

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004111.D
 Acq On : 16 Aug 2018 09:20
 Operator : JC/MD
 Sample : J4495-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 16 14:06:05 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	288897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	443117	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	256361	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	213693	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
35) Dibromofluoromethane	5.50	113	175944	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
50) Toluene-d8	8.72	98	684976	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.14	95	250343	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	136134	48.408	ug/l	98
3) Chloromethane	1.32	50	167926	48.659	ug/l	98
4) Vinyl Chloride	1.40	62	190297	50.964	ug/l	99
5) Bromomethane	1.64	94	103636	54.787	ug/l	100
6) Chloroethane	1.72	64	128815	52.537	ug/l	98
7) Trichlorofluoromethane	1.93	101	251454	48.006	ug/l	99
8) Diethyl Ether	2.18	74	115230	50.391	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	151743	46.437	ug/l	100
10) Methyl Iodide	2.51	142	180993	51.674	ug/l	100
11) Tert butyl alcohol	3.04	59	178637	217.935	ug/l	100
12) 1,1-Dichloroethene	2.38	96	149519	49.198	ug/l	96
13) Acrolein	2.29	56	113594	206.264	ug/l	99
14) Allyl chloride	2.73	41	257852	44.590	ug/l	96
15) Acrylonitrile	3.14	53	500546	244.922	ug/l	100
16) Acetone	2.43	43	507721	239.910	ug/l	99
17) Carbon Disulfide	2.57	76	416777	48.349	ug/l	100
18) Methyl Acetate	2.77	43	232747	49.490	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	552055	51.557	ug/l	100
20) Methylene Chloride	2.86	84	180316	52.156	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	167176	48.435	ug/l	99
22) Diisopropyl ether	3.86	45	602989	53.214	ug/l	# 89
23) Vinyl Acetate	3.82	43	2496605	268.250	ug/l	99
24) 1,1-Dichloroethane	3.70	63	335424	52.261	ug/l	100
25) 2-Butanone	4.70	43	833160	241.961	ug/l	98
26) 2,2-Dichloropropane	4.58	77	106659	20.902	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	209611	54.006	ug/l	92
28) Bromochloromethane	5.02	49	161044	54.689	ug/l	98
29) Tetrahydrofuran	5.15	42	430364	244.629	ug/l	99
30) Chloroform	5.21	83	328842	52.497	ug/l	98
31) Cyclohexane	5.57	56	273247	48.563	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	271649	51.896	ug/l	99
36) 1,1-Dichloropropene	5.80	75	242293	48.052	ug/l	100
37) Ethyl Acetate	4.85	43	254600	46.367	ug/l	99
38) Carbon Tetrachloride	5.78	117	239762	48.941	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	266605	46.606	ug/l	99
40) Benzene	6.14	78	751478	49.632	ug/l	99
41) Methacrylonitrile	5.06	41	142352	46.289	ug/l	99
42) 1,2-Dichloroethane	6.20	62	262488	49.526	ug/l	100
43) Isopropyl Acetate	6.46	43	395181	48.826	ug/l	99
44) Trichloroethene	7.21	130	197933	48.154	ug/l	92
45) 1,2-Dichloropropane	7.52	63	195205	50.362	ug/l	99
46) Dibromomethane	7.67	93	127435	50.310	ug/l	98
47) Bromodichloromethane	7.90	83	244951	51.059	ug/l	99
48) Methyl methacrylate	7.78	41	208842	51.258	ug/l	97
49) 1,4-Dioxane	7.76	88	76101	829.617	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1697791	255.829	ug/l	100
52) Toluene	8.79	92	483163	50.457	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	240376	46.381	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	254522	44.346	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	194990	49.310	ug/l	99
56) Ethyl methacrylate	9.18	69	288821	53.711	ug/l	99
57) 1,3-Dichloropropane	9.37	76	329303	50.192	ug/l	100
59) 2-Hexanone	9.50	43	1287983	257.873	ug/l	99
60) Dibromochloromethane	9.59	129	195998	51.505	ug/l	99
61) 1,2-Dibromoethane	9.68	107	202839	50.318	ug/l	100
64) Tetrachloroethene	9.34	164	181804	46.088	ug/l	95
65) Chlorobenzene	10.14	112	519282	48.300	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	186918	50.975	ug/l	100
67) Ethyl Benzene	10.26	91	890018	52.278	ug/l	98
68) m/p-Xylenes	10.36	106	659248	98.887	ug/l	99
69) o-Xylene	10.70	106	336541	52.822	ug/l	95
70) Styrene	10.71	104	555860	51.841	ug/l	98
71) Bromoform	10.86	173	151727	52.181	ug/l	98
73) Isopropylbenzene	11.02	105	914515	52.714	ug/l	97
74) N-amyl acetate	6.46	43	395181	48.429	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	303455	50.088	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	319804	62.205	ug/l	84
77) Bromobenzene	11.26	156	243576	50.932	ug/l	99
78) n-propylbenzene	11.36	91	975555	50.248	ug/l	100
79) 2-Chlorotoluene	11.42	91	586320	49.555	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	743811	52.361	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	66258	39.895	ug/l	98
82) 4-Chlorotoluene	11.51	91	689291	49.285	ug/l	100
83) tert-Butylbenzene	11.77	119	733064	51.182	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	762041	51.796	ug/l	98
85) sec-Butylbenzene	11.94	105	855801	51.052	ug/l	99
86) p-Isopropyltoluene	12.07	119	796908	52.512	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	436498	47.855	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	440855	46.962	ug/l	99
89) n-Butylbenzene	12.39	91	607648	50.814	ug/l	98
90) Hexachloroethane	12.60	117	110106	48.490	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	409985	49.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52923	49.703	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	288789	51.358	ug/l	99

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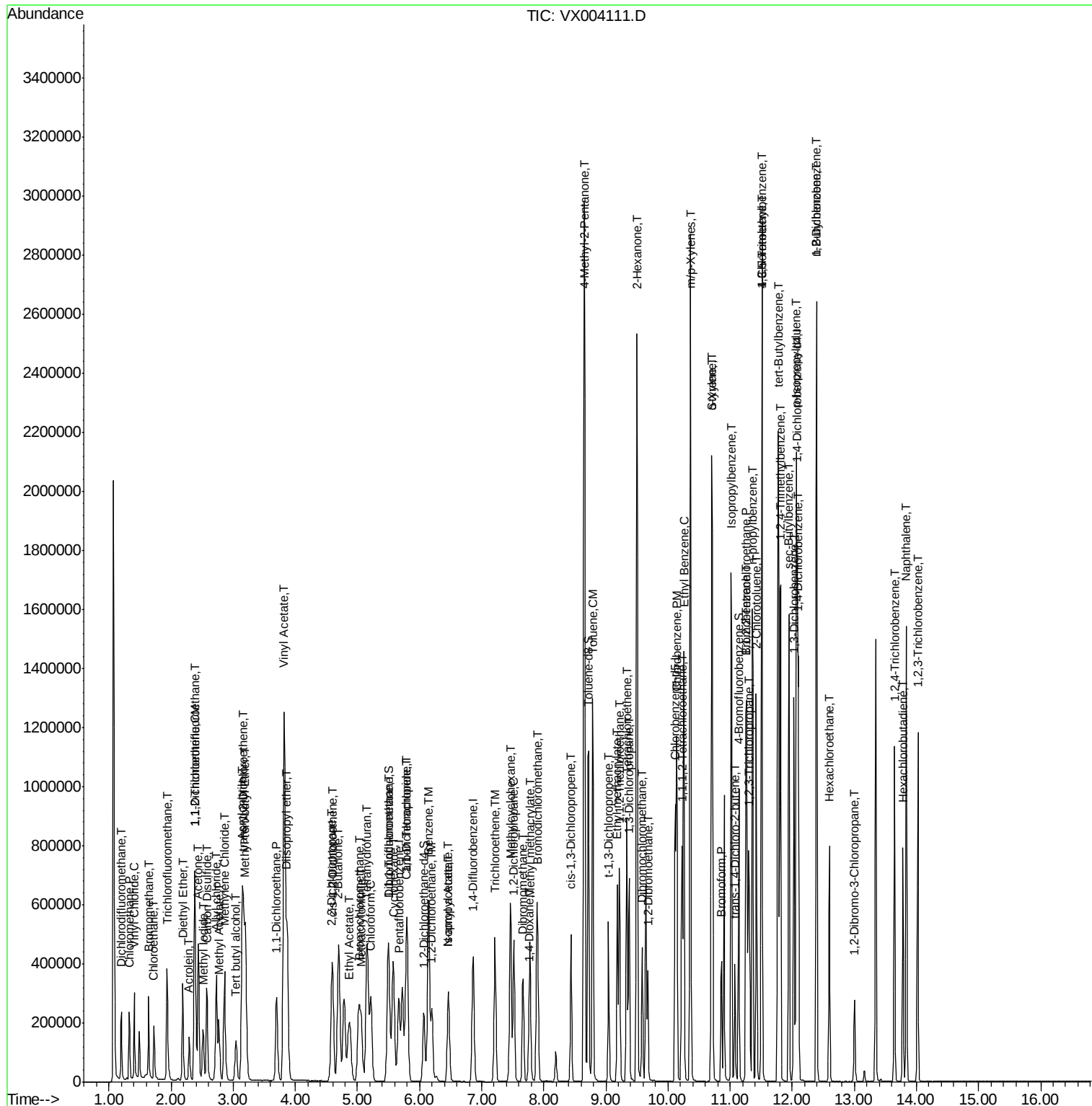
Instrument :
MSVOA_X
ClientSampleId :

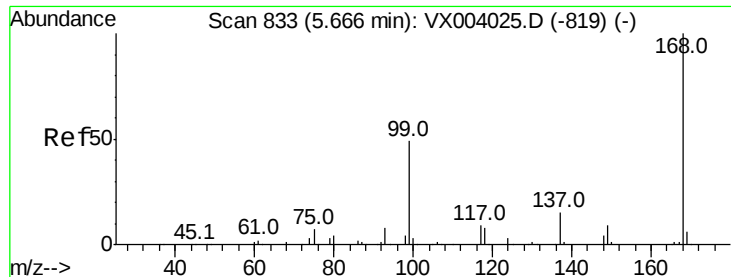
Quant Time: Aug 16 14:06:05 2018
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	125876	44.658	ug/l	99
95) Naphthalene	13.83	128	942703	52.534	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	308745	50.353	ug/l	98

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

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

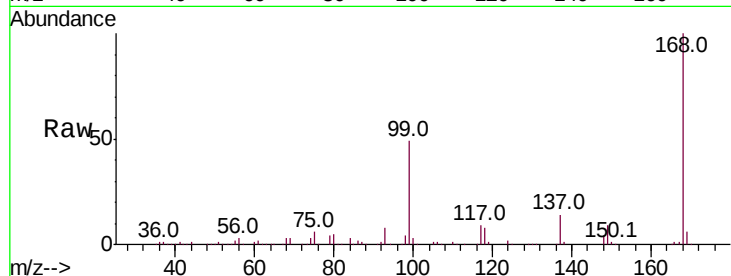
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 288897

Ion Ratio Lower Upper

168 100

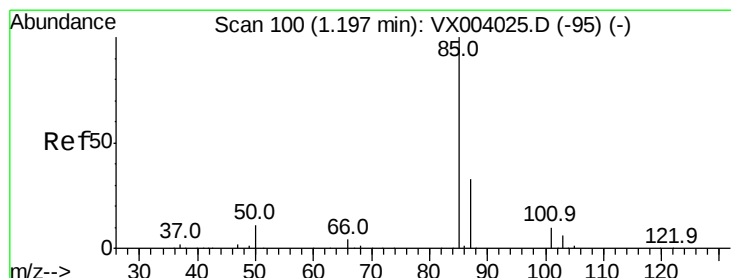
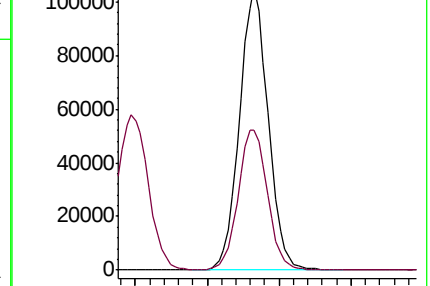
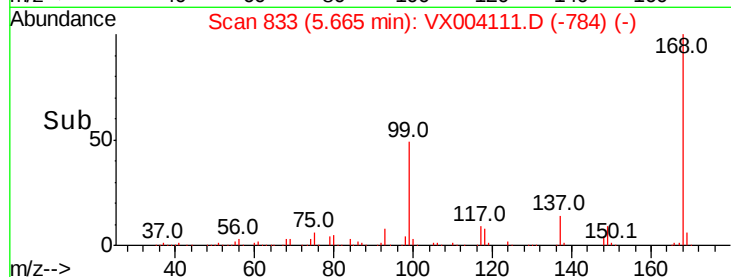
99 49.2 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67



#2

Dichlorodifluoromethane

Concen: 48.408 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004111.D

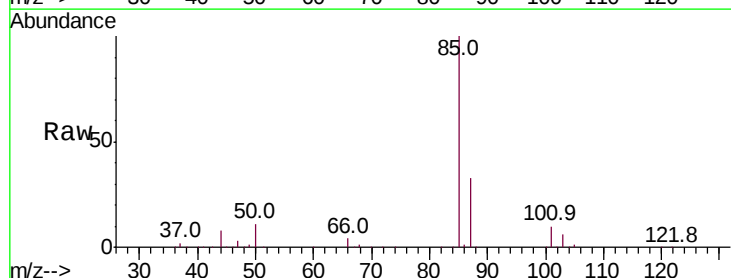
Acq: 16 Aug 2018 09:20

Tgt Ion: 85 Resp: 136134

Ion Ratio Lower Upper

85 100

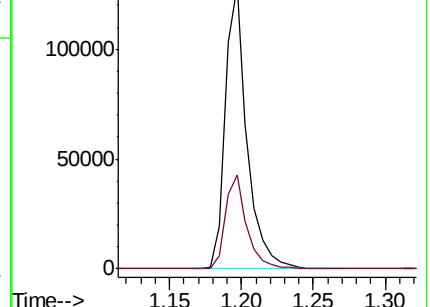
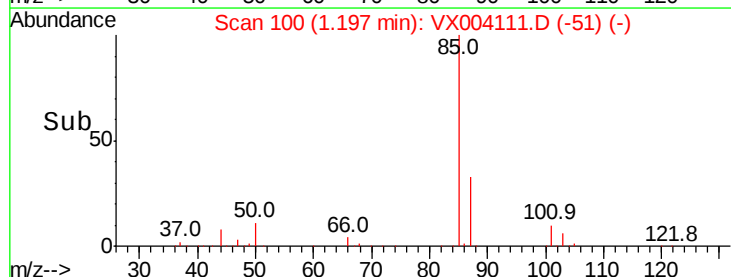
87 33.1 16.0 48.0

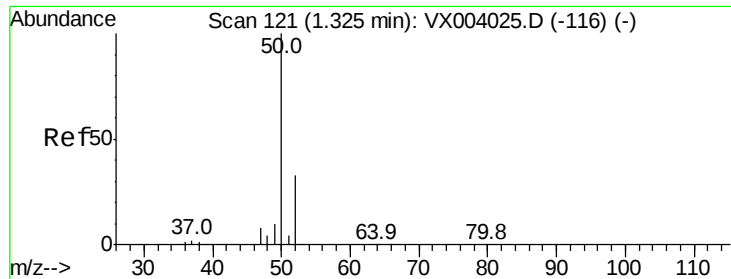


Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20





#3

Chloromethane

Concen: 48.659 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

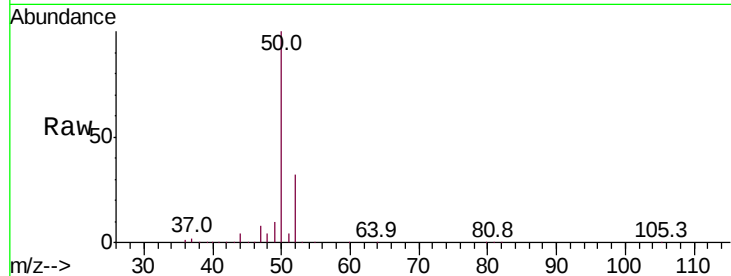
ClientSampled :

Tot Ion: 50 Resp: 167926

Ion Ratio Lower Upper

50 100

52 32.0 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

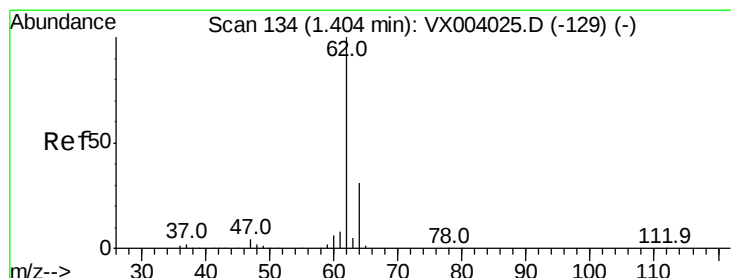
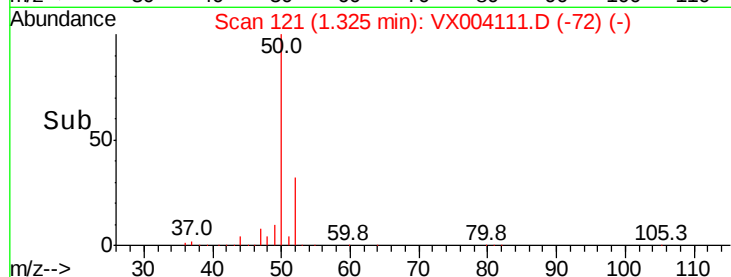
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 50.964 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004111.D

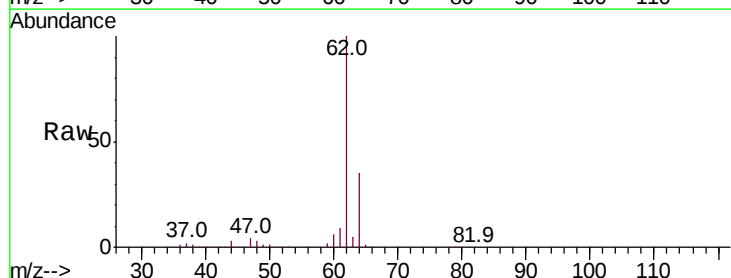
Acq: 16 Aug 2018 09:20

Tgt Ion: 62 Resp: 190297

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

200000

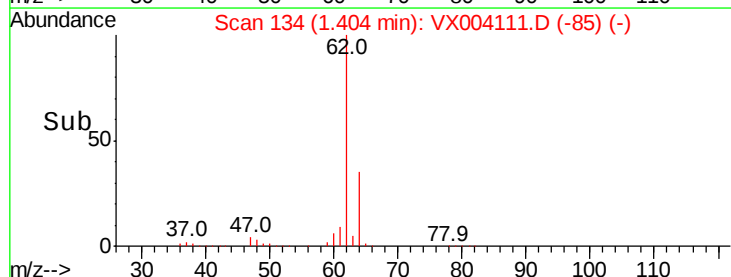
150000

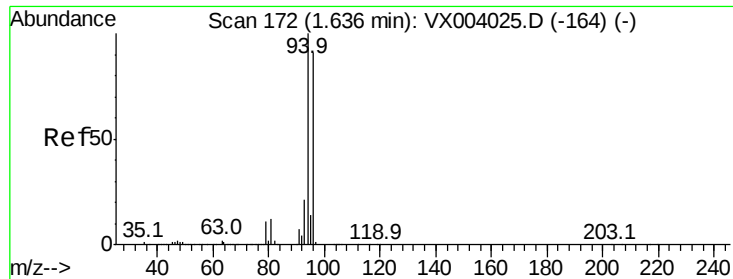
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 54.787 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

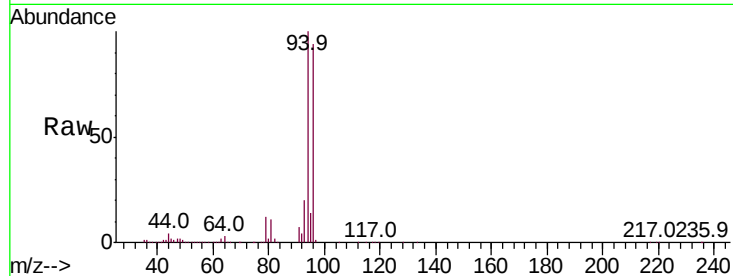
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 103636

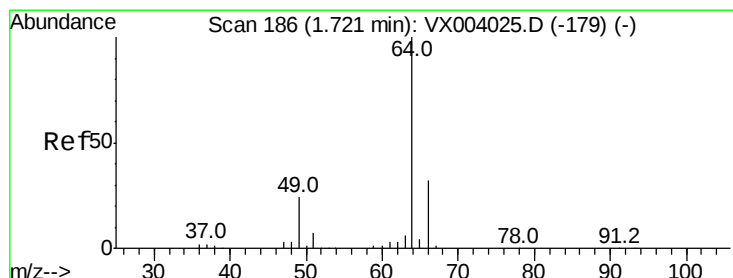
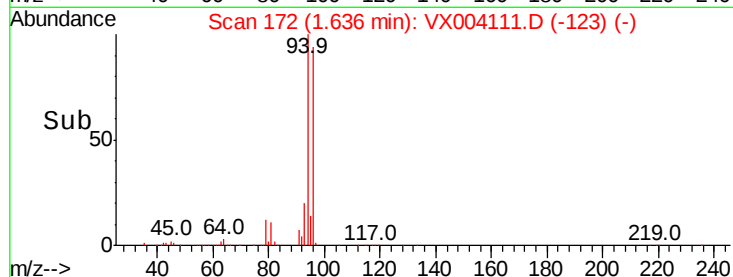
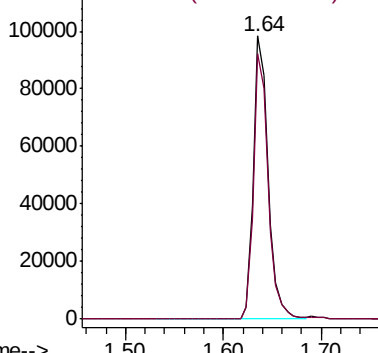
Ion Ratio Lower Upper

94 100

96 93.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.537 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX004111.D

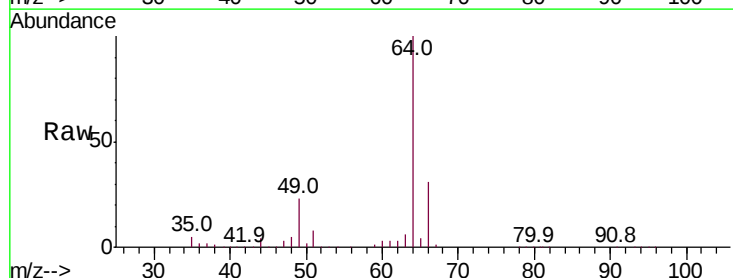
Acq: 16 Aug 2018 09:20

Tgt Ion: 64 Resp: 128815

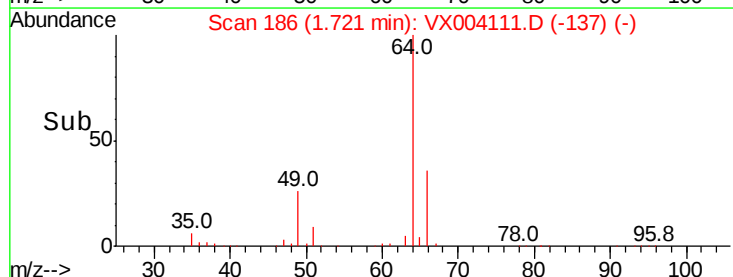
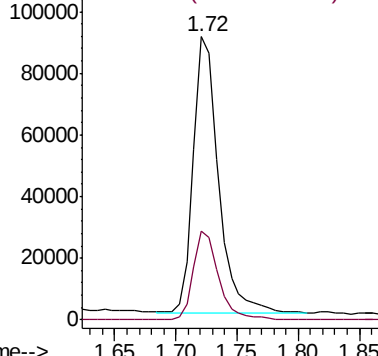
Ion Ratio Lower Upper

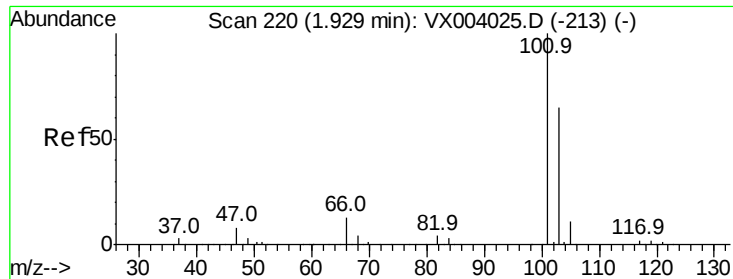
64 100

66 31.9 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



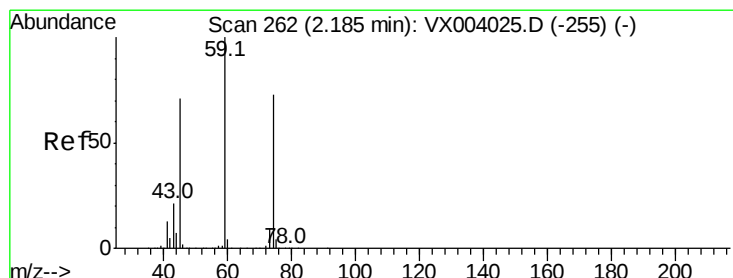
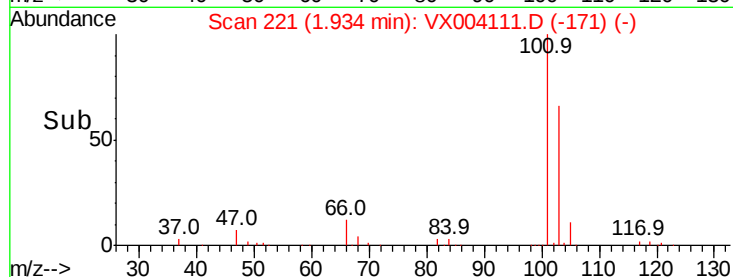
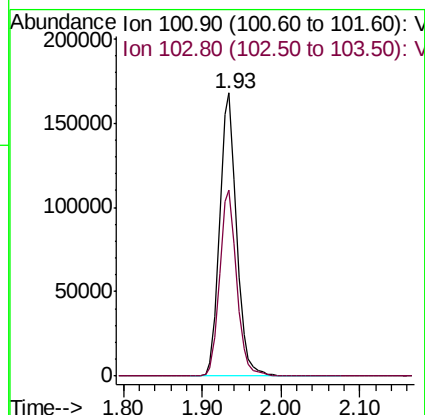
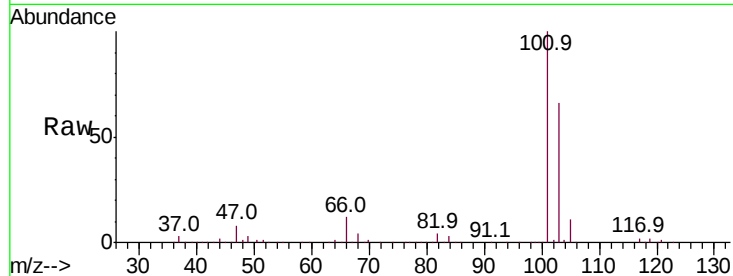


#7

Trichlorofluoromethane
 Concen: 48.006 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :

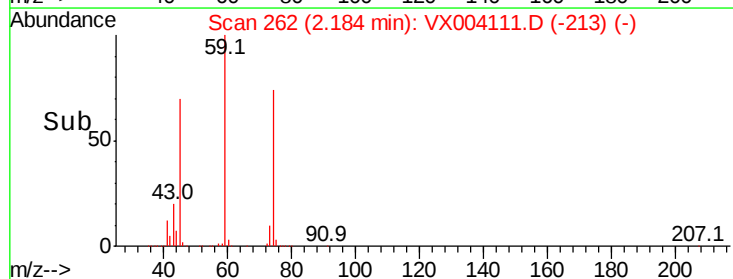
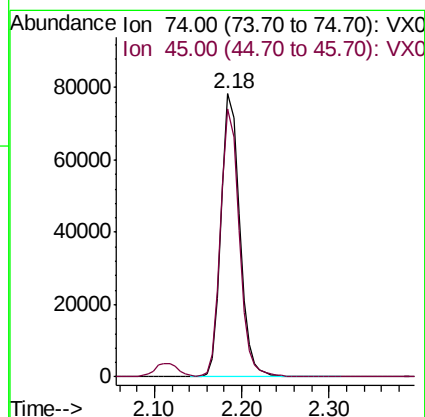
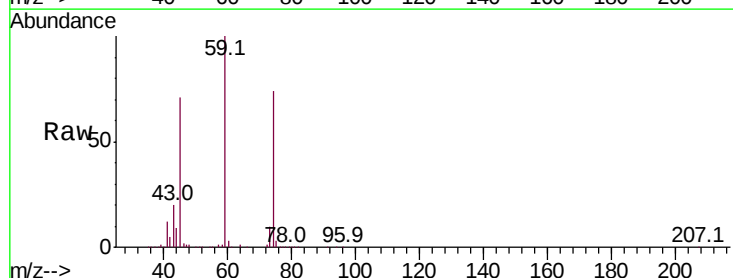
Tot Ion:101 Resp: 251454
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.3 78.5

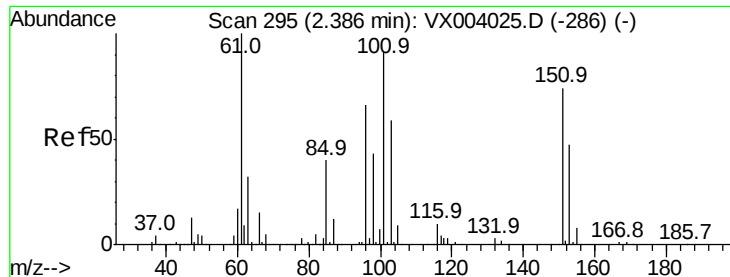


#8

Diethyl Ether
 Concen: 50.391 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Tgt Ion: 74 Resp: 115230
 Ion Ratio Lower Upper
 74 100
 45 94.4 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.437 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

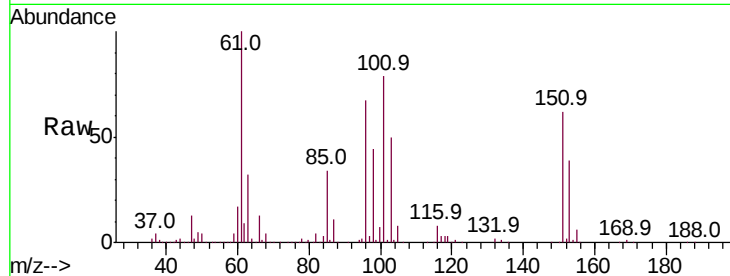
Tot Ion:101 Resp: 151743

Ion Ratio Lower Upper

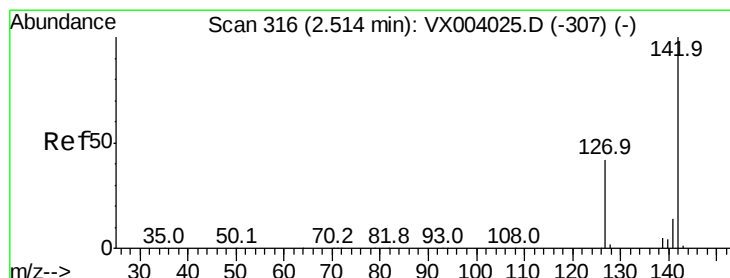
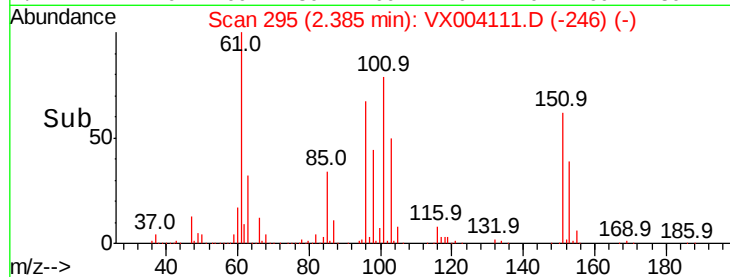
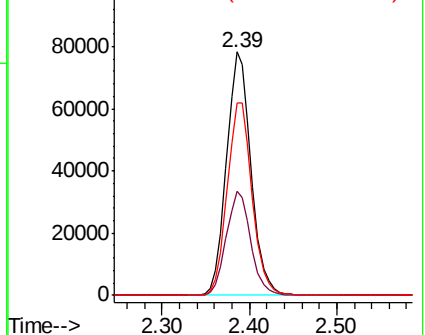
101 100

85 42.7 34.2 51.4

151 81.1 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: 51.674 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

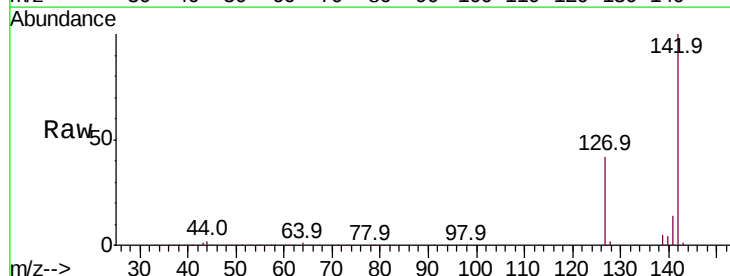
Tgt Ion:142 Resp: 180993

Ion Ratio Lower Upper

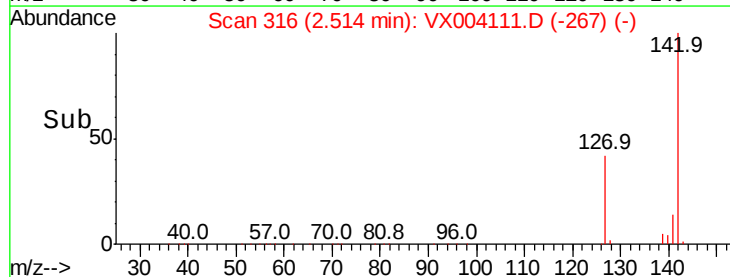
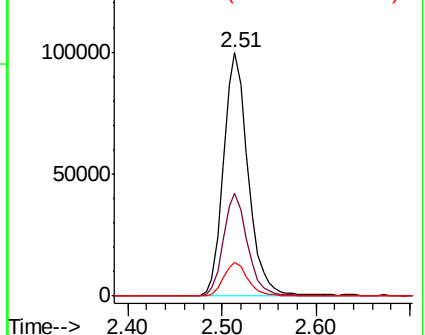
142 100

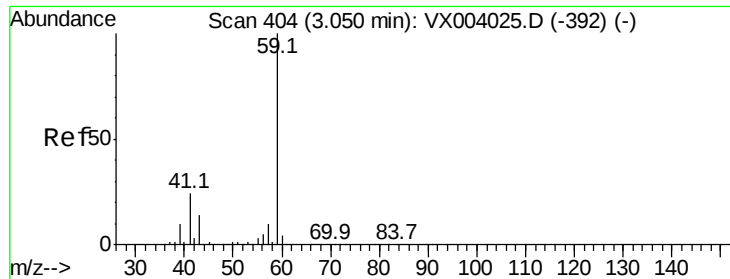
127 41.6 33.1 49.7

141 14.0 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



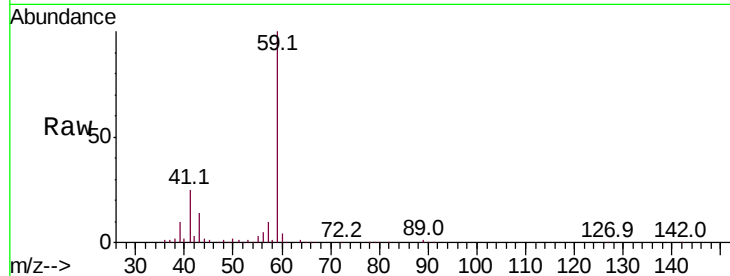


#11

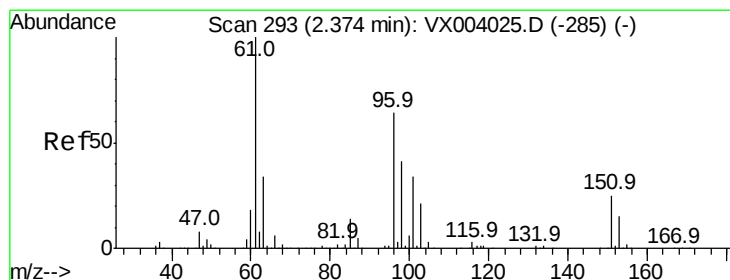
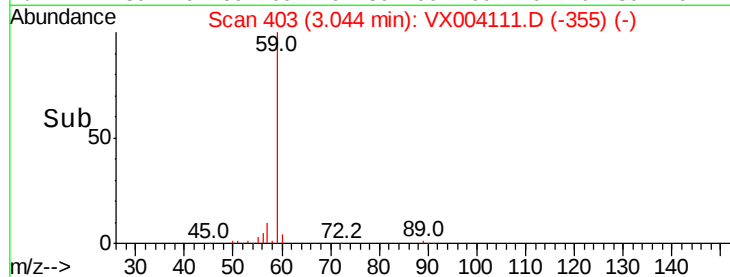
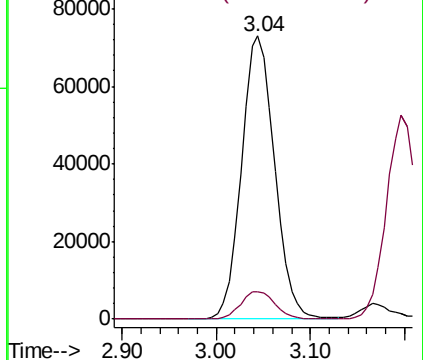
Tert butyl alcohol
Concen: 217.935 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.01 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 59 Resp: 178637
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1



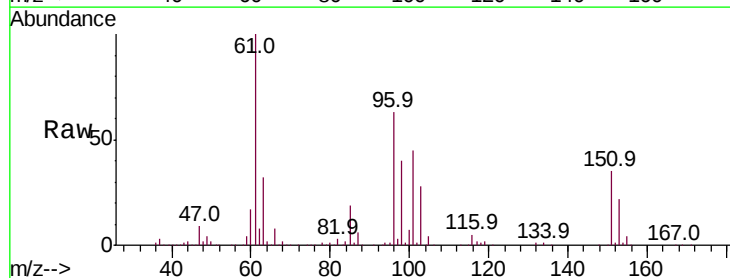
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



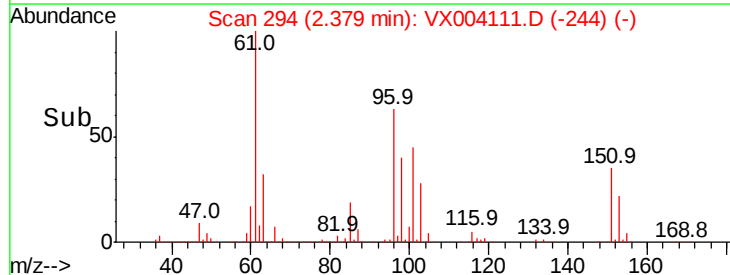
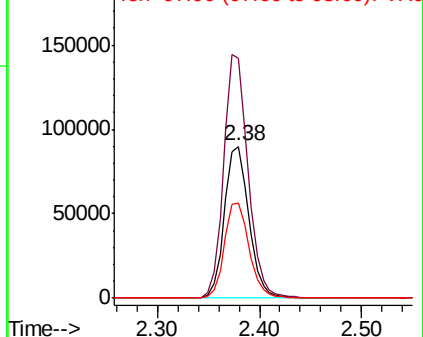
#12

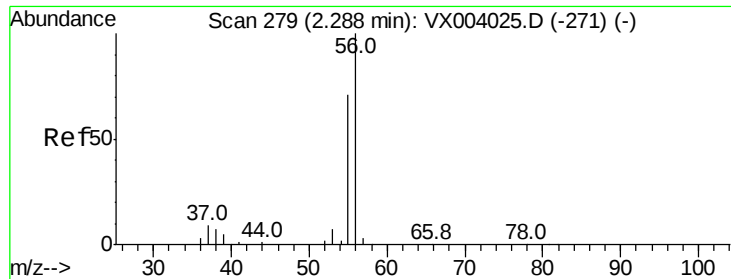
1,1-Dichloroethene
Concen: 49.198 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Tgt Ion: 96 Resp: 149519
Ion Ratio Lower Upper
96 100
61 158.0 131.3 196.9
98 63.1 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





#13

Acrolein

Concen: 206.264 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

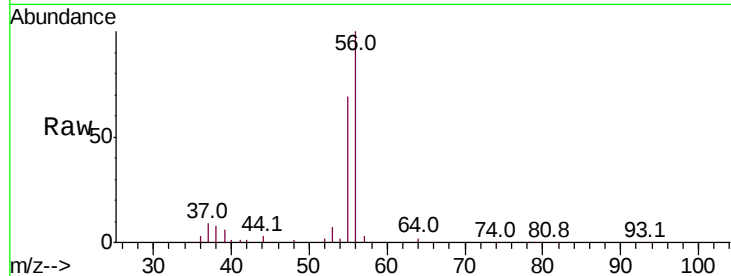
ClientSampleId :

Tot Ion: 56 Resp: 113594

Ion Ratio Lower Upper

56 100

55 69.3 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80000

60000

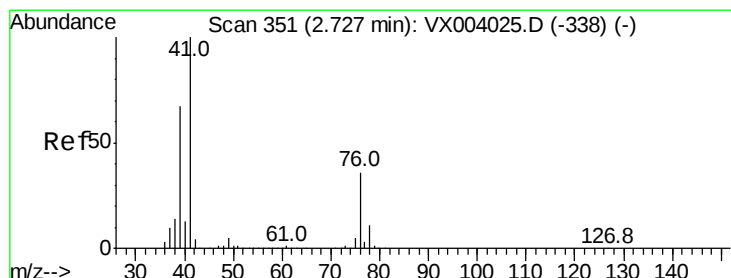
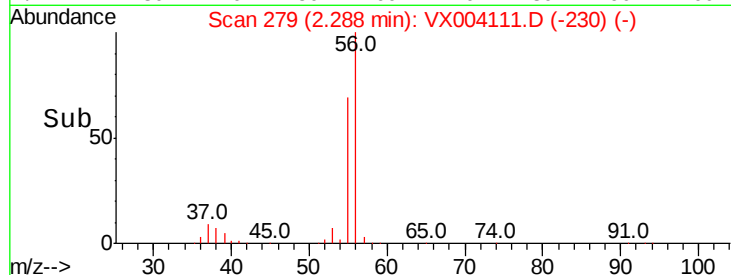
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 44.590 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

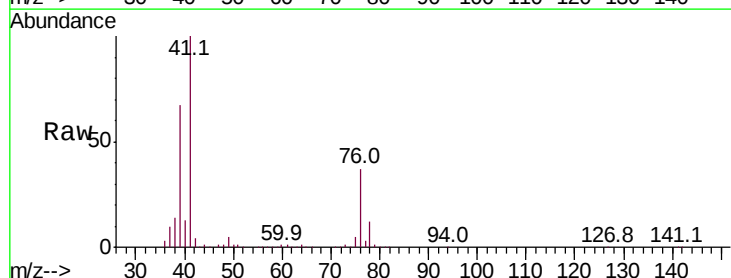
Tgt Ion: 41 Resp: 257852

Ion Ratio Lower Upper

41 100

39 62.4 47.4 71.0

76 34.5 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

300000

250000

200000

150000

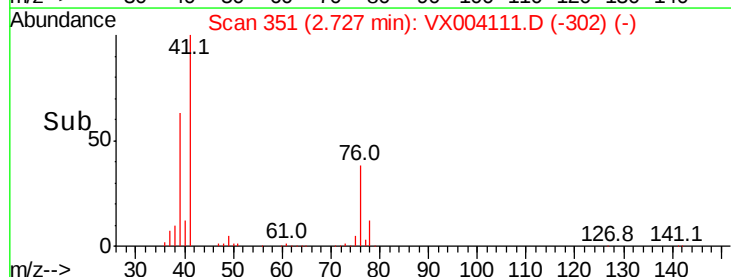
100000

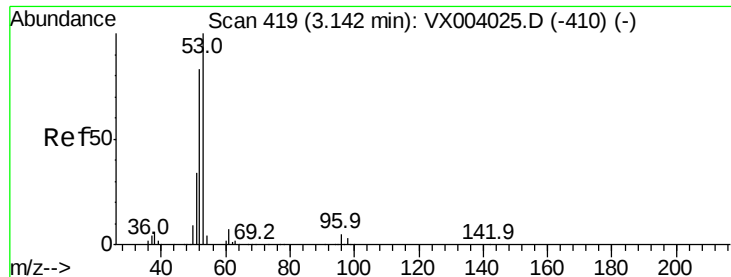
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 244.922 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

ClientSampled :

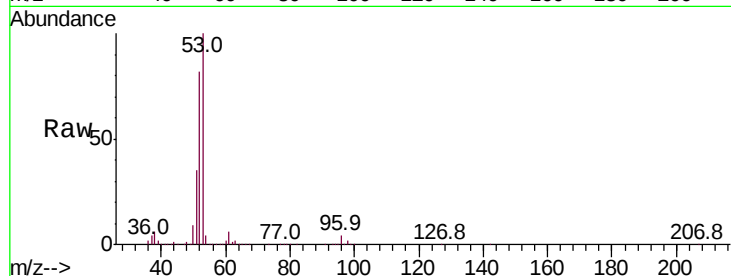
Tot Ion: 53 Resp: 500546

Ion Ratio Lower Upper

53 100

52 81.8 65.3 97.9

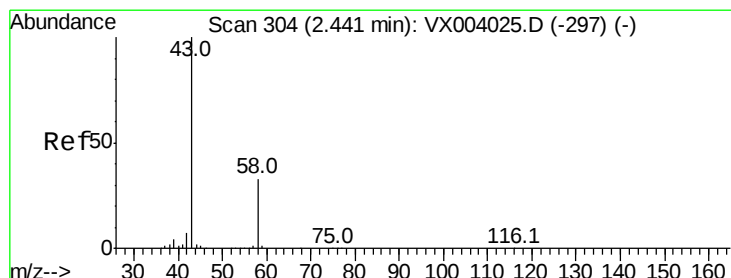
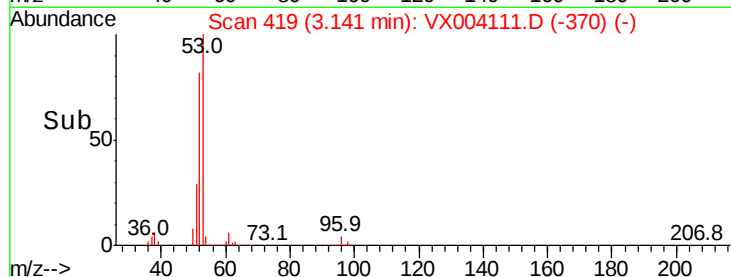
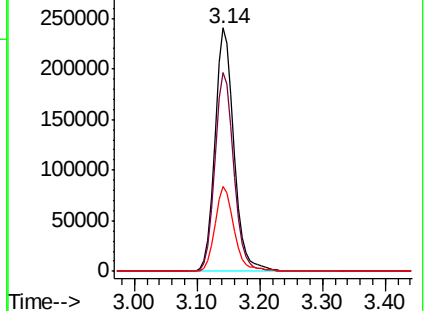
51 35.2 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 239.910 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004111.D

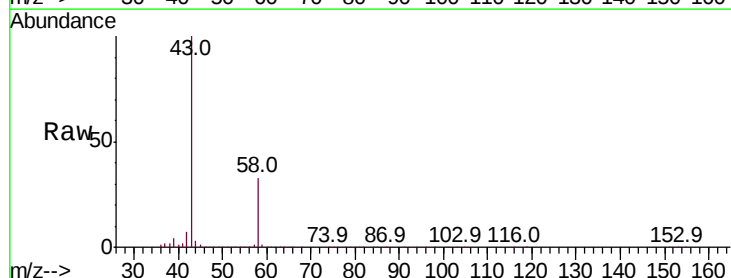
Acq: 16 Aug 2018 09:20

Tgt Ion: 43 Resp: 507721

Ion Ratio Lower Upper

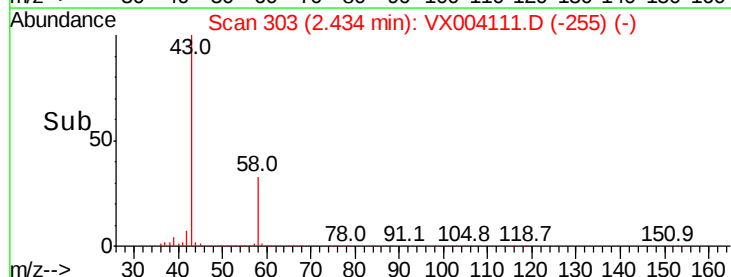
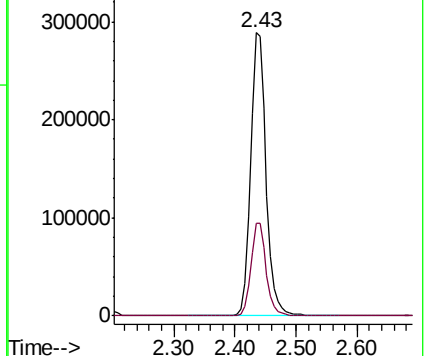
43 100

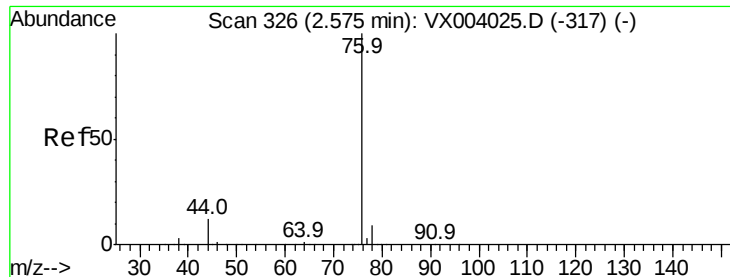
58 32.6 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

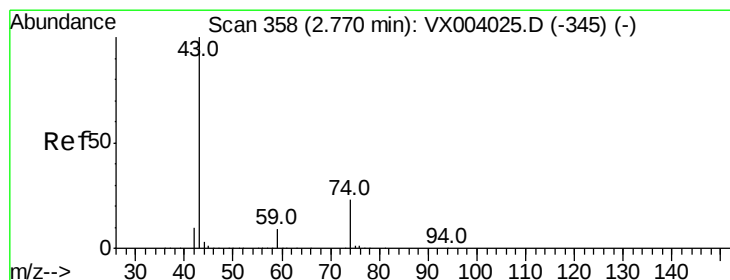
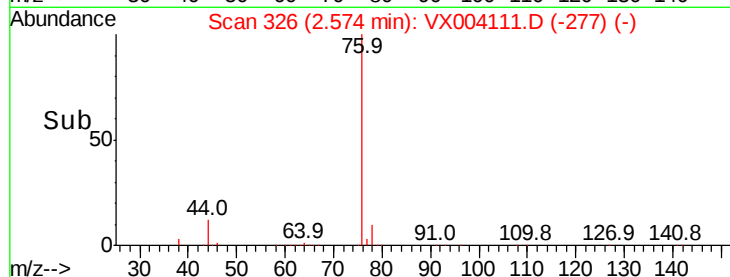
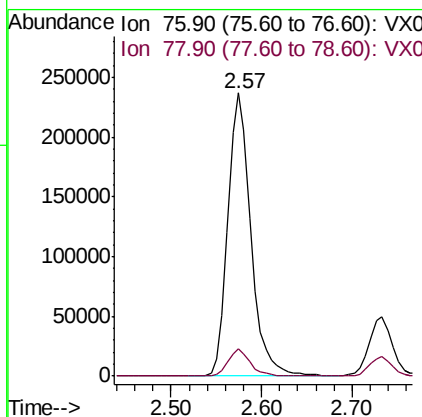
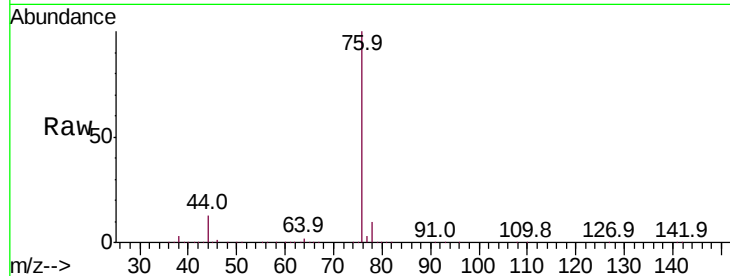




#17
Carbon Disulfide
Concen: 48.349 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

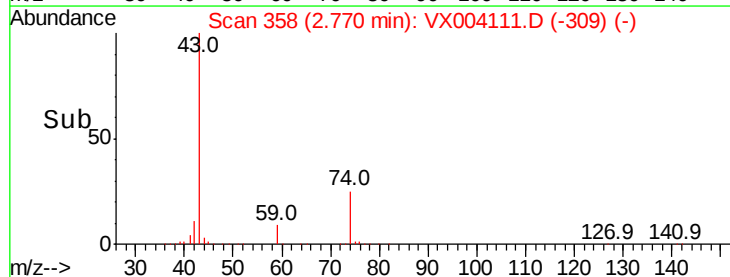
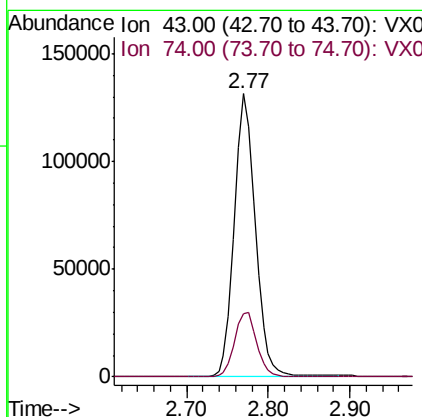
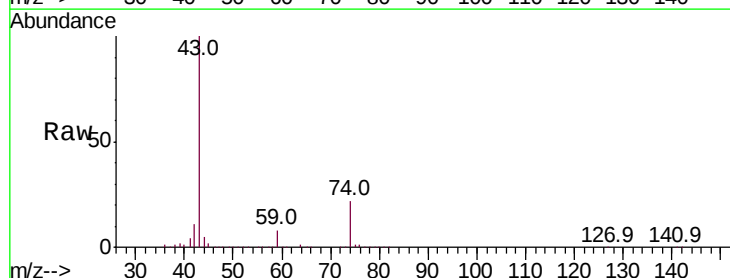
Instrument :
MSVOA_X
ClientSampled :

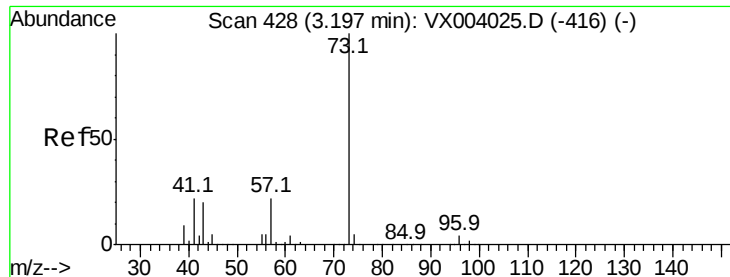
Tot Ion: 76 Resp: 416777
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3



#18
Methyl Acetate
Concen: 49.490 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Tgt Ion: 43 Resp: 232747
Ion Ratio Lower Upper
43 100
74 24.4 18.9 28.3

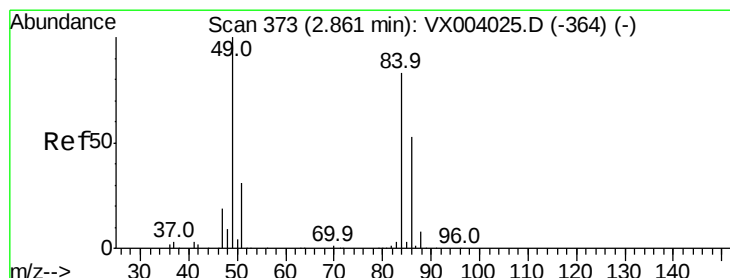
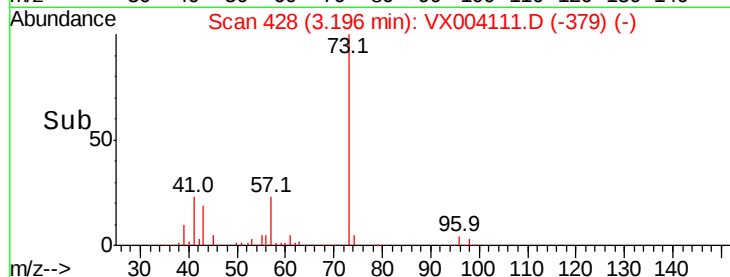
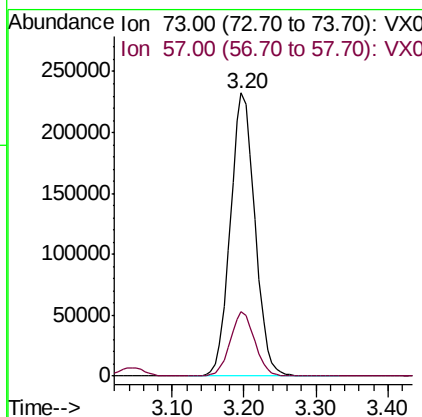
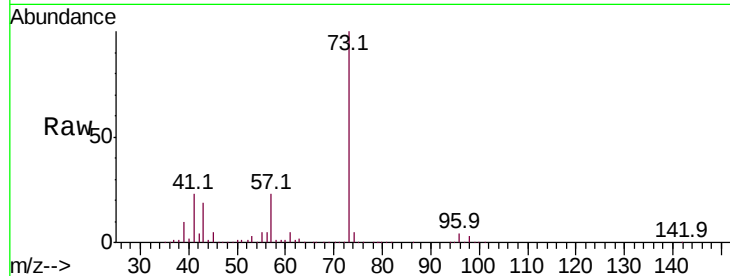




#19
Methyl tert-butyl Ether
Concen: 51.557 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

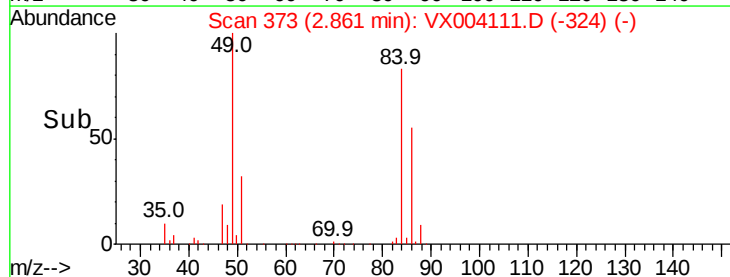
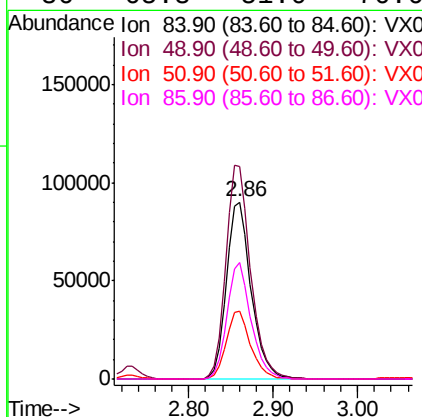
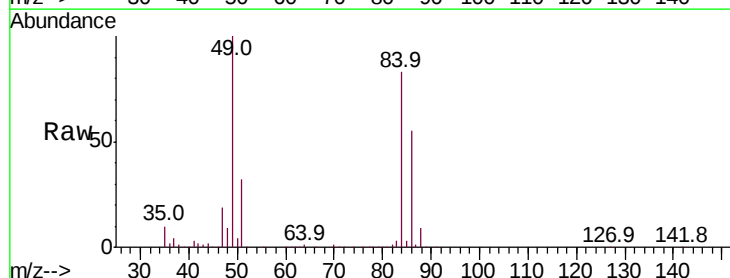
Instrument :
MSVOA_X
ClientSampleId :

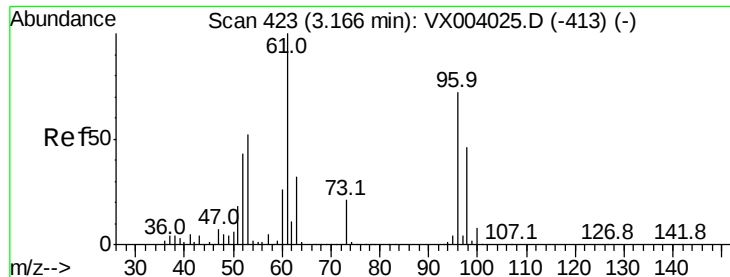
Tot Ion: 73 Resp: 552055
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0



#20
Methylene Chloride
Concen: 52.156 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Tgt Ion: 84 Resp: 180316
Ion Ratio Lower Upper
84 100
49 120.5 98.9 148.3
51 38.2 29.9 44.9
86 65.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.435 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :

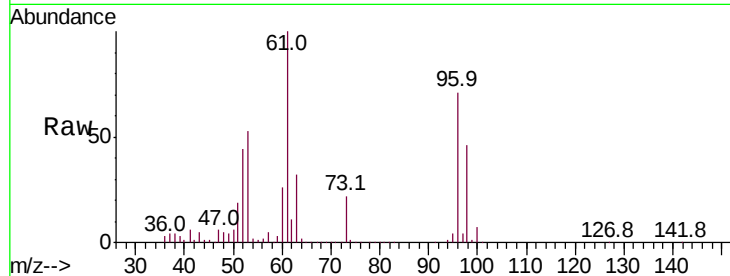
Tot Ion: 96 Resp: 167176

Ion Ratio Lower Upper

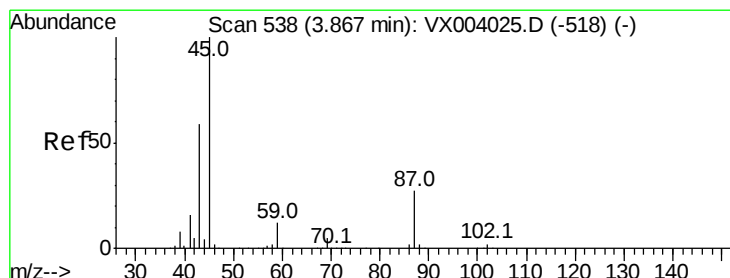
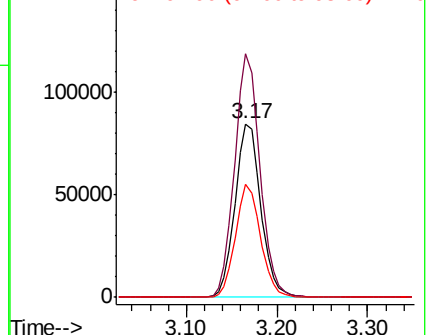
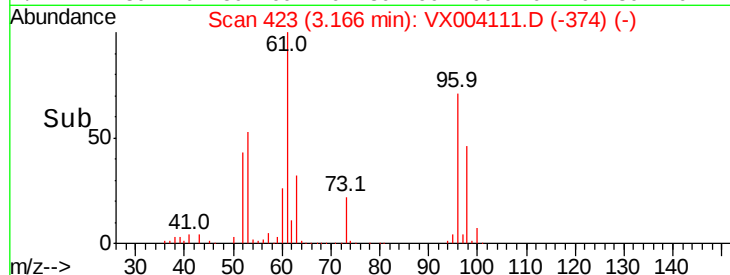
96 100

61 140.4 111.8 167.6

98 65.2 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: 53.214 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Tgt Ion: 45 Resp: 602989

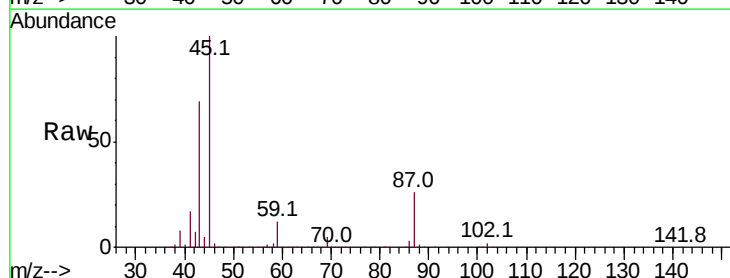
Ion Ratio Lower Upper

45 100

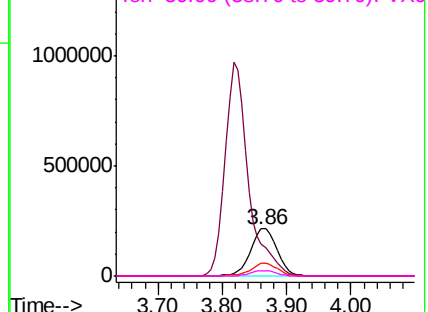
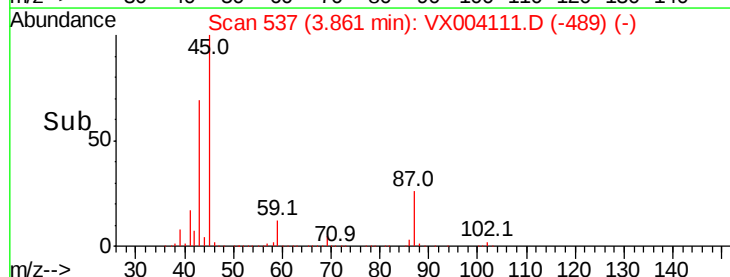
43 68.7 45.3 67.9#

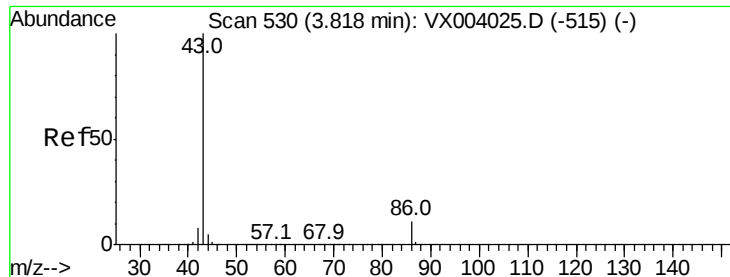
87 25.8 22.7 34.1

59 11.8 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

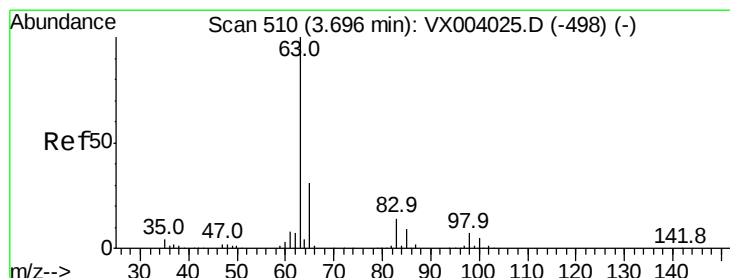
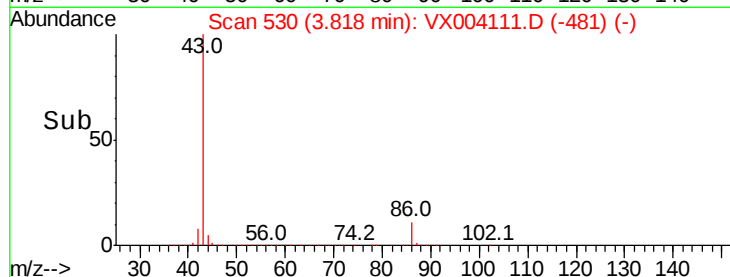
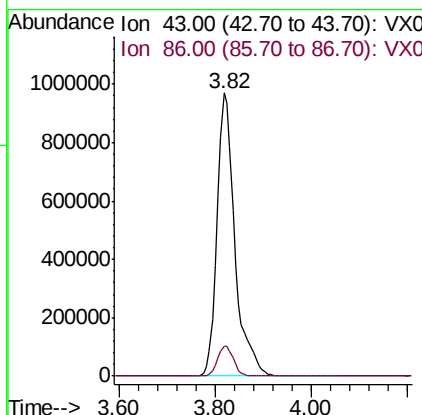
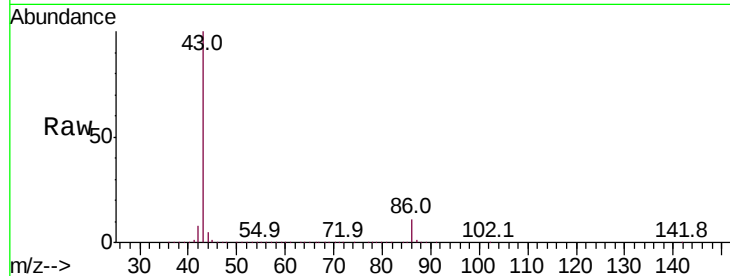




#23
 Vinyl Acetate
 Concen: 268.250 ug/l
 RT: 3.82 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

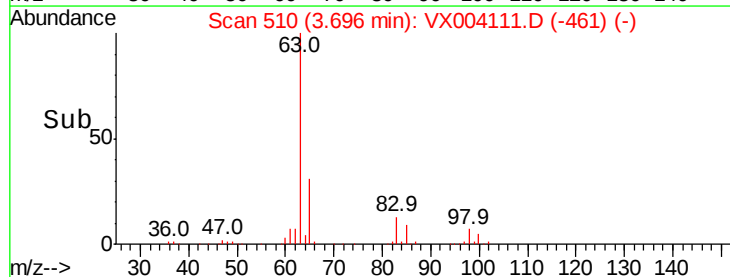
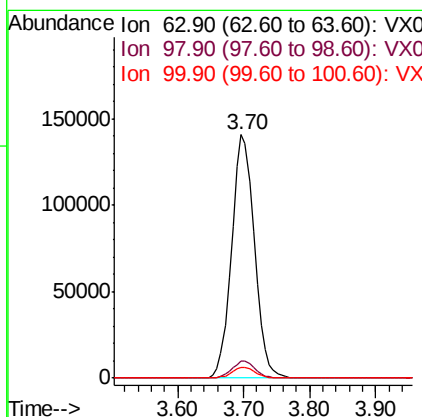
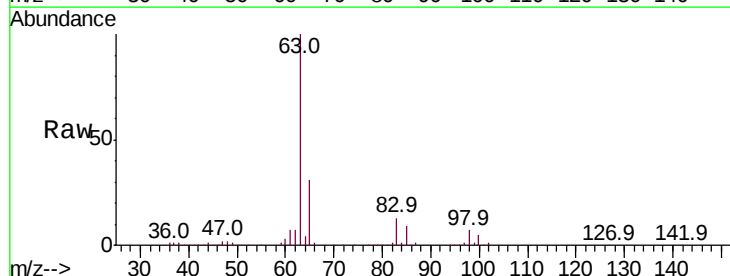
Instrument :
 MSVOA_X
 ClientSampleId :

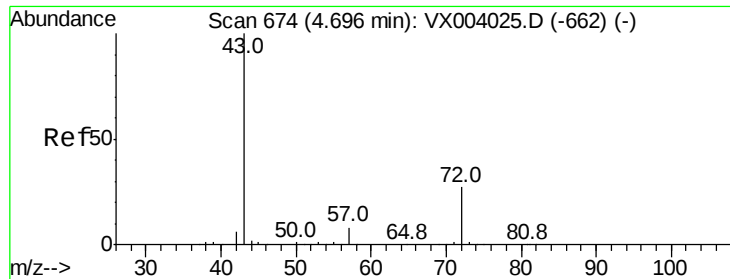
Tot Ion: 43 Resp: 2496605
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 52.261 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Tgt Ion: 63 Resp: 335424
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 4.5 2.3 6.8





#25

2-Butanone

Concen: 241.961 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

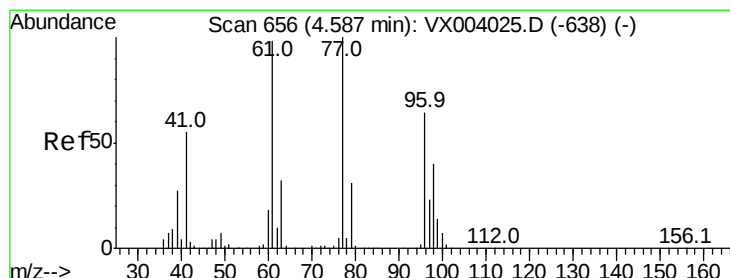
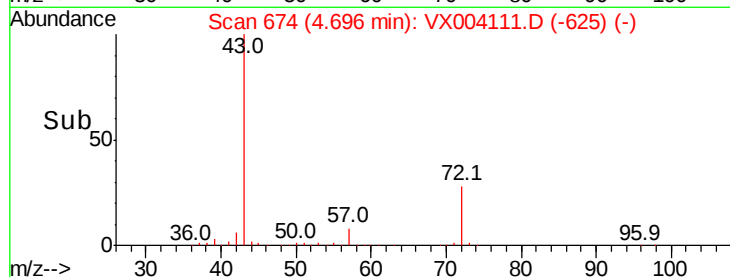
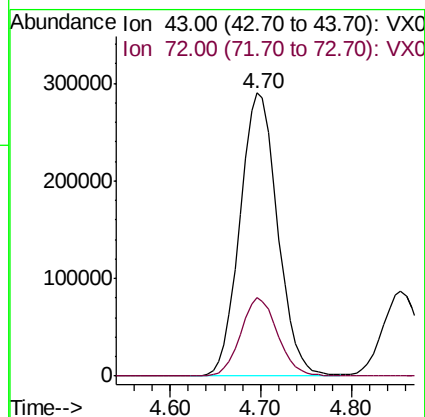
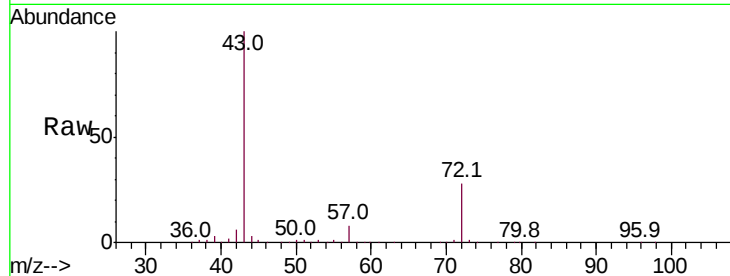
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 833160

Ion Ratio Lower Upper

43 100

72 27.8 21.4 32.0



#26

2,2-Dichloropropane

Concen: 20.902 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004111.D

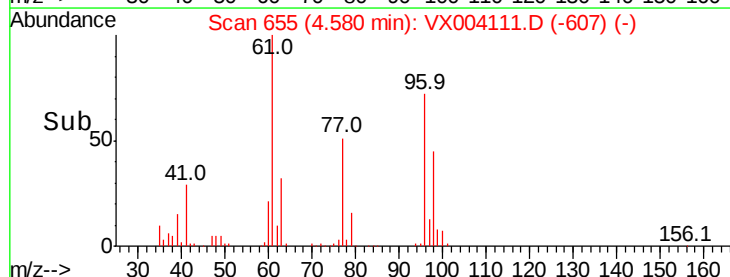
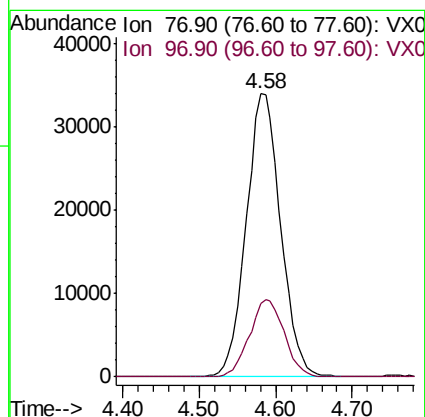
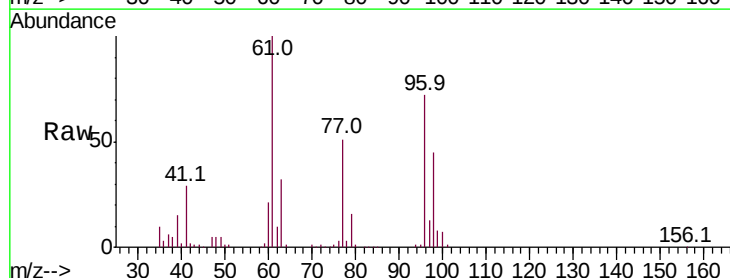
Acq: 16 Aug 2018 09:20

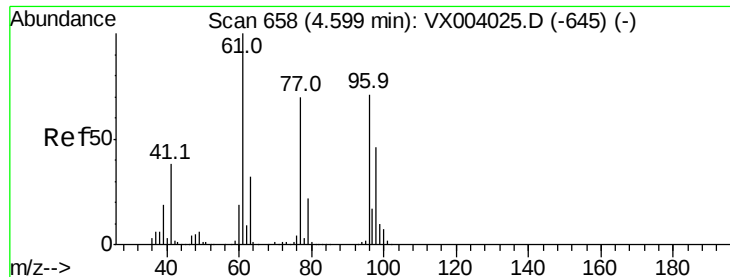
Tgt Ion: 77 Resp: 106659

Ion Ratio Lower Upper

77 100

97 27.6 11.9 35.9



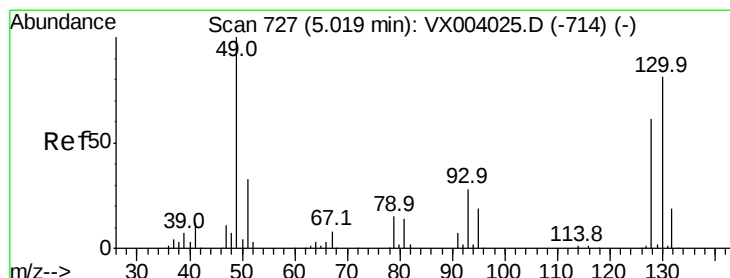
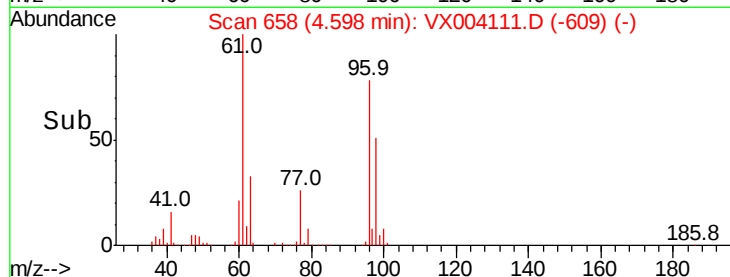
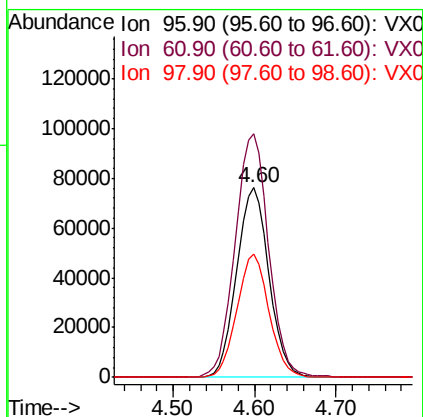
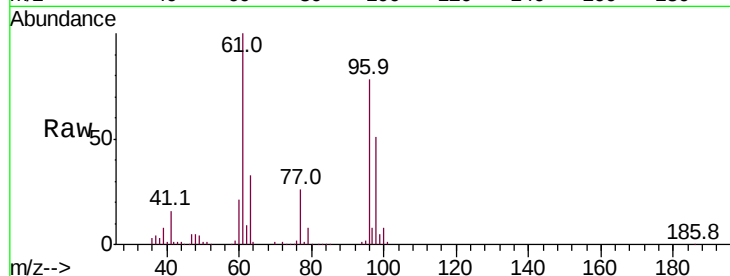


#27

cis-1,2-Dichloroethene
Concen: 54.006 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Instrument :
MSVOA_X
ClientSampled :

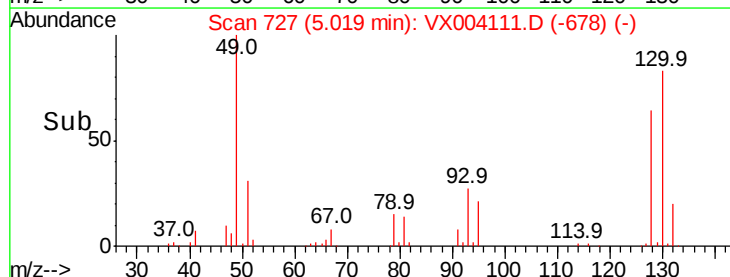
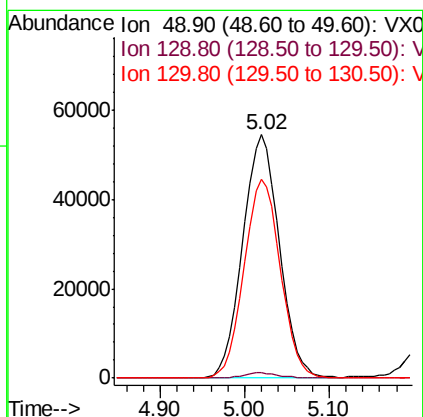
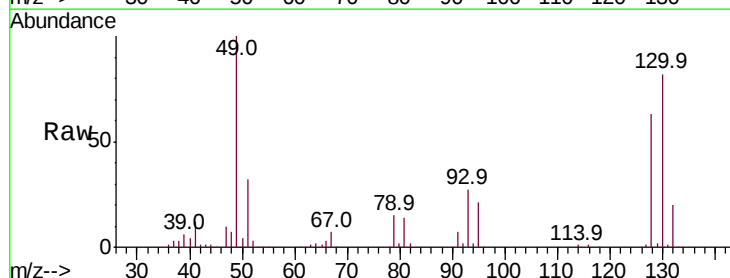
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	293.0
98	64.5	0.0	131.8

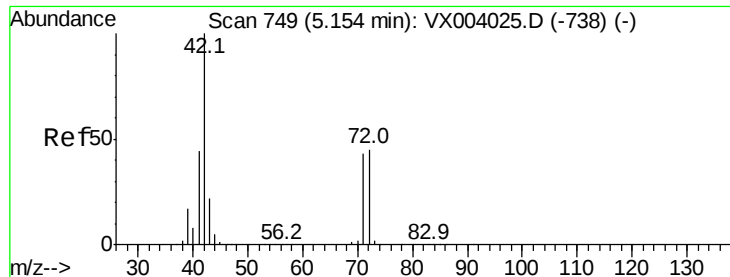


#28

Bromochloromethane
Concen: 54.689 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	81.1	66.5	99.7





#29

Tetrahydrofuran

Concen: 244.629 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

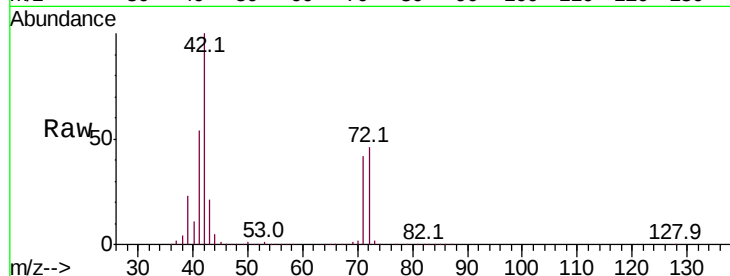
Tot Ion: 42 Resp: 430364

Ion Ratio Lower Upper

42 100

72 46.5 37.7 56.5

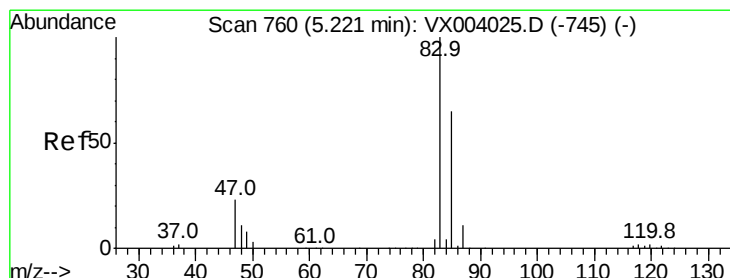
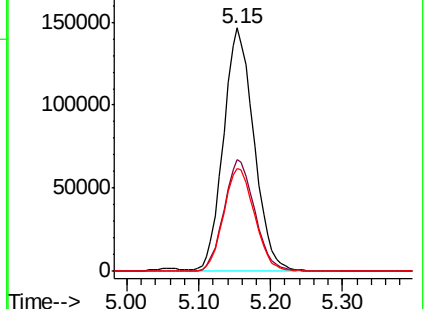
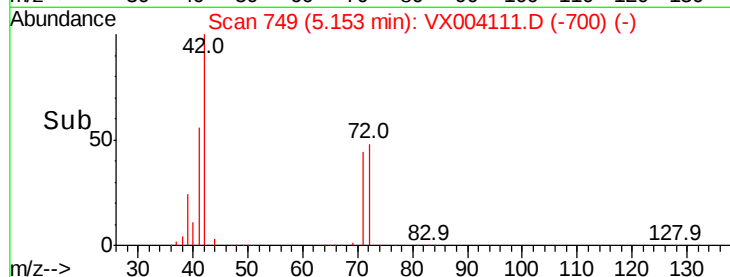
71 43.0 35.0 52.6



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: 52.497 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX004111.D

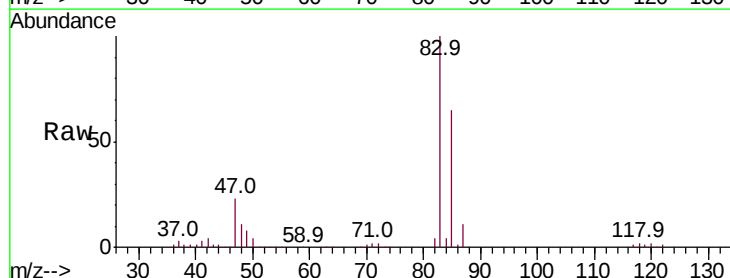
Acq: 16 Aug 2018 09:20

Tgt Ion: 83 Resp: 328842

Ion Ratio Lower Upper

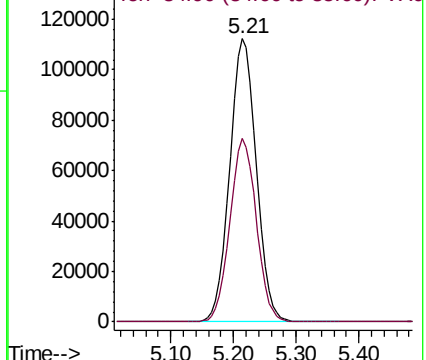
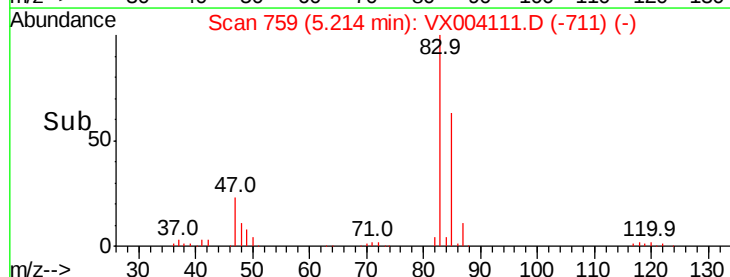
83 100

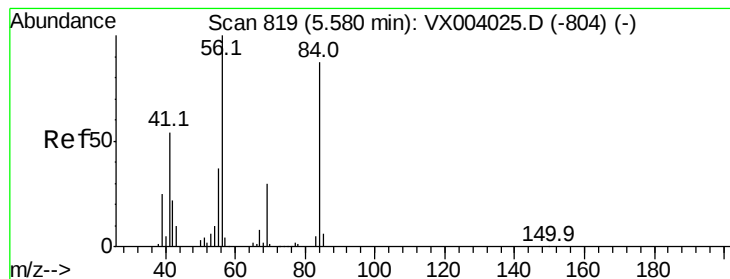
85 64.9 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.563 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

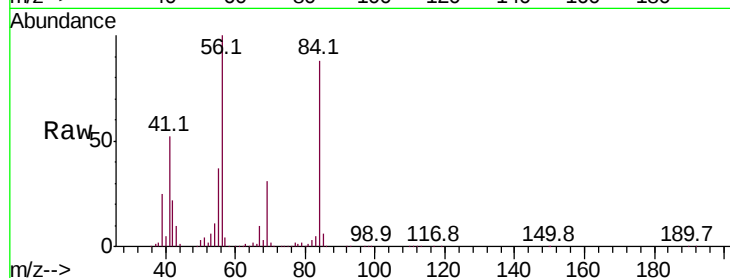
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 56 Resp: 273247

Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.9	37.3
84	86.5	71.7	107.5

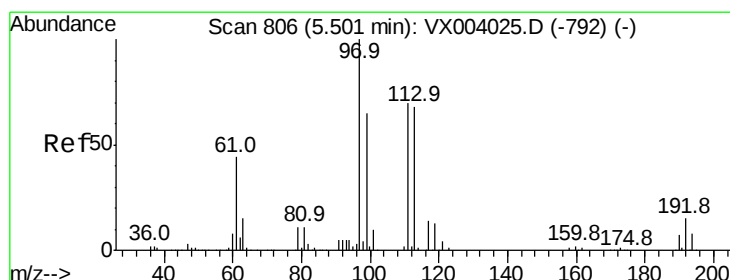
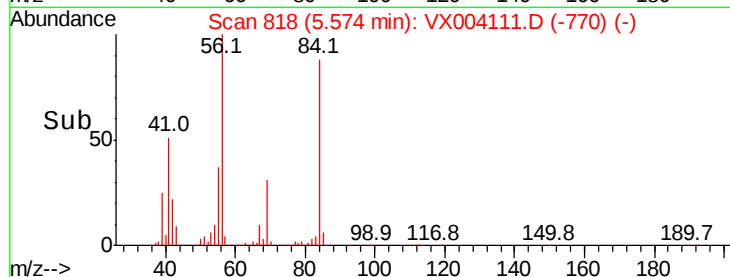
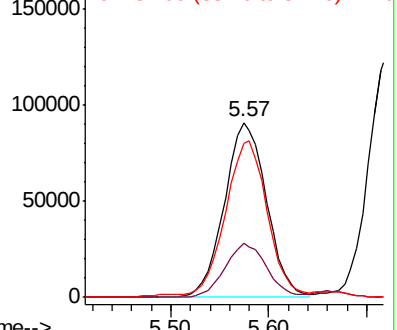


Abundance

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: 51.896 ug/l

RT: 5.49 min Scan# 805

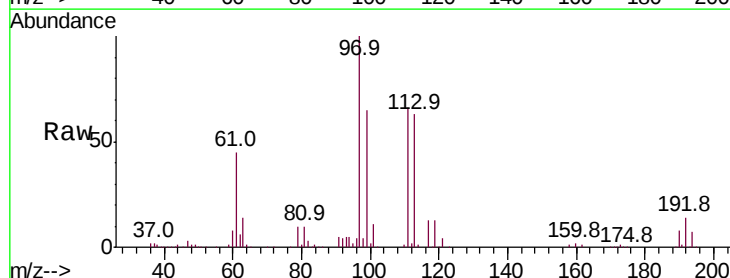
Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Tgt Ion: 97 Resp: 271649

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	44.2	34.4	51.6

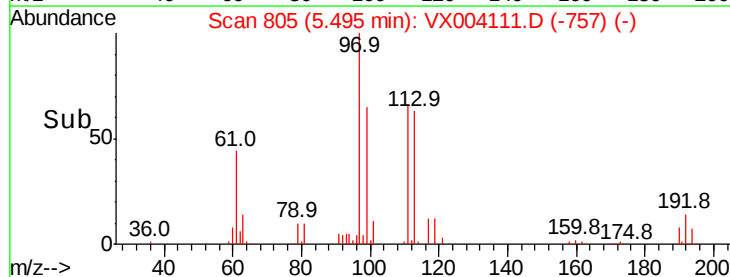
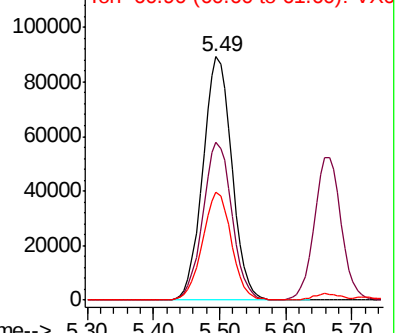


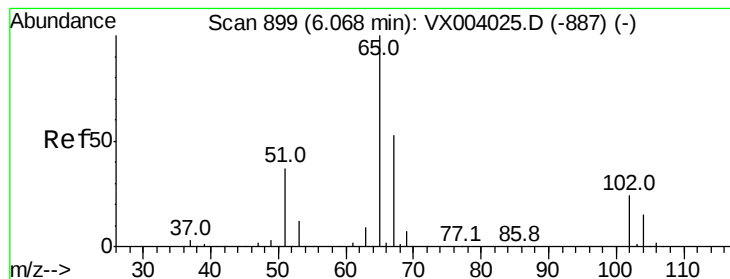
Abundance

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: 52.499 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

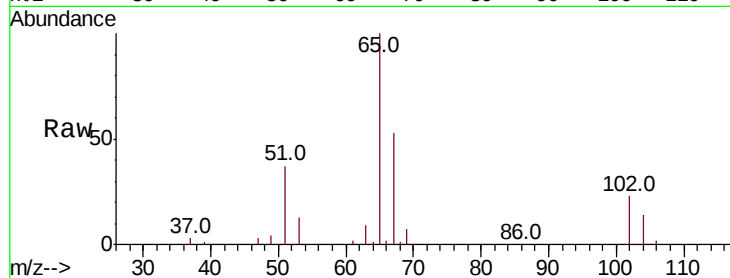
ClientSampleId :

Tot Ion: 65 Resp: 213693

Ion Ratio Lower Upper

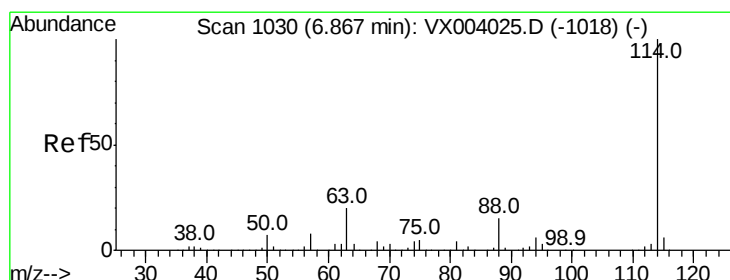
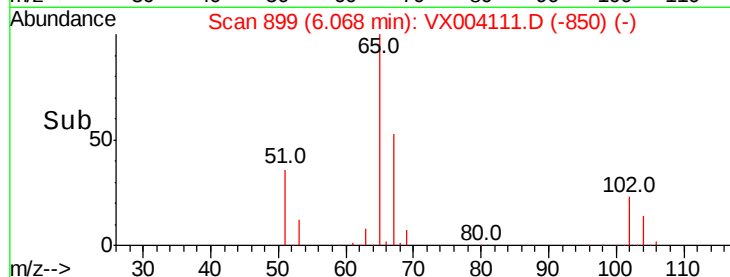
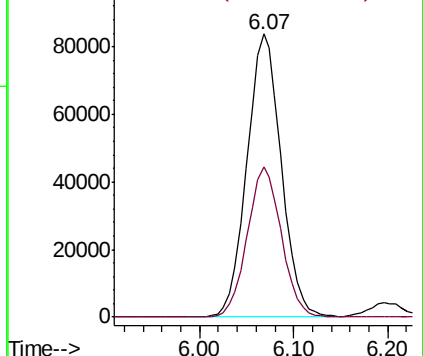
65 100

67 53.0 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

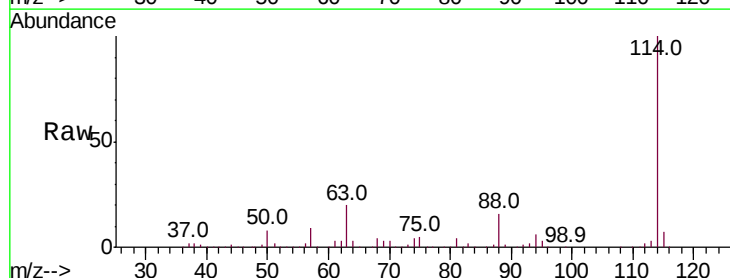
Tgt Ion: 114 Resp: 443117

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

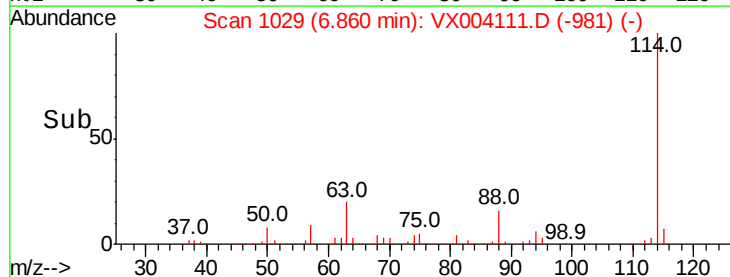
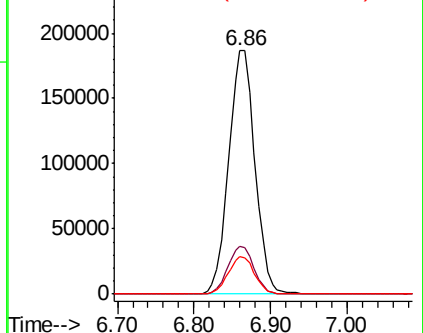
88 15.5 0.0 32.0

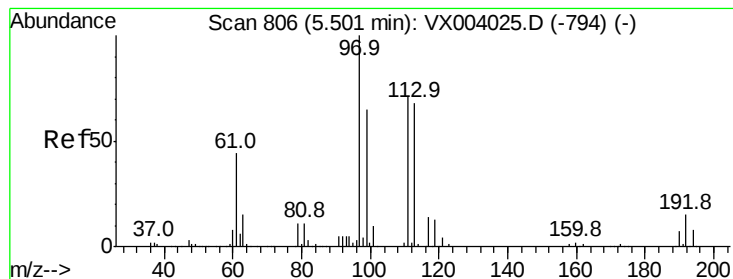


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.053 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

ClientSampled :

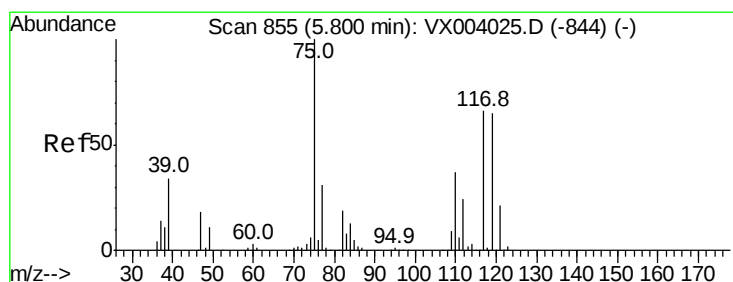
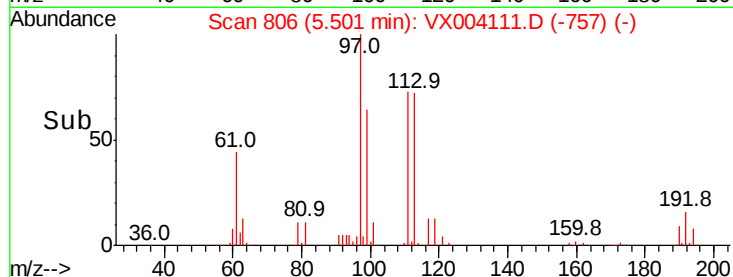
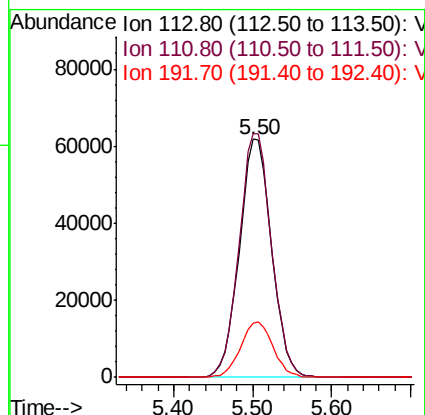
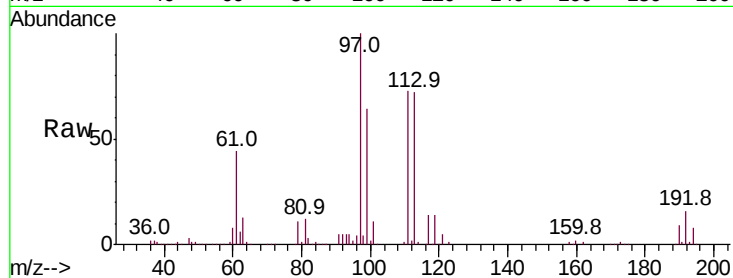
Tot Ion:113 Resp: 175944

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 23.6 19.0 28.4



#36

1,1-Dichloropropene

Concen: 48.052 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

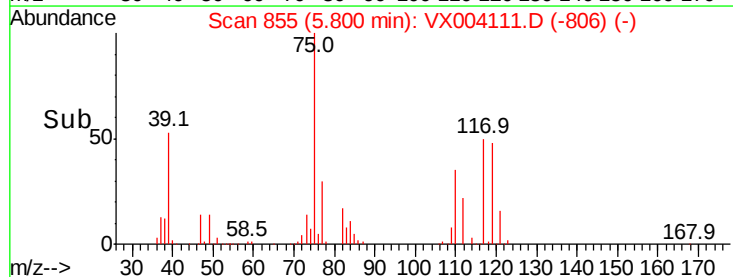
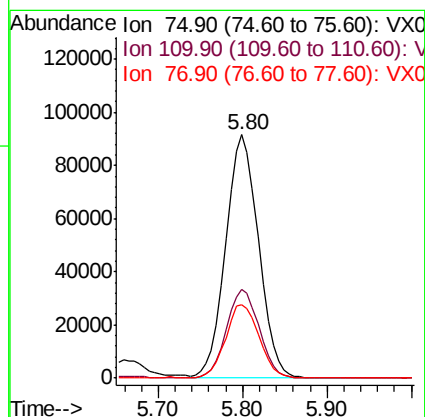
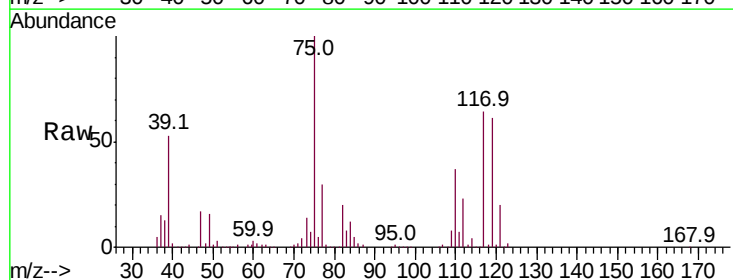
Tgt Ion: 75 Resp: 242293

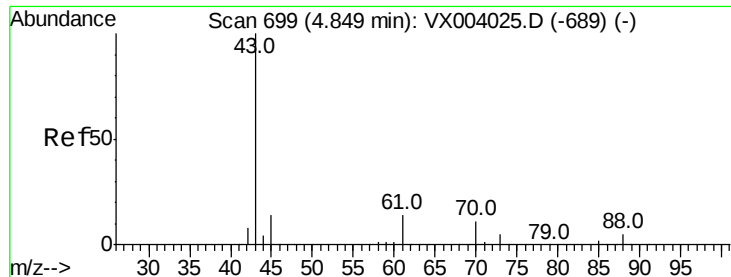
Ion Ratio Lower Upper

75 100

110 36.5 18.2 54.6

77 31.2 25.0 37.4

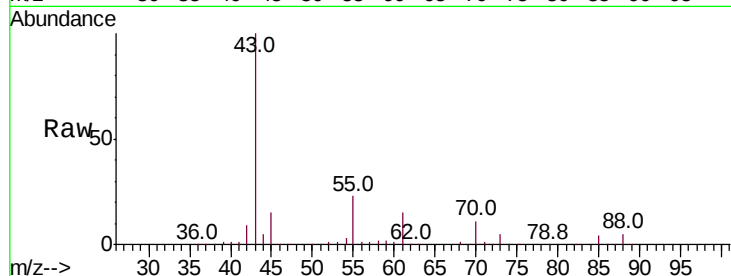




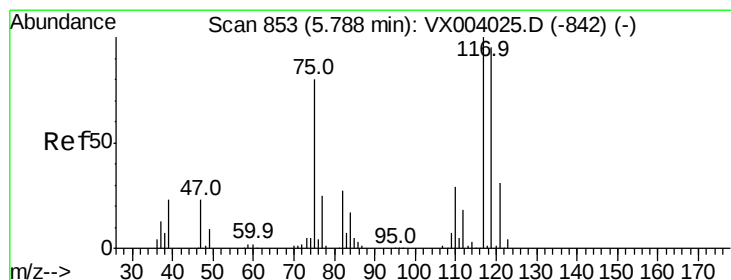
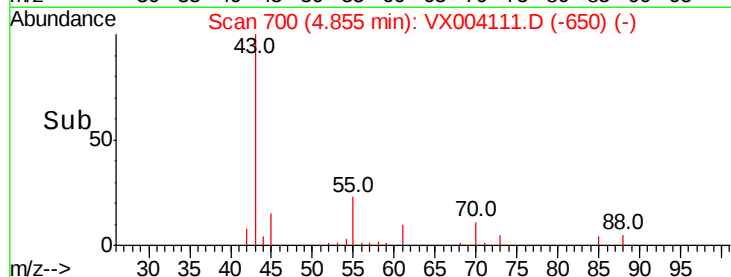
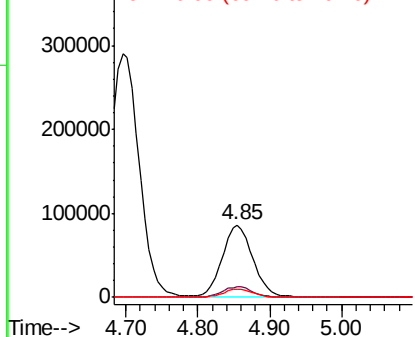
#37
Ethyl Acetate
Concen: 46.367 ug/l
RT: 4.85 min Scan# 700
Delta R.T. 0.01 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 254600
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 11.1 9.0 13.4

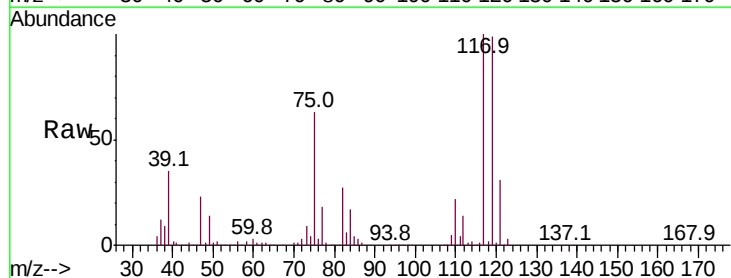


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

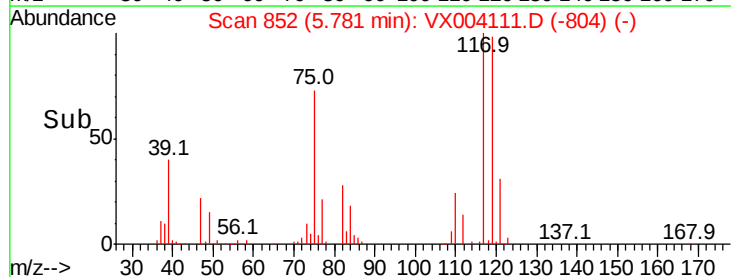
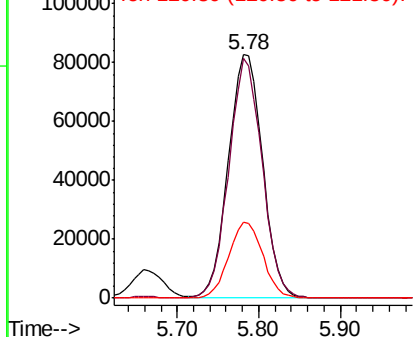


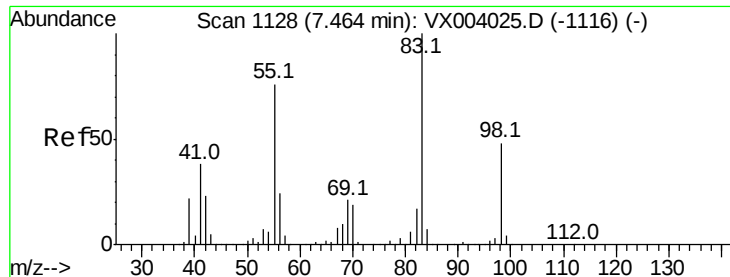
#38
Carbon Tetrachloride
Concen: 48.941 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Tgt Ion: 117 Resp: 239762
Ion Ratio Lower Upper
117 100
119 98.6 79.5 119.3
121 31.2 25.0 37.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

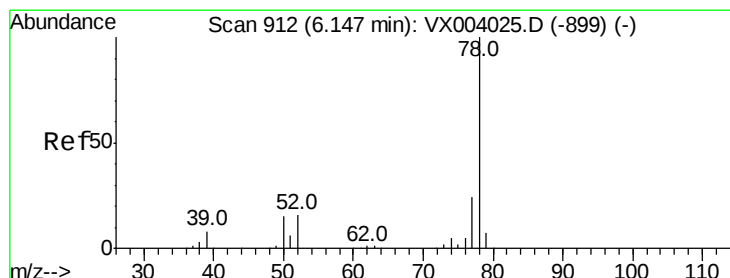
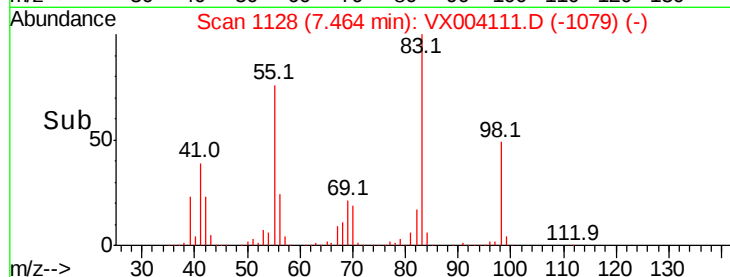
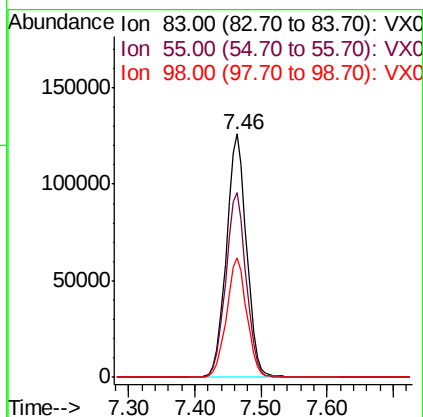
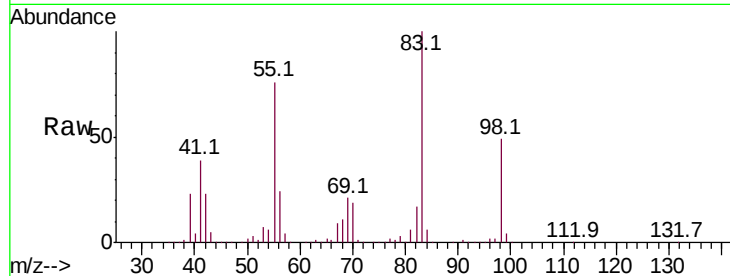




#39
Methvlcvclohexane
Concen: 46.606 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

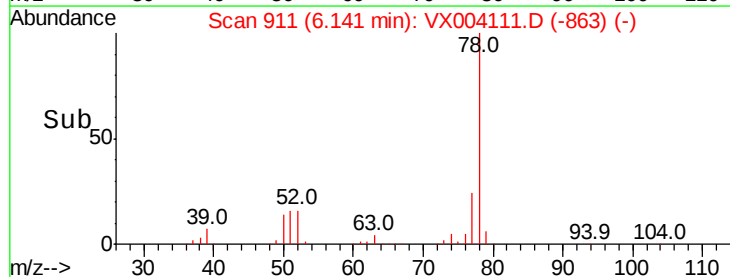
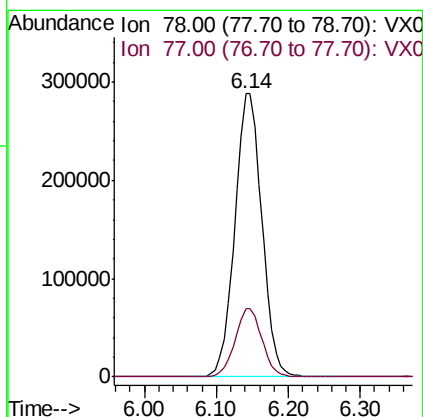
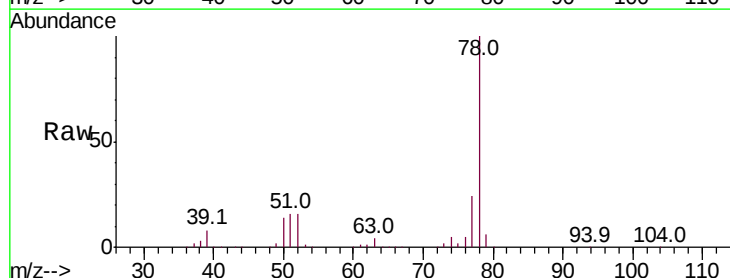
Instrument :
MSVOA_X
ClientSampleId :

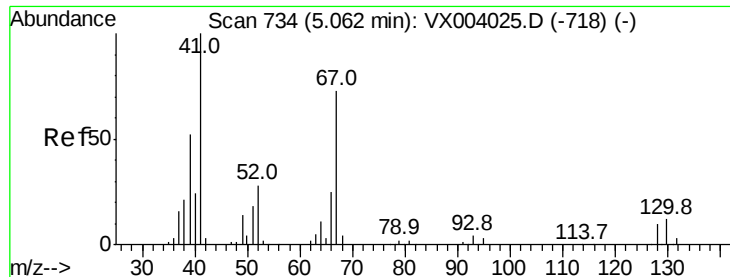
Tot Ion: 83 Resp: 266605
Ion Ratio Lower Upper
83 100
55 75.7 61.0 91.6
98 48.9 38.6 57.8



#40
Benzene
Concen: 49.632 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Tgt Ion: 78 Resp: 751478
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4





#41

Methacrylonitrile

Concen: 46.289 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 142352

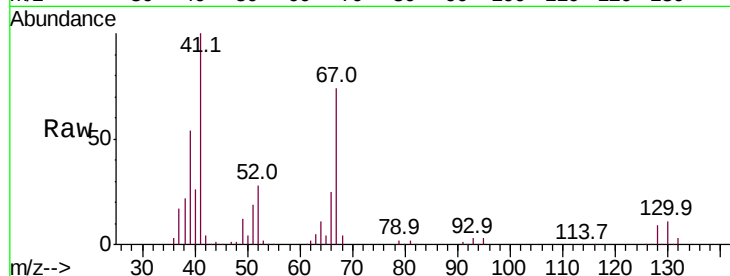
Ion Ratio Lower Upper

41 100

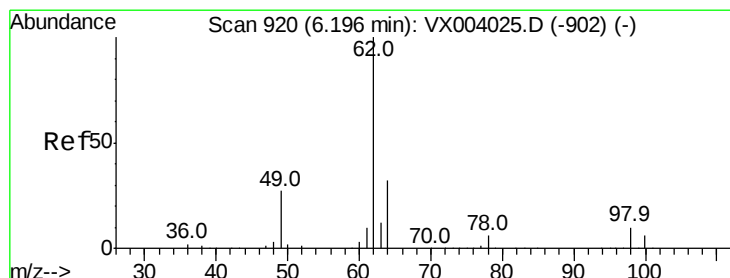
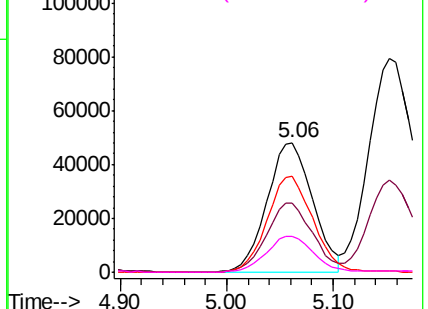
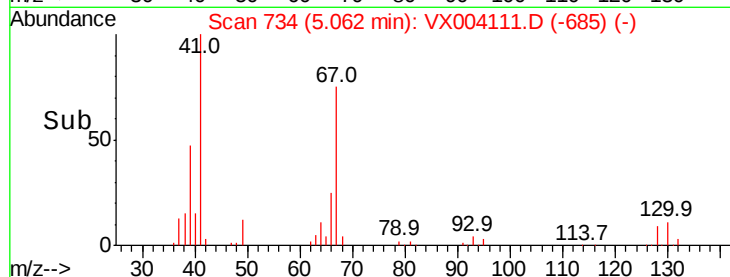
39 53.5 42.7 64.1

67 75.3 58.9 88.3

52 29.5 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: 49.526 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004111.D

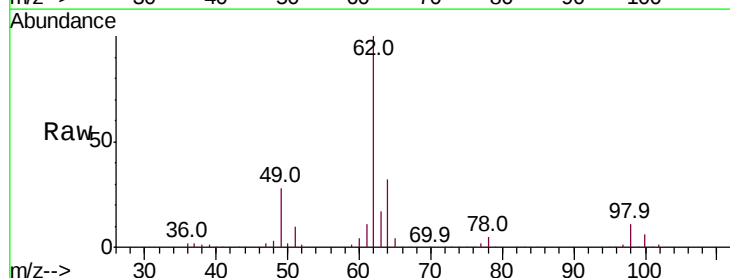
Acq: 16 Aug 2018 09:20

Tgt Ion: 62 Resp: 262488

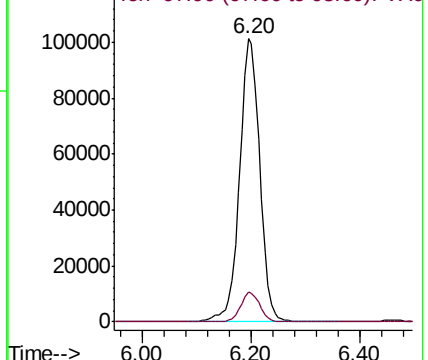
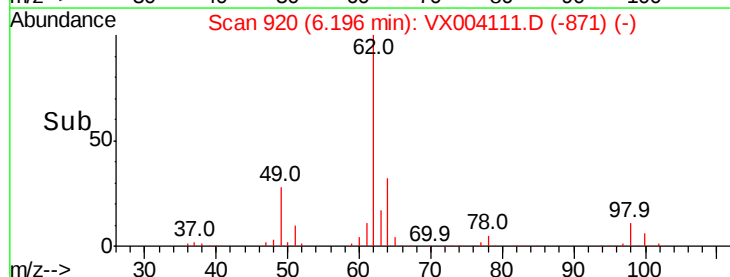
Ion Ratio Lower Upper

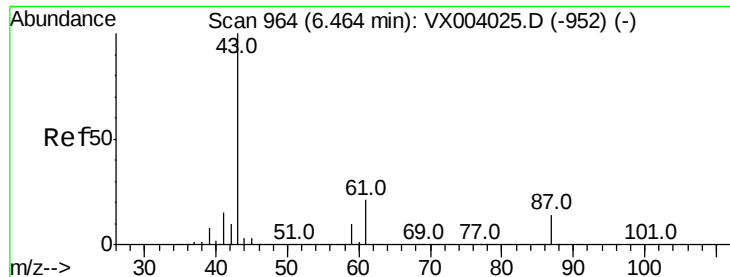
62 100

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



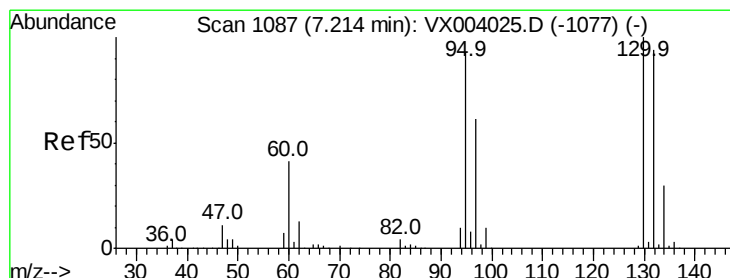
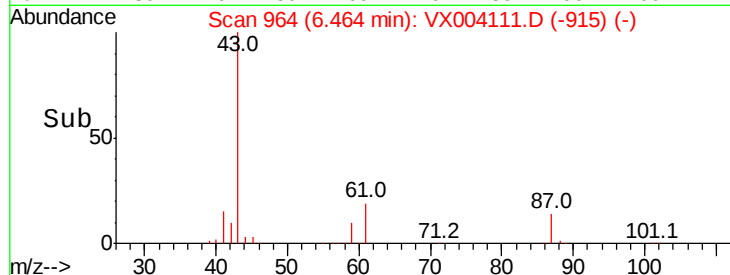
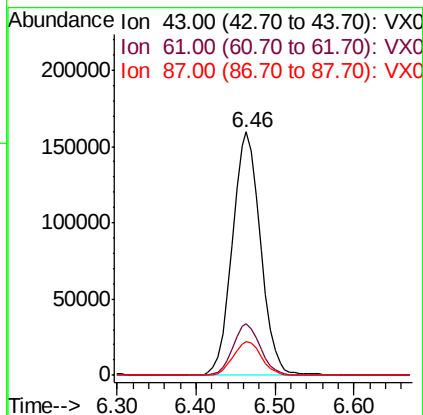
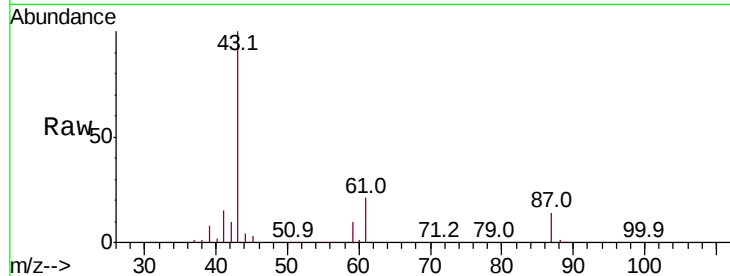


#43

Isopropyl Acetate
 Concen: 48.826 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :

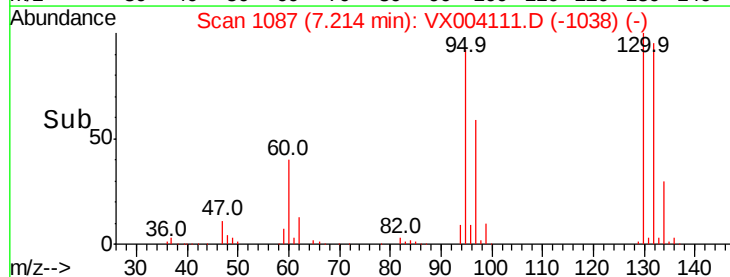
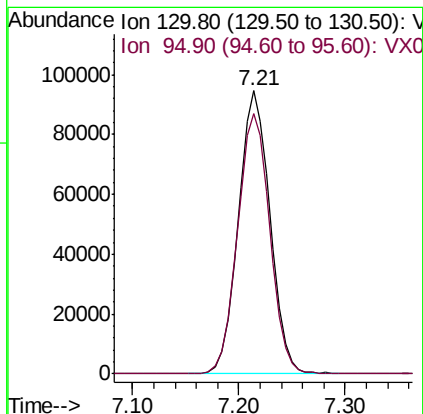
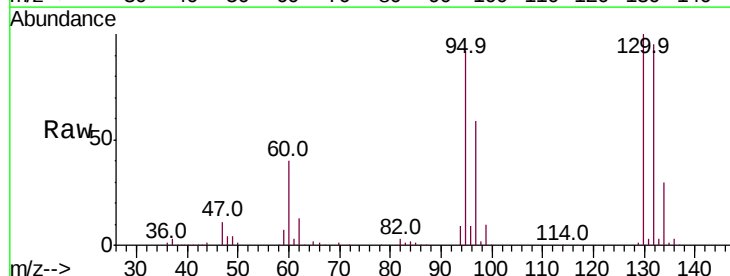
Tot Ion	43	61	87
Resp	395181		
Ratio	100	20.8	13.9
Lower		16.9	11.3
Upper		25.3	16.9

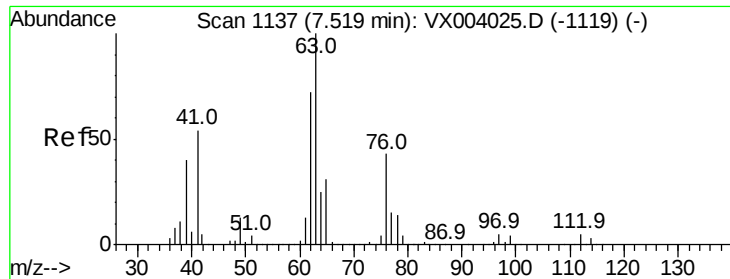


#44

Trichloroethene
 Concen: 48.154 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Tgt Ion	130	95
Resp	197933	
Ratio	100	92.1
Lower		0.0
Upper		199.4





#45

1,2-Dichloropropane

Concen: 50.362 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

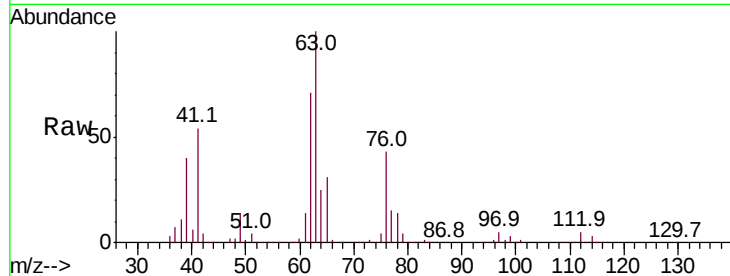
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 63 Resp: 195205

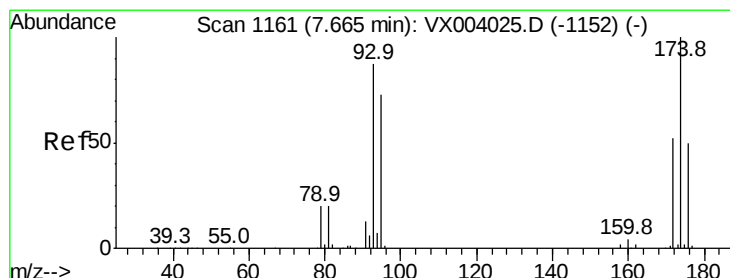
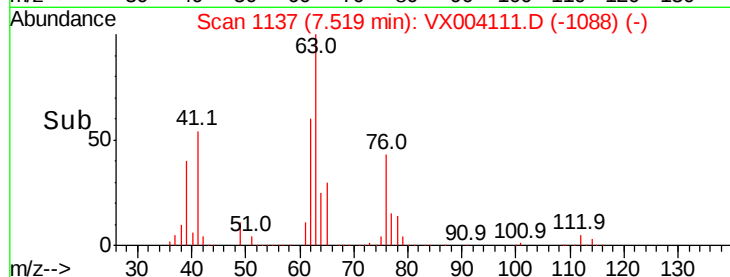
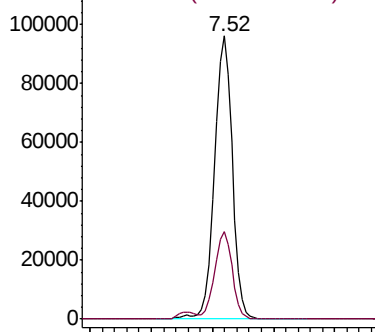
Ion Ratio Lower Upper

63 100

65 31.0 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.310 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

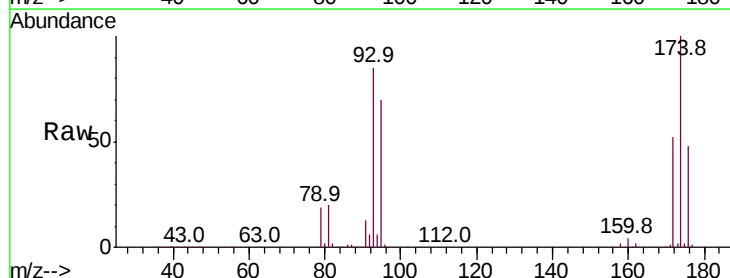
Tgt Ion: 93 Resp: 127435

Ion Ratio Lower Upper

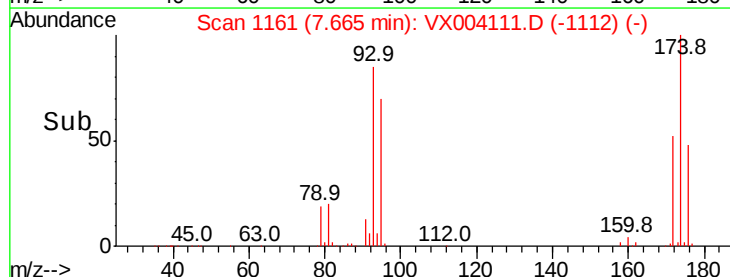
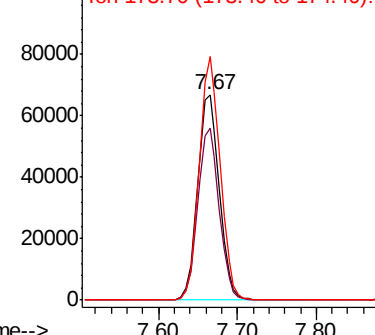
93 100

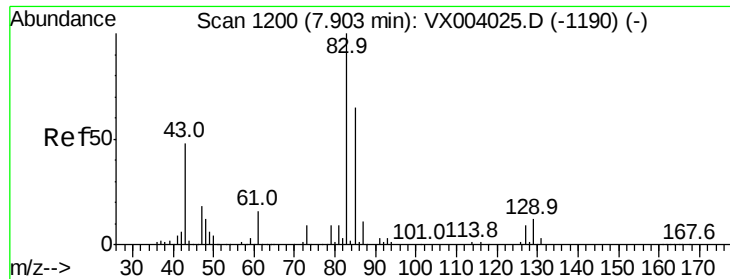
95 83.0 66.4 99.6

174 115.0 94.3 141.5



Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.059 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :

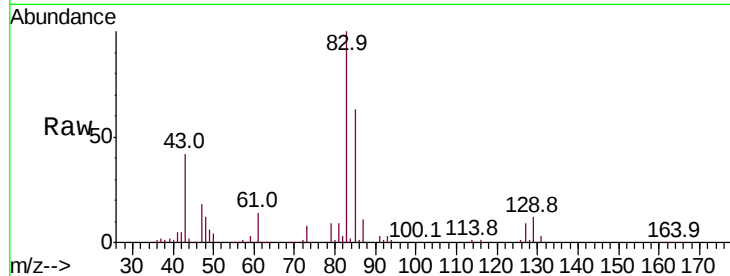
Tot Ion: 83 Resp: 244951

Ion Ratio Lower Upper

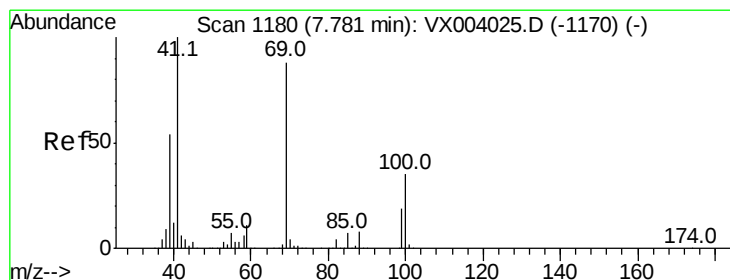
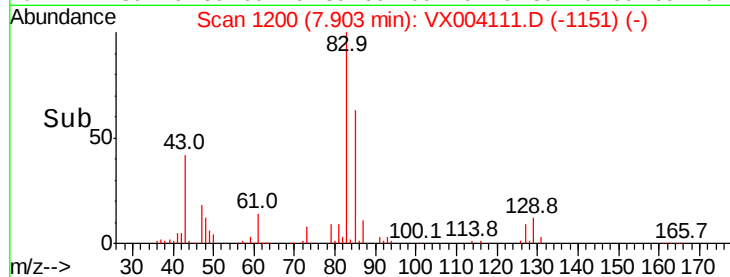
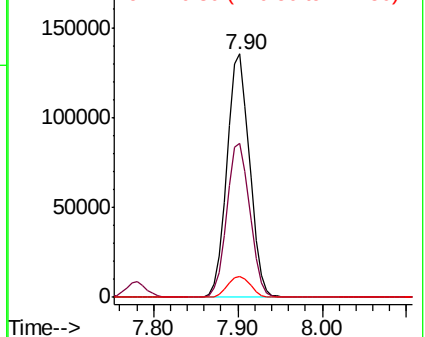
83 100

85 63.1 51.2 76.8

127 8.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.258 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

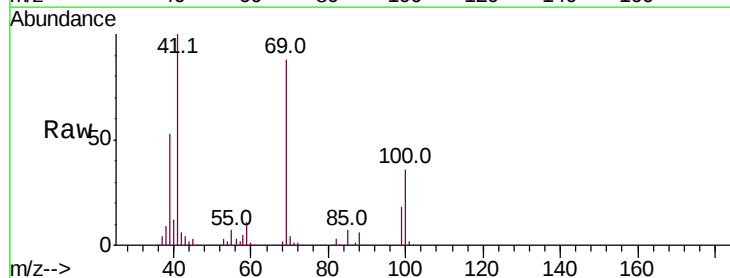
Tgt Ion: 41 Resp: 208842

Ion Ratio Lower Upper

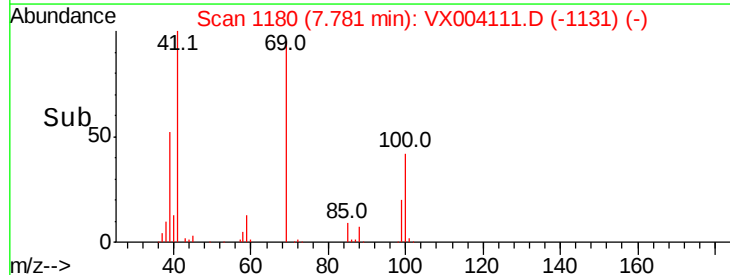
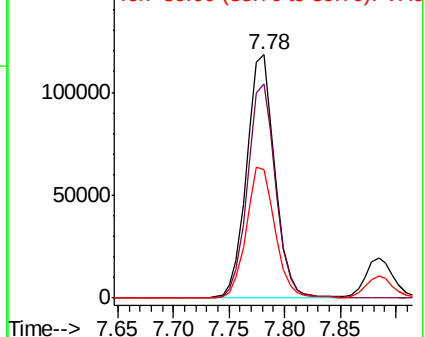
41 100

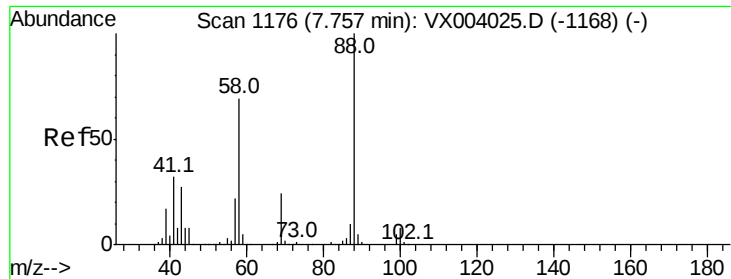
69 88.6 68.8 103.2

39 54.6 42.3 63.5



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

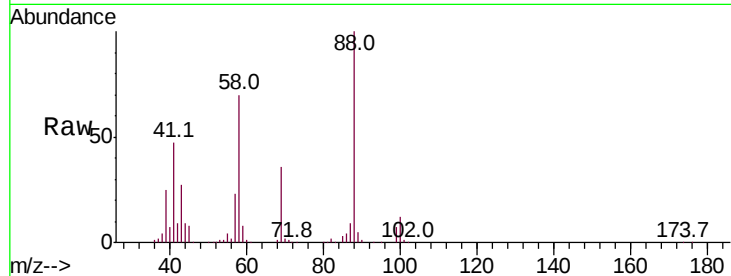




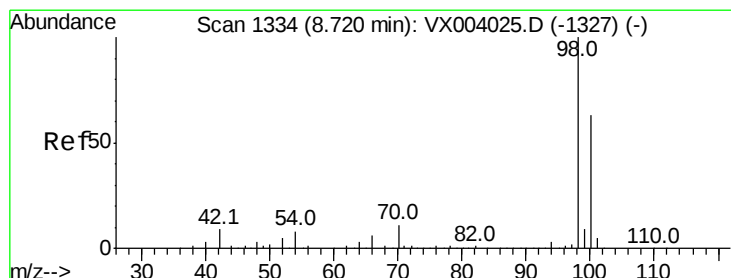
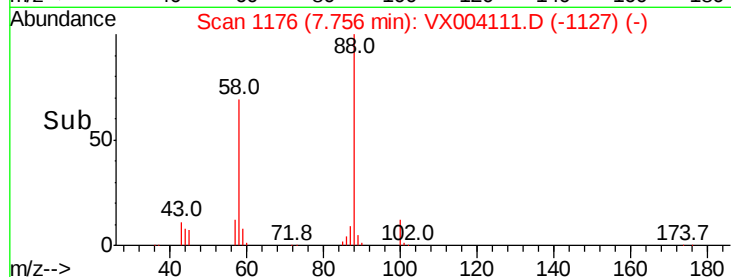
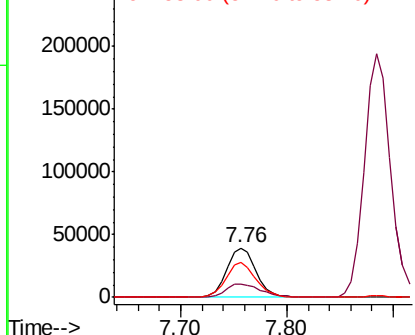
#49
 1,4-Dioxane
 Concen: 829.617 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 88 Resp: 76101
 Ion Ratio Lower Upper
 88 100
 43 32.4 23.8 35.8
 58 71.9 55.4 83.0

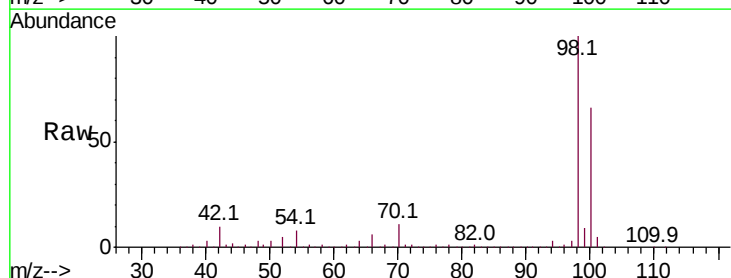


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

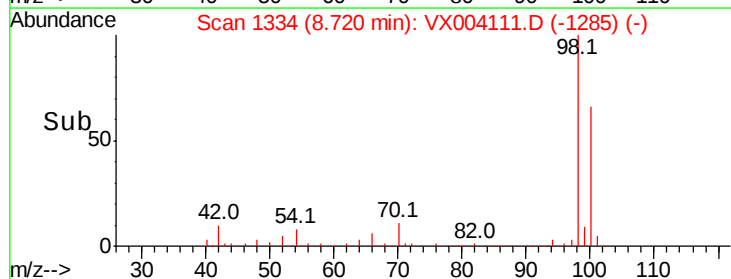
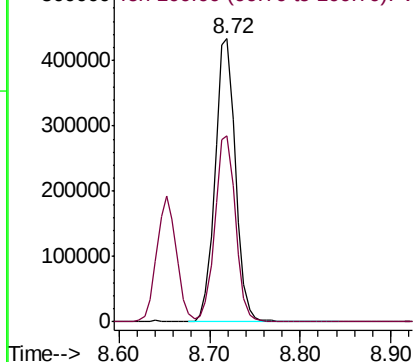


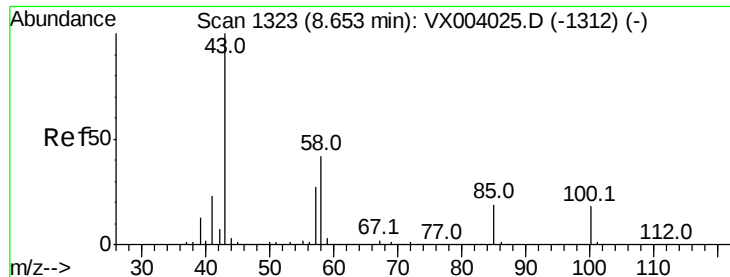
#50
 Toluene-d8
 Concen: 50.943 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Tgt Ion: 98 Resp: 684976
 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: 255.829 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

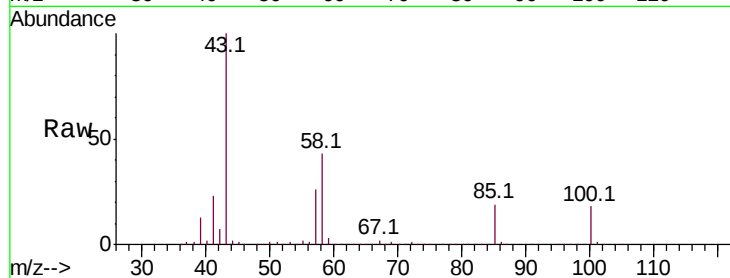
ClientSampled :

Tot Ion: 43 Resp: 1697791

Ion Ratio Lower Upper

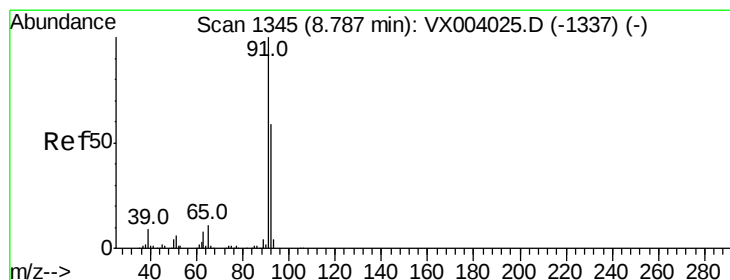
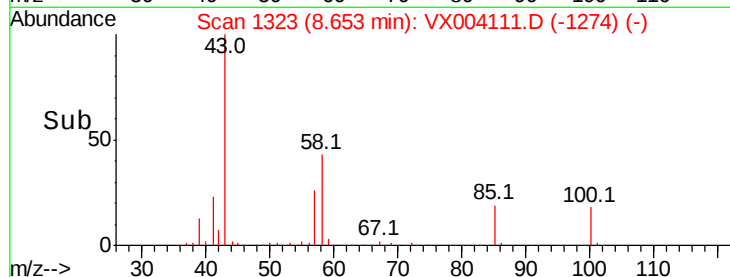
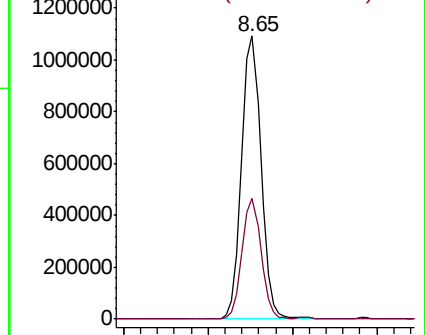
43 100

58 41.6 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: 50.457 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004111.D

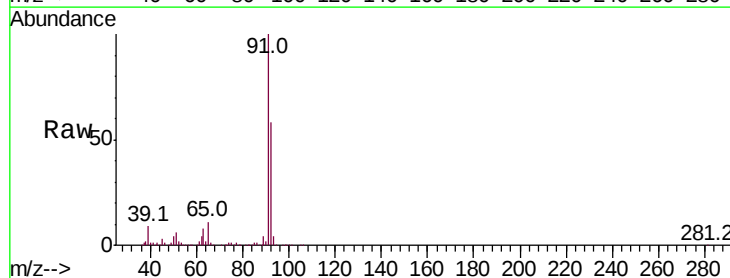
Acq: 16 Aug 2018 09:20

Tgt Ion: 92 Resp: 483163

Ion Ratio Lower Upper

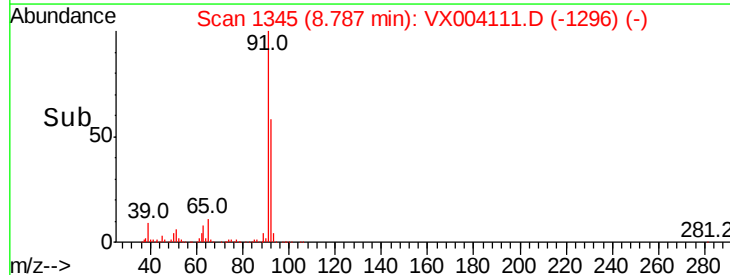
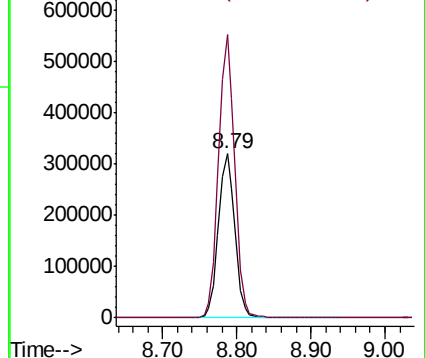
92 100

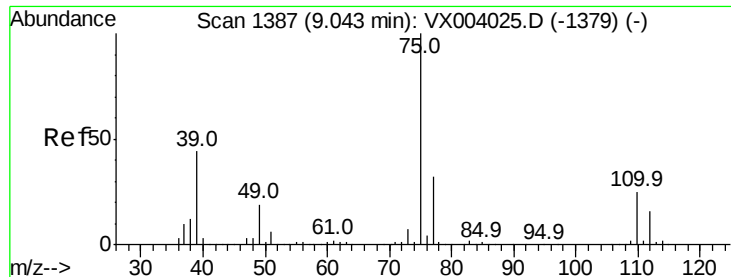
91 170.3 136.1 204.1



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: 46.381 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

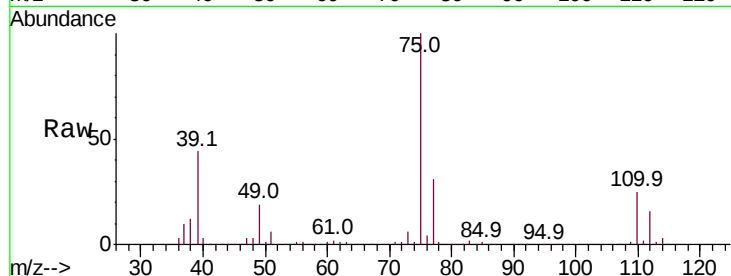
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 240376

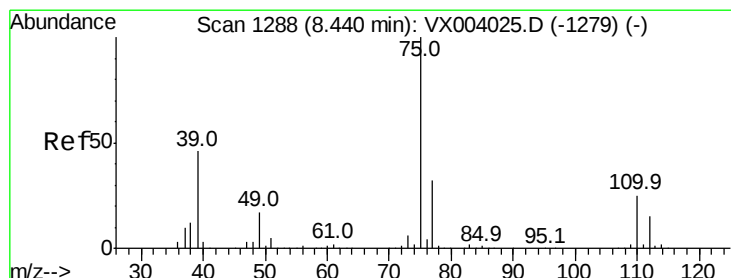
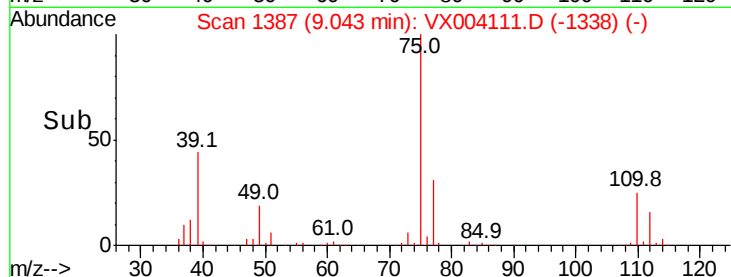
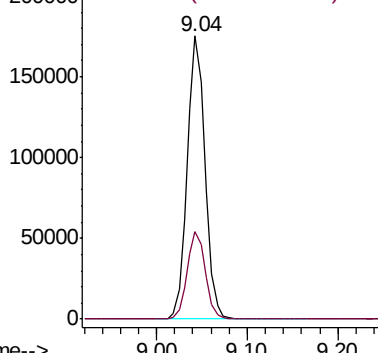
Ion Ratio Lower Upper

75 100

77 30.9 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: 44.346 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

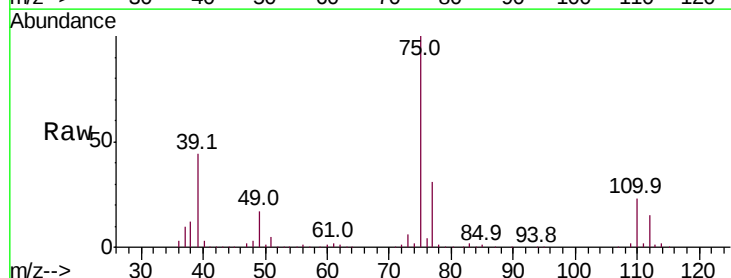
Tgt Ion: 75 Resp: 254522

Ion Ratio Lower Upper

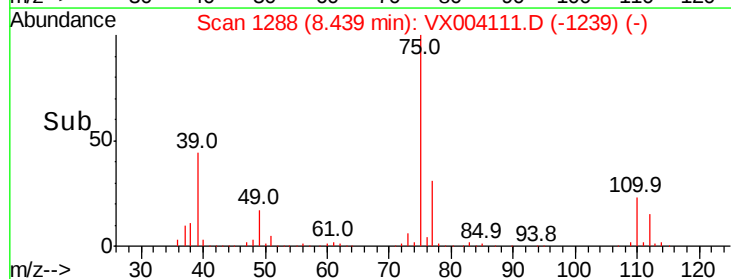
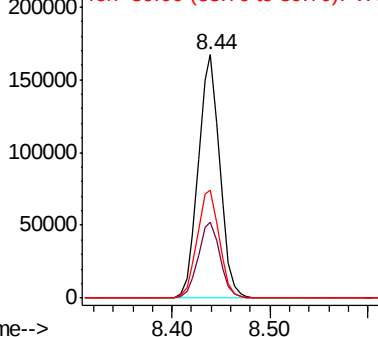
75 100

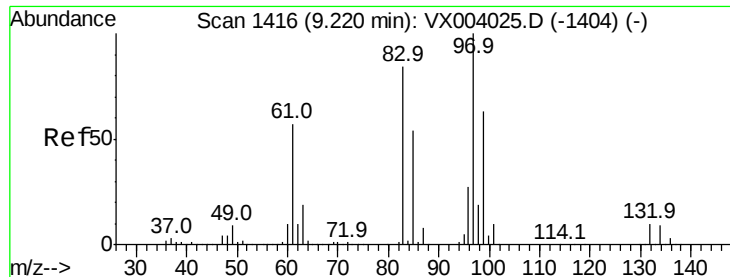
77 31.1 25.3 37.9

39 44.4 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

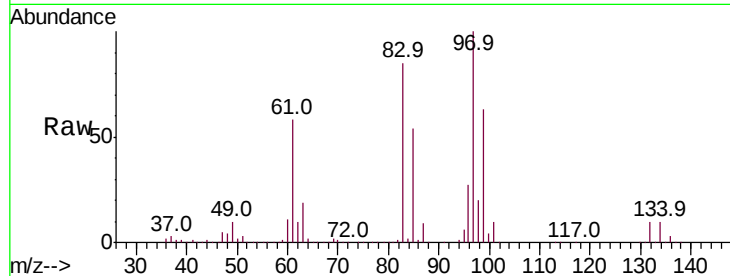




#55
 1,1,2-Trichloroethane
 Concen: 49.310 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	194990
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.8	101.6
85	54.2	44.2	66.2
99	63.3	50.8	76.2



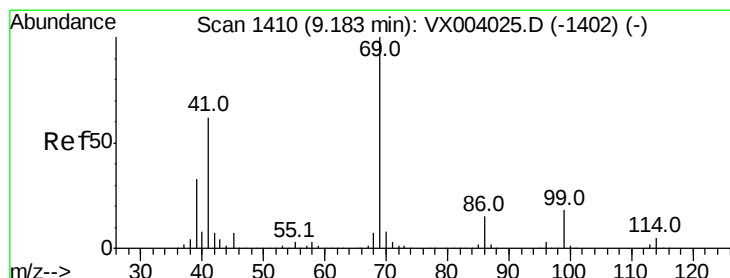
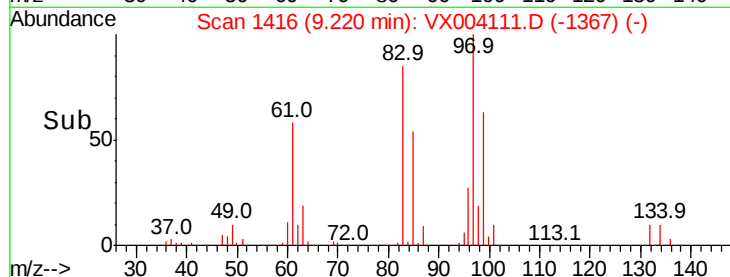
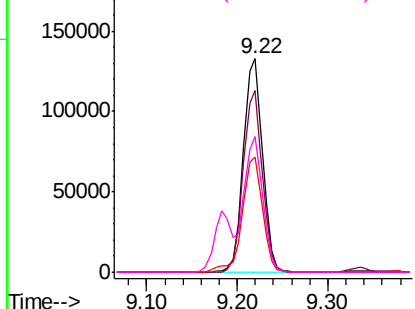
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

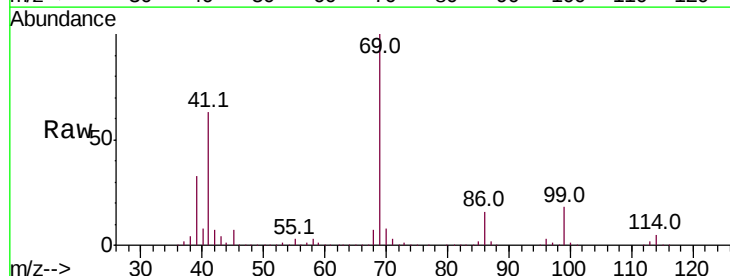
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 53.711 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Tgt Ion:	69	Resp:	288821
Ion	Ratio	Lower	Upper
69	100		
41	63.7	50.6	76.0
39	32.9	25.8	38.6

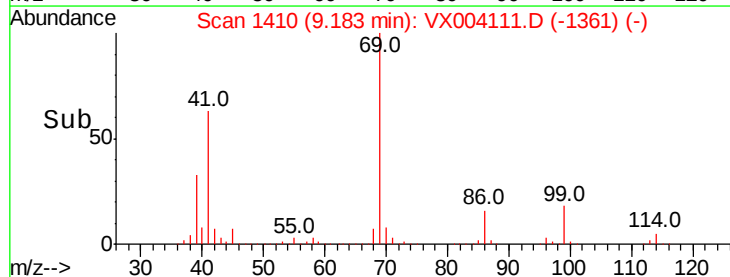
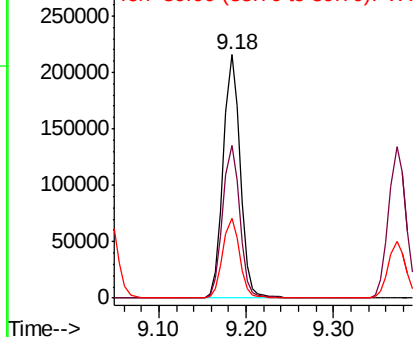


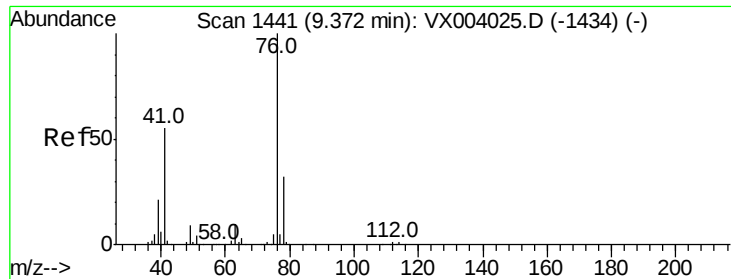
Abundance

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: 50.192 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

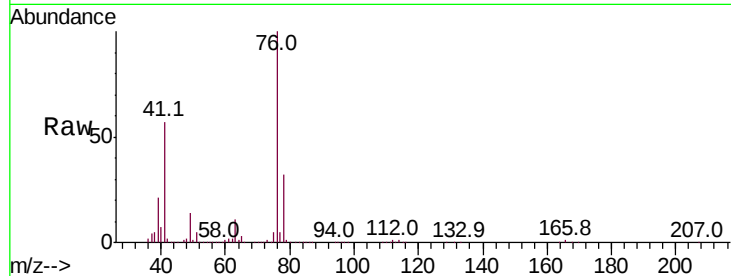
ClientSampleId :

Tot Ion: 76 Resp: 329303

Ion Ratio Lower Upper

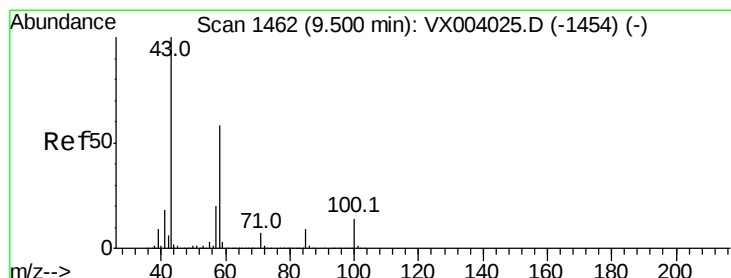
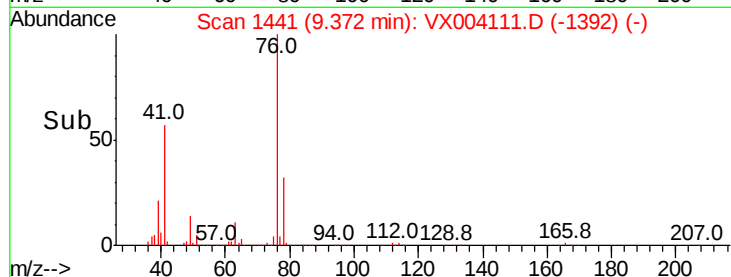
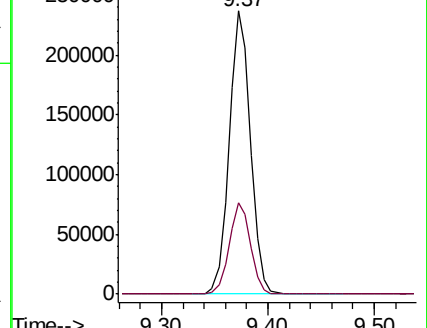
76 100

78 32.3 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 257.873 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX004111.D

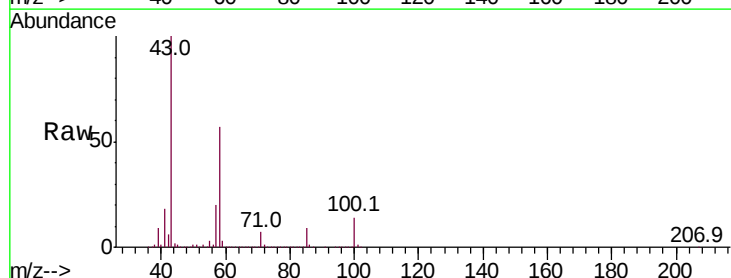
Acq: 16 Aug 2018 09:20

Tgt Ion: 43 Resp: 1287983

Ion Ratio Lower Upper

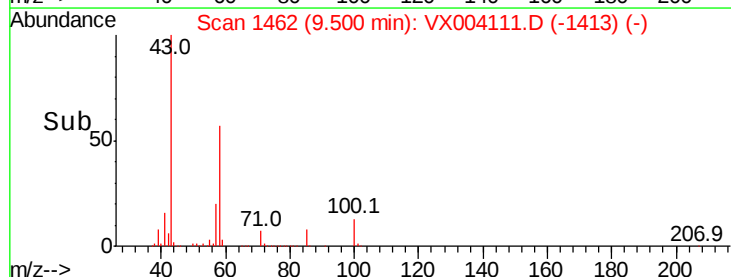
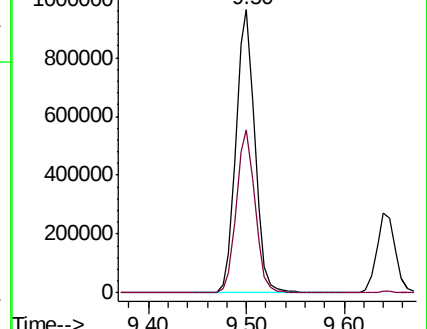
43 100

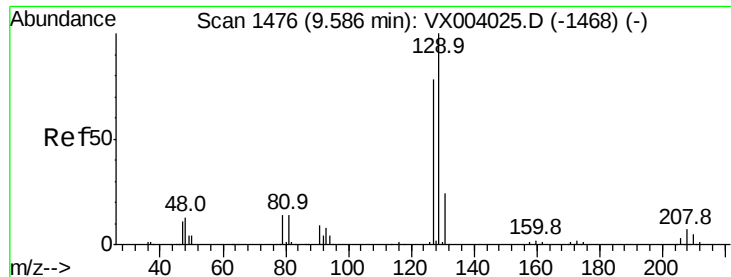
58 57.4 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 51.505 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

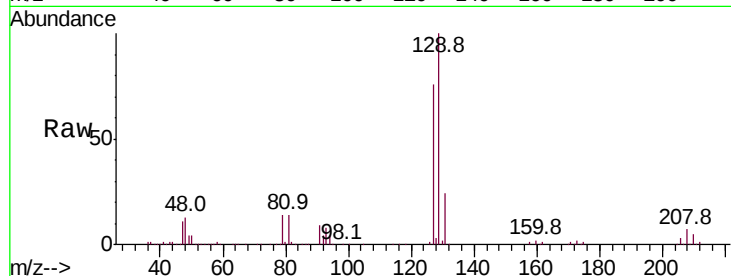
ClientSampleId :

Tot Ion:129 Resp: 195998

Ion Ratio Lower Upper

129 100

127 77.0 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

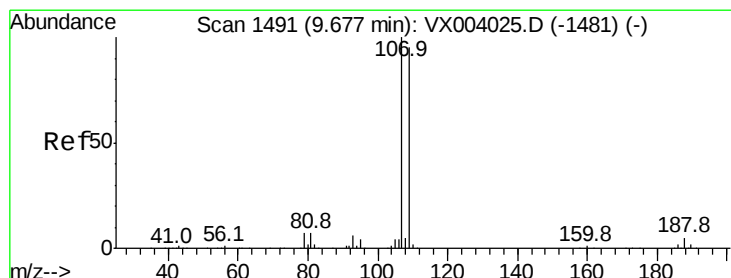
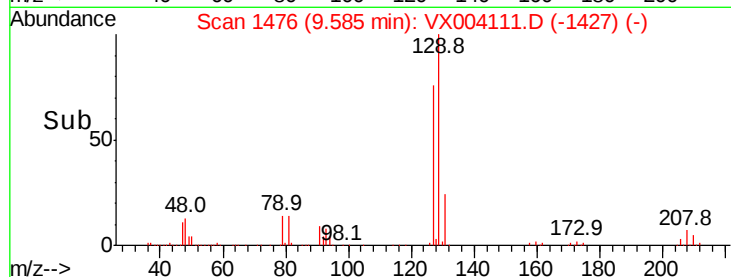
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 50.318 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004111.D

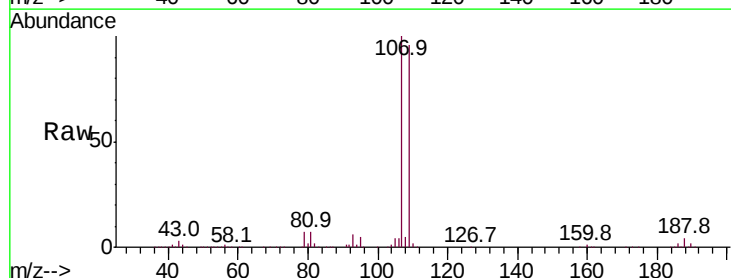
Acq: 16 Aug 2018 09:20

Tgt Ion:107 Resp: 202839

Ion Ratio Lower Upper

107 100

109 94.8 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

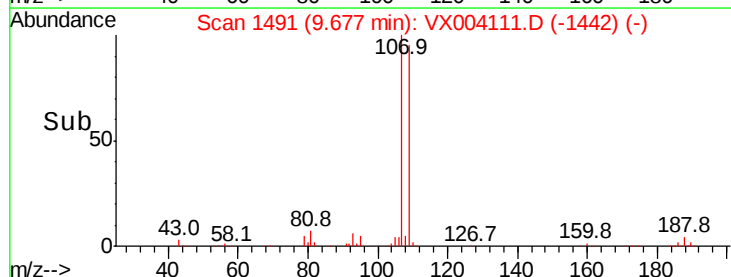
150000

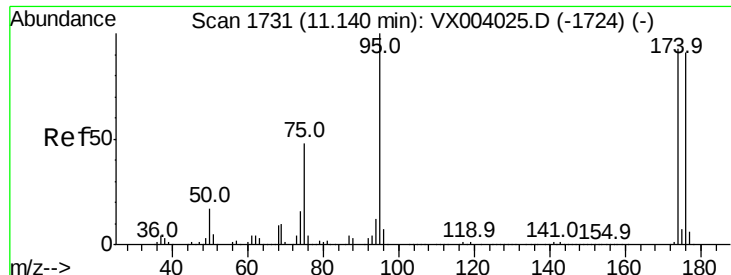
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.334 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

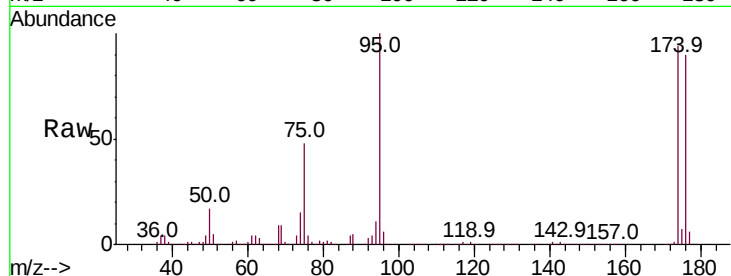
Tot Ion: 95 Resp: 250343

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.8

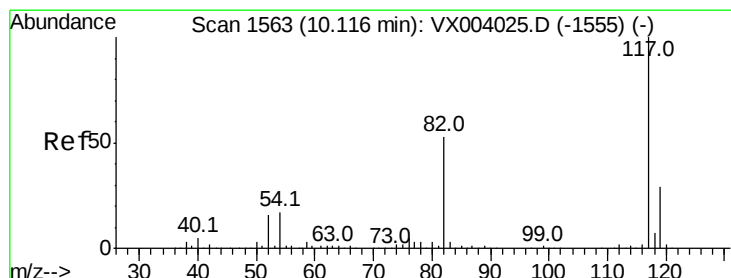
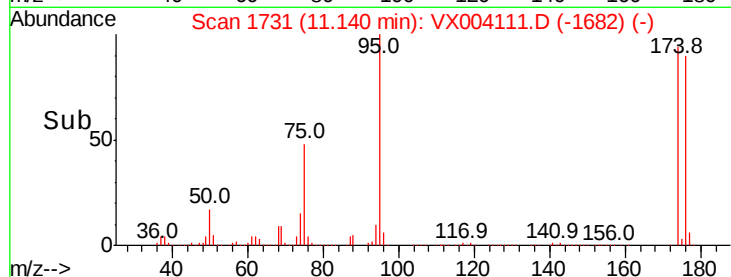
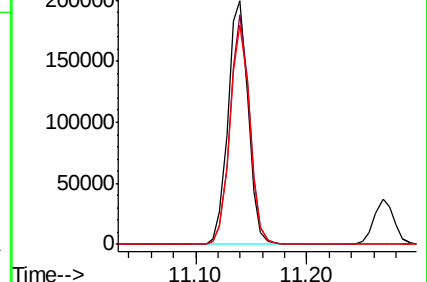
176 88.5 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX004025.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX004025.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX004025.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

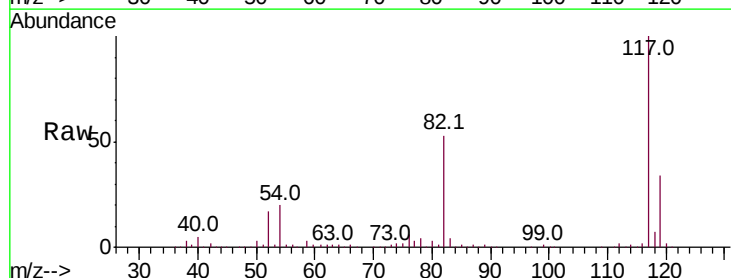
Tgt Ion: 117 Resp: 416207

Ion Ratio Lower Upper

117 100

82 53.1 45.4 68.0

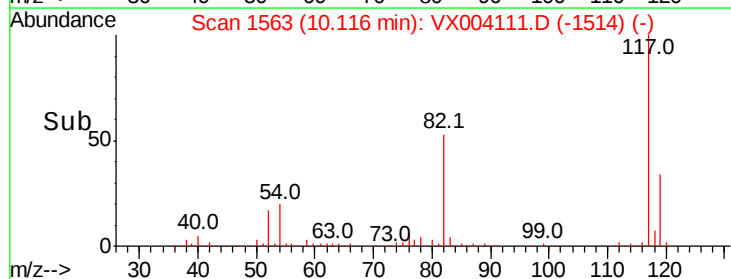
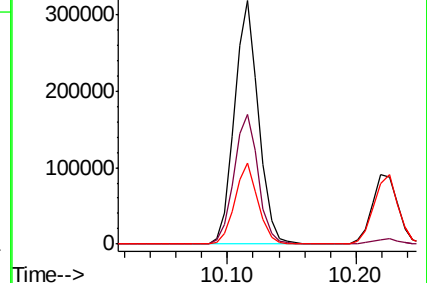
119 33.5 26.6 40.0

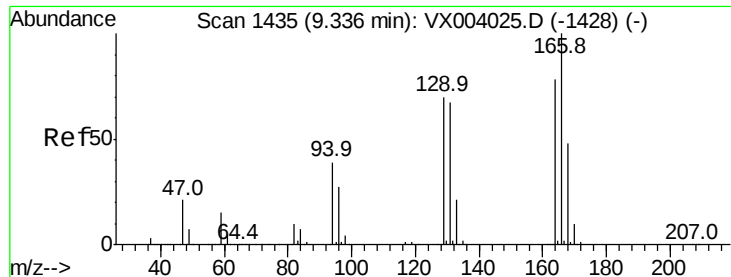


Abundance Ion 116.90 (116.60 to 117.60): VX004025.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX004025.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX004025.D (-1555) (-)





#64

Tetrachloroethene

Concen: 46.088 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 181804

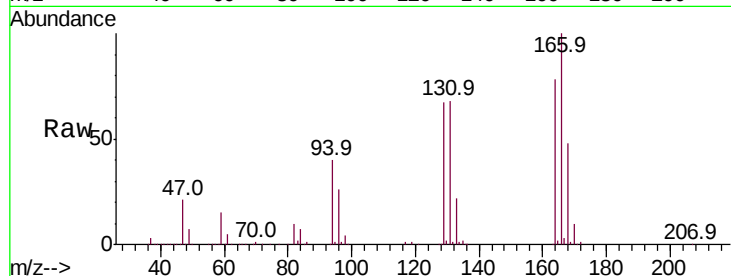
Ion Ratio Lower Upper

164 100

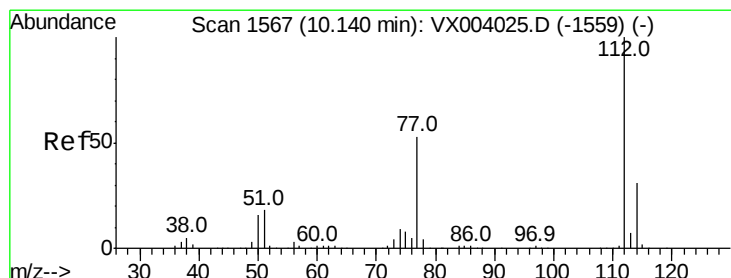
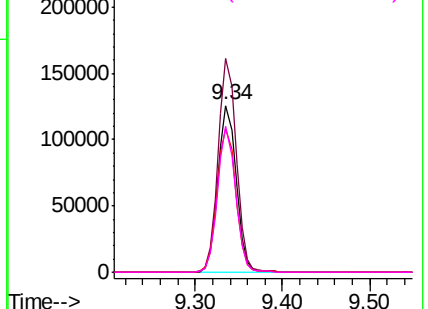
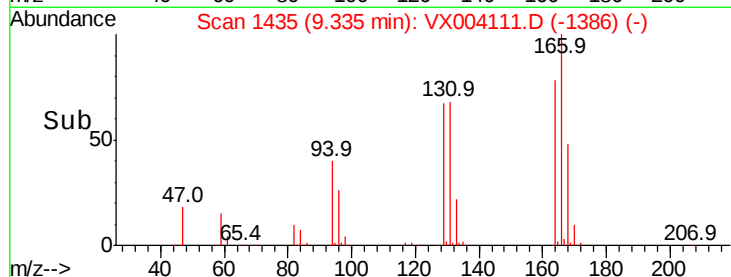
166 128.1 98.0 147.0

129 85.9 64.3 96.5

131 87.6 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
250000 Ion 165.80 (165.50 to 166.50): V
200000 Ion 128.80 (128.50 to 129.50): V
150000 Ion 130.80 (130.50 to 131.50): V
100000
50000
0



#65

Chlorobenzene

Concen: 48.300 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004111.D

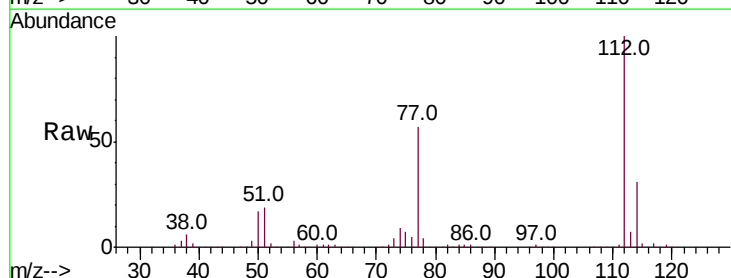
Acq: 16 Aug 2018 09:20

Tgt Ion:112 Resp: 519282

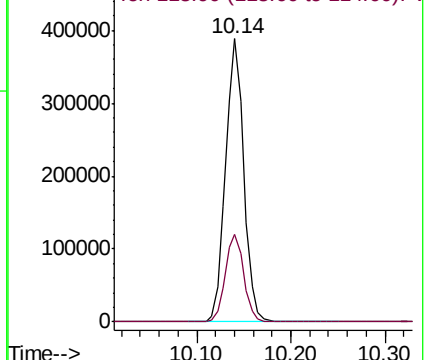
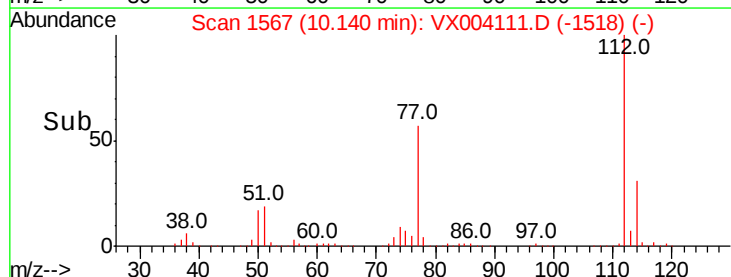
Ion Ratio Lower Upper

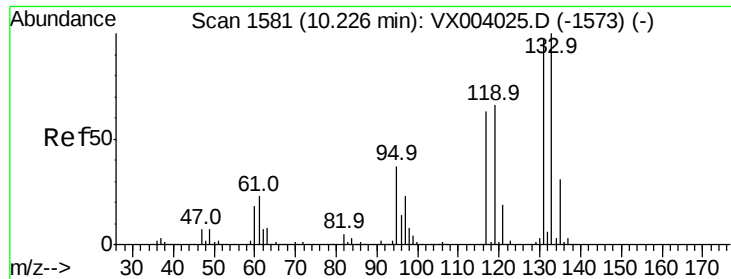
112 100

114 31.1 23.6 35.4



Abundance Ion 111.90 (111.60 to 112.60): V
400000 Ion 113.90 (113.60 to 114.60): V
300000
200000
100000
0

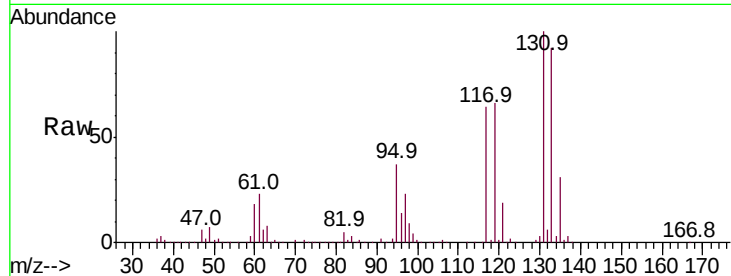




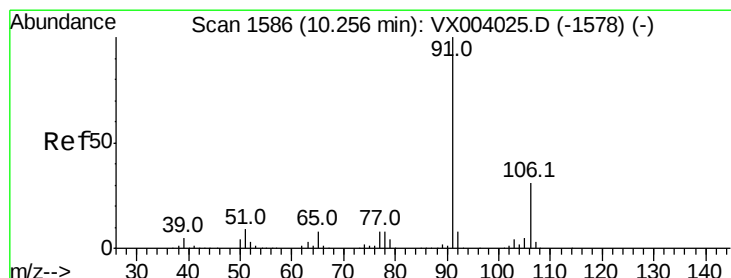
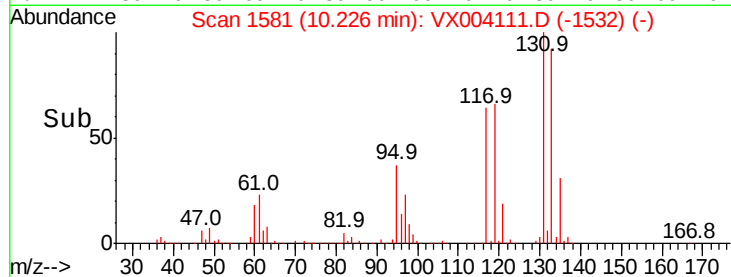
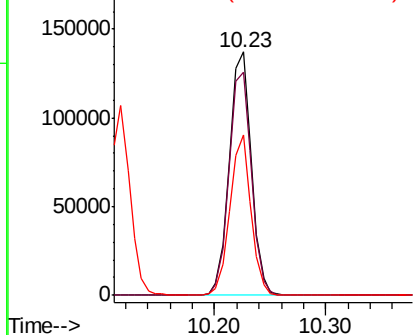
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.975 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	141.8
119	63.0	31.6	94.8

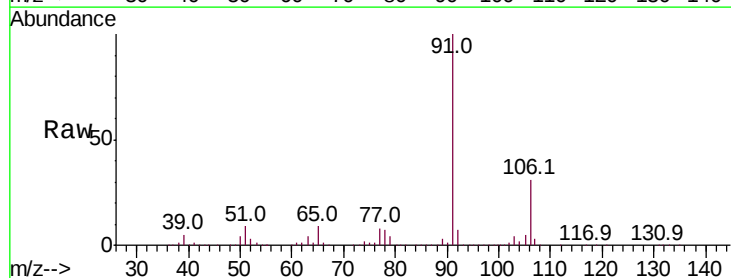


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

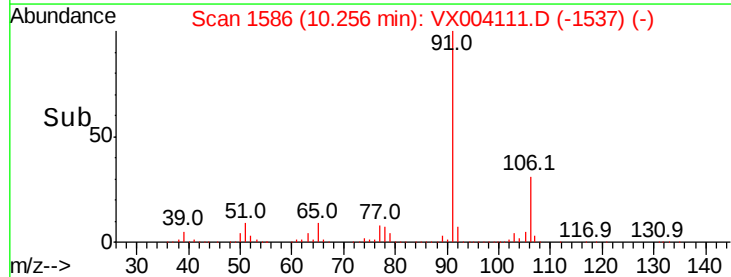
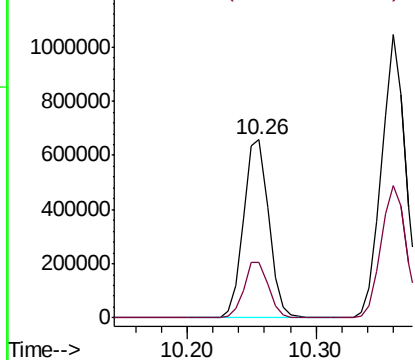


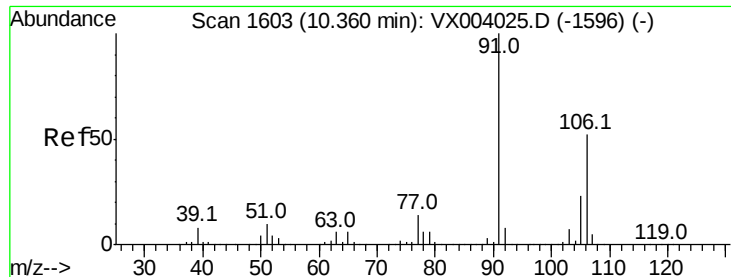
#67
 Ethyl Benzene
 Concen: 52.278 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.9	38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 106.00 (105.70 to 106.70): V

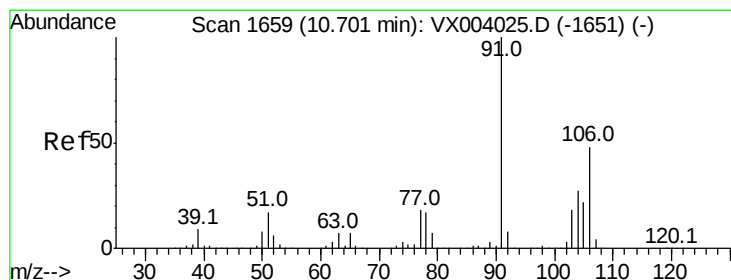
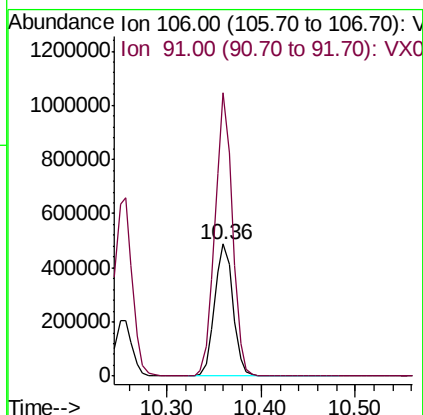
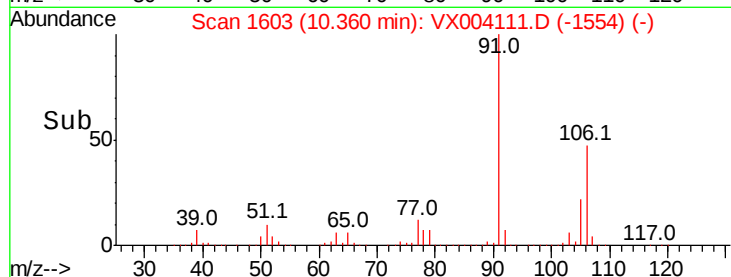
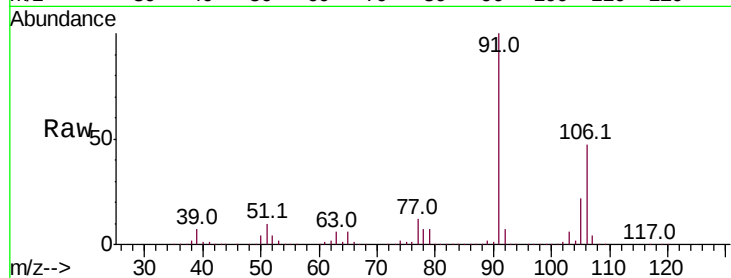




#68
m/p-Xylenes
Concen: 98.887 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

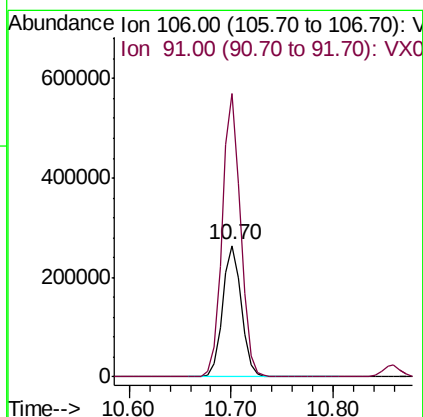
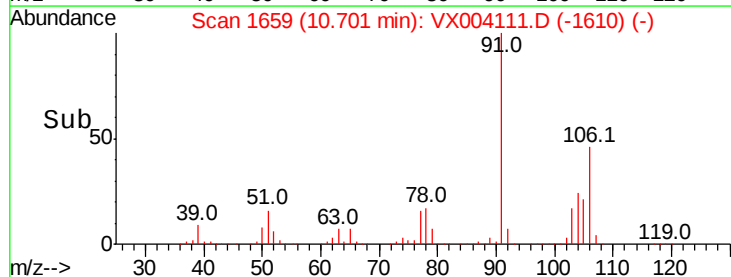
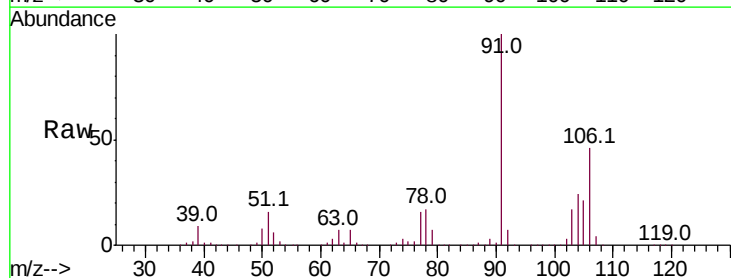
Instrument :
MSVOA_X
ClientSampled :

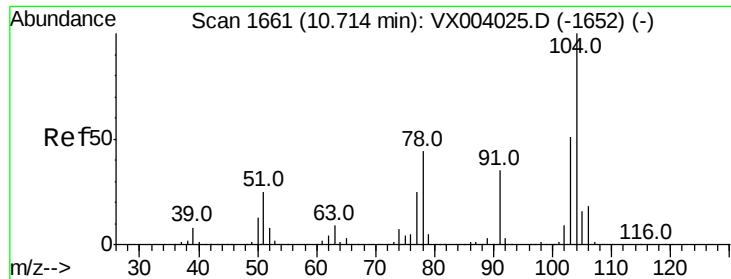
Tot Ion:106 Resp: 659248
Ion Ratio Lower Upper
106 100
91 204.7 162.3 243.5



#69
o-Xylene
Concen: 52.822 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Tgt Ion:106 Resp: 336541
Ion Ratio Lower Upper
106 100
91 212.2 101.9 305.7

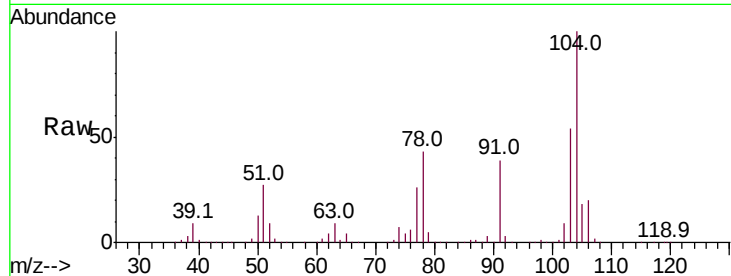




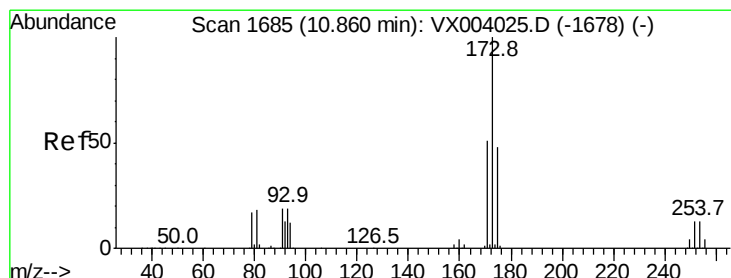
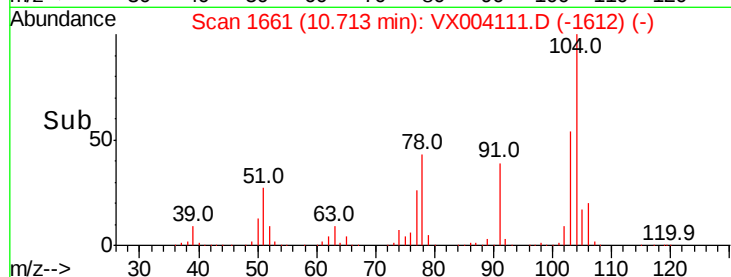
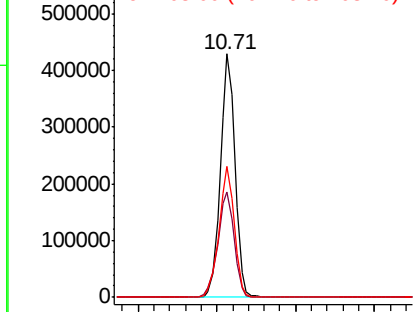
#70
Stvrene
Concen: 51.841 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:104 Resp: 555860
Ion Ratio Lower Upper
104 100
78 48.4 39.8 59.6
103 56.5 44.3 66.5

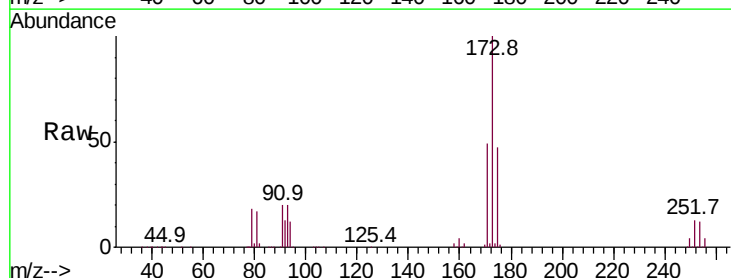


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

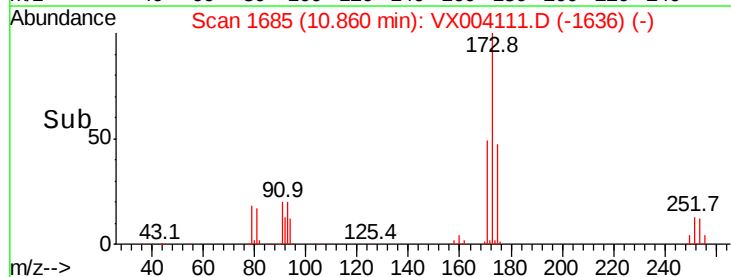
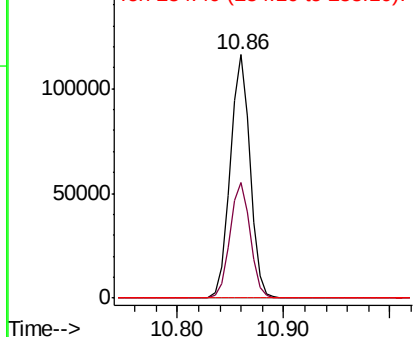


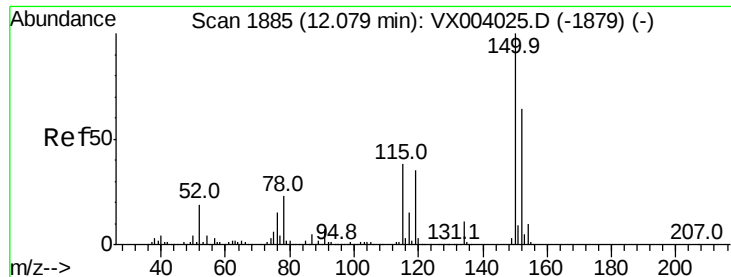
#71
Bromoform
Concen: 52.181 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Tgt Ion:173 Resp: 151727
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: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

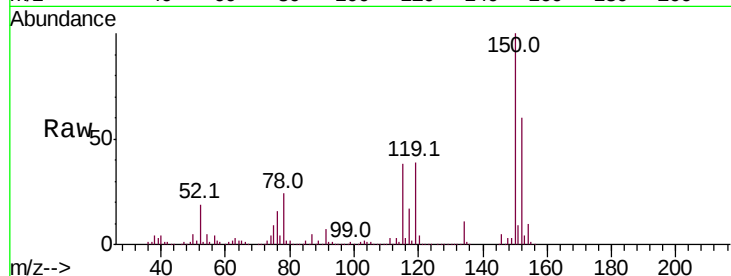
Tot Ion:152 Resp: 256361

Ion Ratio Lower Upper

152 100

115 77.9 39.1 117.3

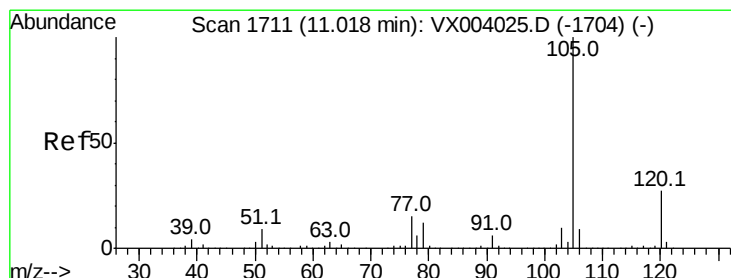
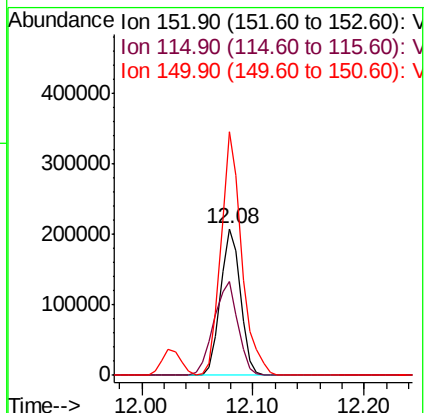
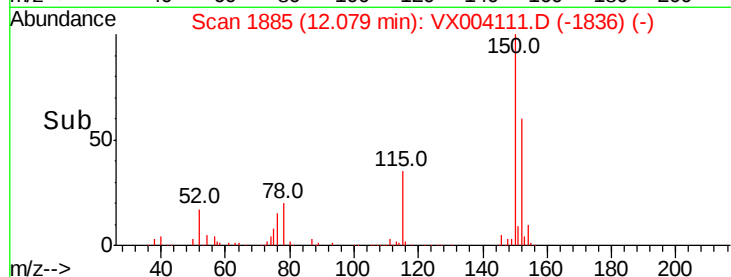
150 174.5 0.0 349.2



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: 52.714 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004111.D

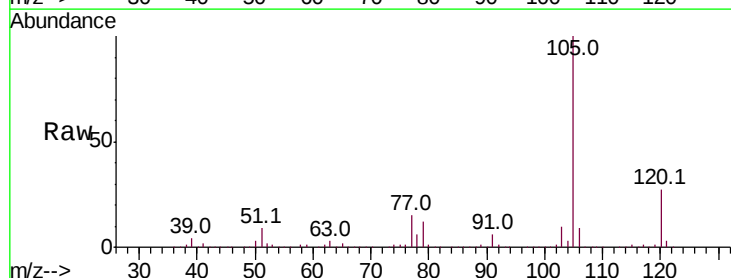
Acq: 16 Aug 2018 09:20

Tgt Ion:105 Resp: 914515

Ion Ratio Lower Upper

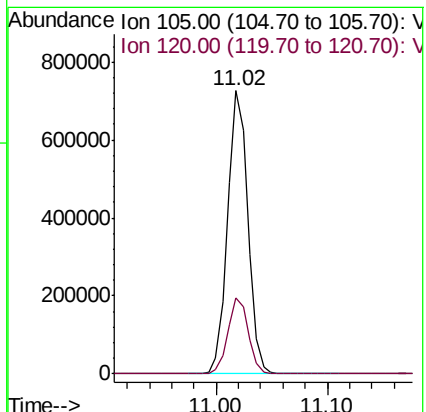
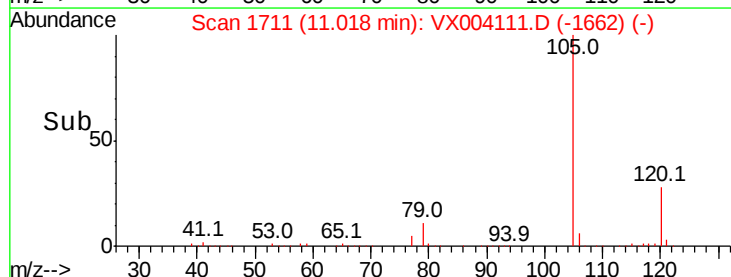
105 100

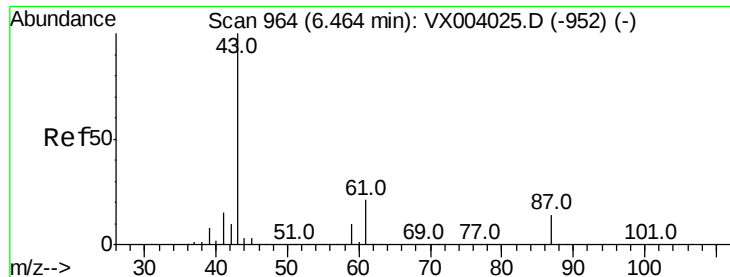
120 26.9 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.429 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 395181

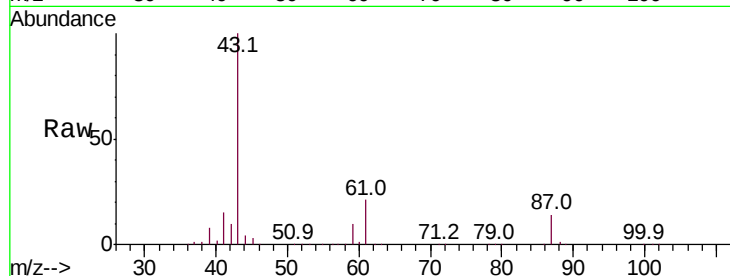
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 20.8 16.9 25.3

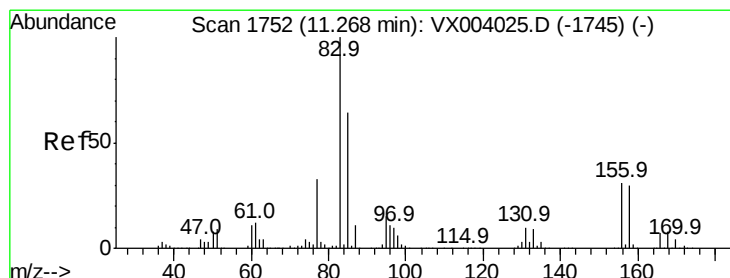
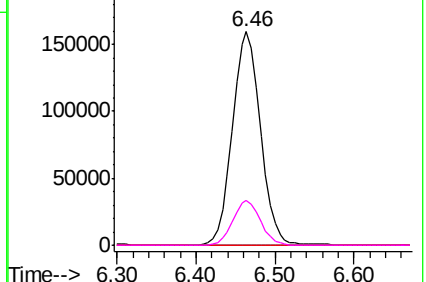
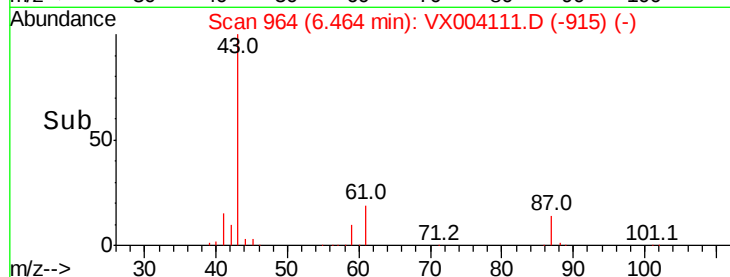


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.088 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

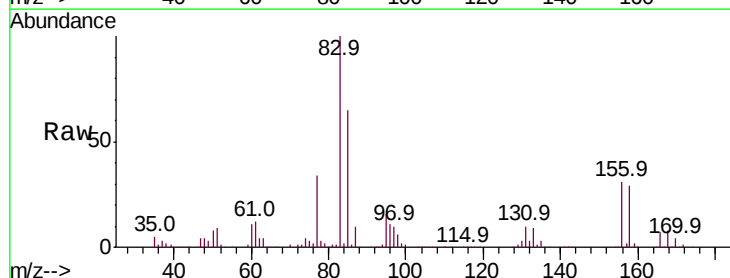
Tgt Ion: 83 Resp: 303455

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

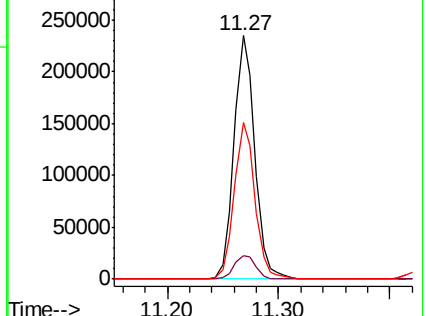
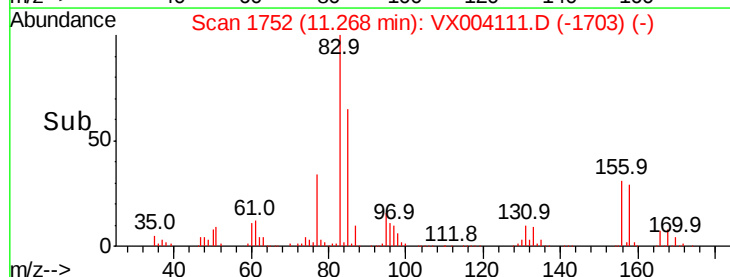
85 64.1 32.2 96.6

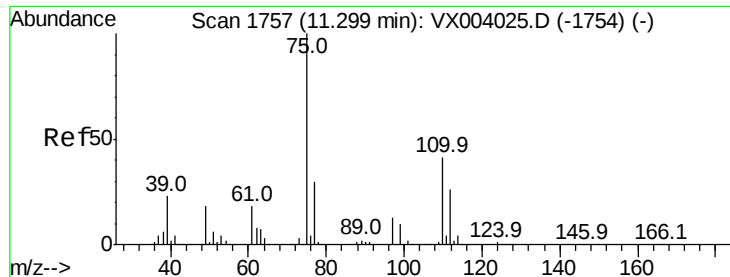


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



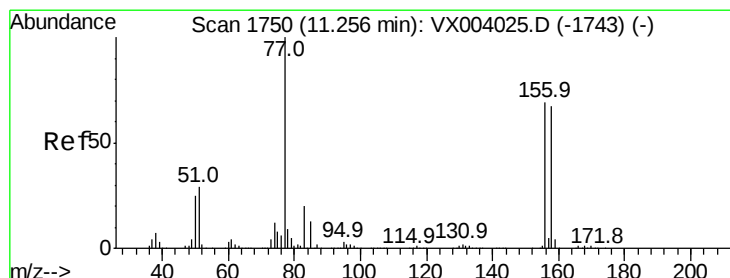
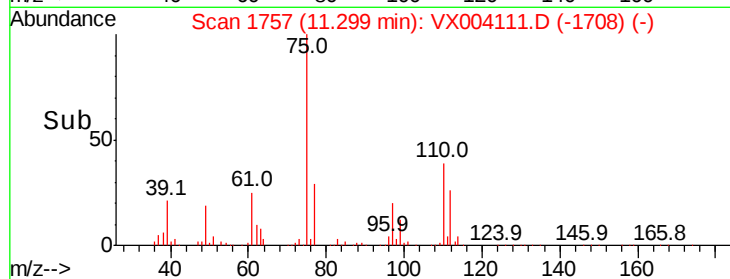
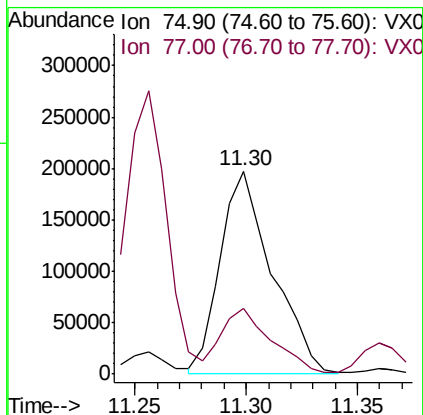
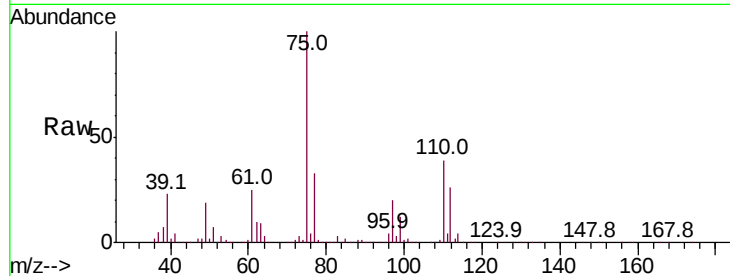


#76

1,2,3-Trichloropropane
Concen: 62.205 ug/l
RT: 11.30 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :

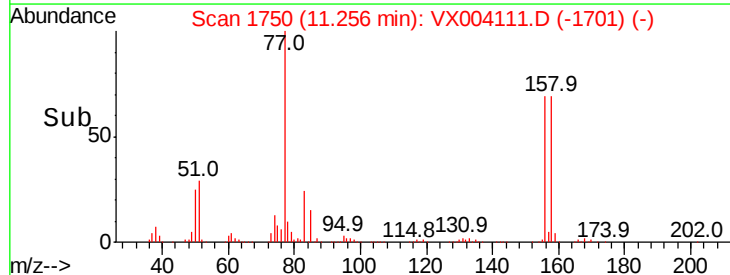
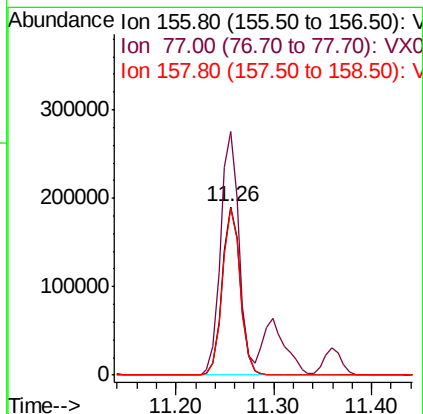
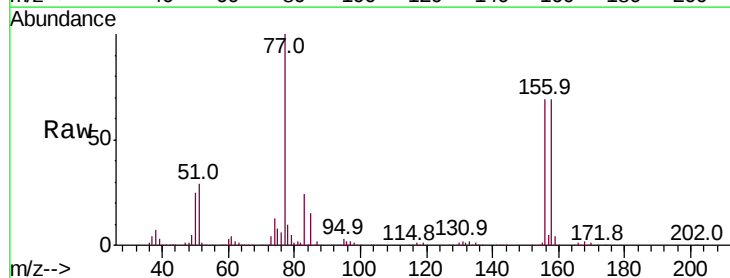
Tot Ion: 75 Resp: 319804
Ion Ratio Lower Upper
75 100
77 31.7 20.8 62.5

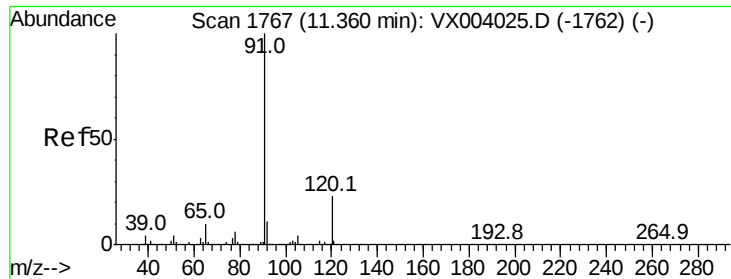


#77

Bromobenzene
Concen: 50.932 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Tgt Ion: 156 Resp: 243576
Ion Ratio Lower Upper
156 100
77 147.2 74.1 222.2
158 98.0 48.6 145.9





#78

n-propylbenzene

Concen: 50.248 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

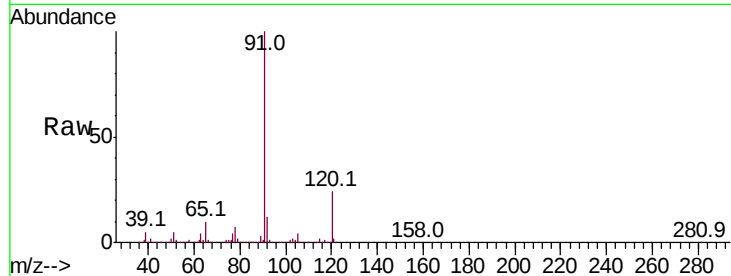
ClientSampleId :

Tot Ion: 91 Resp: 975555

Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

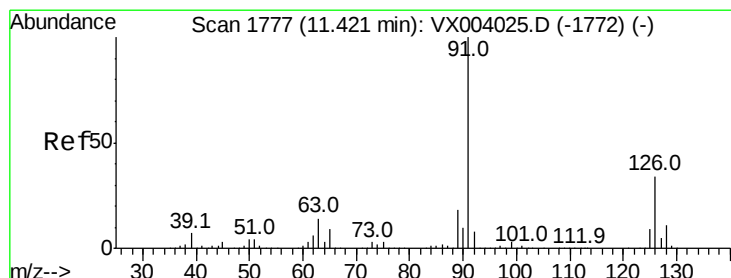
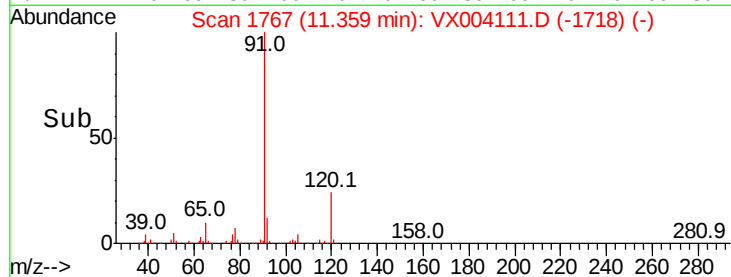
0

11.36

11.35

11.40

Time-->



#79

2-Chlorotoluene

Concen: 49.555 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004111.D

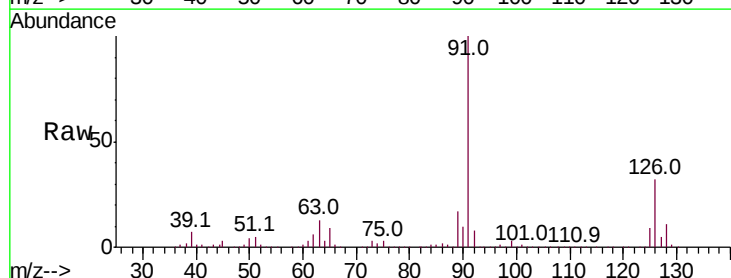
Acq: 16 Aug 2018 09:20

Tgt Ion: 91 Resp: 586320

Ion Ratio Lower Upper

91 100

126 34.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

800000

600000

400000

200000

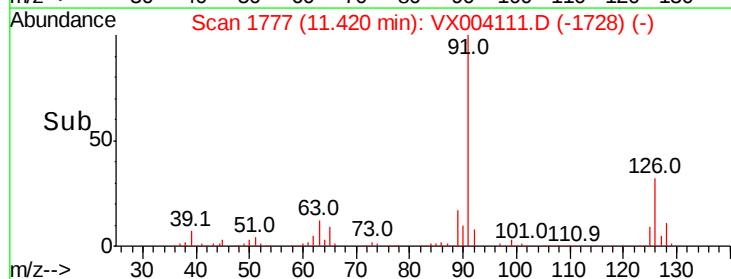
0

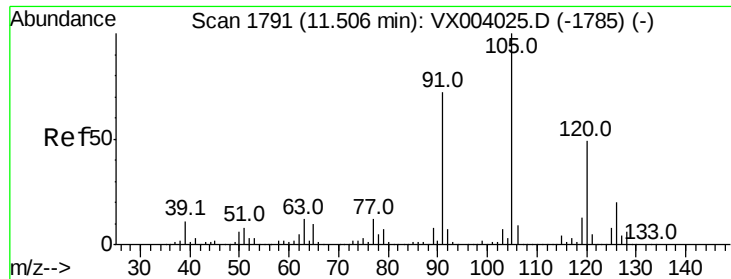
11.42

11.40

11.45

Time-->

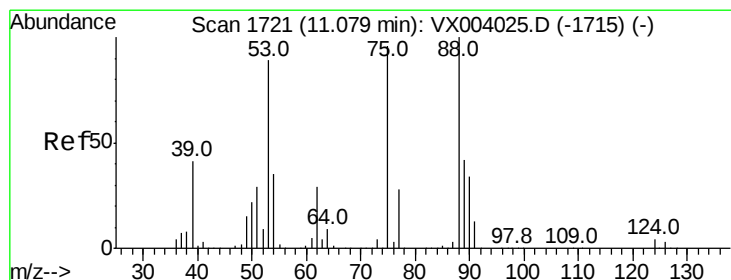
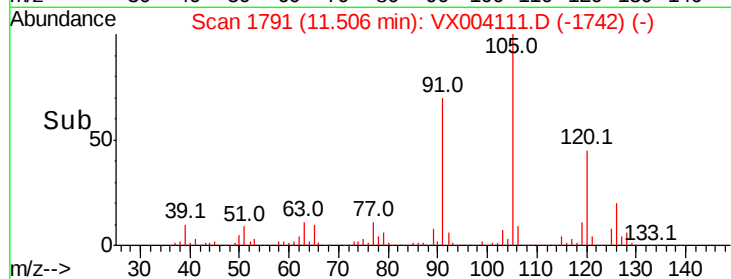
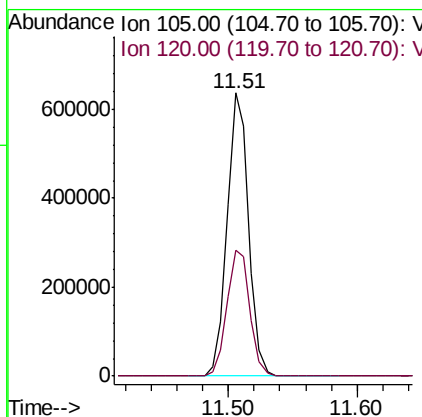
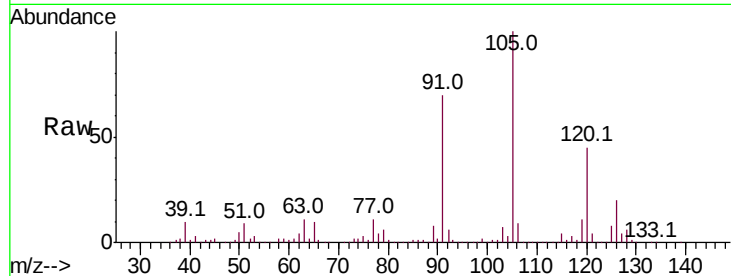




#80
 1,3,5-Trimethylbenzene
 Concen: 52.361 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

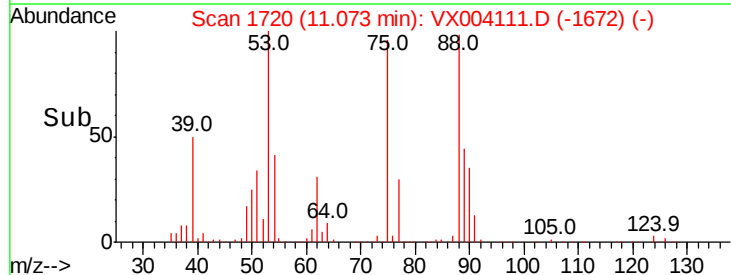
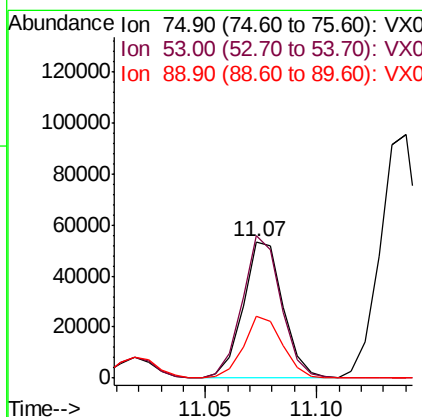
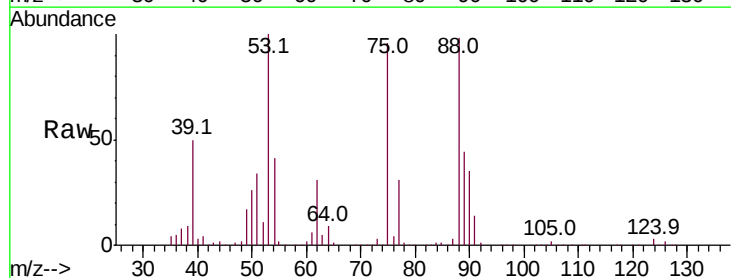
Instrument :
 MSVOA_X
 ClientSampled :

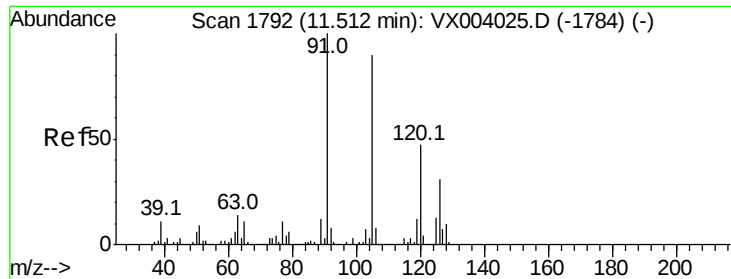
Tot Ion:105 Resp: 743811
 Ion Ratio Lower Upper
 105 100
 120 47.5 25.4 76.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 39.895 ug/l
 RT: 11.07 min Scan# 1720
 Delta R.T. -0.01 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Tgt Ion: 75 Resp: 66258
 Ion Ratio Lower Upper
 75 100
 53 102.1 80.3 120.5
 89 45.0 37.8 56.8





#82

4-Chlorotoluene

Concen: 49.285 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

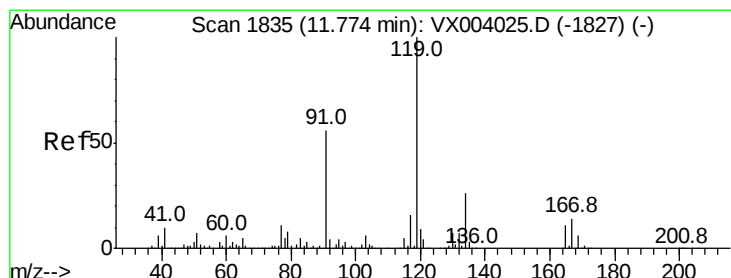
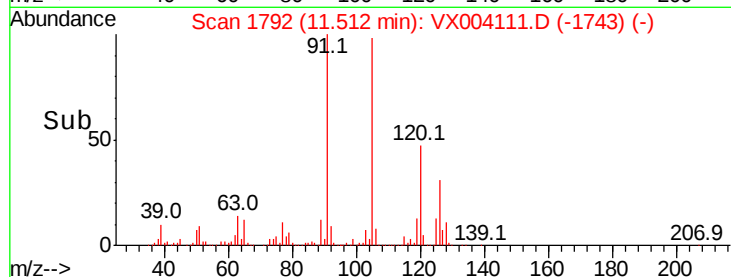
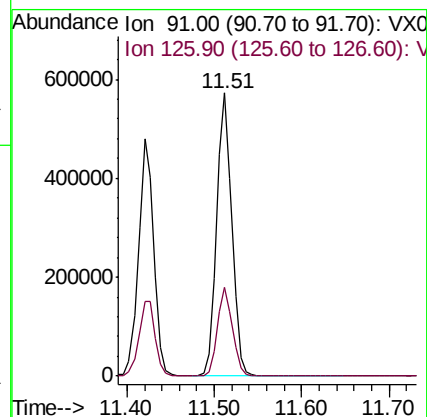
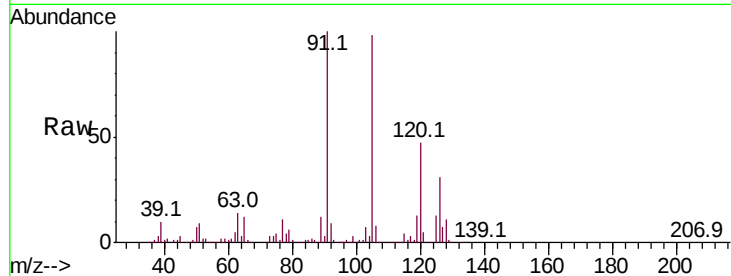
ClientSampled :

Tot Ion: 91 Resp: 689291

Ion Ratio Lower Upper

91 100

126 30.8 15.6 46.7



#83

tert-Butylbenzene

Concen: 51.182 ug/l

RT: 11.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

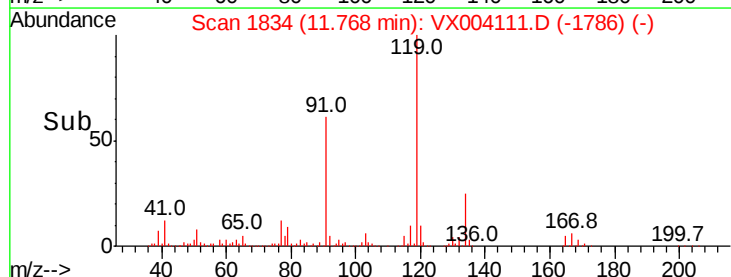
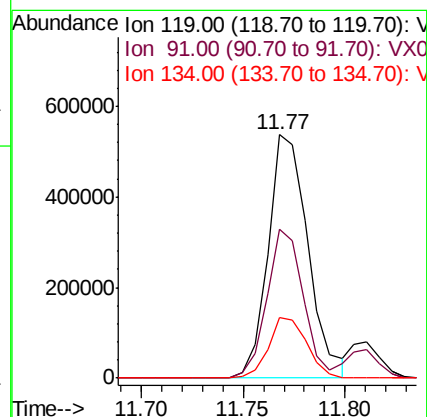
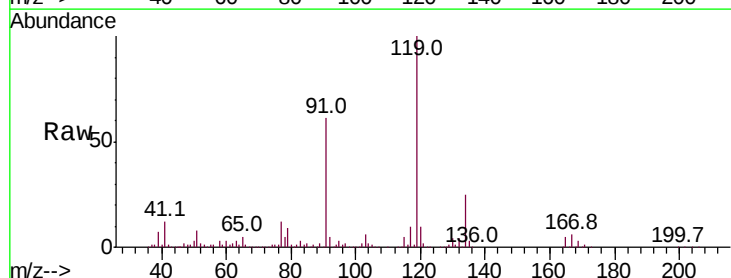
Tgt Ion: 119 Resp: 733064

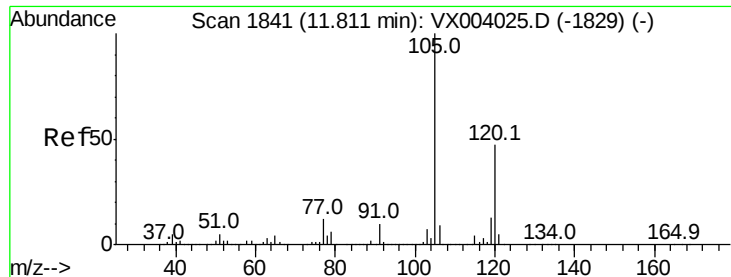
Ion Ratio Lower Upper

119 100

91 55.6 26.9 80.7

134 24.0 12.0 36.0





#84

1,2,4-Trimethylbenzene

Concen: 51.796 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

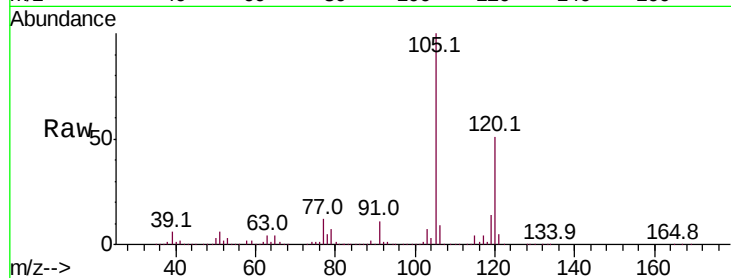
ClientSampleId :

Tot Ion:105 Resp: 762041

Ion Ratio Lower Upper

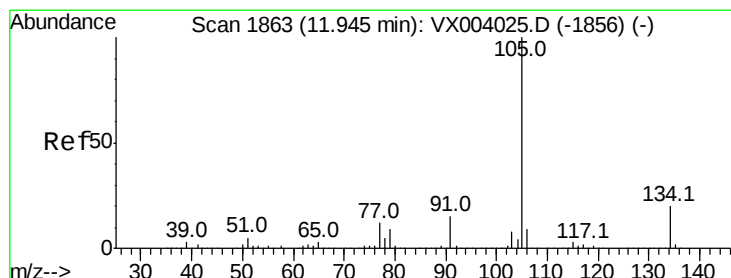
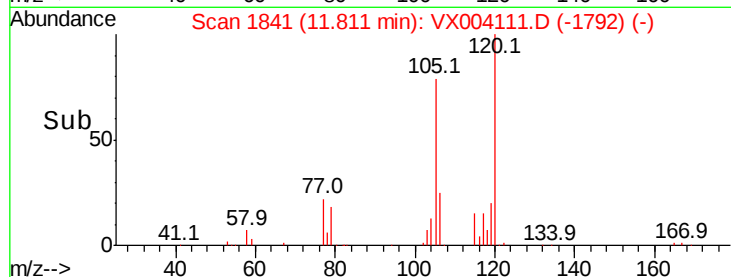
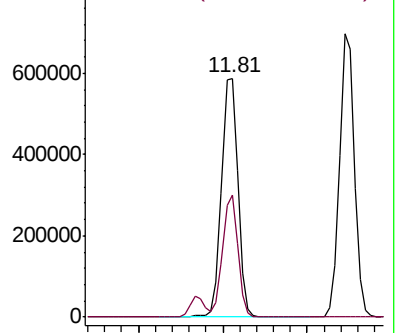
105 100

120 47.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 51.052 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004111.D

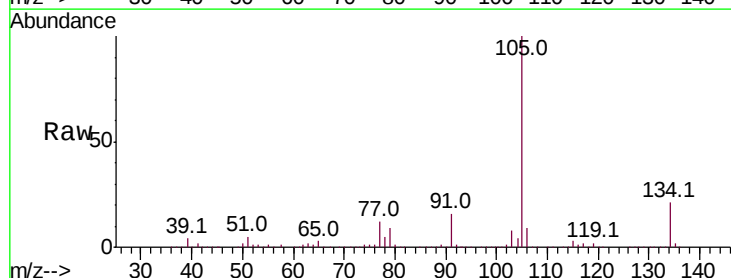
Acq: 16 Aug 2018 09:20

Tgt Ion:105 Resp: 855801

Ion Ratio Lower Upper

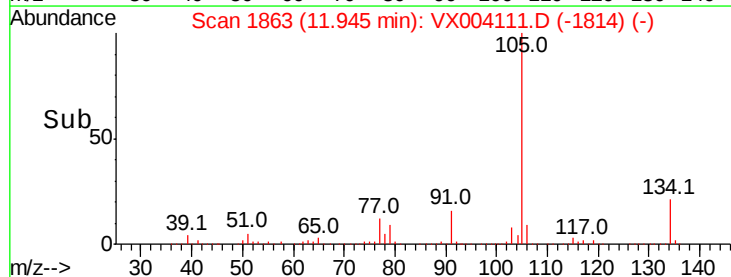
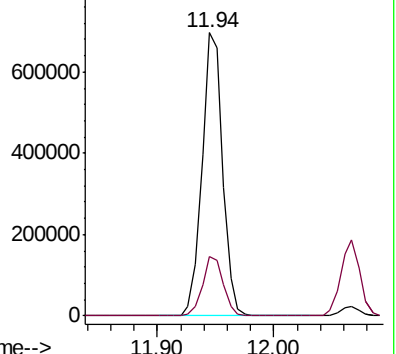
105 100

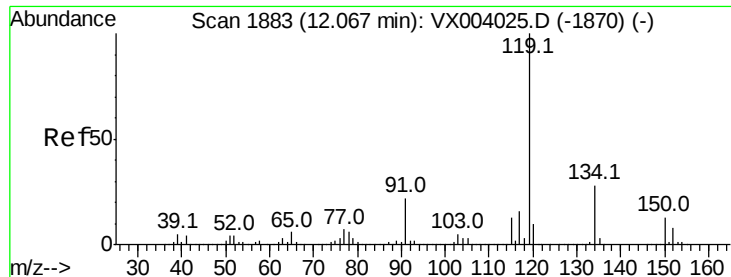
134 21.2 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

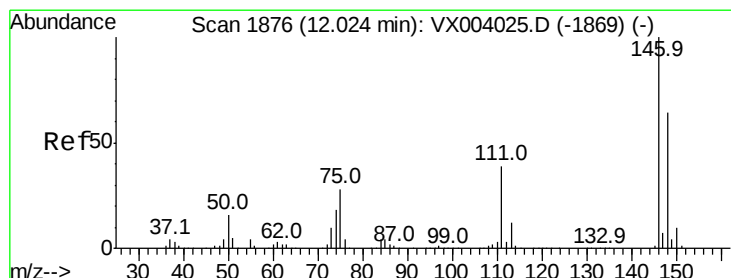
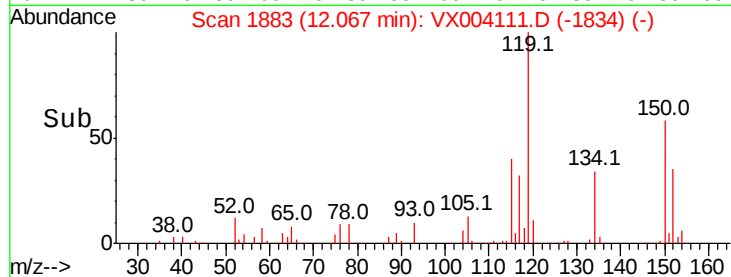
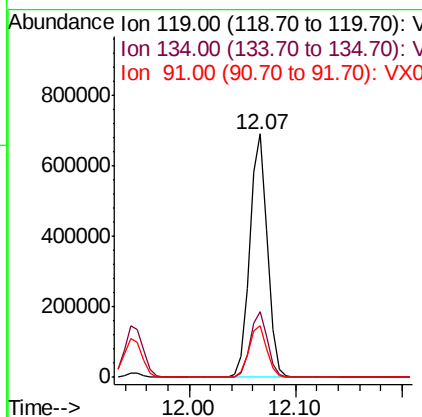
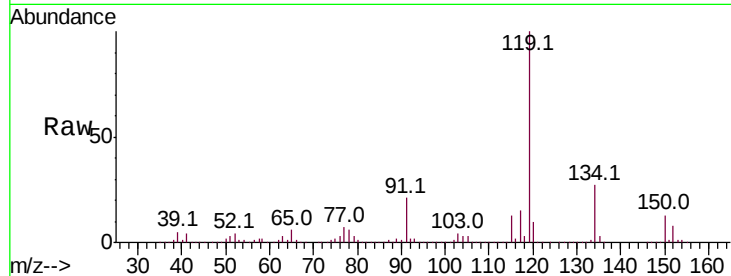




#86
 p-Isopropyltoluene
 Concen: 52.512 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

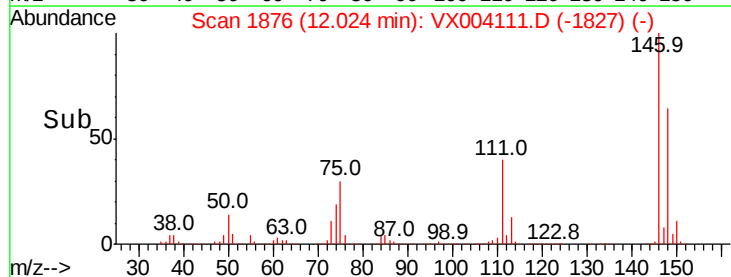
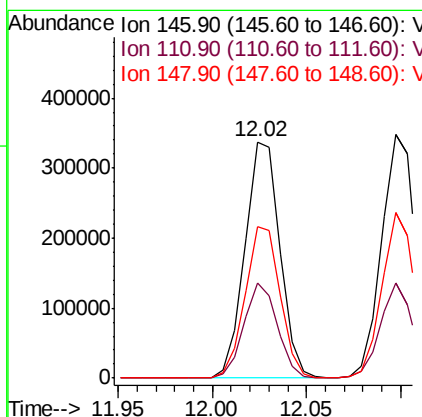
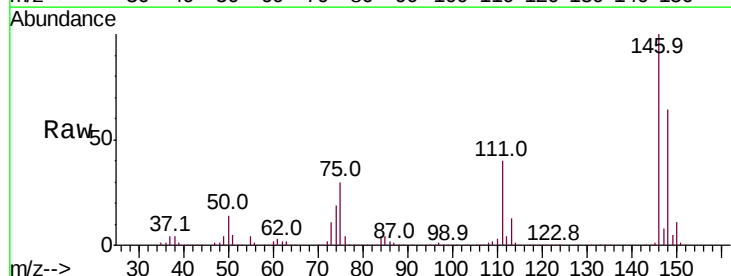
Instrument :
 MSVOA_X
 ClientSampled :

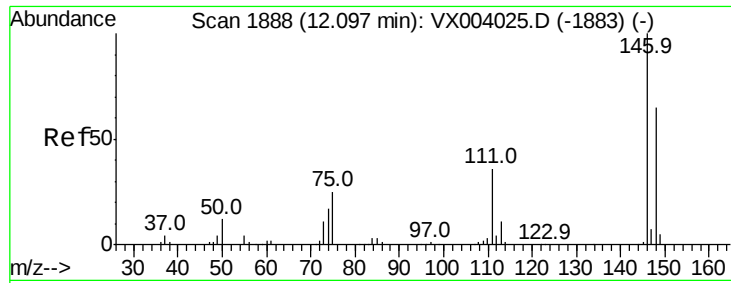
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	21.6	10.9	32.7



#87
 1,3-Dichlorobenzene
 Concen: 47.855 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.4
148	63.9	31.9	95.5





#88

1,4-Dichlorobenzene

Concen: 46.962 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

ClientSampled :

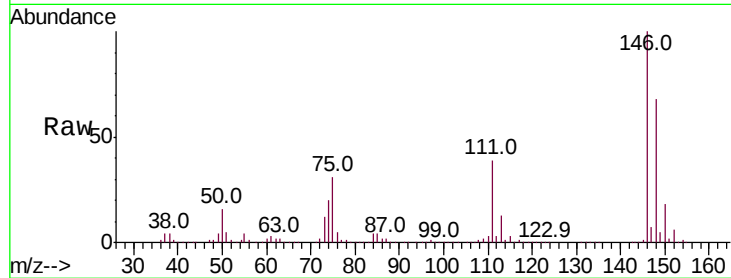
Tot Ion:146 Resp: 440855

Ion Ratio Lower Upper

146 100

111 37.5 18.4 55.0

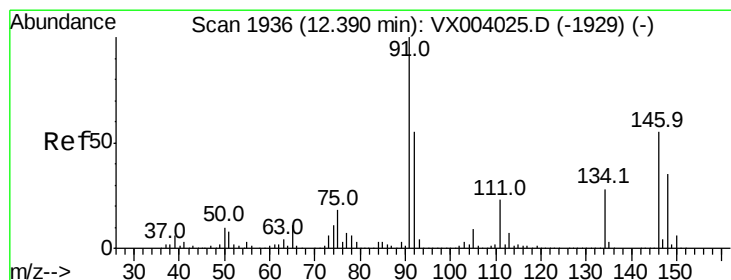
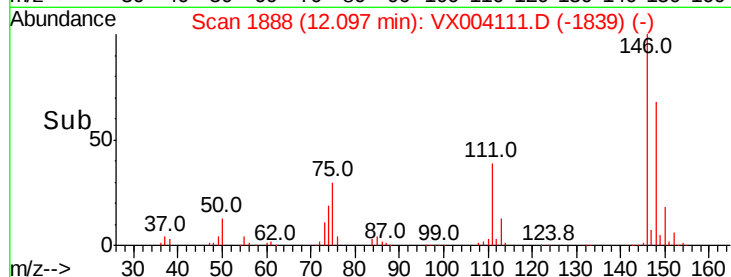
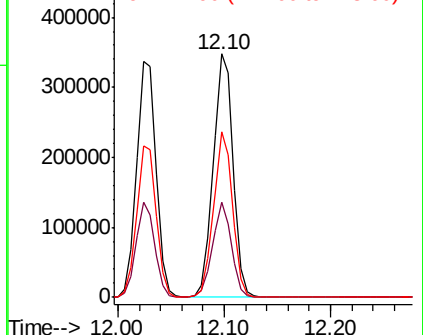
148 65.5 32.3 96.8



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



#89

n-Butylbenzene

Concen: 50.814 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

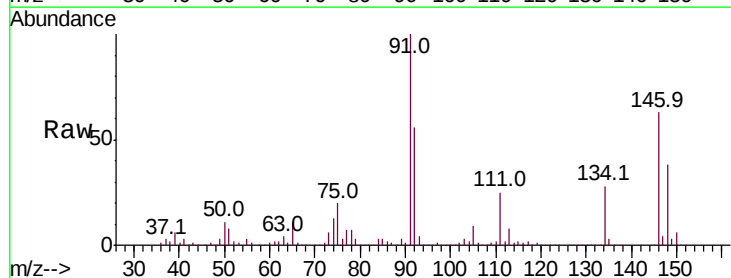
Tgt Ion: 91 Resp: 607648

Ion Ratio Lower Upper

91 100

92 53.0 27.1 81.3

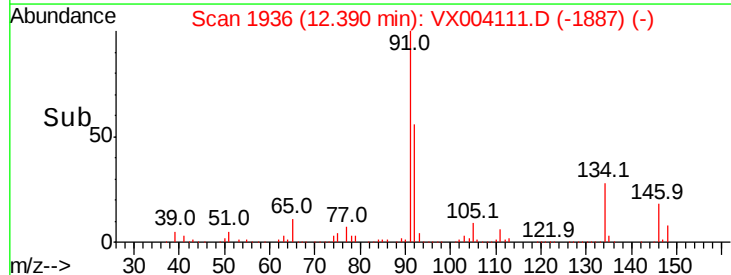
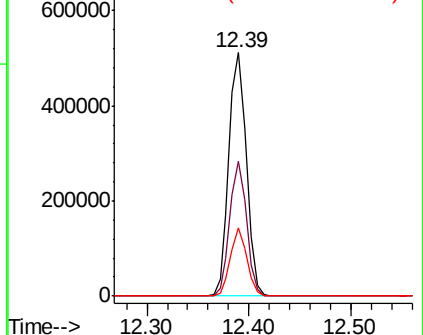
134 26.2 13.6 40.7

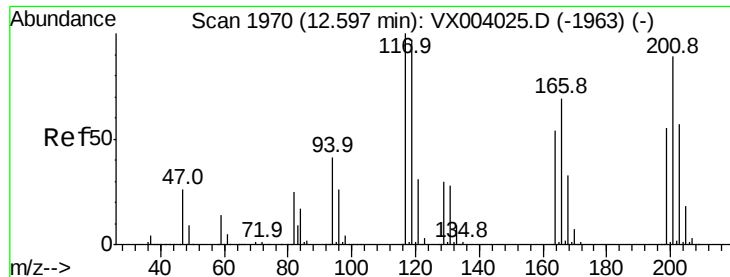


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

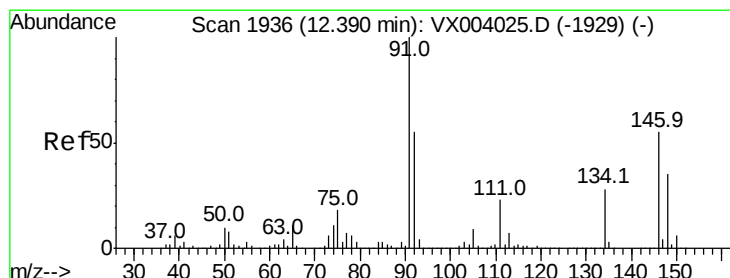
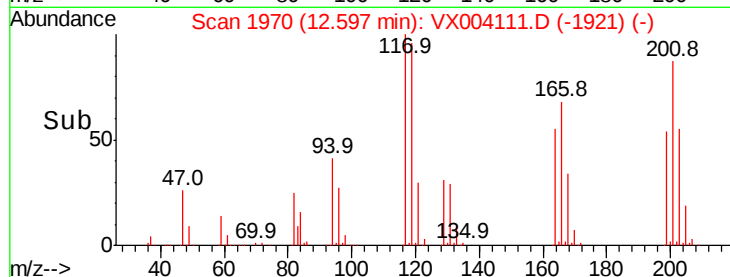
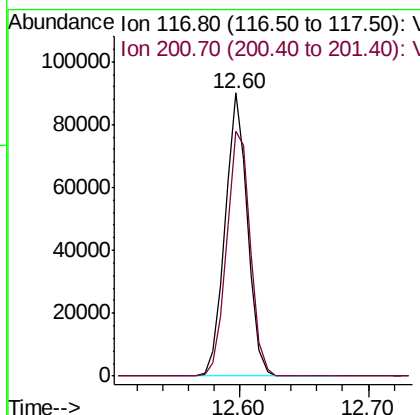
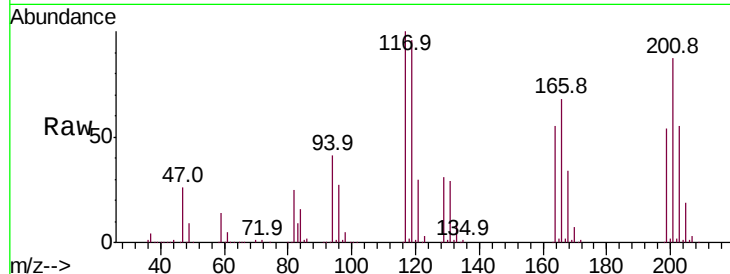




#90
Hexachloroethane
Concen: 48.490 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

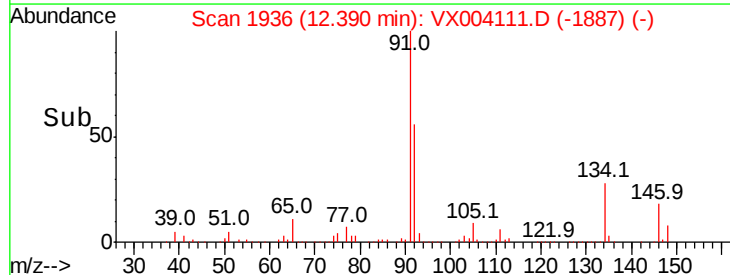
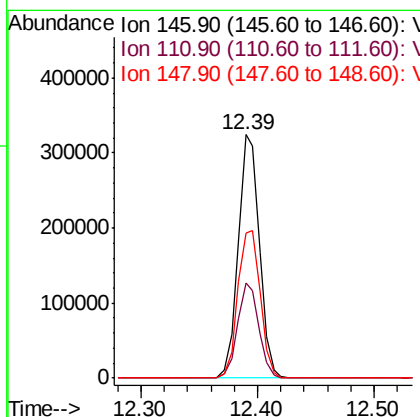
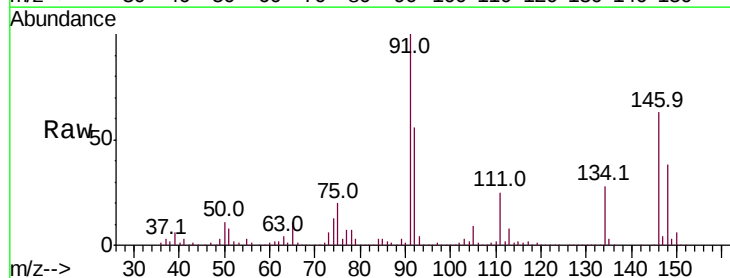
Instrument :
MSVOA_X
ClientSampled :

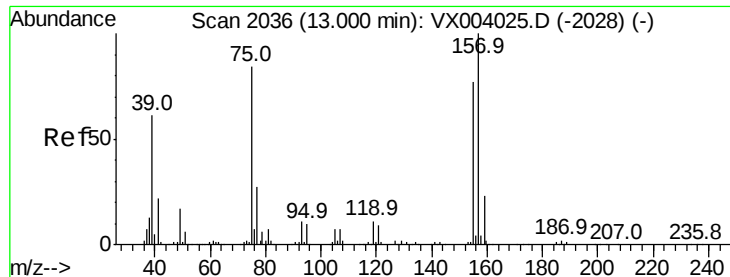
Tot Ion:117 Resp: 110106
Ion Ratio Lower Upper
117 100
201 91.4 46.1 138.2



#91
1,2-Dichlorobenzene
Concen: 49.840 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004111.D
Acq: 16 Aug 2018 09:20

Tgt Ion:146 Resp: 409985
Ion Ratio Lower Upper
146 100
111 39.2 19.7 59.0
148 64.3 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.703 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

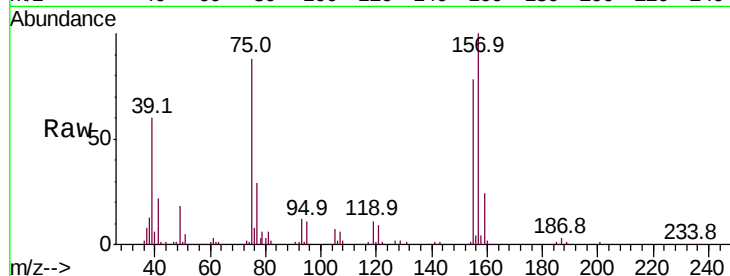
Tot Ion: 75 Resp: 52923

Ion Ratio Lower Upper

75 100

155 94.4 48.7 146.1

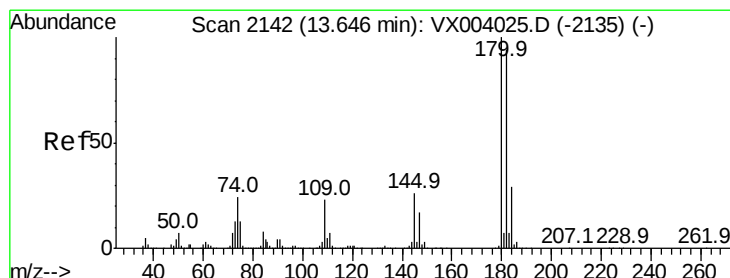
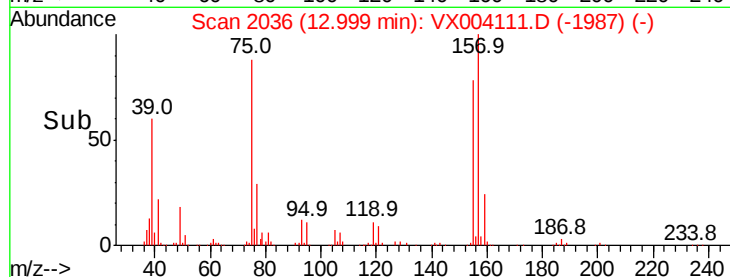
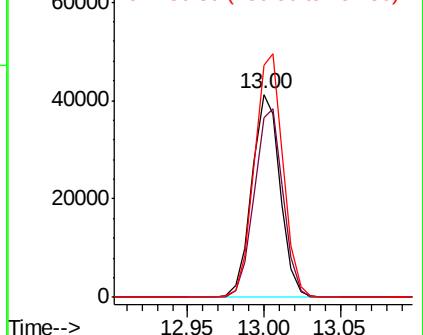
157 121.8 62.6 187.8



Abundance Ion 74.90 (74.60 to 75.60): VX004025.D (-2028) (-)

Ion 154.80 (154.50 to 155.50): VX004025.D (-2028) (-)

Ion 156.80 (156.50 to 157.50): VX004025.D (-2028) (-)



#93

1,2,4-Trichlorobenzene

Concen: 51.358 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

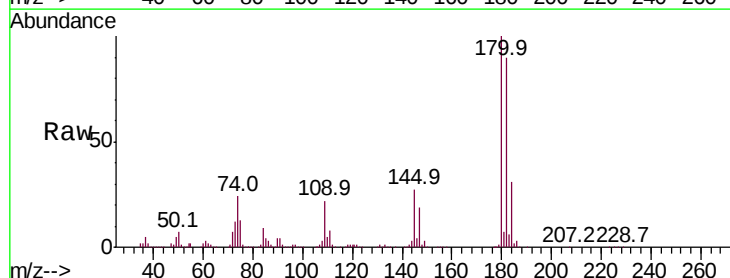
Tgt Ion:180 Resp: 288789

Ion Ratio Lower Upper

180 100

182 94.2 47.7 143.1

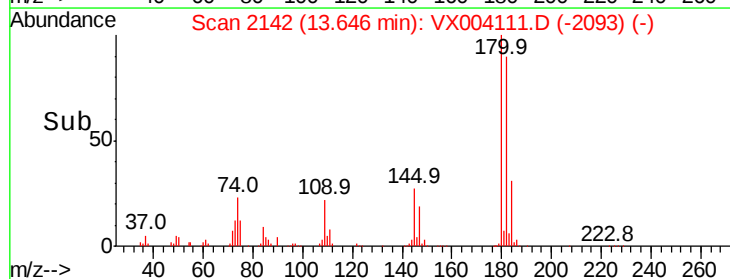
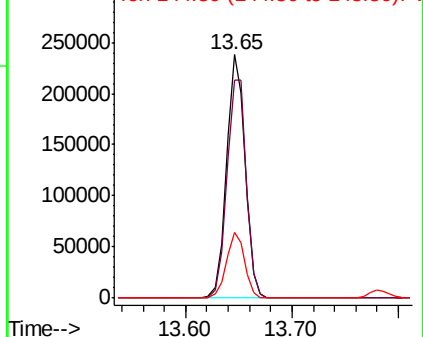
145 26.7 13.9 41.6

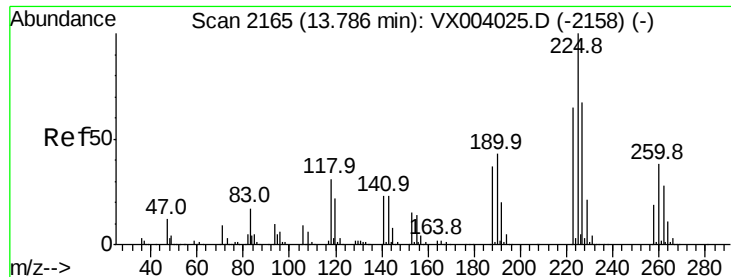


Abundance Ion 179.80 (179.50 to 180.50): VX004025.D (-2135) (-)

Ion 181.80 (181.50 to 182.50): VX004025.D (-2135) (-)

Ion 144.80 (144.50 to 145.50): VX004025.D (-2135) (-)





#94

Hexachlorobutadiene

Concen: 44.658 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

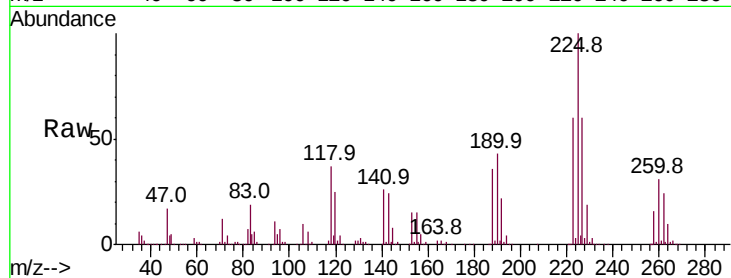
Tot Ion:225 Resp: 125876

Ion Ratio Lower Upper

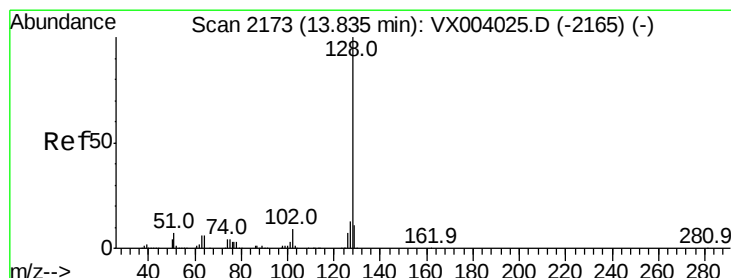
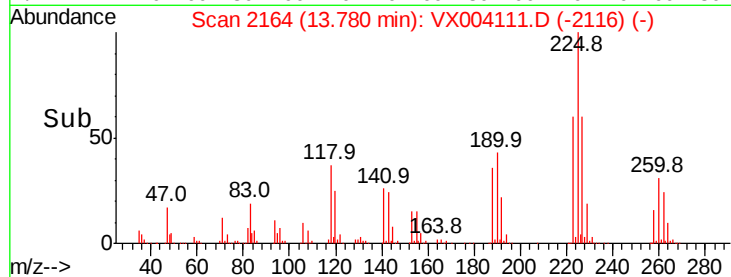
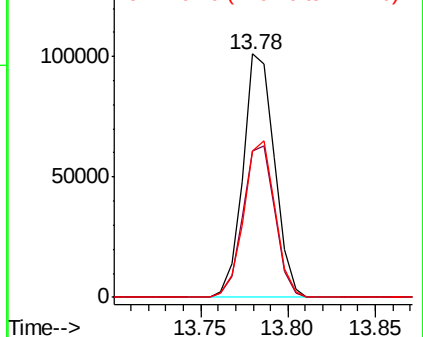
225 100

223 63.2 31.4 94.0

227 64.0 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



#95

Naphthalene

Concen: 52.534 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

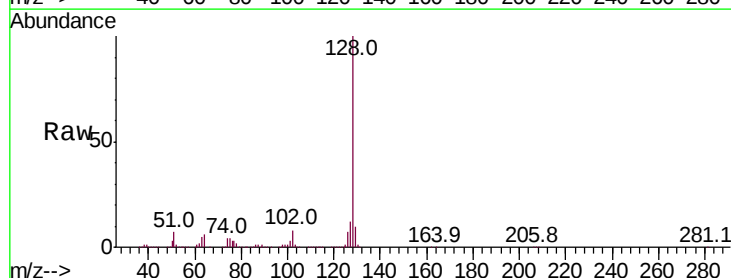
Tgt Ion:128 Resp: 942703

Ion Ratio Lower Upper

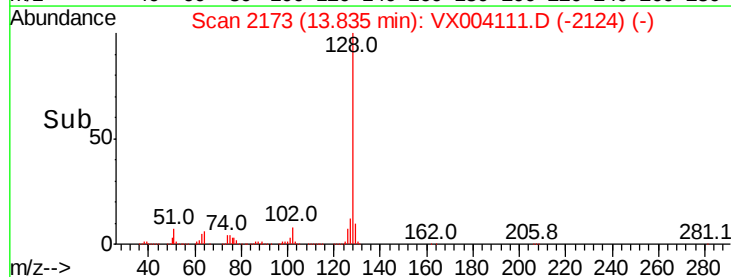
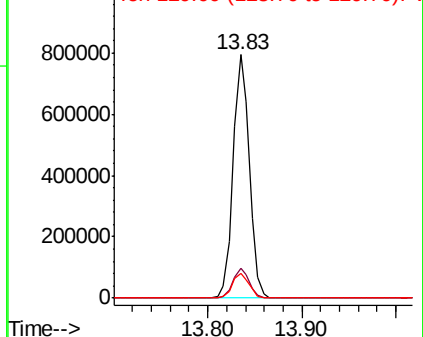
128 100

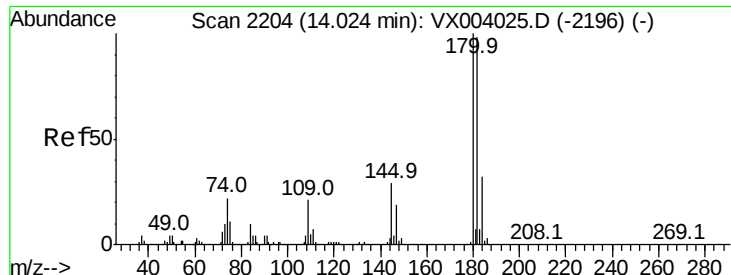
127 12.3 10.2 15.2

129 10.6 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

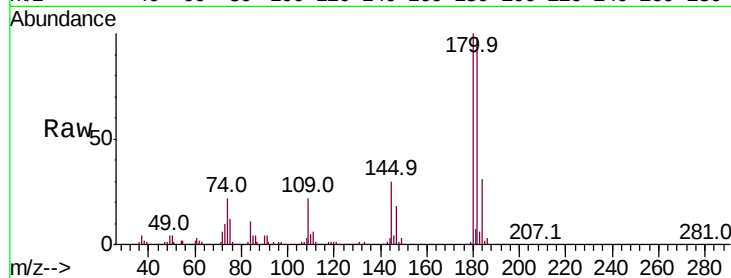




#96
 1,2,3-Trichlorobenzene
 Concen: 50.353 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX004111.D
 Acq: 16 Aug 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.1	144.4
145	31.0	14.9	44.7



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

