

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX033020\
 Data File : VX015427.D
 Acq On : 30 Mar 2020 14:57
 Operator : JC/SP
 Sample : L2021-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 31 07:54:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1089198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1786630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1702277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	889516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	740641	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	5.47	113	569534	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	8.70	98	2158529	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.12	95	916760	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds

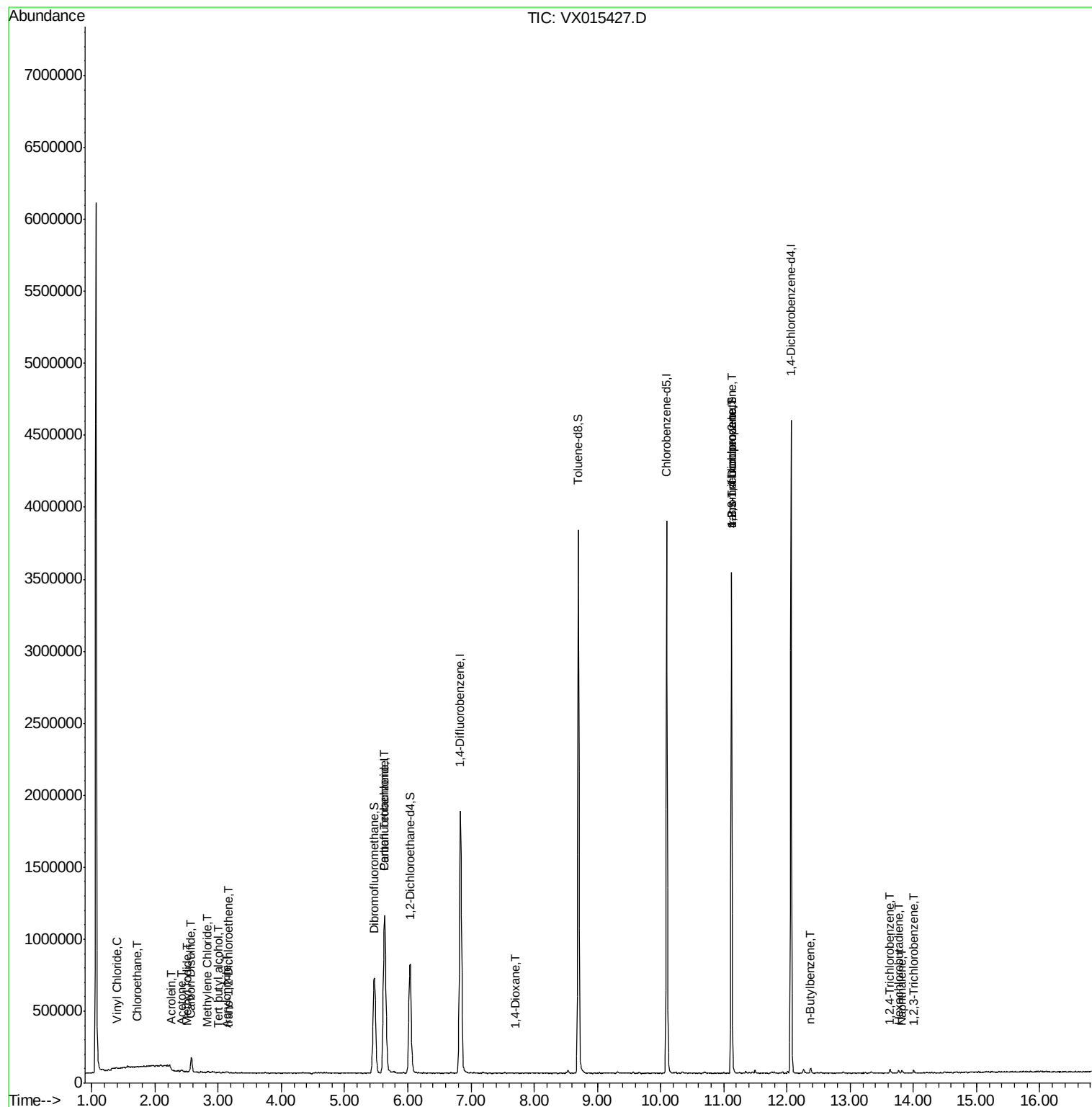
					Qvalue	
4) Vinyl Chloride	1.39	62	2513	0.224	ug/l #	42
5) Bromomethane	1.64	94	1136	Below	Cal	83
6) Chloroethane	1.71	64	1397	0.201	ug/l #	43
10) Methyl Iodide	2.50	142	3672	0.278	ug/l #	58
11) Tert butyl alcohol	3.01	59	2665	0.725	ug/l	96
13) Acrolein	2.26	56	1219	0.582	ug/l	97
15) Acrylonitrile	3.12	53	2240	0.319	ug/l #	86
16) Acetone	2.42	43	15444	2.340	ug/l	98
17) Carbon Disulfide	2.56	76	16610	0.529	ug/l #	94
20) Methylene Chloride	2.84	84	4731	0.384	ug/l #	88
21) trans-1,2-Dichloroethene	3.15	96	2515	0.220	ug/l #	33
38) Carbon Tetrachloride	5.63	117	105365	5.909	ug/l #	14
49) 1,4-Dioxane	7.70	88	829	2.459	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	471768	25.791	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	471768	61.884	ug/l #	10
89) n-Butylbenzene	12.37	91	11054	0.234	ug/l	94
93) 1,2,4-Trichlorobenzene	13.63	180	7823	0.363	ug/l	91
94) Hexachlorobutadiene	13.76	225	4522	0.441	ug/l	91
95) Naphthalene	13.82	128	14530	0.221	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.01	180	5198	0.251	ug/l	91

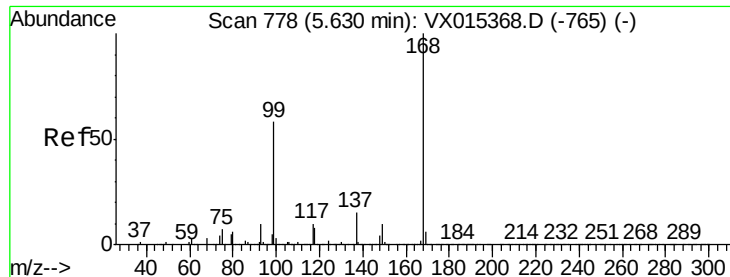
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 31 07:54:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration

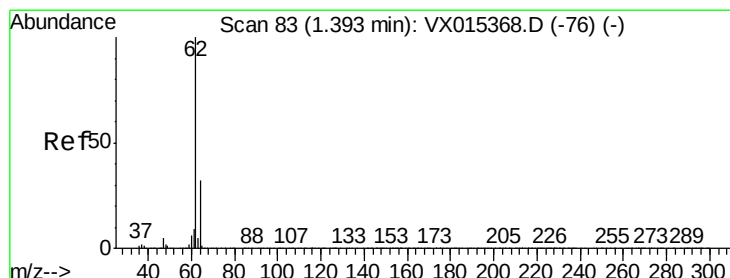
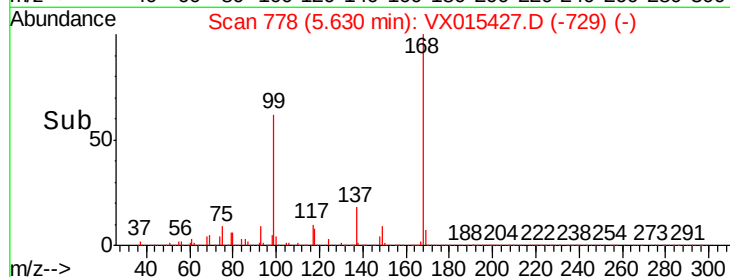
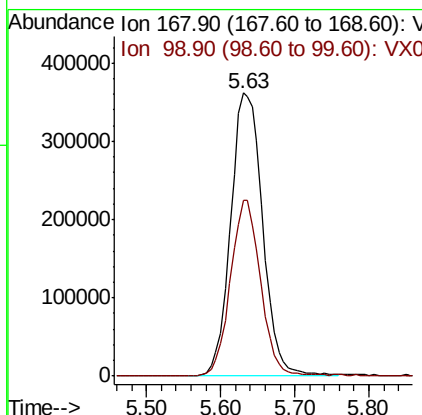
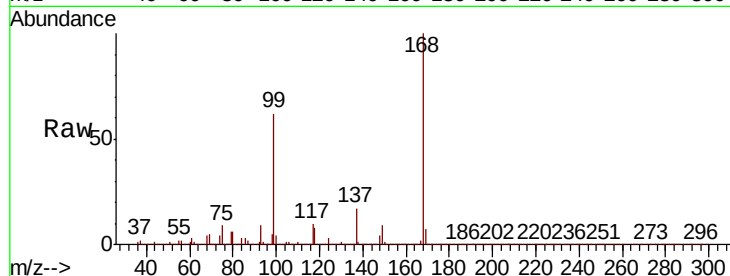




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.00 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

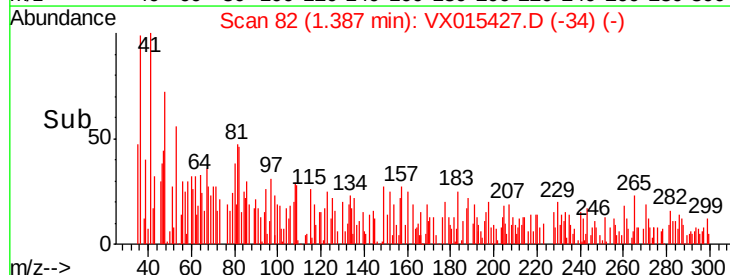
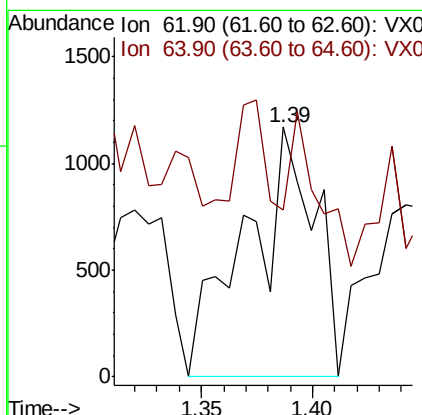
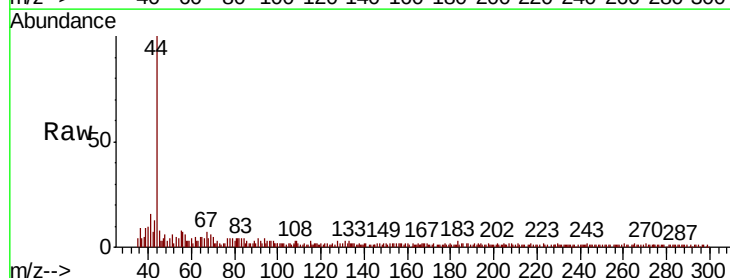
Instrument :
MSVOA_X
ClientSampleId :

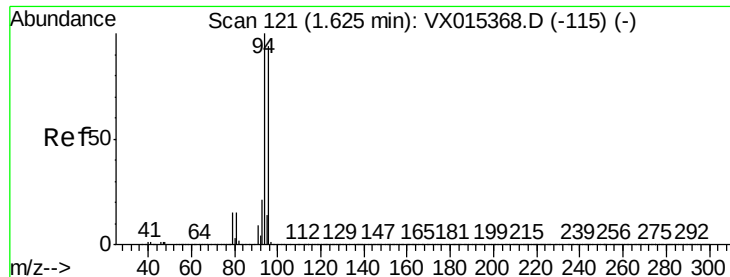
Tot Ion:168 Resp: 1089198
Ion Ratio Lower Upper
168 100
99 62.0 46.4 69.6



#4
Vinyl Chloride
Concen: 0.224 ug/l
RT: 1.39 min Scan# 82
Delta R.T. -0.01 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

Tgt Ion: 62 Resp: 2513
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015427.D

Acq: 30 Mar 2020 14:57

Instrument :

MSVOA_X

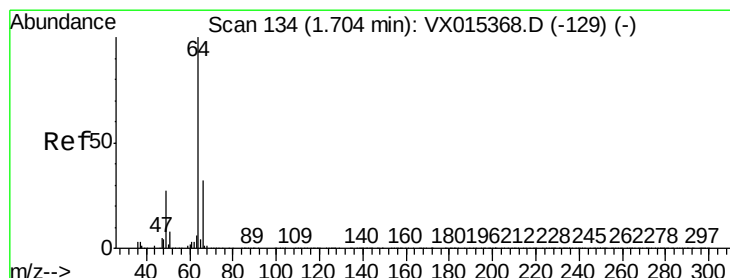
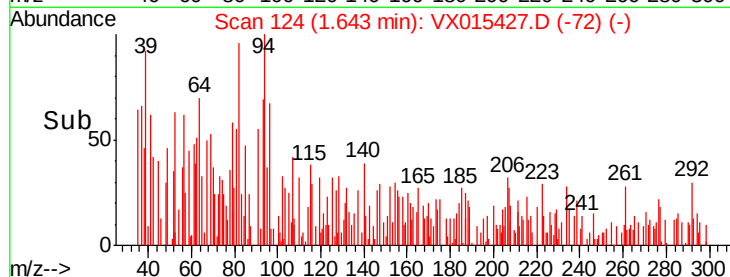
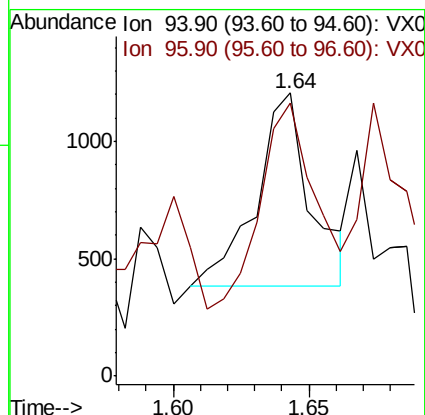
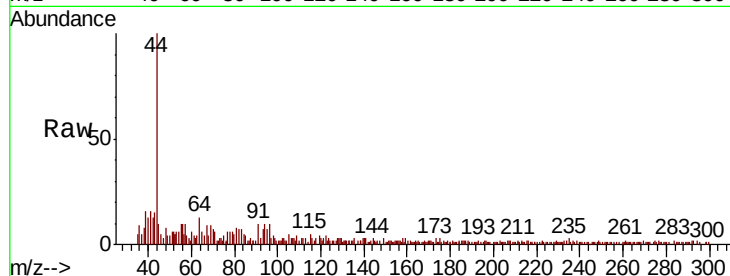
ClientSampleId :

Tot Ion: 94 Resp: 1136

Ion Ratio Lower Upper

94 100

96 76.9 74.8 112.2



#6

Chloroethane

Concen: 0.201 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX015427.D

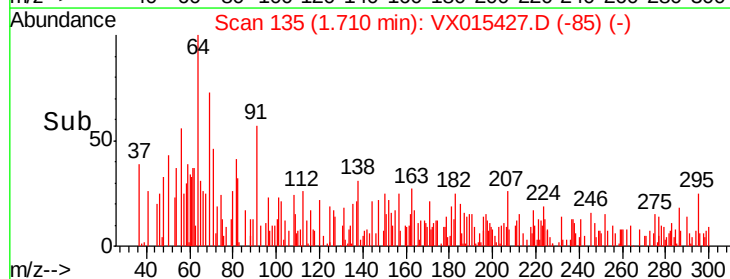
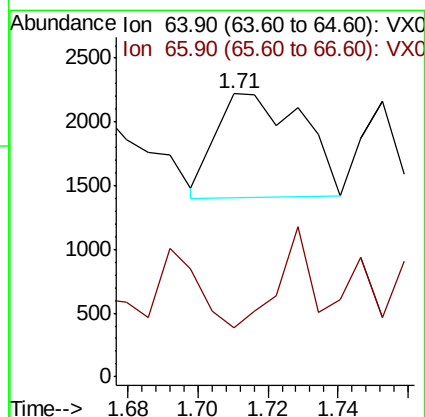
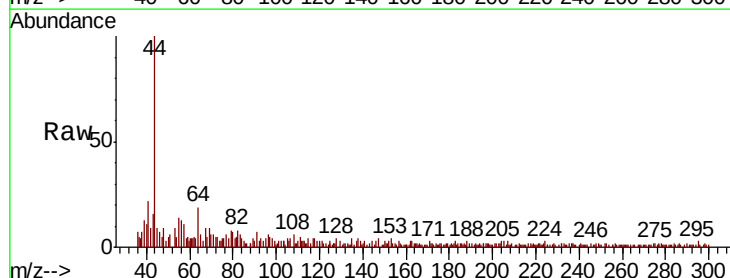
Acq: 30 Mar 2020 14:57

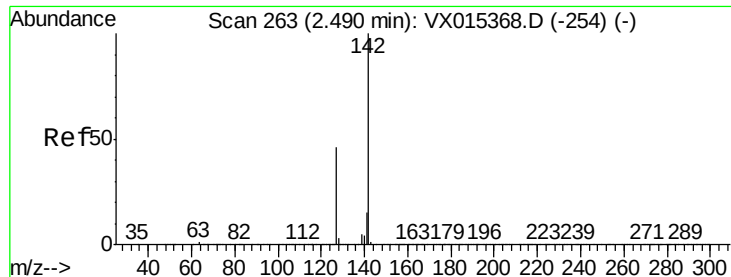
Tgt Ion: 64 Resp: 1397

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

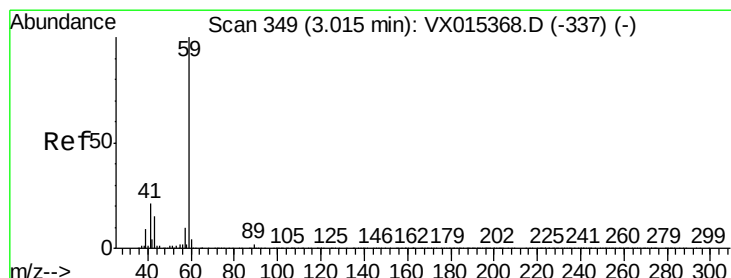
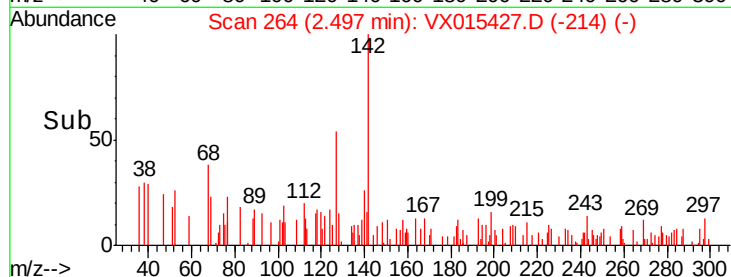
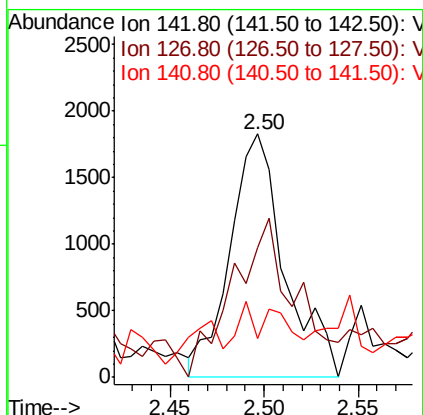
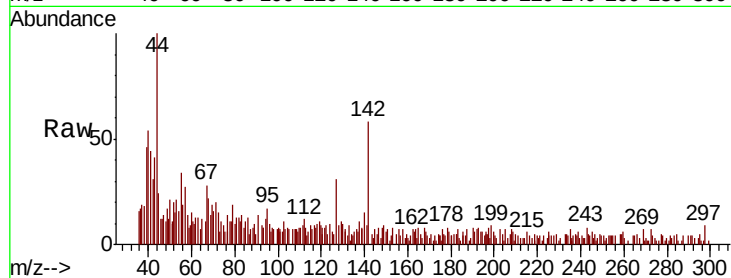




#10
Methvl Iodide
Concen: 0.278 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

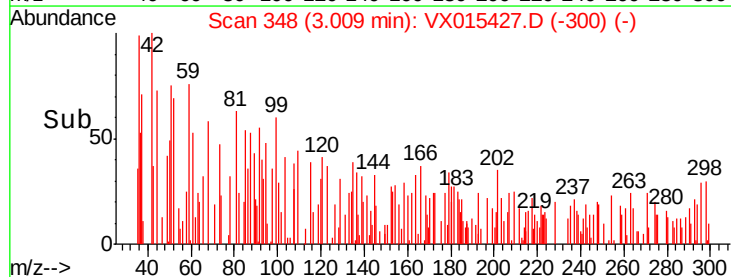
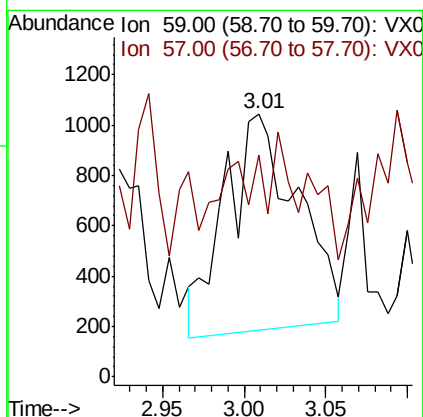
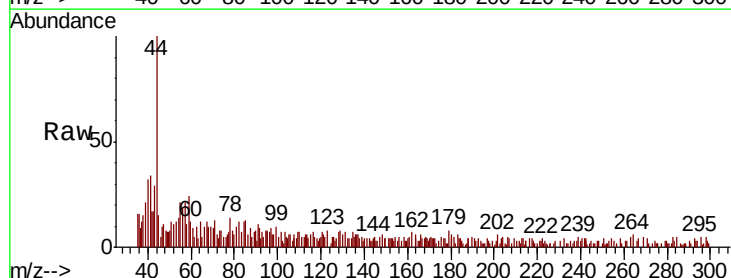
Instrument :
MSVOA_X
ClientSampleId :

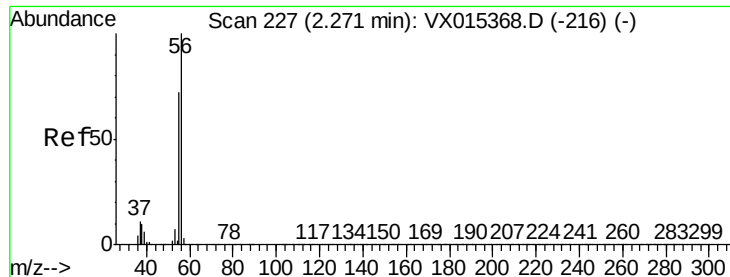
Tot Ion:142 Resp: 3672
Ion Ratio Lower Upper
142 100
127 76.1 35.9 53.9#
141 5.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.725 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

Tgt Ion: 59 Resp: 2665
Ion Ratio Lower Upper
59 100
57 11.6 8.1 12.1

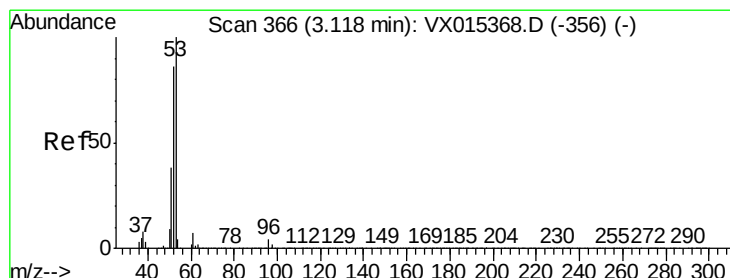
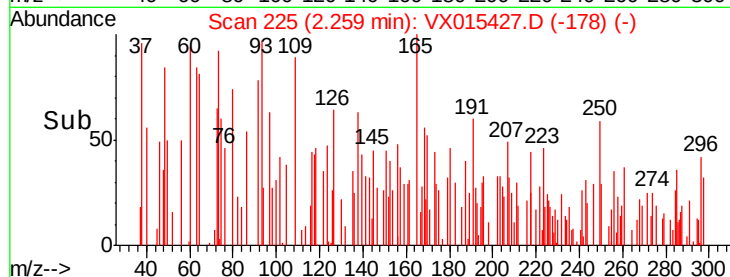
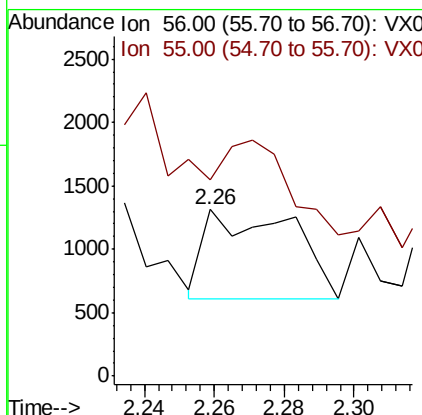
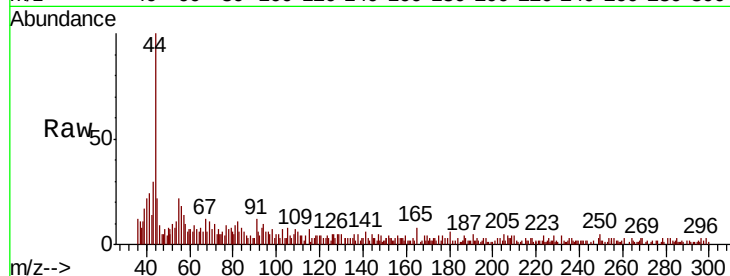




#13
Acrolein
Concen: 0.582 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.01 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

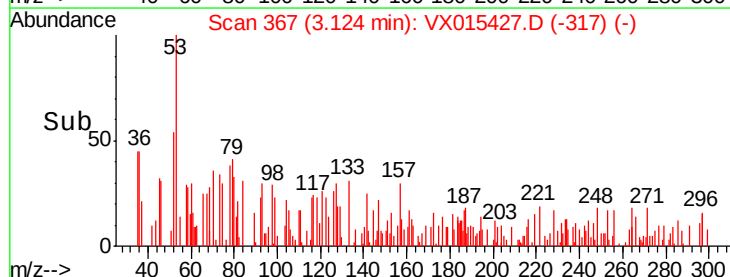
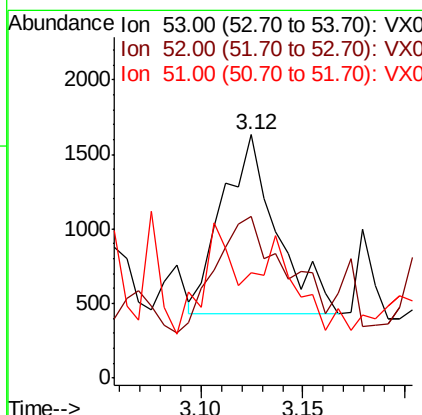
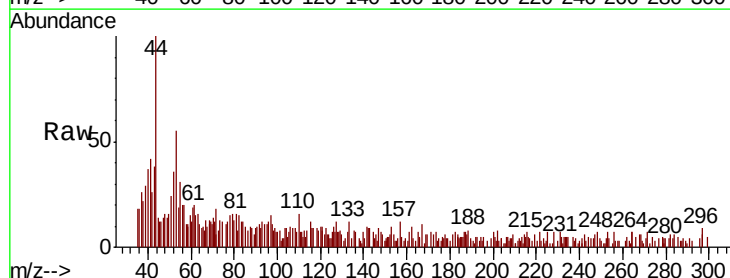
Instrument :
MSVOA_X
ClientSampled :

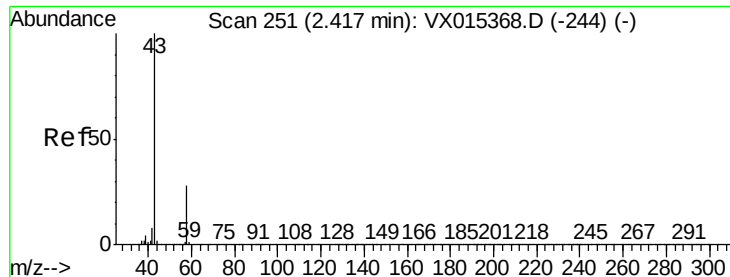
Tot Ion: 56 Resp: 1219
Ion Ratio Lower Upper
56 100
55 69.1 57.0 85.4



#15
Acrylonitrile
Concen: 0.319 ug/l
RT: 3.12 min Scan# 367
Delta R.T. 0.01 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

Tgt Ion: 53 Resp: 2240
Ion Ratio Lower Upper
53 100
52 94.9 66.8 100.2
51 26.6 29.5 44.3#

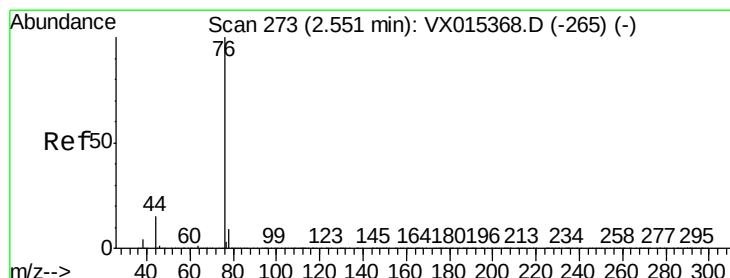
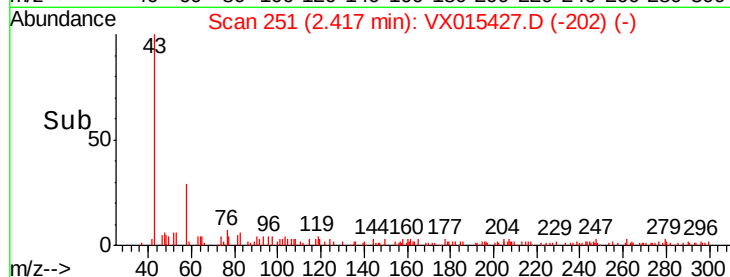
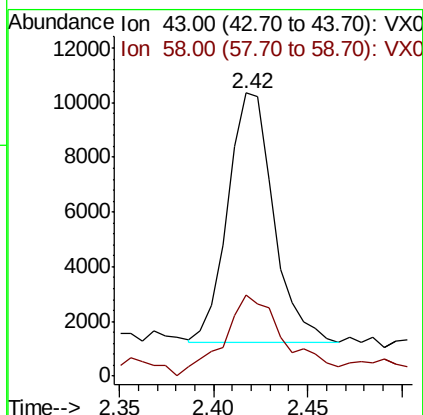
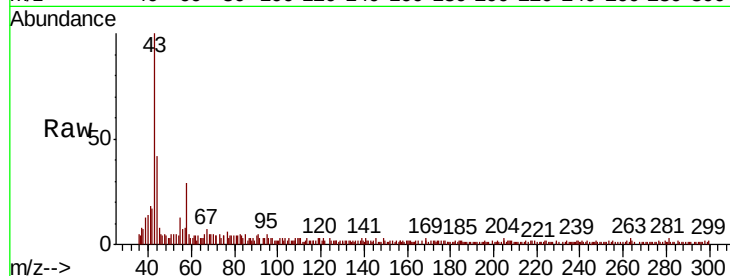




#16
Acetone
Concen: 2.340 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

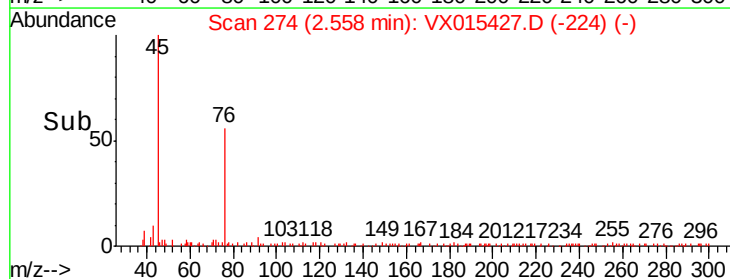
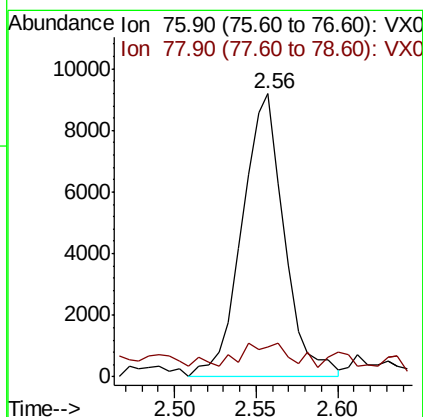
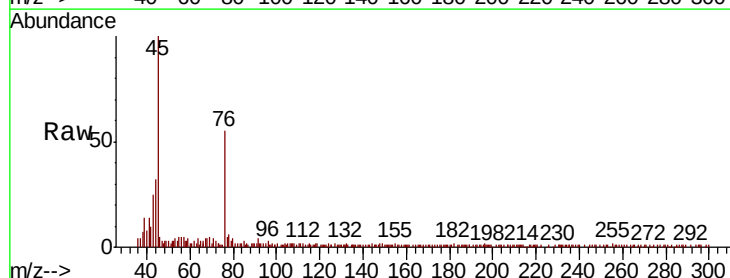
Instrument :
MSVOA_X
ClientSampleId :

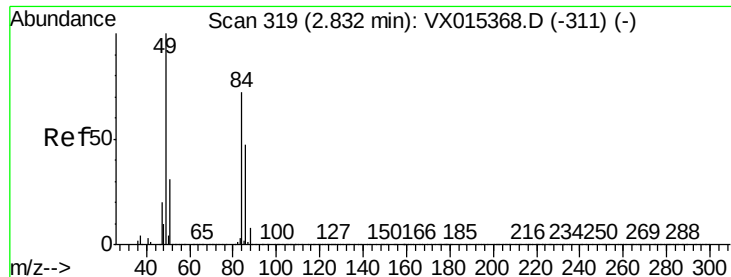
Tot Ion: 43 Resp: 15444
Ion Ratio Lower Upper
43 100
58 28.9 22.1 33.1



#17
Carbon Disulfide
Concen: 0.529 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

Tgt Ion: 76 Resp: 16610
Ion Ratio Lower Upper
76 100
78 6.6 7.1 10.7#

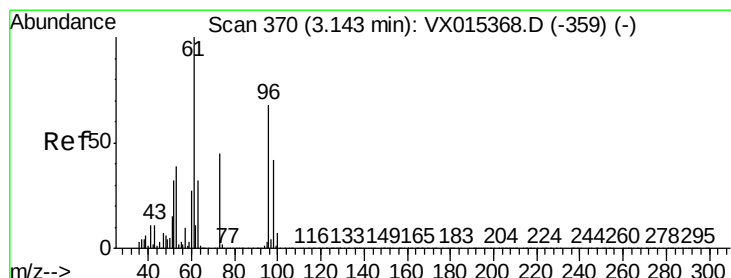
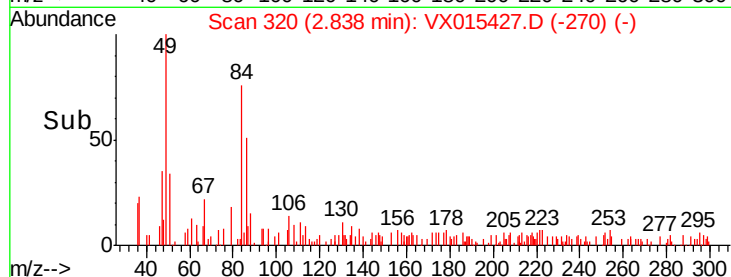
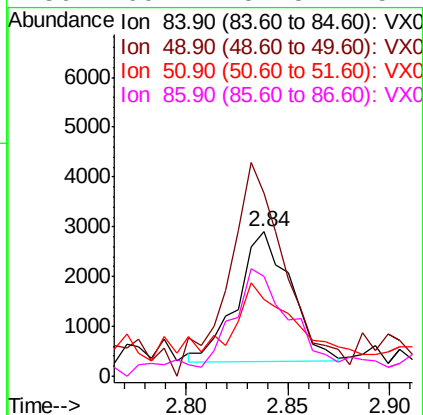
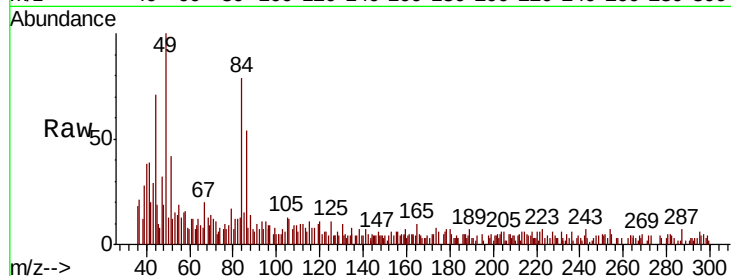




#20
Methylene Chloride
Concen: 0.384 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

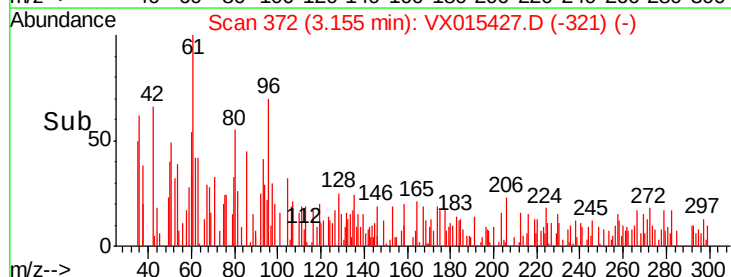
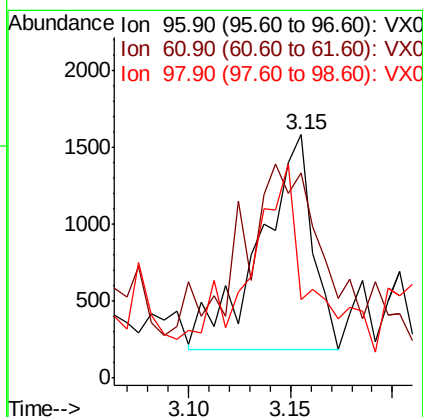
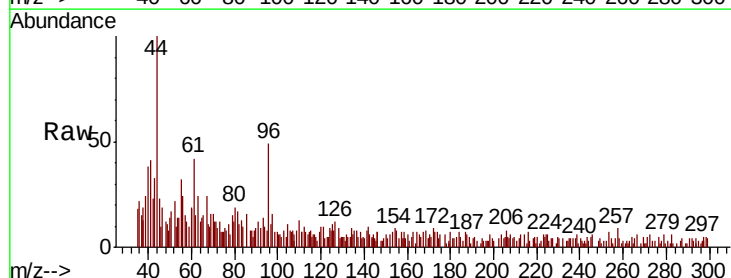
Instrument :
MSVOA_X
ClientSampled :

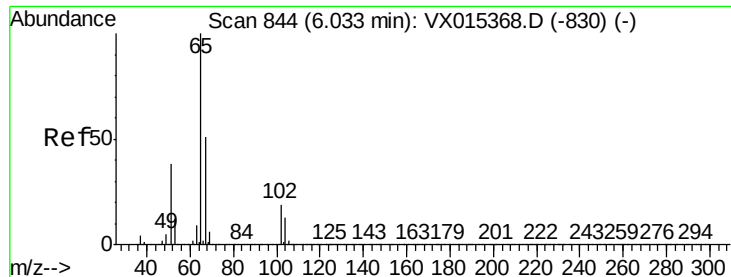
Tot Ion:	84	Resp:	4731
Ion	Ratio	Lower	Upper
84	100		
49	124.4	111.3	166.9
51	29.1	34.0	51.0#
86	69.2	52.5	78.7



#21
trans-1,2-Dichloroethene
Concen: 0.220 ug/l
RT: 3.15 min Scan# 372
Delta R.T. 0.01 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

Tgt Ion:	96	Resp:	2515
Ion	Ratio	Lower	Upper
96	100		
61	58.4	116.9	175.3#
98	14.5	48.6	73.0#

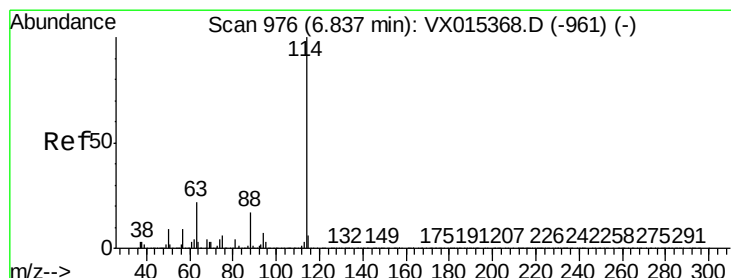
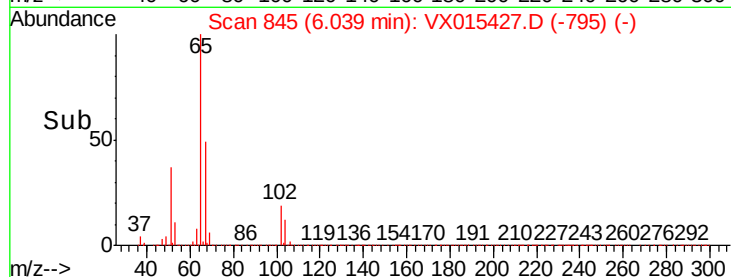
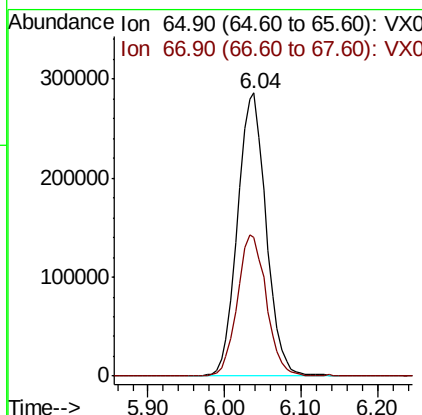
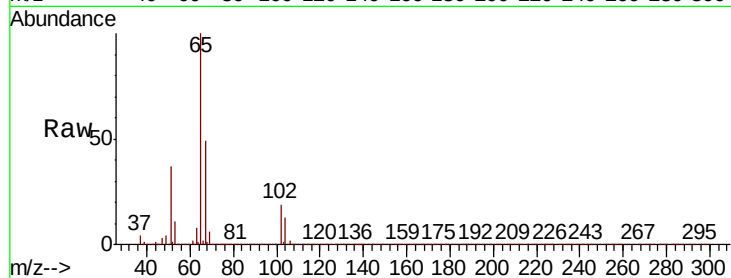




#33
 1,2-Dichloroethane-d4
 Concen: 48.213 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015427.D
 Acq: 30 Mar 2020 14:57

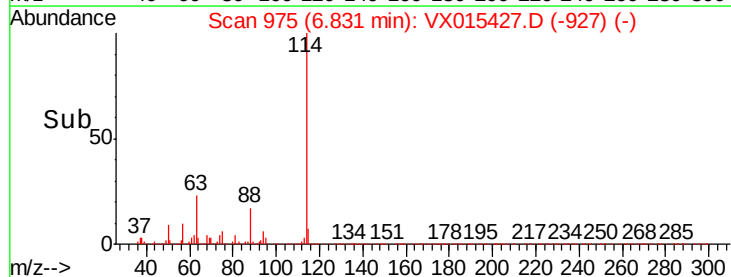
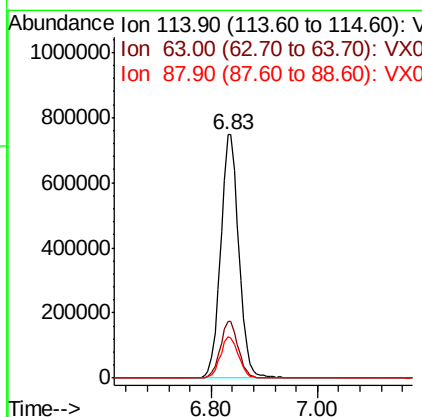
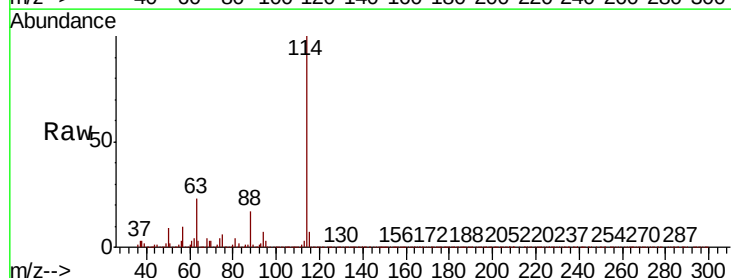
Instrument :
 MSVOA_X
 ClientSampleId :

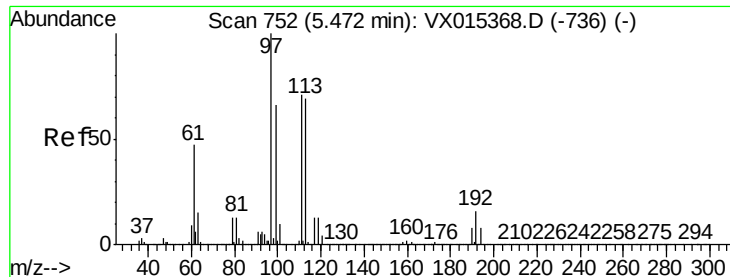
Tot Ion: 65 Resp: 740641
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015427.D
 Acq: 30 Mar 2020 14:57

Tgt Ion: 114 Resp: 1786630
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 44.2
 88 17.2 0.0 33.8

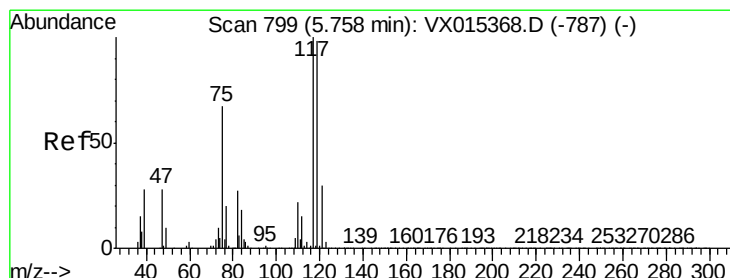
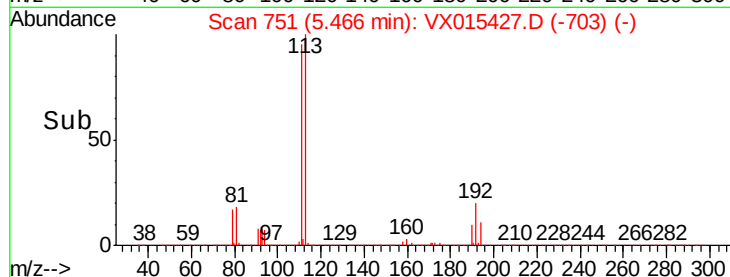
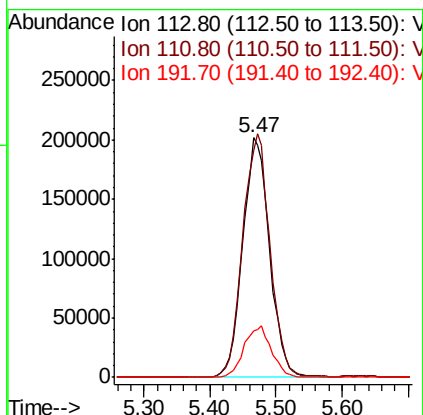
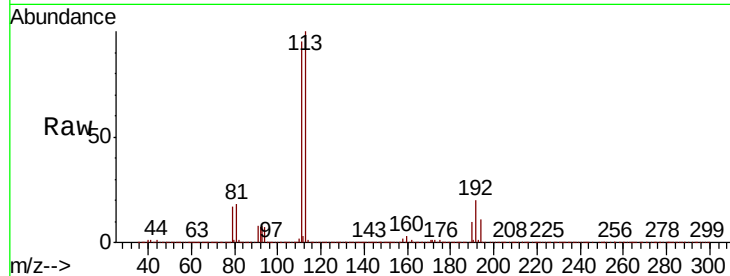




#35
Dibromofluoromethane
Concen: 49.869 ug/l
RT: 5.47 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

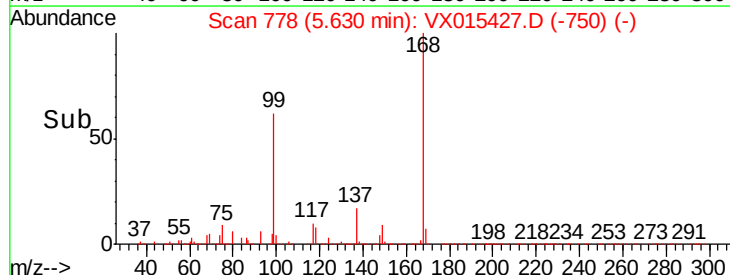
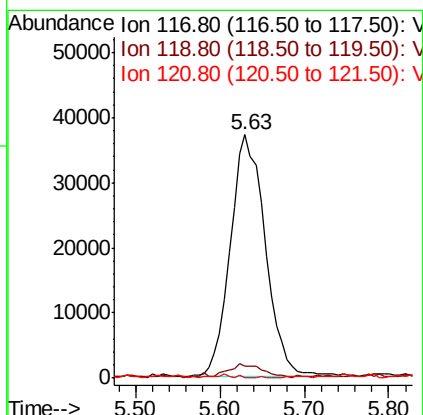
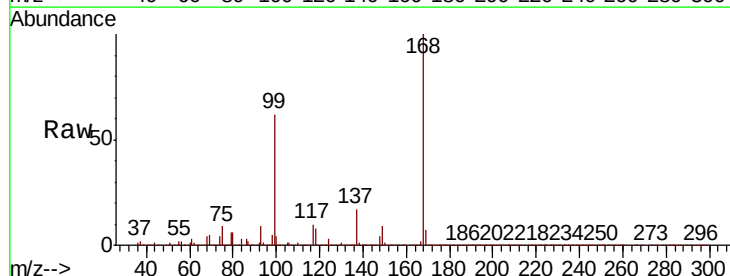
Instrument :
MSVOA_X
ClientSampleId :

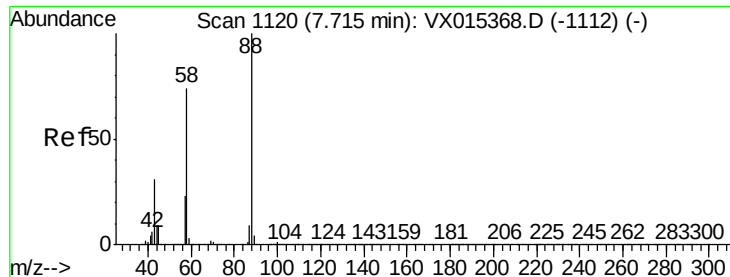
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.5	122.3
192	21.7	17.8	26.6



#38
Carbon Tetrachloride
Concen: 5.909 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	78.0	117.0#
121	0.0	23.8	35.8#





#49

1,4-Dioxane

Concen: 2.459 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.01 min

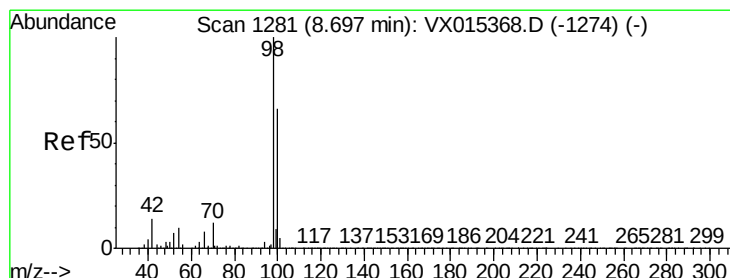
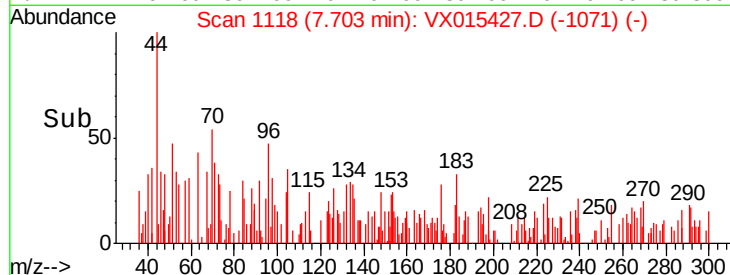
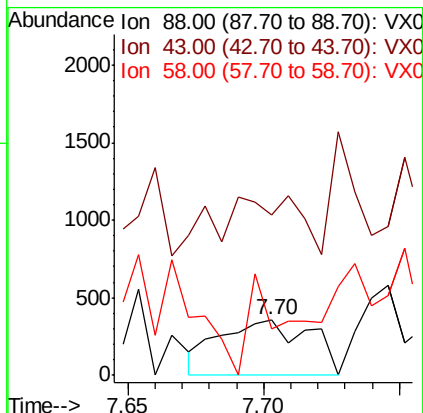
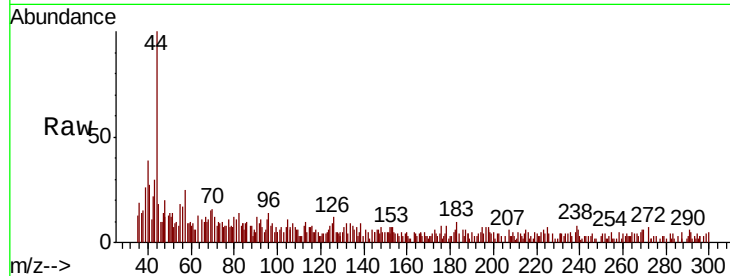
Lab File: VX015427.D

Acq: 30 Mar 2020 14:57

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 829

Ion	Ratio	Lower	Upper
88	100		
43	120.7	30.1	45.1#
58	72.6	60.6	90.8



#50

Toluene-d8

Concen: 51.335 ug/l

RT: 8.70 min Scan# 1281

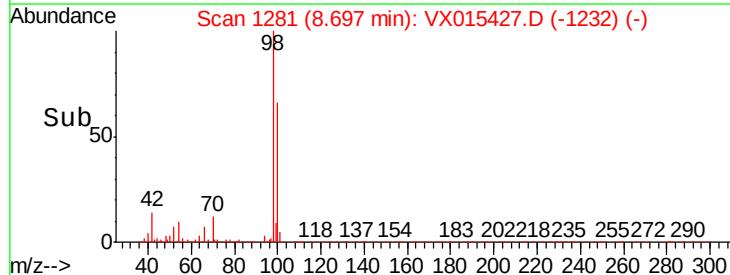
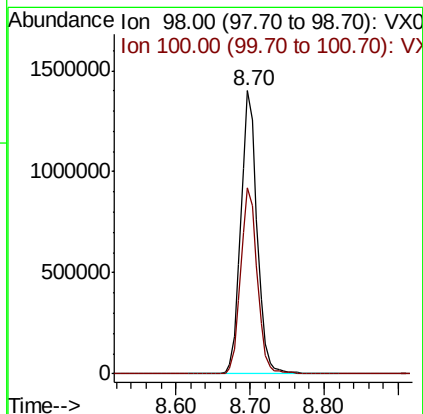
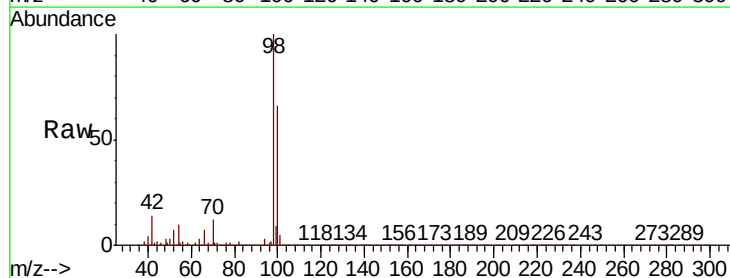
Delta R.T. -0.00 min

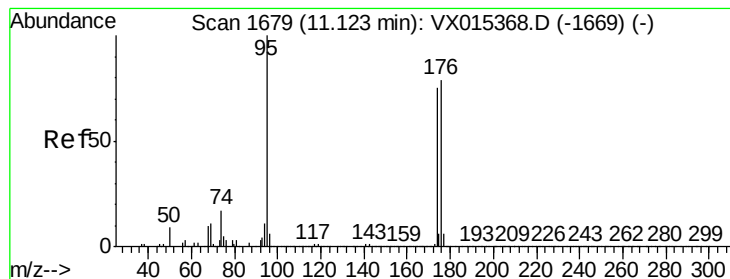
Lab File: VX015427.D

Acq: 30 Mar 2020 14:57

Tgt Ion: 98 Resp: 2158529

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.5	80.3





#62

4-Bromofluorobenzene

Concen: 53.648 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015427.D

Acq: 30 Mar 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

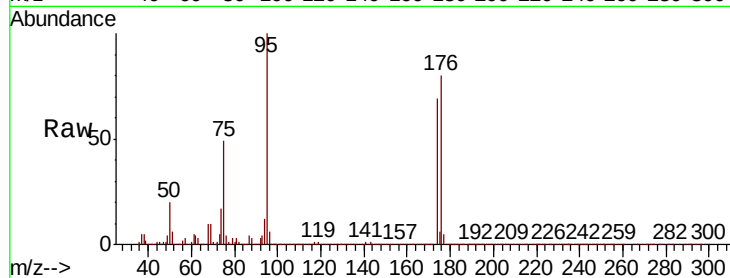
Tot Ion: 95 Resp: 916760

Ion Ratio Lower Upper

95 100

174 77.4 0.0 158.6

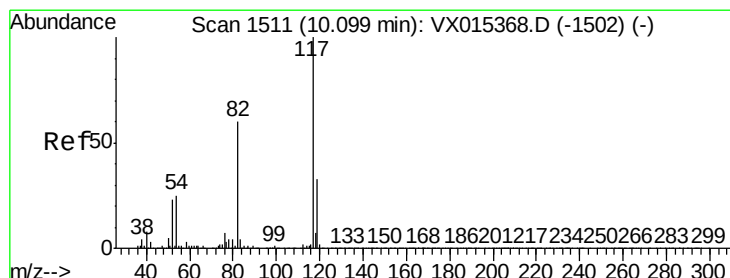
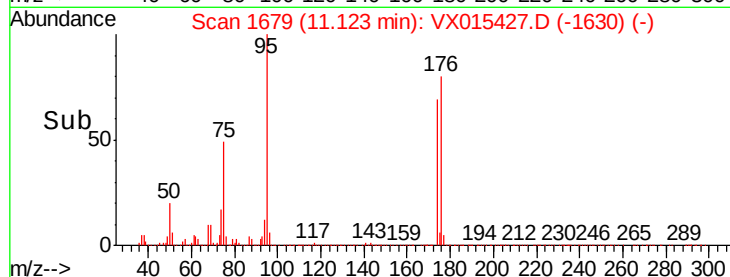
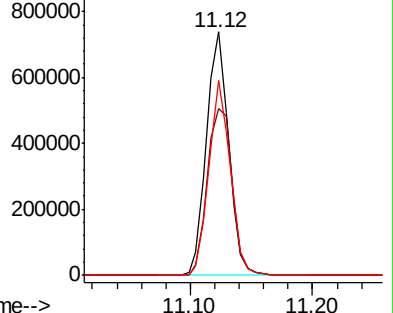
176 77.5 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015427.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015427.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015427.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015427.D

Acq: 30 Mar 2020 14:57

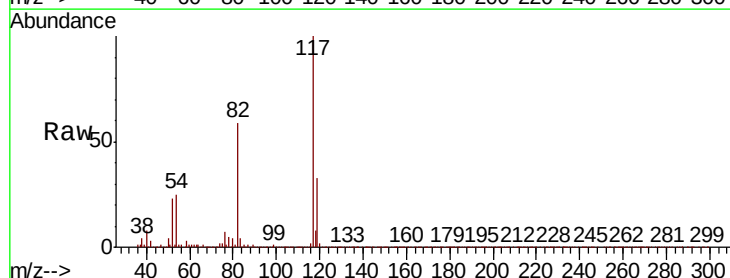
Tgt Ion: 117 Resp: 1702277

Ion Ratio Lower Upper

117 100

82 59.4 47.8 71.8

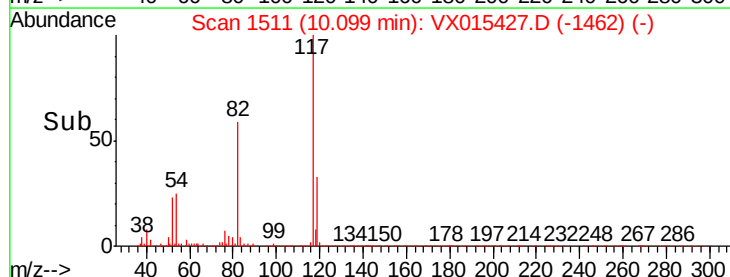
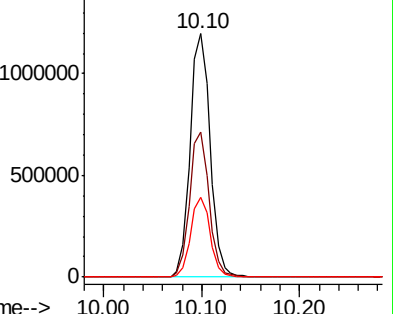
119 33.0 26.8 40.2

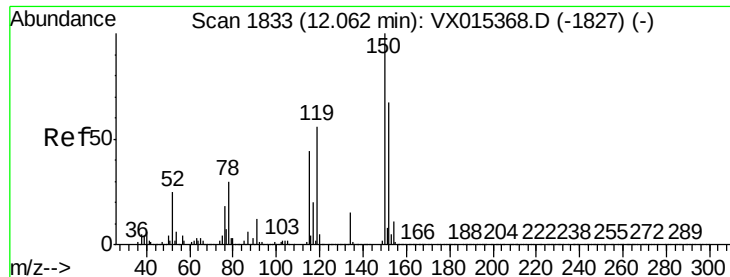


Abundance Ion 116.90 (116.60 to 117.60): VX015427.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015427.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015427.D (-1462) (-)

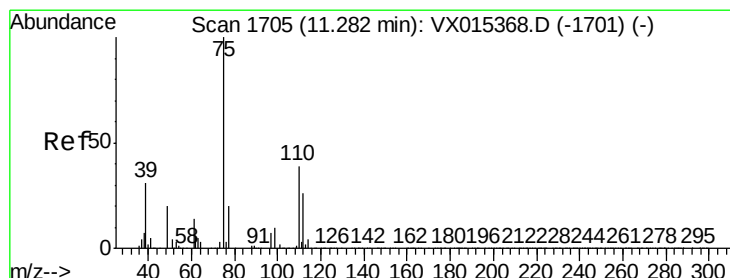
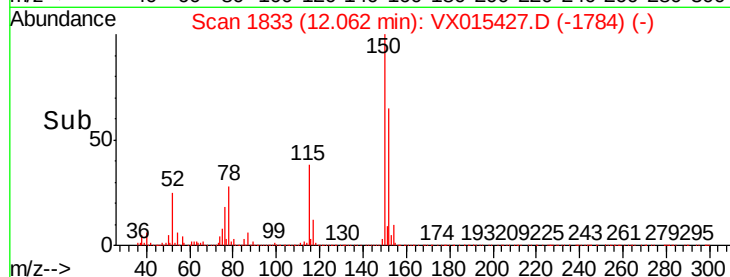
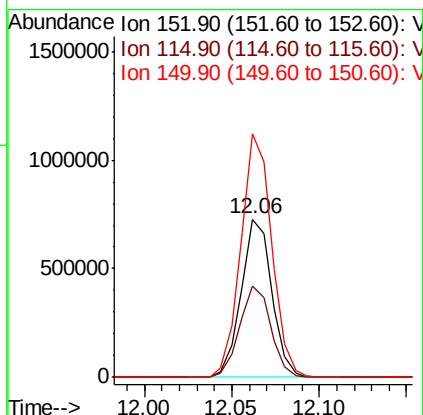
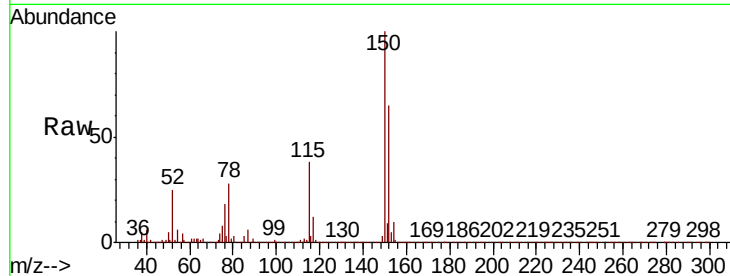




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX015427.D
 Acq: 30 Mar 2020 14:57

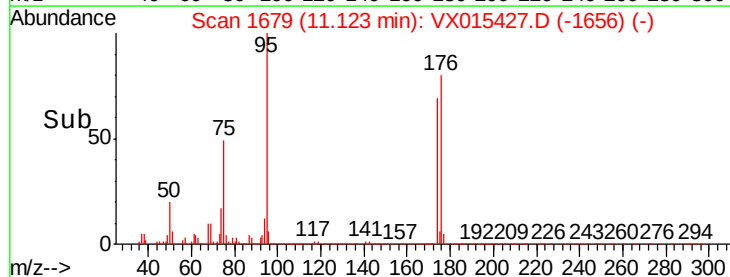
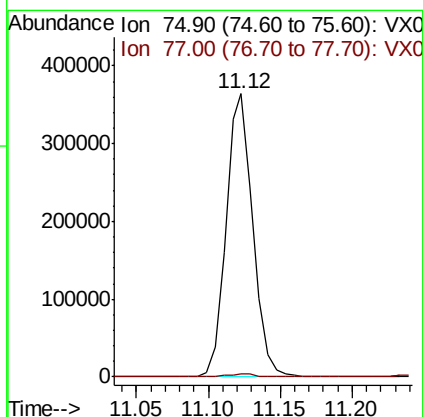
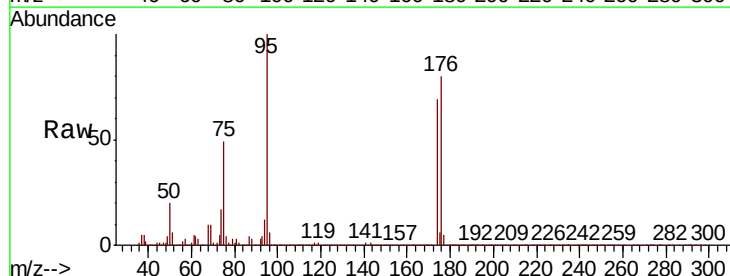
Instrument :
 MSVOA_X
 ClientSampleId :

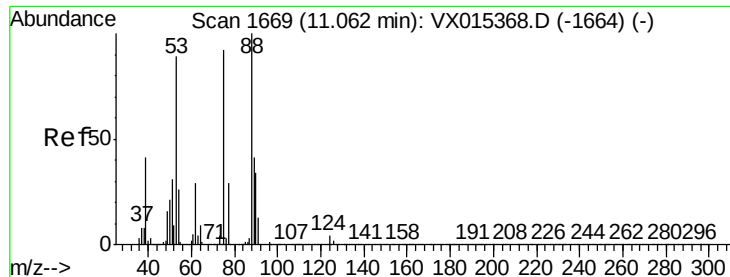
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	39.0	116.9
150	154.9	0.0	340.8



#76
 1,2,3-Trichloropropane
 Concen: 25.791 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015427.D
 Acq: 30 Mar 2020 14:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	21.2	63.6

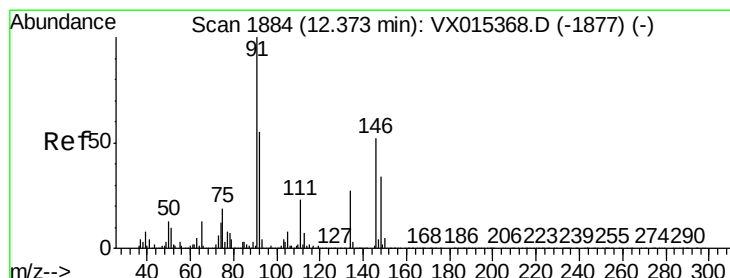
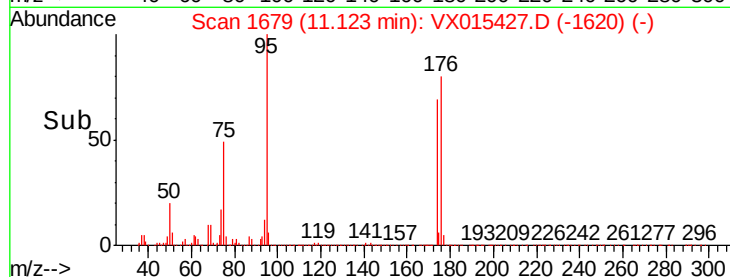
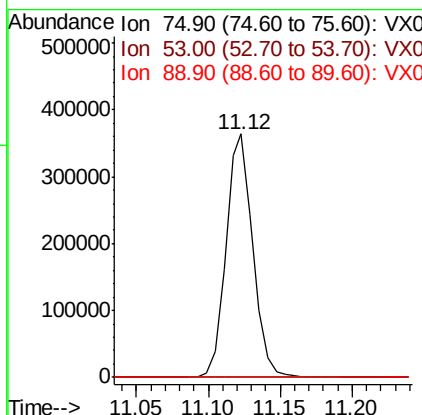
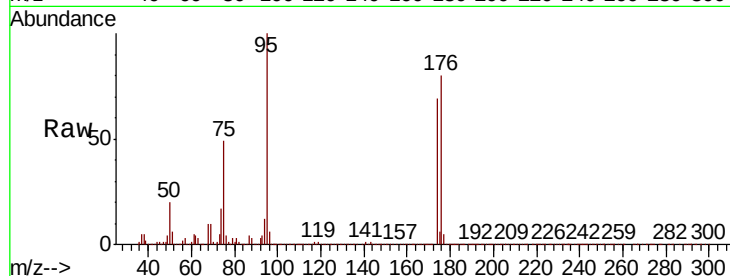




#81
trans-1,4-Dichloro-2-butene
Concen: 61.884 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

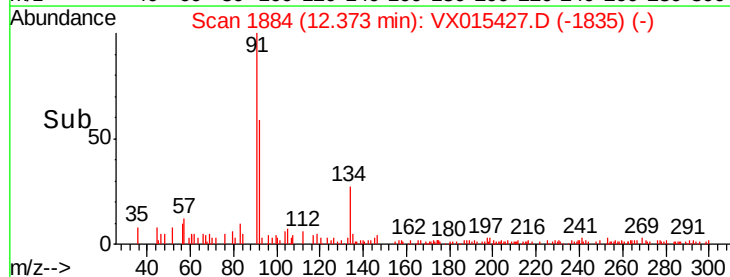
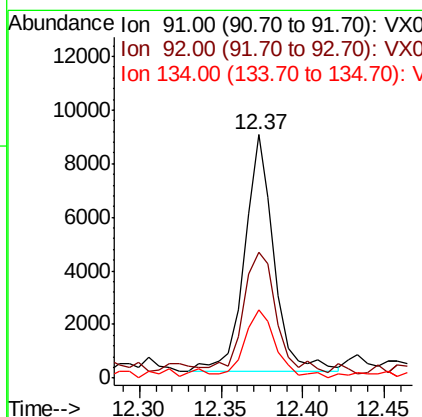
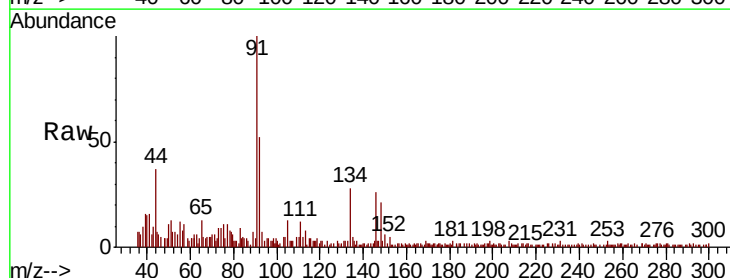
Instrument :
MSVOA_X
ClientSampled :

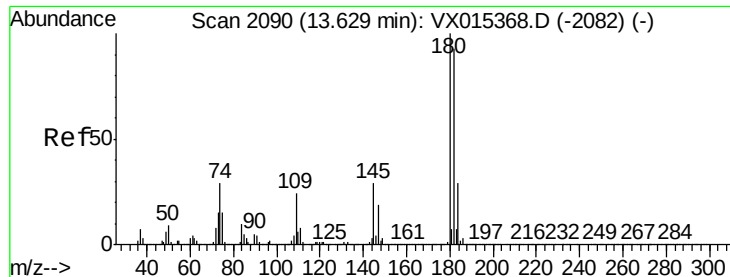
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.1	80.1	120.1#
89	0.0	36.1	54.1#



#89
n-Butylbenzene
Concen: 0.234 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX015427.D
Acq: 30 Mar 2020 14:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	27.2	81.5
134	31.1	13.4	40.2

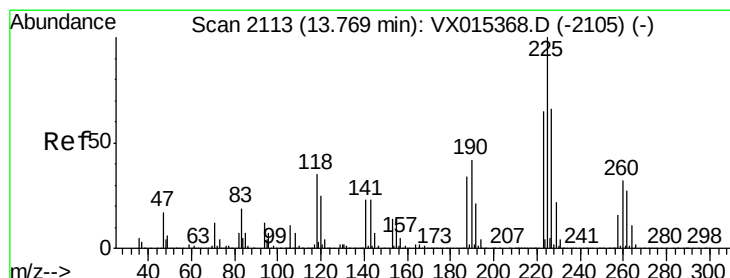
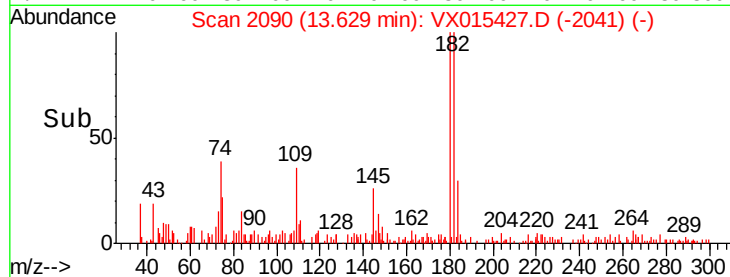
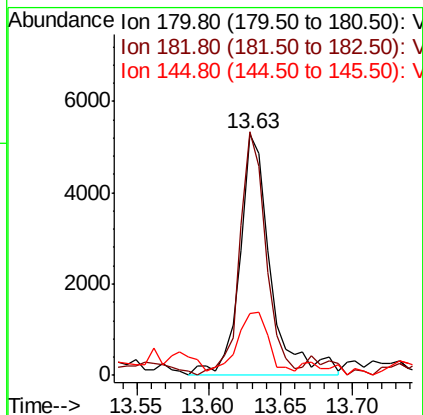
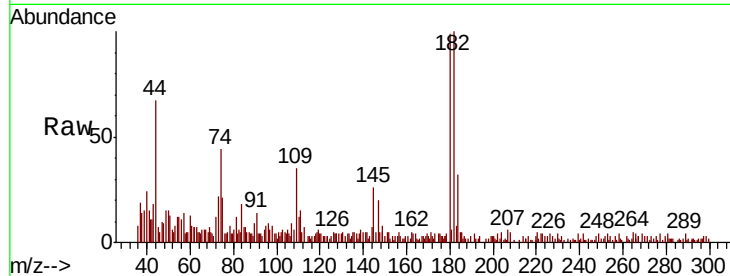




#93
 1,2,4-Trichlorobenzene
 Concen: 0.363 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. -0.00 min
 Lab File: VX015427.D
 Acq: 30 Mar 2020 14:57

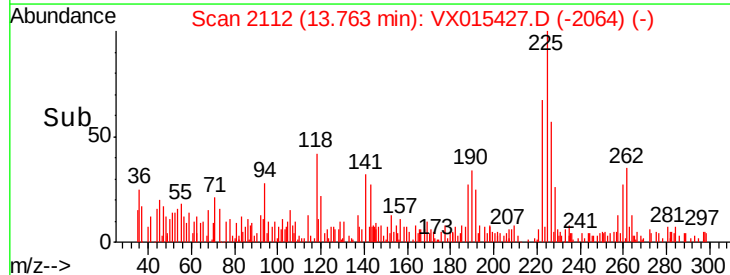
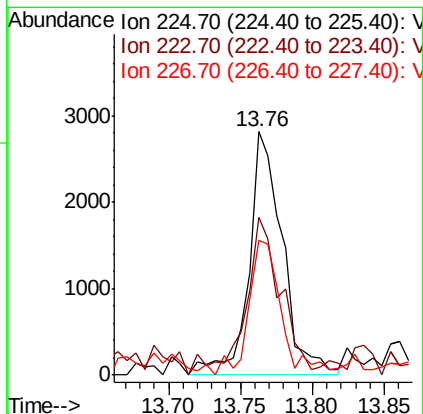
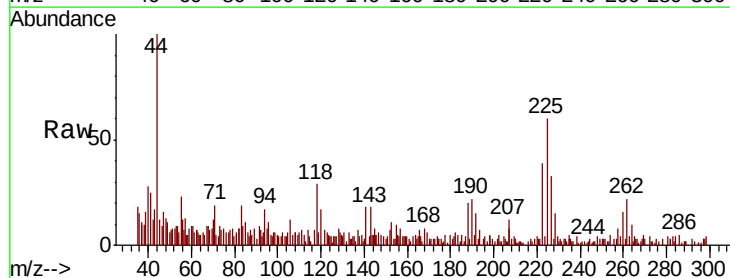
Instrument :
 MSVOA_X
 ClientSampleId :

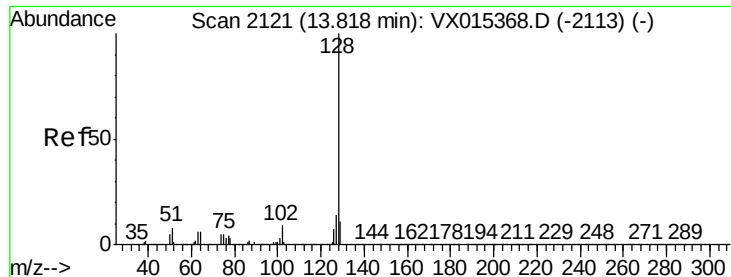
Tot Ion	Ratio	Lower	Upper
180	100		
182	85.8	46.9	140.7
145	24.0	14.9	44.5



#94
 Hexachlorobutadiene
 Concen: 0.441 ug/l
 RT: 13.76 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VX015427.D
 Acq: 30 Mar 2020 14:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.9	95.7
227	49.6	30.4	91.3





#95

Naphthalene

Concen: 0.221 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. -0.00 min

Lab File: VX015427.D

Acq: 30 Mar 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

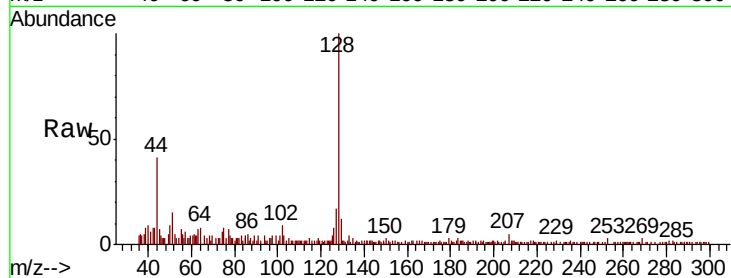
Tot Ion:128 Resp: 14530

Ion Ratio Lower Upper

128 100

127 20.9 10.6 15.8#

129 11.6 8.8 13.2

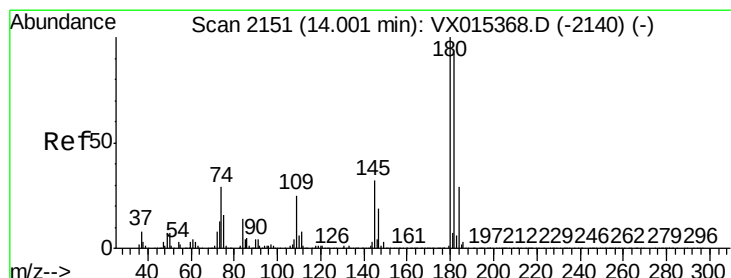
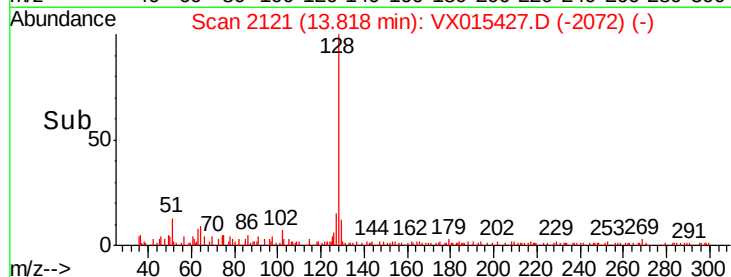
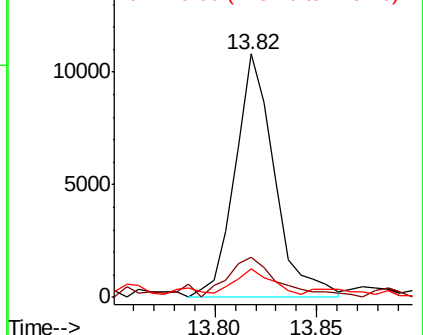


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.251 ug/l

RT: 14.01 min Scan# 2152

Delta R.T. 0.01 min

Lab File: VX015427.D

Acq: 30 Mar 2020 14:57

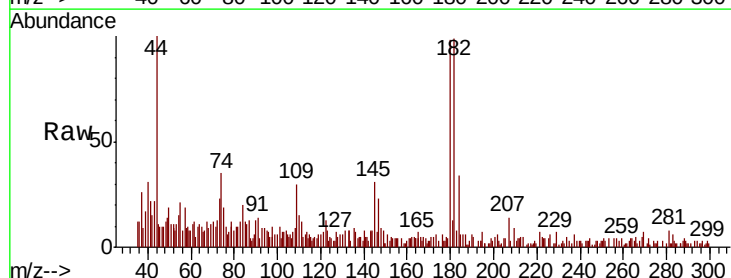
Tgt Ion:180 Resp: 5198

Ion Ratio Lower Upper

180 100

182 100.4 46.7 140.0

145 39.3 15.8 47.3



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

