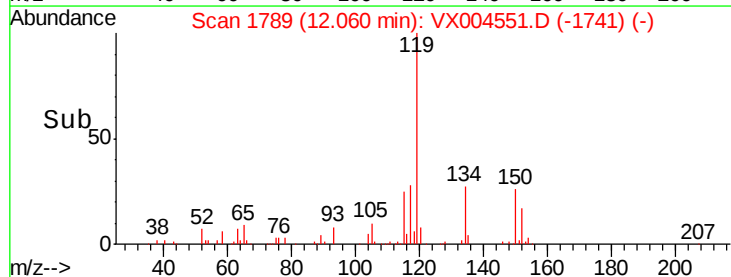
50000

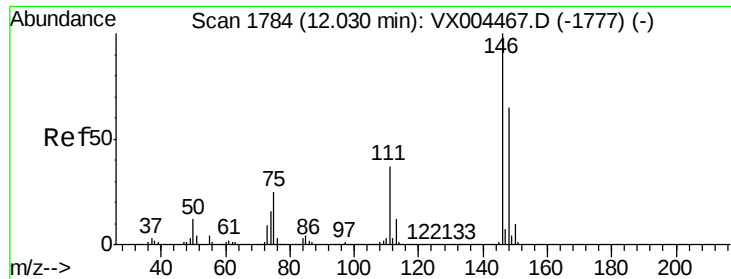
0

12.00

12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.86 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

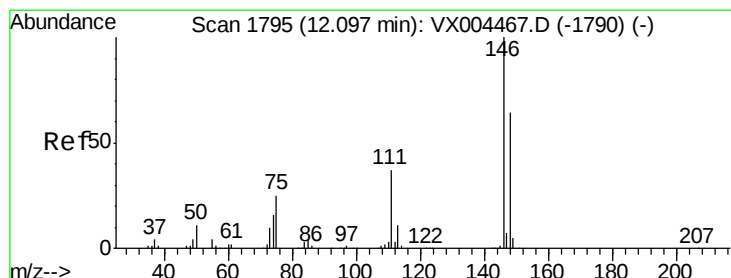
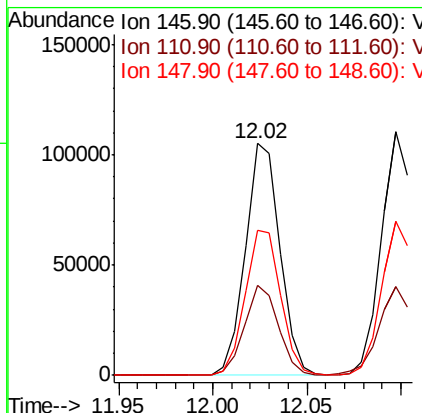
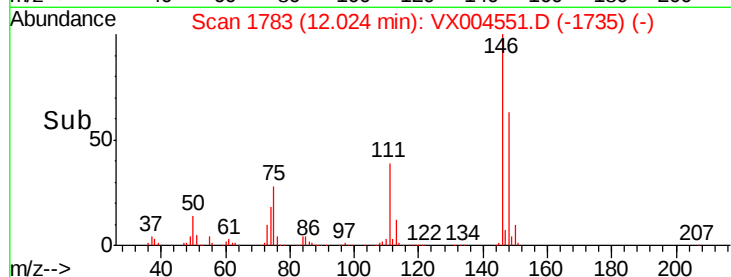
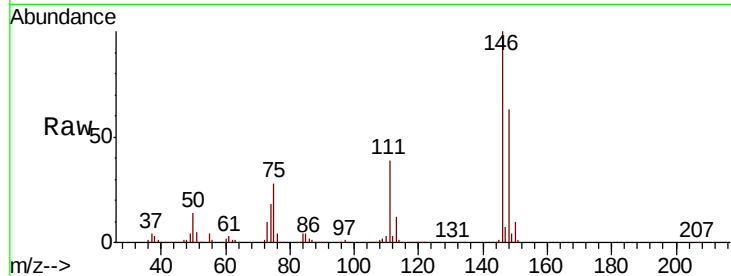
ClientSampleId :

VX0914WBSD01

Tot Ion:	146	Resp:	134228
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.7	56.1
148	64.0	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.26 ug/l

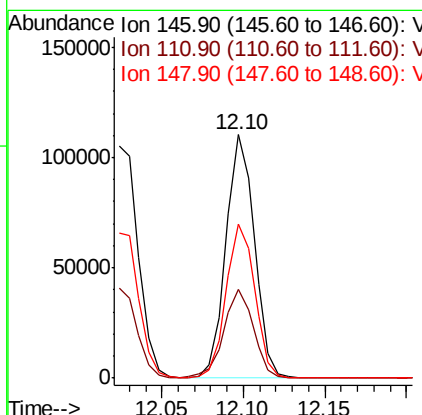
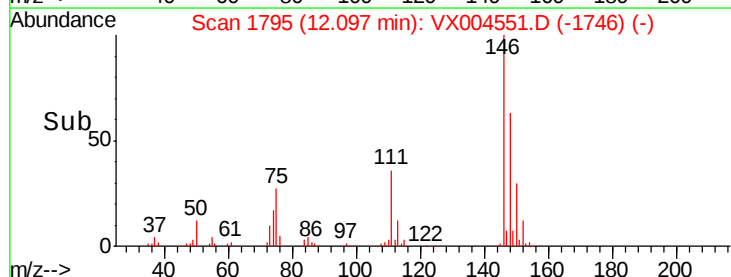
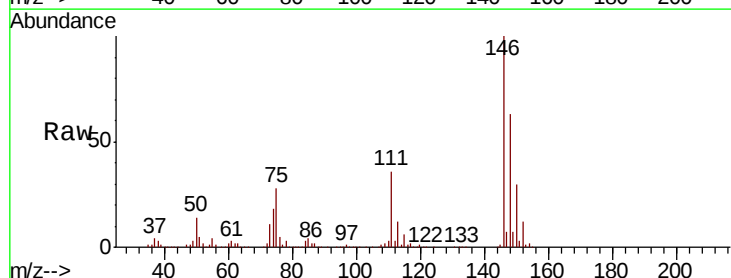
RT: 12.10 min Scan# 1795

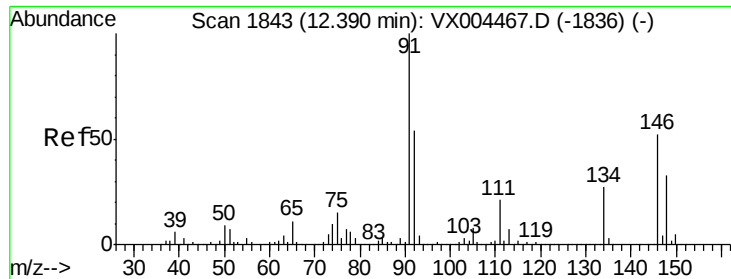
Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Tgt Ion:	146	Resp:	134470
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.1	54.1
148	64.0	32.0	96.0





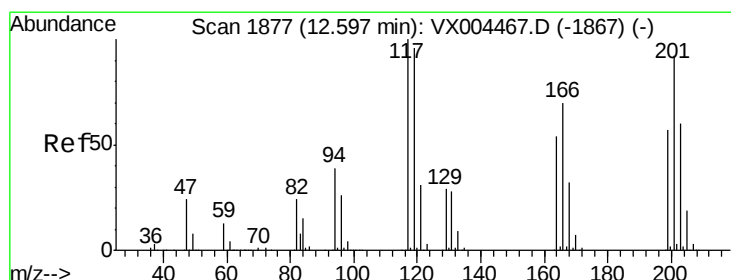
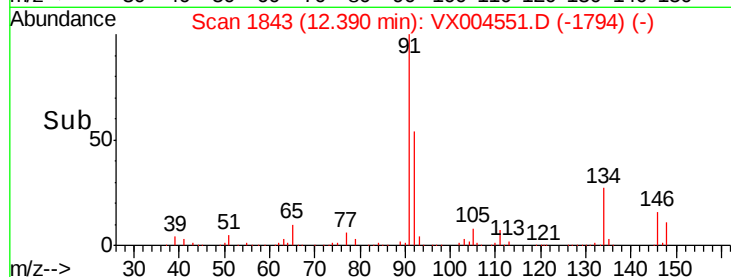
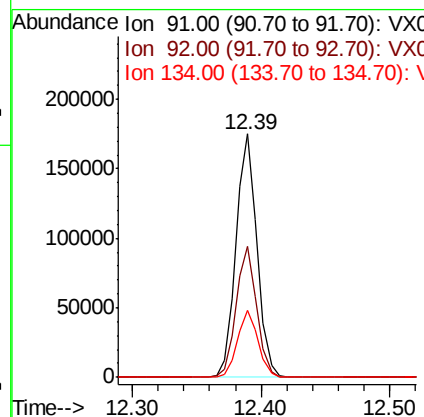
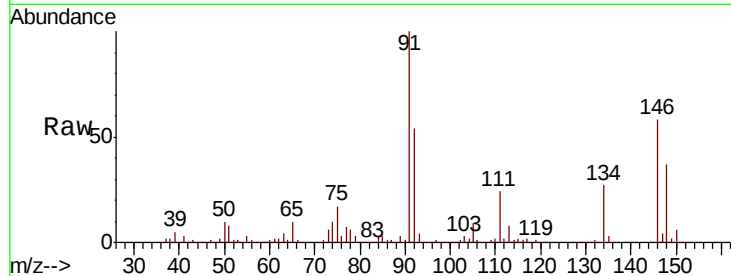
#89
n-Butylbenzene
Concen: 18.58 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	199827		
92	52.8	27.3	81.9	
134	27.1	13.6	40.7	

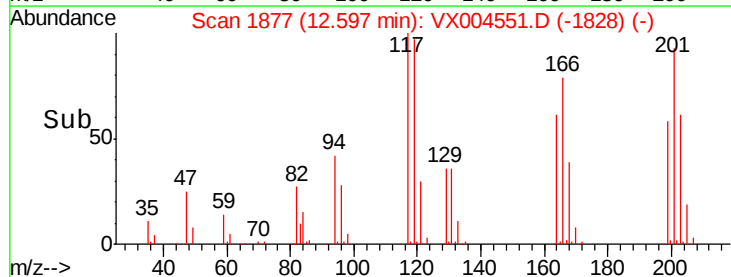
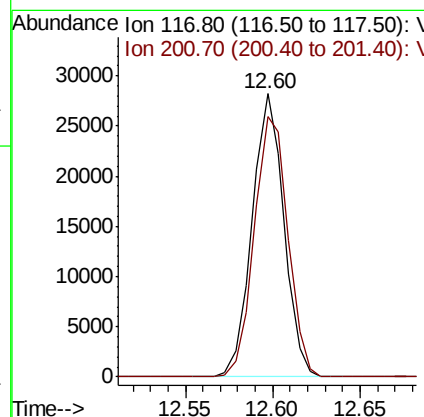
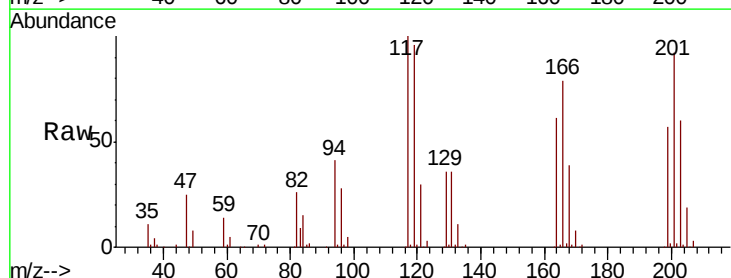
Manual Integrations
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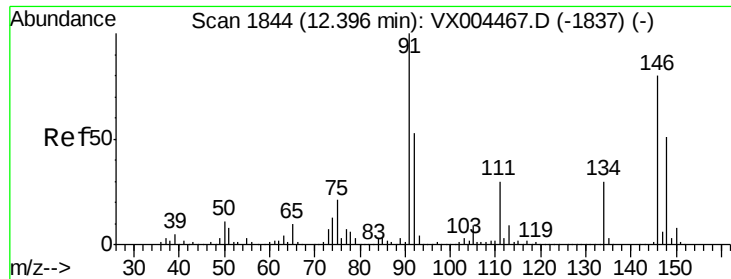
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#90
Hexachloroethane
Concen: 18.80 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004551.D
Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35512		
201	97.6	46.9	140.6	





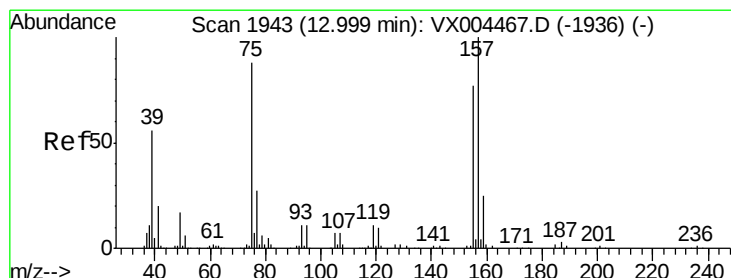
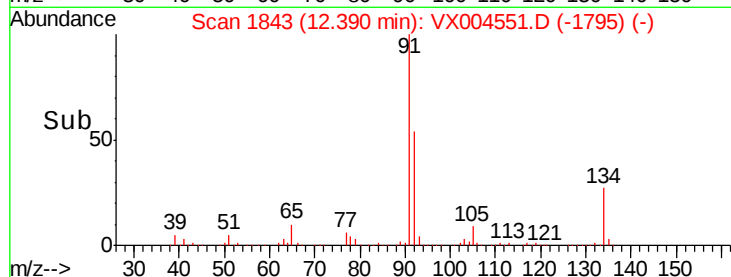
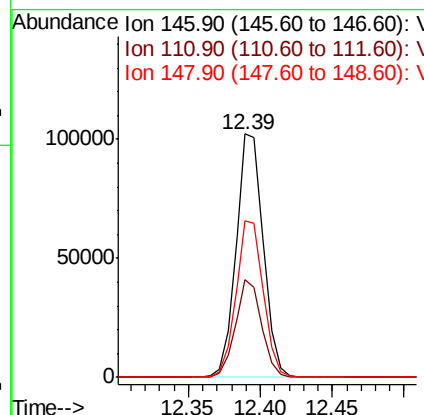
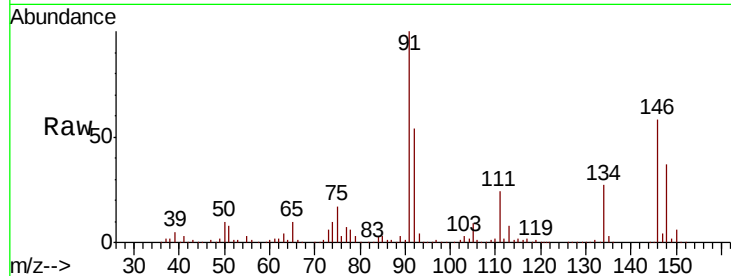
#91
 1,2-Dichlorobenzene
 Concen: 19.75 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	64.3	32.8	98.3

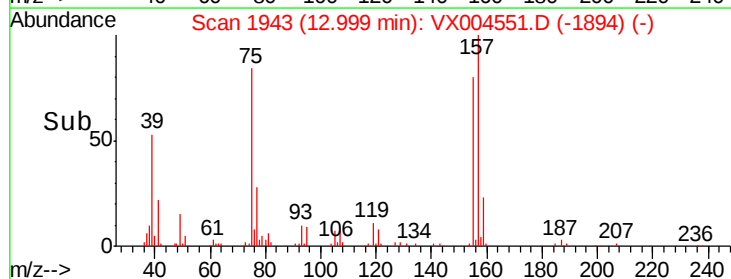
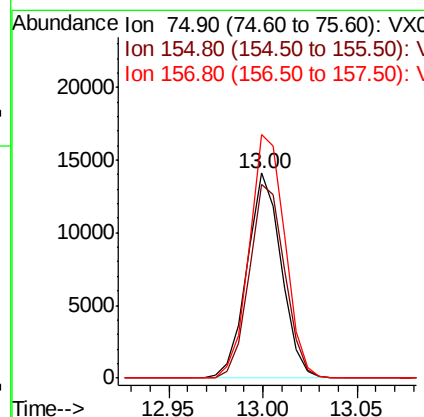
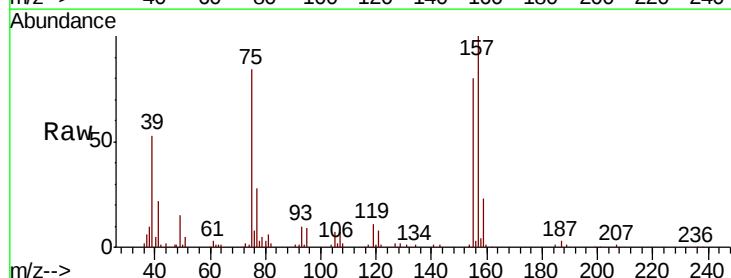
Manual Integrations
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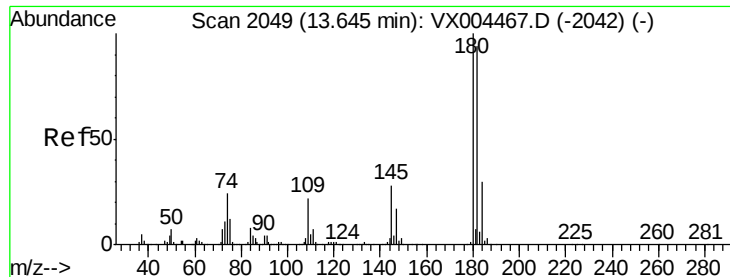
MMDadoda
 9/17/2018 5:09:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.71 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	48.0	144.2
157	123.3	61.4	184.1





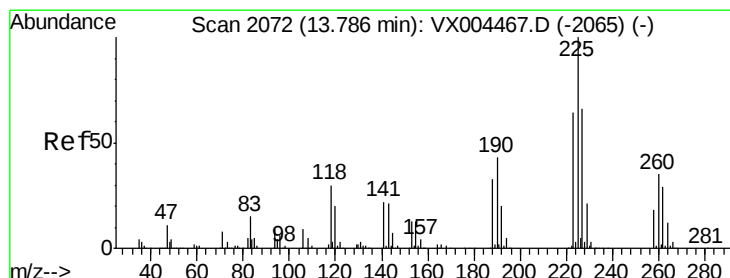
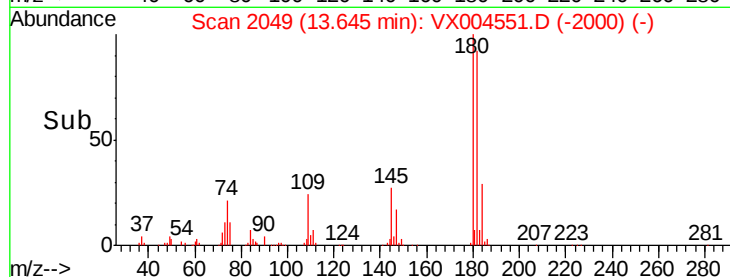
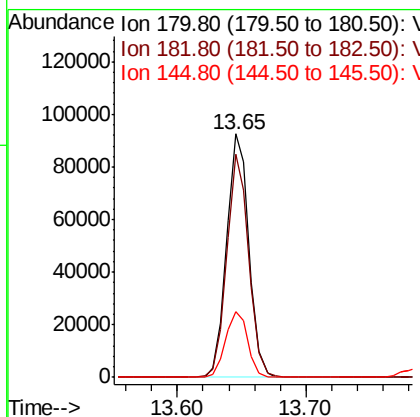
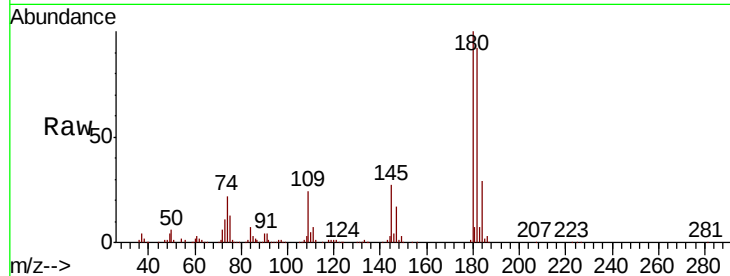
#93
 1,2,4-Trichlorobenzene
 Concen: 23.15 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112105		
182	90.5	48.4	145.0	
145	27.2	14.3	42.9	

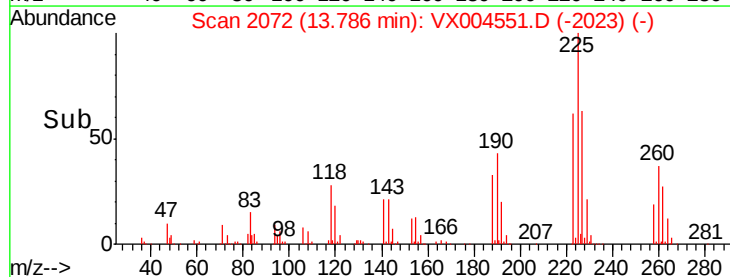
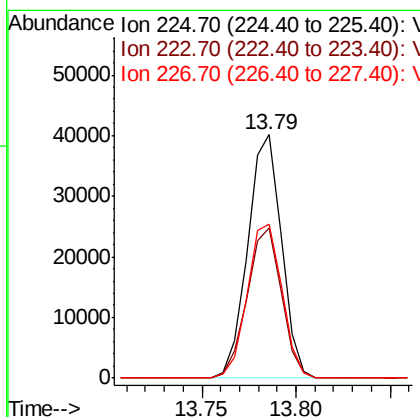
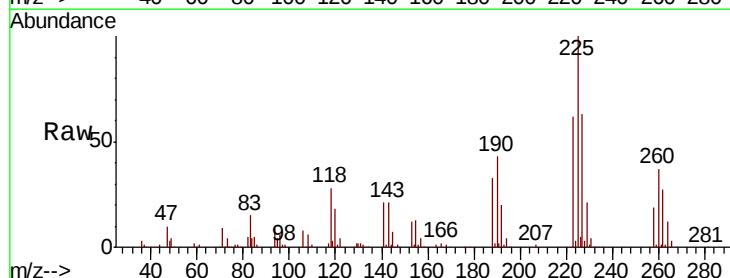
Manual Integrations
 APPROVED

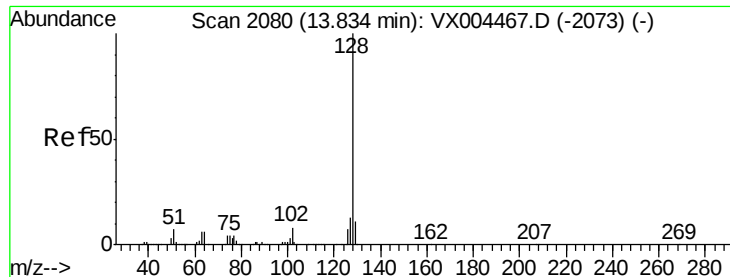
MMDadoda
 9/17/2018 5:09:26 PM



#94
 Hexachlorobutadiene
 Concen: 19.71 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004551.D
 Acq: 14 Sep 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49865		
223	63.0	30.1	90.5	
227	65.0	30.8	92.4	





#95

Naphthalene

Concen: 22.25 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Instrument :

MSVOA_X

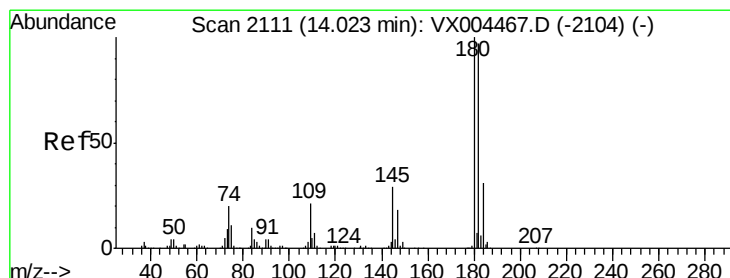
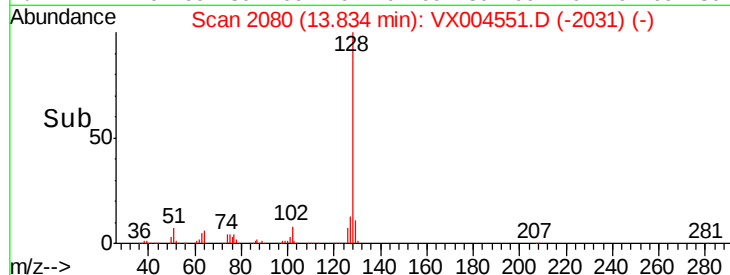
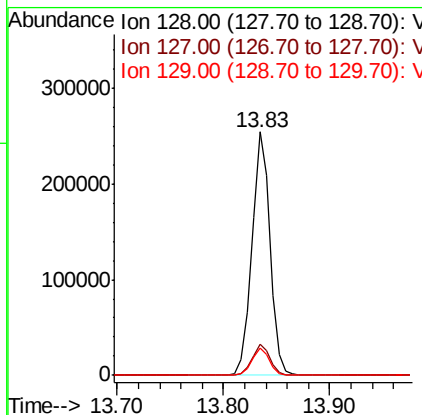
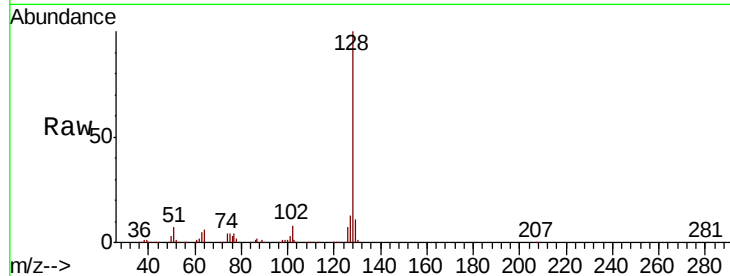
ClientSampleId :

VX0914WBSD01

Tot Ion:	128	Resp:	302199
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 5:09:26 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.07 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004551.D

Acq: 14 Sep 2018 20:14

Tgt Ion:	180	Resp:	99843
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.5	145.6
145	29.8	14.9	44.9

