

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004110.D
 Acq On : 16 Aug 2018 08:53
 Operator : JC/MD
 Sample : J4495-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 16 14:05:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	431841	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	258705	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	212926	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
35) Dibromofluoromethane	5.51	113	166488	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
50) Toluene-d8	8.72	98	686229	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	11.14	95	248379	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	133564	51.555	ug/l	99
3) Chloromethane	1.32	50	162571	51.135	ug/l	99
4) Vinyl Chloride	1.40	62	187012	54.367	ug/l	99
5) Bromomethane	1.64	94	96062	55.126	ug/l	99
6) Chloroethane	1.73	64	122766	54.415	ug/l	99
7) Trichlorofluoromethane	1.93	101	249343	51.673	ug/l	98
8) Diethyl Ether	2.18	74	112262	53.291	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	146732	48.744	ug/l	99
10) Methyl Iodide	2.51	142	170359	52.688	ug/l	100
11) Tert butyl alcohol	3.04	59	171937	227.697	ug/l	100
12) 1,1-Dichloroethene	2.38	96	145781	52.069	ug/l	97
13) Acrolein	2.29	56	109129	214.631	ug/l	99
14) Allyl chloride	2.73	41	253548	47.595	ug/l	97
15) Acrylonitrile	3.14	53	483953	257.051	ug/l	99
16) Acetone	2.43	43	493110	252.930	ug/l	100
17) Carbon Disulfide	2.57	76	403434	50.803	ug/l	99
18) Methyl Acetate	2.77	43	229240	52.913	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	517401	52.453	ug/l	100
20) Methylene Chloride	2.86	84	175313	55.079	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	163578	51.445	ug/l	98
22) Diisopropyl ether	3.87	45	541355	51.860	ug/l	98
23) Vinyl Acetate	3.82	43	2271131	264.889	ug/l	99
24) 1,1-Dichloroethane	3.70	63	311409	52.668	ug/l	99
25) 2-Butanone	4.69	43	801353	252.624	ug/l	99
26) 2,2-Dichloropropane	4.59	77	104384	22.206	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	201138	56.254	ug/l	94
28) Bromochloromethane	5.03	49	155624	57.368	ug/l	96
29) Tetrahydrofuran	5.15	42	406574	250.867	ug/l	98
30) Chloroform	5.21	83	305842	53.000	ug/l	98
31) Cyclohexane	5.58	56	258112	49.796	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	256609	53.215	ug/l	99
36) 1,1-Dichloropropene	5.81	75	219324	44.633	ug/l	100
37) Ethyl Acetate	4.85	43	247606	46.270	ug/l	99
38) Carbon Tetrachloride	5.79	117	219381	45.950	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	254011	45.564	ug/l	99
40) Benzene	6.15	78	730110	49.480	ug/l	100
41) Methacrylonitrile	5.06	41	136935	45.691	ug/l	99
42) 1,2-Dichloroethane	6.20	62	253818	49.141	ug/l	100
43) Isopropyl Acetate	6.46	43	385211	48.837	ug/l	100
44) Trichloroethene	7.21	130	191552	47.818	ug/l	94
45) 1,2-Dichloropropane	7.52	63	189849	50.259	ug/l	99
46) Dibromomethane	7.67	93	123068	49.854	ug/l	99
47) Bromodichloromethane	7.90	83	237973	50.900	ug/l	99
48) Methyl methacrylate	7.78	41	203076	51.144	ug/l	98
49) 1,4-Dioxane	7.76	88	72677	812.978	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1654715	255.848	ug/l	100
52) Toluene	8.79	92	468702	50.225	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	232392	46.011	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	245190	43.835	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	191149	49.601	ug/l	98
56) Ethyl methacrylate	9.18	69	276671	52.795	ug/l	99
57) 1,3-Dichloropropane	9.37	76	321630	50.303	ug/l	100
59) 2-Hexanone	9.50	43	1244082	255.587	ug/l	100
60) Dibromochloromethane	9.59	129	190963	51.493	ug/l	99
61) 1,2-Dibromoethane	9.68	107	197101	50.171	ug/l	99
64) Tetrachloroethene	9.34	164	180050	45.569	ug/l	95
65) Chlorobenzene	10.14	112	505452	46.938	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	179943	48.993	ug/l	99
67) Ethyl Benzene	10.26	91	851524	49.936	ug/l	100
68) m/p-Xylenes	10.36	106	651483	97.563	ug/l	98
69) o-Xylene	10.70	106	329514	51.635	ug/l	97
70) Stvrene	10.71	104	553984	51.582	ug/l	99
71) Bromoform	10.86	173	144204	49.513	ug/l	98
73) Isopropylbenzene	11.02	105	896349	51.199	ug/l	97
74) N-amyl acetate	6.46	43	385211	46.780	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	297332	48.633	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	307875	59.342	ug/l	85
77) Bromobenzene	11.26	156	237805	49.274	ug/l	99
78) n-propylbenzene	11.36	91	1017121	51.914	ug/l	100
79) 2-Chlorotoluene	11.42	91	567772	47.553	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	707797	49.375	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	64171	38.288	ug/l	97
82) 4-Chlorotoluene	11.51	91	678166	48.050	ug/l	98
83) tert-Butylbenzene	11.77	119	738613	51.103	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	776552	52.304	ug/l	100
85) sec-Butylbenzene	11.95	105	852577	50.399	ug/l	100
86) p-Isopropyltoluene	12.07	119	779979	50.930	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	432230	46.958	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	443589	46.825	ug/l	100
89) n-Butylbenzene	12.39	91	594420	49.258	ug/l	99
90) Hexachloroethane	12.60	117	108081	47.167	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	431907	52.029	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51100	47.556	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	270481	47.666	ug/l	98

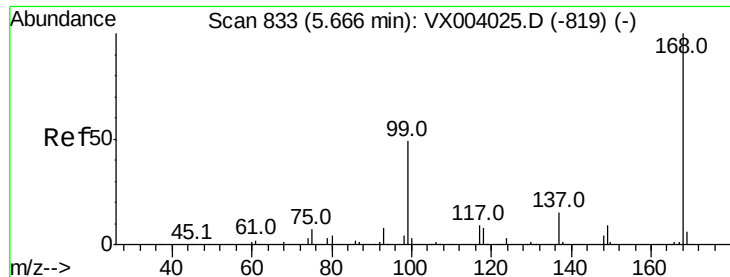
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	126015	44.302	ug/l	99
95) Naphthalene	13.83	128	901456	49.840	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	305513	49.375	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

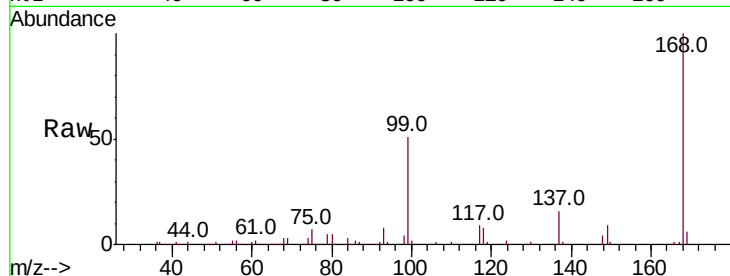
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 266140

Ion Ratio Lower Upper

168 100

99 51.1 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

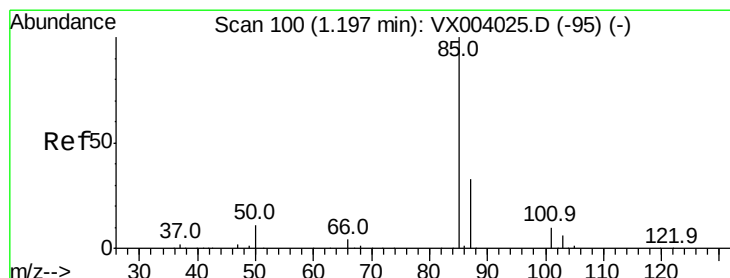
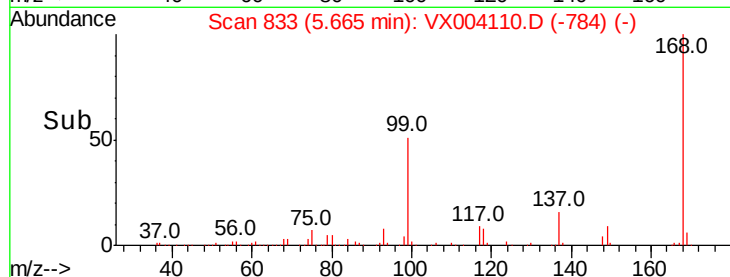
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 51.555 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004110.D

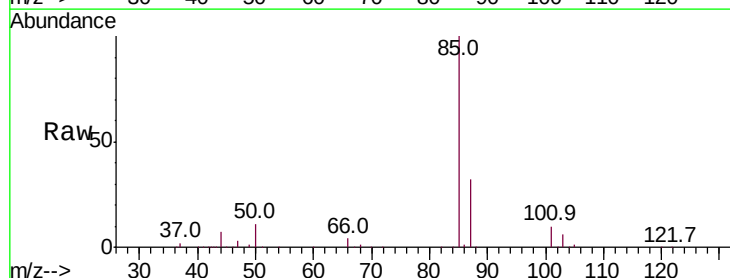
Acq: 16 Aug 2018 08:53

Tgt Ion: 85 Resp: 133564

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

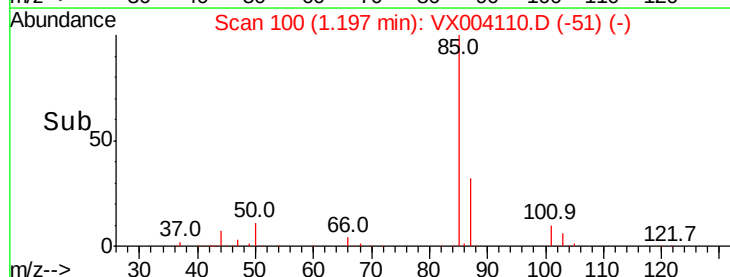
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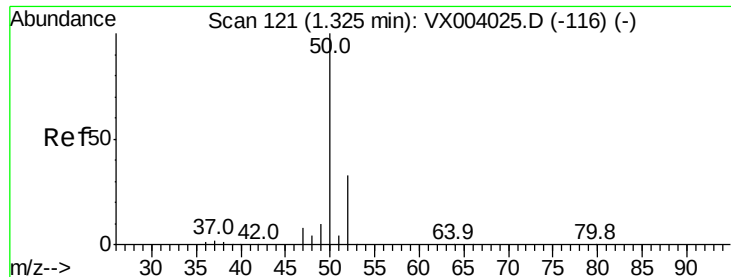
100000

50000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 51.135 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

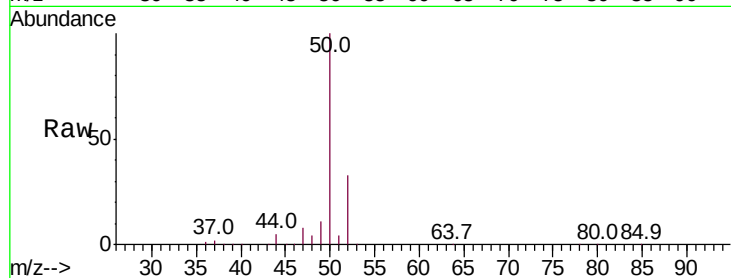
ClientSampled :

Tot Ion: 50 Resp: 162571

Ion Ratio Lower Upper

50 100

52 32.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

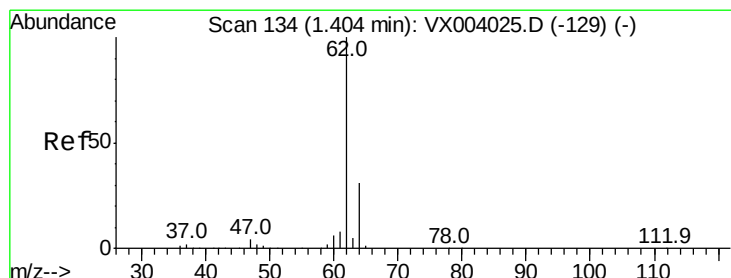
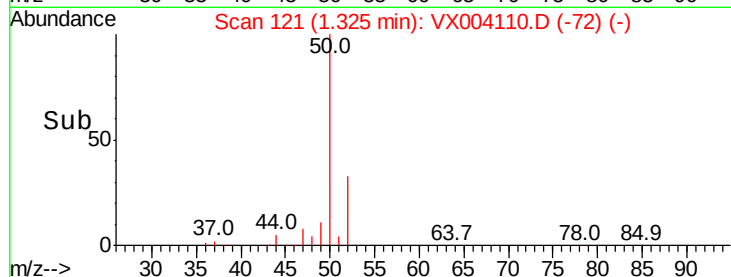
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 54.367 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004110.D

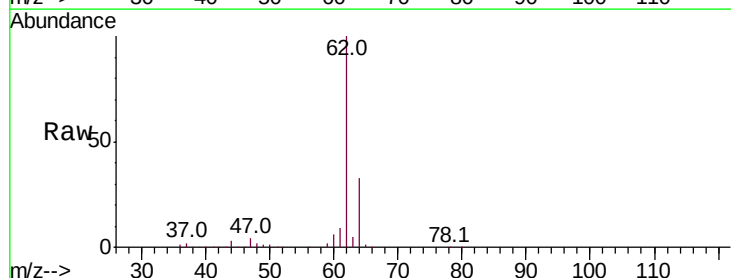
Acq: 16 Aug 2018 08:53

Tgt Ion: 62 Resp: 187012

Ion Ratio Lower Upper

62 100

64 33.0 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

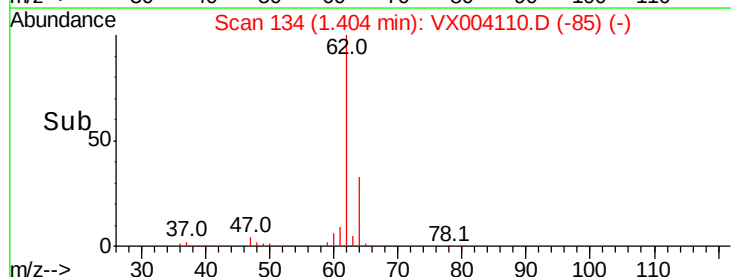
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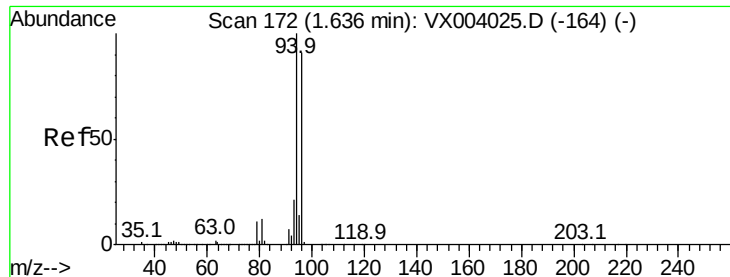
100000

50000

0

Time-->





#5

Bromomethane

Concen: 55.126 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

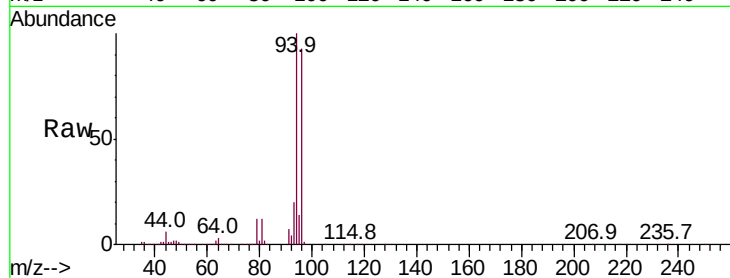
ClientSampleId :

Tot Ion: 94 Resp: 96062

Ion Ratio Lower Upper

94 100

96 93.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

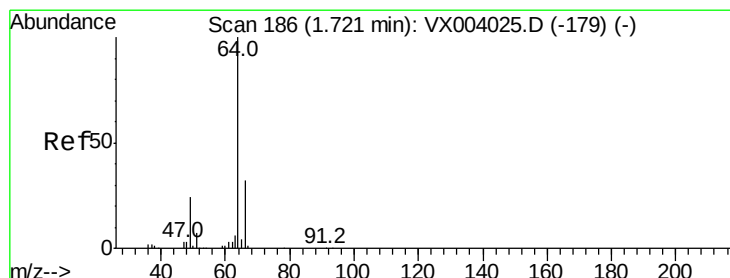
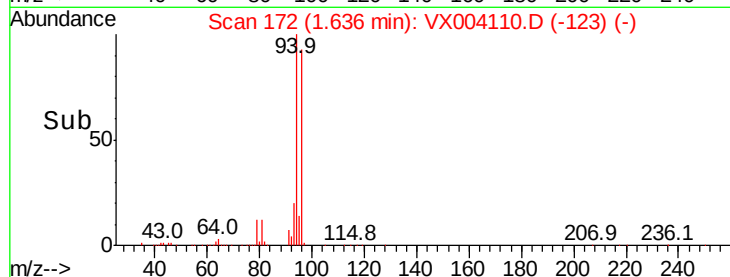
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 54.415 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004110.D

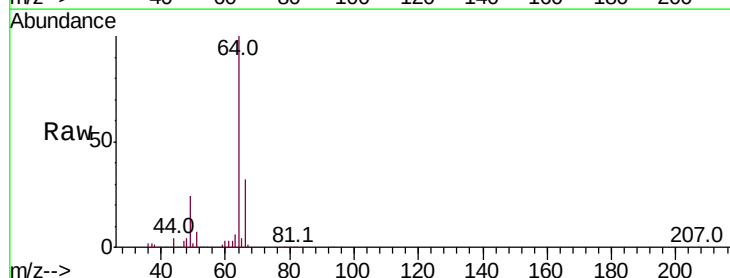
Acq: 16 Aug 2018 08:53

Tgt Ion: 64 Resp: 122766

Ion Ratio Lower Upper

64 100

66 32.6 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

100000

80000

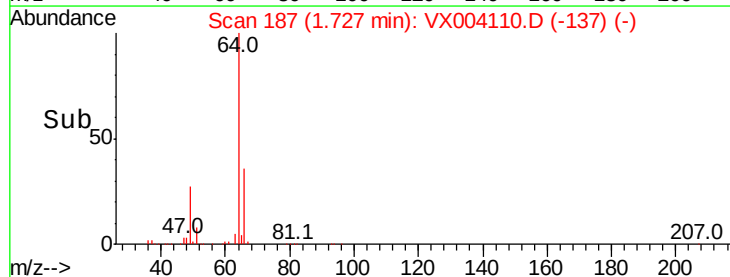
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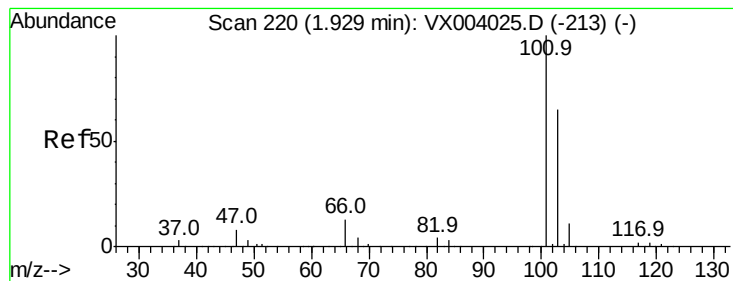
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20000

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Time-->



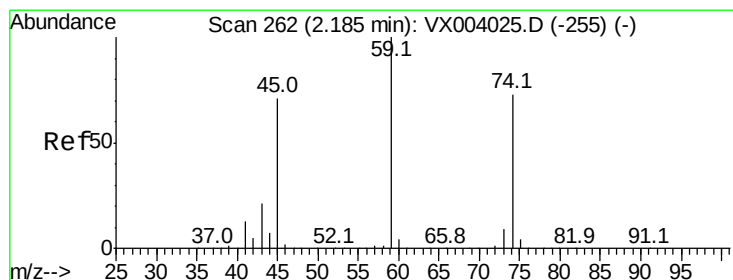
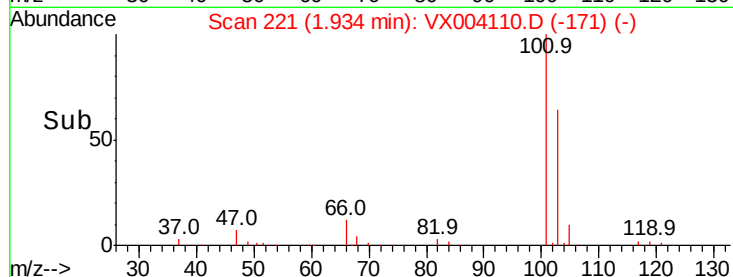
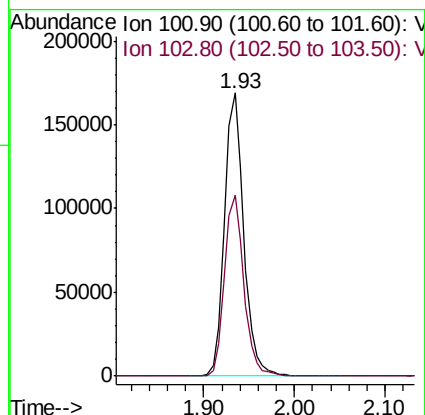
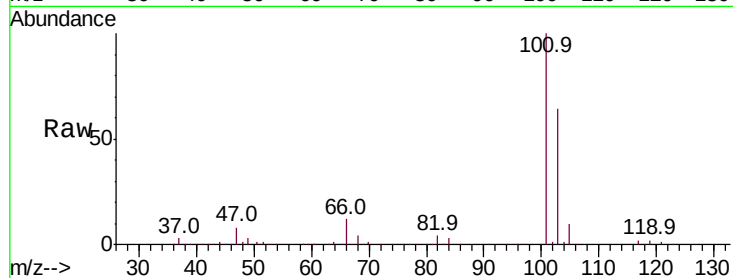


#7

Trichlorofluoromethane
 Concen: 51.673 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :

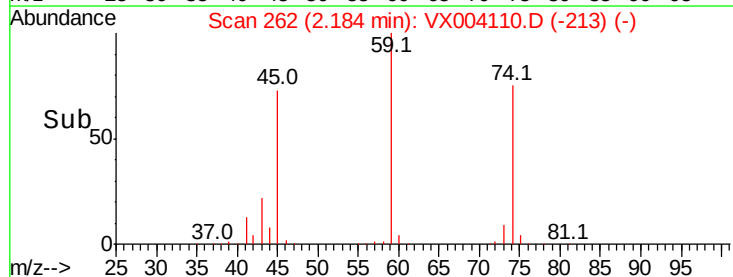
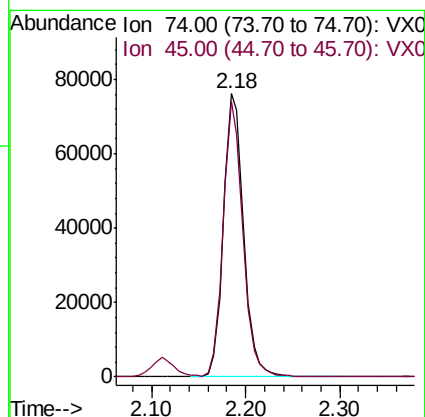
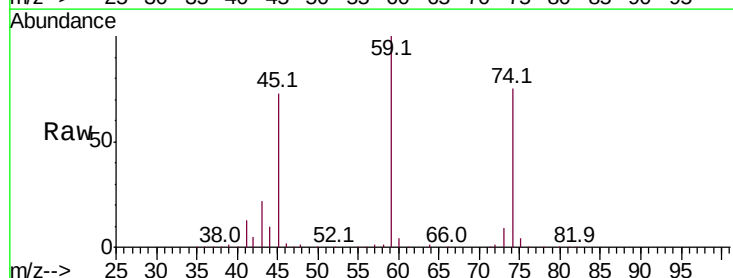
Tot Ion:101 Resp: 249343
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.3 78.5

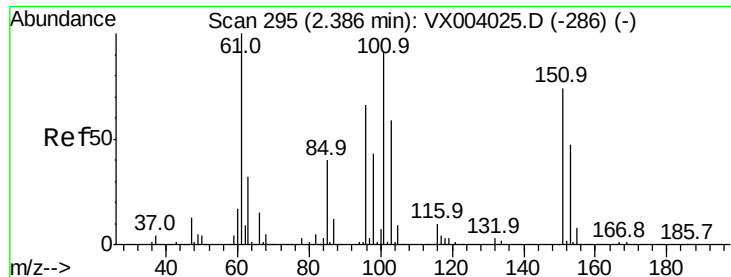


#8

Diethyl Ether
 Concen: 53.291 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion: 74 Resp: 112262
 Ion Ratio Lower Upper
 74 100
 45 95.3 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.744 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

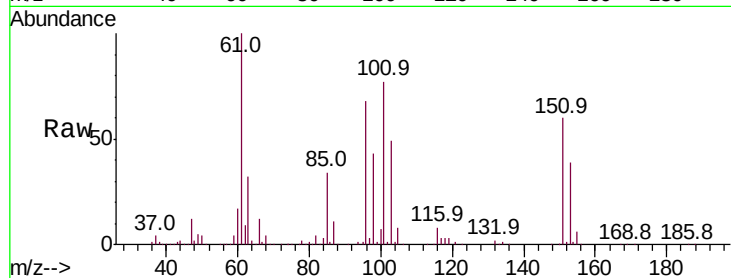
Tot Ion:101 Resp: 146732

Ion Ratio Lower Upper

101 100

85 43.2 34.2 51.4

151 81.8 65.0 97.4

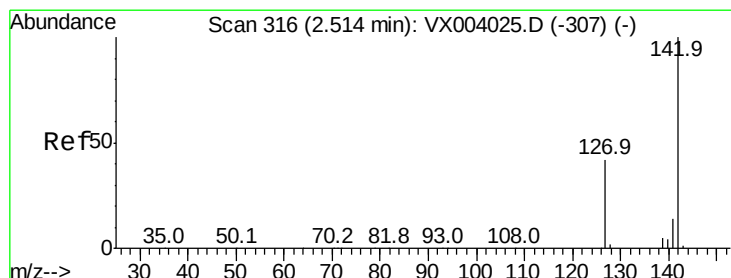
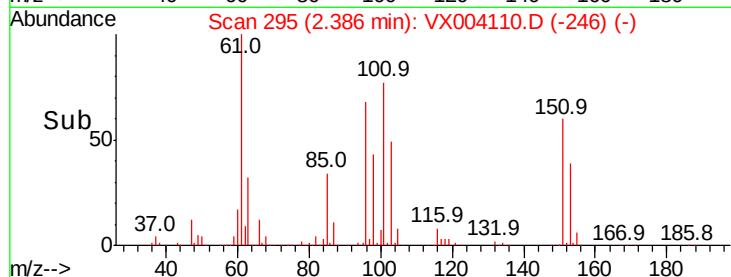
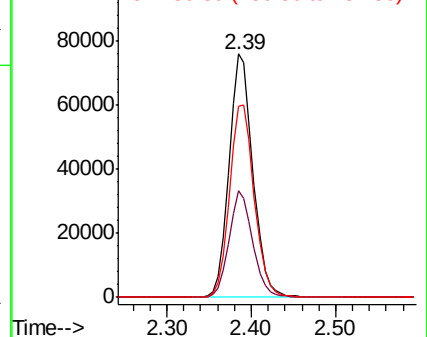


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.688 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

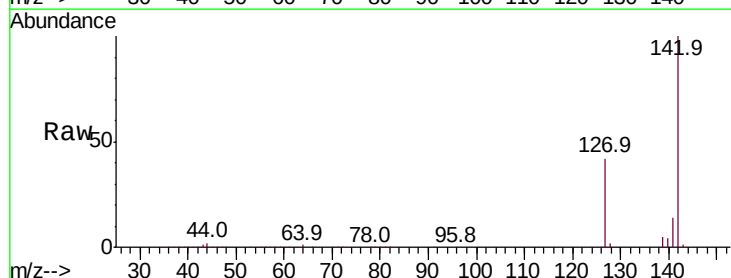
Tgt Ion:142 Resp: 170359

Ion Ratio Lower Upper

142 100

127 41.2 33.1 49.7

141 14.1 11.1 16.7

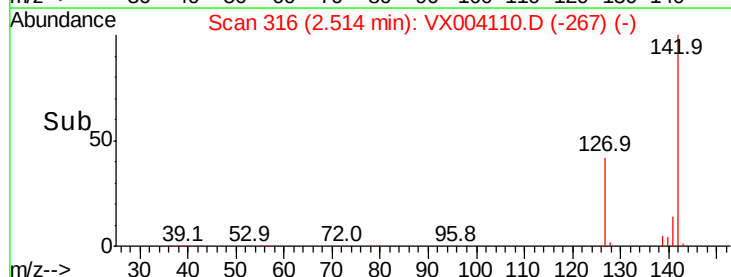
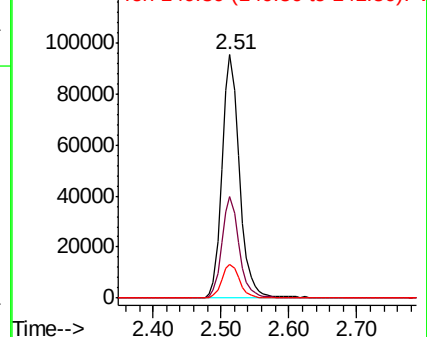


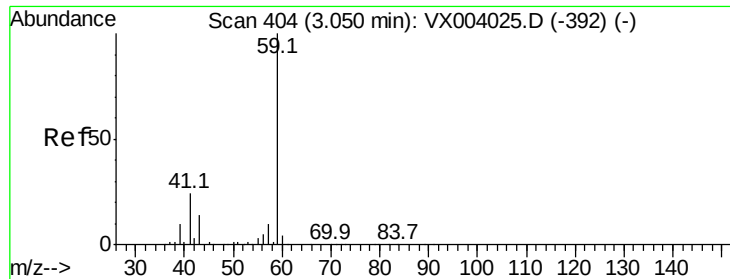
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



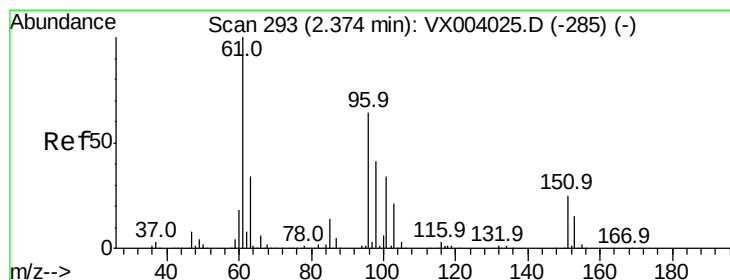
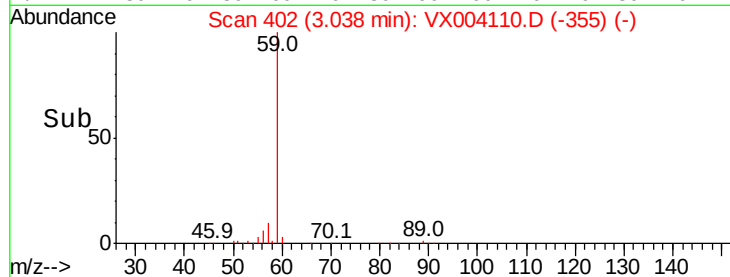
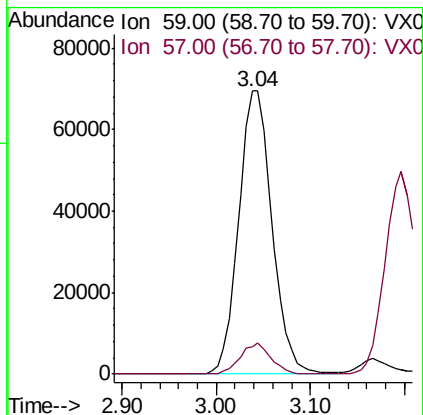
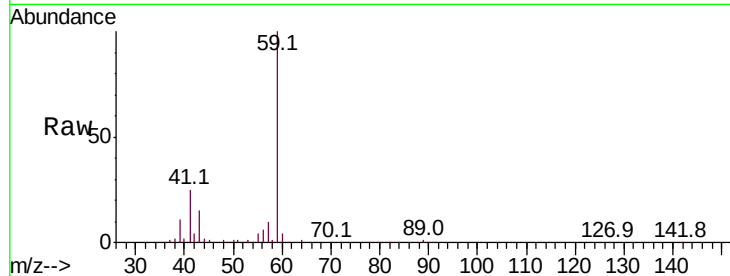


#11

Tert butyl alcohol
Concen: 227.697 ug/l
RT: 3.04 min Scan# 402
Delta R.T. -0.01 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :

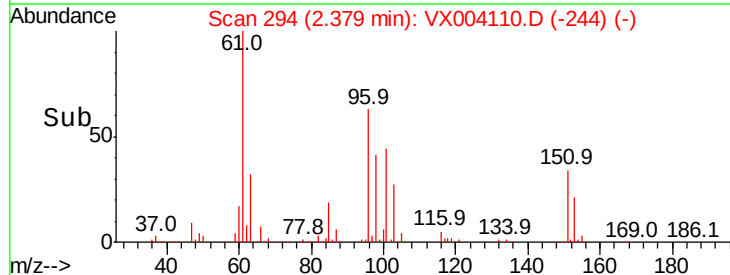
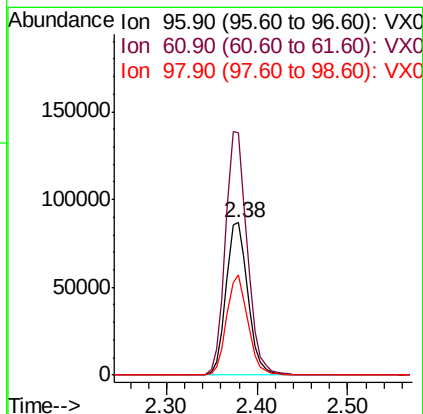
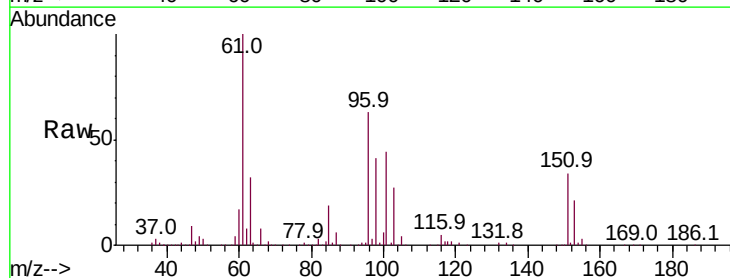
Tot Ion: 59 Resp: 171937
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1

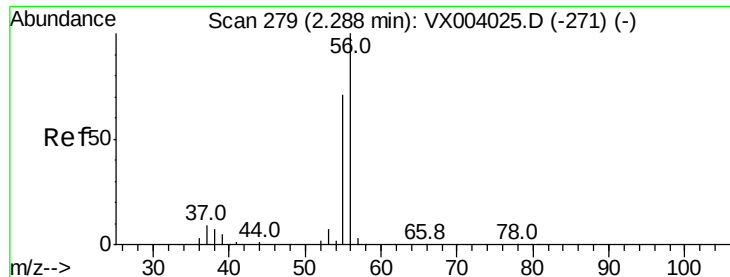


#12

1,1-Dichloroethene
Concen: 52.069 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion: 96 Resp: 145781
Ion Ratio Lower Upper
96 100
61 158.7 131.3 196.9
98 65.5 51.8 77.6





#13

Acrolein

Concen: 214.631 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

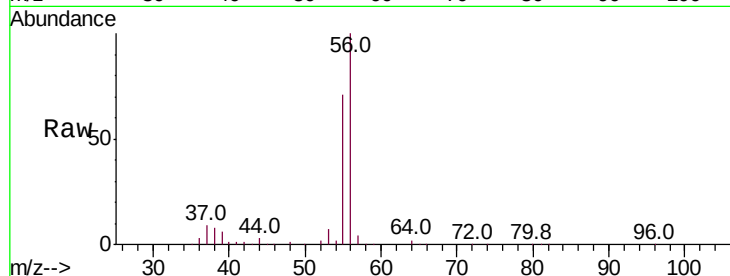
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 109129

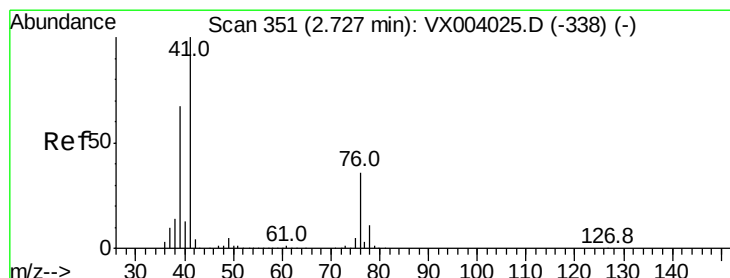
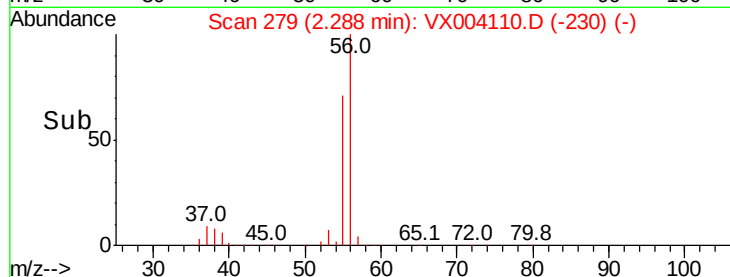
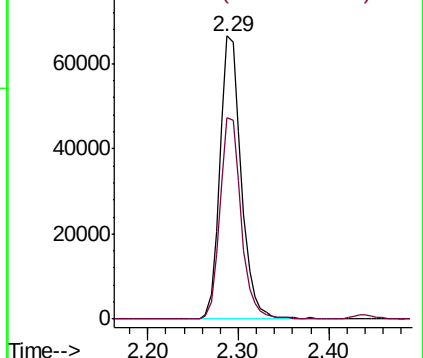
Ion Ratio Lower Upper

56 100

55 71.0 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.595 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

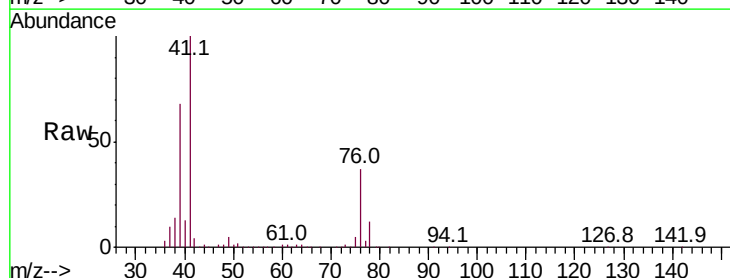
Tgt Ion: 41 Resp: 253548

Ion Ratio Lower Upper

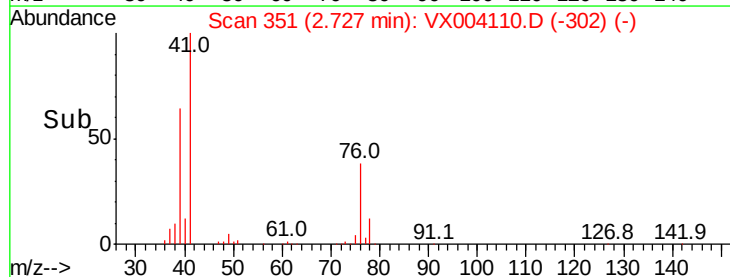
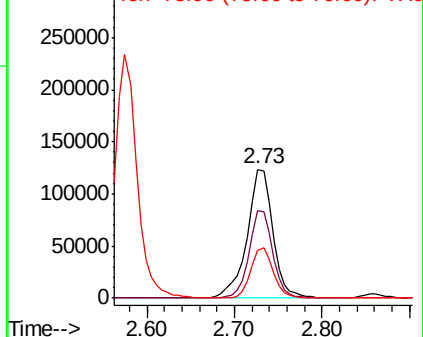
41 100

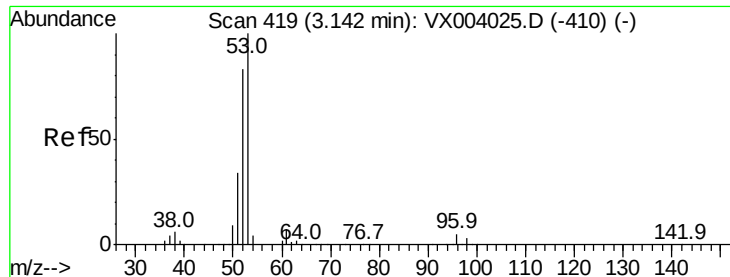
39 61.9 47.4 71.0

76 33.7 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 257.051 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

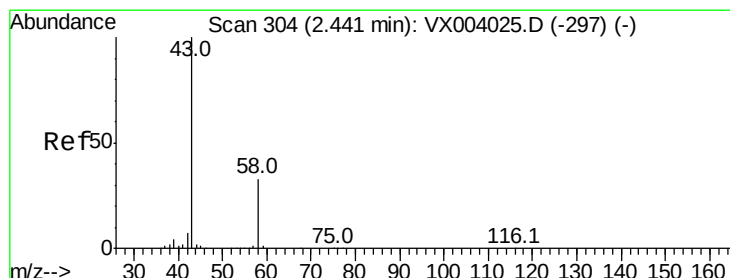
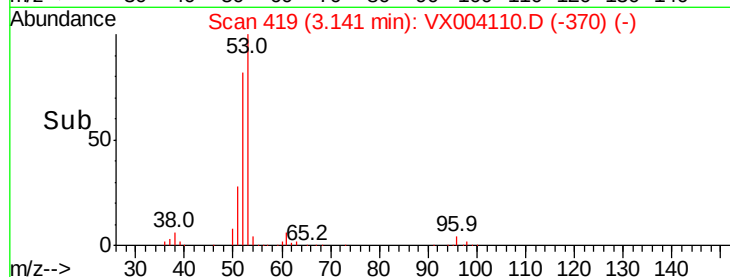
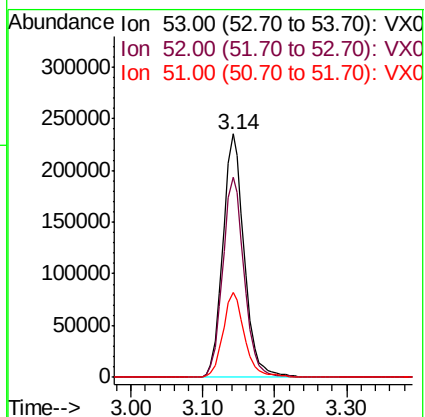
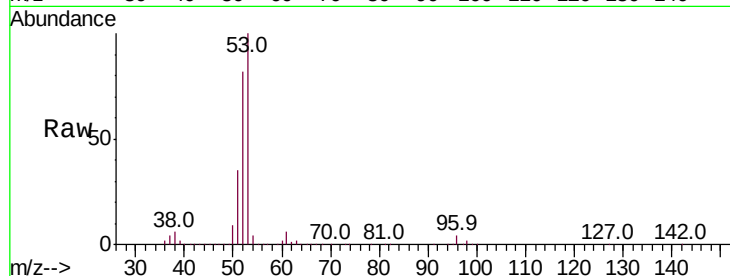
Tot Ion: 53 Resp: 483953

Ion Ratio Lower Upper

53 100

52 82.8 65.3 97.9

51 35.3 27.9 41.9



#16

Acetone

Concen: 252.930 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004110.D

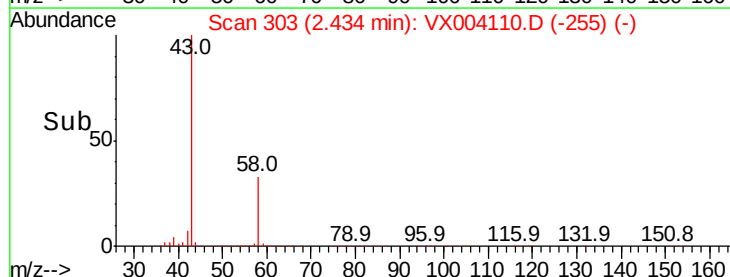
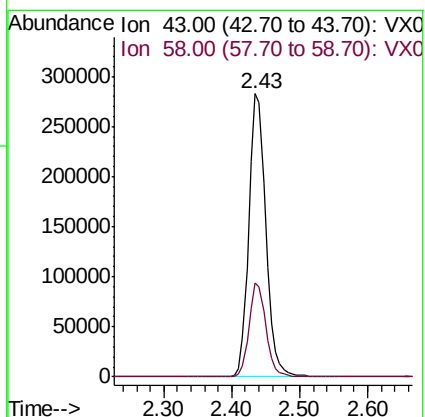
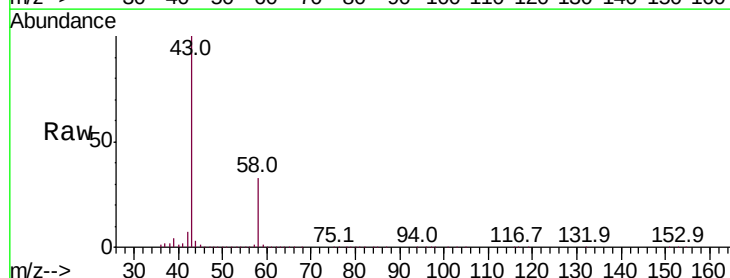
Acq: 16 Aug 2018 08:53

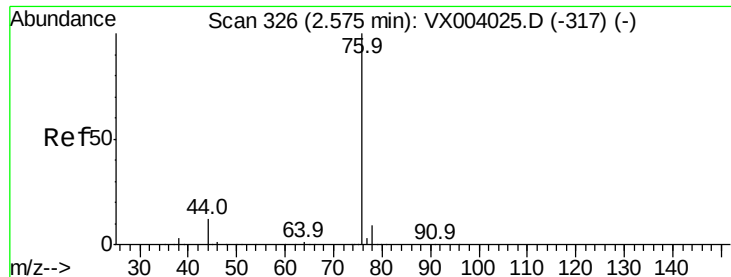
Tgt Ion: 43 Resp: 493110

Ion Ratio Lower Upper

43 100

58 33.0 26.4 39.6





#17

Carbon Disulfide

Concen: 50.803 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

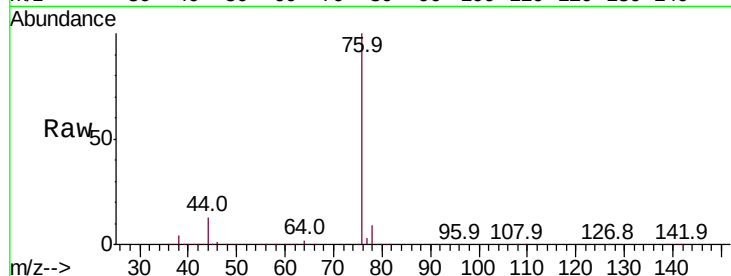
ClientSampleId :

Tot Ion: 76 Resp: 403434

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

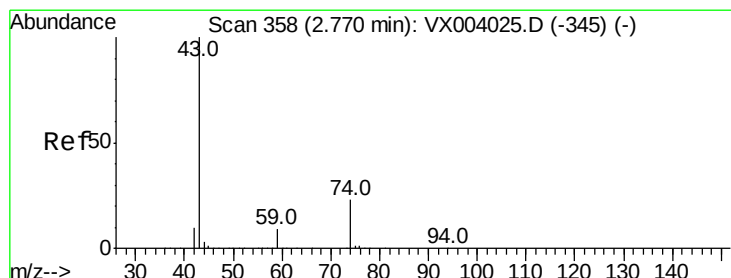
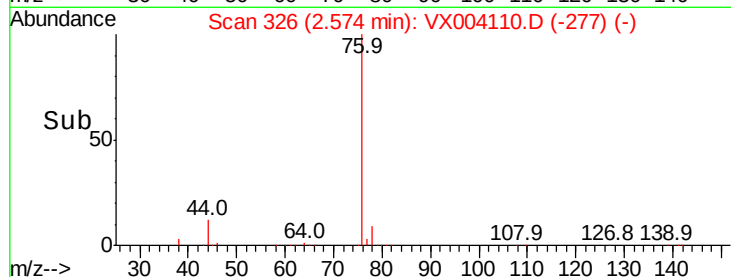
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 52.913 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004110.D

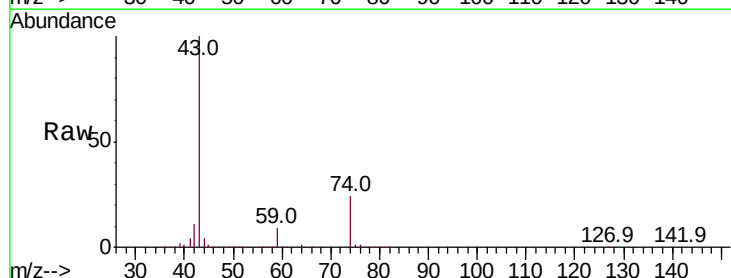
Acq: 16 Aug 2018 08:53

Tgt Ion: 43 Resp: 229240

Ion Ratio Lower Upper

43 100

74 24.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

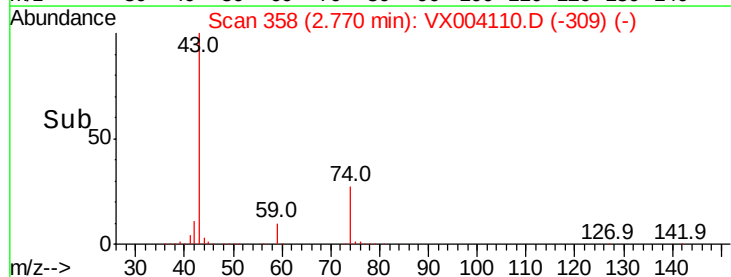
100000

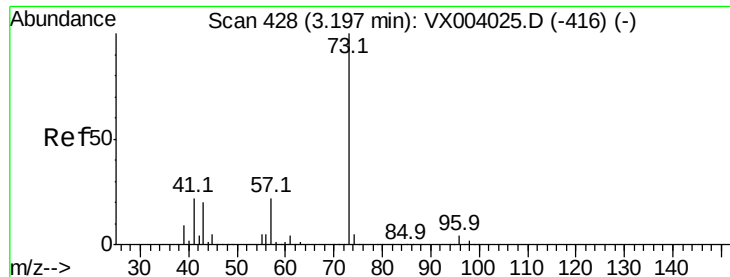
50000

0

2.60 2.70 2.80 2.90

Time-->

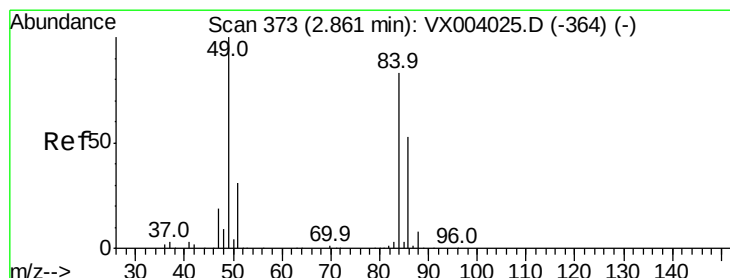
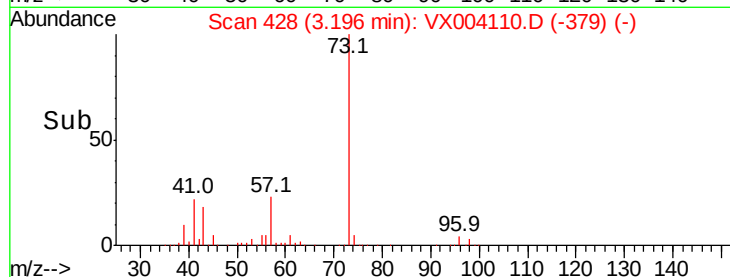
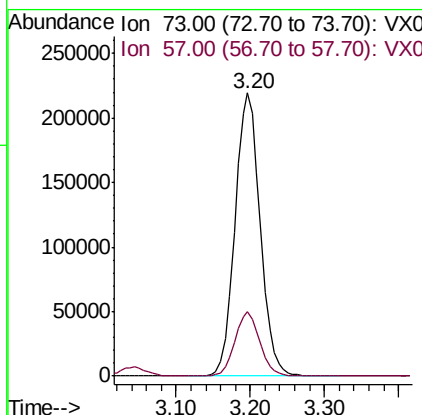
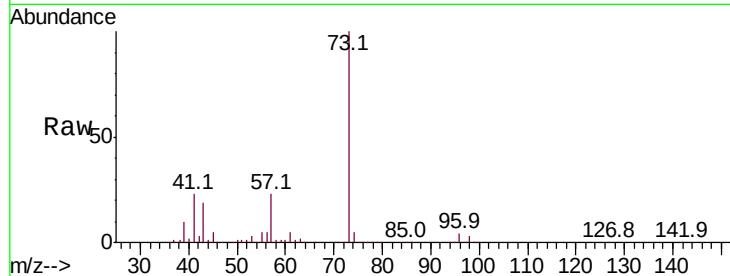




#19
Methvl tert-butvl Ether
Concen: 52.453 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

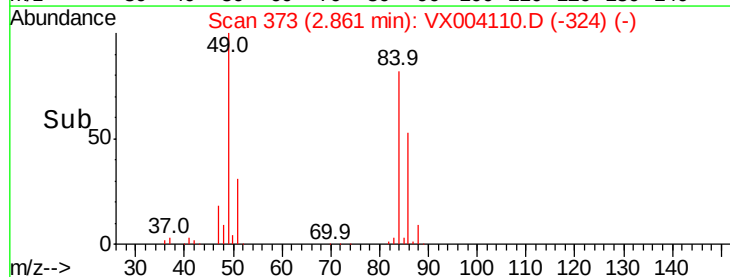
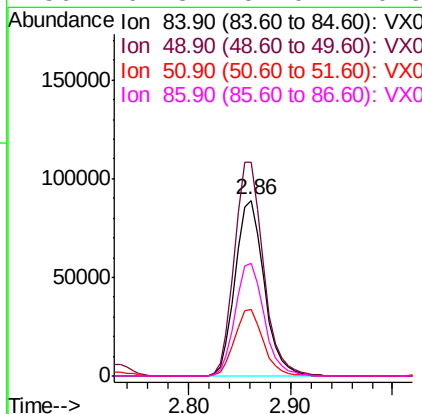
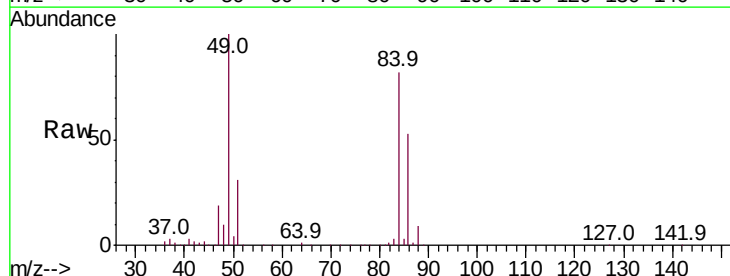
Instrument :
MSVOA_X
ClientSampleId :

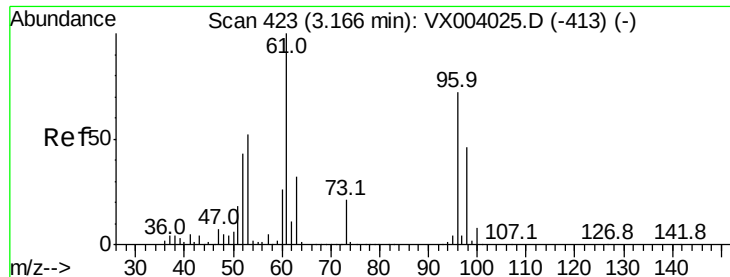
Tot Ion: 73 Resp: 517401
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0



#20
Methylene Chloride
Concen: 55.079 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion: 84 Resp: 175313
Ion Ratio Lower Upper
84 100
49 121.7 98.9 148.3
51 37.7 29.9 44.9
86 64.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.445 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

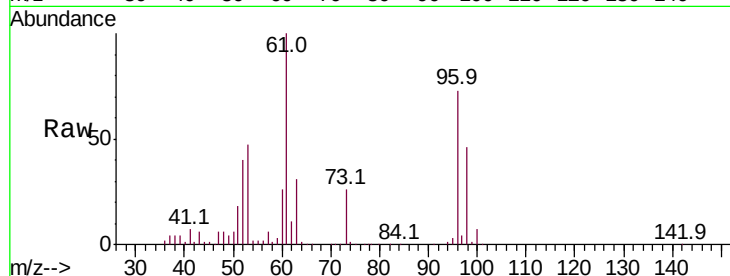
Tot Ion: 96 Resp: 163578

Ion Ratio Lower Upper

96 100

61 136.6 111.8 167.6

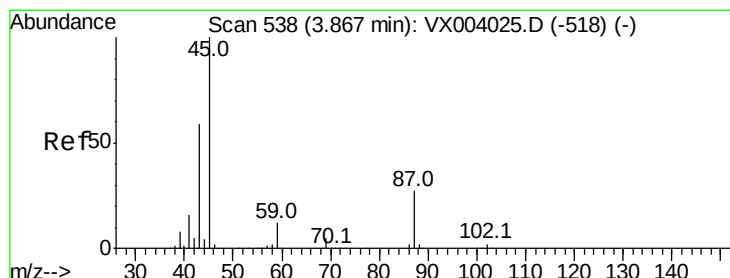
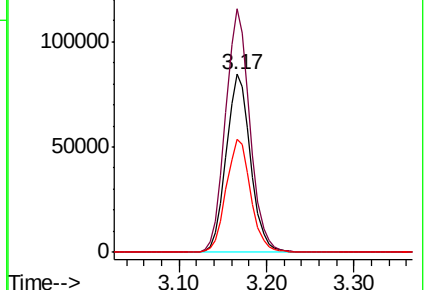
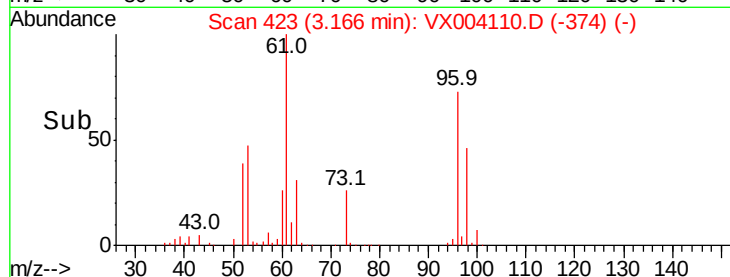
98 63.3 51.8 77.6



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



#22

Diisopropyl ether

Concen: 51.860 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Tgt Ion: 45 Resp: 541355

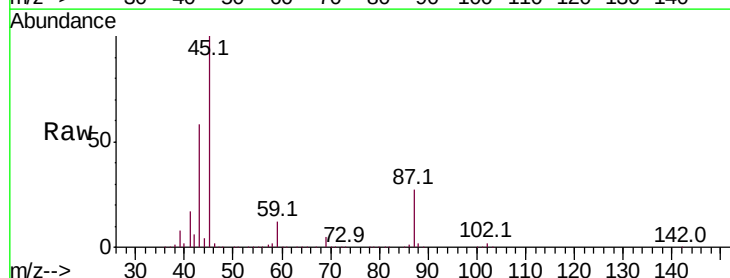
Ion Ratio Lower Upper

45 100

43 57.8 45.3 67.9

87 27.1 22.7 34.1

59 11.9 9.6 14.4

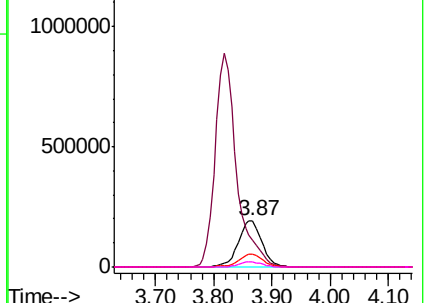
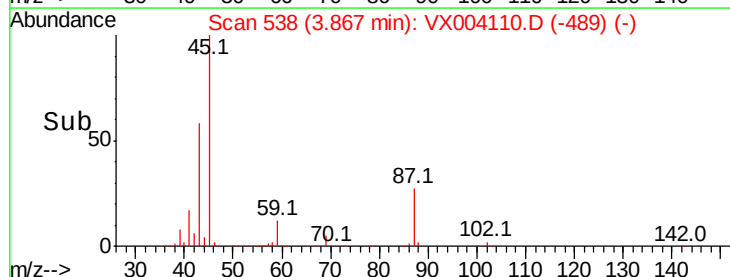


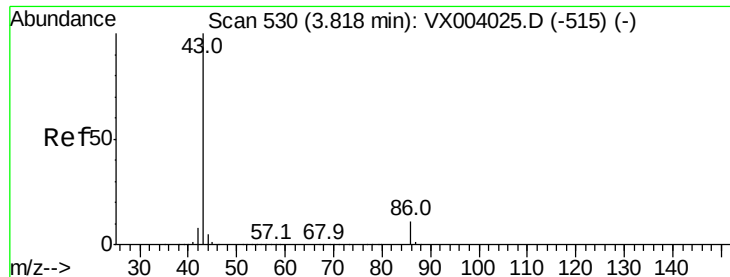
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 264.889 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

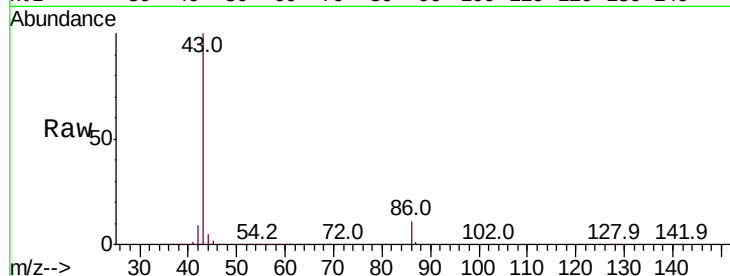
ClientSampleId :

Tot Ion: 43 Resp: 2271131

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

800000

600000

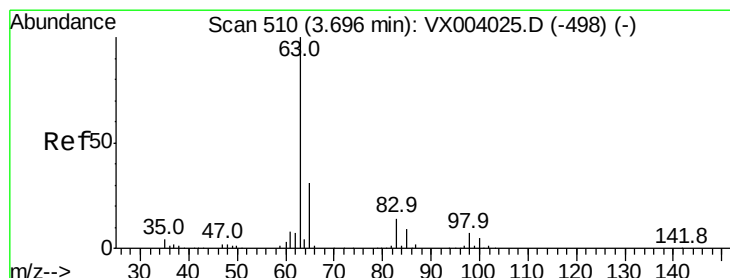
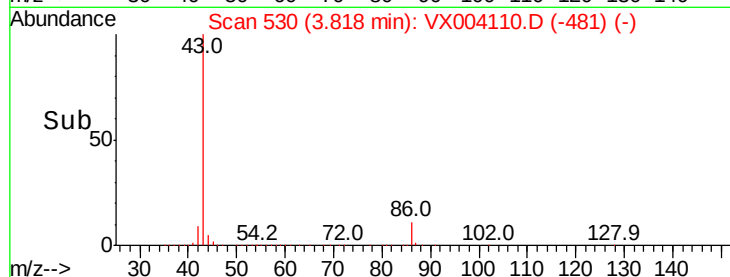
400000

200000

0

Time-->

3.70 3.80 3.90 4.00 4.10



#24

1,1-Dichloroethane

Concen: 52.668 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

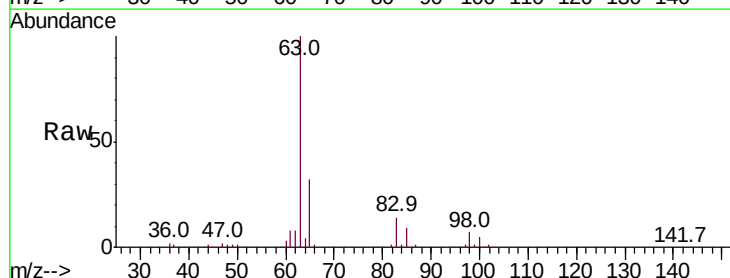
Tgt Ion: 63 Resp: 311409

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.5 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

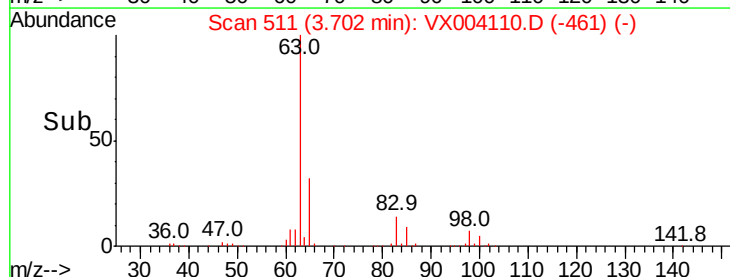
100000

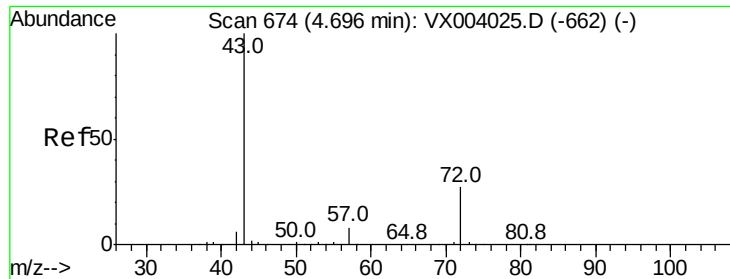
50000

0

Time-->

3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 252.624 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

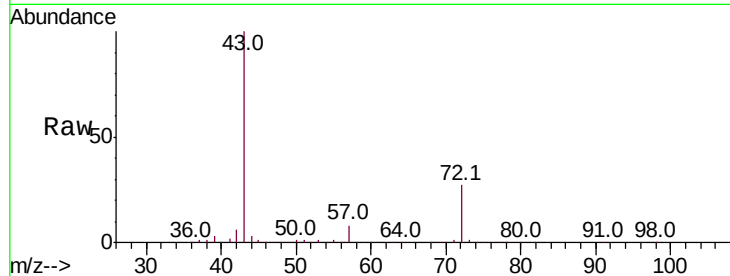
ClientSampleId :

Tot Ion: 43 Resp: 801353

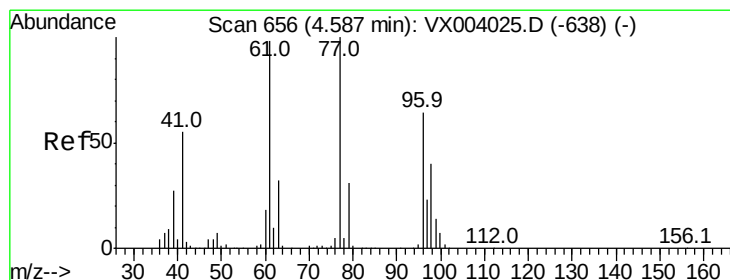
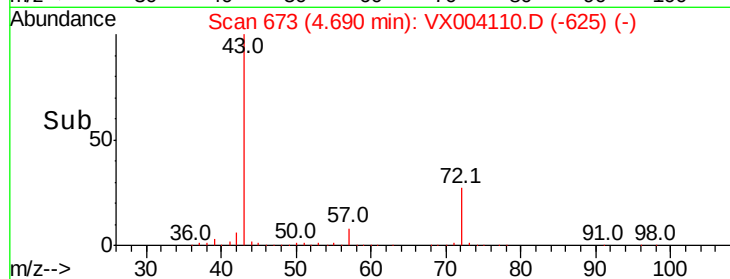
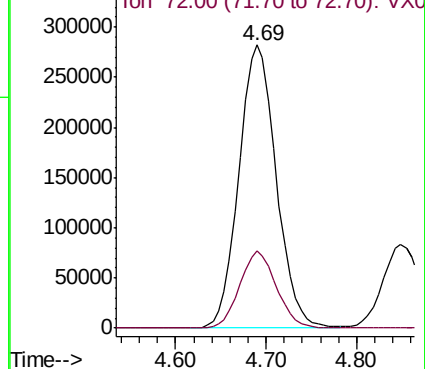
Ion Ratio Lower Upper

43 100

72 27.2 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0



#26

2,2-Dichloropropane

Concen: 22.206 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004110.D

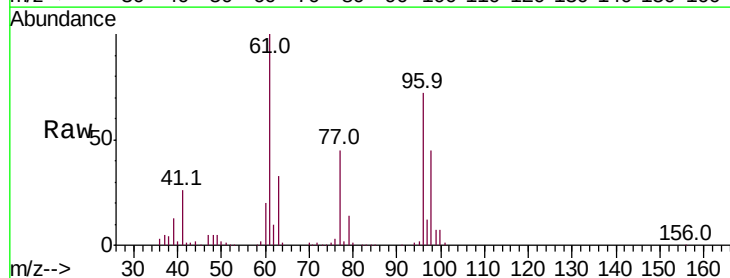
Acq: 16 Aug 2018 08:53

Tgt Ion: 77 Resp: 104384

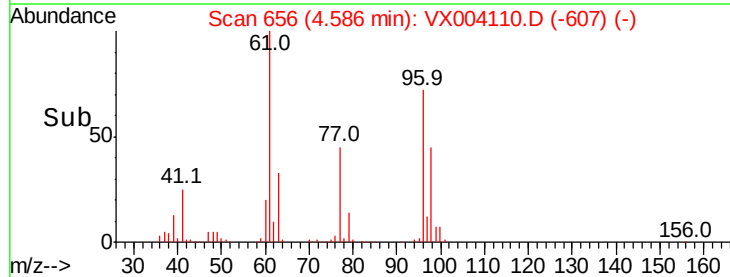
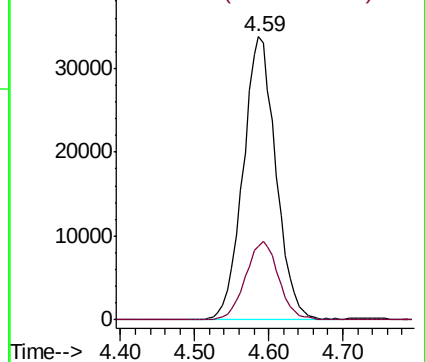
Ion Ratio Lower Upper

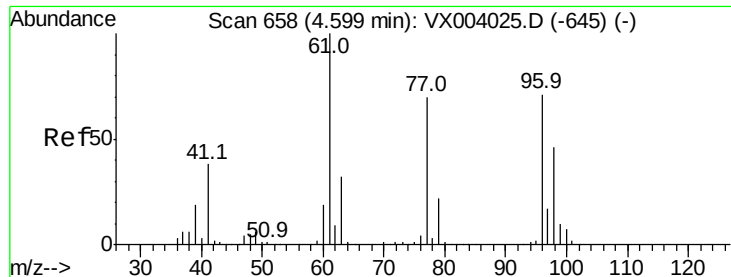
77 100

97 27.9 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0



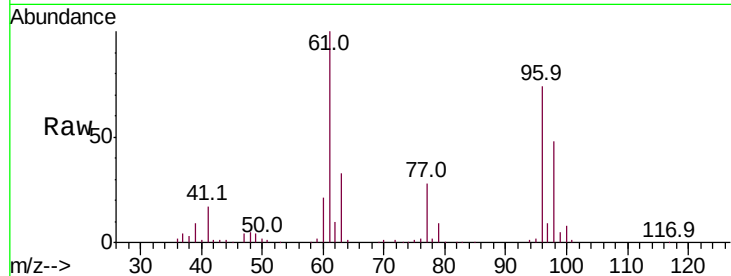


#27

cis-1,2-Dichloroethene
Concen: 56.254 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	293.0
98	64.3	0.0	131.8

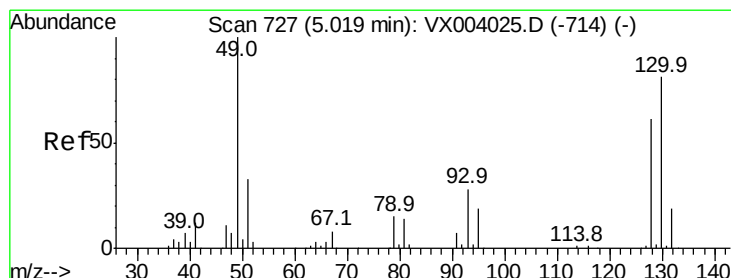
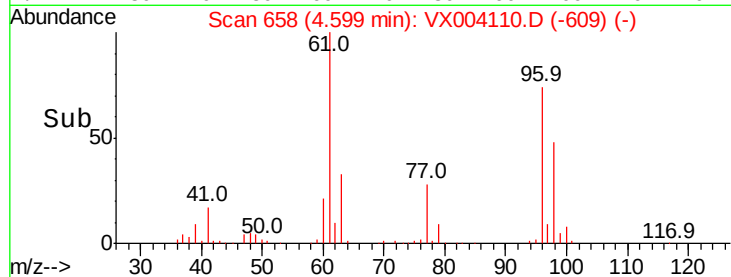
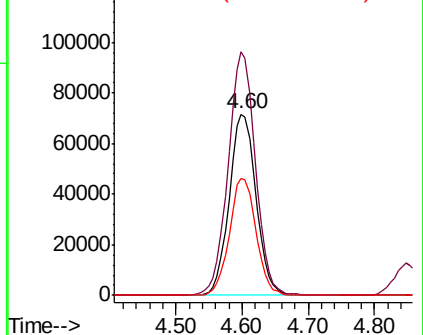


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

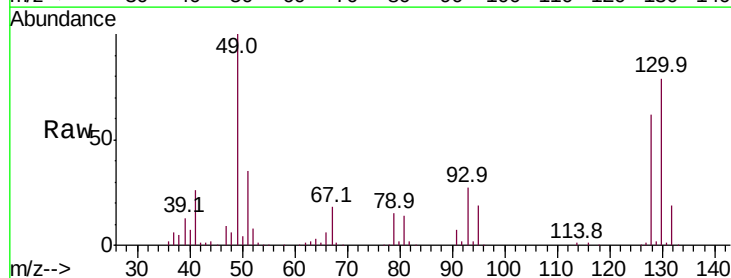
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 57.368 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	79.6	66.5	99.7

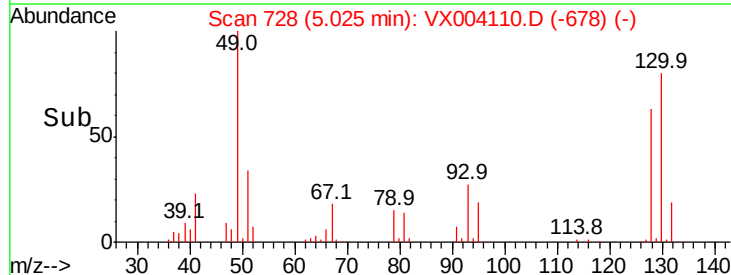
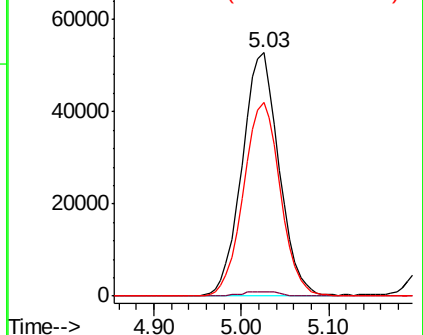


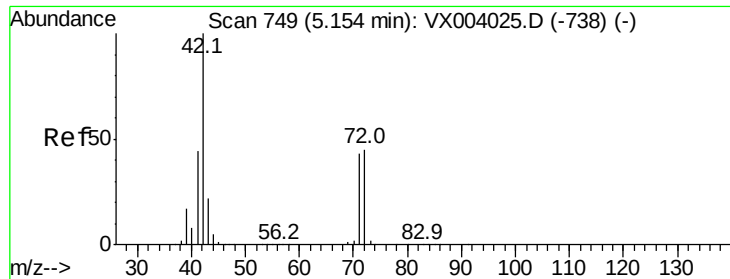
Abundance

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: 250.867 ug/l

RT: 5.15 min Scan# 748

Delta R.T. -0.01 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampled :

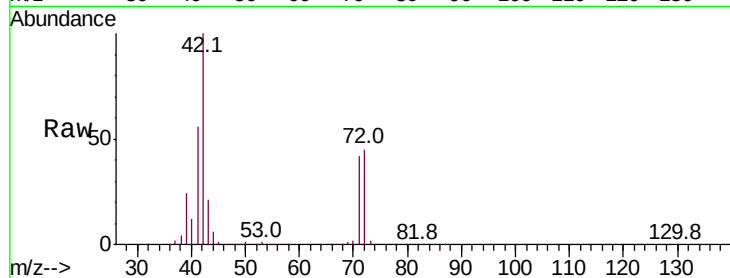
Tot Ion: 42 Resp: 406574

Ion Ratio Lower Upper

42 100

72 45.6 37.7 56.5

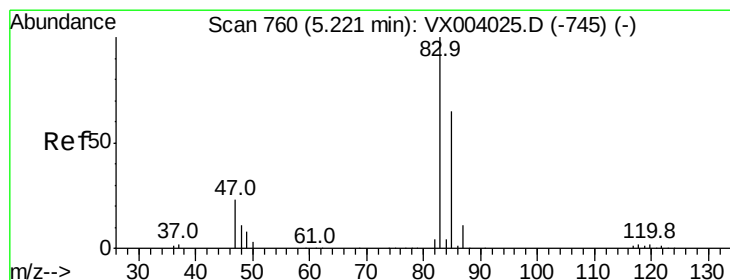
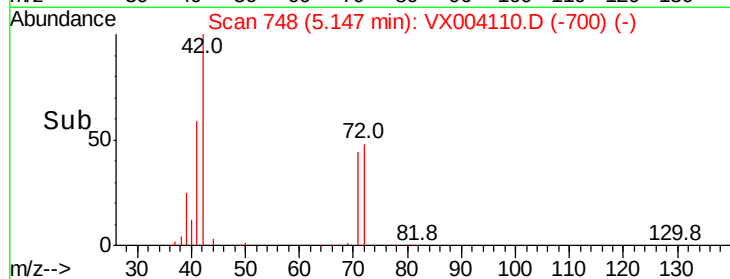
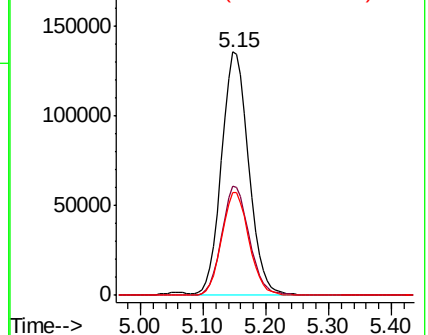
71 42.7 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 53.000 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX004110.D

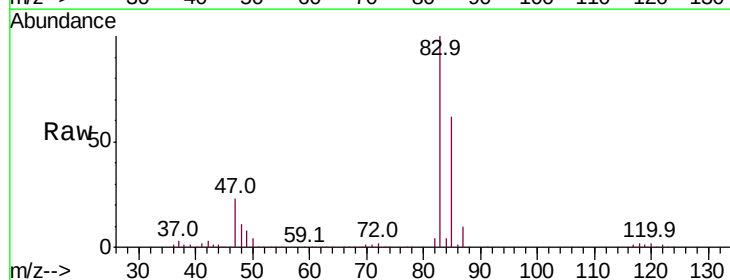
Acq: 16 Aug 2018 08:53

Tgt Ion: 83 Resp: 305842

Ion Ratio Lower Upper

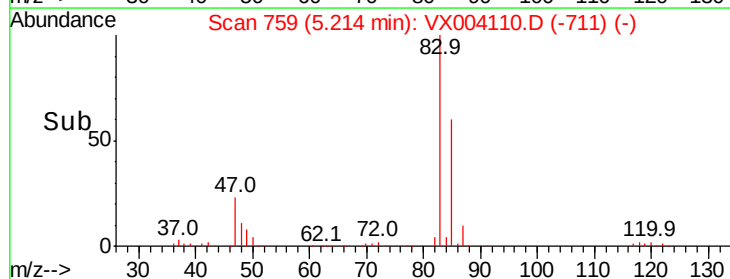
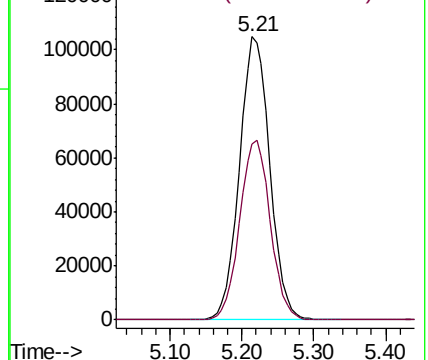
83 100

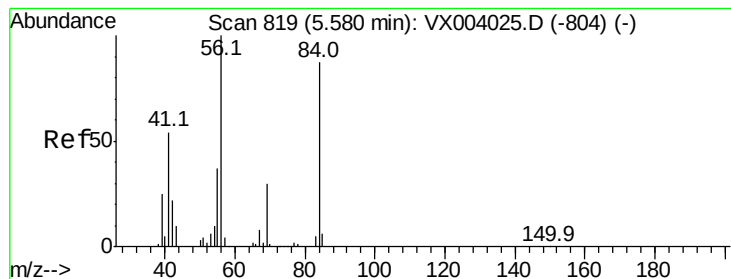
85 62.2 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 49.796 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampled :

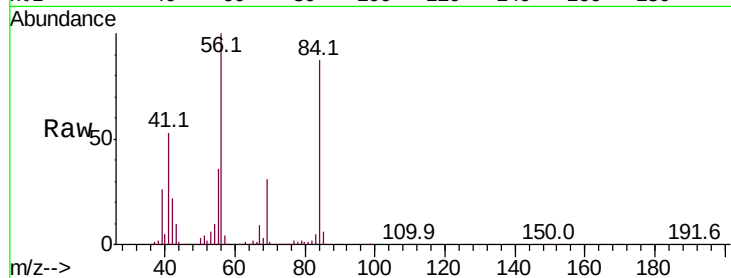
Tot Ion: 56 Resp: 258112

Ion Ratio Lower Upper

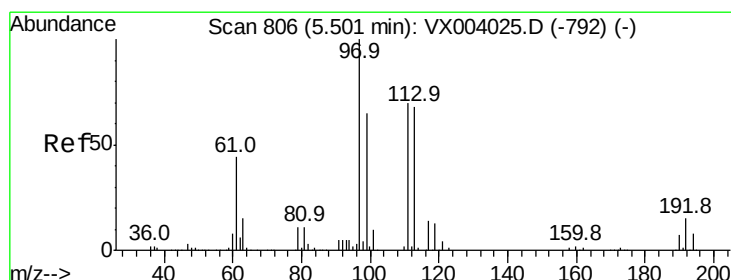
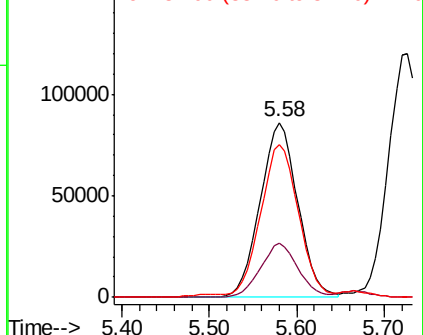
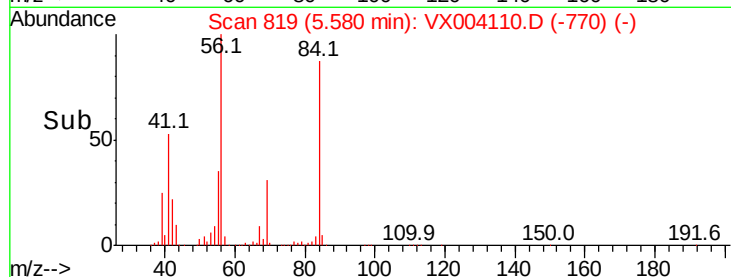
56 100

69 30.7 24.9 37.3

84 86.7 71.7 107.5



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 53.215 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

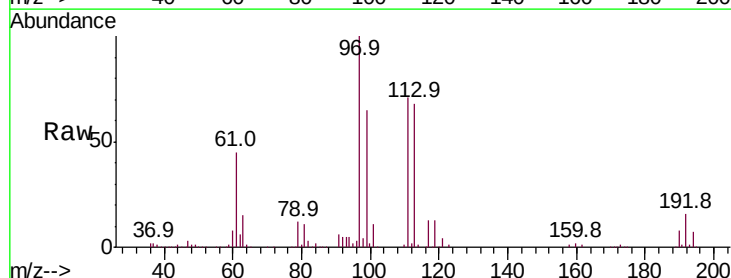
Tgt Ion: 97 Resp: 256609

Ion Ratio Lower Upper

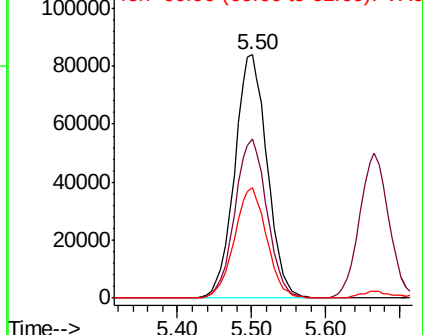
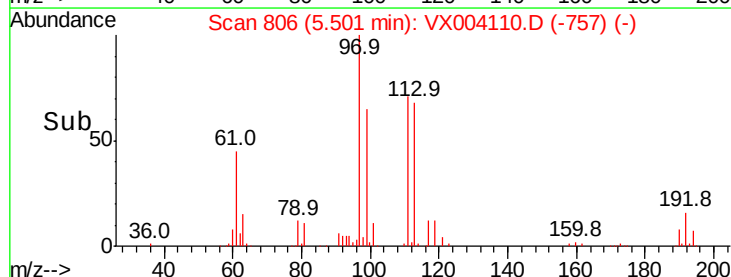
97 100

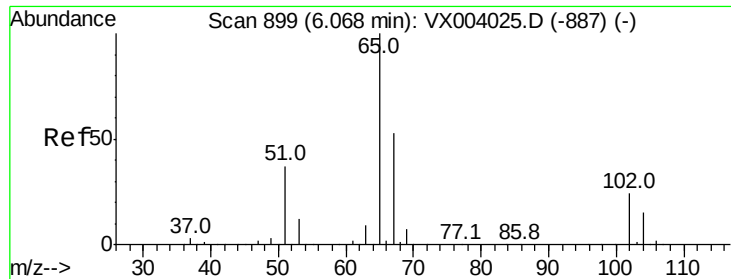
99 64.9 51.8 77.8

61 45.1 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

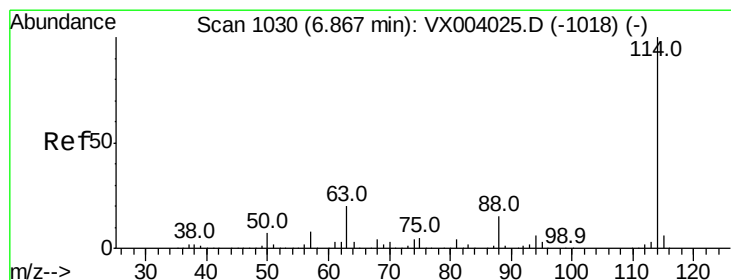
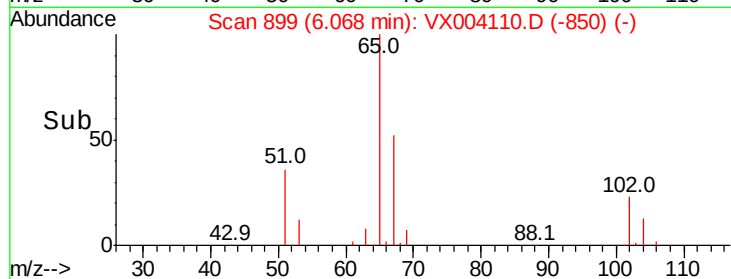
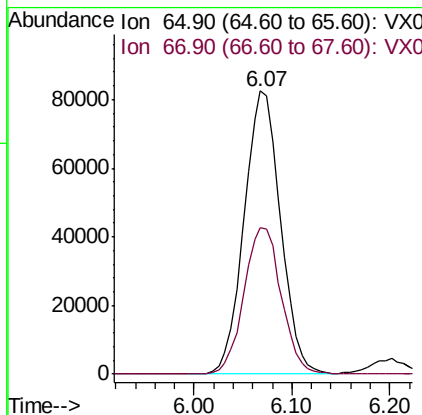
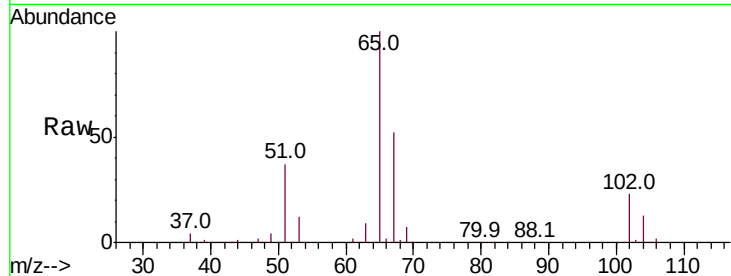




#33
 1,2-Dichloroethane-d4
 Concen: 56.784 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

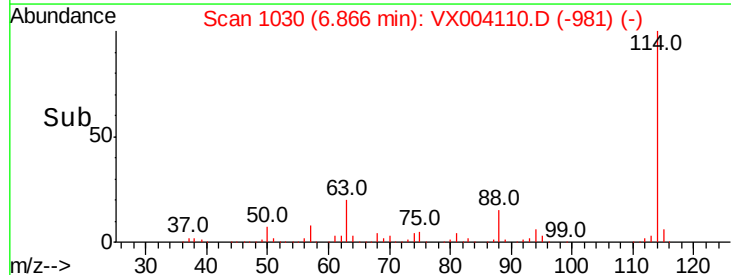
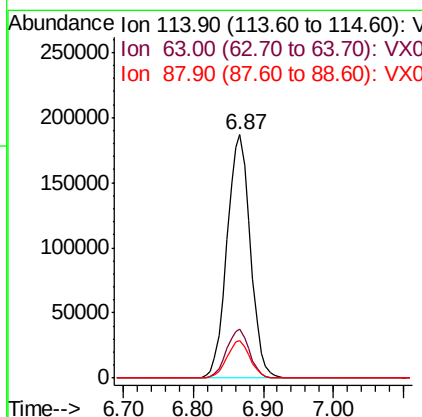
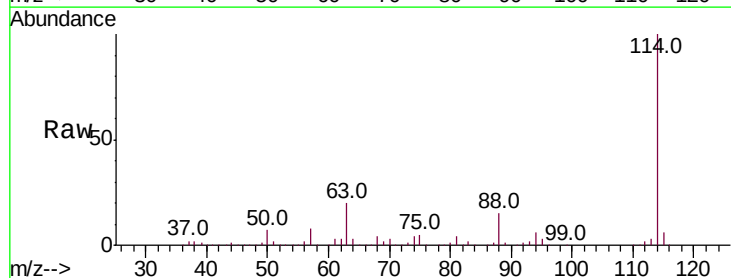
Instrument :
 MSVOA_X
 ClientSampleId :

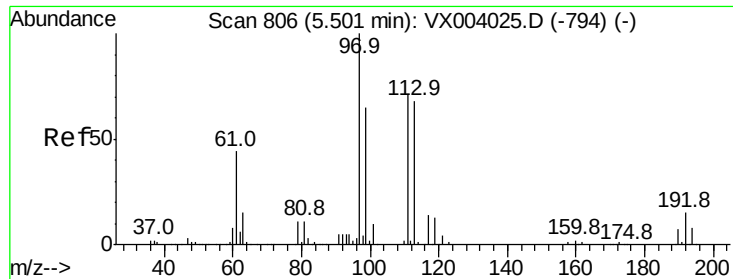
Tot Ion: 65 Resp: 212926
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion: 114 Resp: 431841
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.4 0.0 32.0

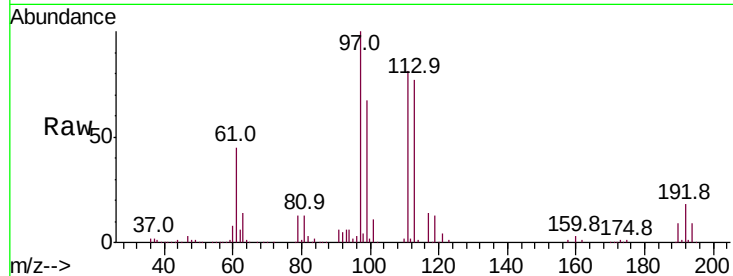




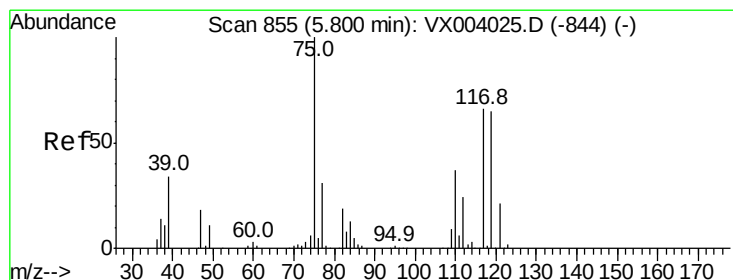
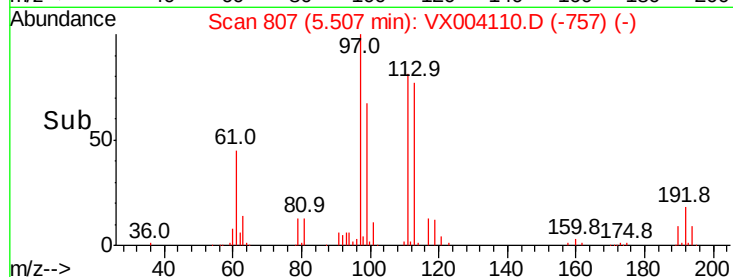
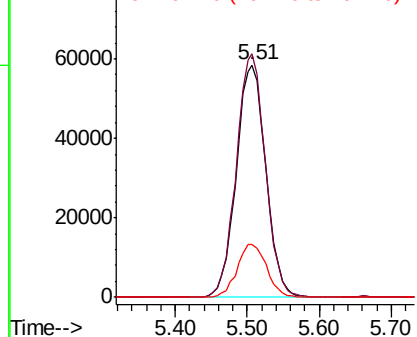
#35
 Dibromofluoromethane
 Concen: 51.513 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:113 Resp: 166488
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.0 123.0
 192 22.8 19.0 28.4

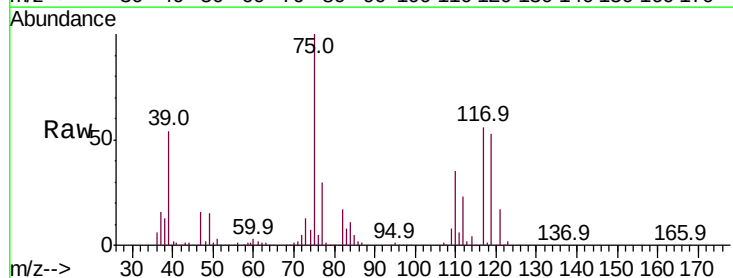


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

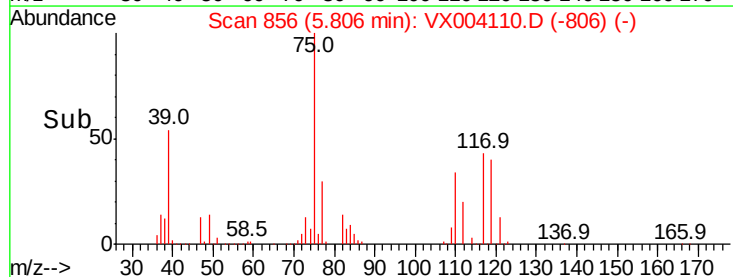
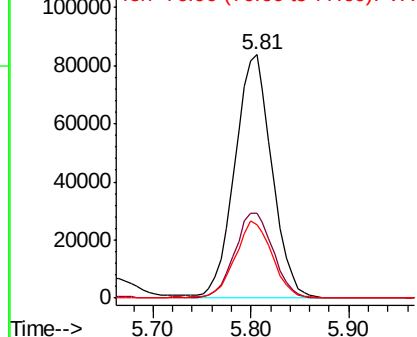


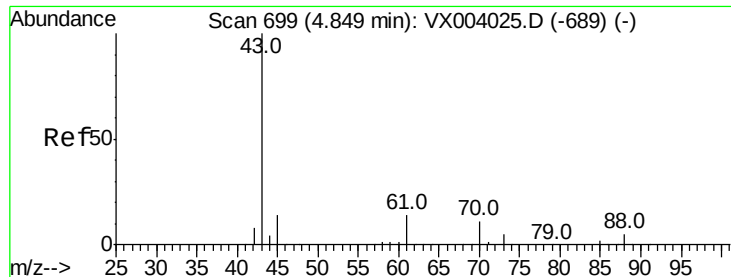
#36
 1,1-Dichloropropene
 Concen: 44.633 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion: 75 Resp: 219324
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.2 54.6
 77 31.3 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

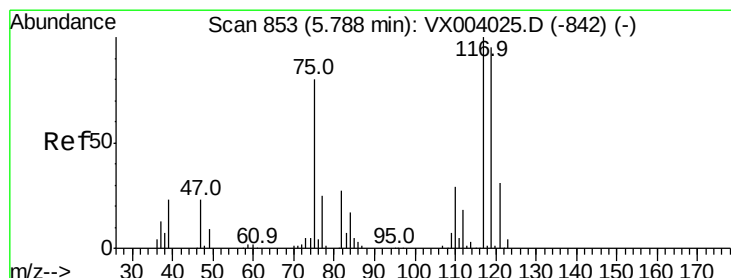
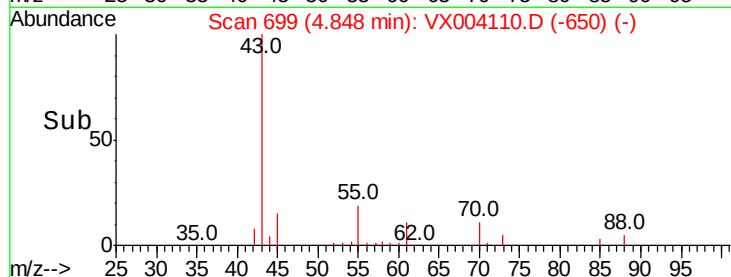
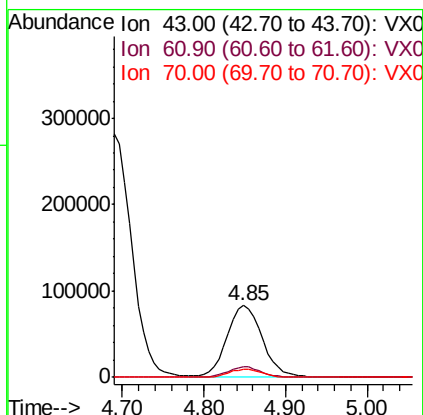
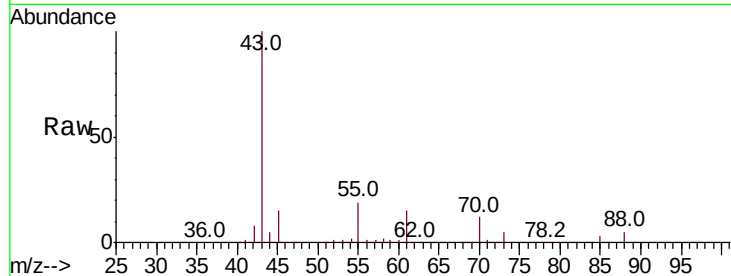




#37
Ethyl Acetate
Concen: 46.270 ug/l
RT: 4.85 min Scan# 699
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

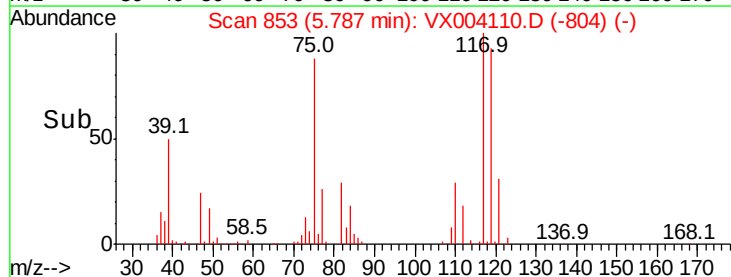
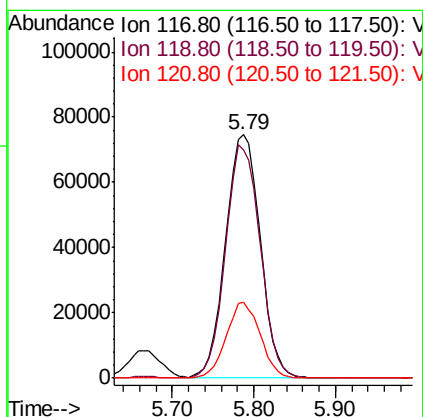
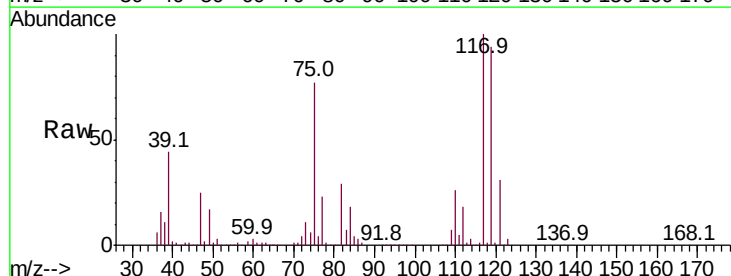
Instrument :
MSVOA_X
ClientSampled :

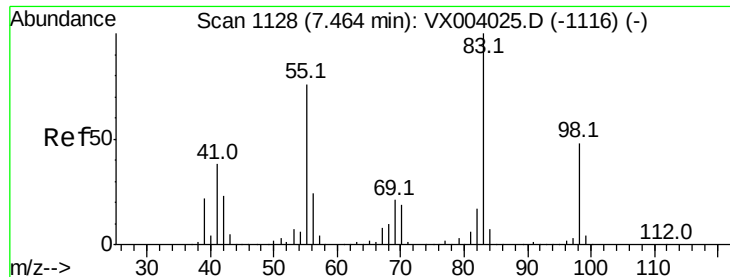
Tot Ion: 43 Resp: 247606
Ion Ratio Lower Upper
43 100
61 14.1 11.5 17.3
70 10.9 9.0 13.4



#38
Carbon Tetrachloride
Concen: 45.950 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion: 117 Resp: 219381
Ion Ratio Lower Upper
117 100
119 93.9 79.5 119.3
121 31.3 25.0 37.4

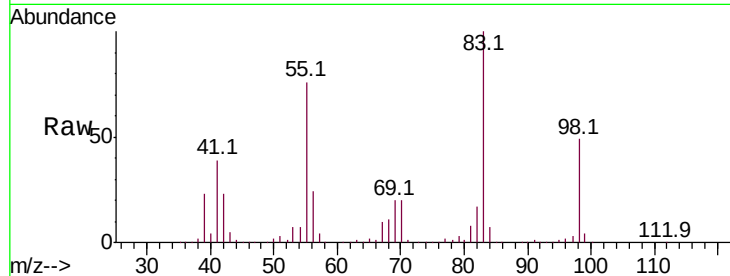




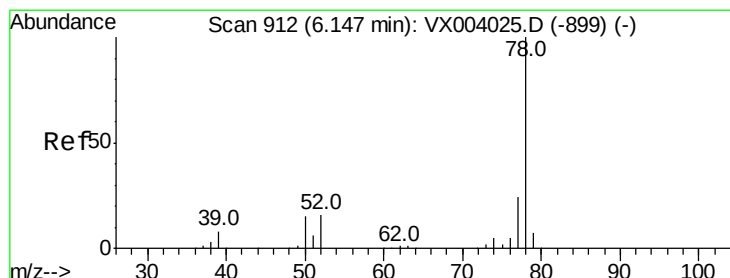
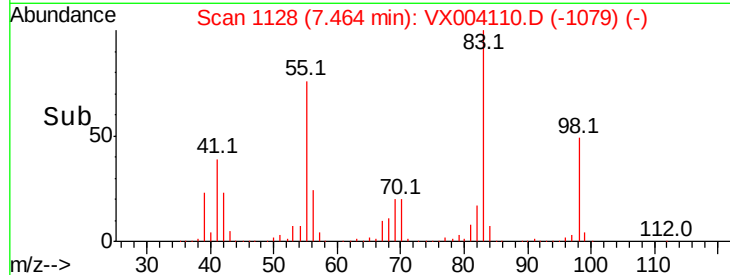
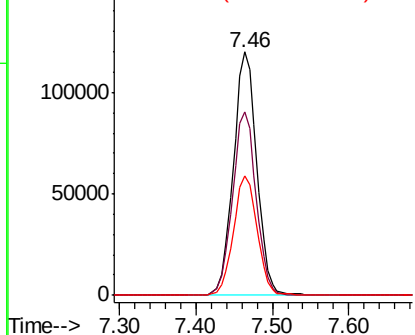
#39
Methylvlcyclohexane
Concen: 45.564 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 254011
Ion Ratio Lower Upper
83 100
55 75.5 61.0 91.6
98 49.1 38.6 57.8

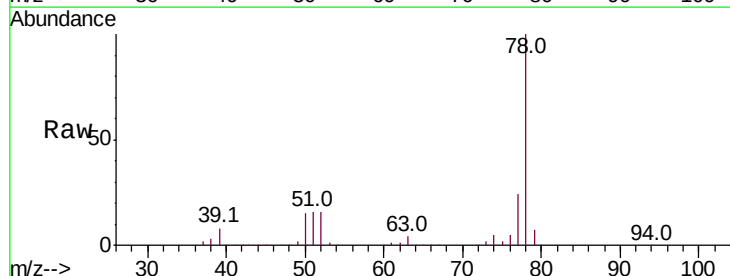


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

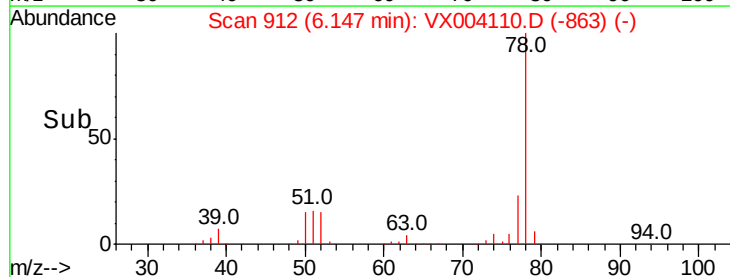
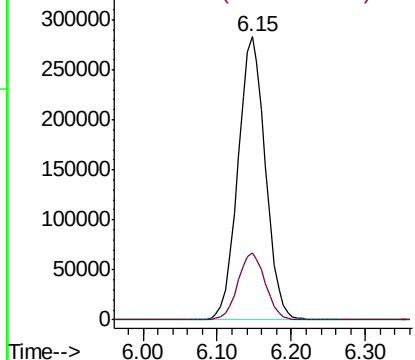


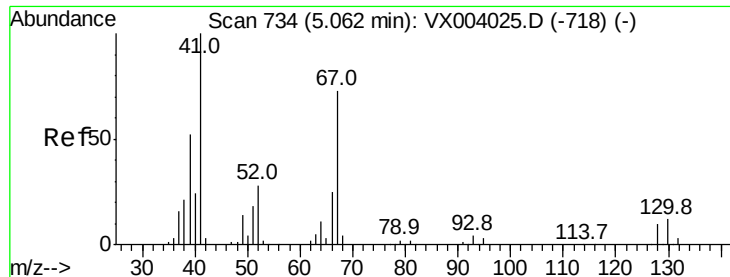
#40
Benzene
Concen: 49.480 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion: 78 Resp: 730110
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 45.691 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 136935

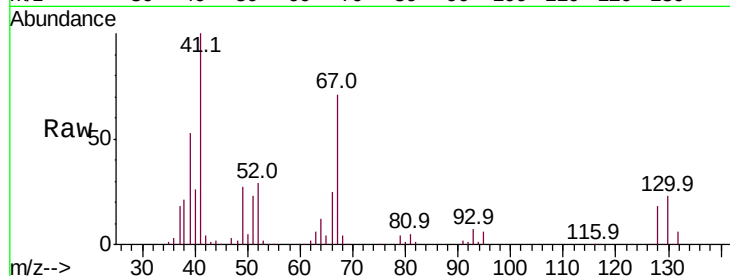
Ion Ratio Lower Upper

41 100

39 53.6 42.7 64.1

67 73.5 58.9 88.3

52 30.2 22.6 33.8

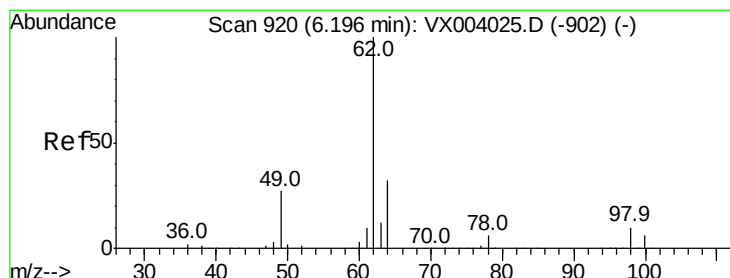
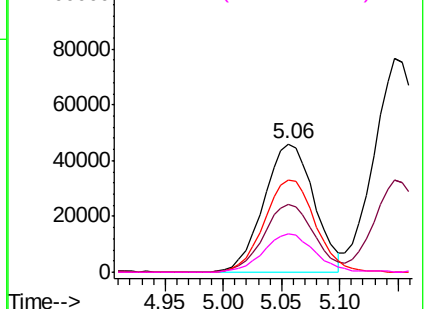
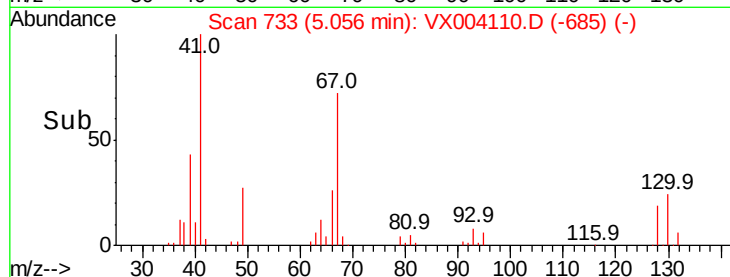


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 49.141 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004110.D

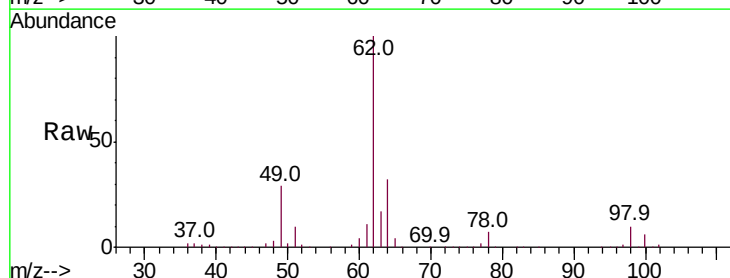
Acq: 16 Aug 2018 08:53

Tgt Ion: 62 Resp: 253818

Ion Ratio Lower Upper

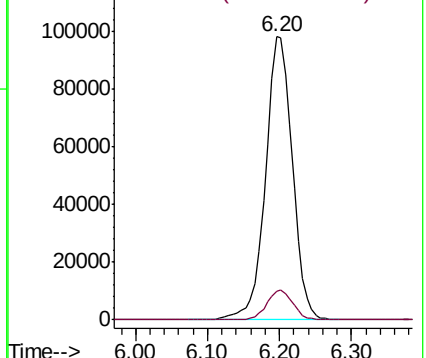
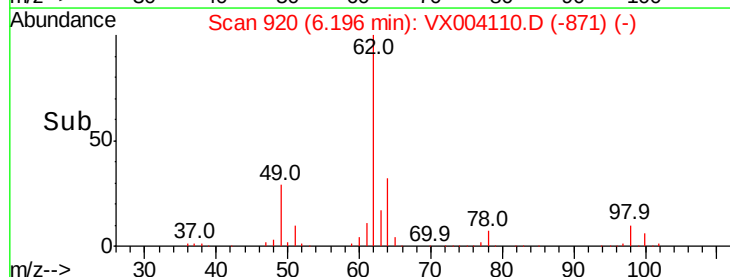
62 100

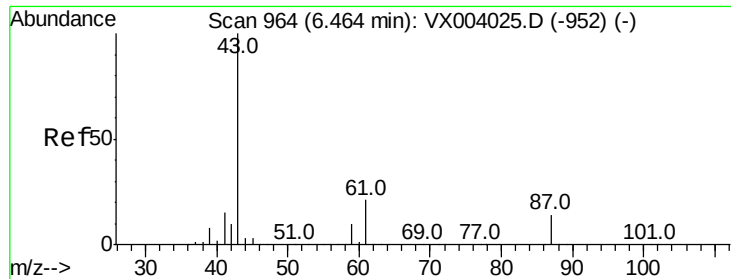
98 10.1 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 48.837 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

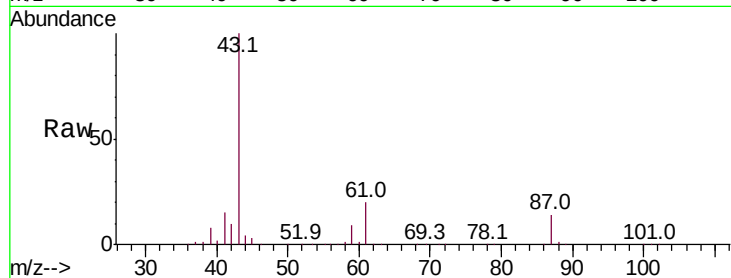
Tot Ion: 43 Resp: 385211

Ion Ratio Lower Upper

43 100

61 21.0 16.9 25.3

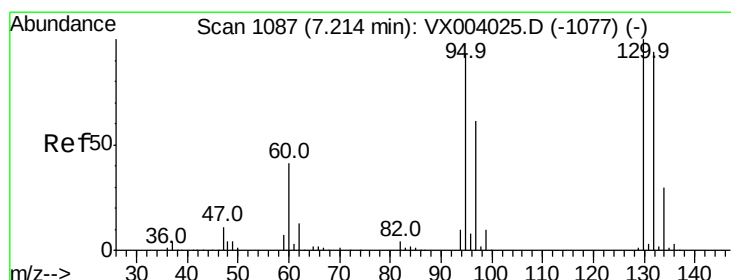
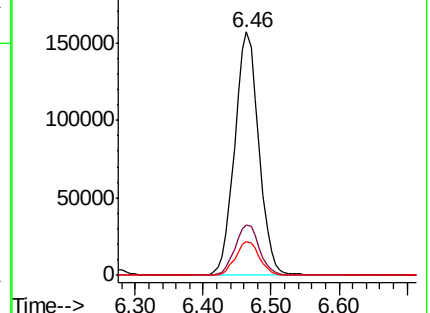
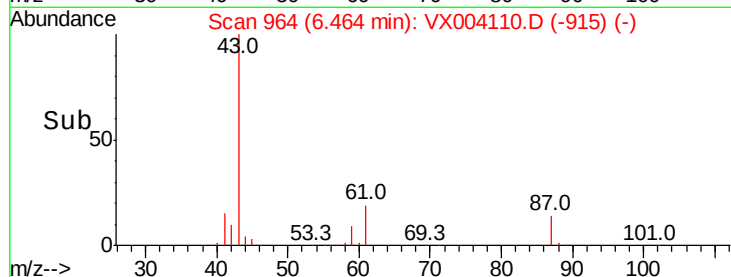
87 13.9 11.3 16.9



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: 47.818 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004110.D

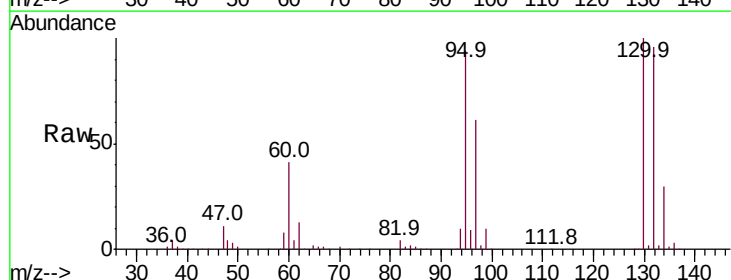
Acq: 16 Aug 2018 08:53

Tgt Ion:130 Resp: 191552

Ion Ratio Lower Upper

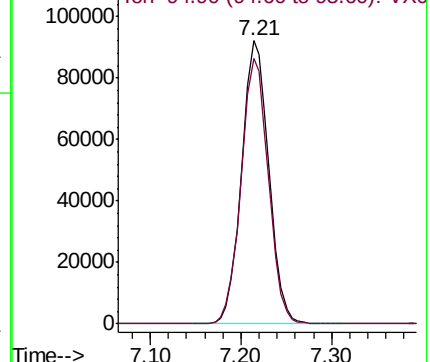
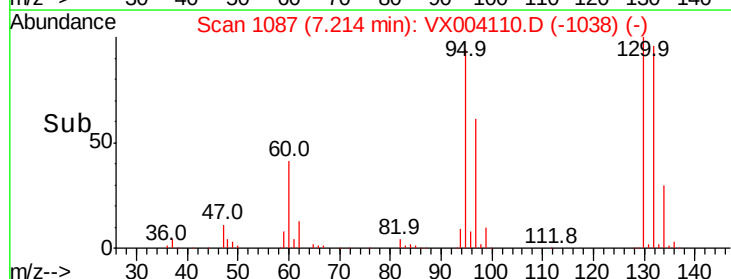
130 100

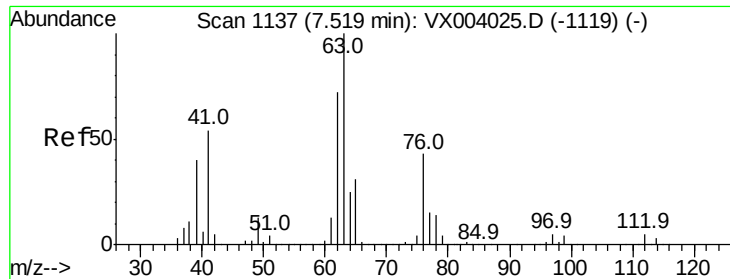
95 93.7 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

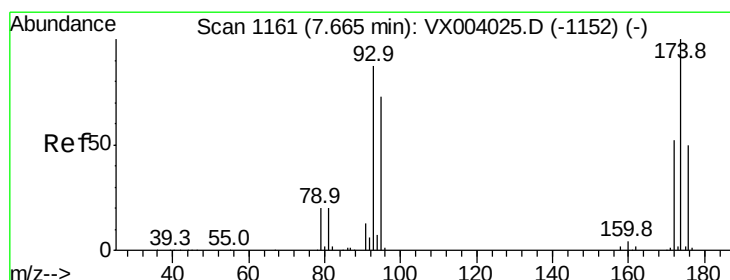
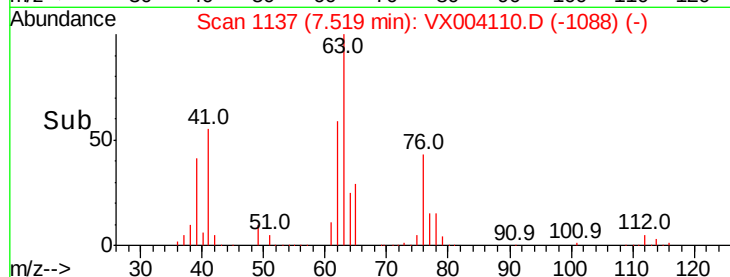
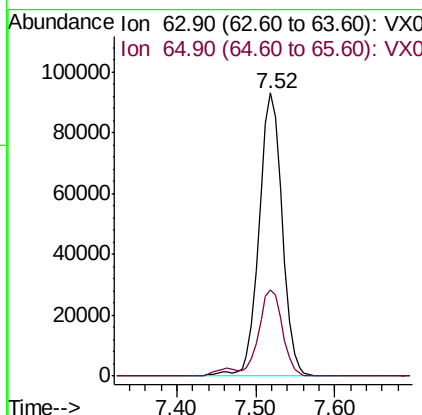
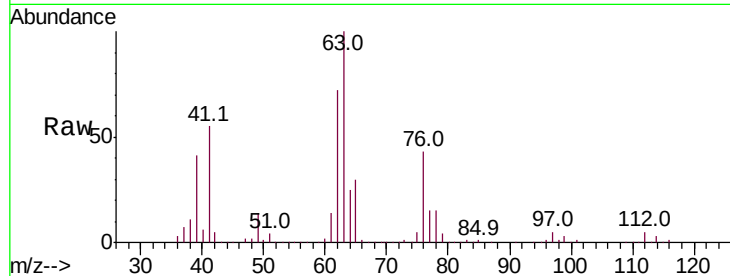




#45
 1,2-Dichloropropane
 Concen: 50.259 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

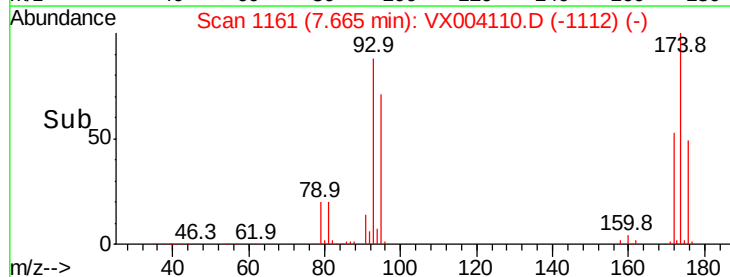
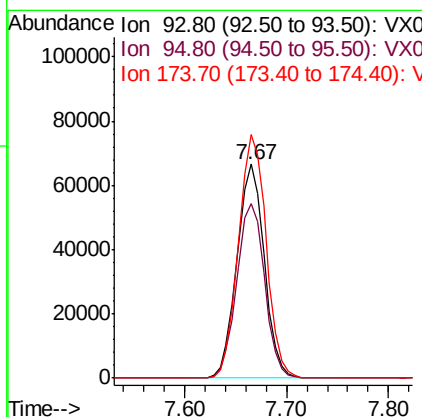
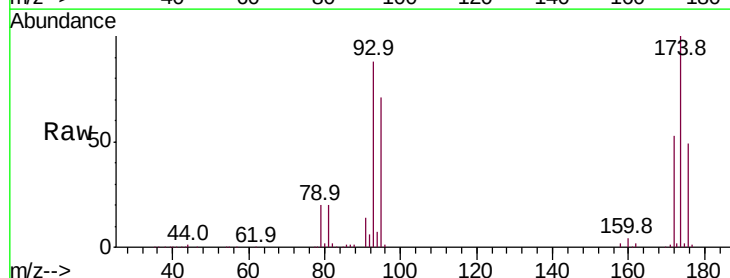
Instrument :
 MSVOA_X
 ClientSampleId :

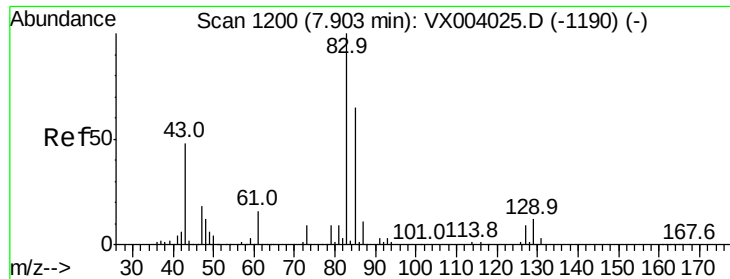
Tot Ion: 63 Resp: 189849
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 36.8



#46
 Dibromomethane
 Concen: 49.854 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion: 93 Resp: 123068
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.4 99.6
 174 115.9 94.3 141.5

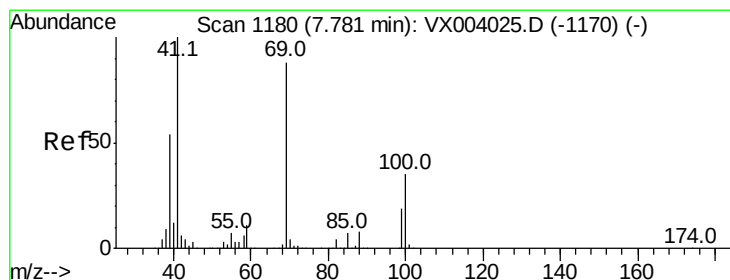
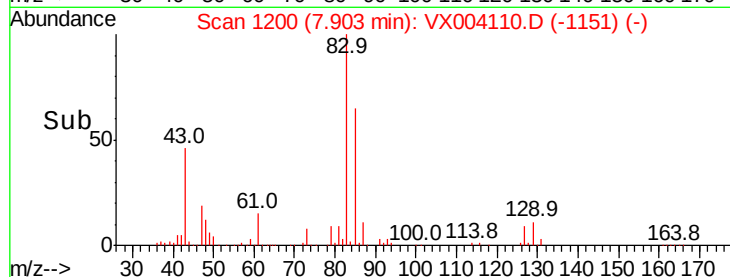
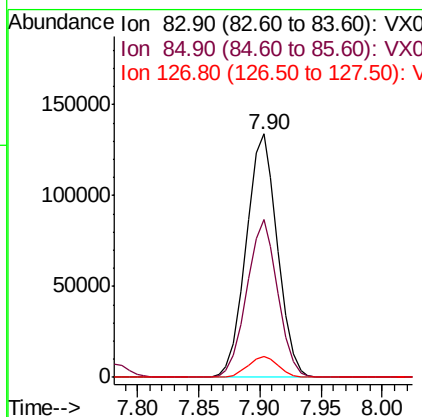
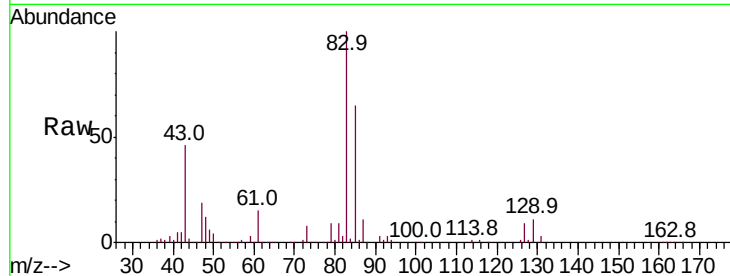




#47
 Bromodichloromethane
 Concen: 50.900 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

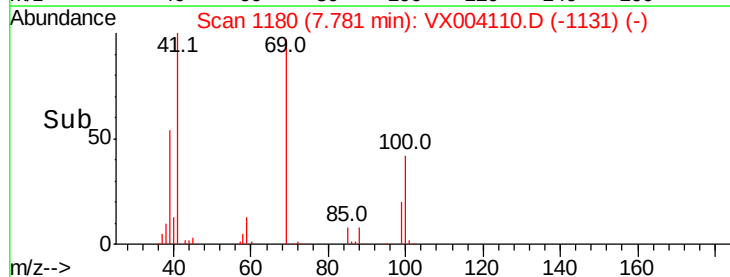
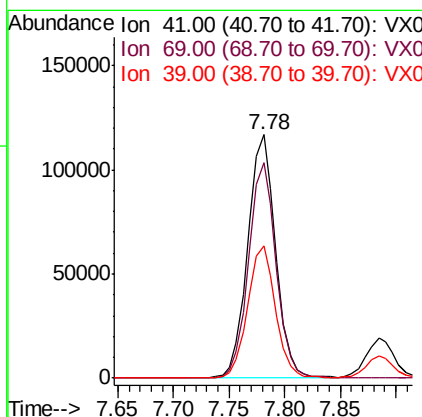
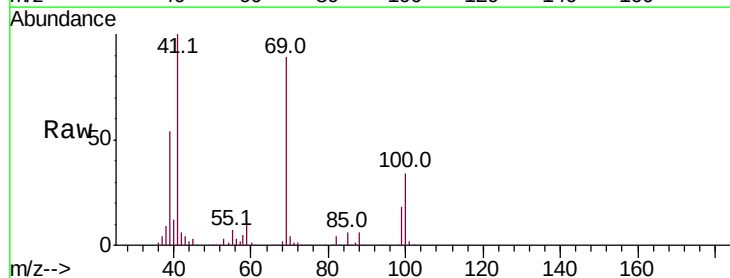
Instrument :
 MSVOA_X
 ClientSampleId :

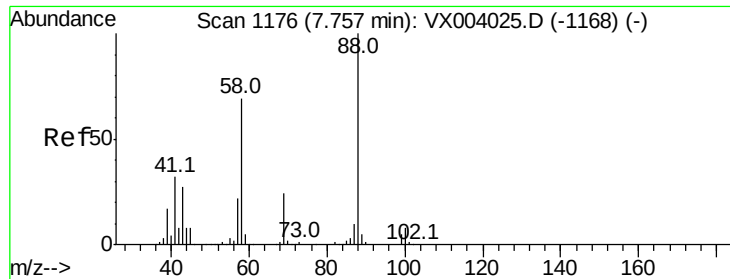
Tot Ion	83	Resp	237973
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8
127	8.7	7.2	10.8



#48
 Methyl methacrylate
 Concen: 51.144 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion	41	Resp	203076
Ion	Ratio	Lower	Upper
41	100		
69	87.9	68.8	103.2
39	54.8	42.3	63.5



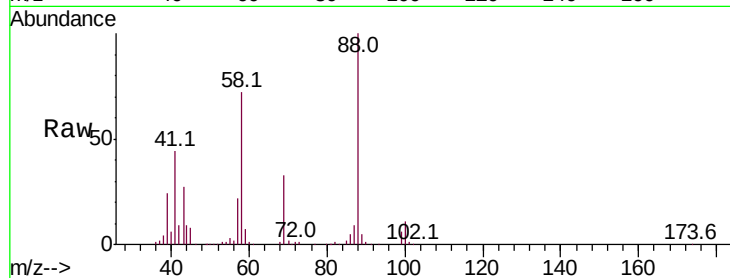


#49
 1,4-Dioxane
 Concen: 812.978 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

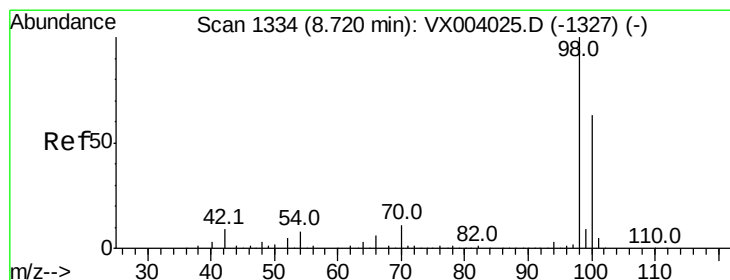
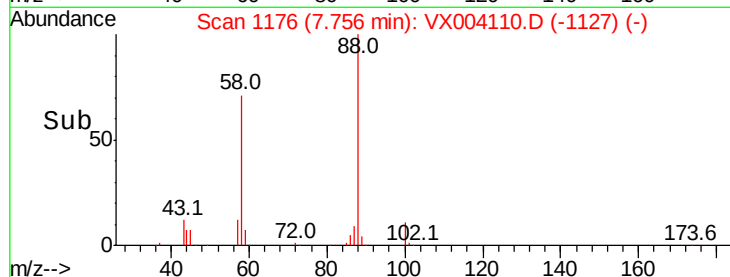
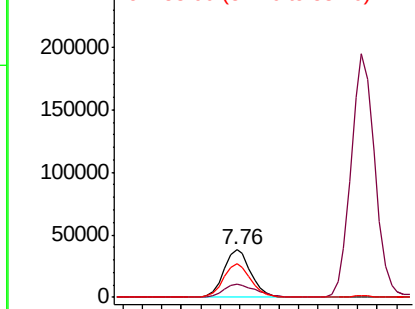
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 88 Resp: 72677

Ion	Ratio	Lower	Upper
88	100		
43	32.9	23.8	35.8
58	72.2	55.4	83.0



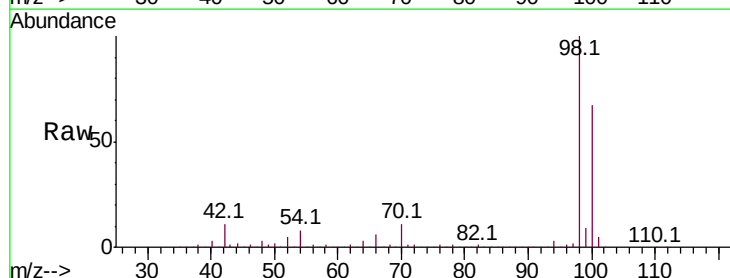
Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0



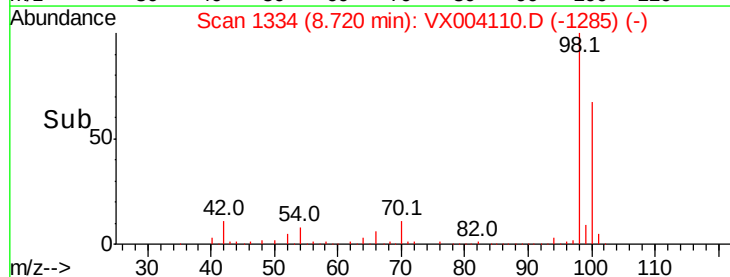
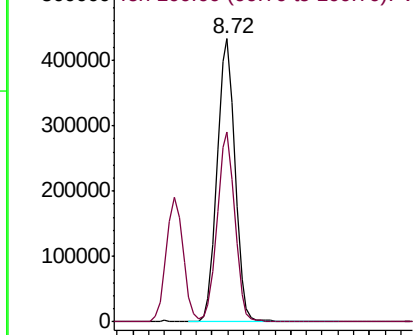
#50
 Toluene-d8
 Concen: 52.368 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

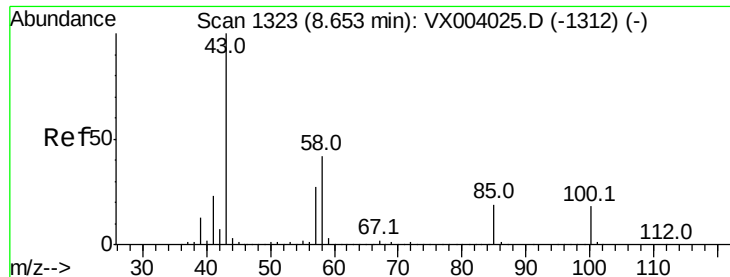
Tgt Ion: 98 Resp: 686229

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 255.848 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

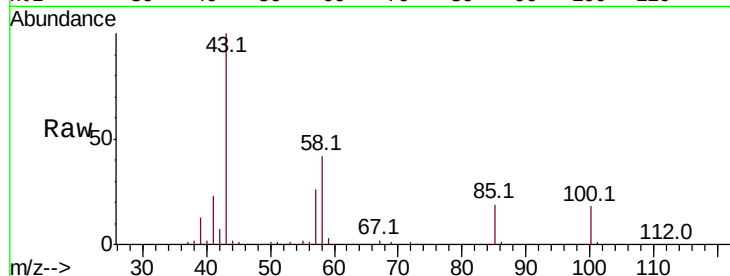
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1654715

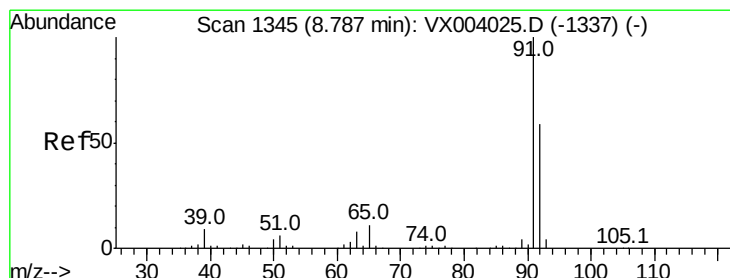
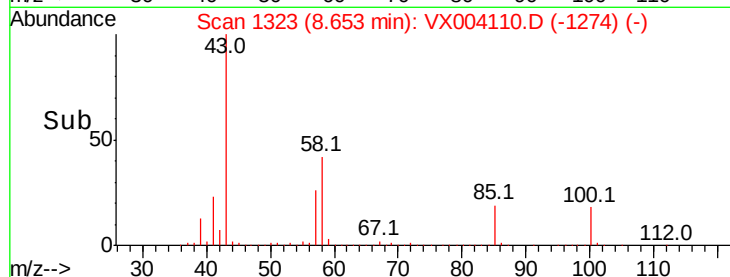
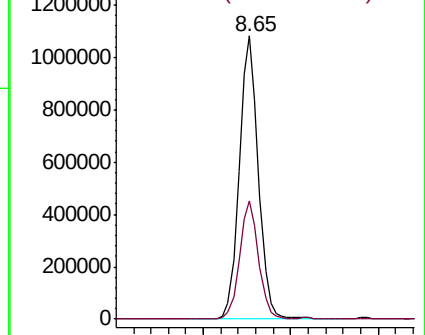
Ion Ratio Lower Upper

43 100

58 41.2 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.225 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004110.D

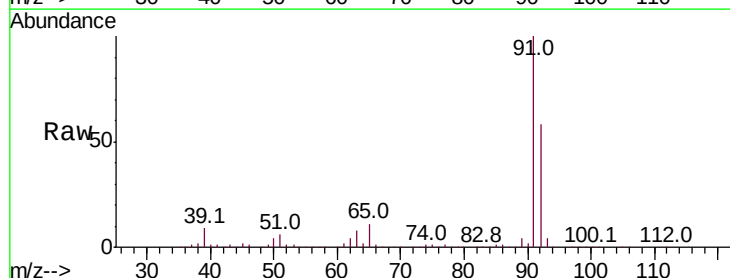
Acq: 16 Aug 2018 08:53

Tgt Ion: 92 Resp: 468702

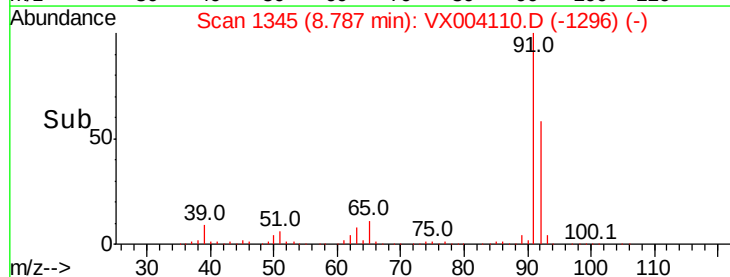
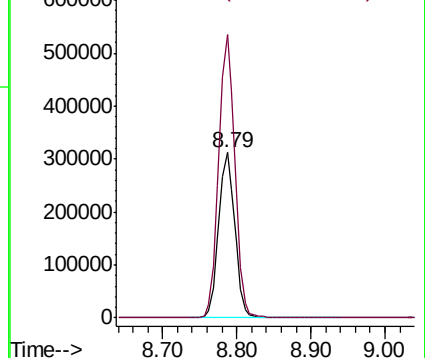
Ion Ratio Lower Upper

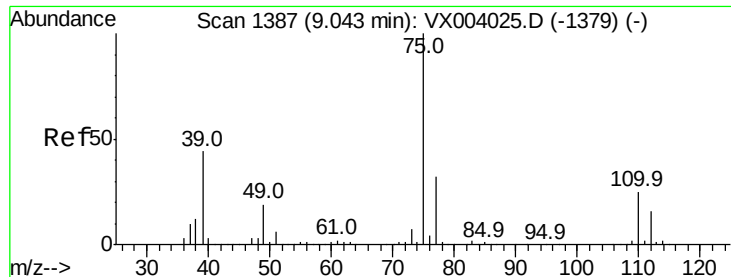
92 100

91 170.8 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 46.011 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

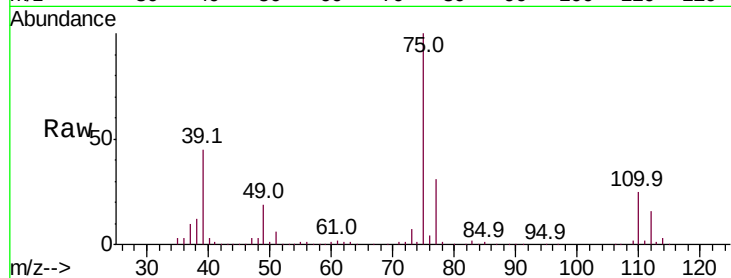
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 232392

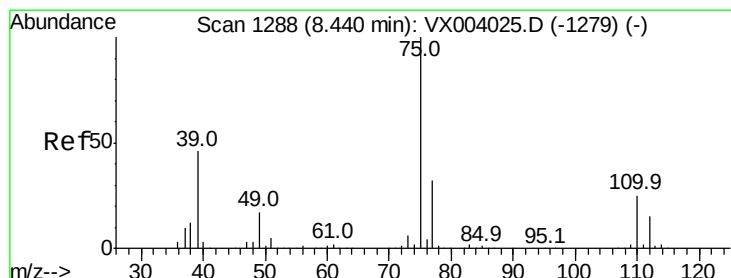
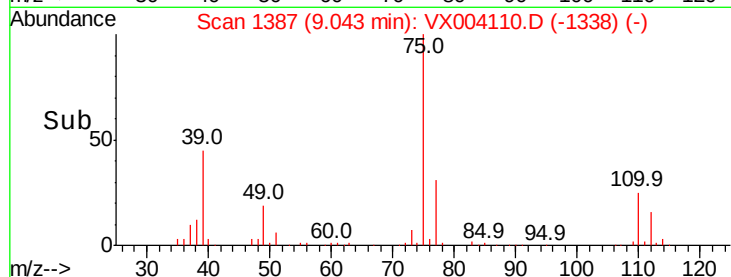
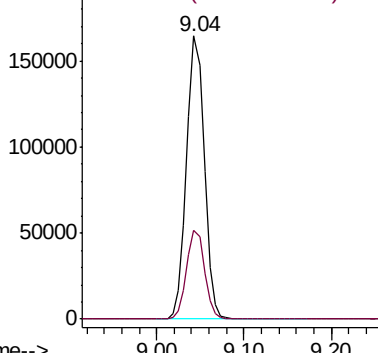
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7



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: 43.835 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

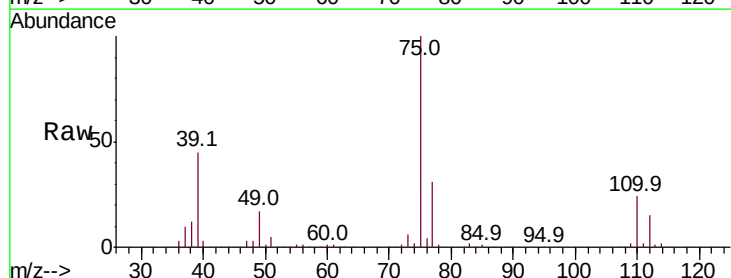
Tgt Ion: 75 Resp: 245190

Ion Ratio Lower Upper

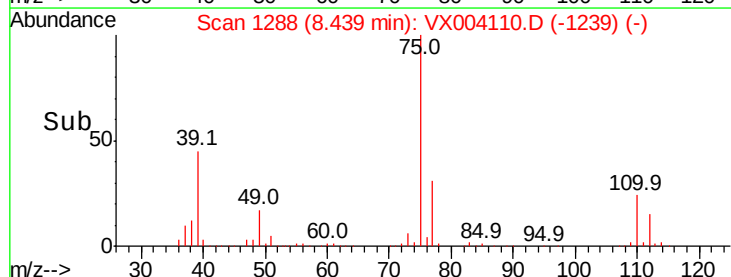
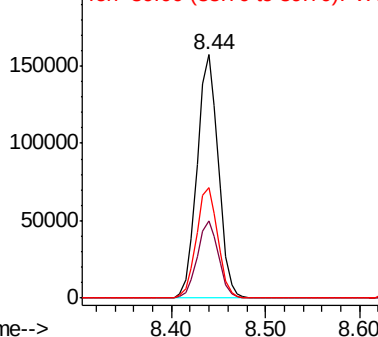
75 100

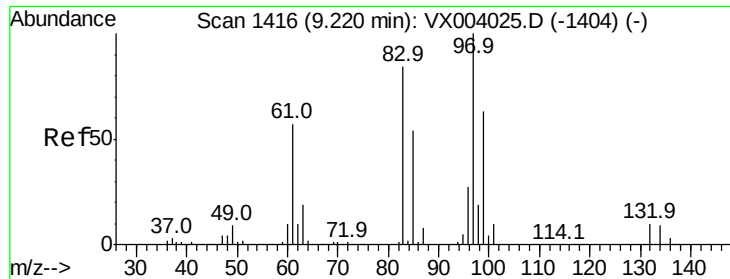
77 31.5 25.3 37.9

39 45.4 36.2 54.2



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

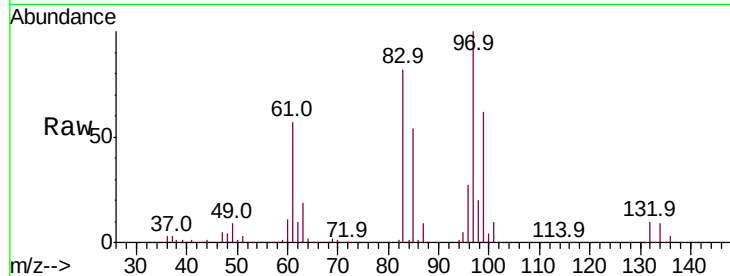




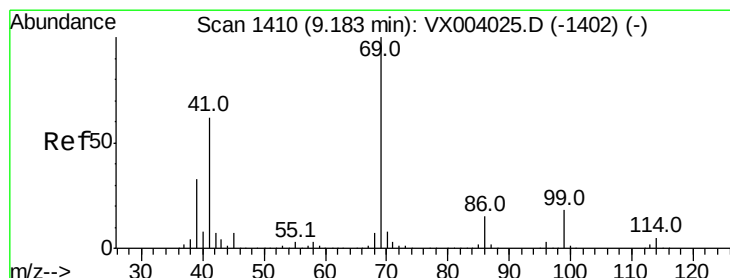
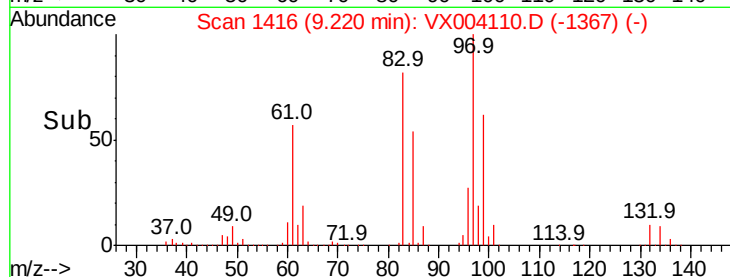
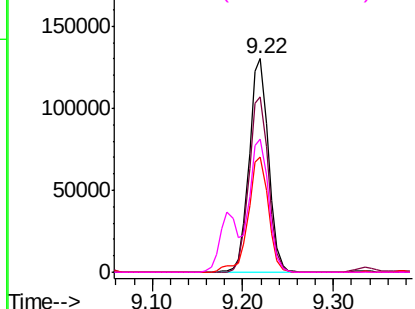
#55
 1,1,2-Trichloroethane
 Concen: 49.601 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	191149
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.8	101.6
85	53.8	44.2	66.2
99	62.3	50.8	76.2

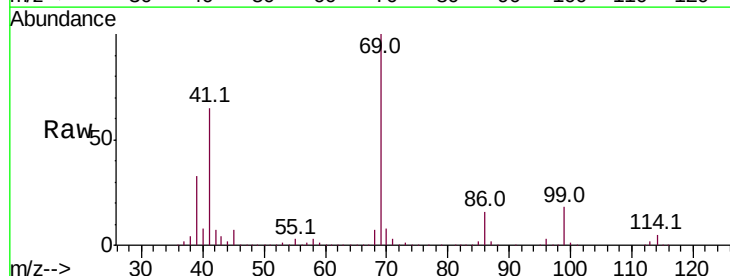


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

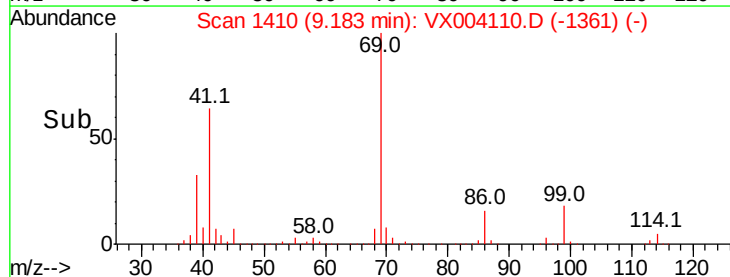
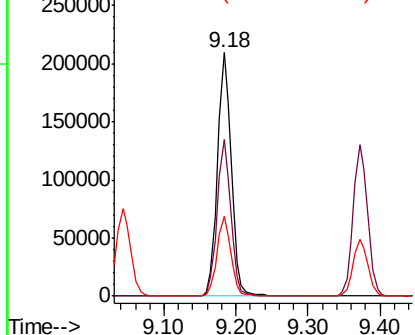


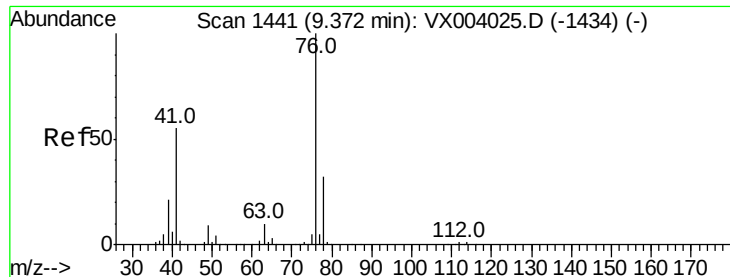
#56
 Ethyl methacrylate
 Concen: 52.795 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion:	69	Resp:	276671
Ion	Ratio	Lower	Upper
69	100		
41	63.7	50.6	76.0
39	33.0	25.8	38.6



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

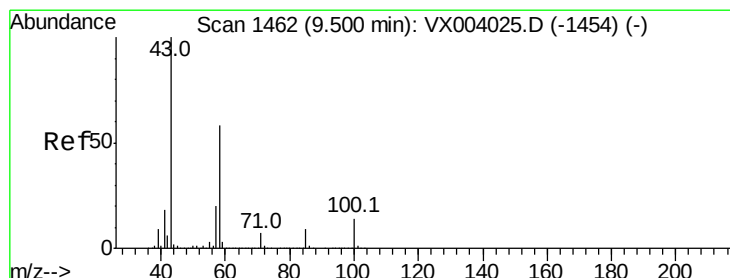
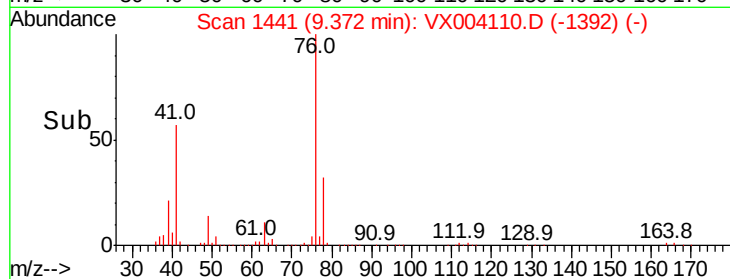
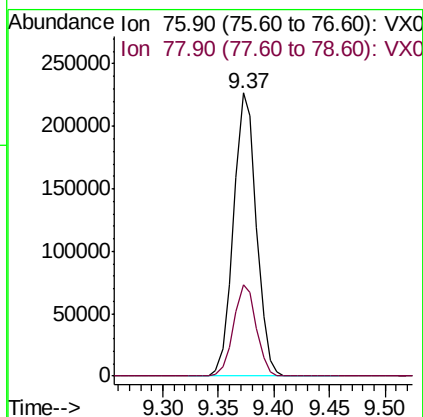
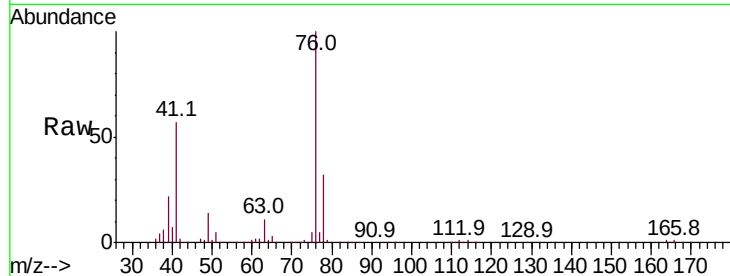




#57
 1,3-Dichloropropane
 Concen: 50.303 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

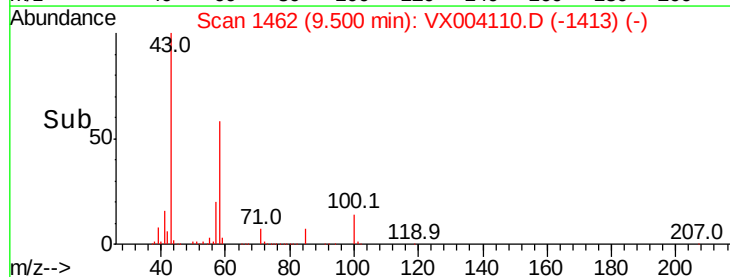
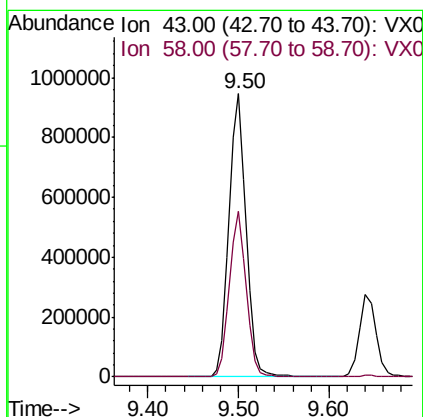
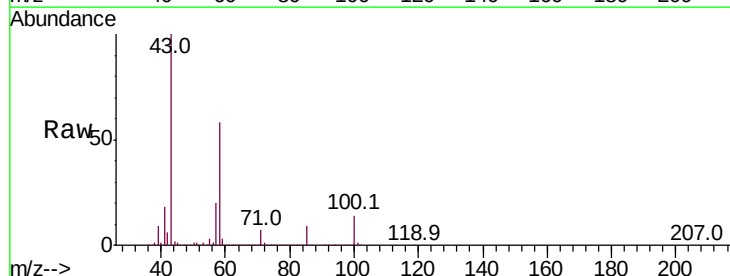
Instrument :
 MSVOA_X
 ClientSampled :

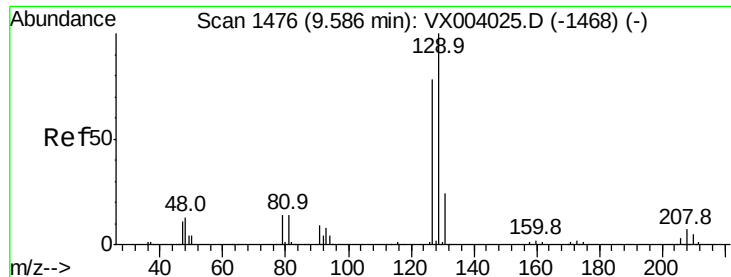
Tot Ion: 76 Resp: 321630
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9



#59
 2-Hexanone
 Concen: 255.587 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion: 43 Resp: 1244082
 Ion Ratio Lower Upper
 43 100
 58 57.7 29.0 87.0





#60

Dibromochloromethane

Concen: 51.493 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

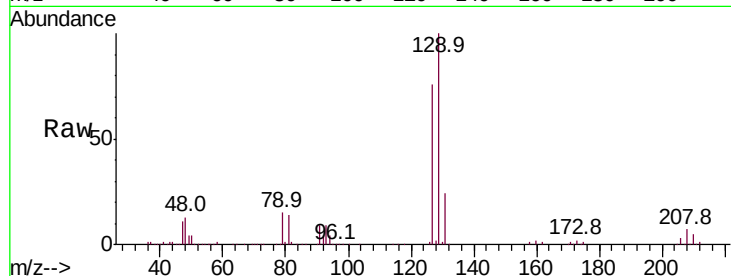
ClientSampleId :

Tot Ion:129 Resp: 190963

Ion Ratio Lower Upper

129 100

127 76.7 38.8 116.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

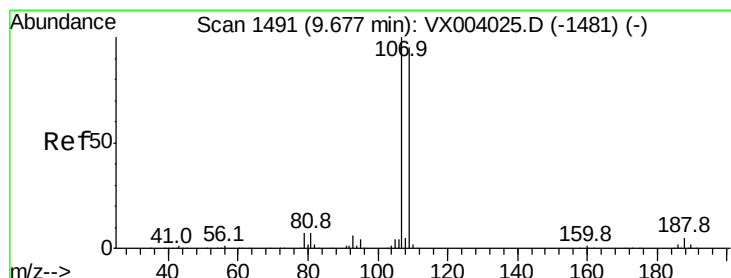
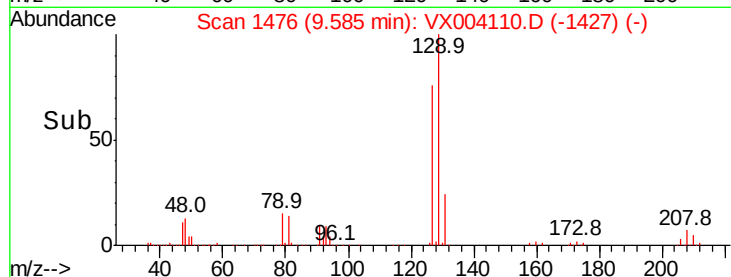
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 50.171 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004110.D

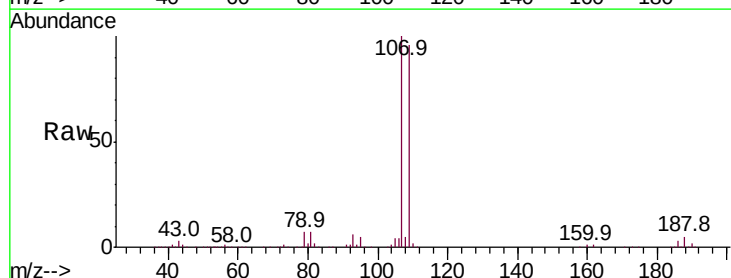
Acq: 16 Aug 2018 08:53

Tgt Ion:107 Resp: 197101

Ion Ratio Lower Upper

107 100

109 95.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

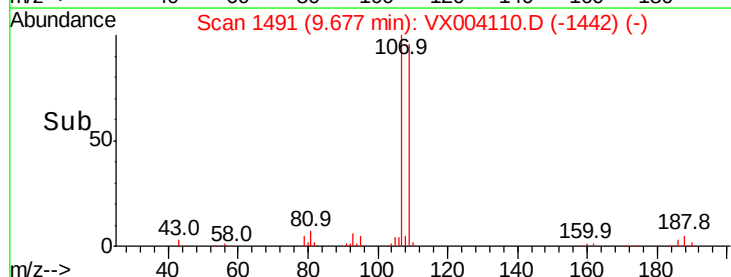
150000

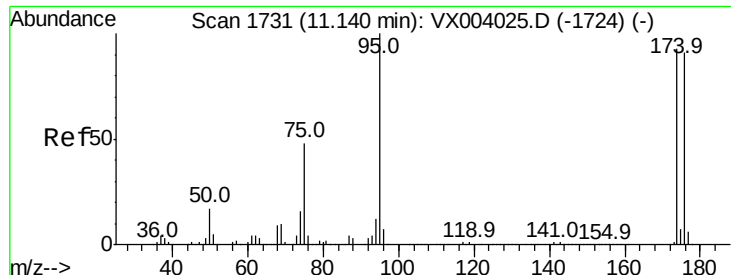
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.261 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

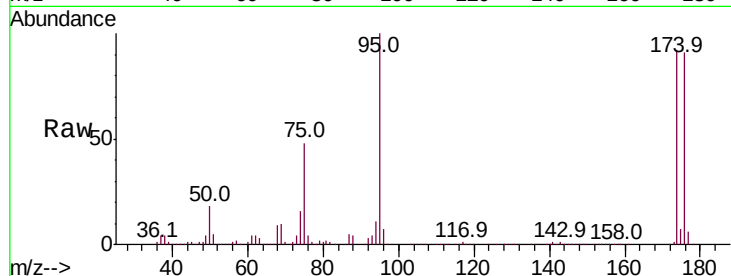
Tot Ion: 95 Resp: 248379

Ion Ratio Lower Upper

95 100

174 91.0 0.0 182.8

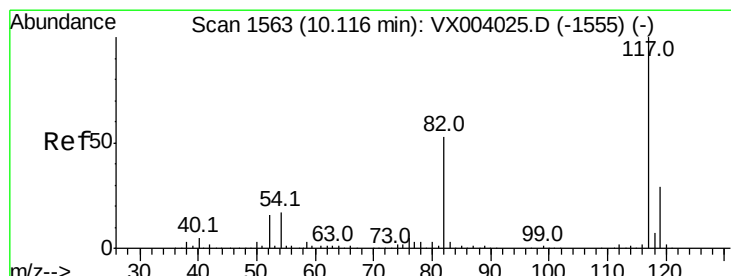
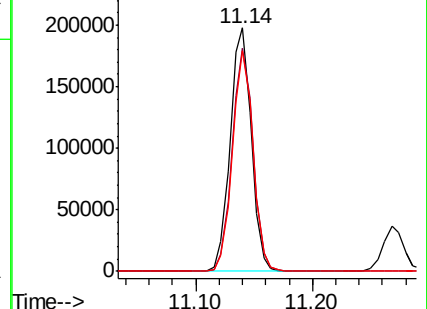
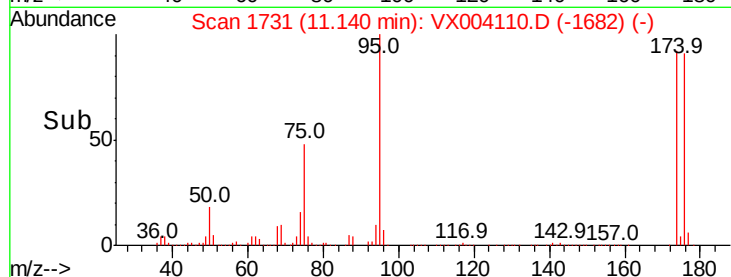
176 88.9 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX004110.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX004110.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX004110.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

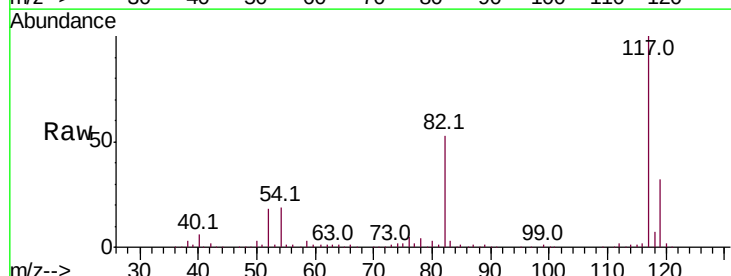
Tgt Ion: 117 Resp: 416884

Ion Ratio Lower Upper

117 100

82 53.4 45.4 68.0

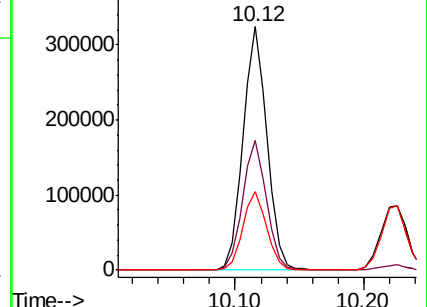
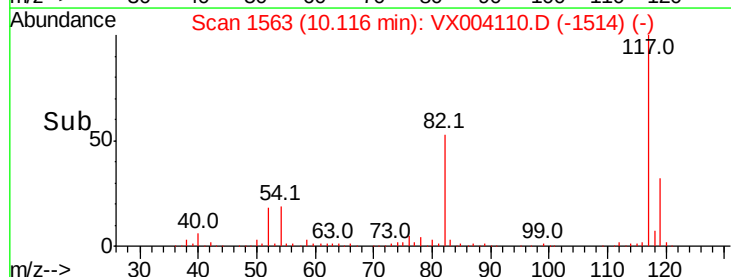
119 32.0 26.6 40.0

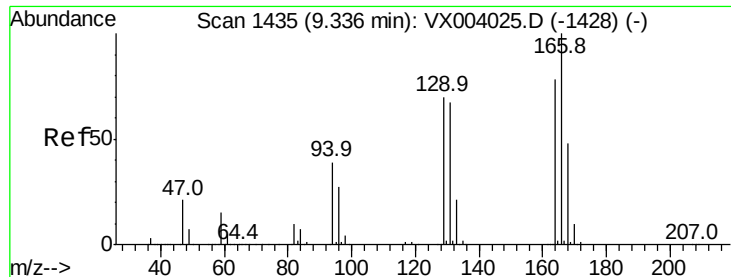


Abundance Ion 116.90 (116.60 to 117.60): VX004110.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX004110.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX004110.D (-1514) (-)

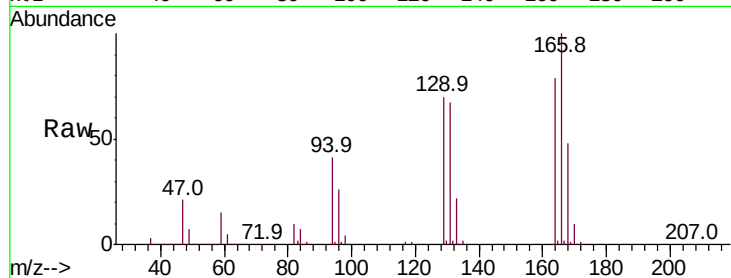




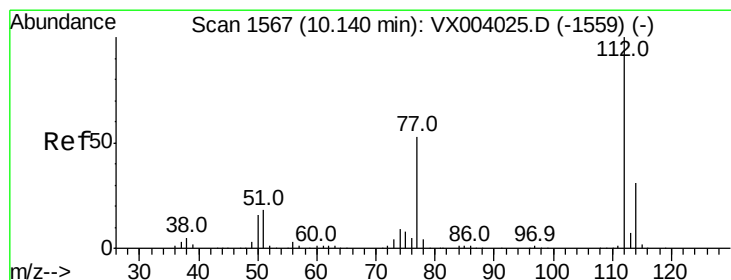
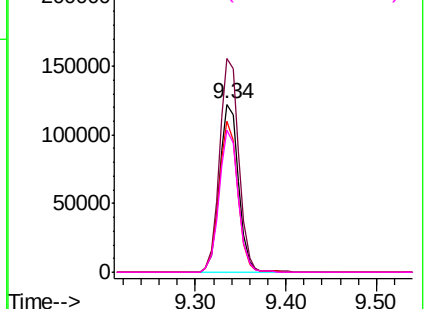
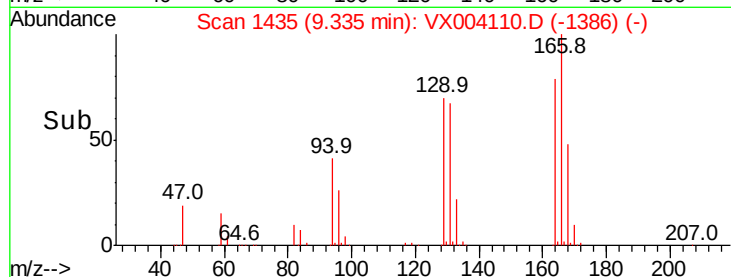
#64
Tetrachloroethene
Concen: 45.569 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 180050
Ion Ratio Lower Upper
164 100
166 127.1 98.0 147.0
129 89.6 64.3 96.5
131 84.9 66.8 100.2

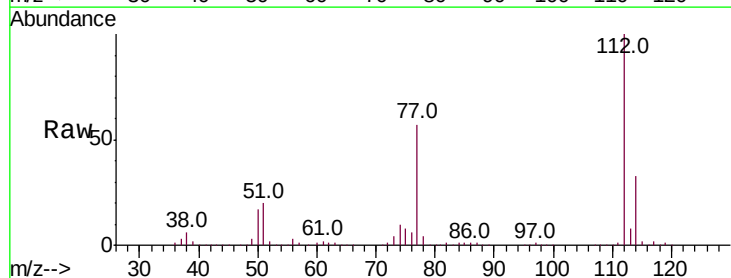


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

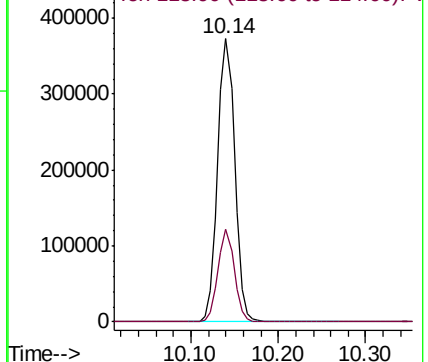
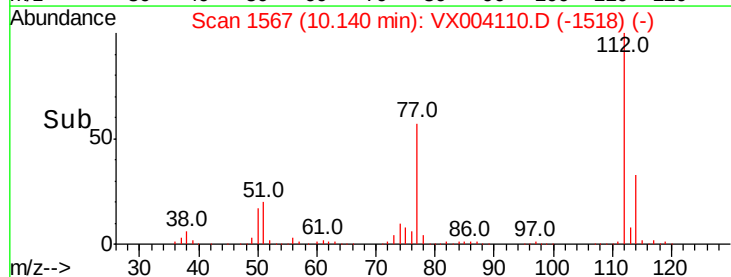


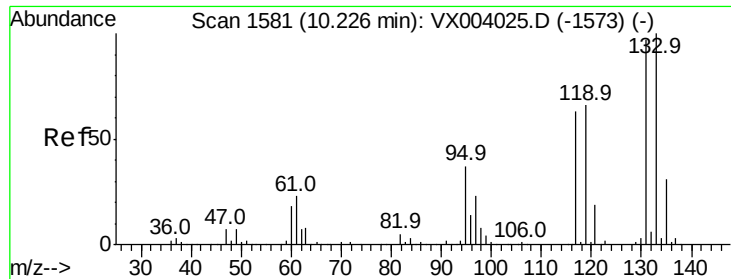
#65
Chlorobenzene
Concen: 46.938 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion:112 Resp: 505452
Ion Ratio Lower Upper
112 100
114 32.6 23.6 35.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

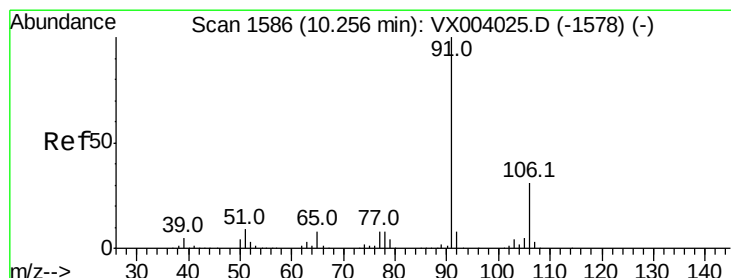
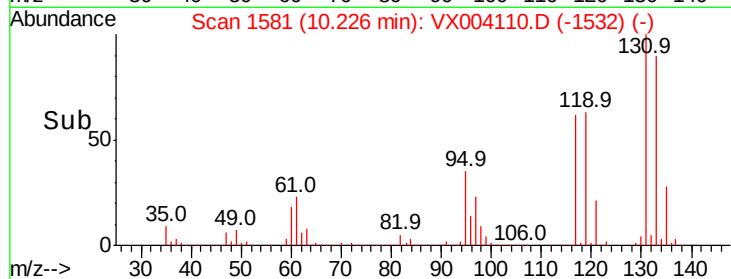
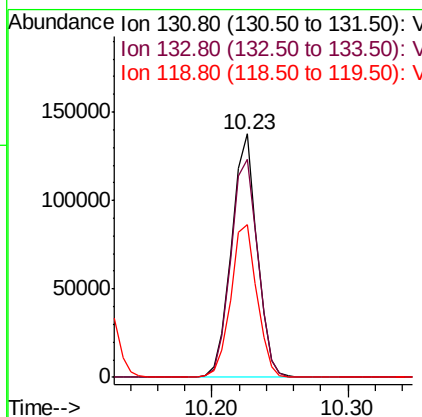
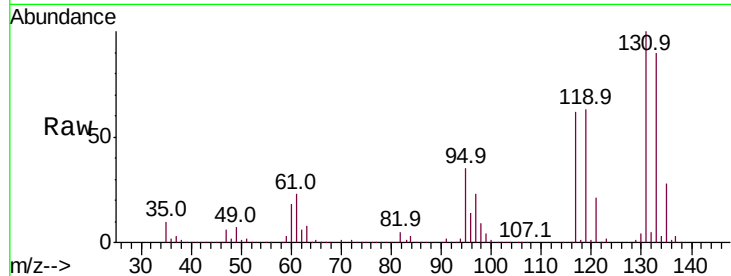




#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.993 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

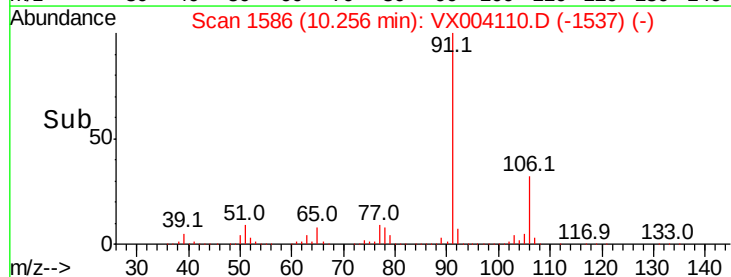
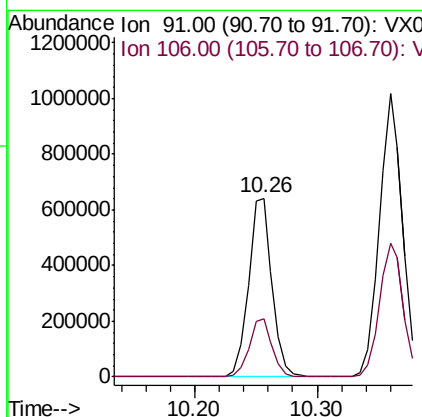
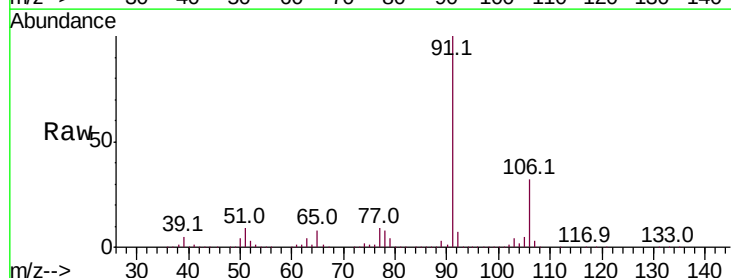
Instrument :
 MSVOA_X
 ClientSampleId :

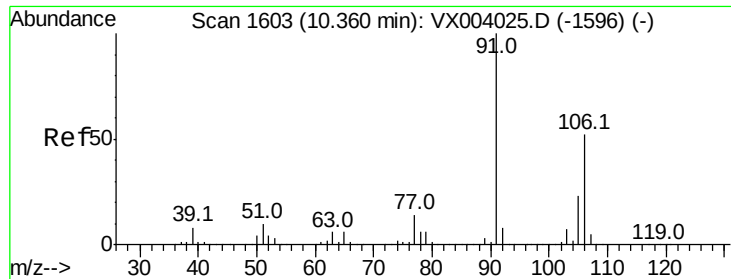
Tot Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.8
119	64.5	31.6	94.8



#67
 Ethyl Benzene
 Concen: 49.936 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.9	38.9

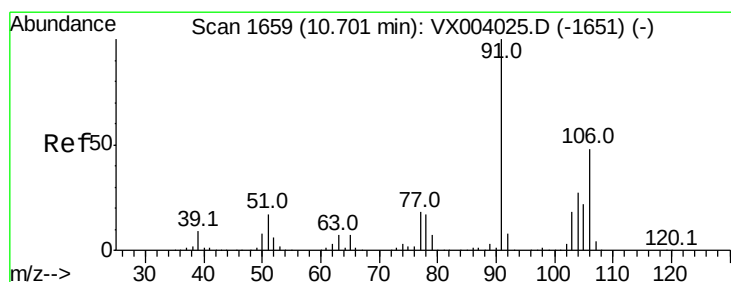
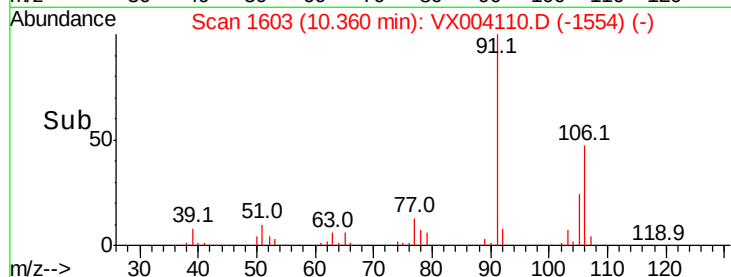
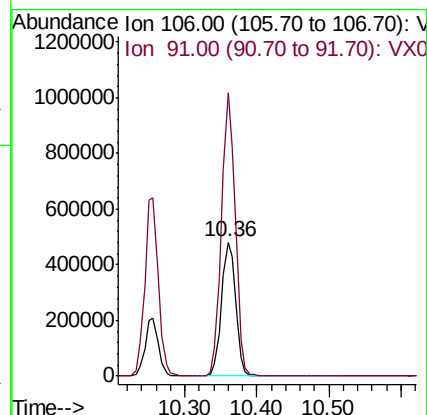
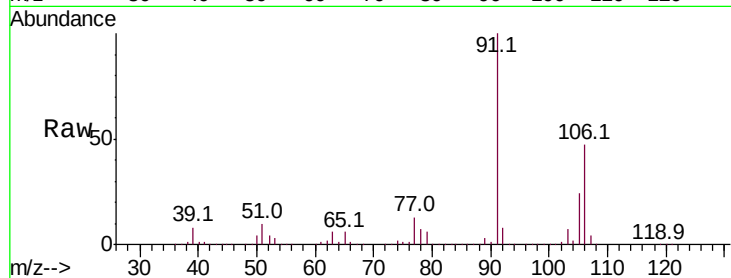




#68
m/p-Xylenes
Concen: 97.563 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

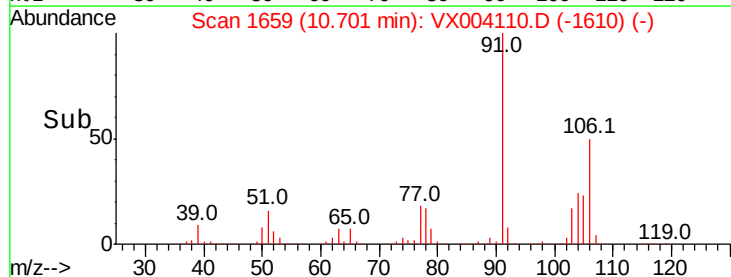
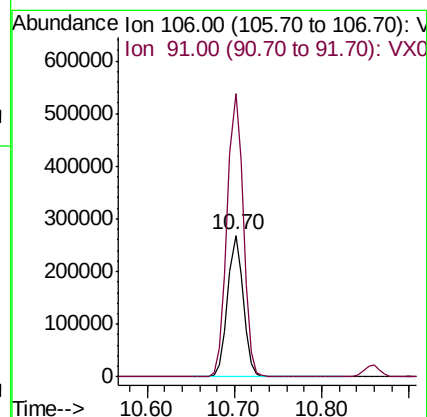
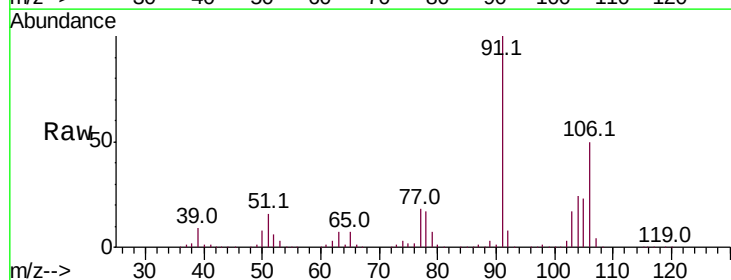
Instrument :
MSVOA_X
ClientSampleId :

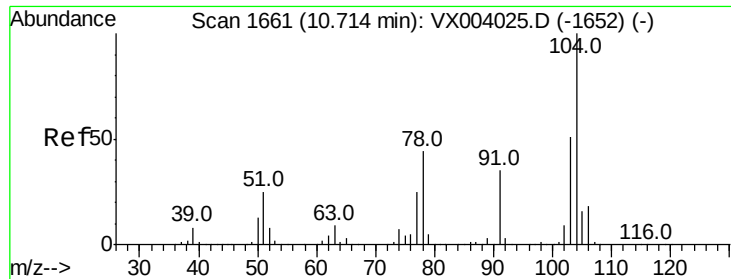
Tot Ion:106 Resp: 651483
Ion Ratio Lower Upper
106 100
91 206.1 162.3 243.5



#69
o-Xylene
Concen: 51.635 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion:106 Resp: 329514
Ion Ratio Lower Upper
106 100
91 207.8 101.9 305.7

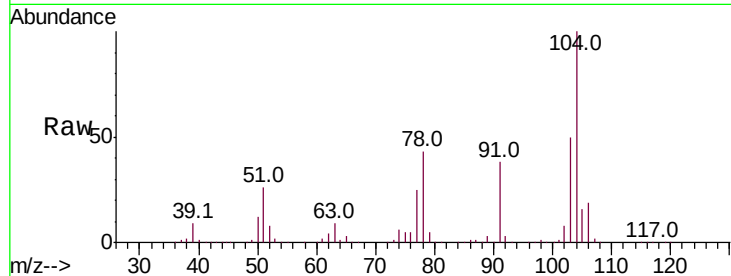




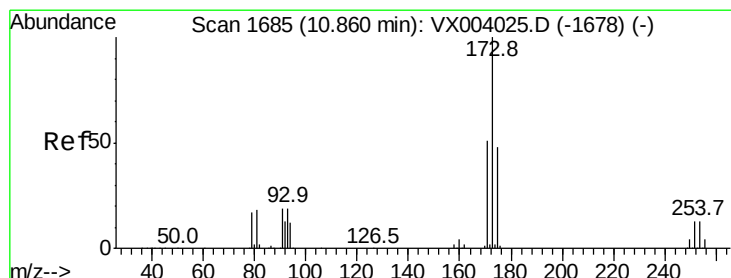
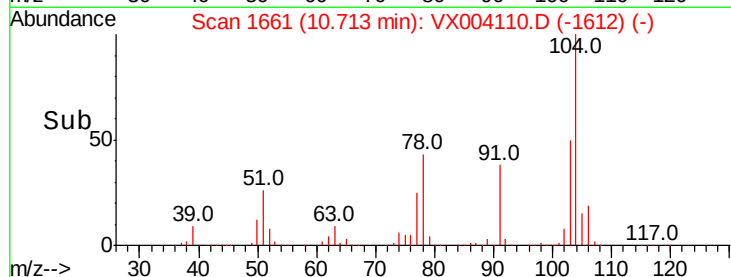
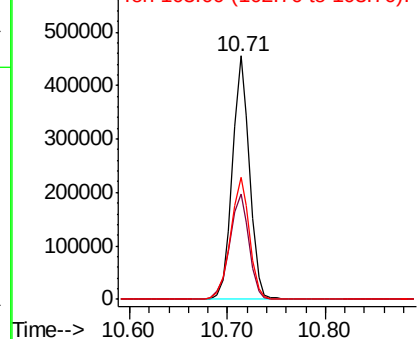
#70
Stvrene
Concen: 51.582 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:104 Resp: 553984
Ion Ratio Lower Upper
104 100
78 48.5 39.8 59.6
103 55.2 44.3 66.5

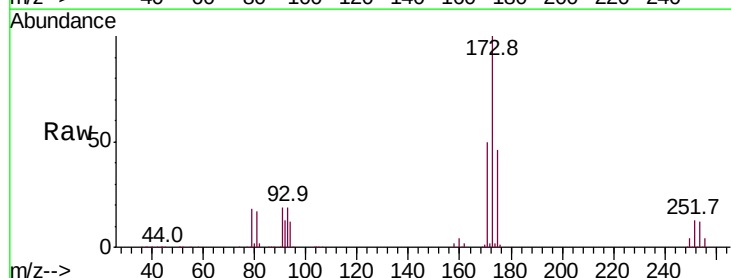


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

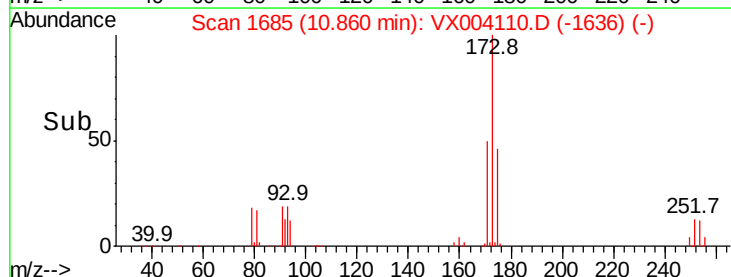
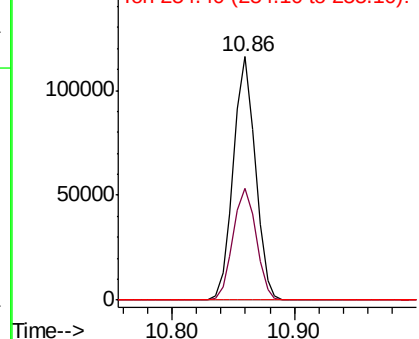


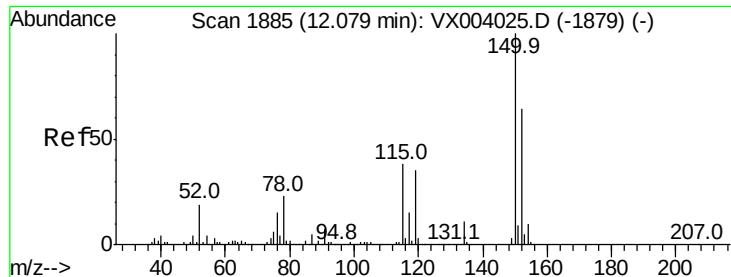
#71
Bromoform
Concen: 49.513 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion:173 Resp: 144204
Ion Ratio Lower Upper
173 100
175 48.4 24.9 74.7
254 0.2 0.2 0.2



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: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

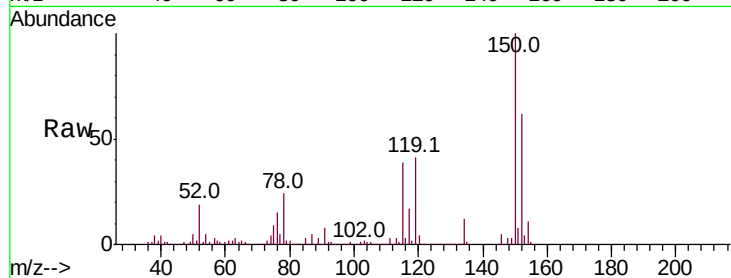
Tot Ion:152 Resp: 258705

Ion Ratio Lower Upper

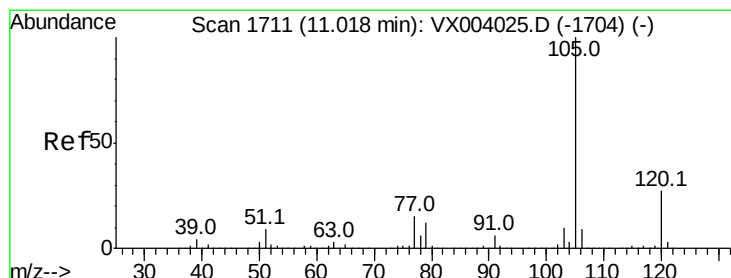
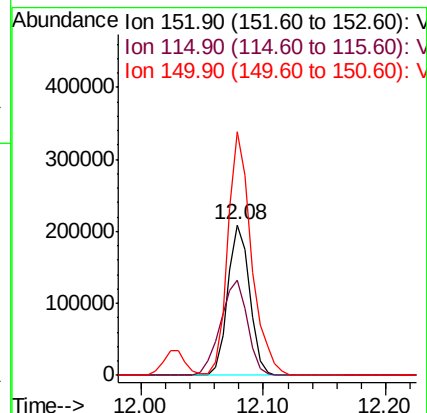
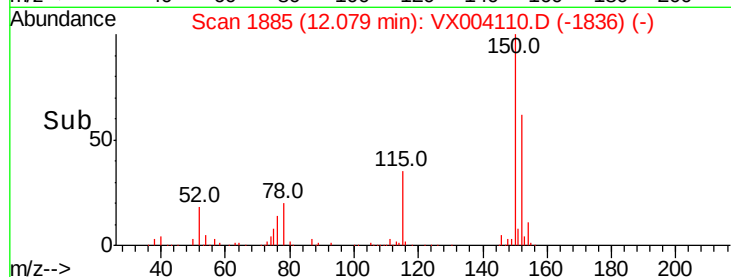
152 100

115 77.9 39.1 117.3

150 174.4 0.0 349.2



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: 51.199 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004110.D

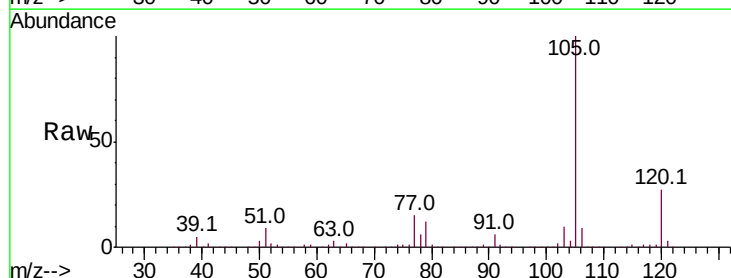
Acq: 16 Aug 2018 08:53

Tgt Ion:105 Resp: 896349

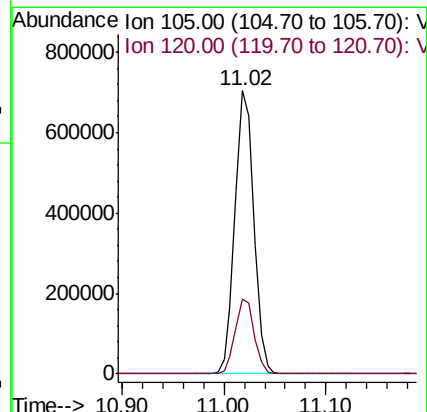
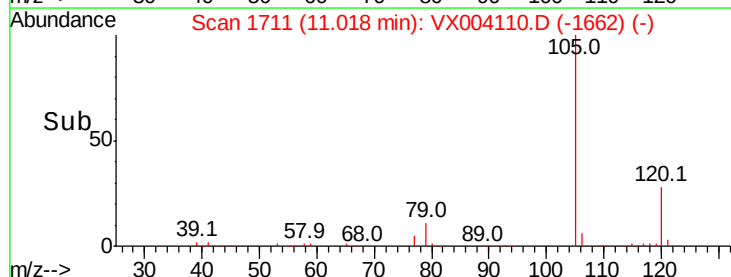
Ion Ratio Lower Upper

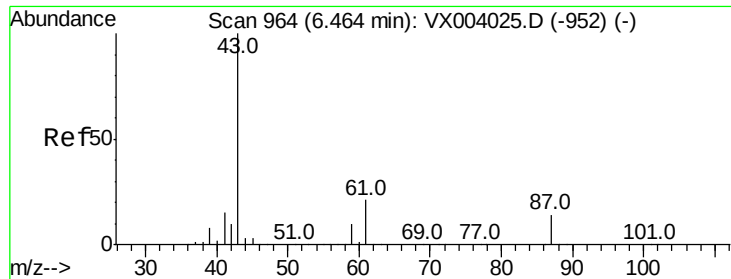
105 100

120 26.5 12.6 37.8



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





#74

N-amvl acetate

Concen: 46.780 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 385211

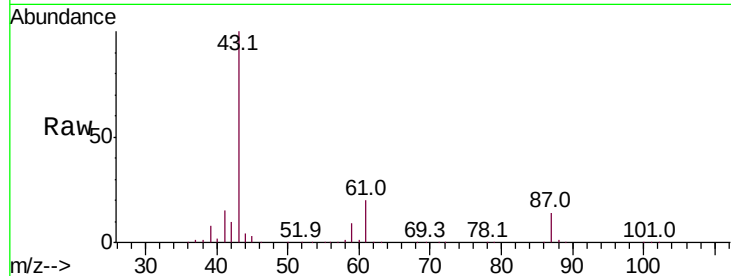
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 21.0 16.9 25.3

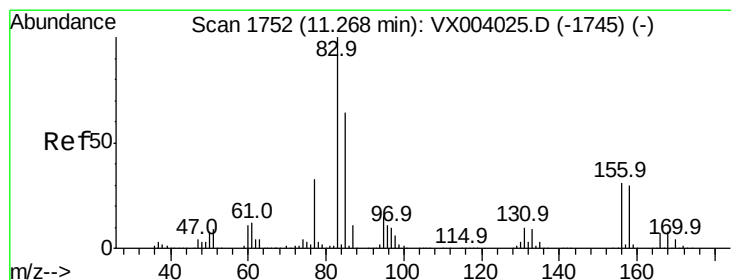
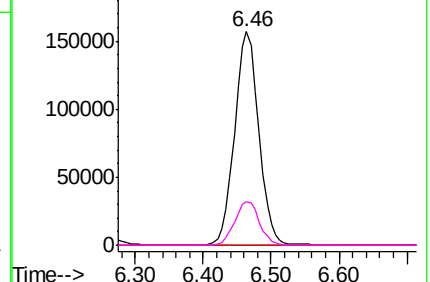
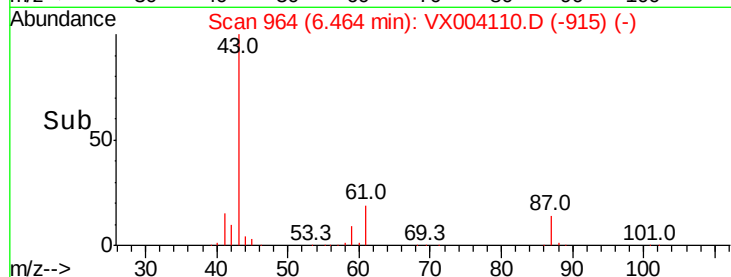


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 48.633 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

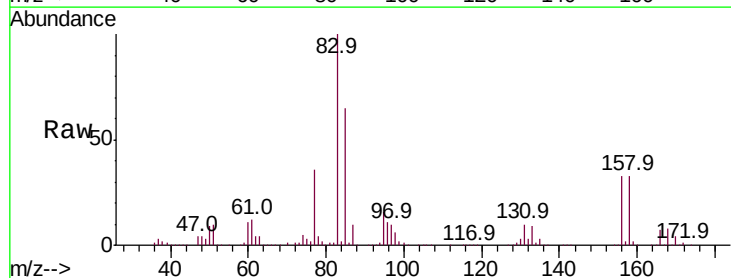
Tgt Ion: 83 Resp: 297332

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

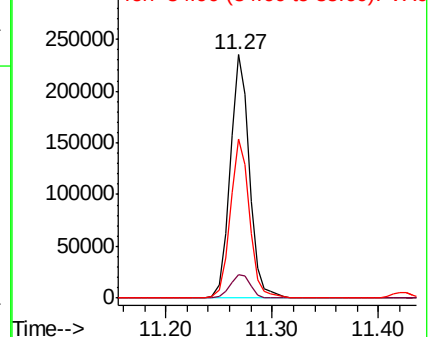
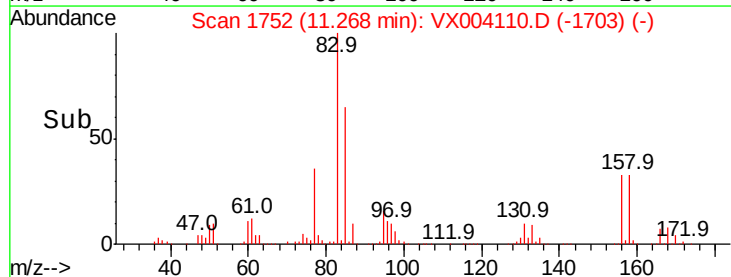
85 65.0 32.2 96.6

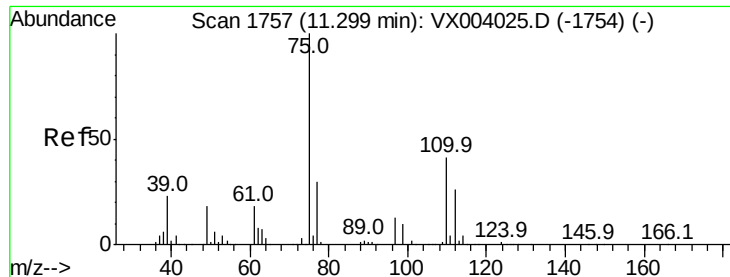


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 59.342 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

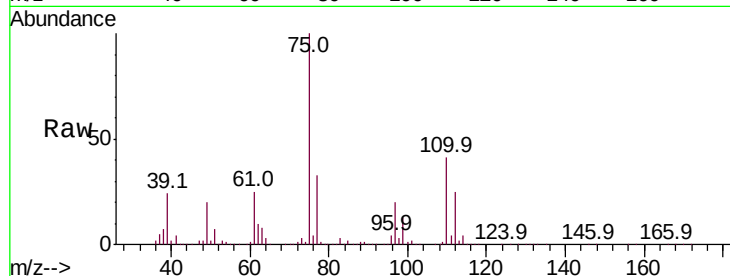
ClientSampled :

Tot Ion: 75 Resp: 307875

Ion Ratio Lower Upper

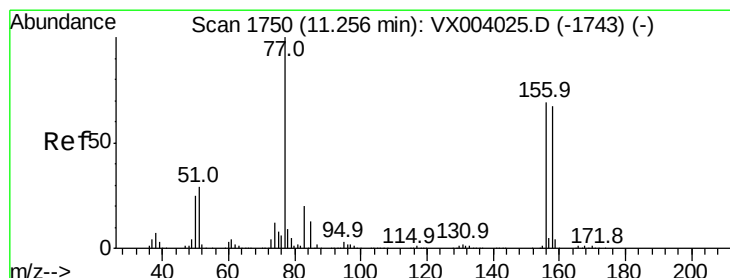
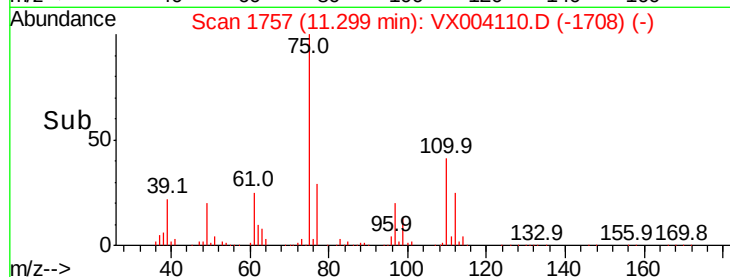
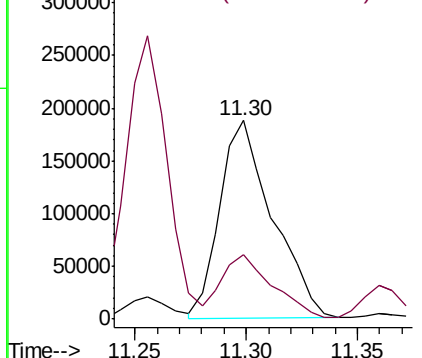
75 100

77 32.2 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 49.274 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

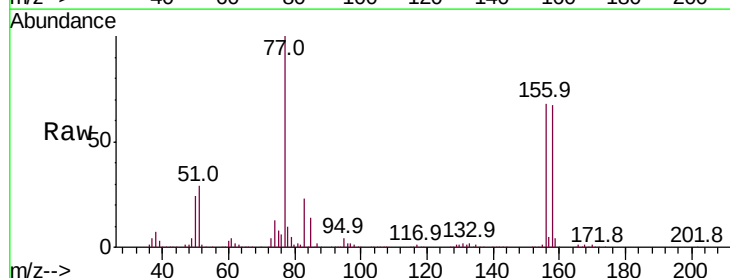
Tgt Ion: 156 Resp: 237805

Ion Ratio Lower Upper

156 100

77 146.7 74.1 222.2

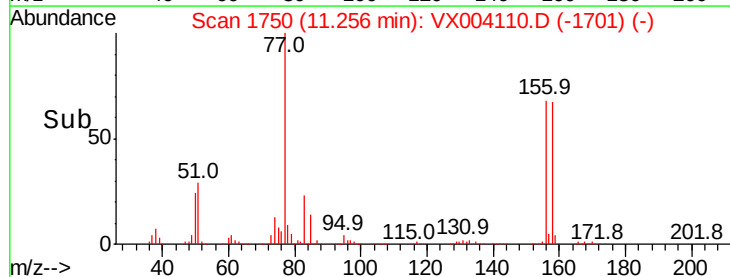
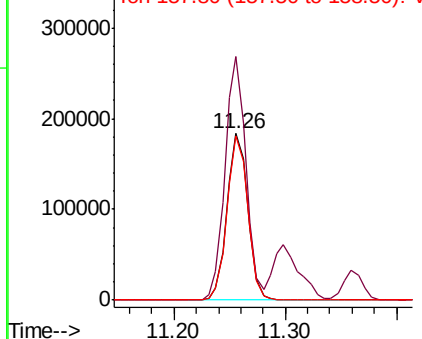
158 97.9 48.6 145.9

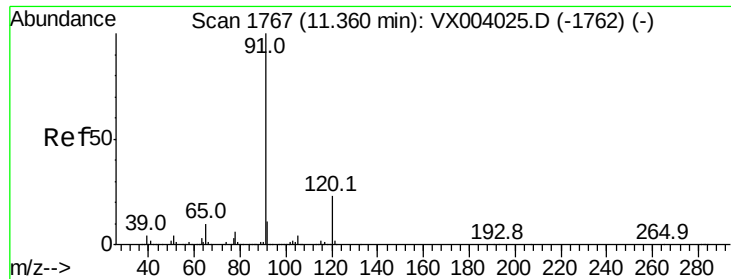


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 51.914 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

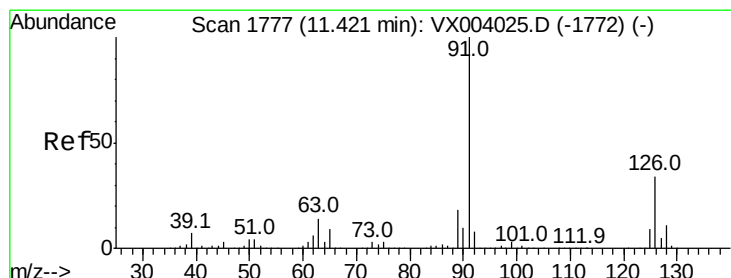
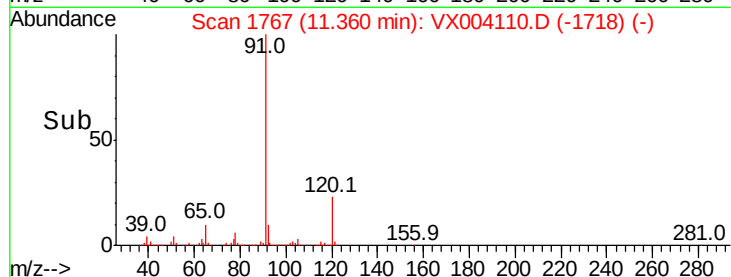
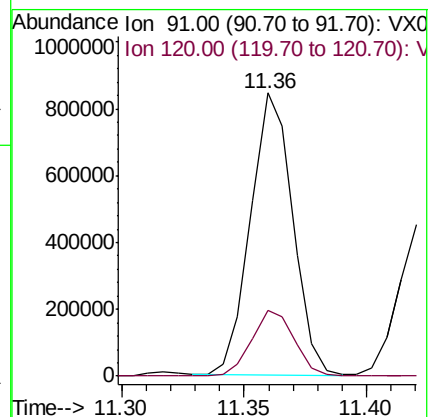
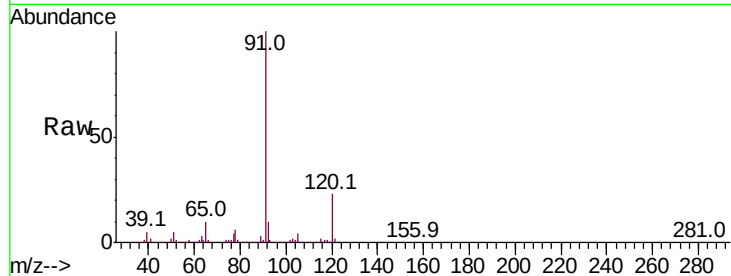
ClientSampleId :

Tot Ion: 91 Resp: 1017121

Ion Ratio Lower Upper

91 100

120 23.5 11.9 35.5



#79

2-Chlorotoluene

Concen: 47.553 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004110.D

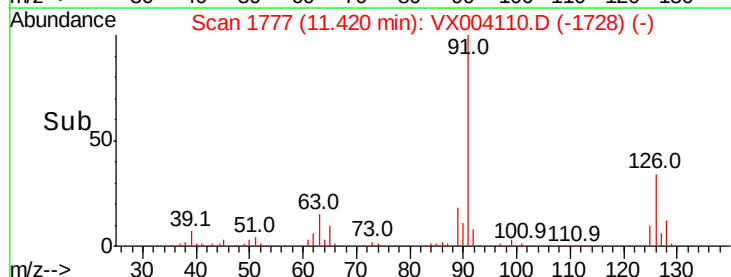
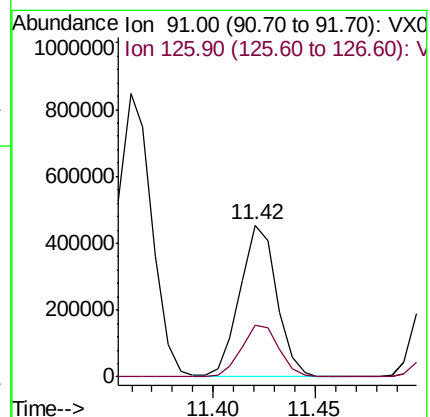
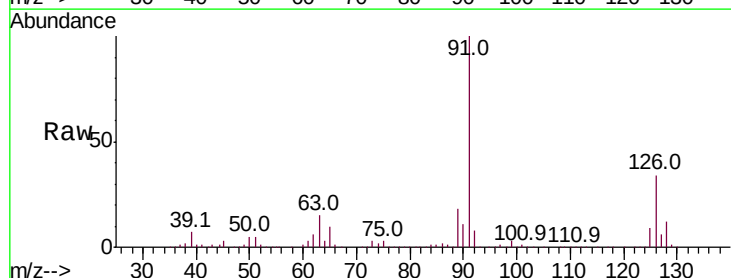
Acq: 16 Aug 2018 08:53

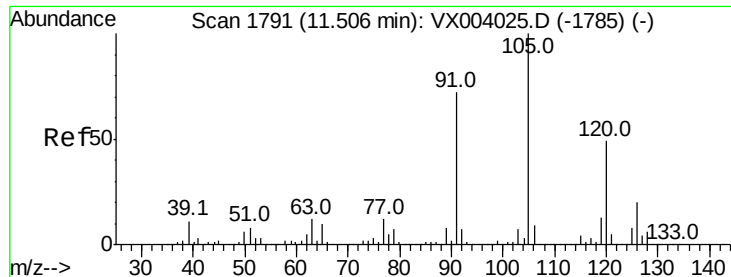
Tgt Ion: 91 Resp: 567772

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3

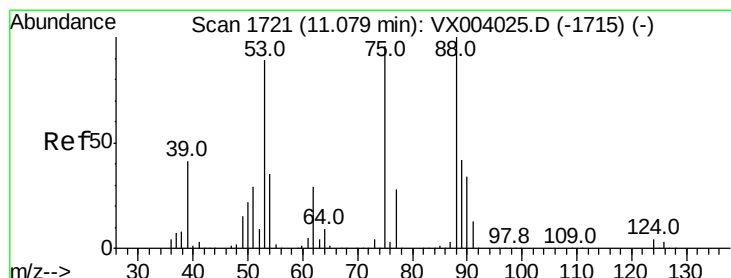
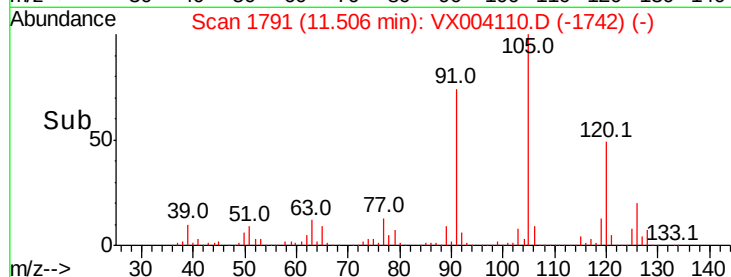
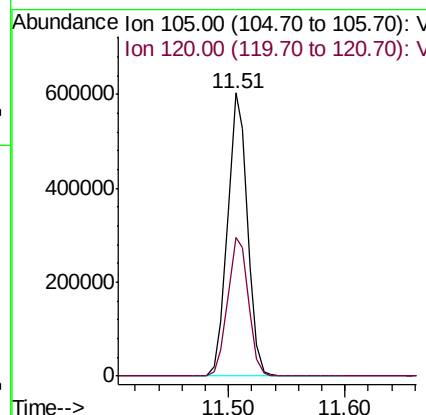
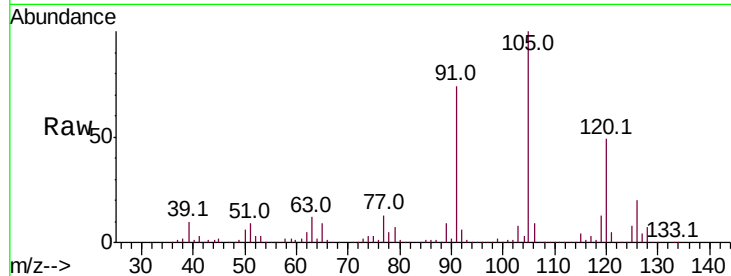




#80
 1,3,5-Trimethylbenzene
 Concen: 49.375 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

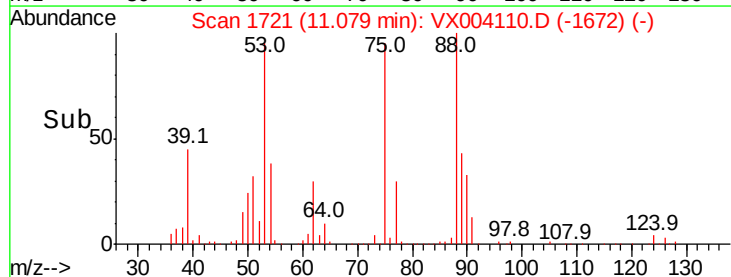
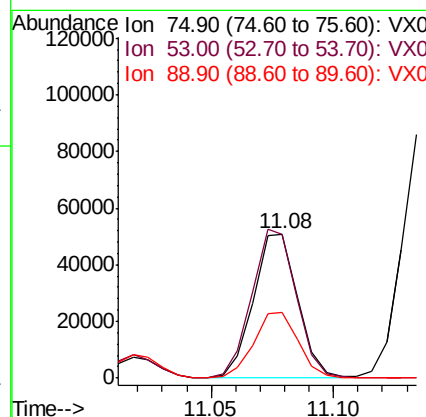
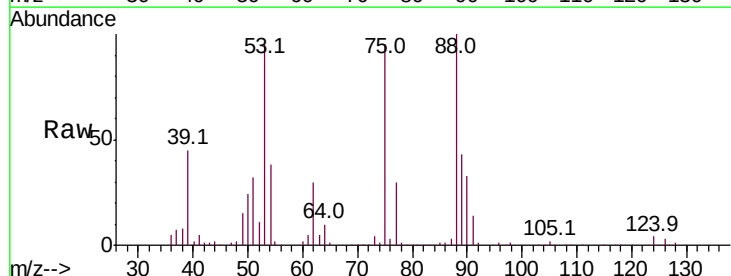
Instrument :
 MSVOA_X
 ClientSampleId :

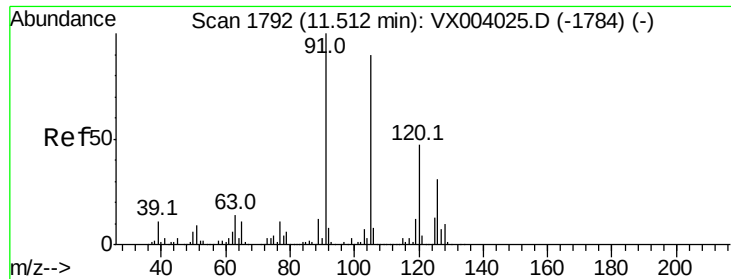
Tot Ion:105 Resp: 707797
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.4 76.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 38.288 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion: 75 Resp: 64171
 Ion Ratio Lower Upper
 75 100
 53 103.7 80.3 120.5
 89 46.3 37.8 56.8

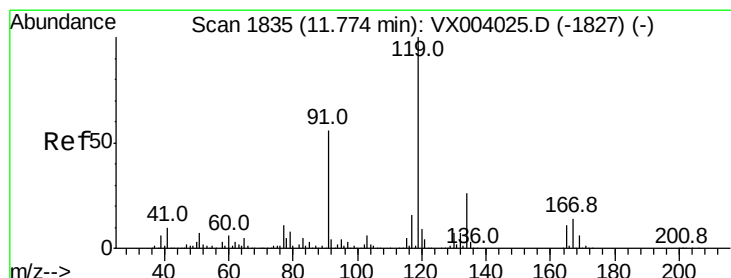
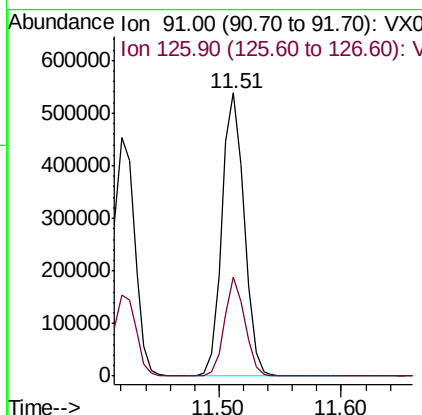
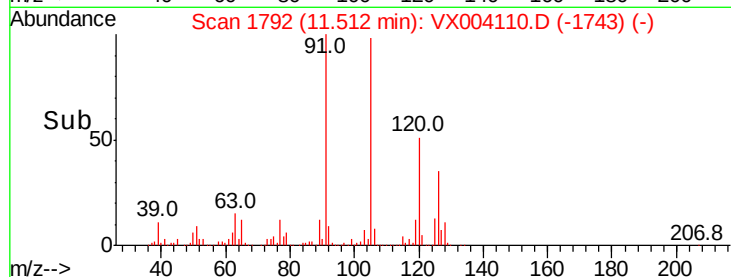
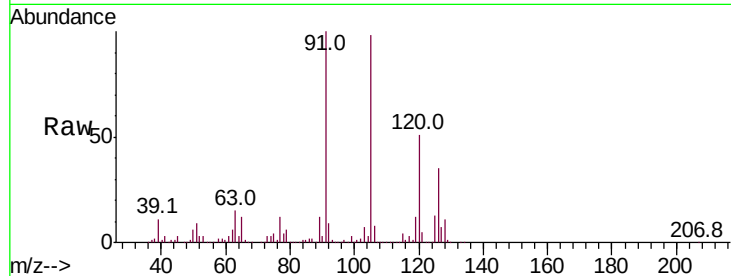




#82
4-Chlorotoluene
Concen: 48.050 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

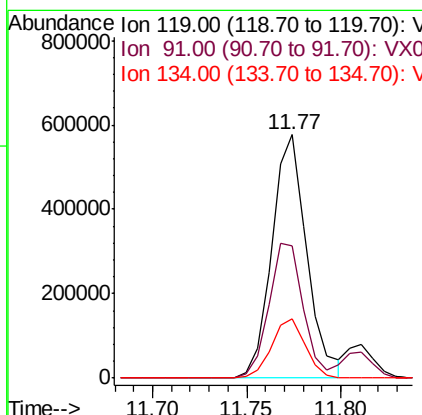
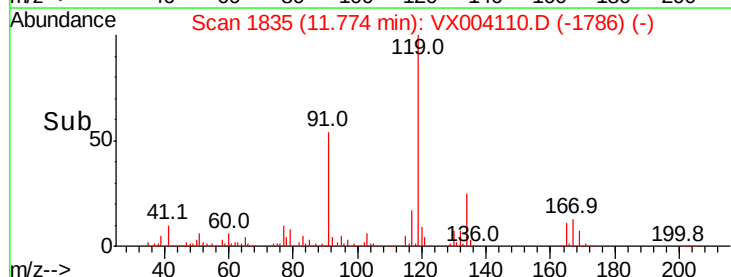
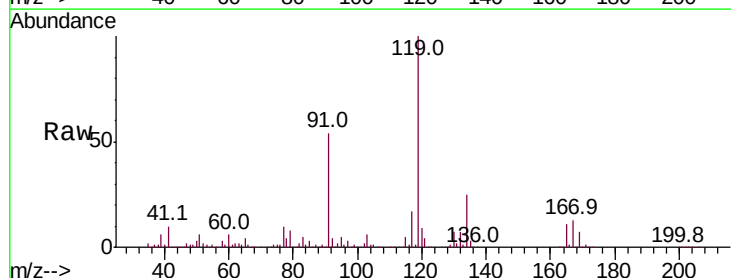
Instrument :
MSVOA_X
ClientSampled :

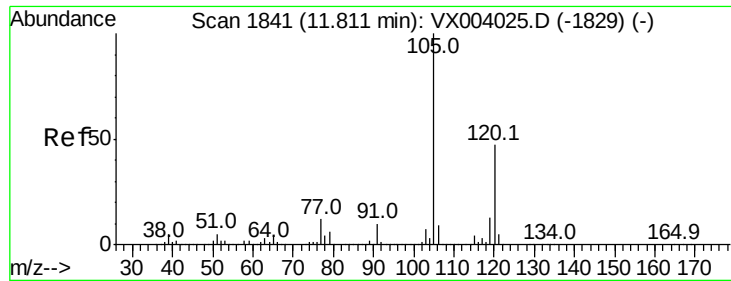
Tot Ion: 91 Resp: 678166
Ion Ratio Lower Upper
91 100
126 32.1 15.6 46.7



#83
tert-Butylbenzene
Concen: 51.103 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion: 119 Resp: 738613
Ion Ratio Lower Upper
119 100
91 54.3 26.9 80.7
134 23.9 12.0 36.0

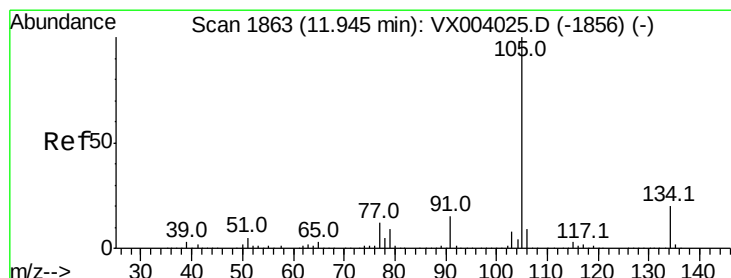
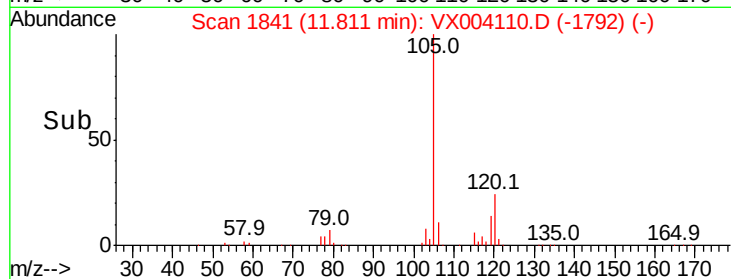
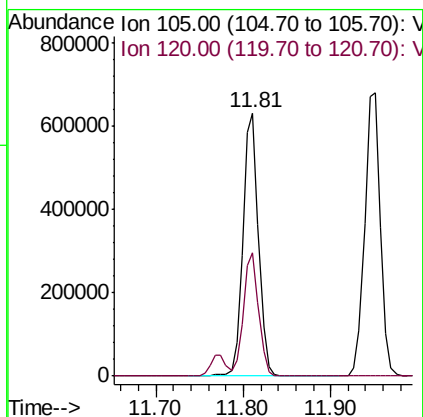
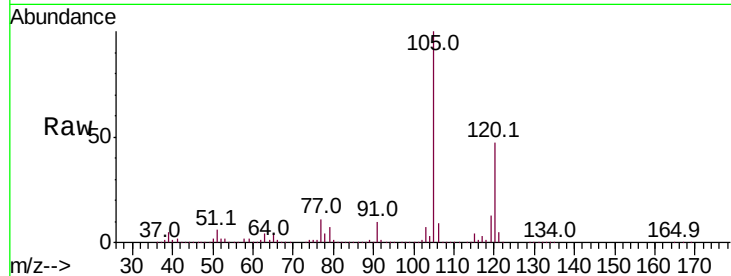




#84
 1,2,4-Trimethylbenzene
 Concen: 52.304 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

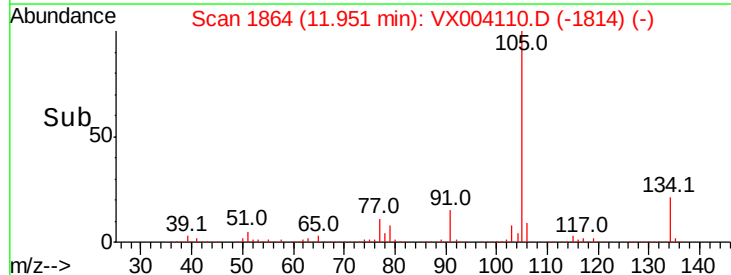
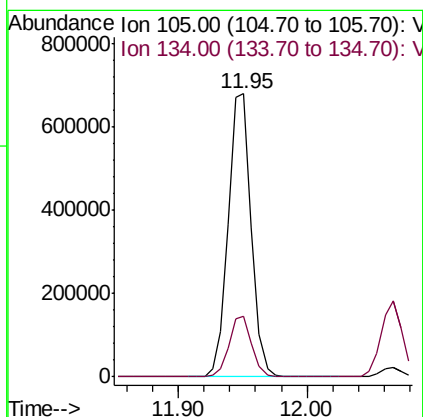
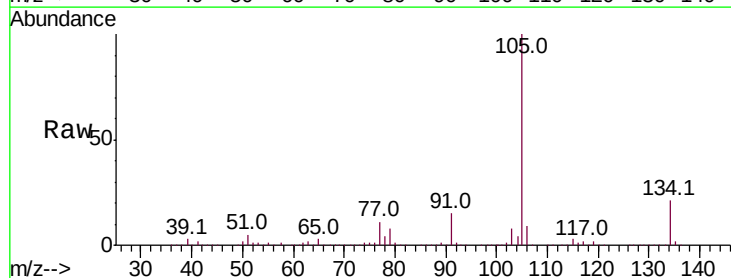
Instrument :
 MSVOA_X
 ClientSampleId :

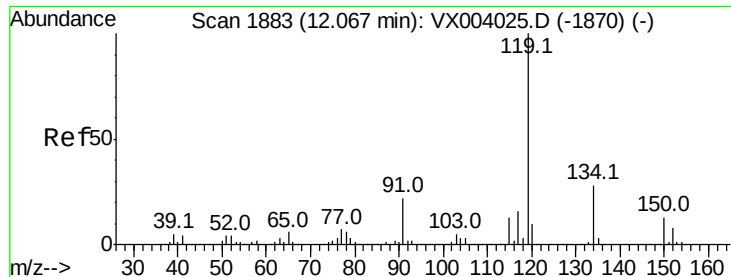
Tot Ion:105 Resp: 776552
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 50.399 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.01 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion:105 Resp: 852577
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.9





#86

p-Isopropyltoluene

Concen: 50.930 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampled :

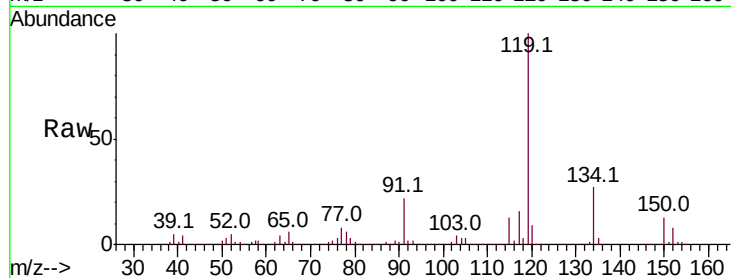
Tot Ion:119 Resp: 779979

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

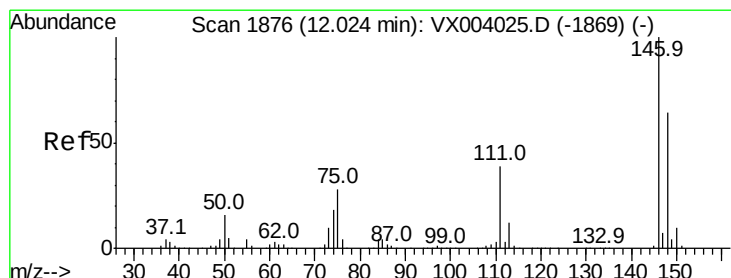
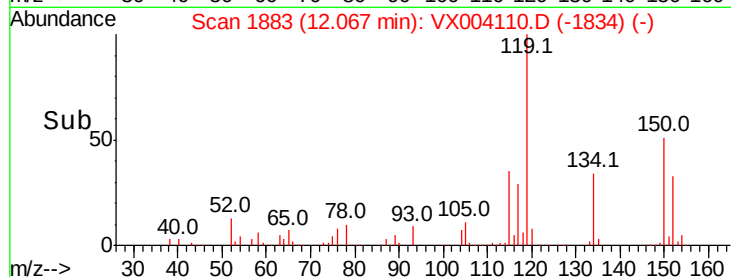
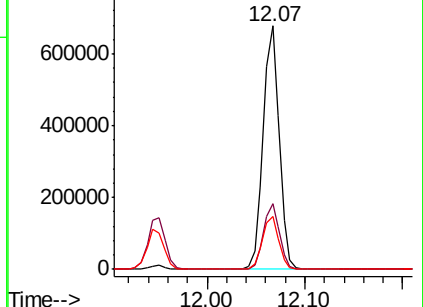
91 22.0 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 46.958 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

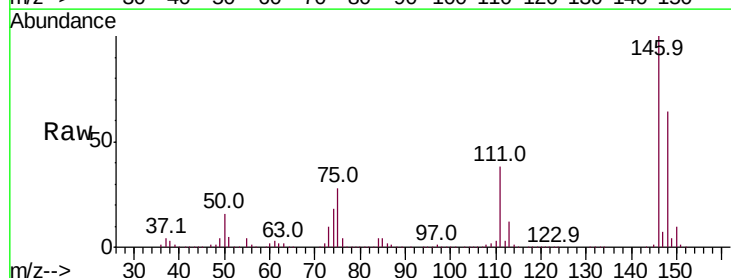
Tgt Ion:146 Resp: 432230

Ion Ratio Lower Upper

146 100

111 37.2 18.8 56.4

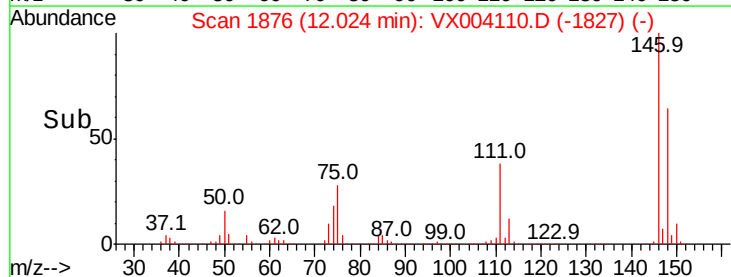
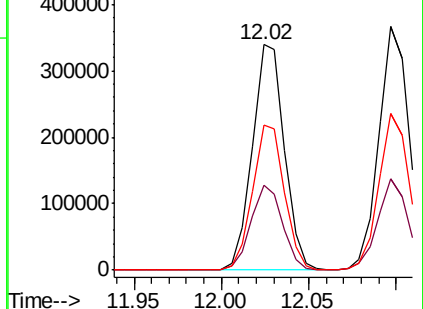
148 64.0 31.9 95.5

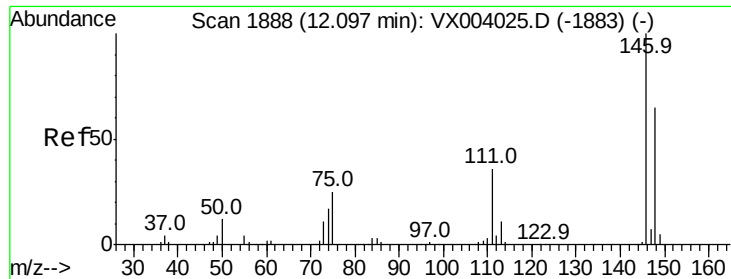


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 46.825 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampled :

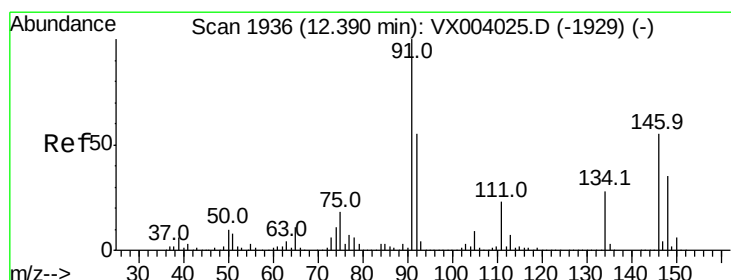
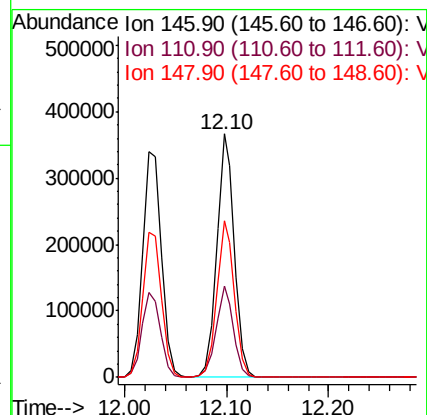
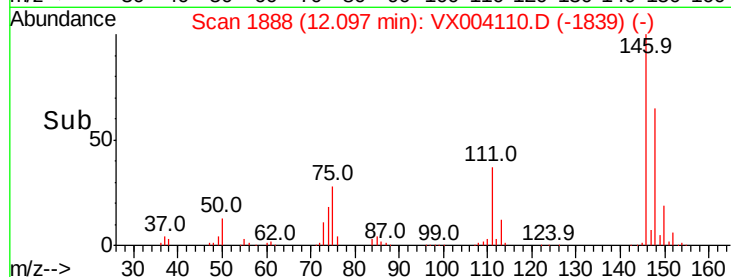
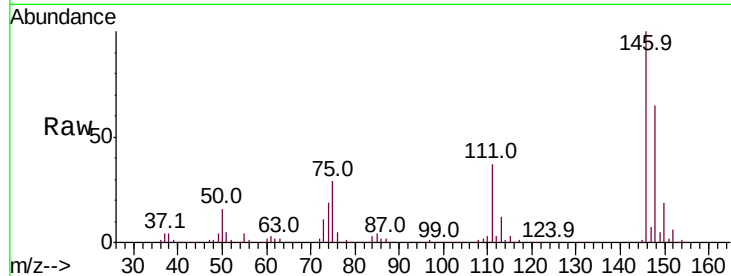
Tot Ion:146 Resp: 443589

Ion Ratio Lower Upper

146 100

111 36.9 18.4 55.0

148 64.6 32.3 96.8



#89

n-Butylbenzene

Concen: 49.258 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

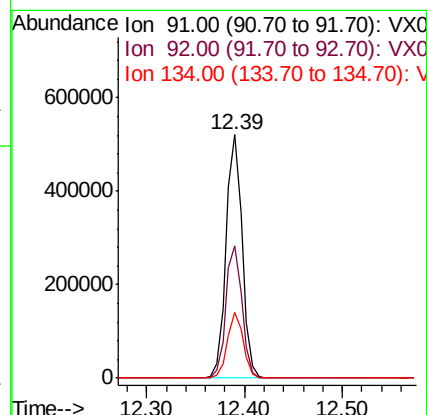
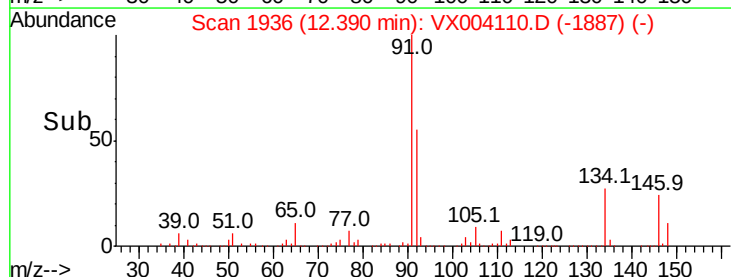
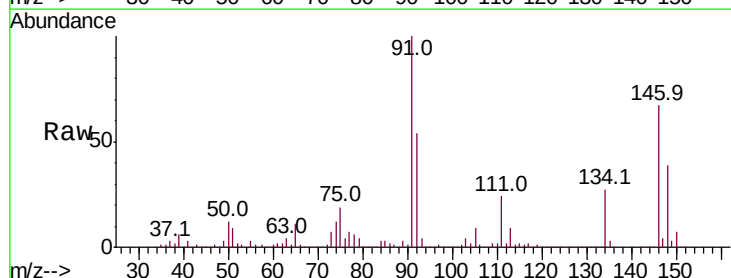
Tgt Ion: 91 Resp: 594420

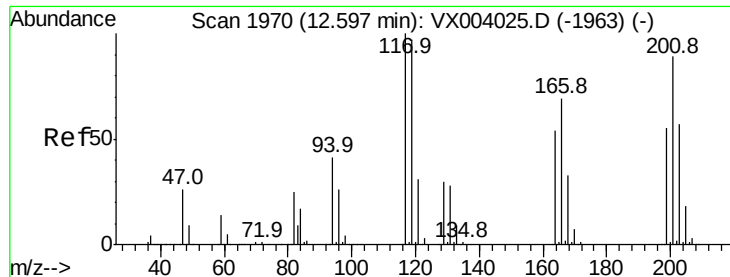
Ion Ratio Lower Upper

91 100

92 54.6 27.1 81.3

134 26.3 13.6 40.7





#90

Hexachloroethane

Concen: 47.167 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

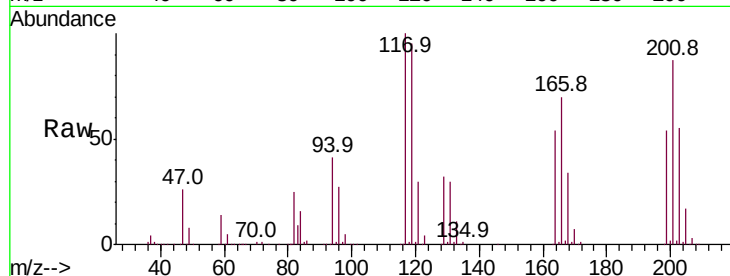
ClientSampled :

Tot Ion:117 Resp: 108081

Ion Ratio Lower Upper

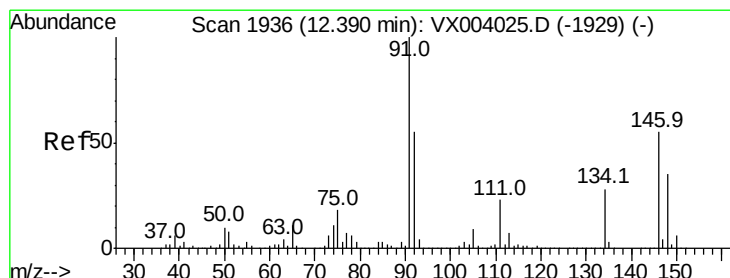
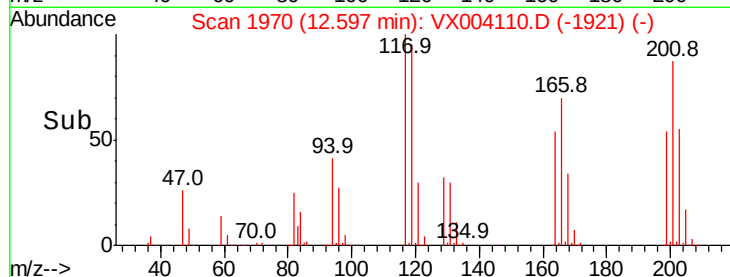
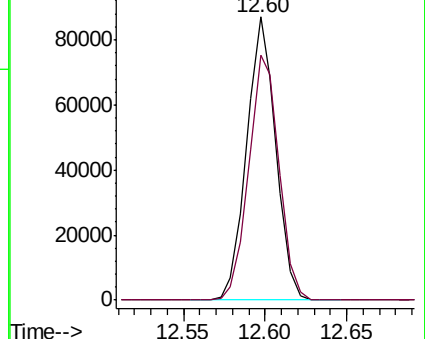
117 100

201 89.7 46.1 138.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 52.029 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

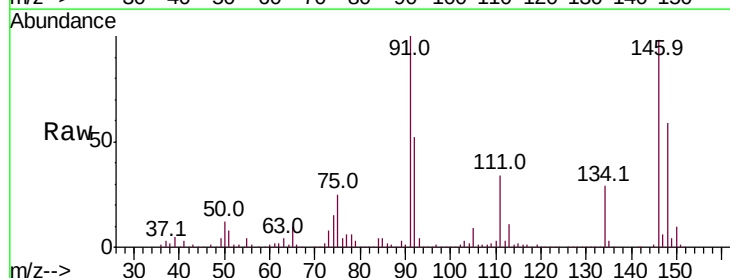
Tgt Ion:146 Resp: 431907

Ion Ratio Lower Upper

146 100

111 37.0 19.7 59.0

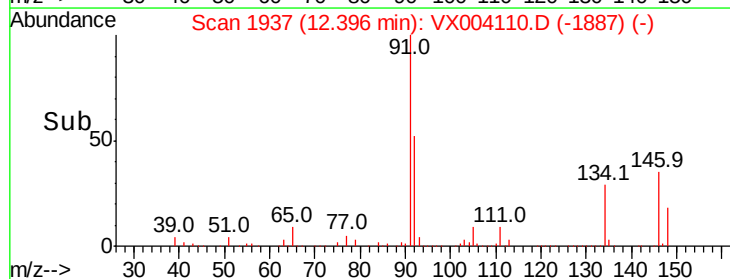
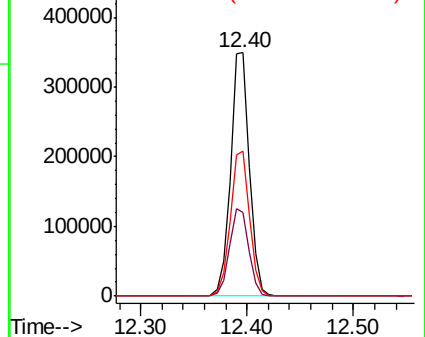
148 61.3 31.9 95.5

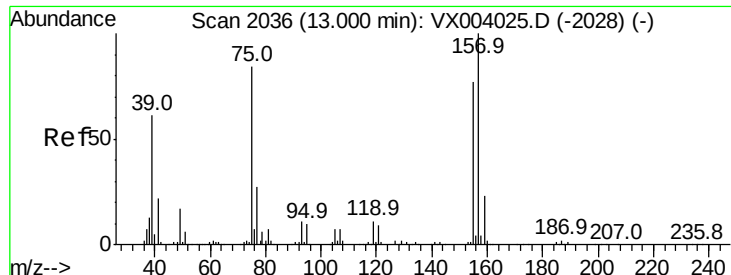


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 47.556 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

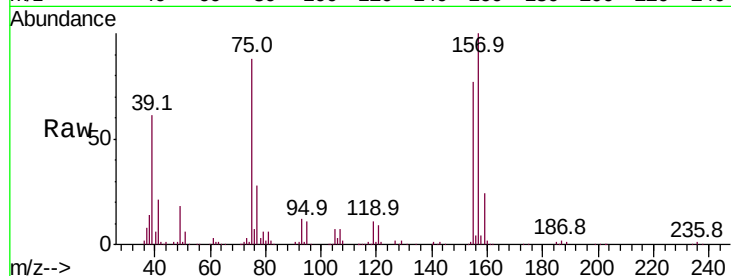
Tot Ion: 75 Resp: 51100

Ion Ratio Lower Upper

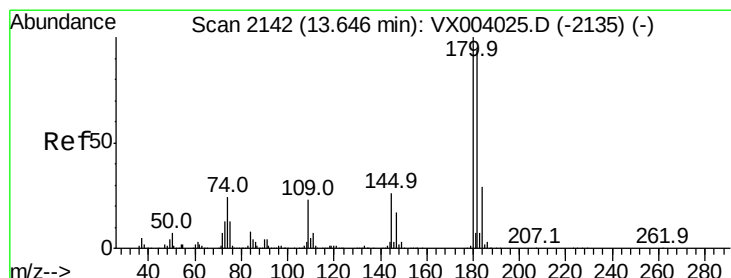
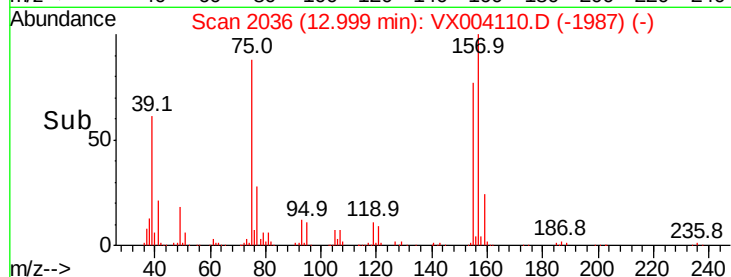
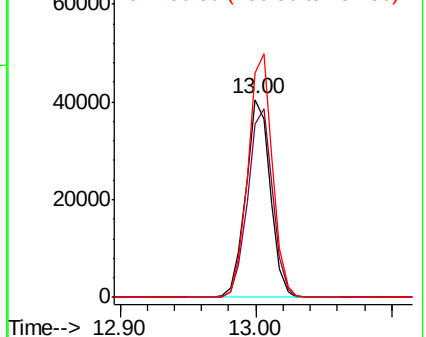
75 100

155 96.9 48.7 146.1

157 122.4 62.6 187.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 47.666 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

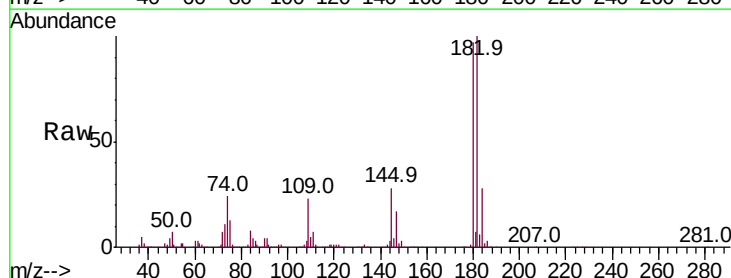
Tgt Ion:180 Resp: 270481

Ion Ratio Lower Upper

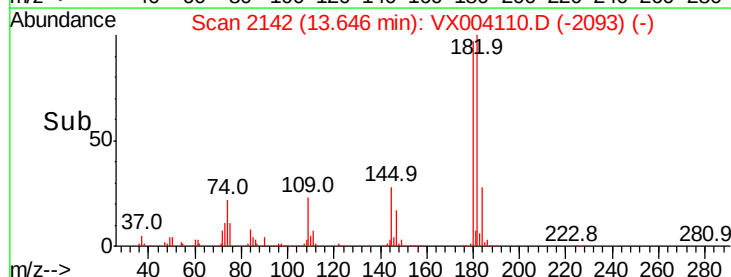
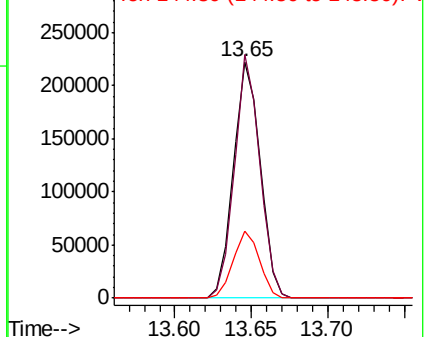
180 100

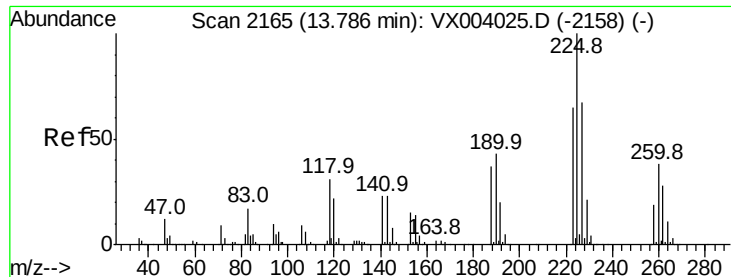
182 97.2 47.7 143.1

145 28.0 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 44.302 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampled :

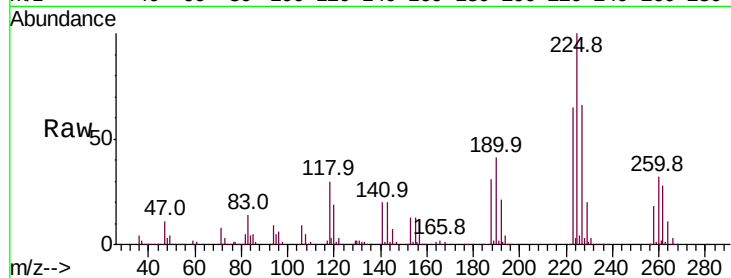
Tot Ion:225 Resp: 126015

Ion Ratio Lower Upper

225 100

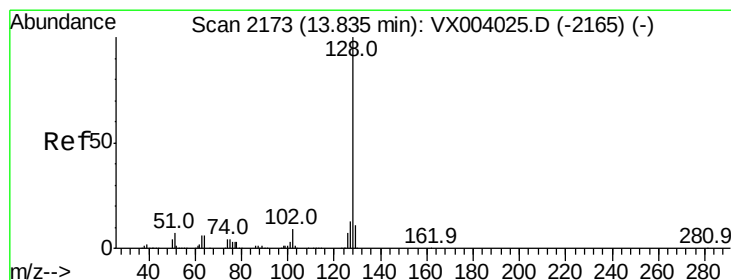
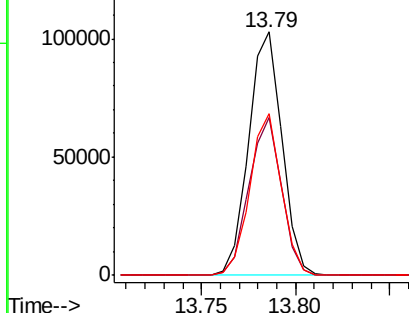
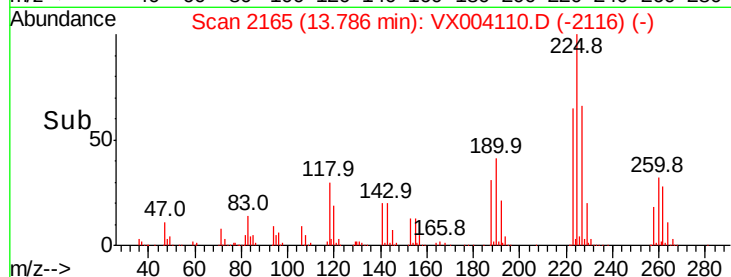
223 63.3 31.4 94.0

227 63.2 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

13.79



#95

Naphthalene

Concen: 49.840 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

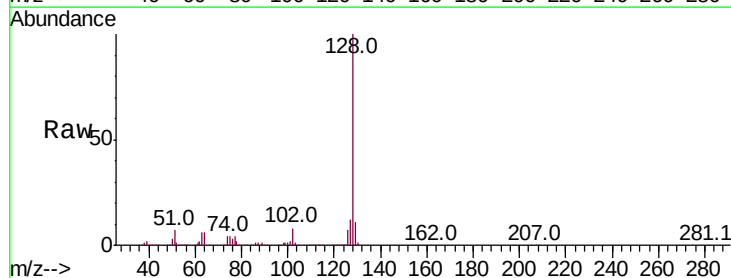
Tgt Ion:128 Resp: 901456

Ion Ratio Lower Upper

128 100

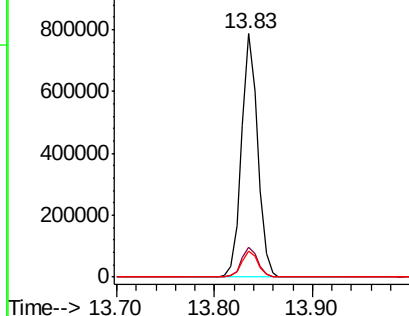
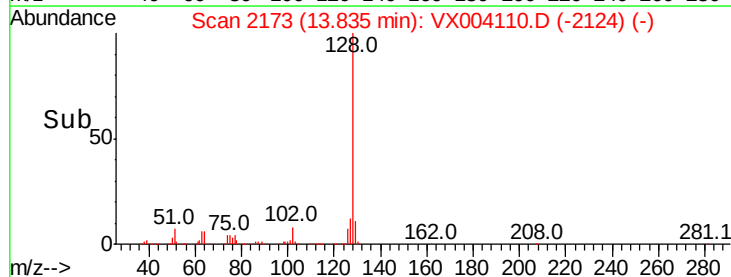
127 12.4 10.2 15.2

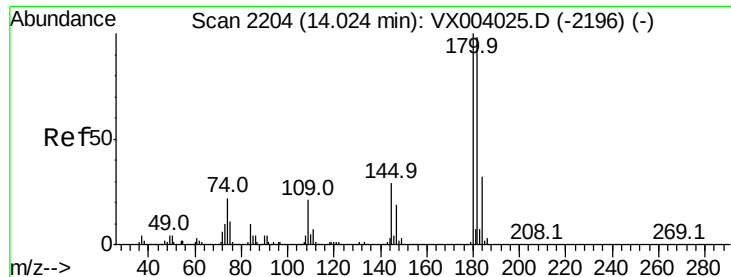
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

13.83





#96
 1,2,3-Trichlorobenzene
 Concen: 49.375 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.1	144.4
145	29.0	14.9	44.7

