

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006424.D
 Acq On : 11 Dec 2018 16:51
 Operator : JC/MD
 Sample : VX1211WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 12 04:37:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	627764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	954848	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	862782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	447680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	336588	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
35) Dibromofluoromethane	5.51	113	315471	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	8.71	98	1150613	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.13	95	442923	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	123708	20.126	ug/l	99
3) Chloromethane	1.33	50	119055	18.848	ug/l	97
4) Vinyl Chloride	1.41	62	131285	19.312	ug/l	95
5) Bromomethane	1.64	94	97496	20.694	ug/l	99
6) Chloroethane	1.72	64	84633	20.304	ug/l	98
7) Trichlorofluoromethane	1.93	101	203971	19.546	ug/l	95
8) Diethyl Ether	2.19	74	81091	20.532	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	118982	20.052	ug/l	99
10) Methyl Iodide	2.51	142	123133	13.770	ug/l	99
11) Tert butyl alcohol	3.07	59	183044	104.443	ug/l	99
12) 1,1-Dichloroethene	2.38	96	112398	19.787	ug/l	91
13) Acrolein	2.29	56	95228	99.414	ug/l	99
14) Allyl chloride	2.73	41	199296	17.761	ug/l	98
15) Acrylonitrile	3.15	53	363642	99.432	ug/l	99
16) Acetone	2.45	43	307416	102.218	ug/l	96
17) Carbon Disulfide	2.57	76	274299	15.671	ug/l	100
18) Methyl Acetate	2.78	43	210853	20.965	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	411764	20.320	ug/l	97
20) Methylene Chloride	2.86	84	129481	20.230	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	118867	19.636	ug/l	96
22) Diisopropyl ether	3.87	45	363638	20.748	ug/l	94
23) Vinyl Acetate	3.82	43	1464565	97.972	ug/l	100
24) 1,1-Dichloroethane	3.70	63	209131	20.876	ug/l	99
25) 2-Butanone	4.70	43	452848	105.529	ug/l	99
26) 2,2-Dichloropropane	4.59	77	163237	17.656	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	143757	21.290	ug/l	95
28) Bromochloromethane	5.02	49	95228	21.763	ug/l	99
29) Tetrahydrofuran	5.15	42	300057	100.610	ug/l	98
30) Chloroform	5.21	83	216261	20.542	ug/l	96
31) Cyclohexane	5.57	56	174676	18.867	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	197196	19.687	ug/l	99
36) 1,1-Dichloropropene	5.79	75	154442	19.207	ug/l	99
37) Ethyl Acetate	4.85	43	171203	19.013	ug/l	98
38) Carbon Tetrachloride	5.79	117	170060	17.978	ug/l	99

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 ClientSampleId :

Quant Time: Dec 12 04:37:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	193141	18.505	ug/l	98
40) Benzene	6.14	78	483961	20.096	ug/l	98
41) Methacrylonitrile	5.06	41	95423	19.259	ug/l	97
42) 1,2-Dichloroethane	6.20	62	162879	20.665	ug/l	99
43) Isopropyl Acetate	6.46	43	277800	18.504	ug/l	99
44) Trichloroethene	7.21	130	141914	19.452	ug/l	98
45) 1,2-Dichloropropane	7.51	63	123512	20.179	ug/l	99
46) Dibromomethane	7.66	93	87539	19.803	ug/l	96
47) Bromodichloromethane	7.90	83	155268	18.138	ug/l	98
48) Methyl methacrylate	7.77	41	138469	18.958	ug/l	98
49) 1,4-Dioxane	7.75	88	74770	415.358	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	877572	100.410	ug/l	97
52) Toluene	8.79	92	317546	20.042	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	170193	17.000	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	186127	17.904	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	135677	21.078	ug/l	99
56) Ethyl methacrylate	9.18	69	199484	19.824	ug/l	97
57) 1,3-Dichloropropane	9.37	76	206930	20.330	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	473413	92.711	ug/l	100
59) 2-Hexanone	9.49	43	670089	100.353	ug/l	99
60) Dibromochloromethane	9.58	129	137091	17.272	ug/l	100
61) 1,2-Dibromoethane	9.67	107	143822	19.983	ug/l	100
64) Tetrachloroethene	9.34	164	130445	20.076	ug/l	99
65) Chlorobenzene	10.14	112	375390	20.496	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	133573	18.771	ug/l	98
67) Ethyl Benzene	10.25	91	617577	20.274	ug/l	98
68) m/p-Xylenes	10.36	106	492000	40.321	ug/l	100
69) o-Xylene	10.70	106	241846	20.066	ug/l	99
70) Styrene	10.71	104	391444	20.081	ug/l	99
71) Bromoform	10.86	173	102701	15.289	ug/l #	99
73) Isopropylbenzene	11.02	105	642961	20.797	ug/l	100
74) N-amyl acetate	10.90	43	248628	18.675	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	207945	21.024	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	228027	26.389	ug/l	87
77) Bromobenzene	11.26	156	175217	20.422	ug/l	100
78) n-propylbenzene	11.36	91	697709	20.302	ug/l	99
79) 2-Chlorotoluene	11.42	91	418188	20.473	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	540275	21.003	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	55933	15.190	ug/l	85
82) 4-Chlorotoluene	11.51	91	486168	20.472	ug/l	99
83) tert-Butylbenzene	11.77	119	564761	20.577	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	554504	20.876	ug/l	99
85) sec-Butylbenzene	11.94	105	642573	20.580	ug/l	99
86) p-Isopropyltoluene	12.06	119	576538	20.506	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	314601	20.607	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	312588	20.173	ug/l	99
89) n-Butylbenzene	12.39	91	470836	19.627	ug/l	100
90) Hexachloroethane	12.60	117	95089	16.594	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	315919	20.851	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45271	17.855	ug/l	95

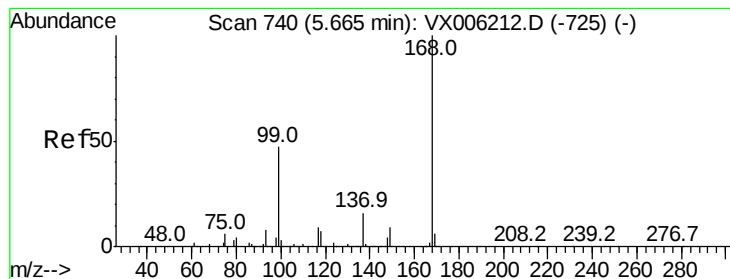
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	221155	20.007	ug/l	100
94) Hexachlorobutadiene	13.78	225	98887	20.228	ug/l	99
95) Naphthalene	13.83	128	718596	20.899	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	220950	20.181	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

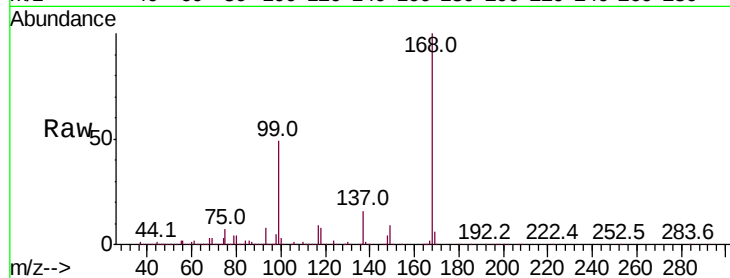
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 627764

Ion Ratio Lower Upper

168 100

99 49.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

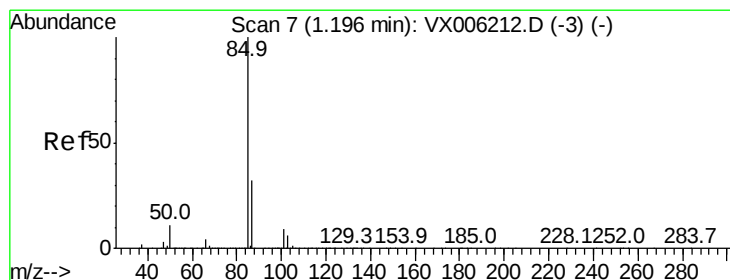
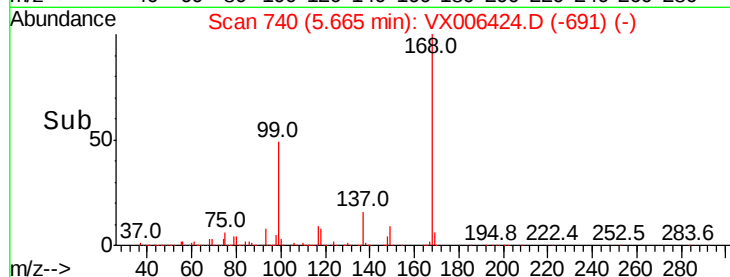
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.126 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006424.D

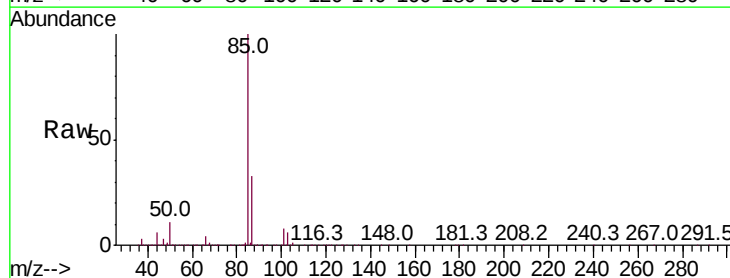
Acq: 11 Dec 2018 16:51

Tgt Ion: 85 Resp: 123708

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

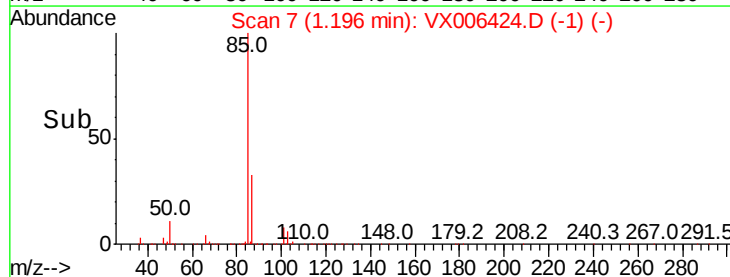
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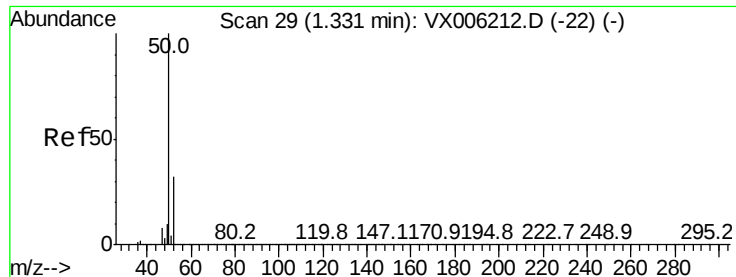
40000

20000

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Time--> 1.15 1.20 1.25 1.30

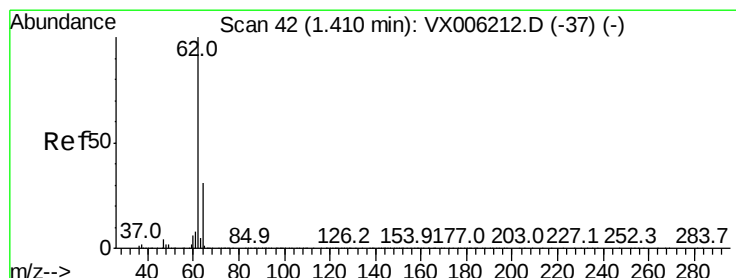
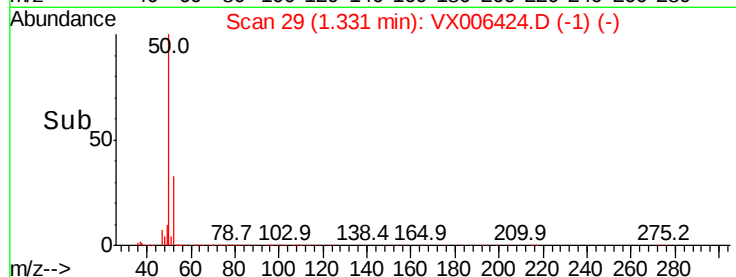
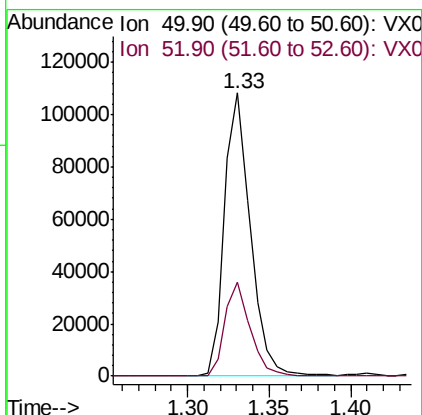
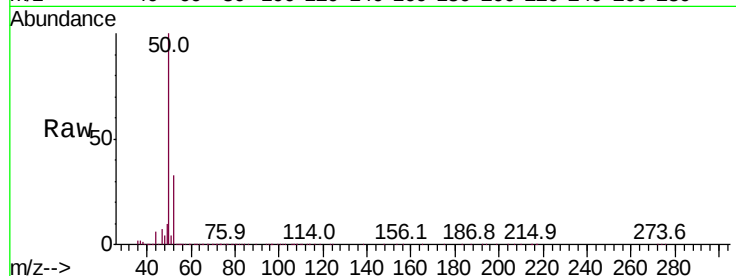




#3
Chloromethane
Concen: 18.848 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

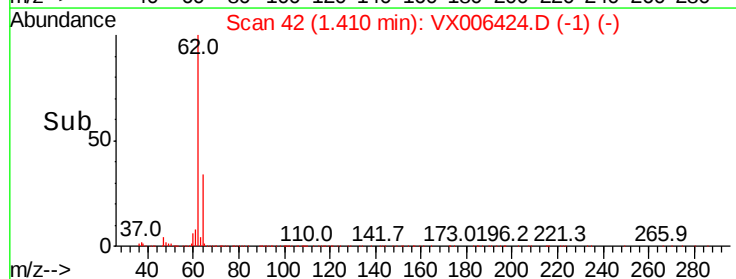
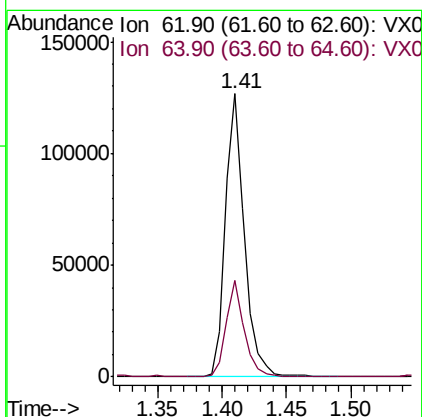
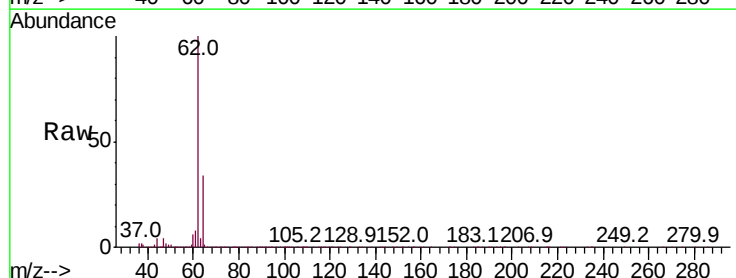
Instrument :
MSVOA_X
ClientSampleId :

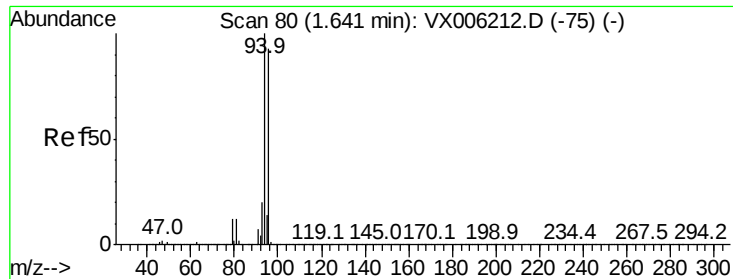
Tot Ion: 50 Resp: 119055
Ion Ratio Lower Upper
50 100
52 33.1 25.2 37.8



#4
Vinyl Chloride
Concen: 19.312 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion: 62 Resp: 131285
Ion Ratio Lower Upper
62 100
64 33.8 24.9 37.3





#5

Bromomethane

Concen: 20.694 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

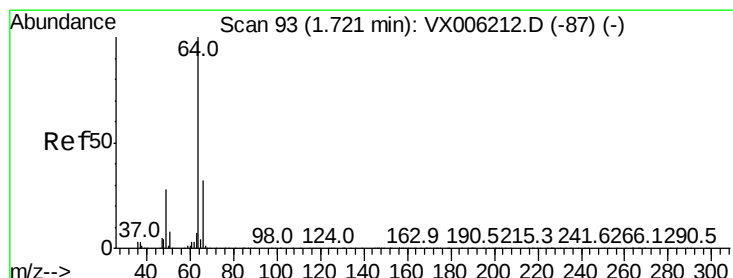
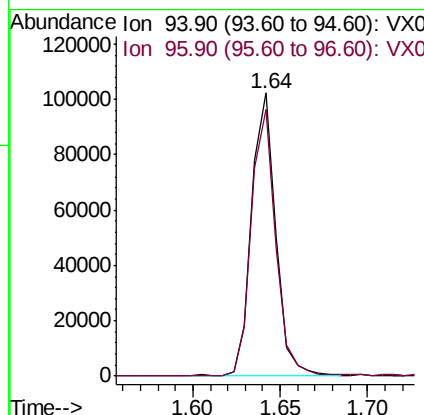
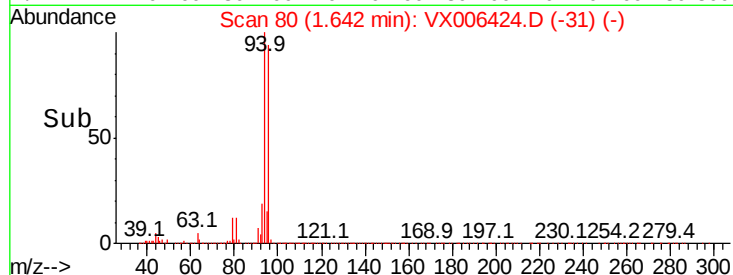
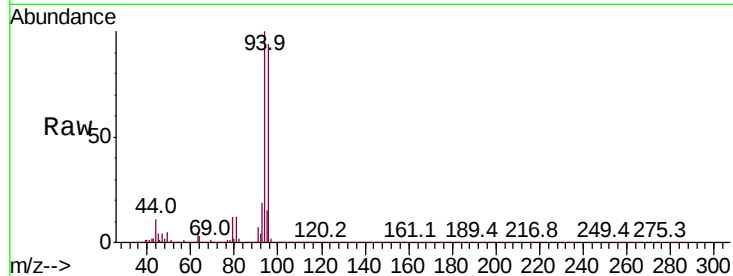
ClientSampleId :

Tot Ion: 94 Resp: 97496

Ion Ratio Lower Upper

94 100

96 94.2 74.5 111.7



#6

Chloroethane

Concen: 20.304 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006424.D

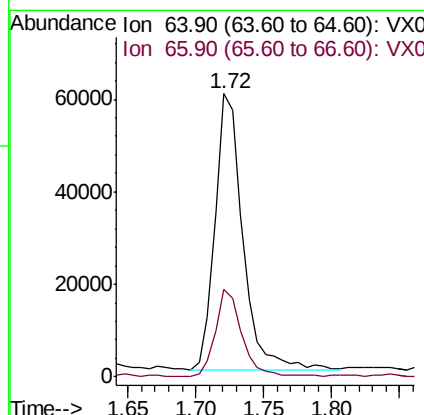
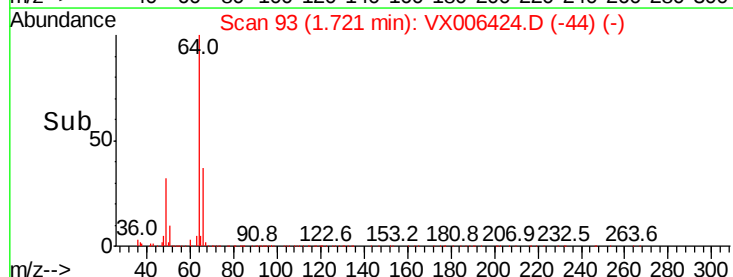
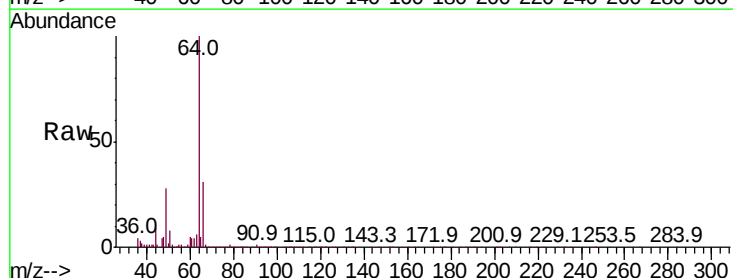
Acq: 11 Dec 2018 16:51

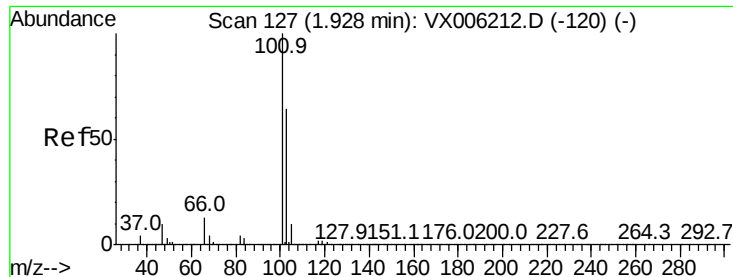
Tgt Ion: 64 Resp: 84633

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9



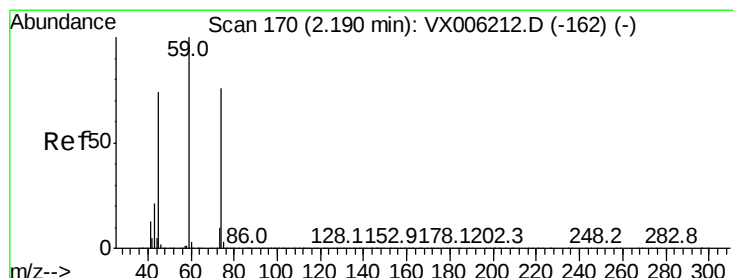
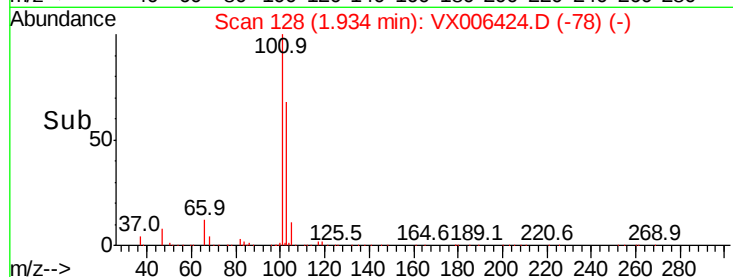
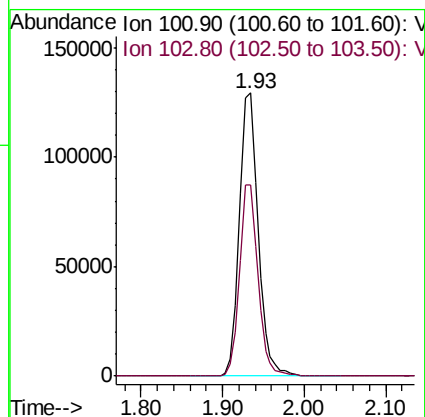
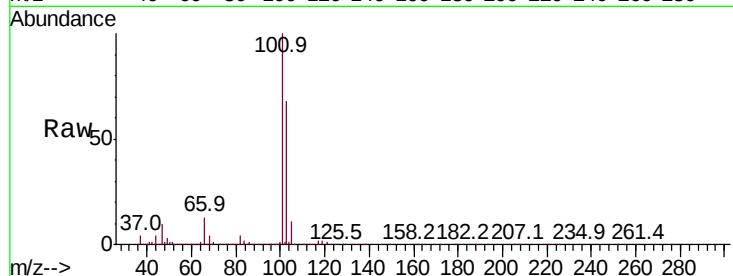


#7

Trichlorofluoromethane
 Concen: 19.546 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

Instrument :
 MSVOA_X
 ClientSampled :

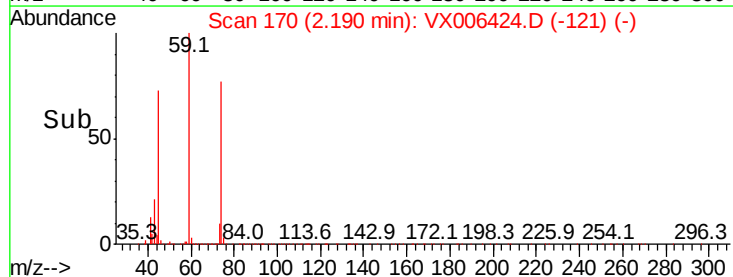
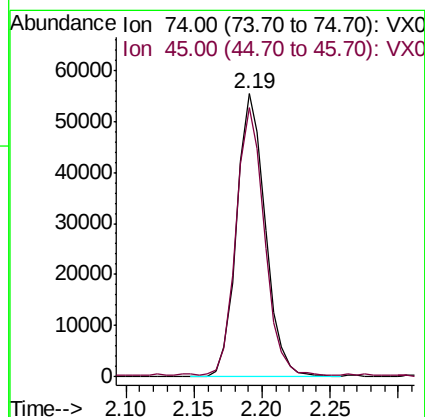
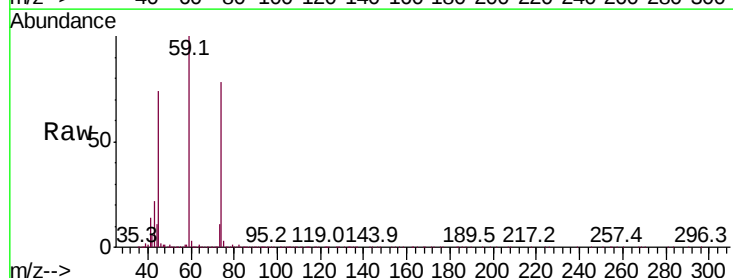
Tot Ion:101 Resp: 203971
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.0 76.4

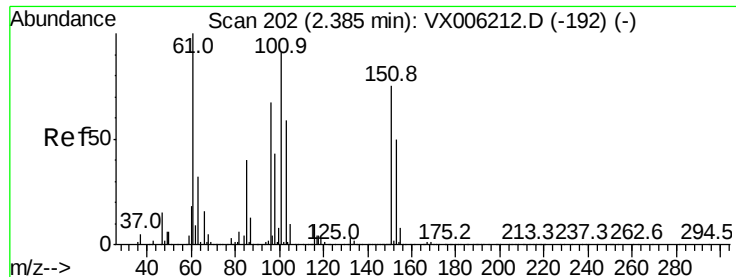


#8

Diethyl Ether
 Concen: 20.532 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

Tgt Ion: 74 Resp: 81091
 Ion Ratio Lower Upper
 74 100
 45 93.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.052 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

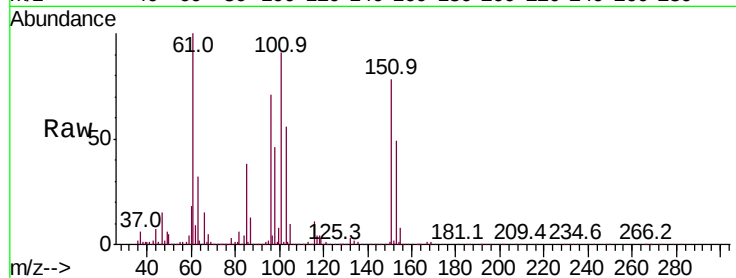
Tot Ion:101 Resp: 118982

Ion Ratio Lower Upper

101 100

85 42.4 35.5 53.3

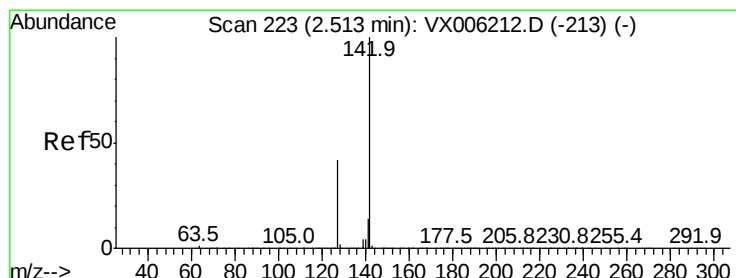
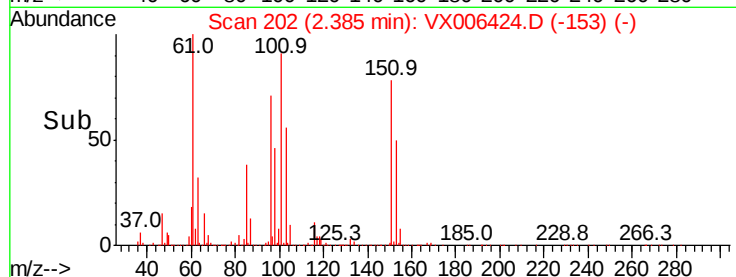
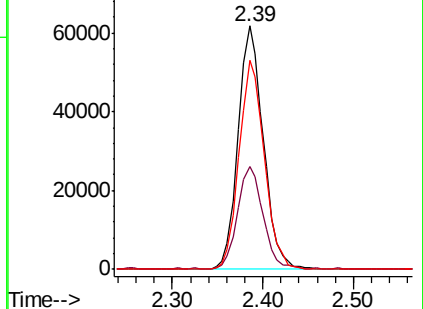
151 85.9 68.6 103.0



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: 13.770 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

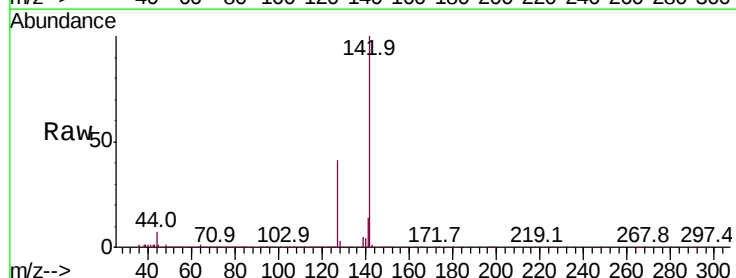
Tgt Ion:142 Resp: 123133

Ion Ratio Lower Upper

142 100

127 43.2 34.8 52.2

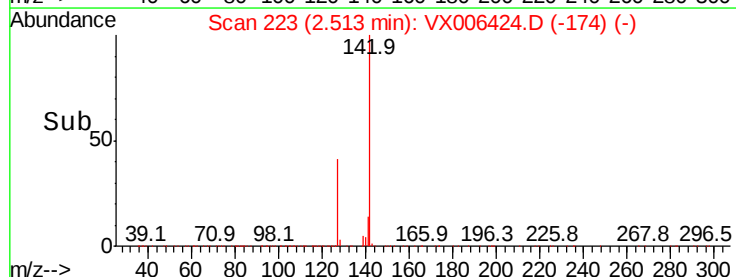
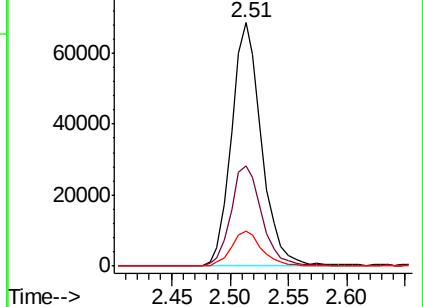
141 15.1 11.4 17.2

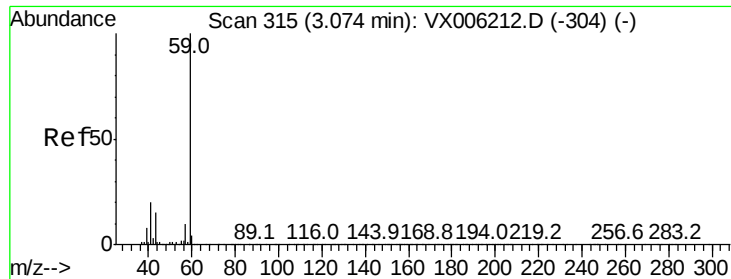


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

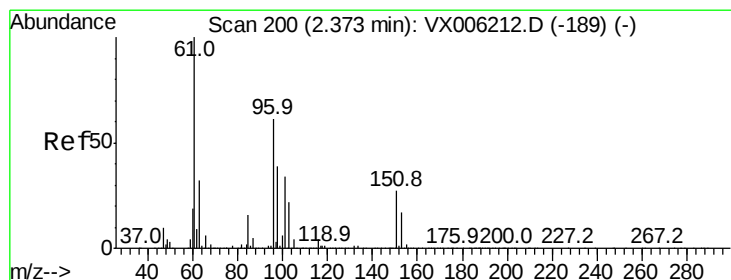
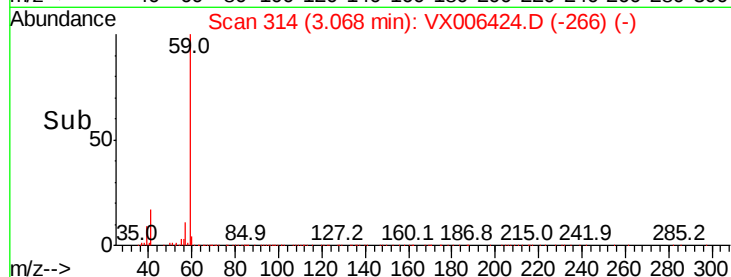
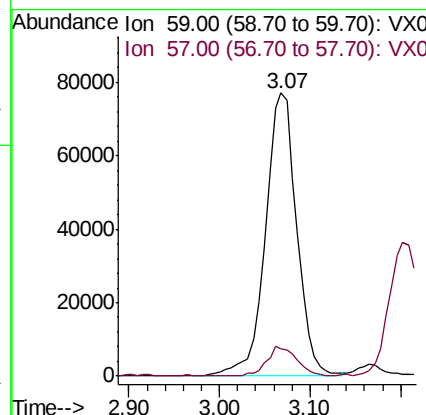
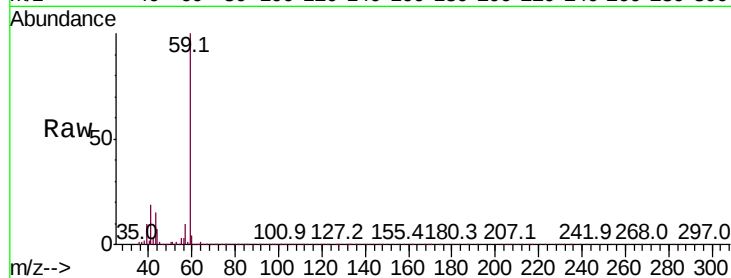




#11
Tert butyl alcohol
Concen: 104.443 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

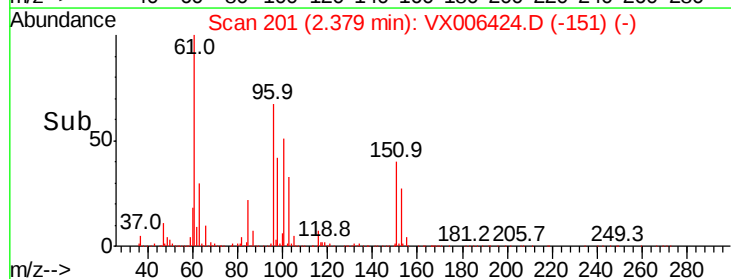
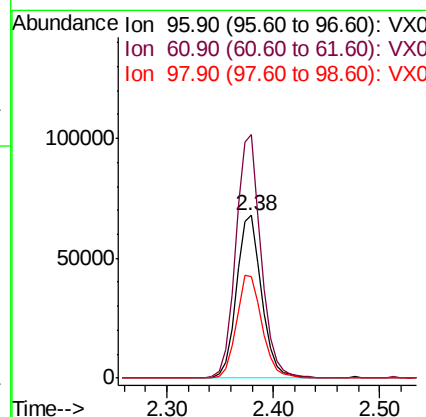
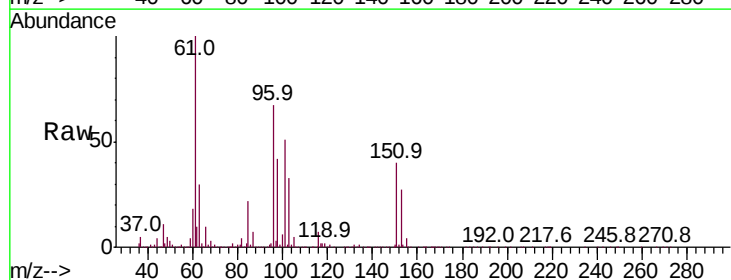
Instrument :
MSVOA_X
ClientSampled :

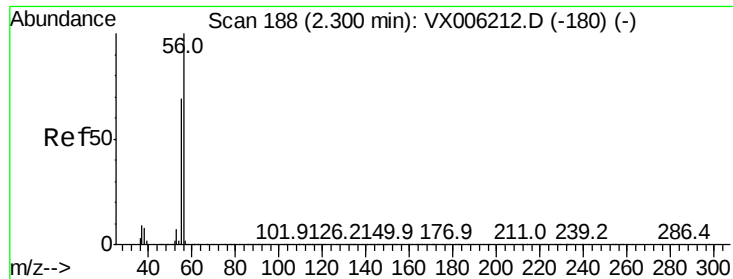
Tot Ion: 59 Resp: 183044
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.787 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion: 96 Resp: 112398
Ion Ratio Lower Upper
96 100
61 149.5 131.7 197.5
98 62.6 51.8 77.6





#13

Acrolein

Concen: 99.414 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

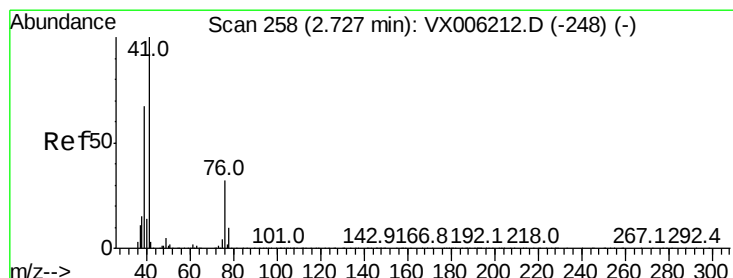
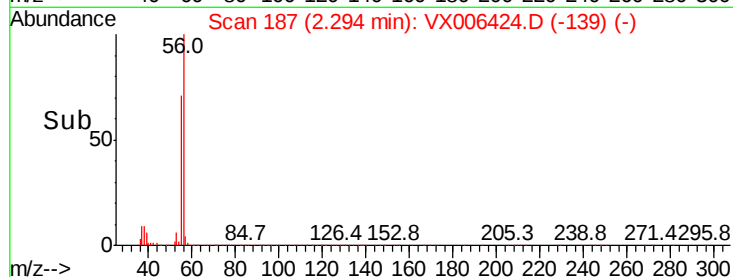
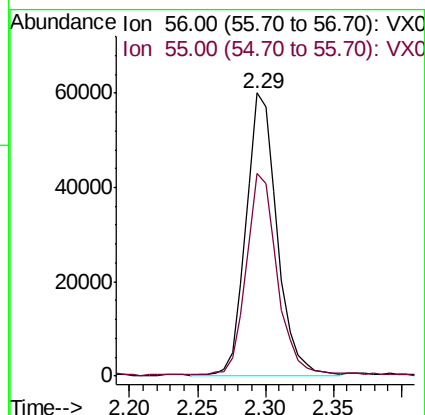
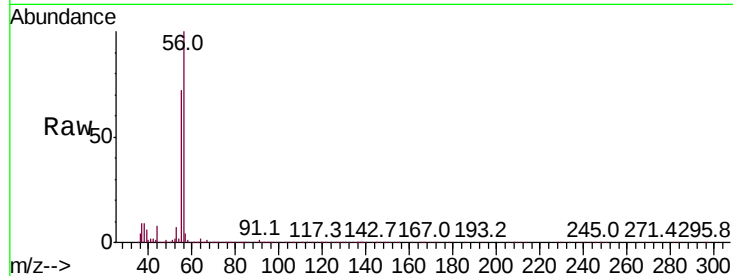
ClientSampleId :

Tot Ion: 56 Resp: 95228

Ion Ratio Lower Upper

56 100

55 71.1 57.8 86.6



#14

Allyl chloride

Concen: 17.761 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

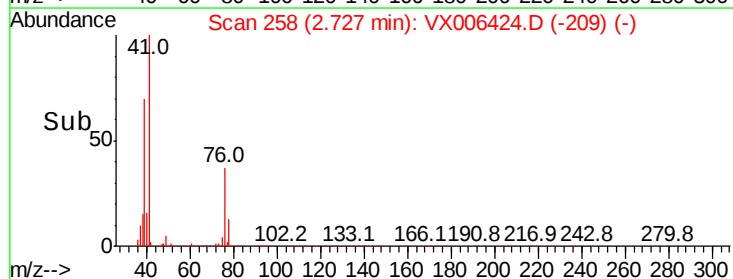
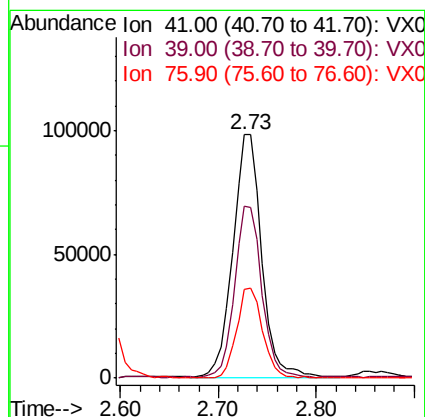
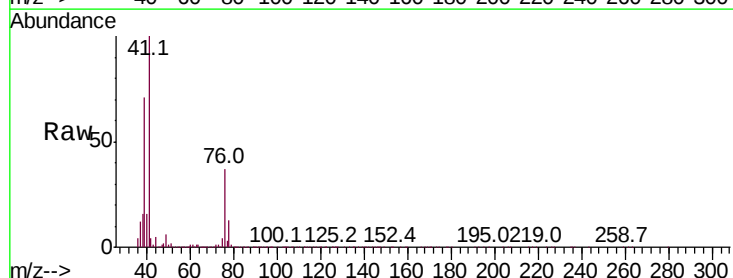
Tgt Ion: 41 Resp: 199296

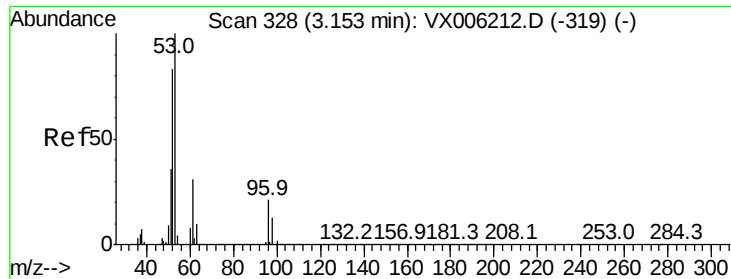
Ion Ratio Lower Upper

41 100

39 66.9 52.4 78.6

76 33.8 25.4 38.0

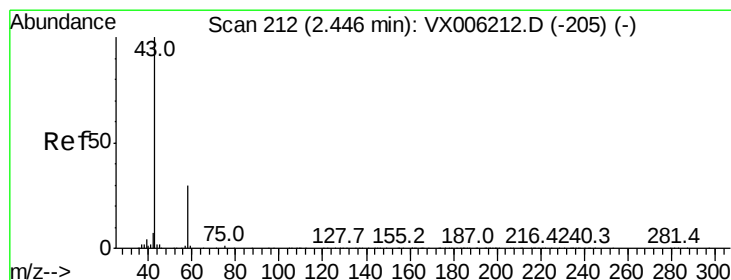
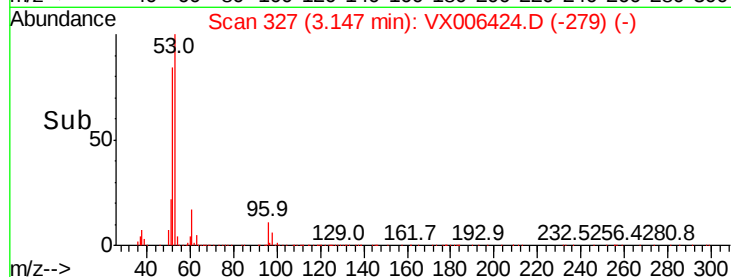
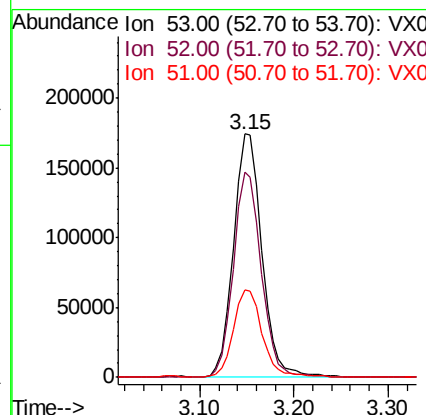
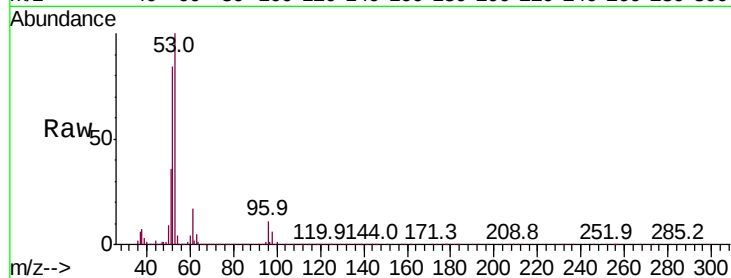




#15
 Acrylonitrile
 Concen: 99.432 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

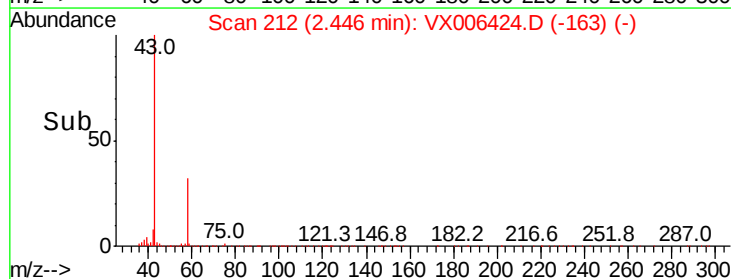
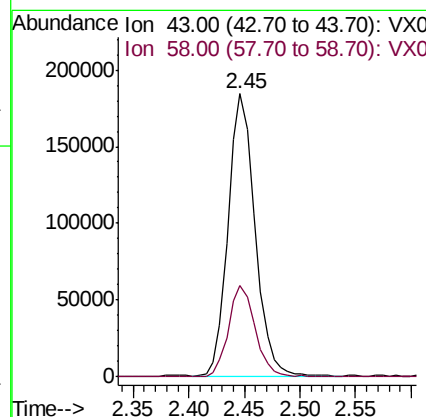
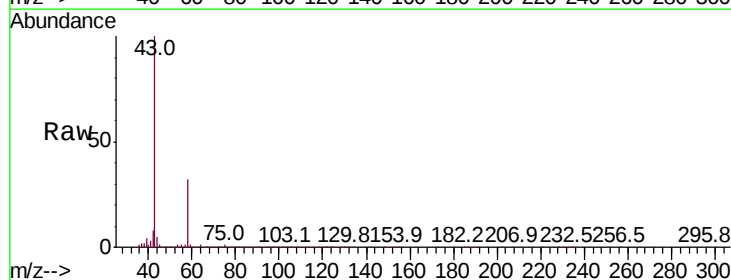
Instrument :
 MSVOA_X
 ClientSampleId :

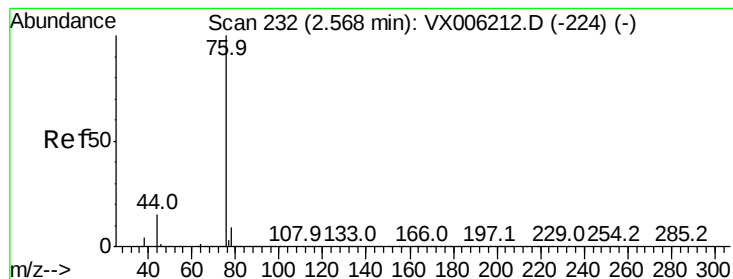
Tot Ion: 53 Resp: 363642
 Ion Ratio Lower Upper
 53 100
 52 83.3 66.2 99.4
 51 36.5 28.7 43.1



#16
 Acetone
 Concen: 102.218 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

Tgt Ion: 43 Resp: 307416
 Ion Ratio Lower Upper
 43 100
 58 32.4 24.0 36.0





#17

Carbon Disulfide

Concen: 15.671 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

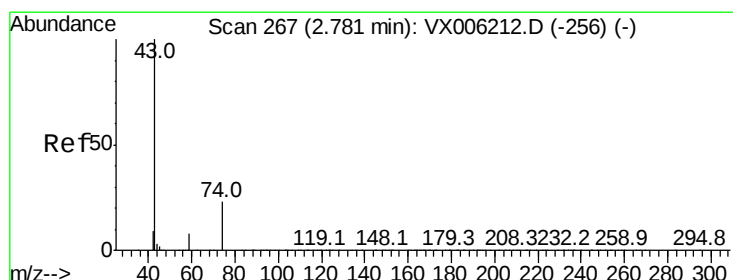
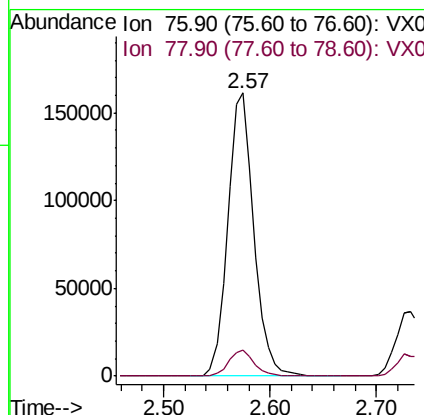
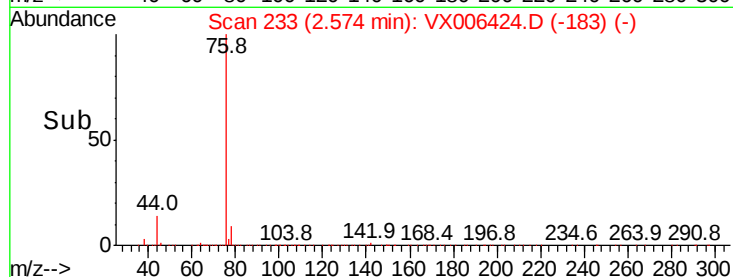
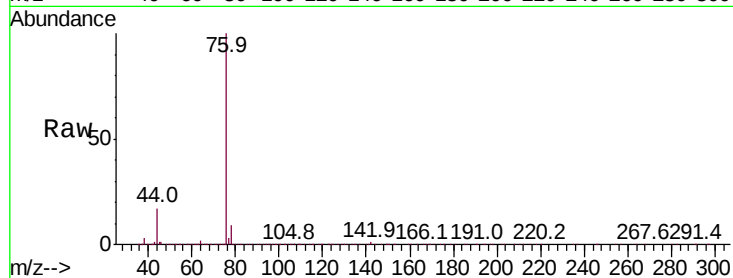
ClientSampleId :

Tot Ion: 76 Resp: 274299

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 20.965 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006424.D

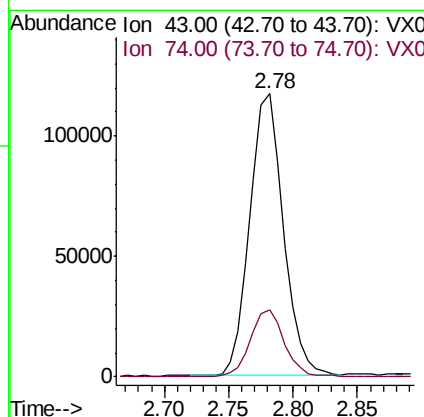
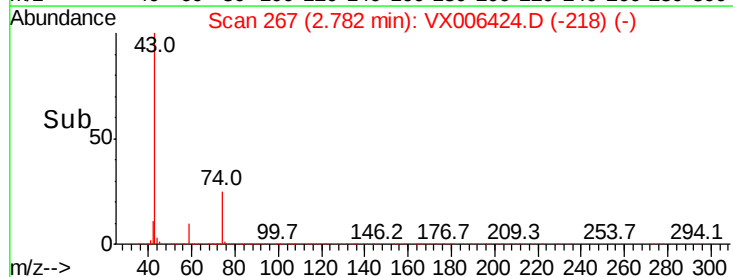
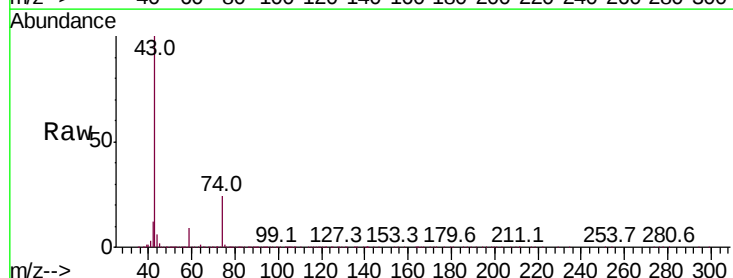
Acq: 11 Dec 2018 16:51

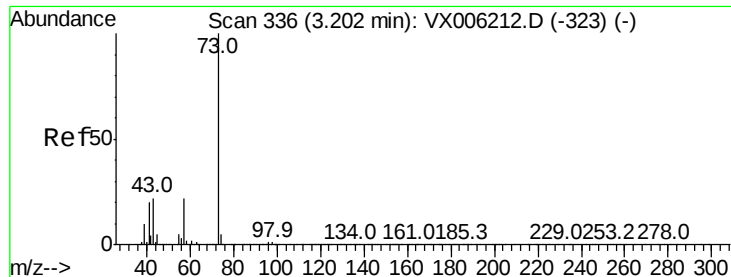
Tgt Ion: 43 Resp: 210853

Ion Ratio Lower Upper

43 100

74 24.2 17.9 26.9

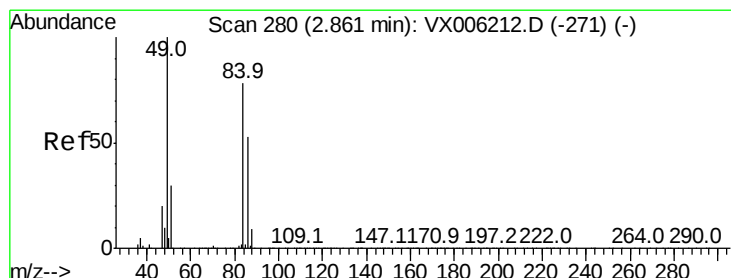
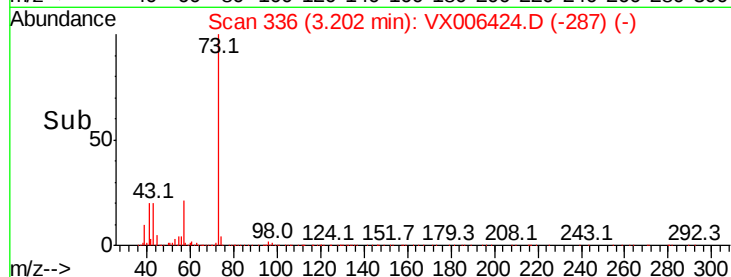
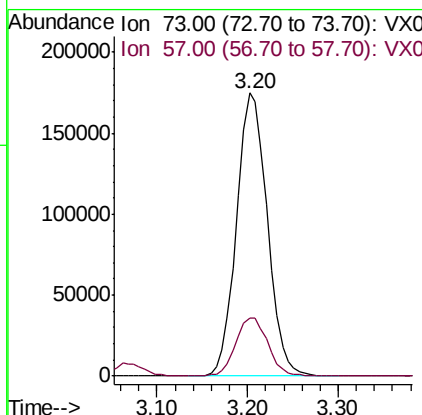
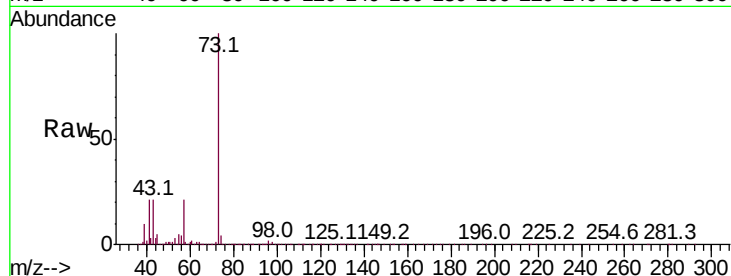




#19
Methyl tert-butyl Ether
Concen: 20.320 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

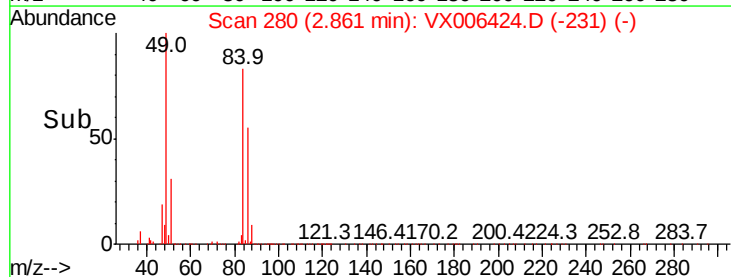
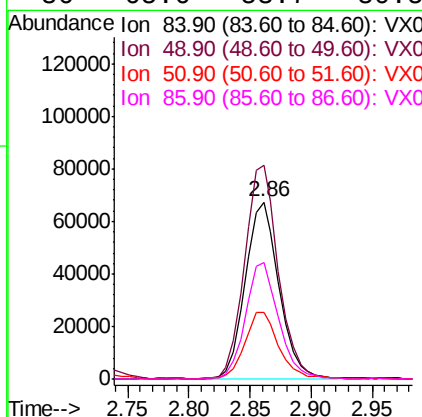
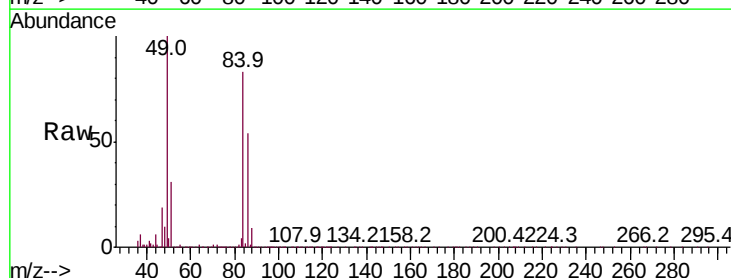
Instrument :
MSVOA_X
ClientSampleId :

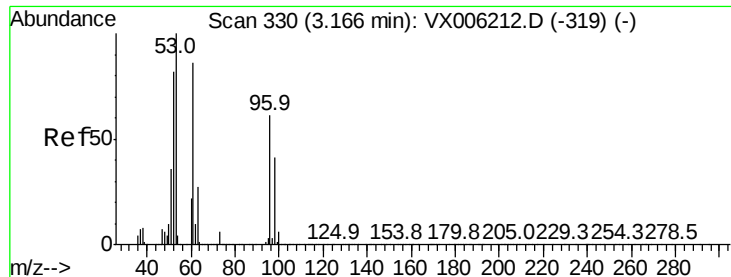
Tot Ion: 73 Resp: 411764
Ion Ratio Lower Upper
73 100
57 20.6 17.5 26.3



#20
Methylene Chloride
Concen: 20.230 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion: 84 Resp: 129481
Ion Ratio Lower Upper
84 100
49 120.6 102.2 153.4
51 37.2 31.1 46.7
86 65.6 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 19.636 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

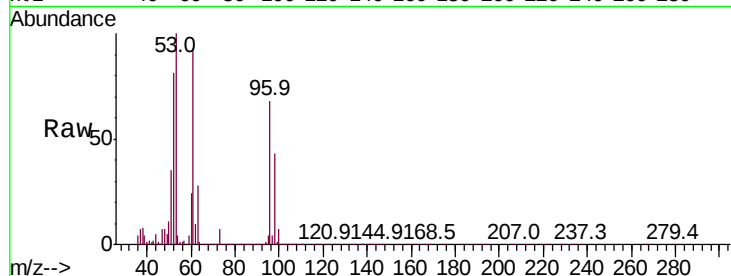
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 96 Resp: 118867

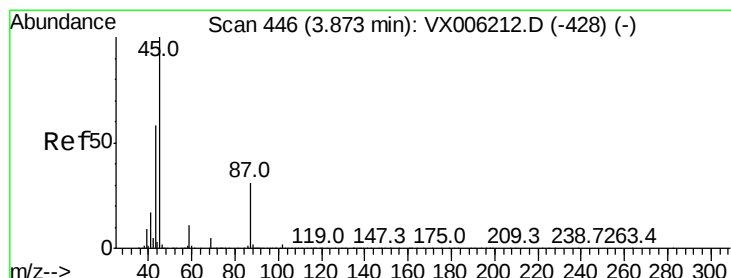
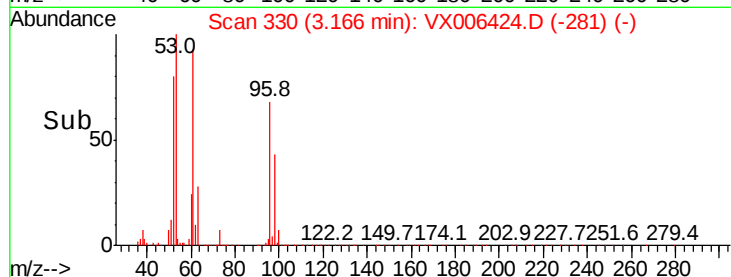
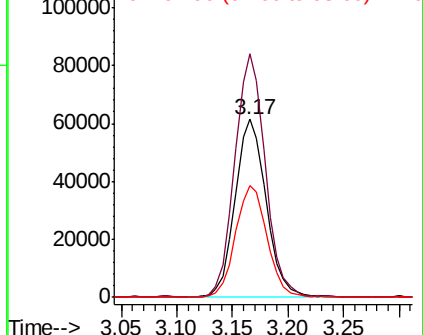
Ion	Ratio	Lower	Upper
96	100		
61	136.8	113.3	169.9
98	63.1	53.2	79.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.748 ug/l

RT: 3.87 min Scan# 445

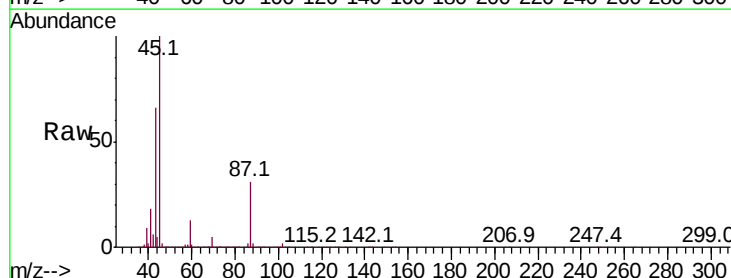
Delta R.T. -0.01 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Tgt Ion: 45 Resp: 363638

Ion	Ratio	Lower	Upper
45	100		
43	65.4	46.2	69.2
87	31.0	24.9	37.3
59	12.5	9.1	13.7

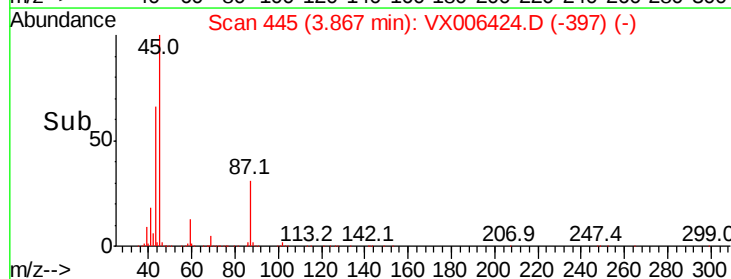
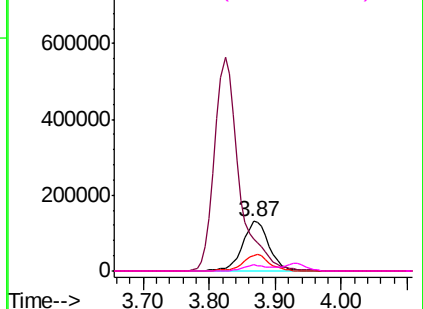


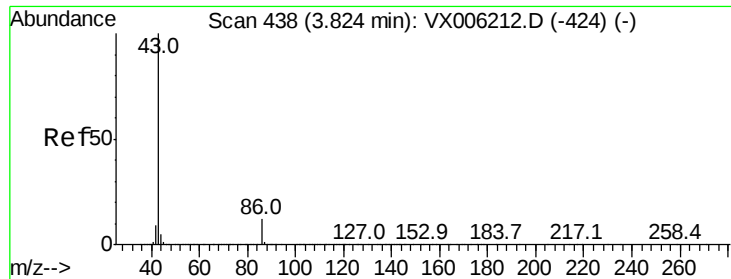
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 97.972 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

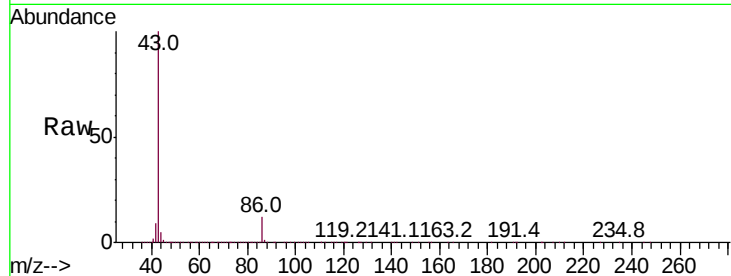
ClientSampleId :

Tot Ion: 43 Resp: 1464565

Ion Ratio Lower Upper

43 100

86 11.5 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

600000

500000

400000

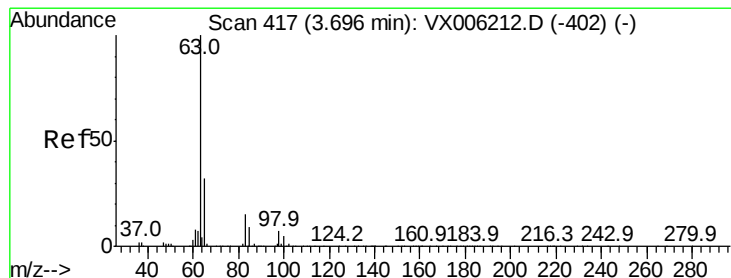
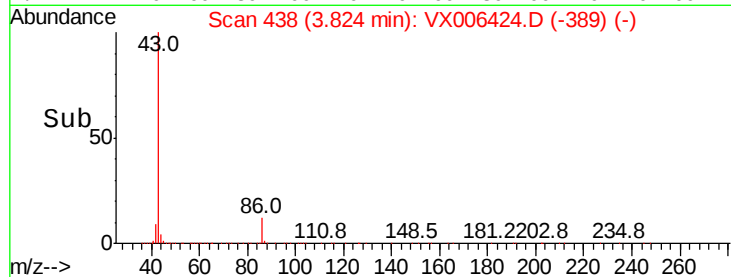
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.876 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

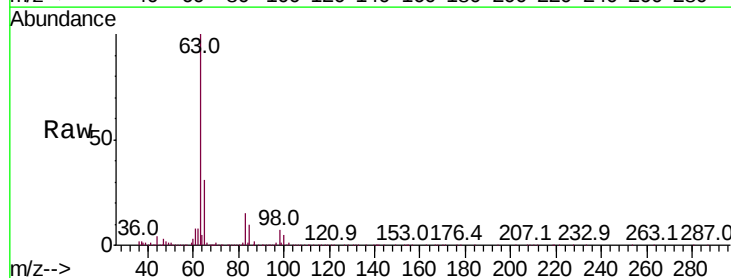
Tgt Ion: 63 Resp: 209131

Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

100 4.9 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

120000

100000

80000

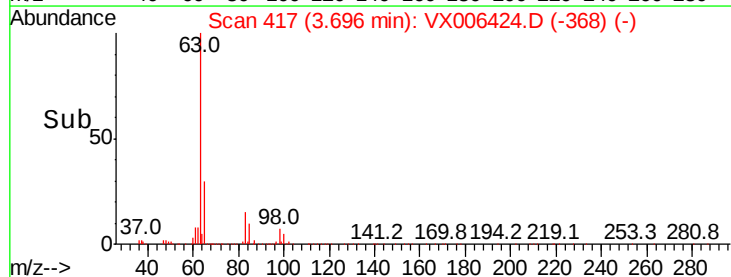
60000

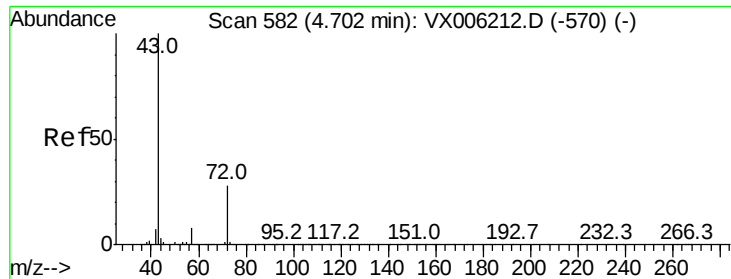
40000

20000

0

Time-->





#25

2-Butanone

Concen: 105.529 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

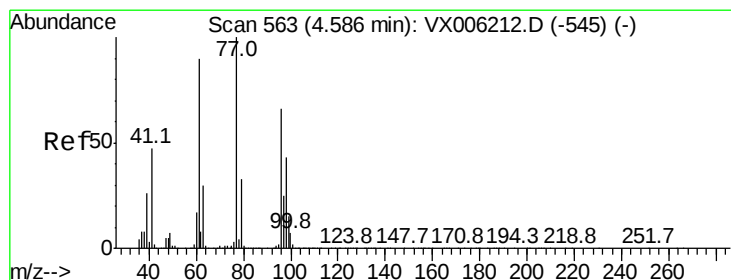
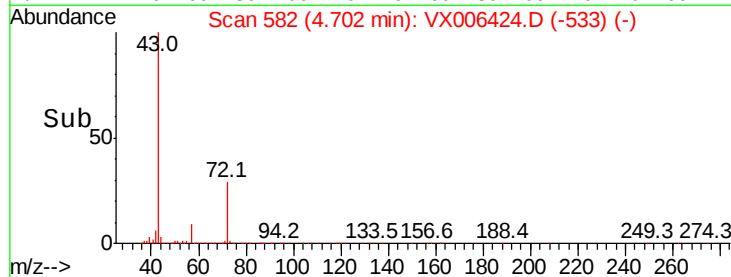
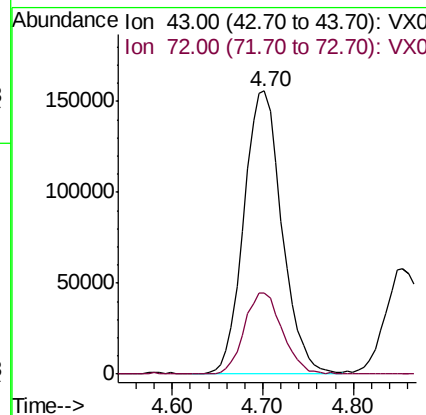
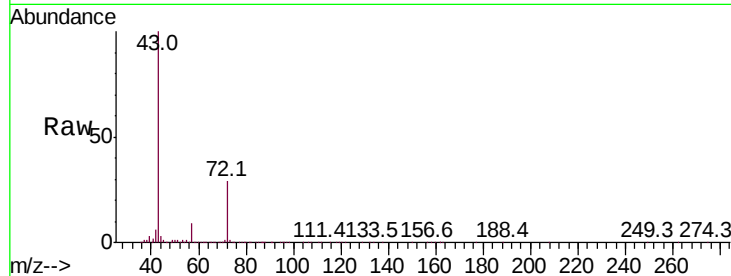
ClientSampleId :

Tot Ion: 43 Resp: 452848

Ion Ratio Lower Upper

43 100

72 28.7 22.6 33.8



#26

2,2-Dichloropropane

Concen: 17.656 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006424.D

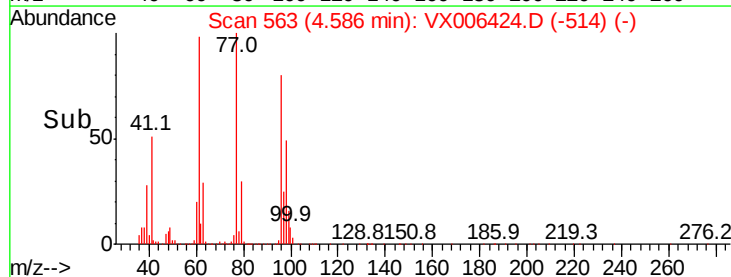
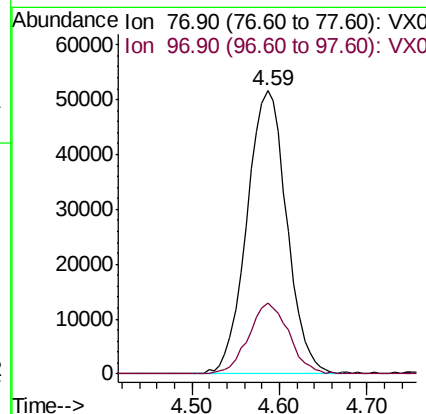
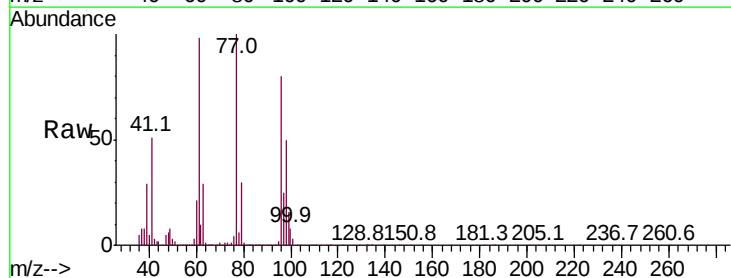
Acq: 11 Dec 2018 16:51

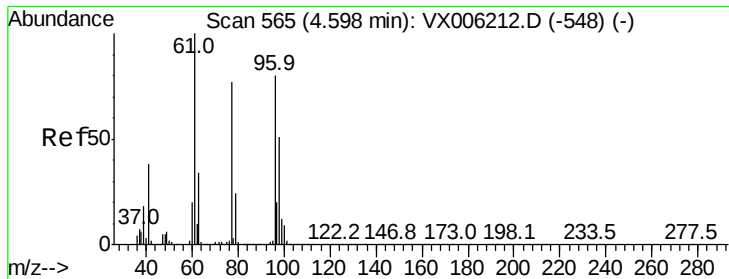
Tgt Ion: 77 Resp: 163237

Ion Ratio Lower Upper

77 100

97 25.4 12.3 36.8



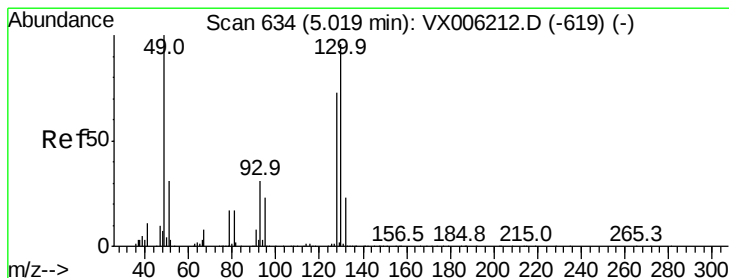
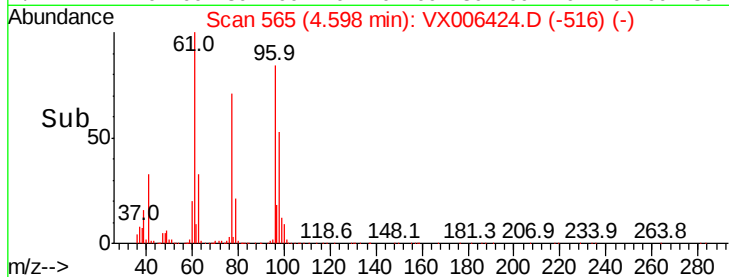
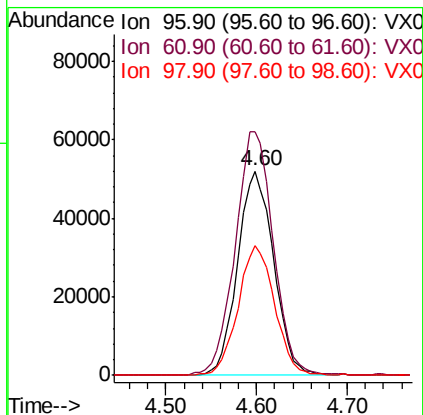
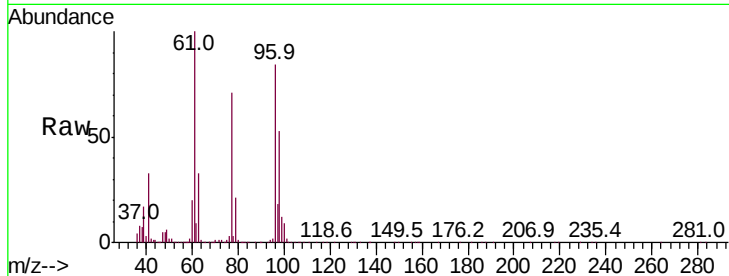


#27

cis-1,2-Dichloroethene
 Concen: 21.290 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

Instrument :
 MSVOA_X
 ClientSampleId :

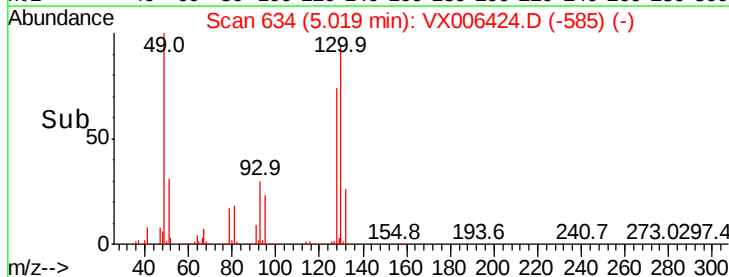
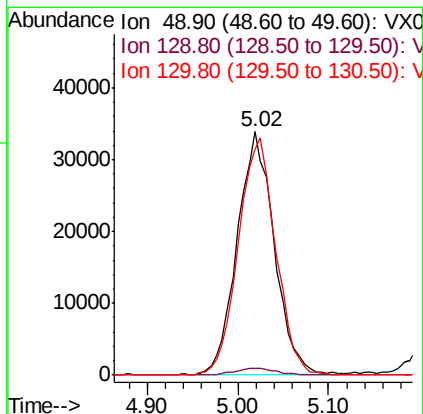
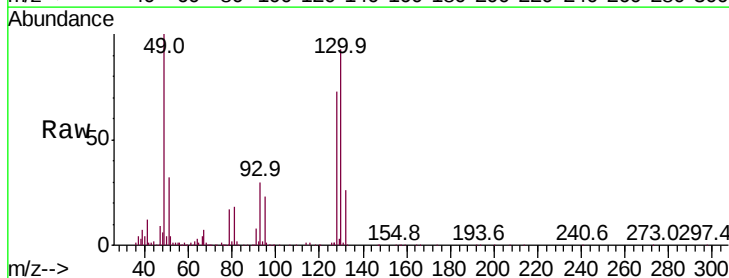
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.7	0.0	265.0
98	64.1	0.0	130.2

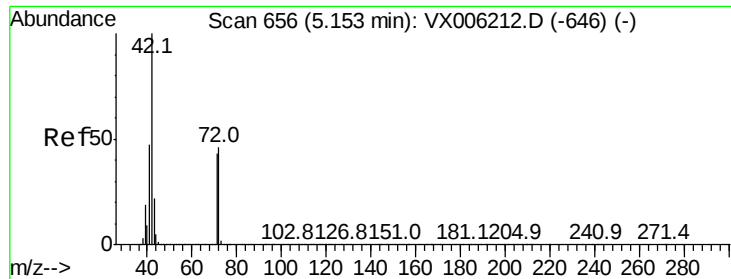


#28

Bromochloromethane
 Concen: 21.763 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.0
130	98.4	78.3	117.5

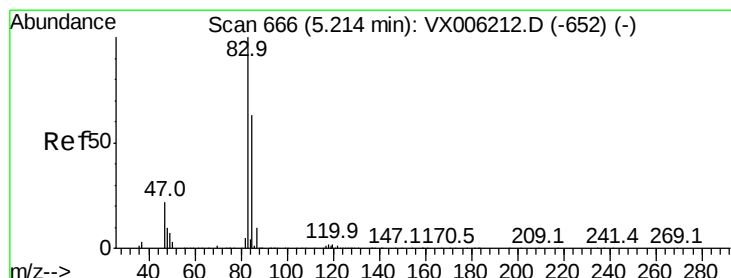
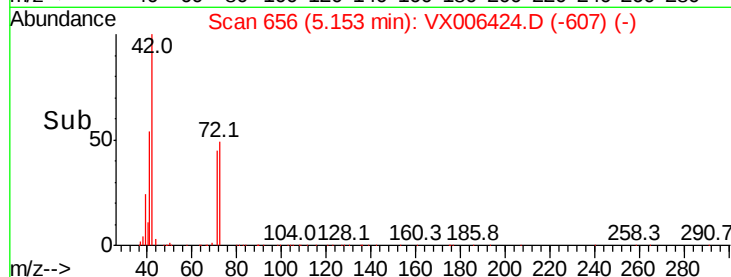
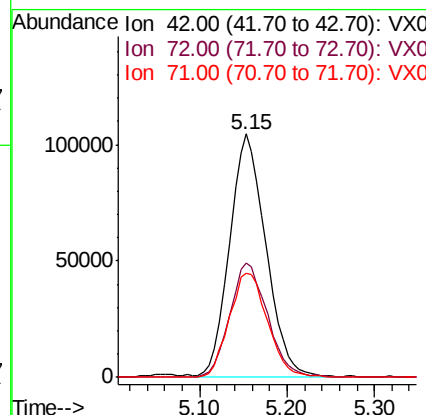
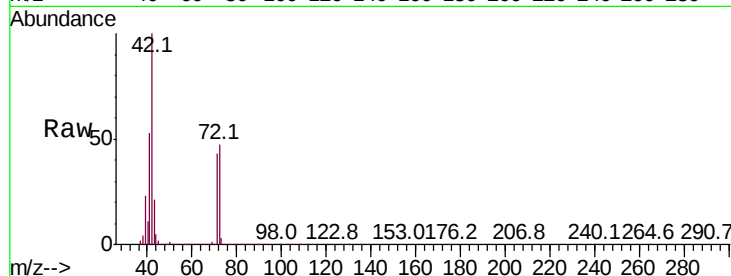




#29
Tetrahydrofuran
Concen: 100.610 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

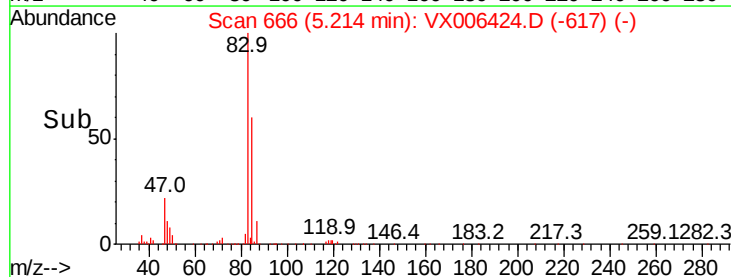
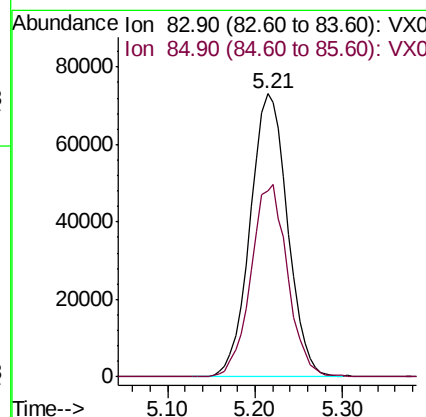
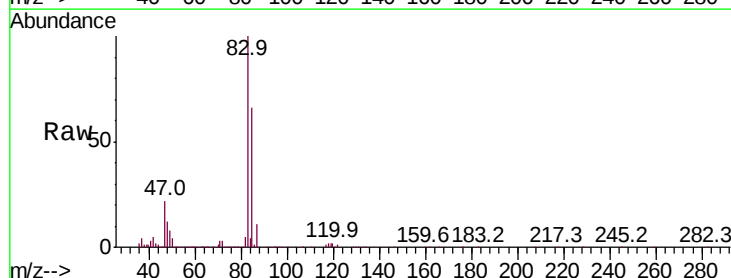
Instrument :
MSVOA_X
ClientSampleId :

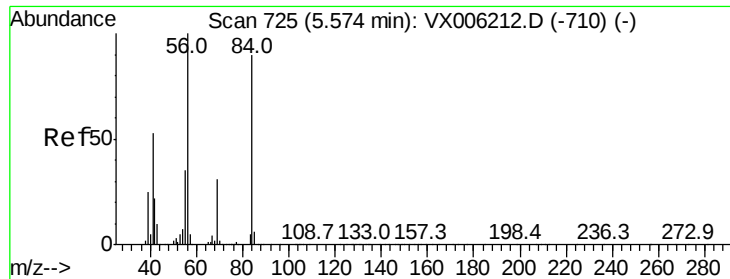
Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	37.8	56.8
71	45.4	35.2	52.8



#30
Chloroform
Concen: 20.542 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.3	75.5





#31

Cyclohexane

Concen: 18.867 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :
MSVOA_X
ClientSampleId :

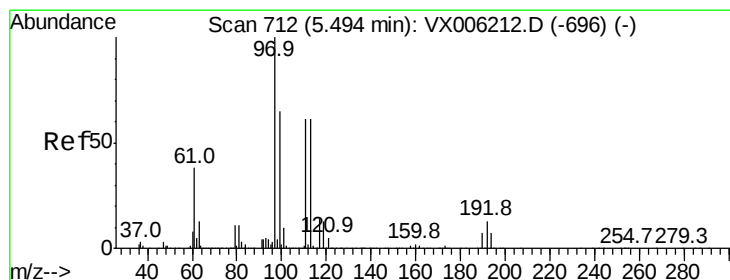
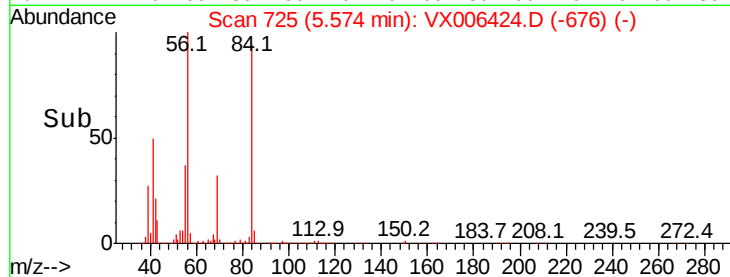
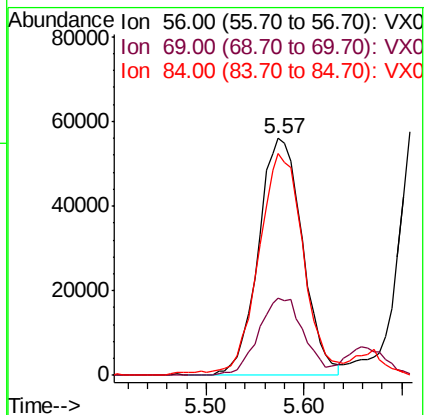
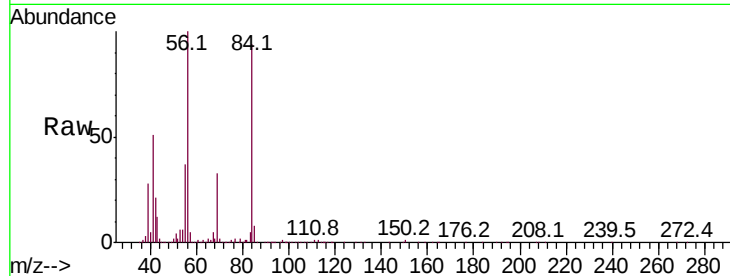
Tot Ion: 56 Resp: 174676

Ion Ratio Lower Upper

56 100

69 32.3 24.5 36.7

84 92.3 71.8 107.6



#32

1,1,1-Trichloroethane

Concen: 19.687 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

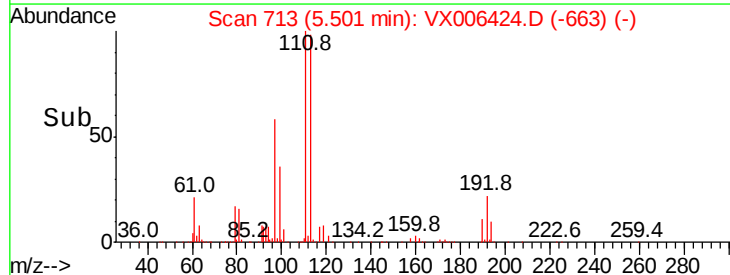
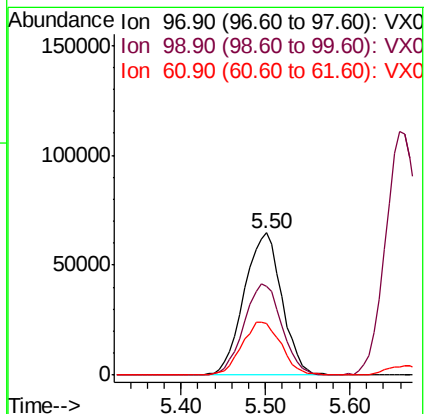
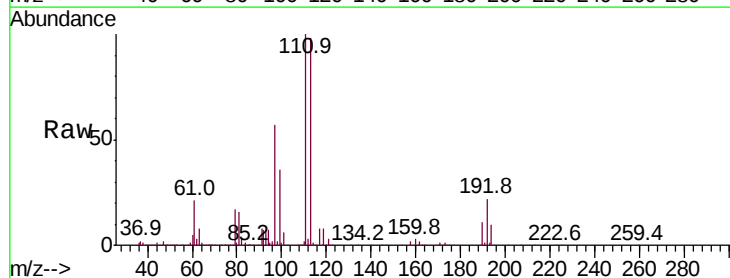
Tgt Ion: 97 Resp: 197196

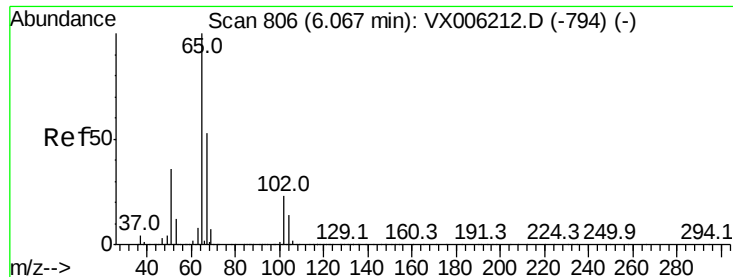
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 38.9 30.6 46.0

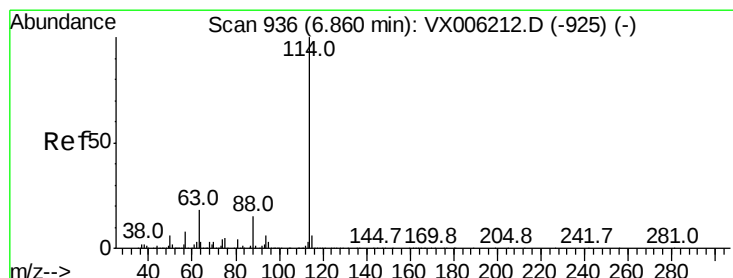
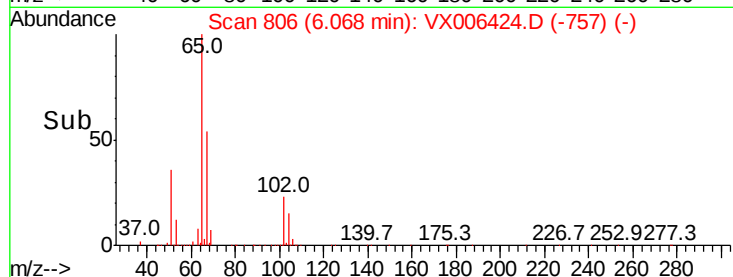
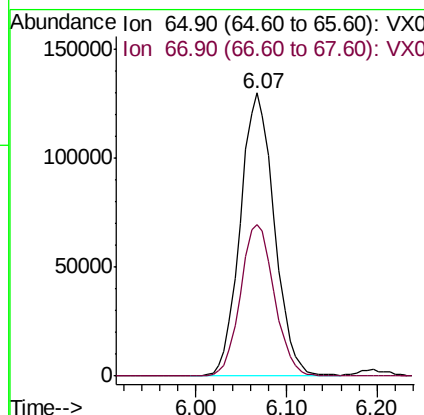
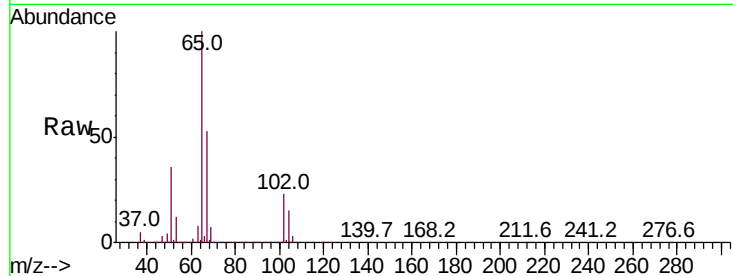




#33
 1,2-Dichloroethane-d4
 Concen: 52.522 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

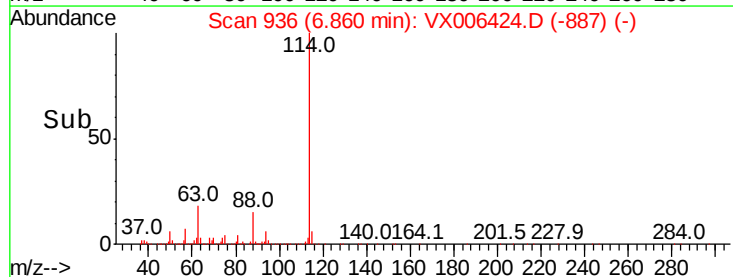
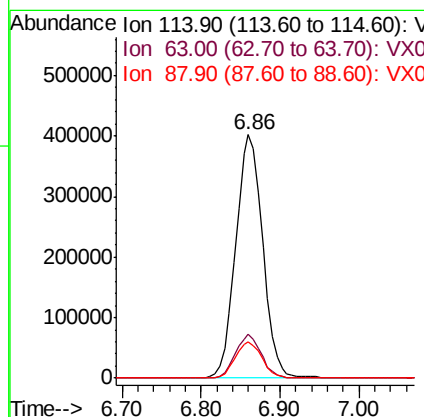
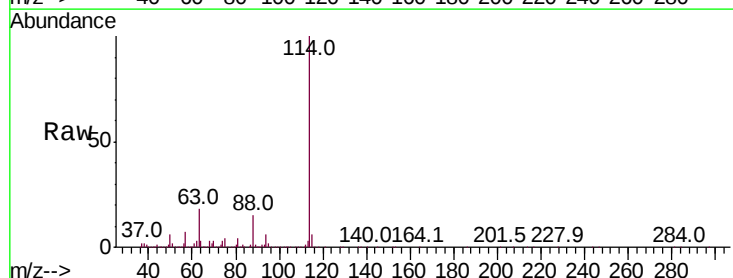
Instrument :
 MSVOA_X
 ClientSampled :

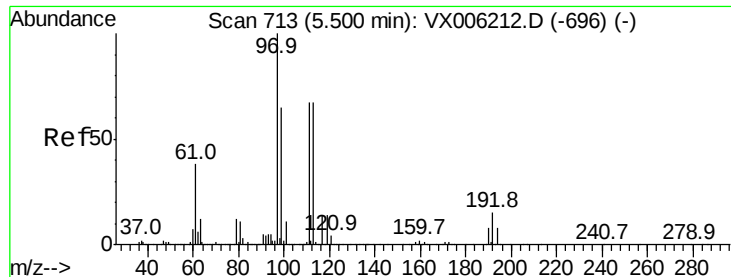
Tot Ion: 65 Resp: 336588
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

Tgt Ion: 114 Resp: 954848
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.6
 88 15.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.028 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampled :

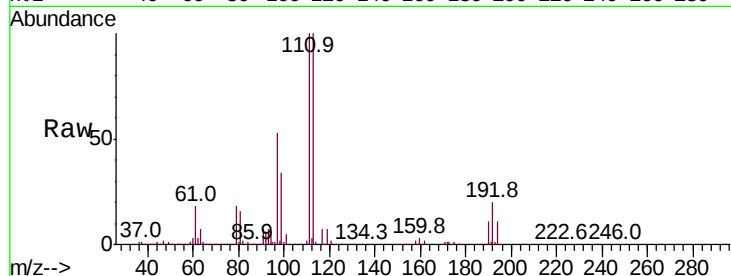
Tot Ion:113 Resp: 315471

Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

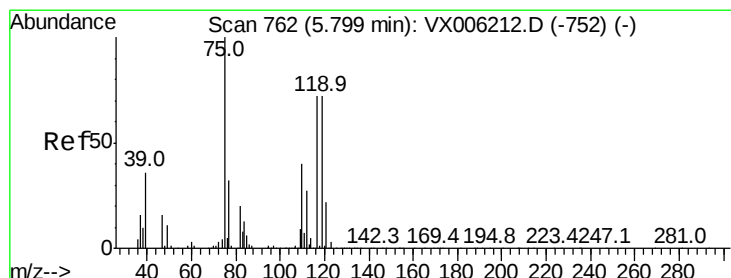
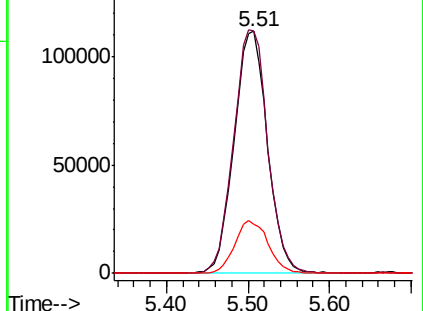
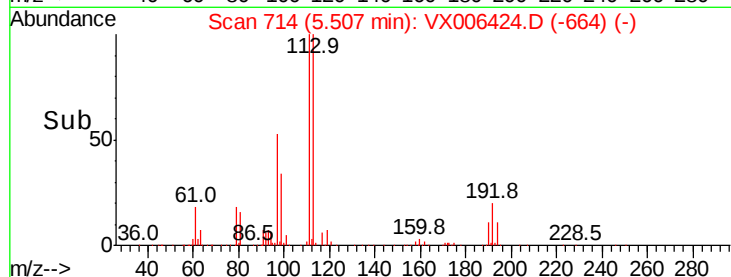
192 22.2 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.207 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

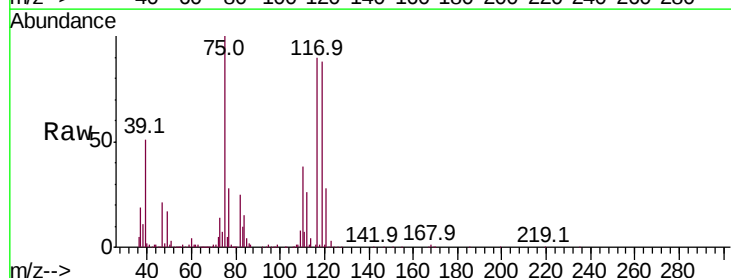
Tgt Ion: 75 Resp: 154442

Ion Ratio Lower Upper

75 100

110 41.1 20.4 61.3

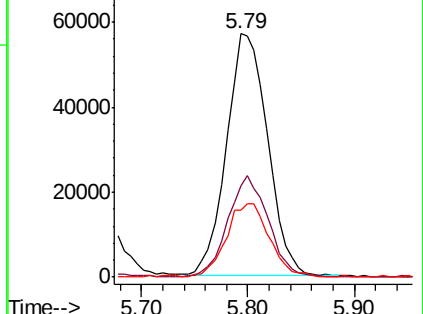
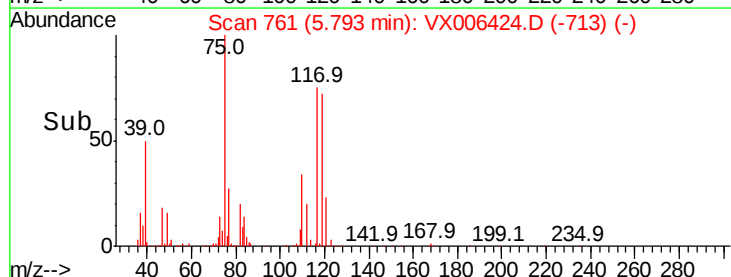
77 31.9 24.9 37.3

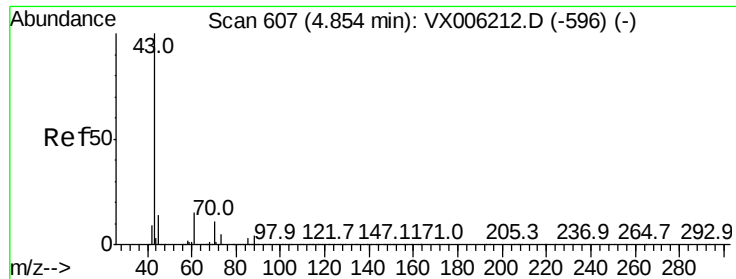


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

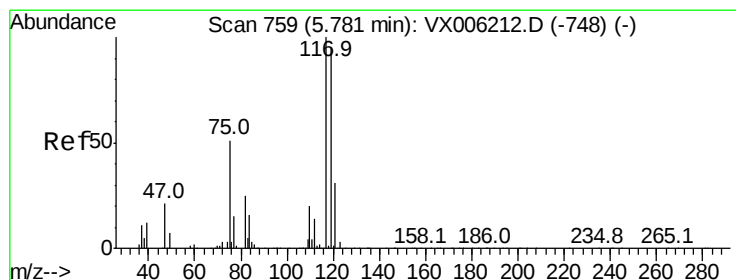
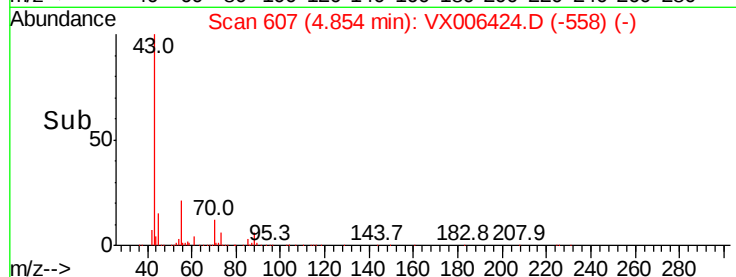
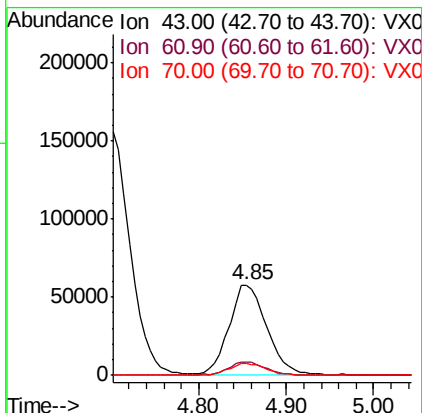
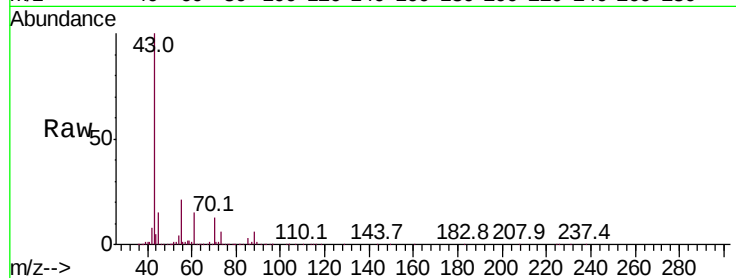




#37
Ethyl Acetate
Concen: 19.013 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

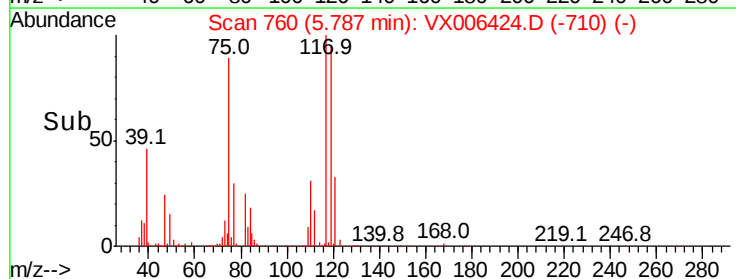
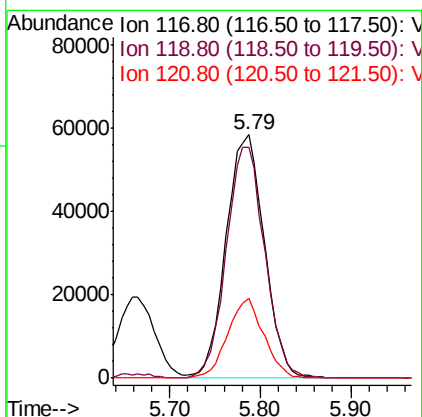
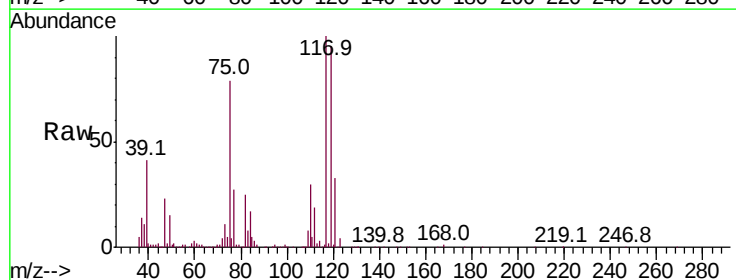
Instrument :
MSVOA_X
ClientSampleId :

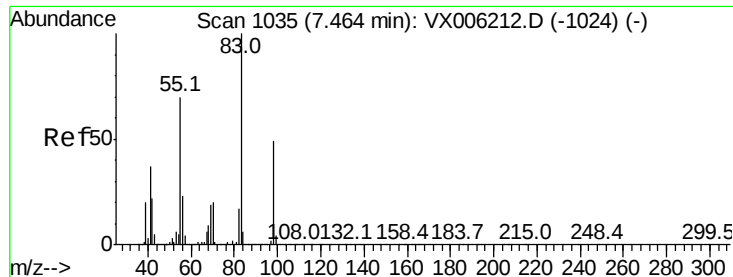
Tot Ion: 43 Resp: 171203
Ion Ratio Lower Upper
43 100
61 14.5 11.5 17.3
70 12.6 9.0 13.6



#38
Carbon Tetrachloride
Concen: 17.978 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion: 117 Resp: 170060
Ion Ratio Lower Upper
117 100
119 94.9 75.8 113.8
121 32.9 24.6 37.0





#39

Methvlcvclohexane

Concen: 18.505 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

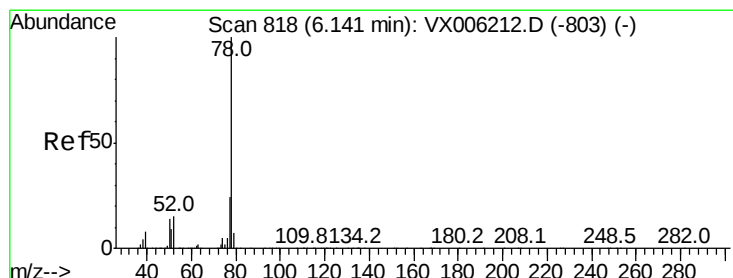
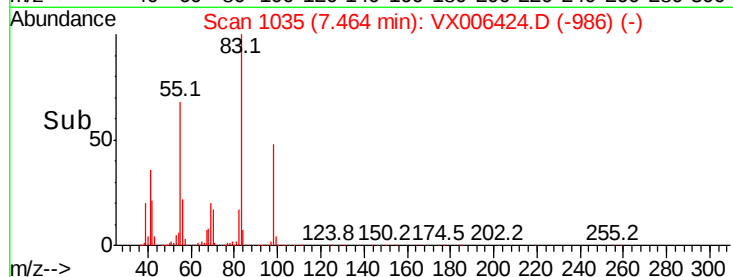
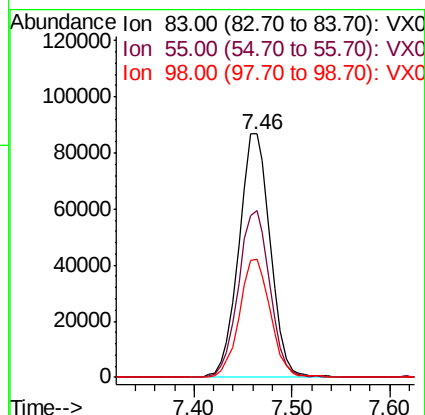
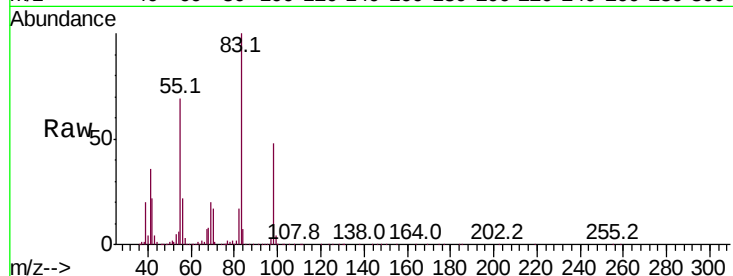
Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 193141

Ion	Ratio	Lower	Upper
83	100		
55	68.5	56.4	84.6
98	48.4	39.0	58.6



#40

Benzene

Concen: 20.096 ug/l

RT: 6.14 min Scan# 818

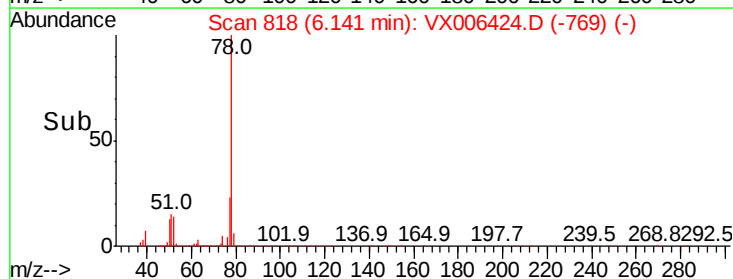
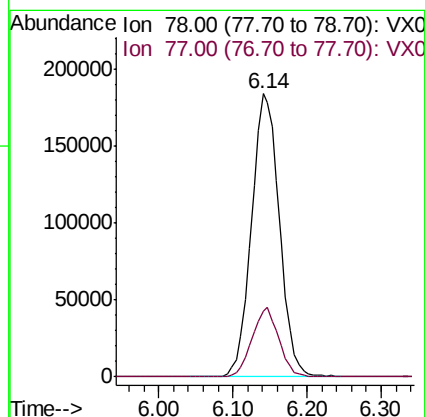
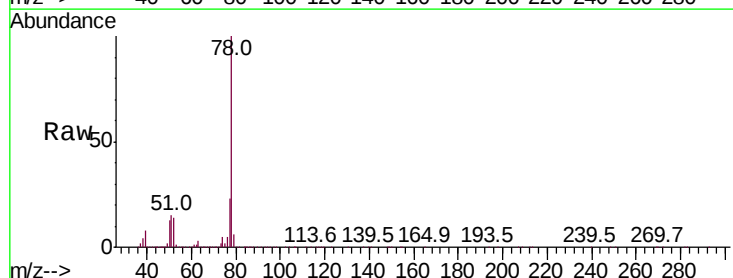
Delta R.T. 0.00 min

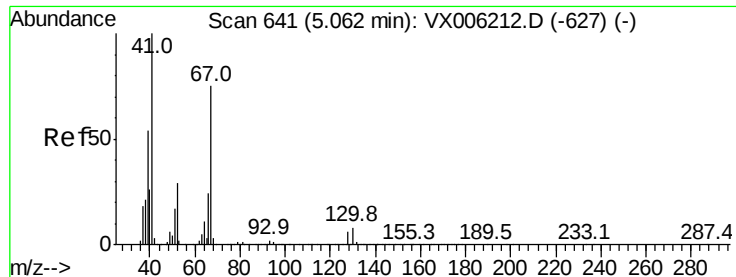
Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Tgt Ion: 78 Resp: 483961

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 19.259 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 95423

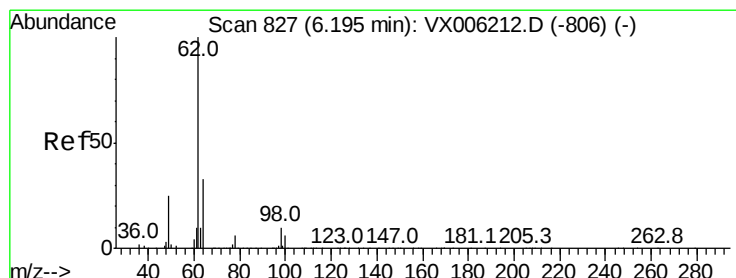
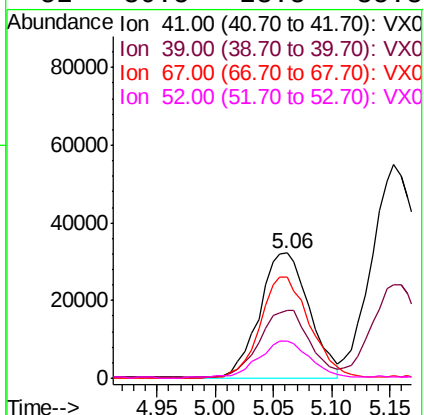
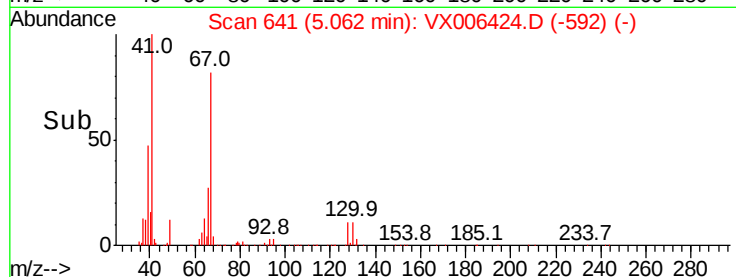
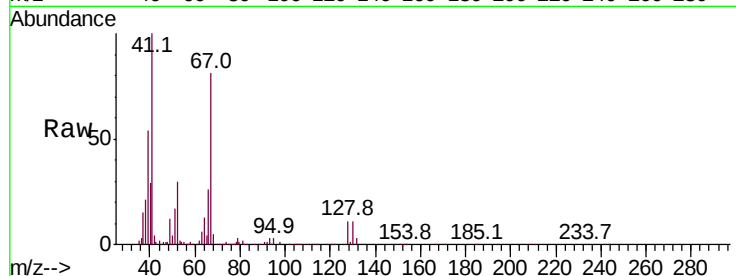
Ion Ratio Lower Upper

41 100

39 54.4 44.0 66.0

67 80.5 61.4 92.0

52 30.5 23.5 35.3



#42

1,2-Dichloroethane

Concen: 20.665 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006424.D

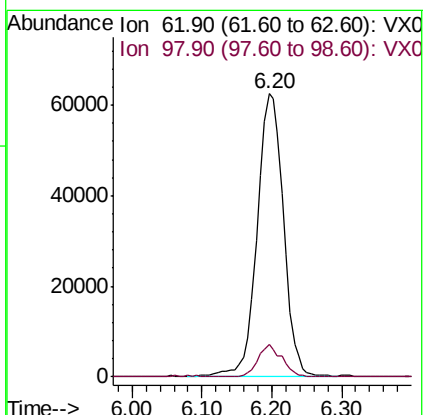
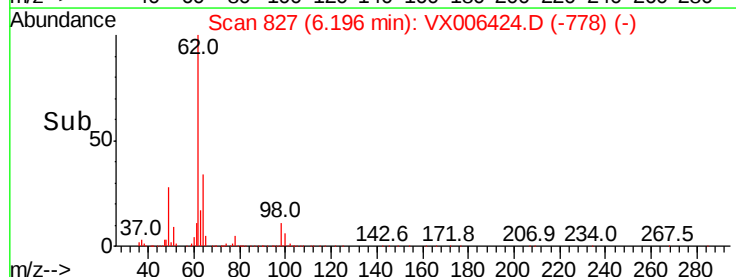
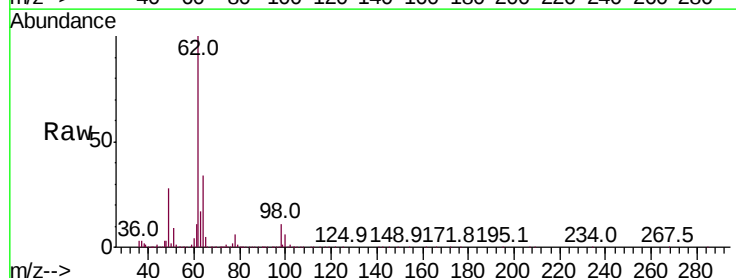
Acq: 11 Dec 2018 16:51

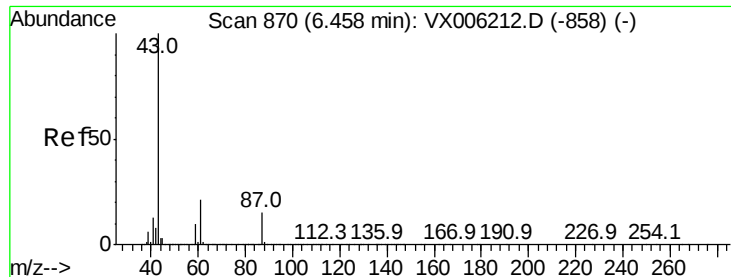
Tgt Ion: 62 Resp: 162879

Ion Ratio Lower Upper

62 100

98 10.5 0.0 20.2





#43

Isopropyl Acetate

Concen: 18.504 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampled :

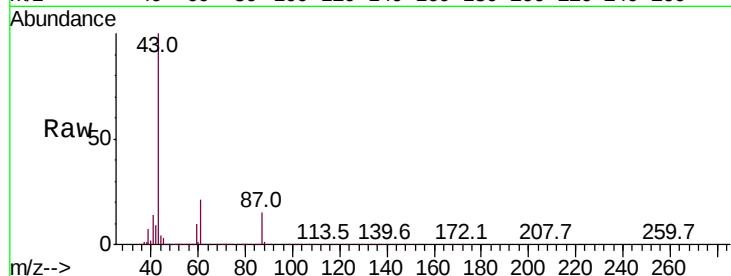
Tot Ion: 43 Resp: 277800

Ion Ratio Lower Upper

43 100

61 21.6 16.8 25.2

87 15.3 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

150000 Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

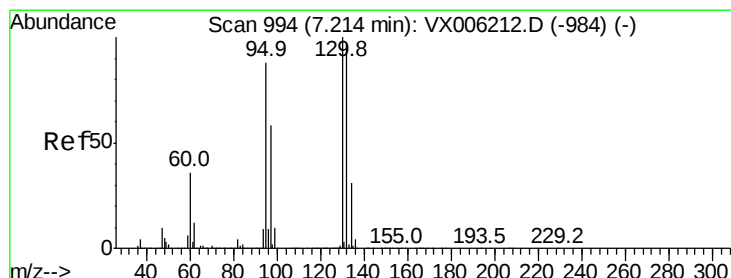
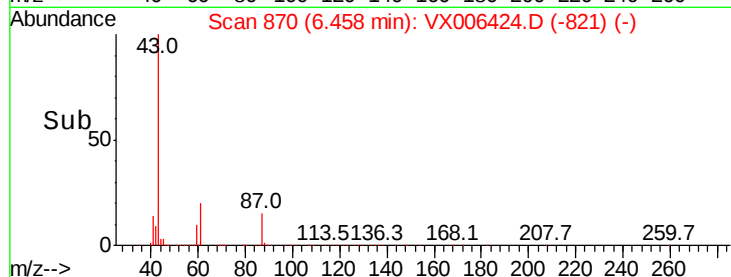
6.46

100000

50000

0

Time--> 6.30 6.40 6.50 6.60



#44

Trichloroethene

Concen: 19.452 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006424.D

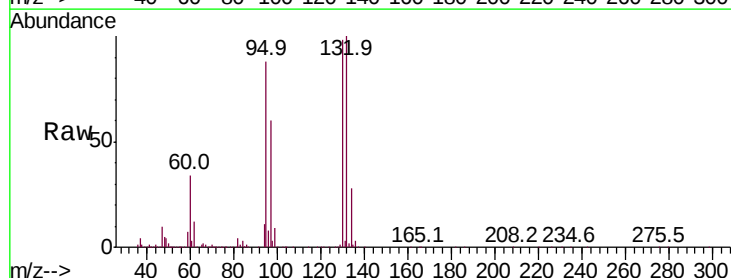
Acq: 11 Dec 2018 16:51

Tgt Ion:130 Resp: 141914

Ion Ratio Lower Upper

130 100

95 89.5 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

80000 Ion 94.90 (94.60 to 95.60): VX0

7.21

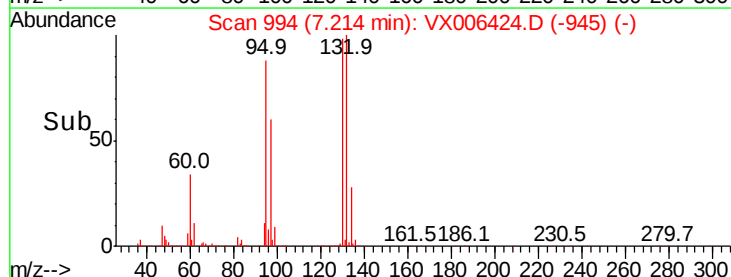
60000

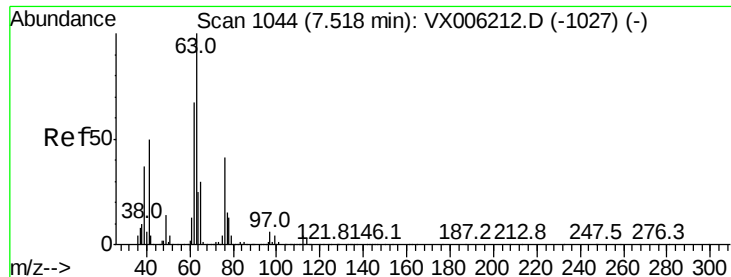
40000

20000

0

Time--> 7.10 7.20 7.30





#45

1,2-Dichloropropane

Concen: 20.179 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

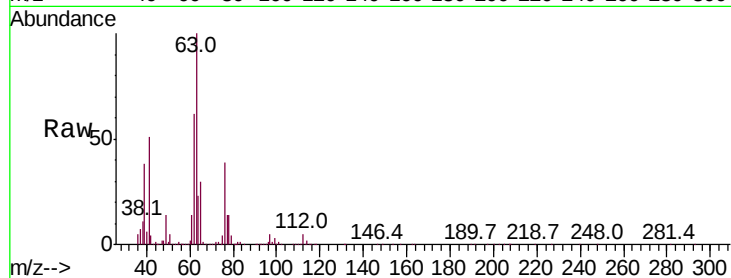
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 63 Resp: 123512

Ion Ratio Lower Upper

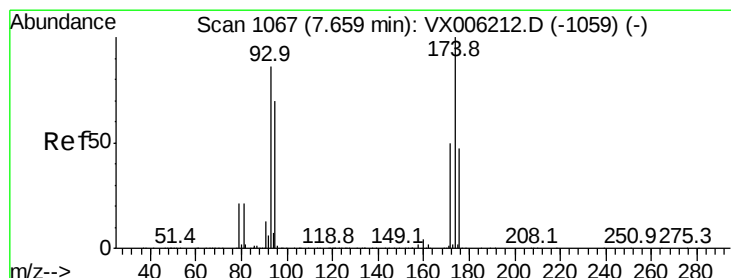
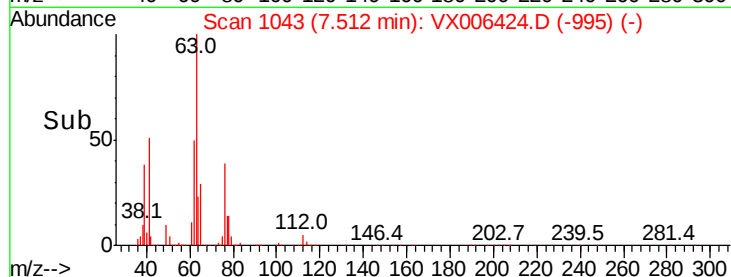
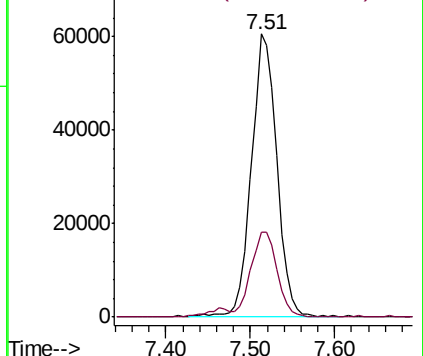
63 100

65 29.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.803 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

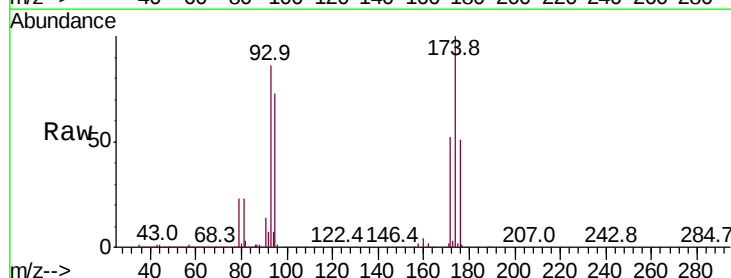
Tgt Ion: 93 Resp: 87539

Ion Ratio Lower Upper

93 100

95 85.1 66.2 99.4

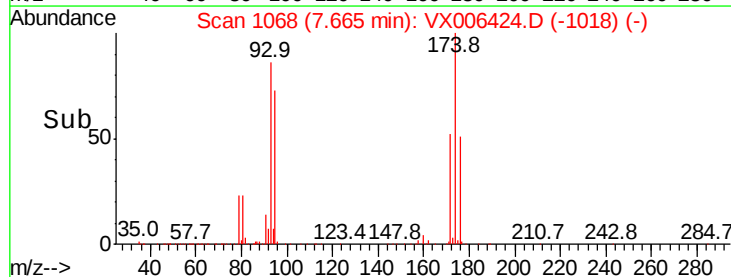
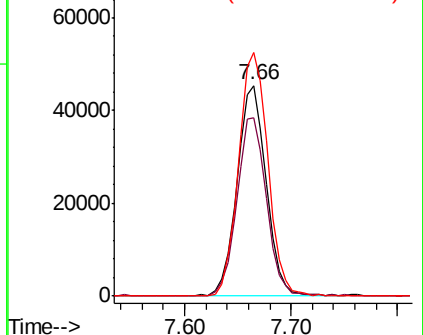
174 116.8 97.2 145.8

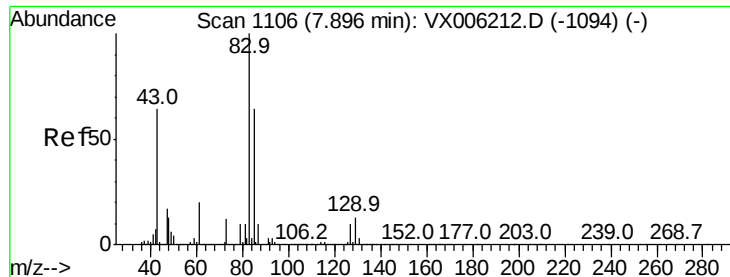


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.138 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

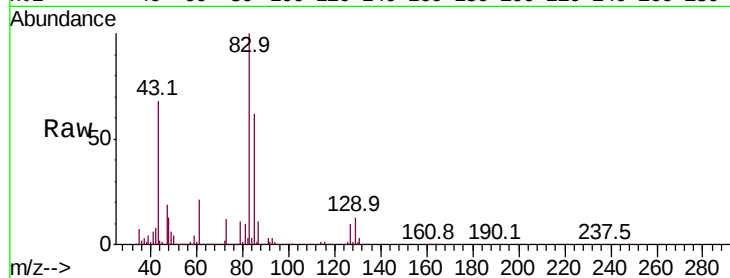
Tot Ion: 83 Resp: 155268

Ion Ratio Lower Upper

83 100

85 62.5 51.4 77.0

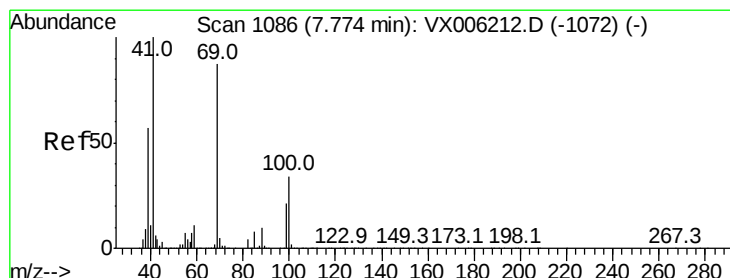
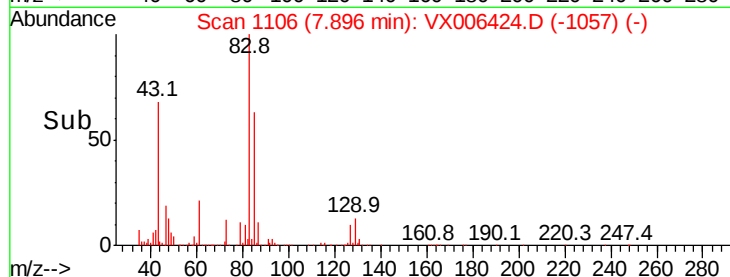
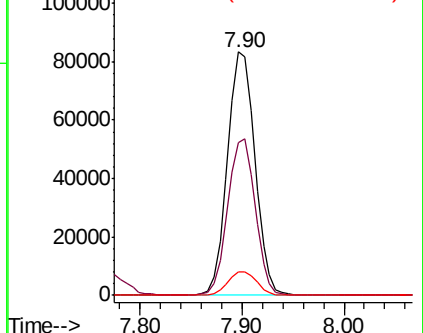
127 9.9 7.9 11.9



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: 18.958 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

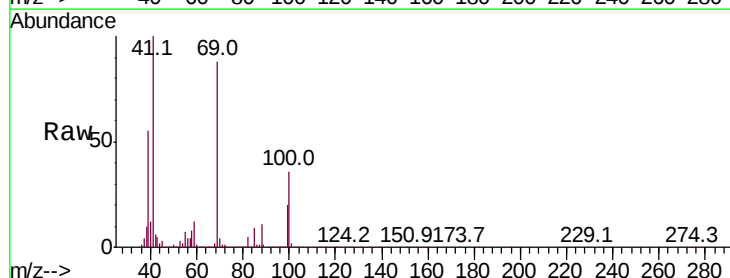
Tgt Ion: 41 Resp: 138469

Ion Ratio Lower Upper

41 100

69 90.3 70.3 105.5

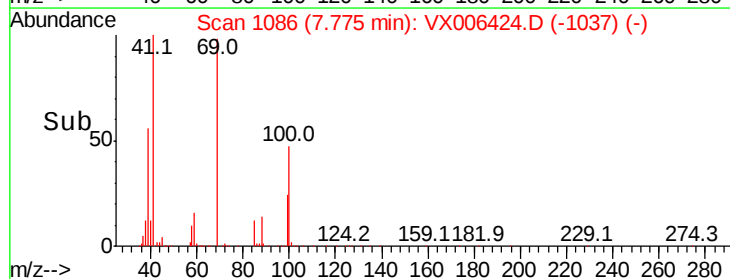
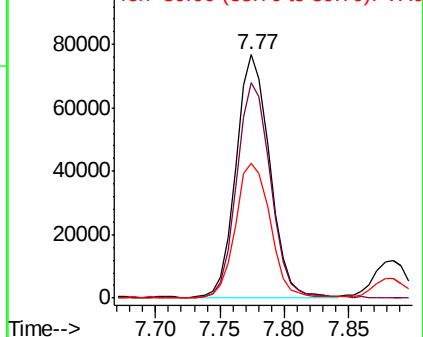
39 57.1 45.3 67.9

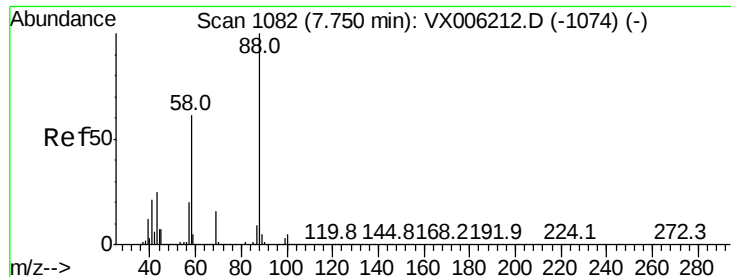


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

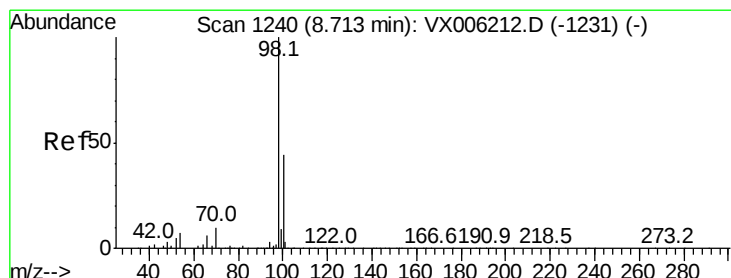
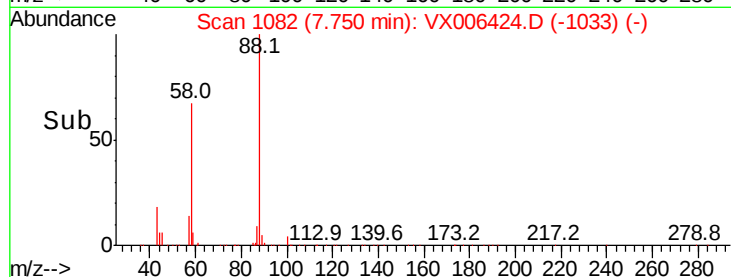
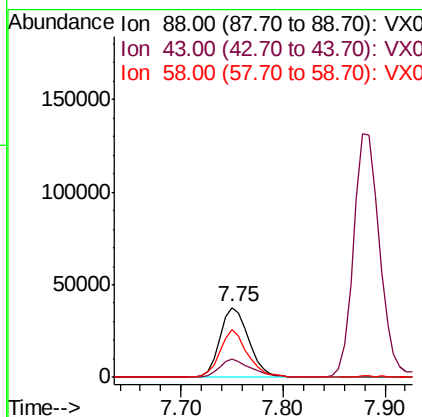
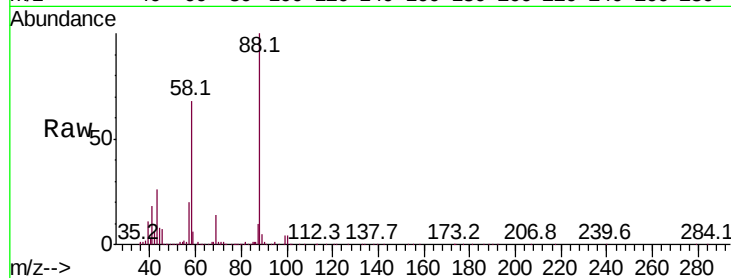




#49
1,4-Dioxane
Concen: 415.358 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

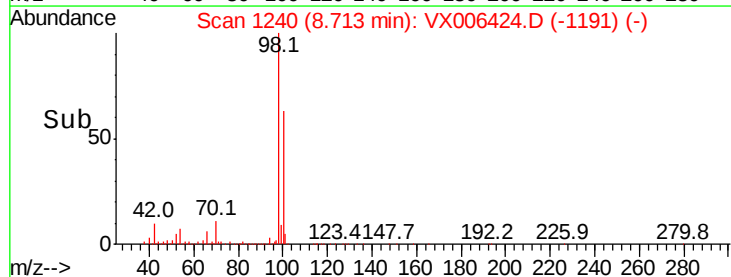
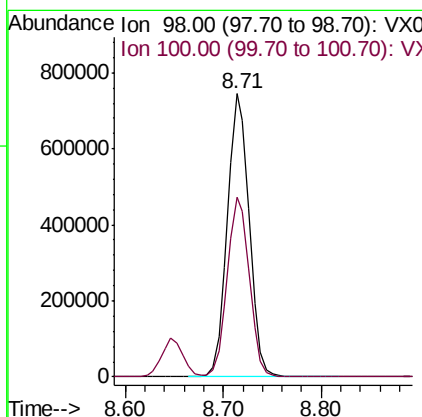
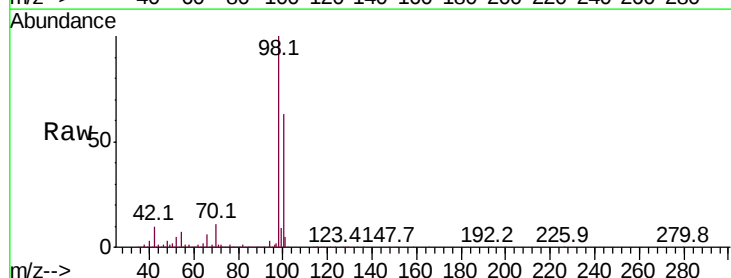
Instrument :
MSVOA_X
ClientSampleId :

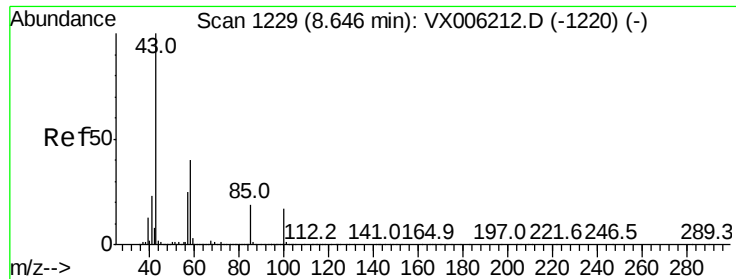
Tot Ion: 88 Resp: 74770
Ion Ratio Lower Upper
88 100
43 27.5 23.2 34.8
58 64.6 51.4 77.0



#50
Toluene-d8
Concen: 51.167 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion: 98 Resp: 1150613
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2

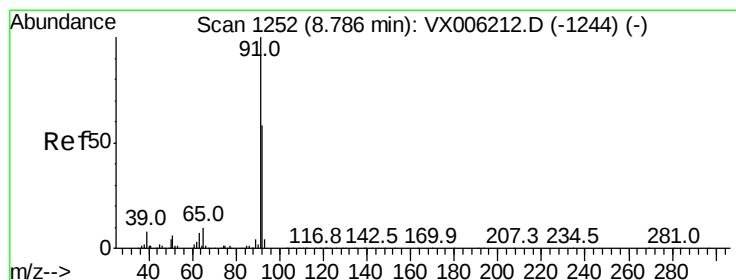
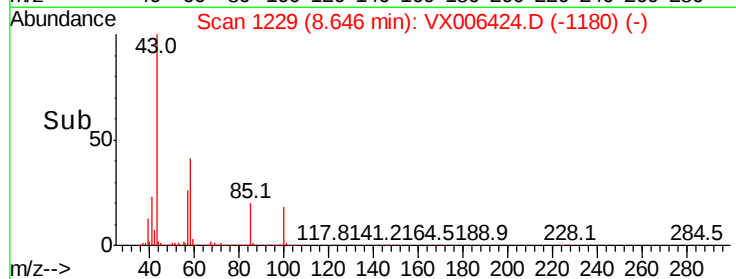
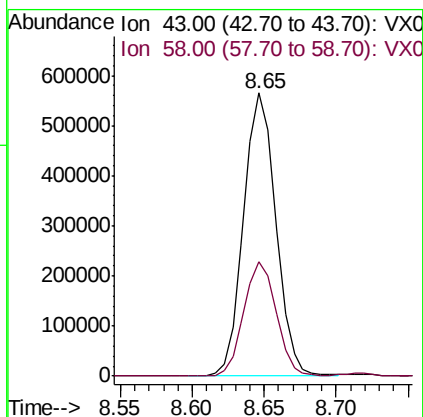
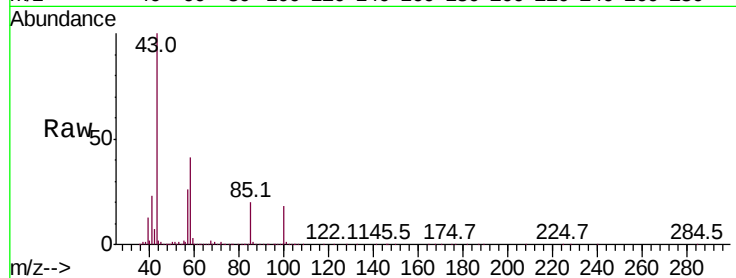




#51
4-Methyl-2-Pentanone
Concen: 100.410 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

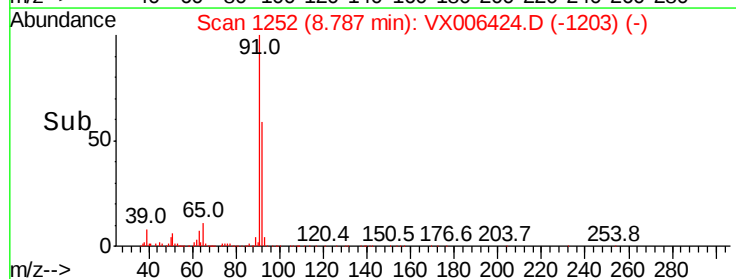
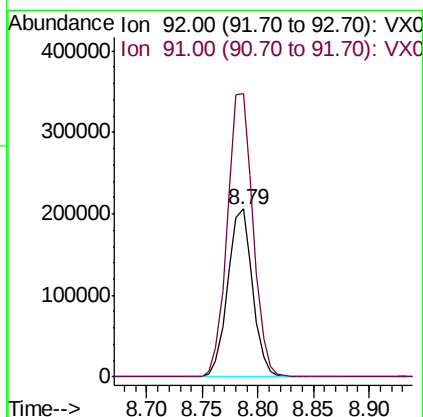
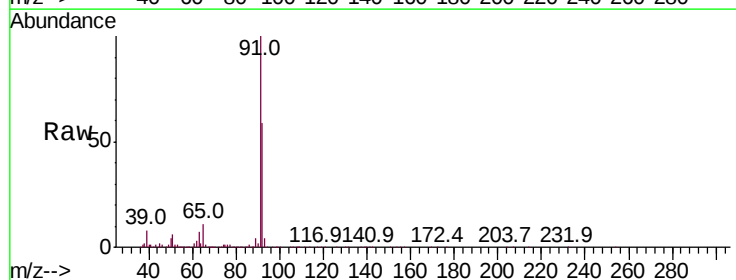
Instrument :
MSVOA_X
ClientSampleId :

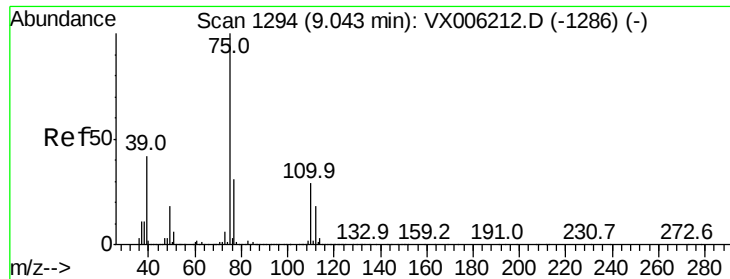
Tot Ion: 43 Resp: 877572
Ion Ratio Lower Upper
43 100
58 40.7 31.3 46.9



#52
Toluene
Concen: 20.042 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion: 92 Resp: 317546
Ion Ratio Lower Upper
92 100
91 175.1 139.2 208.8

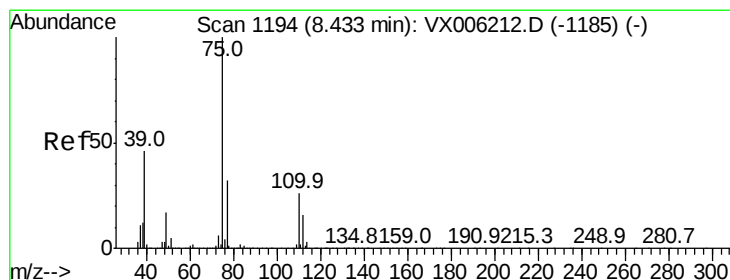
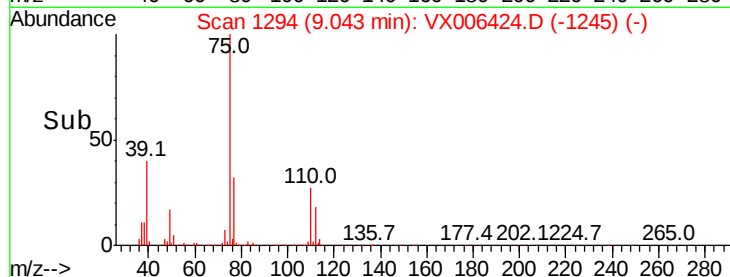
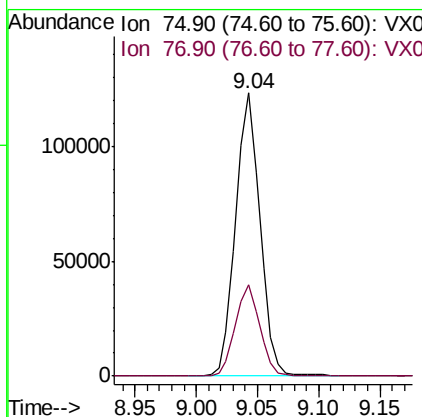
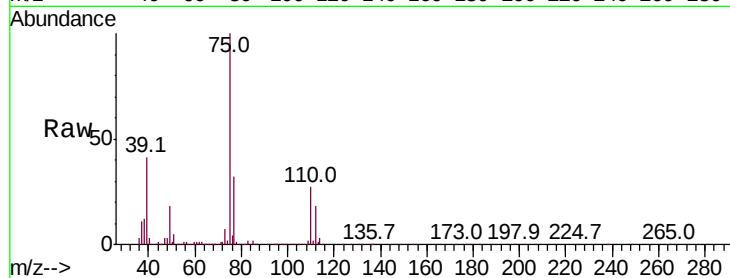




#53
t-1,3-Dichloropropene
Concen: 17.000 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

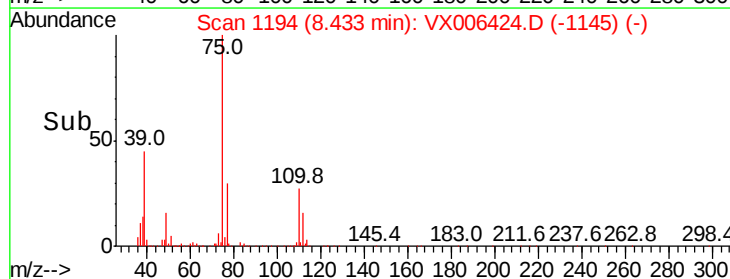
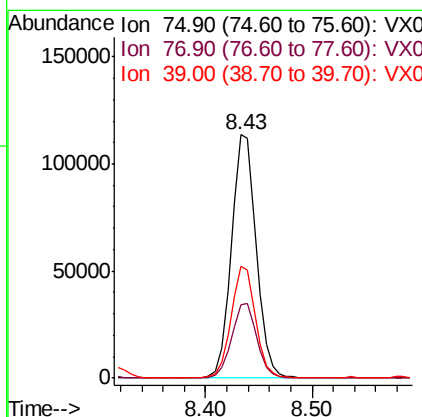
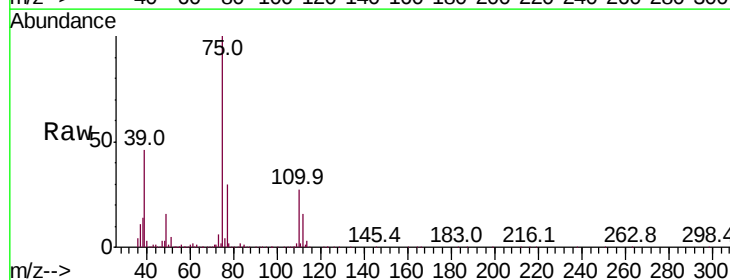
Instrument :
MSVOA_X
ClientSampled :

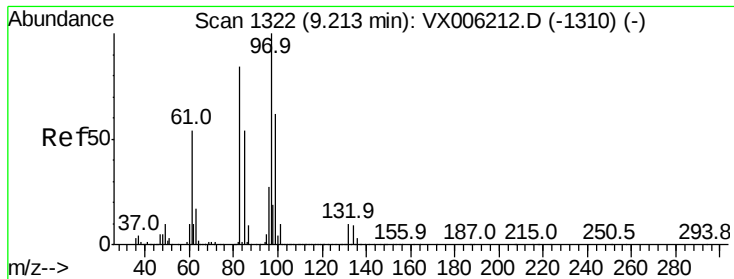
Tot Ion: 75 Resp: 170193
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 17.904 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion: 75 Resp: 186127
Ion Ratio Lower Upper
75 100
77 30.3 25.6 38.4
39 45.5 36.5 54.7

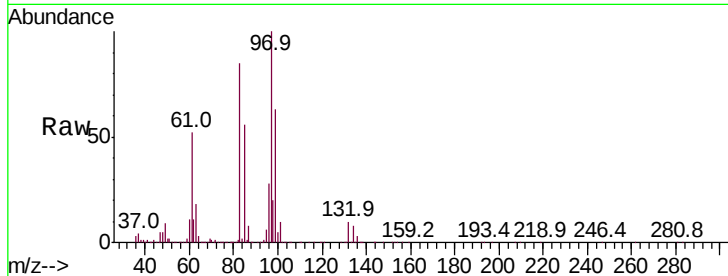




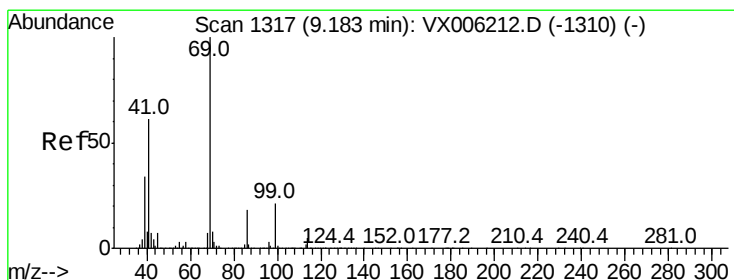
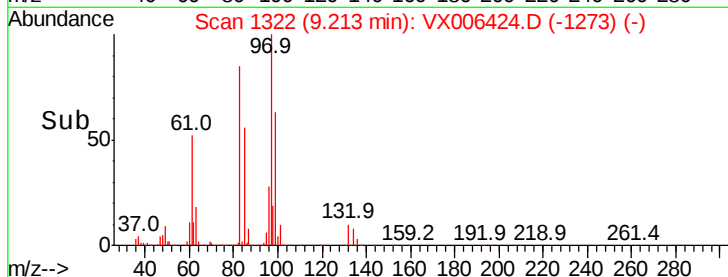
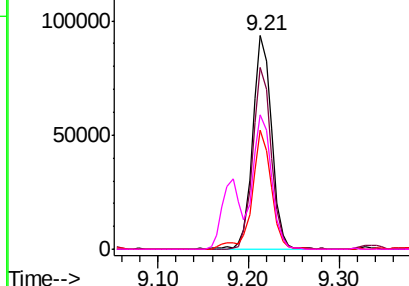
#55
 1,1,2-Trichloroethane
 Concen: 21.078 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	135677
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.1	100.7
85	55.7	43.2	64.8
99	62.8	49.8	74.6

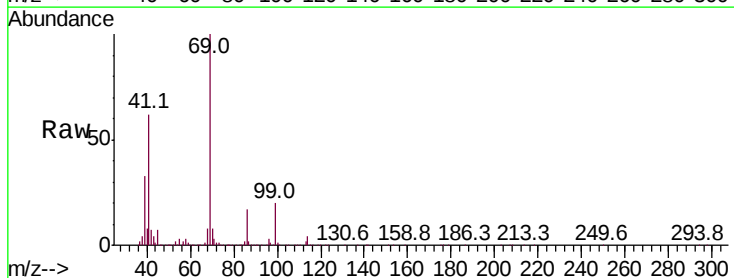


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

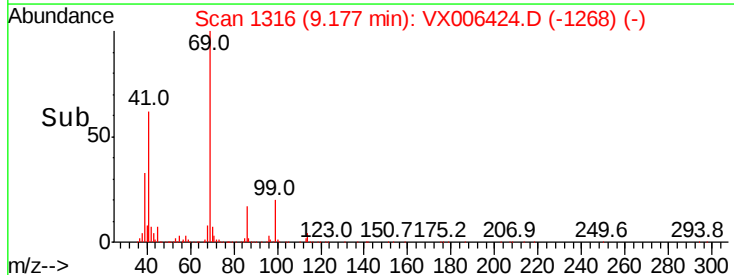
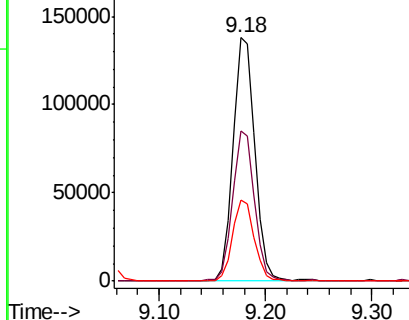


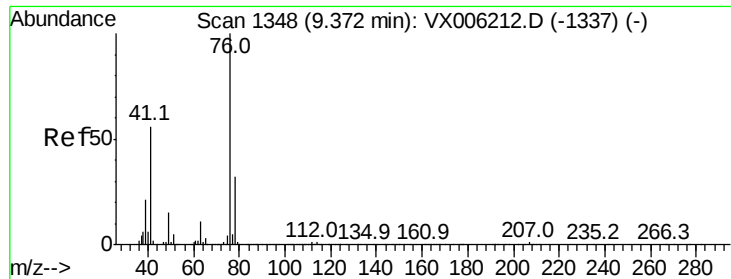
#56
 Ethyl methacrylate
 Concen: 19.824 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

Tgt Ion:	69	Resp:	199484
Ion	Ratio	Lower	Upper
69	100		
41	60.6	50.6	76.0
39	33.0	27.6	41.4



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: 20.330 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

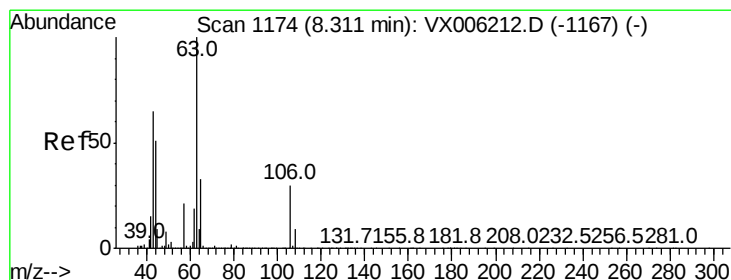
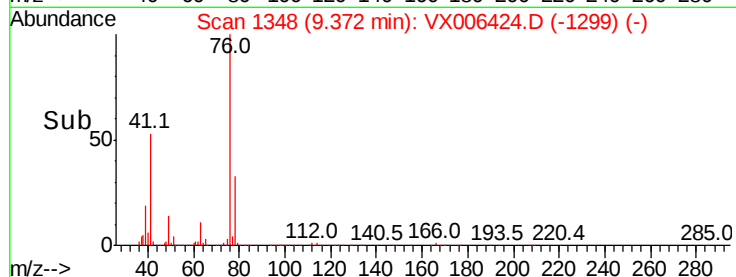
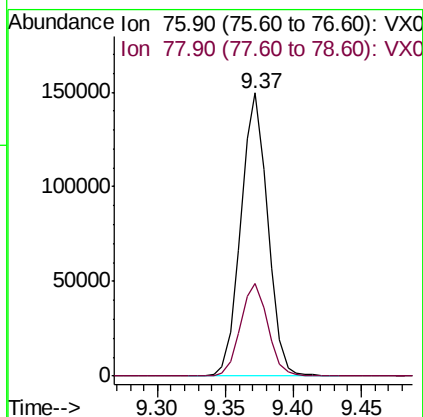
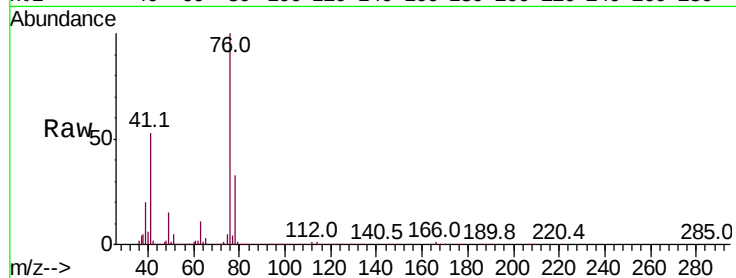
ClientSampleId :

Tot Ion: 76 Resp: 206930

Ion Ratio Lower Upper

76 100

78 33.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 92.711 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006424.D

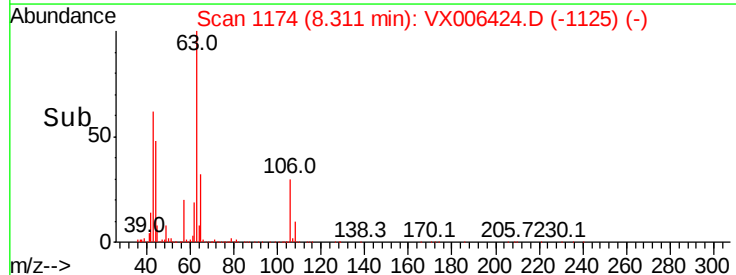
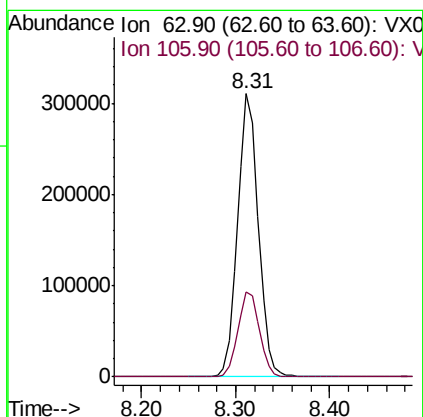
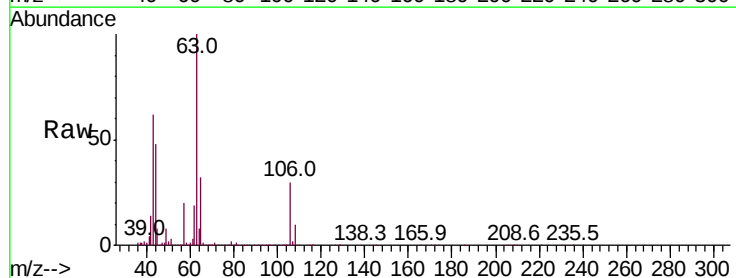
Acq: 11 Dec 2018 16:51

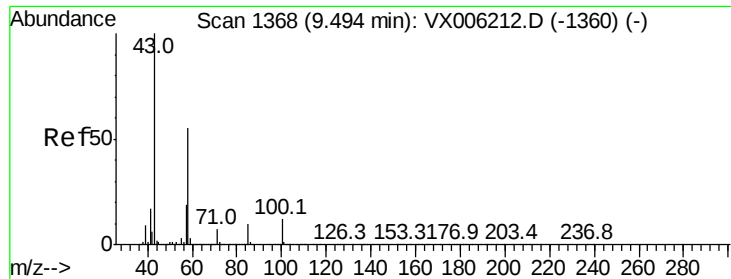
Tgt Ion: 63 Resp: 473413

Ion Ratio Lower Upper

63 100

106 31.1 24.9 37.3

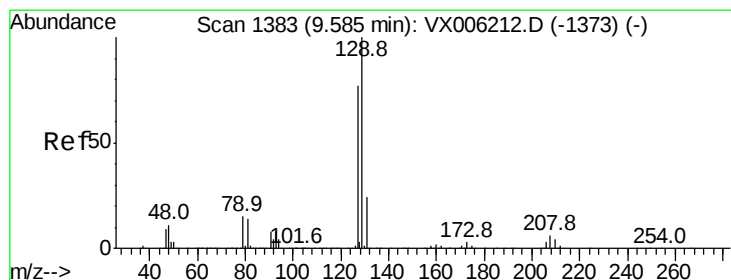
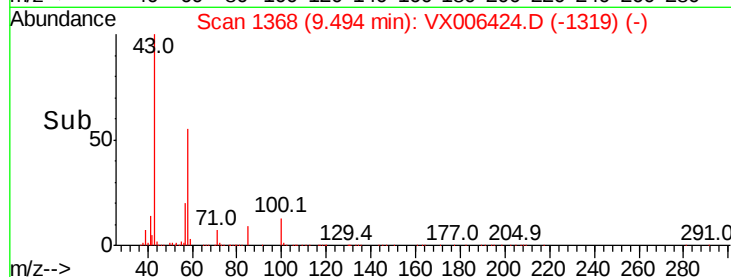
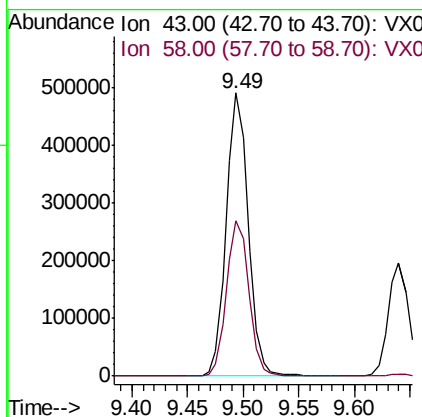
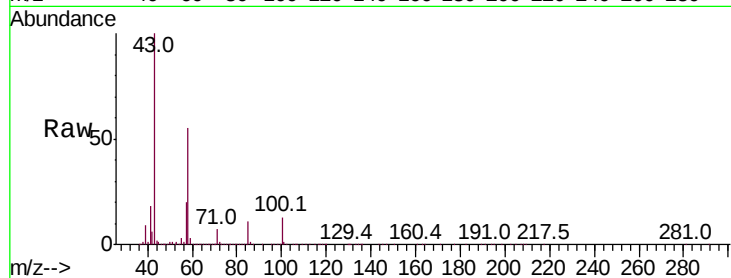




#59
2-Hexanone
Concen: 100.353 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

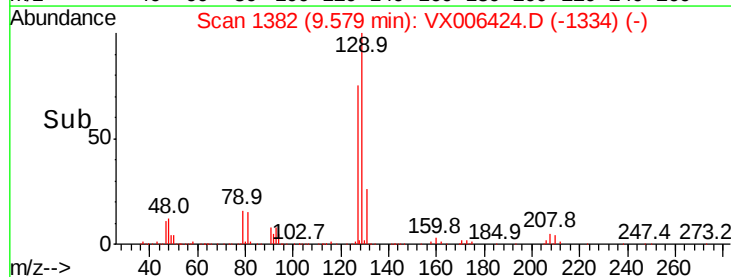
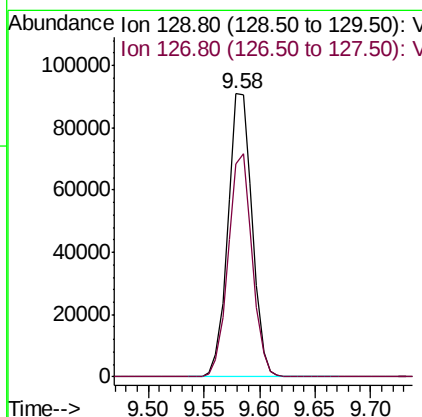
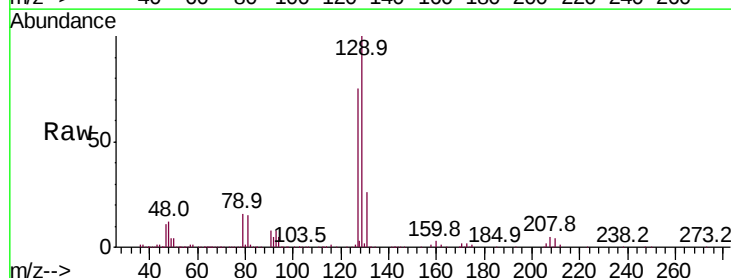
Instrument :
MSVOA_X
ClientSampleId :

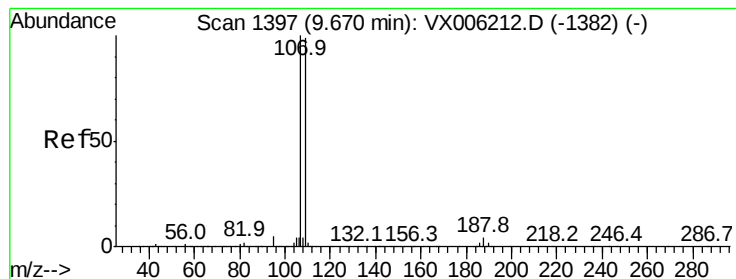
Tot Ion: 43 Resp: 670089
Ion Ratio Lower Upper
43 100
58 56.1 27.7 83.1



#60
Dibromochloromethane
Concen: 17.272 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion: 129 Resp: 137091
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.983 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

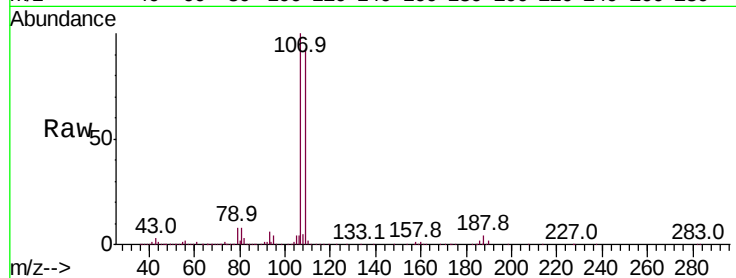
ClientSampleId :

Tot Ion:107 Resp: 143822

Ion Ratio Lower Upper

107 100

109 95.2 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

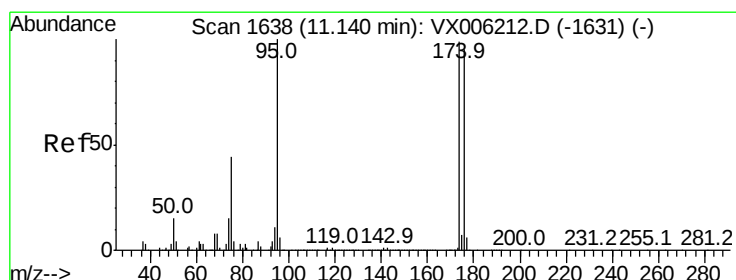
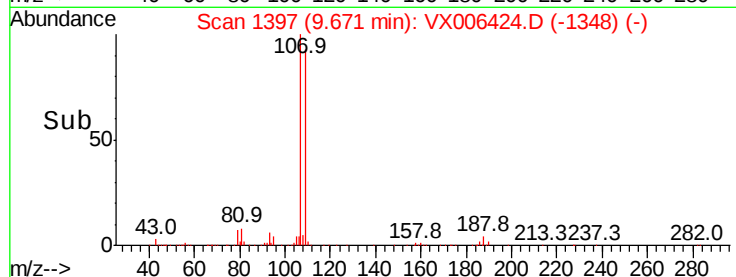
60000

40000

20000

0

Time--> 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 52.269 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

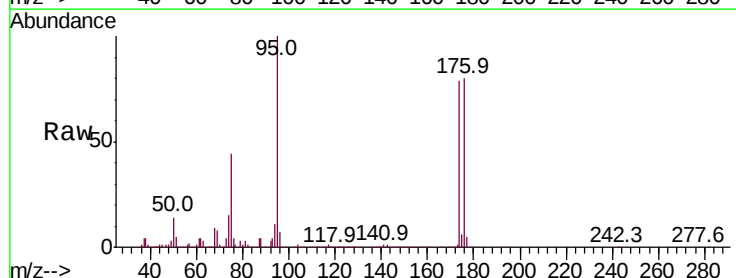
Tgt Ion: 95 Resp: 442923

Ion Ratio Lower Upper

95 100

174 89.2 0.0 187.0

176 87.7 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

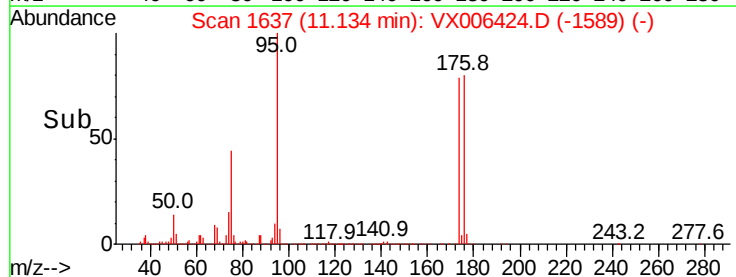
300000

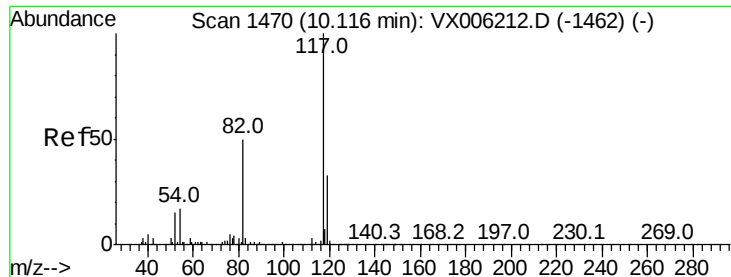
200000

100000

0

Time--> 11.10 11.20

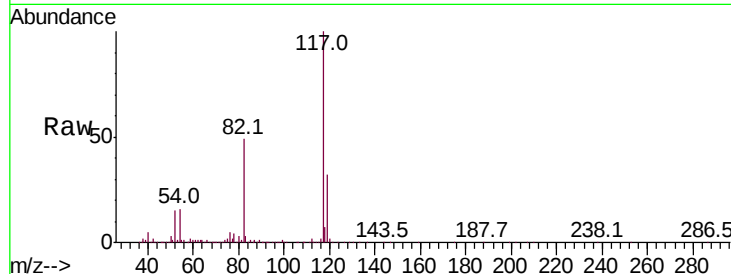




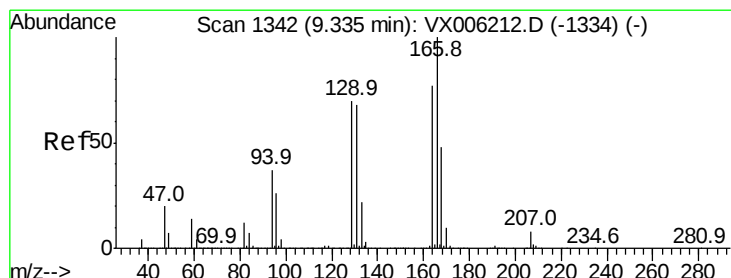
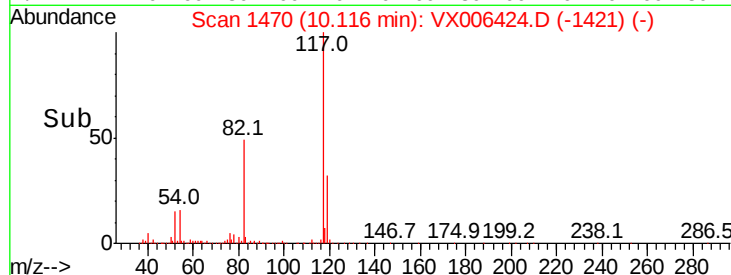
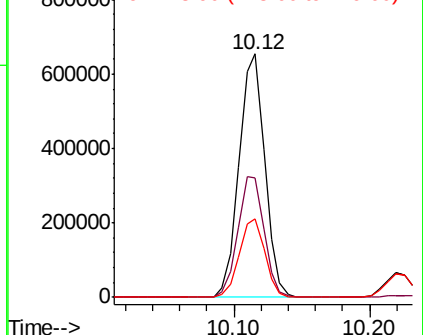
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 862782
Ion Ratio Lower Upper
117 100
82 48.9 39.6 59.4
119 32.3 26.3 39.5

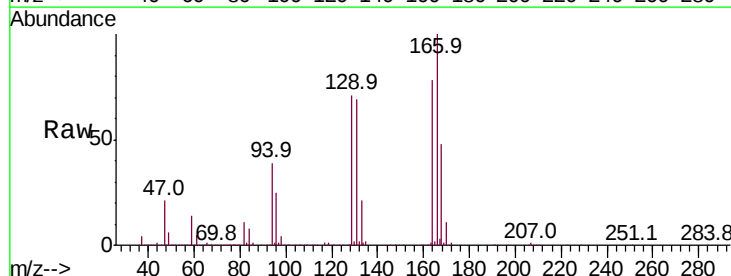


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

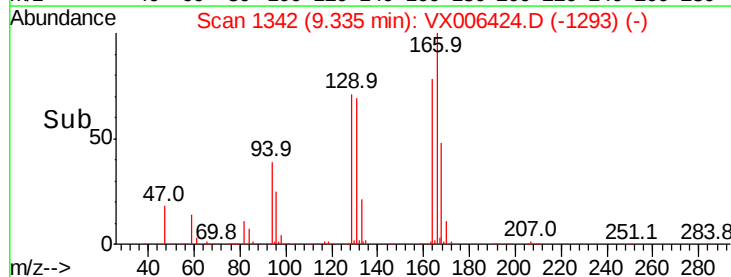
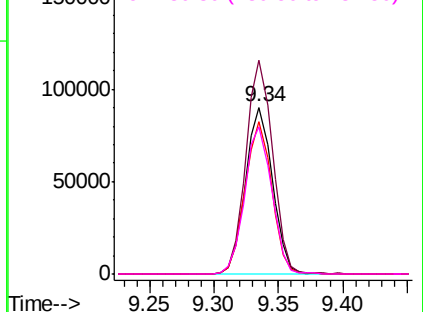


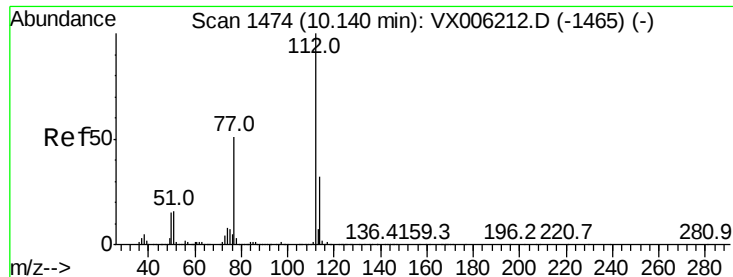
#64
Tetrachloroethene
Concen: 20.076 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion:164 Resp: 130445
Ion Ratio Lower Upper
164 100
166 128.0 104.2 156.2
129 91.0 72.6 108.8
131 87.9 70.3 105.5



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





#65

Chlorobenzene

Concen: 20.496 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

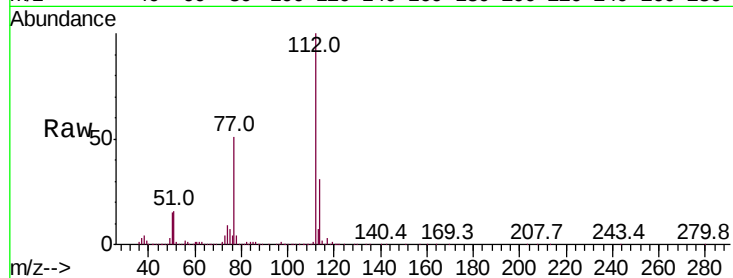
ClientSampleId :

Tot Ion:112 Resp: 375390

Ion Ratio Lower Upper

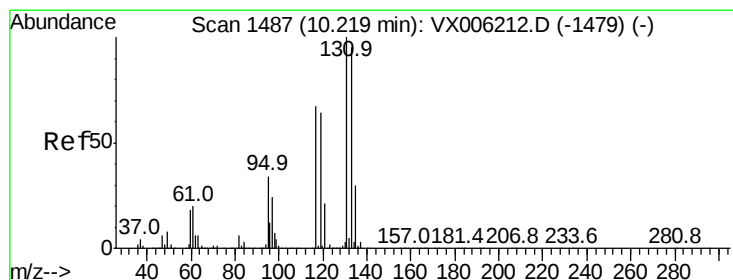
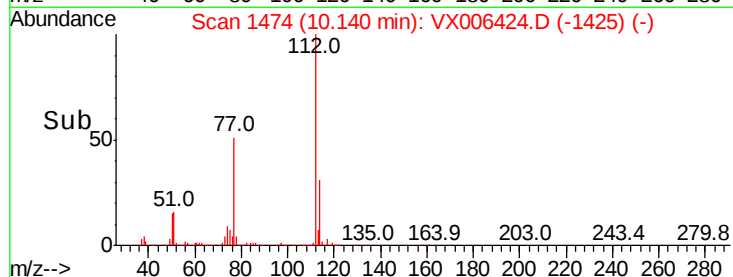
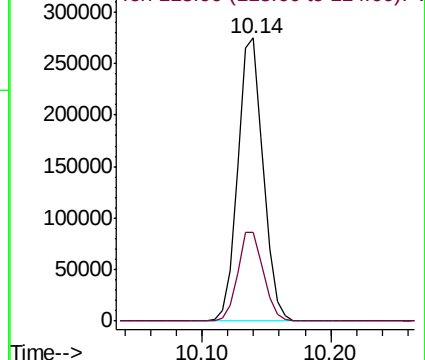
112 100

114 31.4 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.771 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

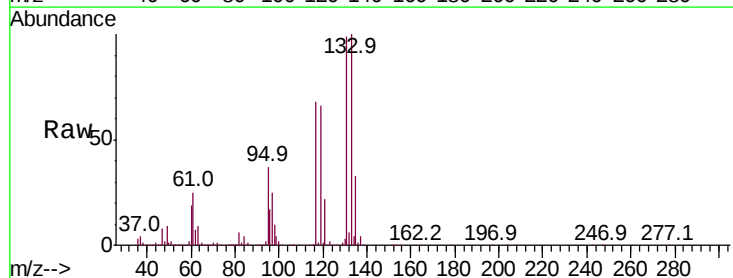
Tgt Ion:131 Resp: 133573

Ion Ratio Lower Upper

131 100

133 98.7 48.1 144.4

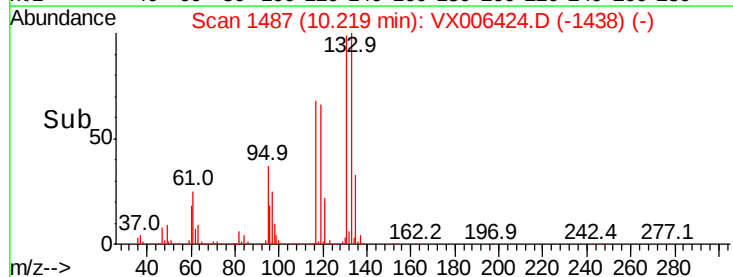
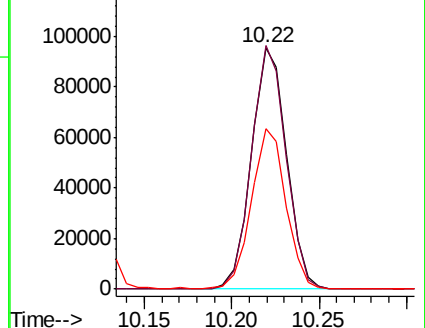
119 64.9 32.1 96.3

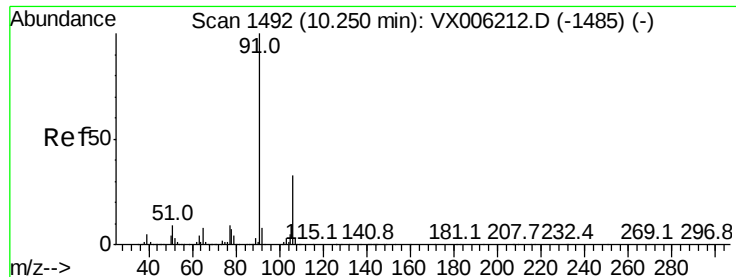


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.274 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

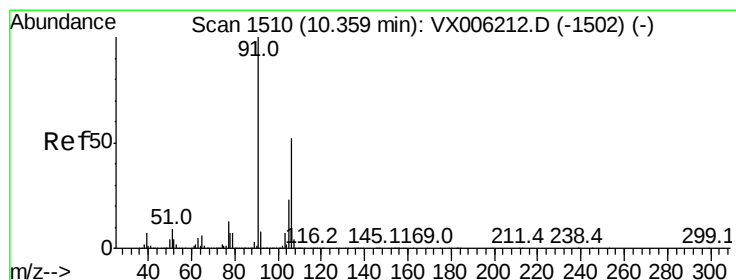
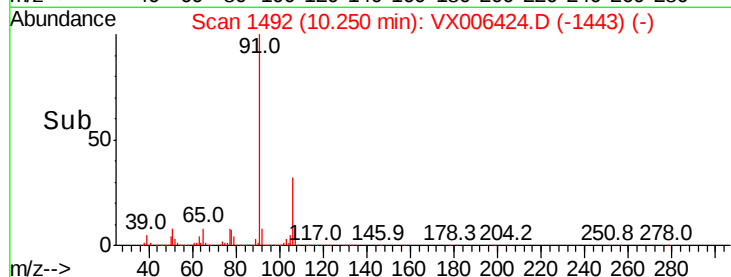
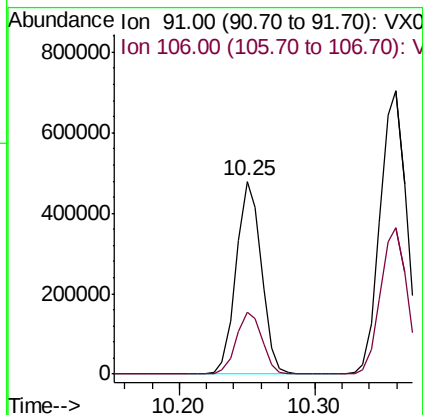
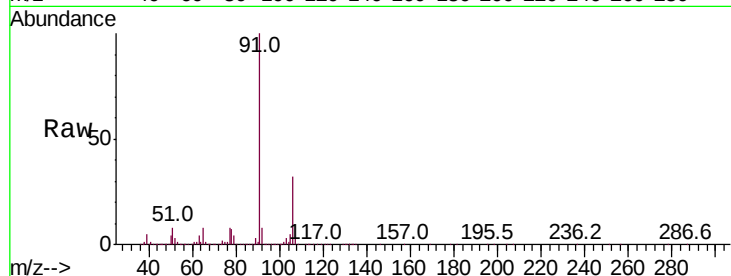
ClientSampled :

Tot Ion: 91 Resp: 617577

Ion Ratio Lower Upper

91 100

106 32.2 26.5 39.7



#68

m/p-Xylenes

Concen: 40.321 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006424.D

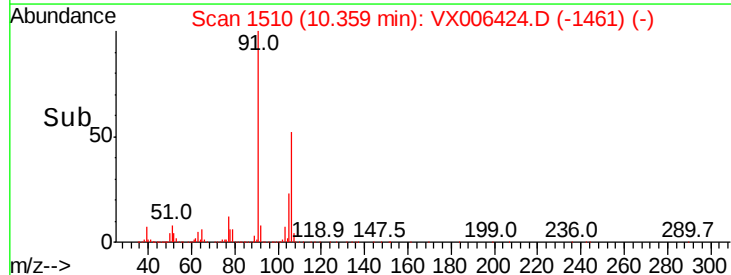
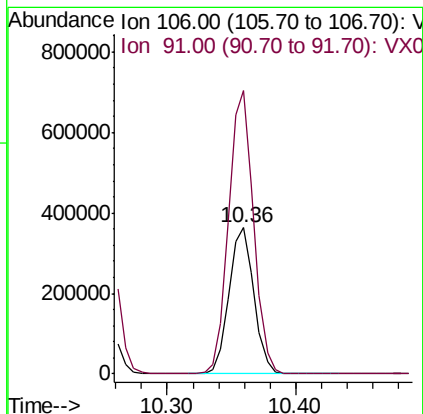
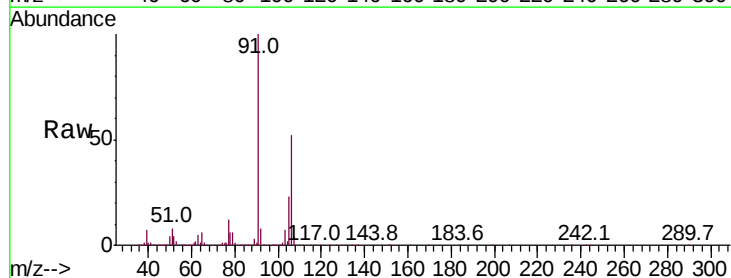
Acq: 11 Dec 2018 16:51

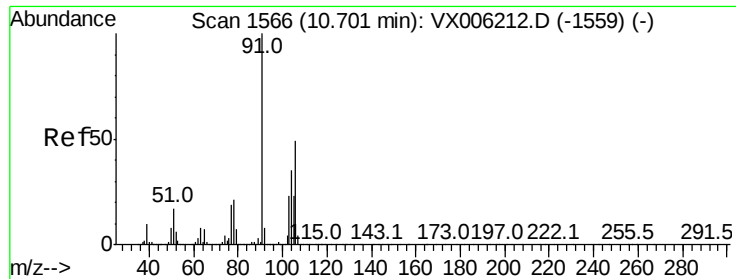
Tgt Ion: 106 Resp: 492000

Ion Ratio Lower Upper

106 100

91 194.1 155.2 232.8

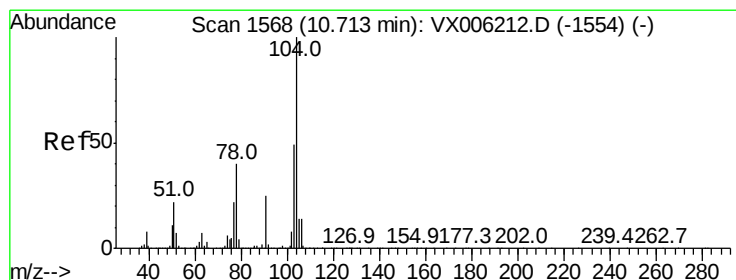
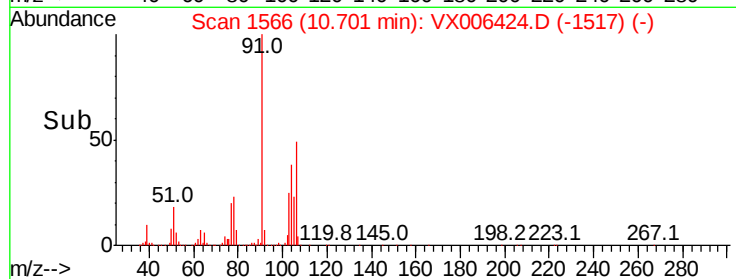
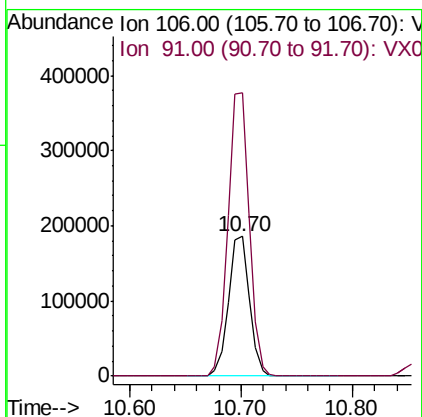
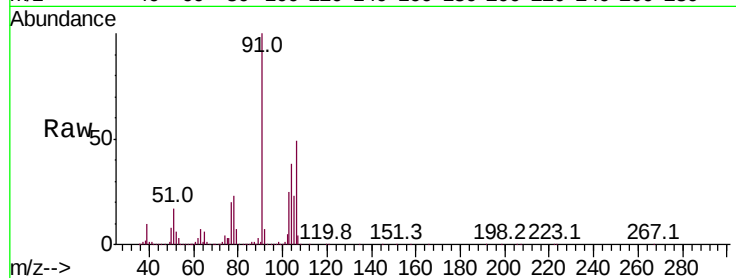




#69
o-Xylene
Concen: 20.066 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

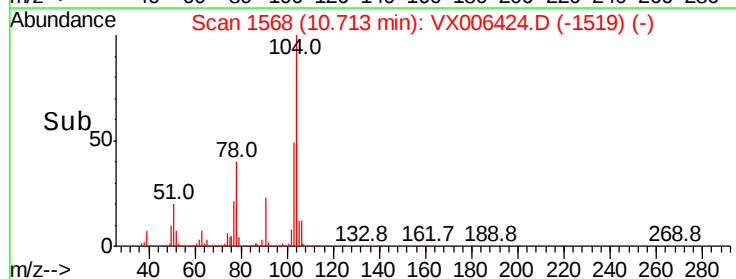
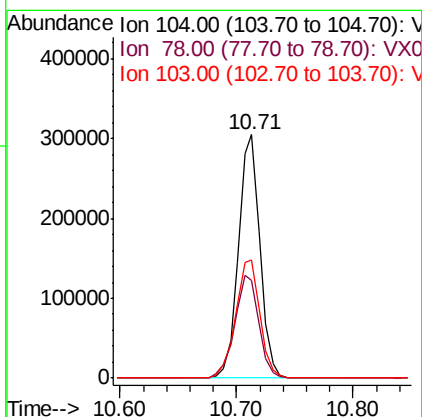
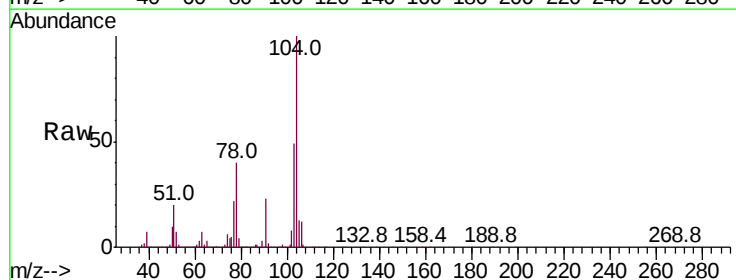
Instrument :
MSVOA_X
ClientSampleId :

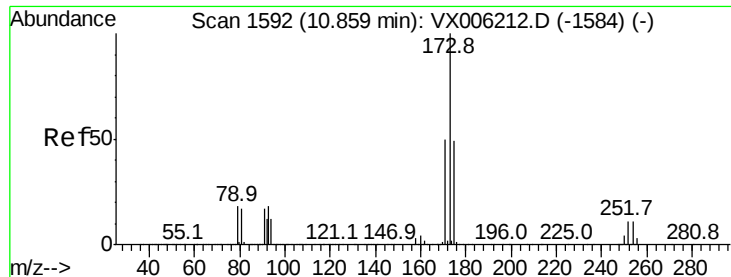
Tot Ion:106 Resp: 241846
Ion Ratio Lower Upper
106 100
91 205.6 101.8 305.6



#70
Styrene
Concen: 20.081 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion:104 Resp: 391444
Ion Ratio Lower Upper
104 100
78 47.2 37.2 55.8
103 55.2 43.5 65.3





#71

Bromoform

Concen: 15.289 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

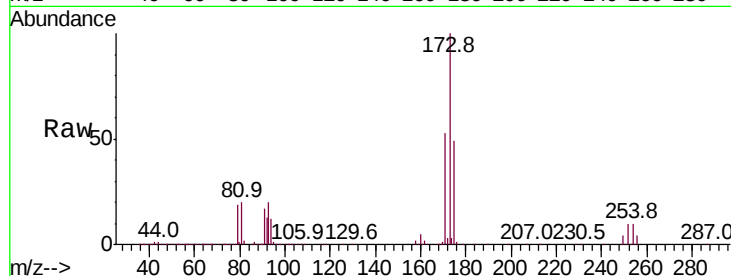
Tot Ion:173 Resp: 102701

Ion Ratio Lower Upper

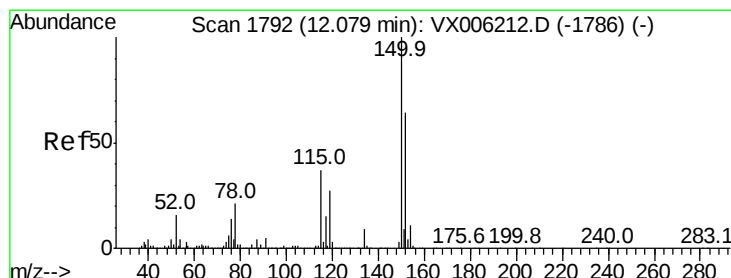
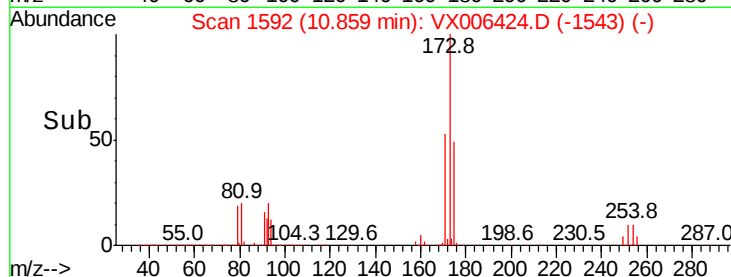
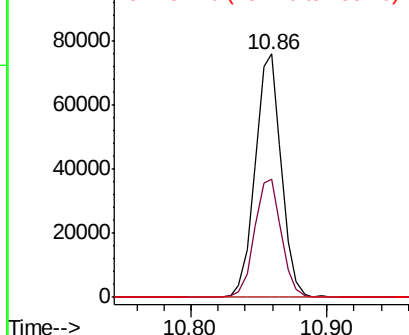
173 100

175 49.7 24.6 73.8

254 0.1 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# 1792

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

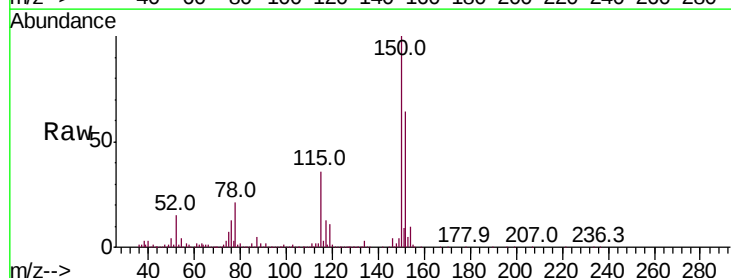
Tgt Ion:152 Resp: 447680

Ion Ratio Lower Upper

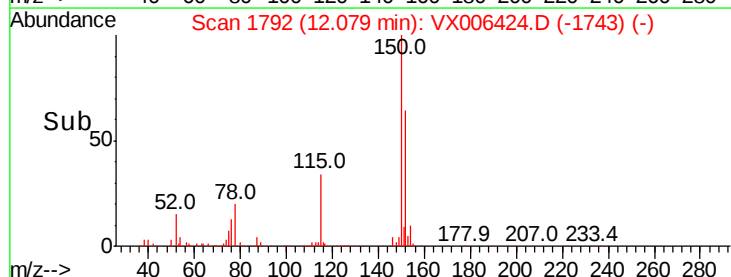
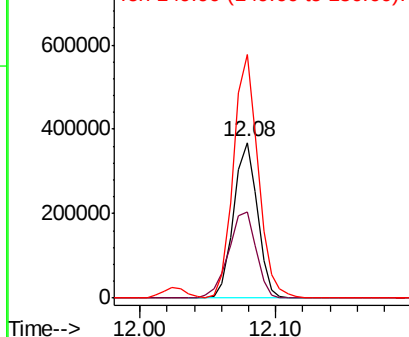
152 100

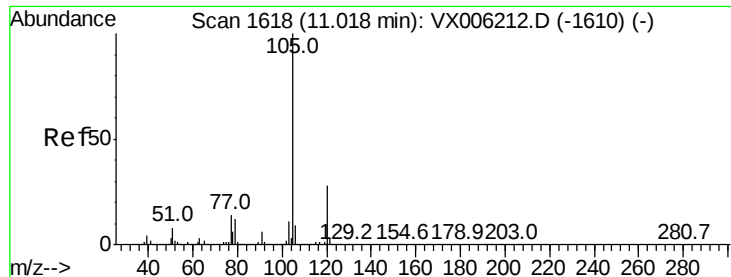
115 64.8 39.0 116.9

150 163.7 0.0 345.8



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: 20.797 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

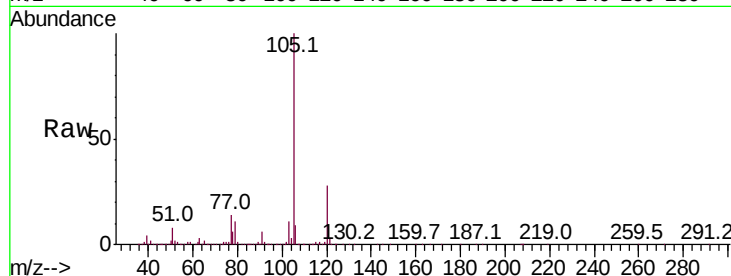
ClientSampleId :

Tot Ion:105 Resp: 642961

Ion Ratio Lower Upper

105 100

120 28.2 14.1 42.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

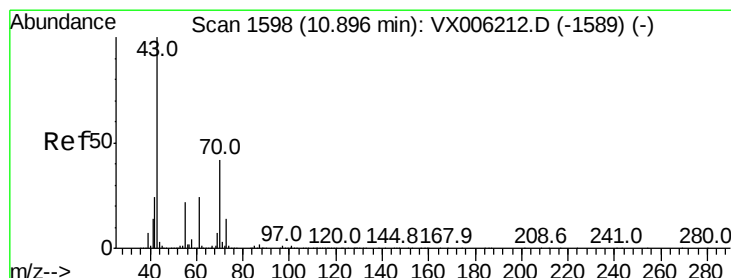
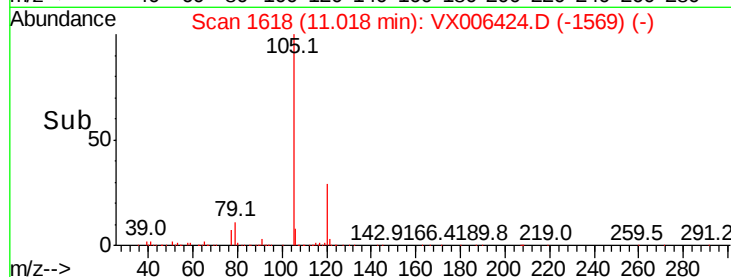
100000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 18.675 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Tgt Ion: 43 Resp: 248628

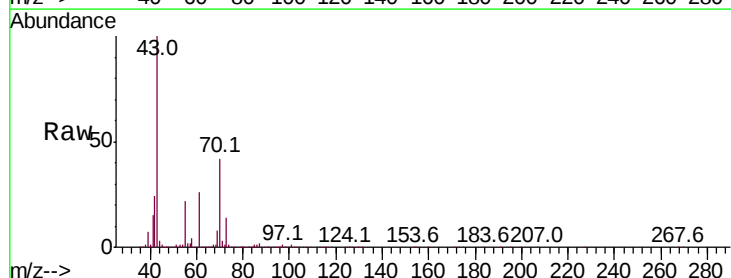
Ion Ratio Lower Upper

43 100

70 44.6 34.1 51.1

55 24.6 17.8 26.8

61 26.0 19.7 29.5



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

300000

200000

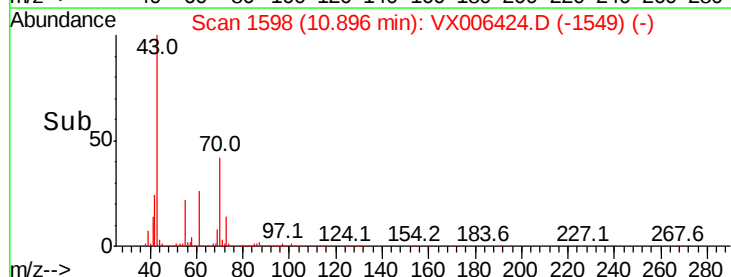
100000

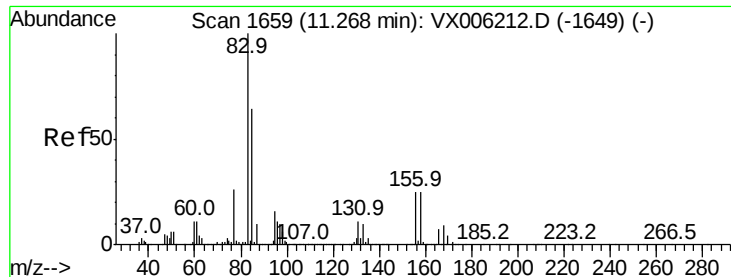
0

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.024 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

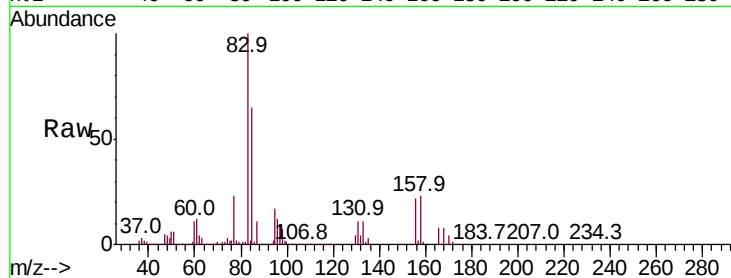
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 83 Resp: 207945

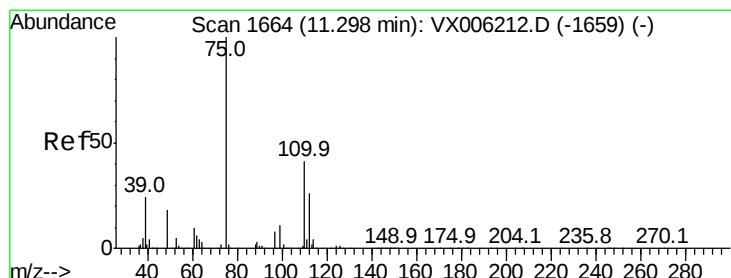
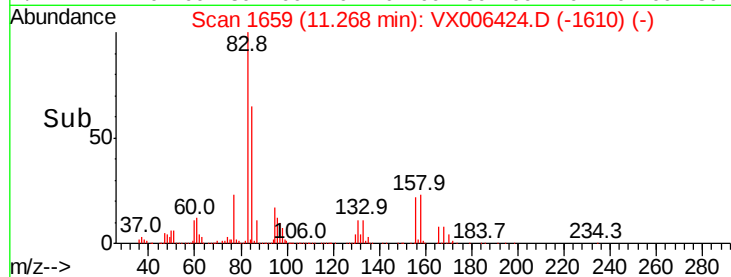
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.7	17.1
85	65.1	32.1	96.5



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: 26.389 ug/l

RT: 11.30 min Scan# 1664

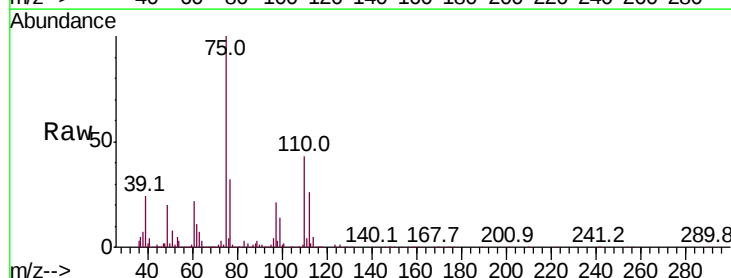
Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

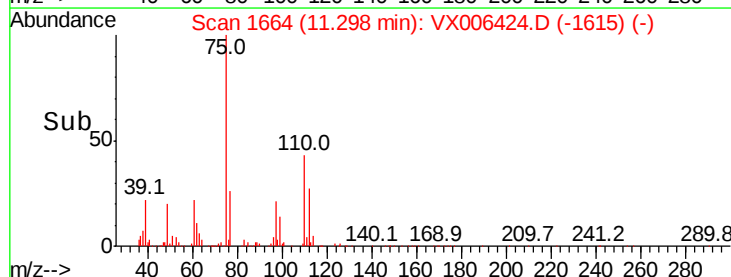
Tgt Ion: 75 Resp: 228027

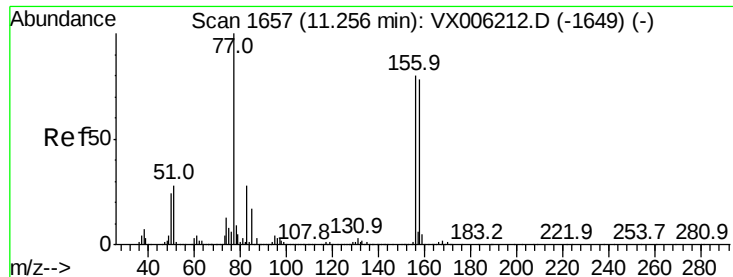
Ion	Ratio	Lower	Upper
75	100		
77	31.9	19.9	59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.422 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

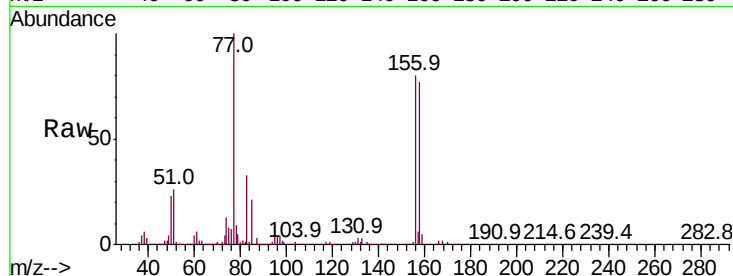
Tot Ion:156 Resp: 175217

Ion Ratio Lower Upper

156 100

77 133.0 66.2 198.6

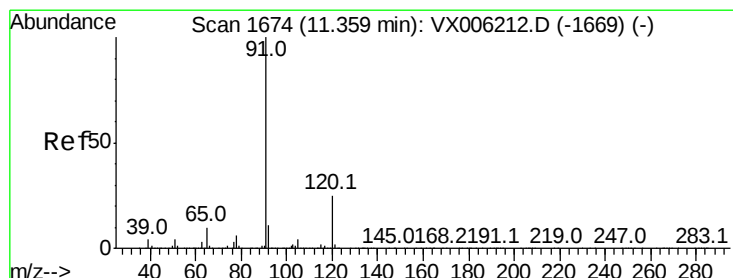
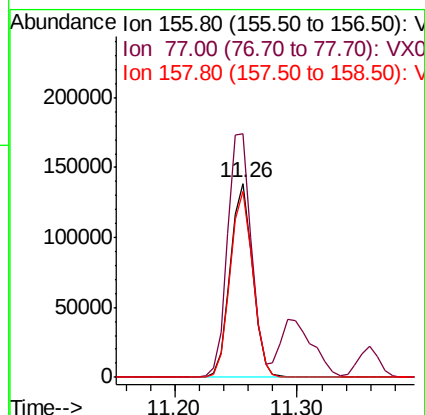
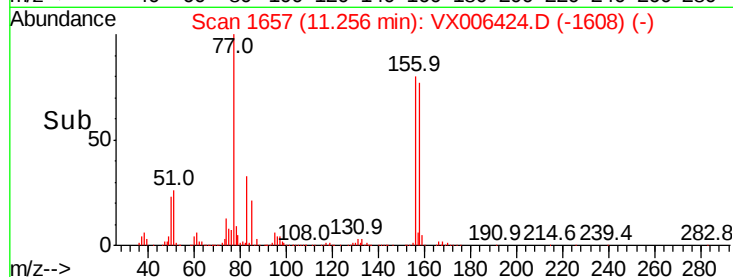
158 97.2 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.302 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006424.D

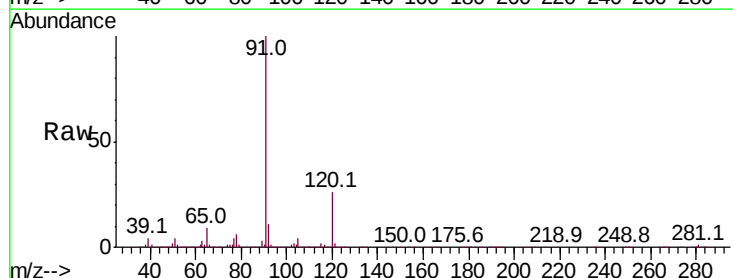
Acq: 11 Dec 2018 16:51

Tgt Ion: 91 Resp: 697709

Ion Ratio Lower Upper

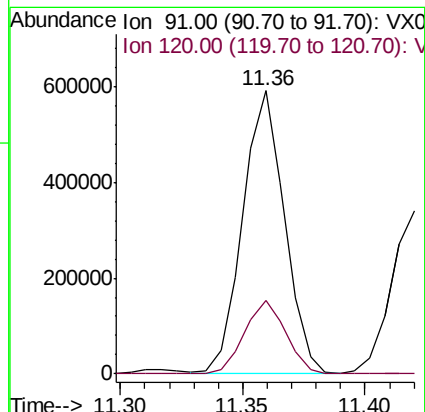
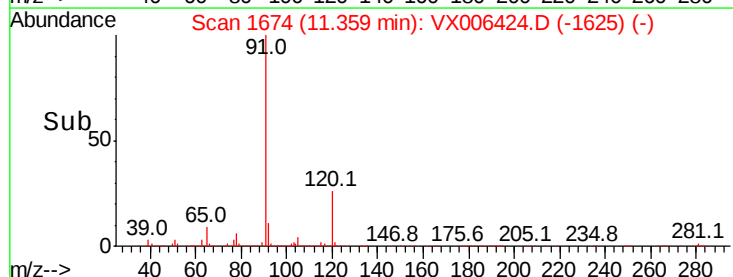
91 100

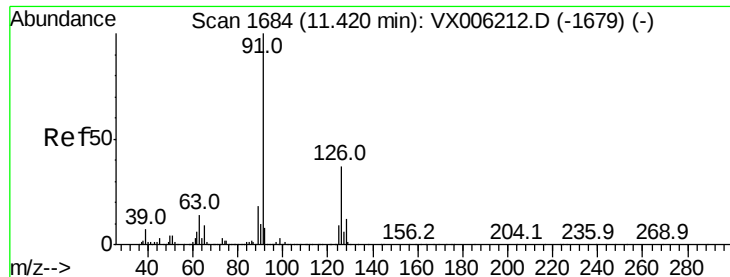
120 25.8 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.473 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

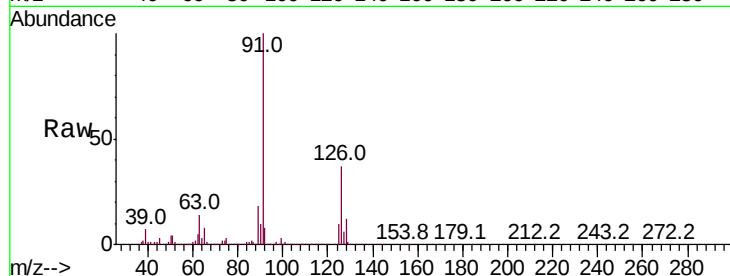
ClientSampleId :

Tot Ion: 91 Resp: 418188

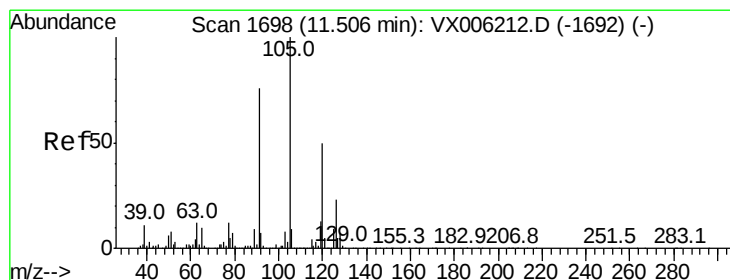
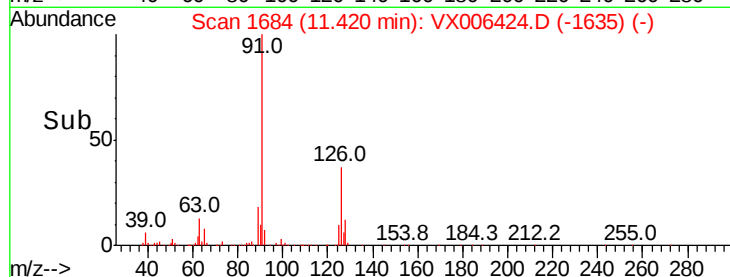
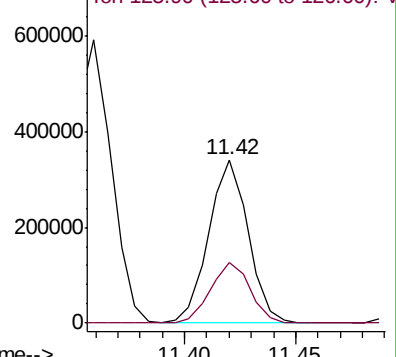
Ion Ratio Lower Upper

91 100

126 37.5 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX006424.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.003 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006424.D

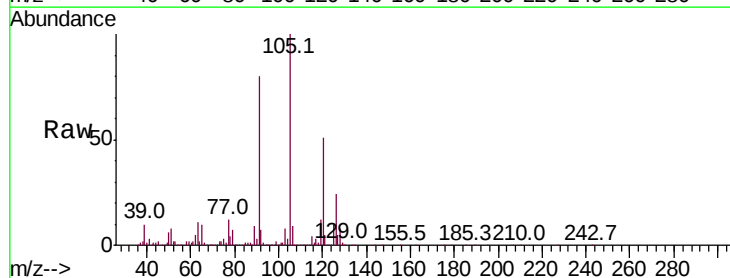
Acq: 11 Dec 2018 16:51

Tgt Ion: 105 Resp: 540275

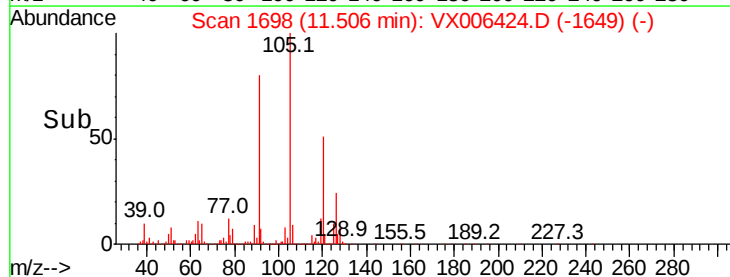
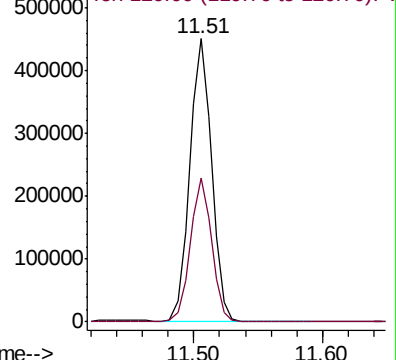
Ion Ratio Lower Upper

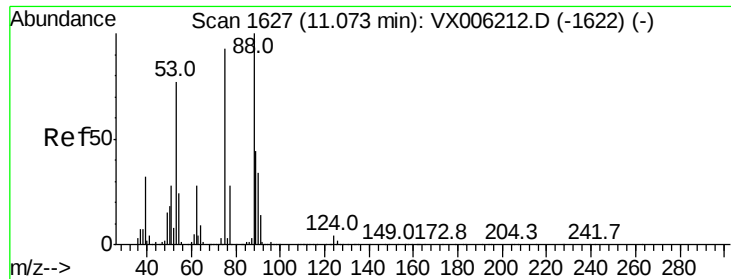
105 100

120 49.6 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VX006424.D (-1649) (-)

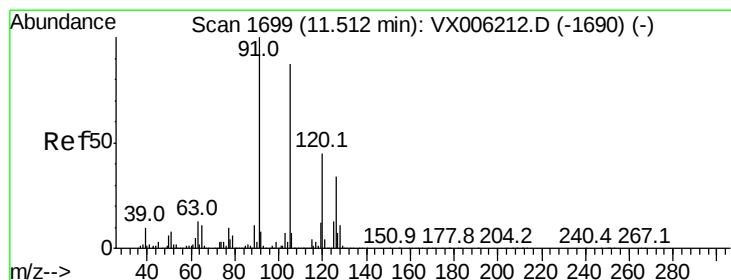
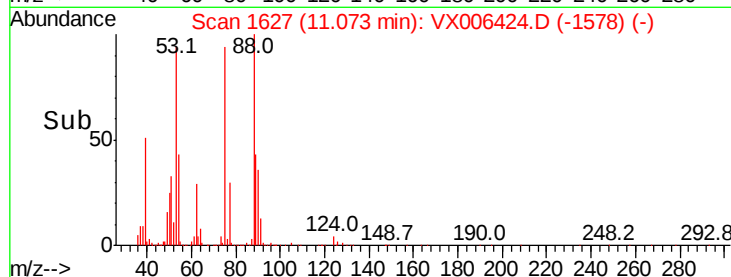
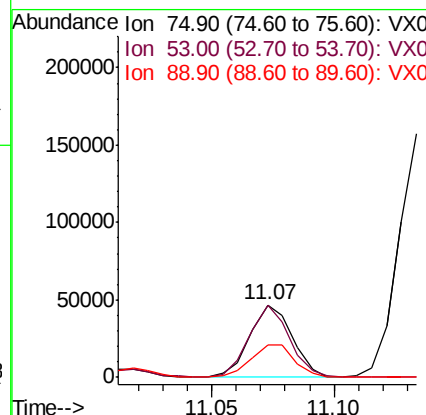
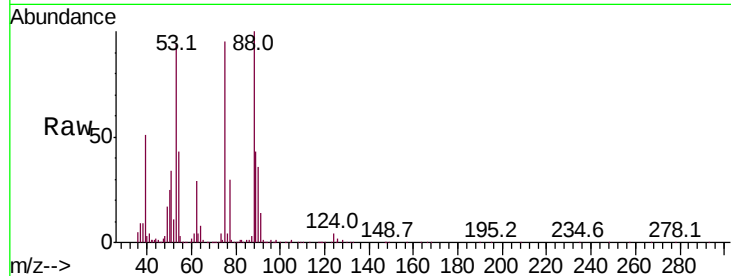




#81
trans-1,4-Dichloro-2-butene
Concen: 15.190 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

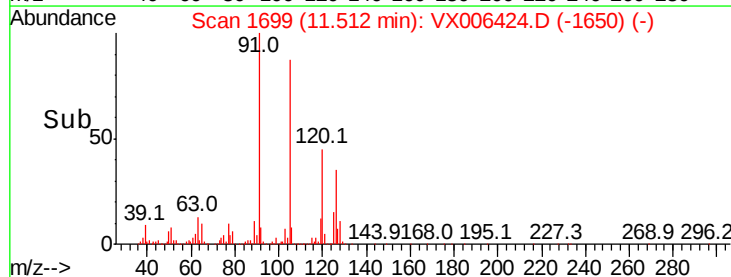
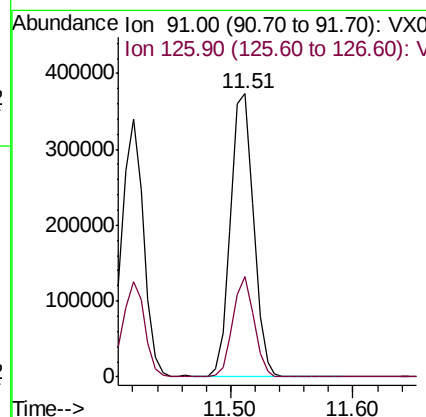
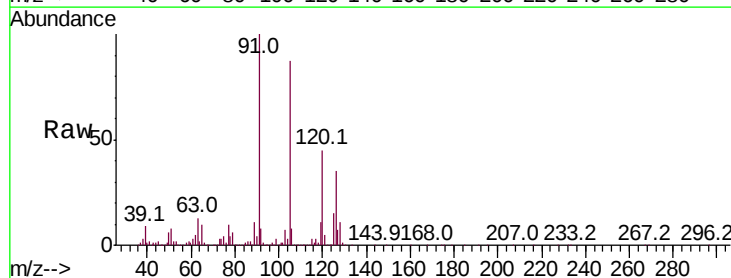
Instrument :
MSVOA_X
ClientSampleId :

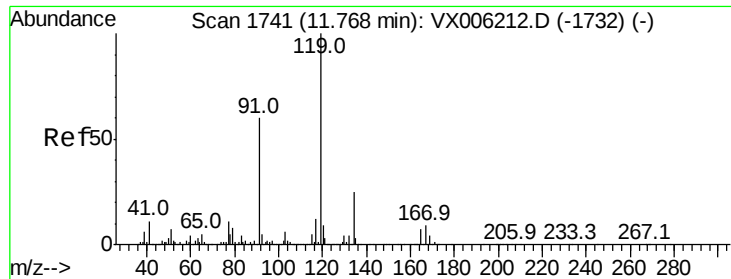
Tot Ion: 75 Resp: 55933
Ion Ratio Lower Upper
75 100
53 96.3 64.4 96.6
89 47.3 44.2 66.4



#82
4-Chlorotoluene
Concen: 20.472 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion: 91 Resp: 486168
Ion Ratio Lower Upper
91 100
126 32.3 16.4 49.4





#83

tert-Butylbenzene

Concen: 20.577 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

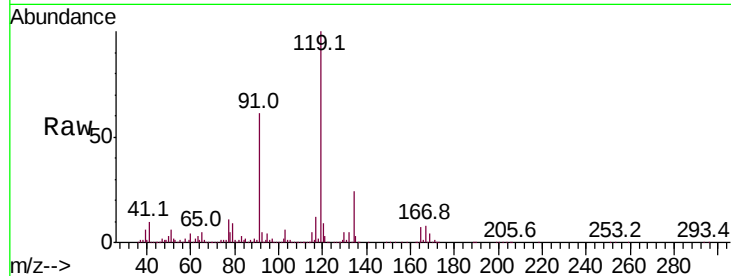
Tot Ion:119 Resp: 564761

Ion Ratio Lower Upper

119 100

91 54.6 26.4 79.2

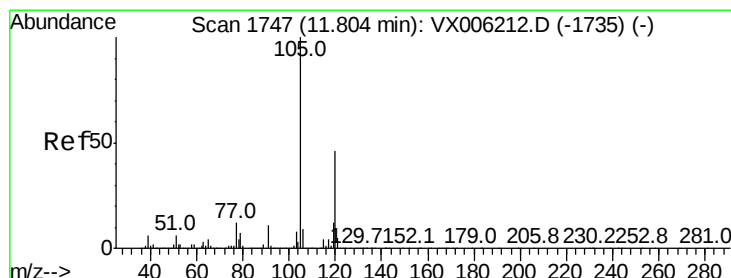
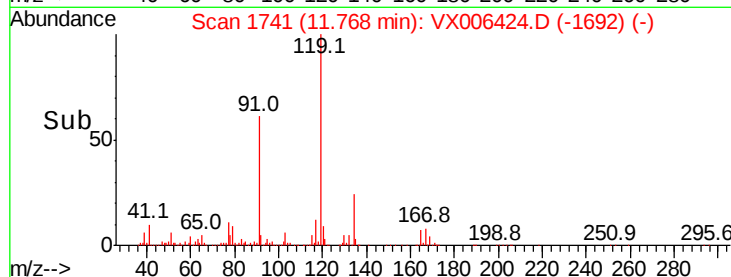
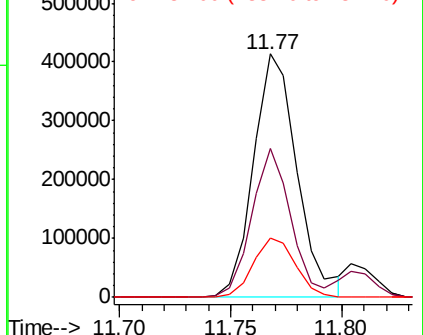
134 23.5 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.876 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006424.D

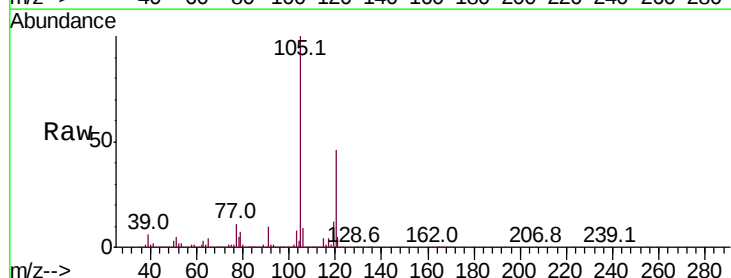
Acq: 11 Dec 2018 16:51

Tgt Ion:105 Resp: 554504

Ion Ratio Lower Upper

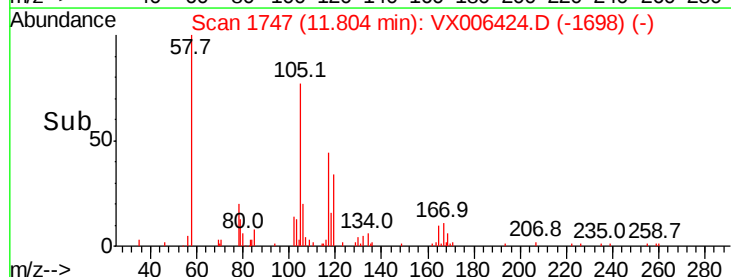
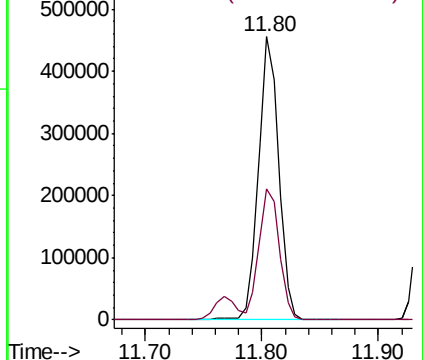
105 100

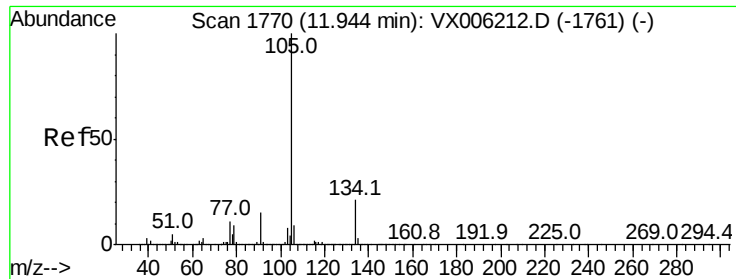
120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.580 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

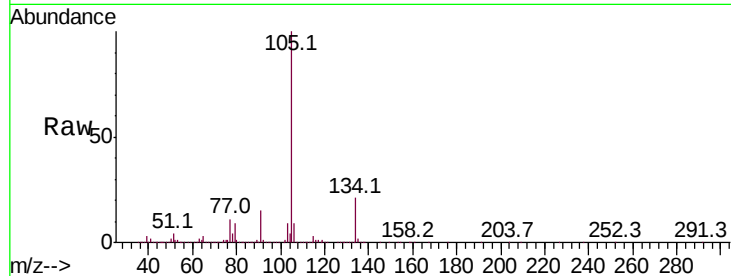
ClientSampleId :

Tot Ion:105 Resp: 642573

Ion Ratio Lower Upper

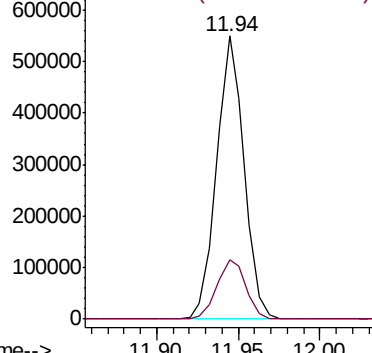
105 100

134 22.0 10.8 32.4

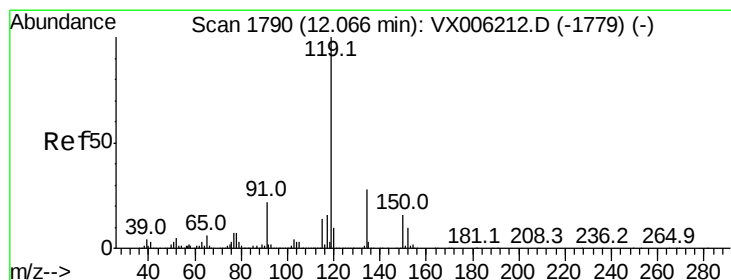
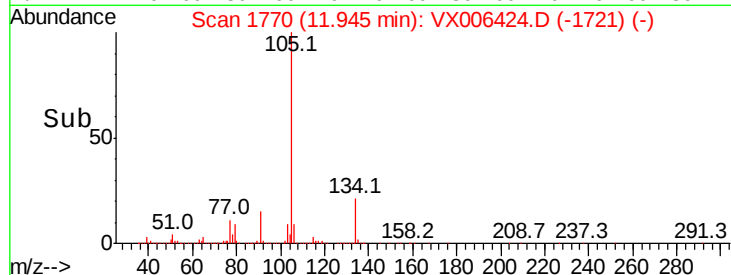


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.506 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

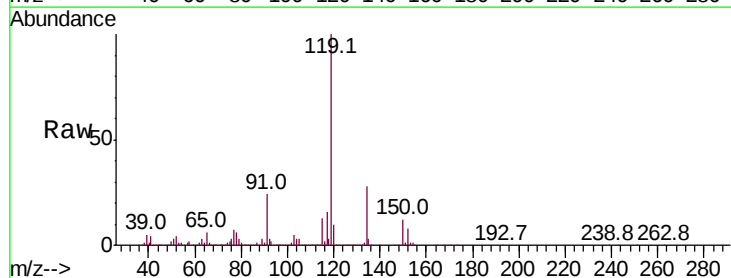
Tgt Ion:119 Resp: 576538

Ion Ratio Lower Upper

119 100

134 27.2 13.9 41.6

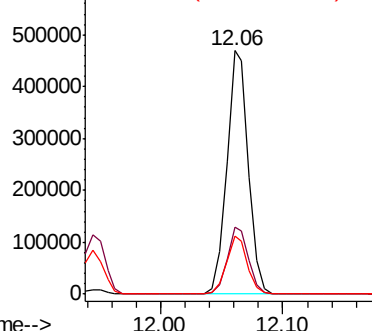
91 23.2 11.3 33.8



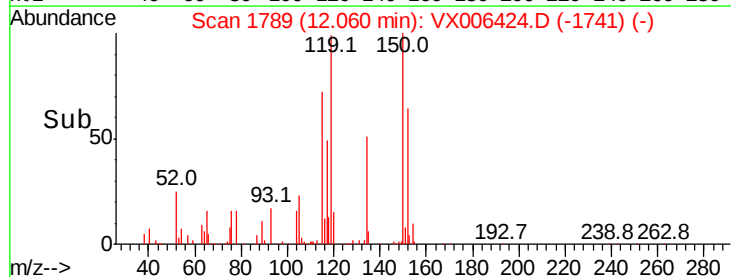
Abundance Ion 119.00 (118.70 to 119.70): V

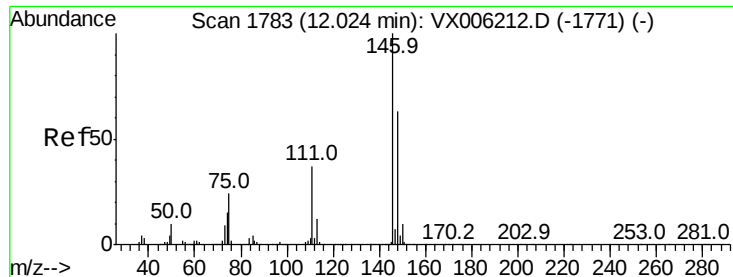
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->





#87

1,3-Dichlorobenzene

Concen: 20.607 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006424.D

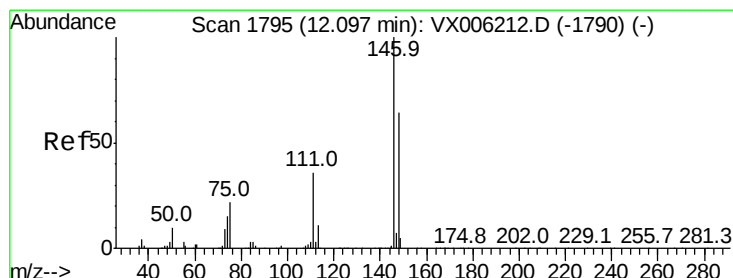
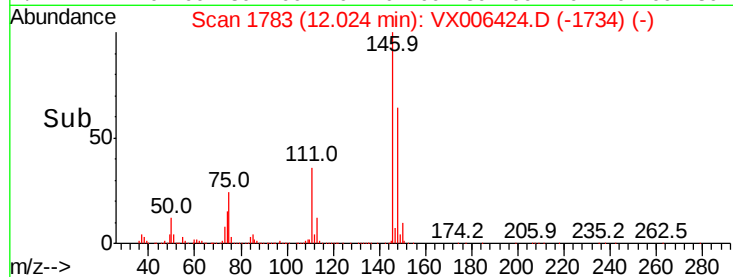
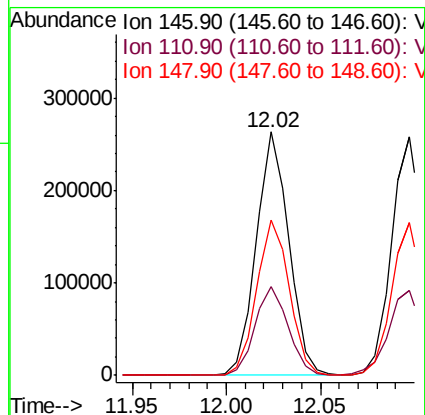
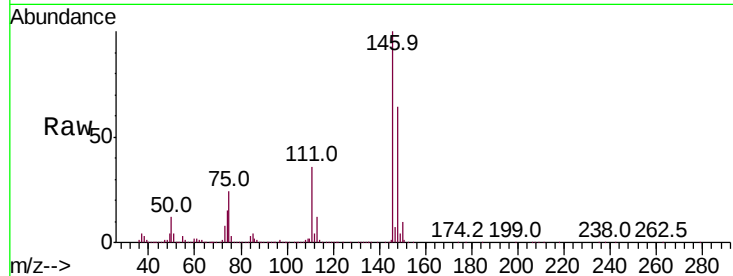
Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	146	Resp:	314601
Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.2
148	64.5	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 20.173 ug/l

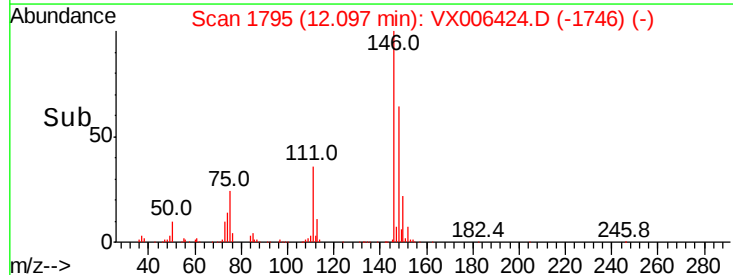
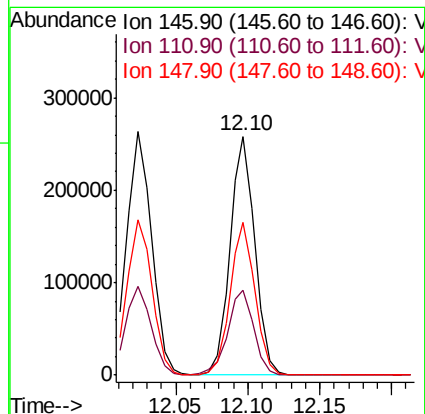
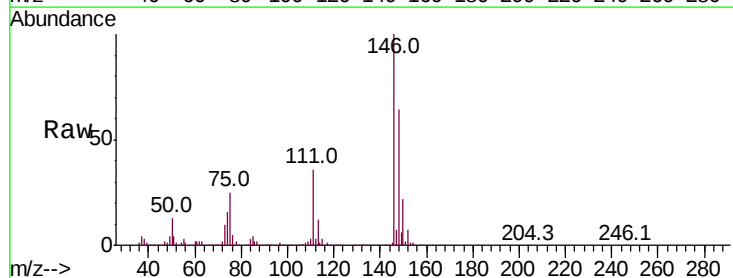
RT: 12.10 min Scan# 1795

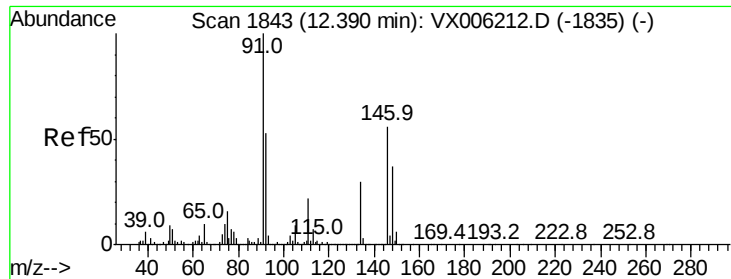
Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Tgt Ion:	146	Resp:	312588
Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.3	54.8
148	64.1	31.9	95.9

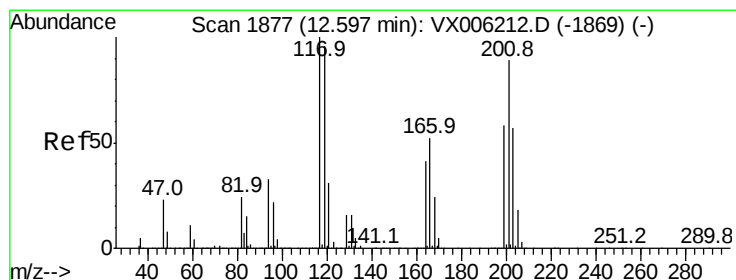
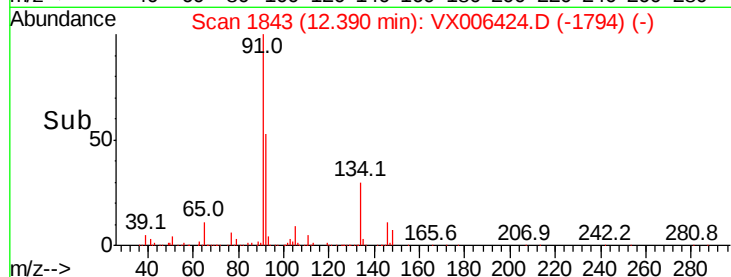
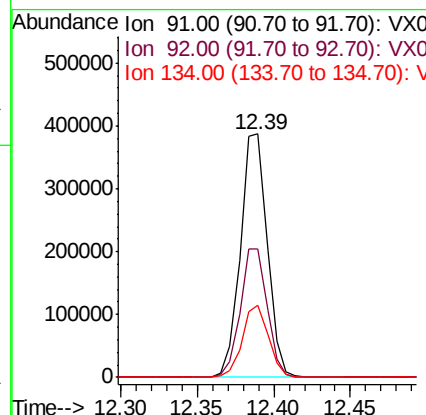
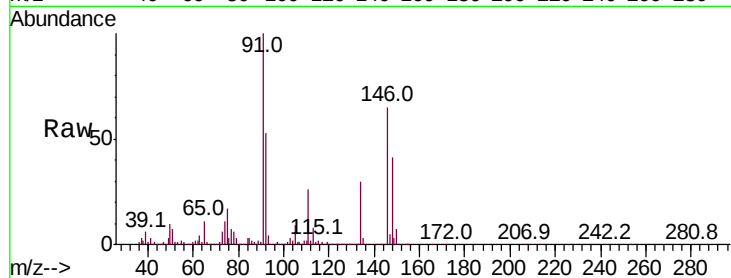




#89
n-Butylbenzene
Concen: 19.627 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

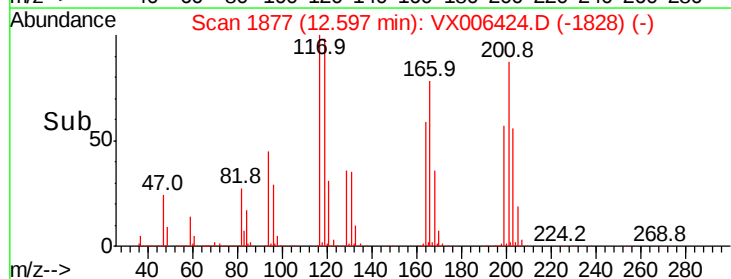
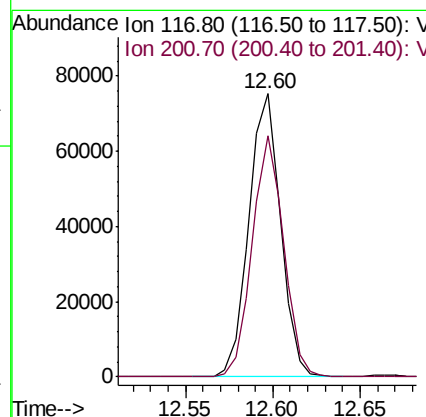
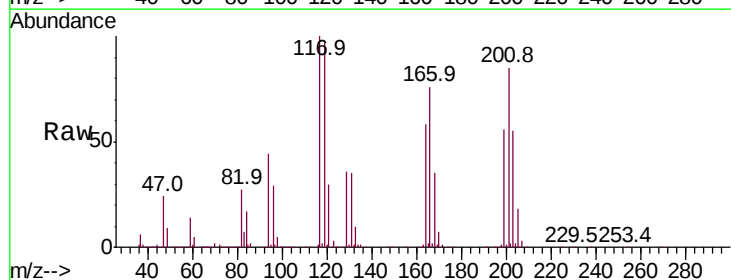
Instrument :
MSVOA_X
ClientSampleId :

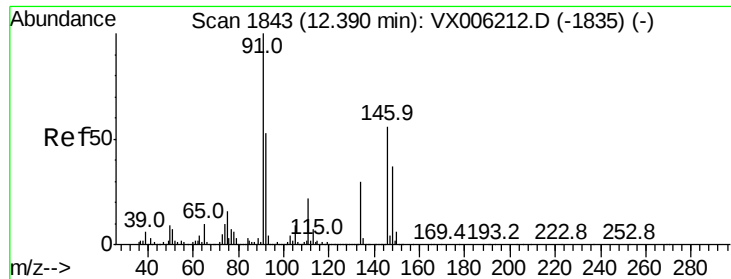
Tot Ion: 91 Resp: 470836
Ion Ratio Lower Upper
91 100
92 53.0 26.6 79.8
134 29.1 14.8 44.3



#90
Hexachloroethane
Concen: 16.594 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006424.D
Acq: 11 Dec 2018 16:51

Tgt Ion: 117 Resp: 95089
Ion Ratio Lower Upper
117 100
201 84.2 44.7 134.1





#91

1,2-Dichlorobenzene

Concen: 20.851 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

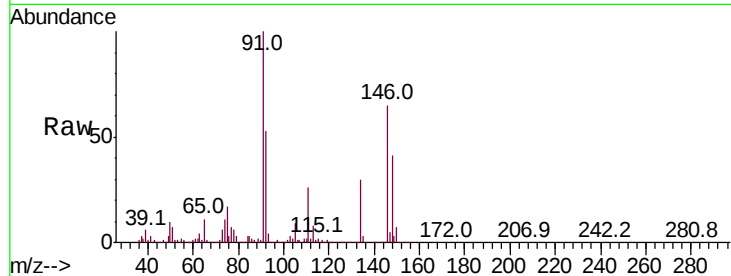
Tot Ion:146 Resp: 315919

Ion Ratio Lower Upper

146 100

111 39.0 19.1 57.3

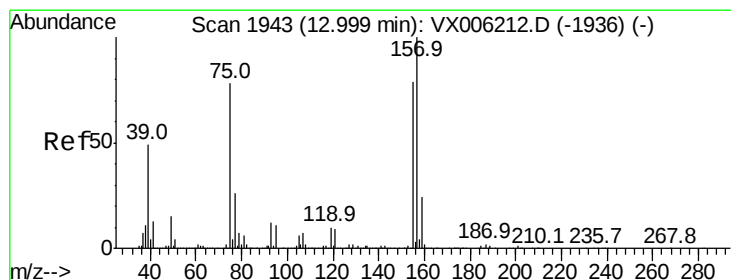
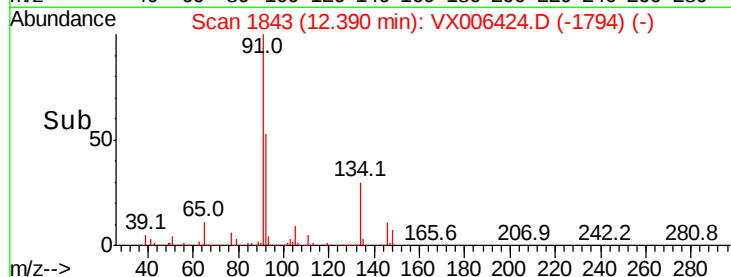
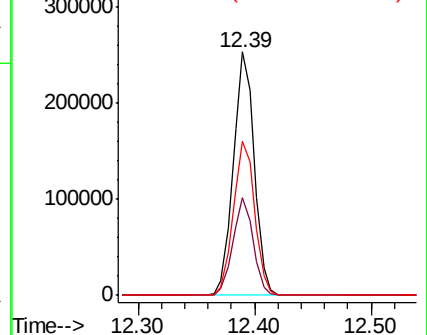
148 64.8 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.855 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

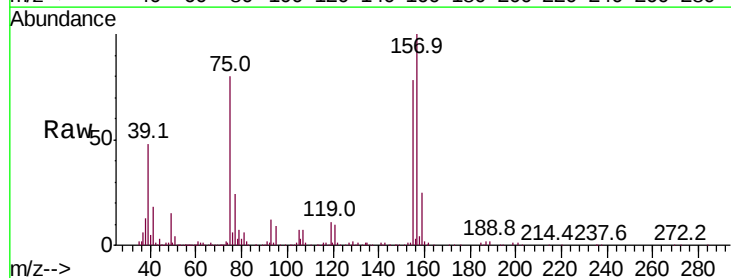
Tgt Ion: 75 Resp: 45271

Ion Ratio Lower Upper

75 100

155 99.8 53.4 160.3

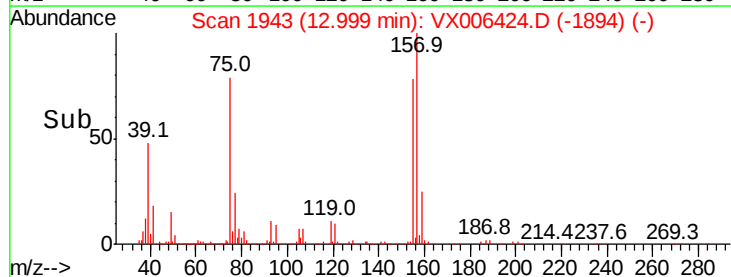
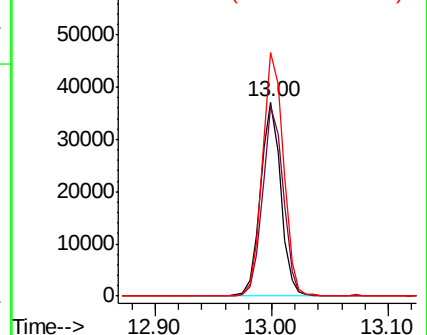
157 131.0 68.0 203.8

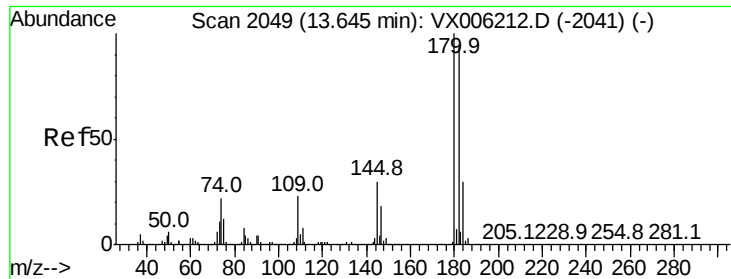


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

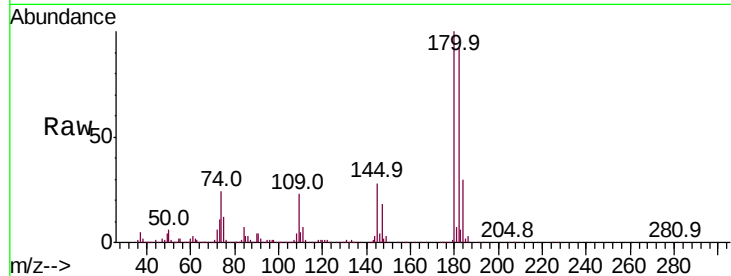




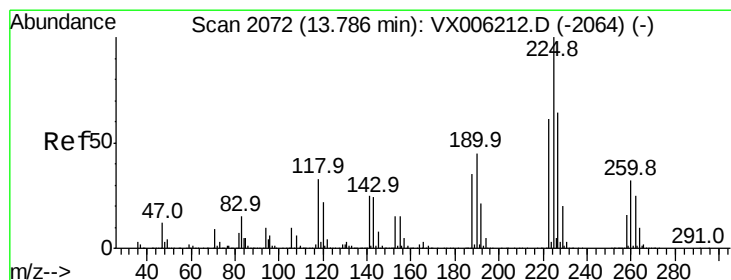
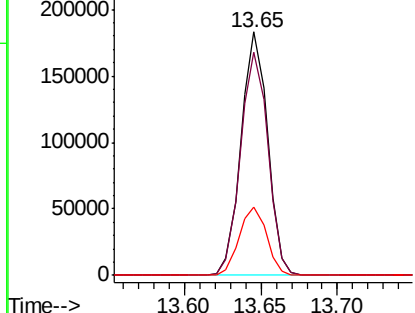
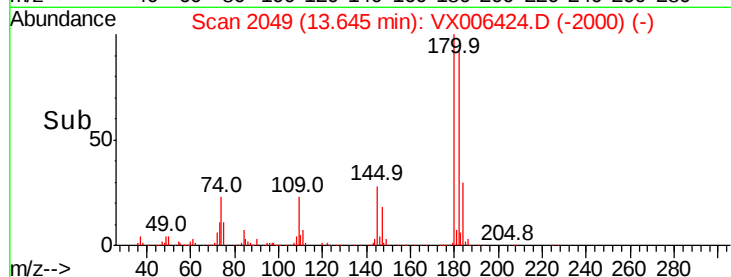
#93
 1,2,4-Trichlorobenzene
 Concen: 20.007 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.9
145	29.0	14.6	43.8

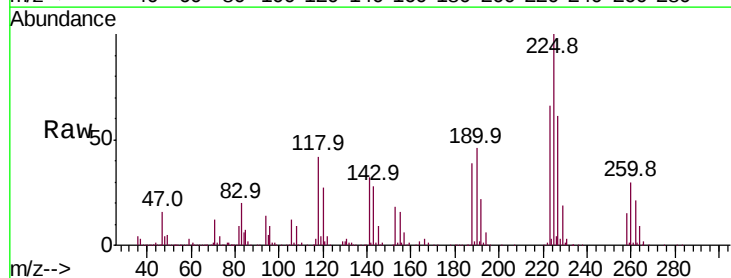


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

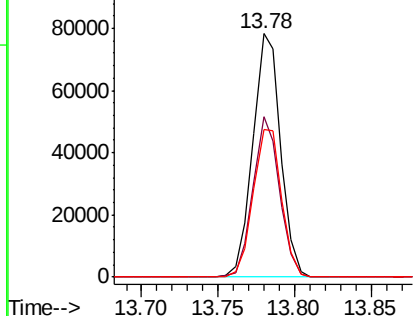
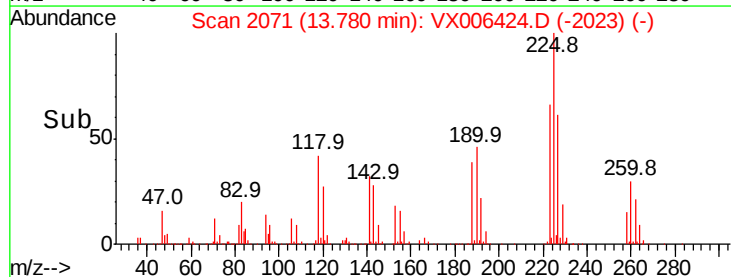


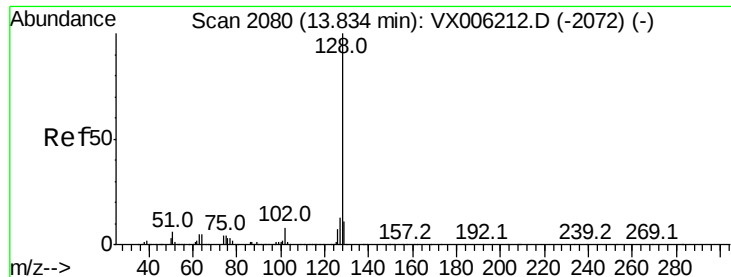
#94
 Hexachlorobutadiene
 Concen: 20.228 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006424.D
 Acq: 11 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.2	93.6
227	62.0	31.9	95.5



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: 20.899 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

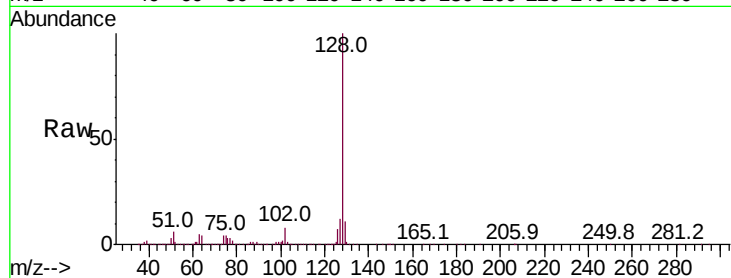
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 718596

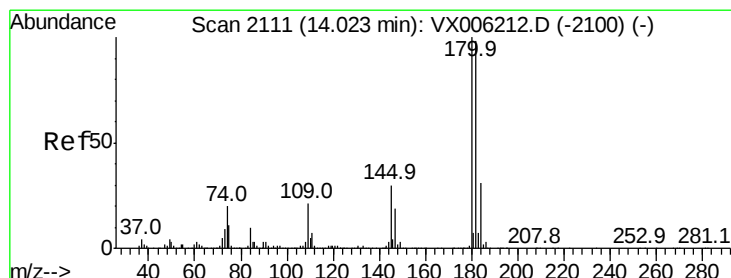
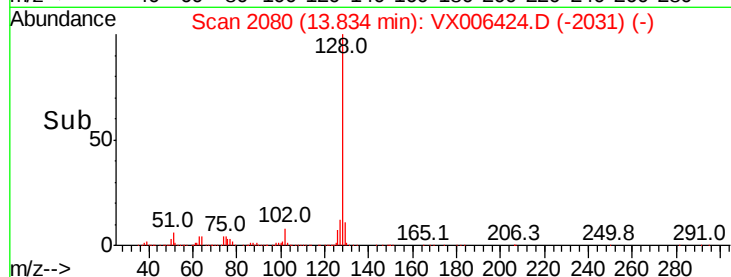
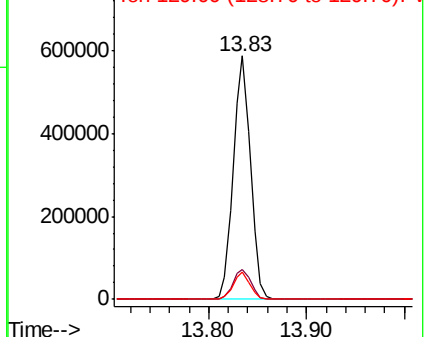
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.0	8.9	13.3



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: 20.181 ug/l

RT: 14.02 min Scan# 2110

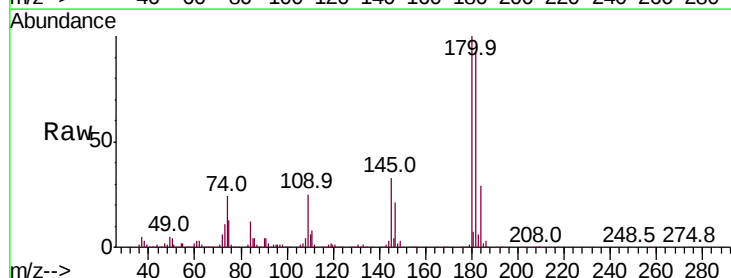
Delta R.T. -0.01 min

Lab File: VX006424.D

Acq: 11 Dec 2018 16:51

Tgt Ion:180 Resp: 220950

Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.4	145.2
145	31.9	15.6	46.8



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

