

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040220\
 Data File : VX015497.D
 Acq On : 02 Apr 2020 21:02
 Operator : JC/SP
 Sample : L2107-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 03 08:05:29 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	5.64	168	1052367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1700543	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1661925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	886564	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	711298	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
35) Dibromofluoromethane	5.47	113	542181	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	8.70	98	2060722	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.12	95	887659	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	

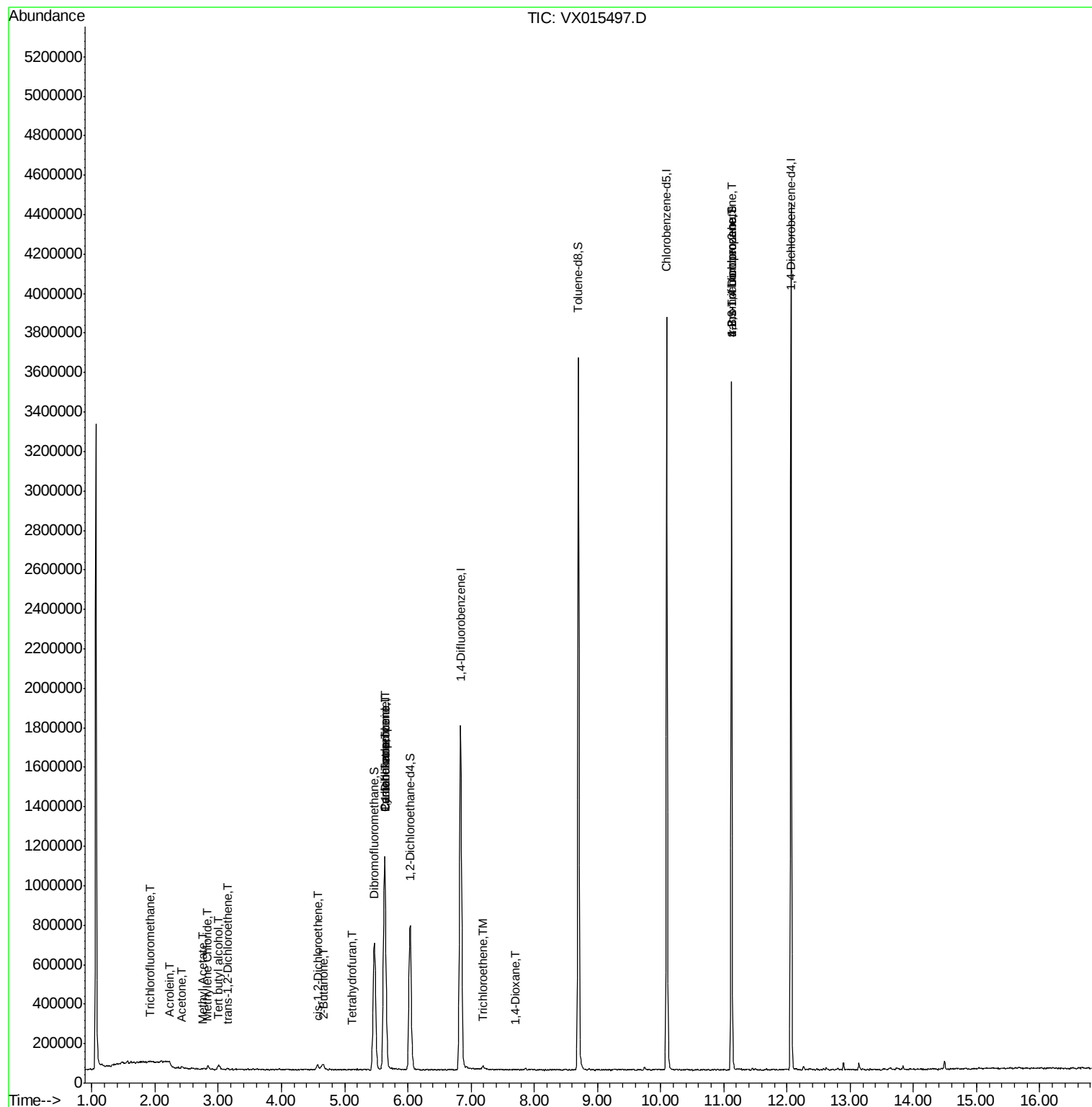
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	125	Below Cal	#	56
7) Trichlorofluoromethane	1.92	101	3680	0.253	ug/l #	62
11) Tert butyl alcohol	3.01	59	30366	8.547	ug/l	95
13) Acrolein	2.23	56	511	0.253	ug/l #	1
16) Acetone	2.42	43	11337	1.778	ug/l #	87
18) Methyl Acetate	2.75	43	4635	0.285	ug/l #	87
20) Methylene Chloride	2.83	84	8278	0.695	ug/l	90
21) trans-1,2-Dichloroethene	3.15	96	2685	0.244	ug/l #	40
25) 2-Butanone	4.66	43	3239	0.316	ug/l #	83
27) cis-1,2-Dichloroethene	4.58	96	16458	1.290	ug/l	80
29) Tetrahydrofuran	5.11	42	2117	0.321	ug/l #	83
31) Cyclohexane	5.63	56	21517	1.145	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	78212	4.992	ug/l #	53
38) Carbon Tetrachloride	5.64	117	101321	5.970	ug/l #	14
44) Trichloroethene	7.19	130	6505	0.520	ug/l	88
49) 1,4-Dioxane	7.70	88	438	1.365	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	462499	25.368	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	462499	60.870	ug/l #	10

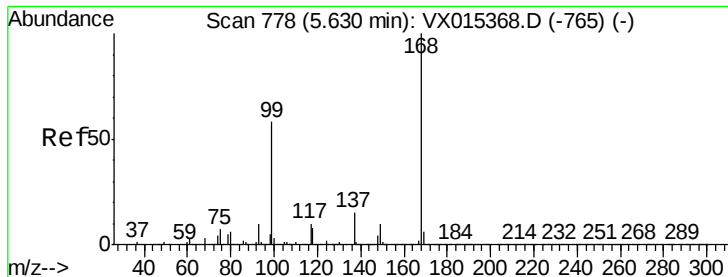
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015497.D

Acq: 02 Apr 2020 21:02

Instrument :

MSVOA_X

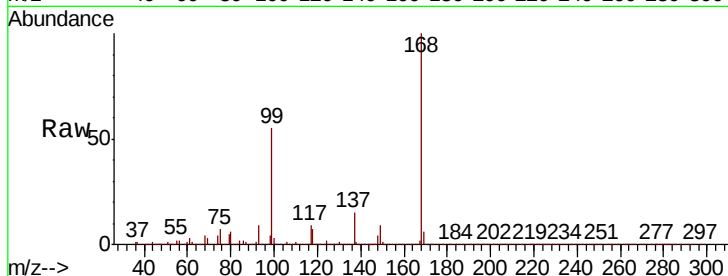
ClientSampleId :

Tot Ion:168 Resp: 1052367

Ion Ratio Lower Upper

168 100

99 54.4 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

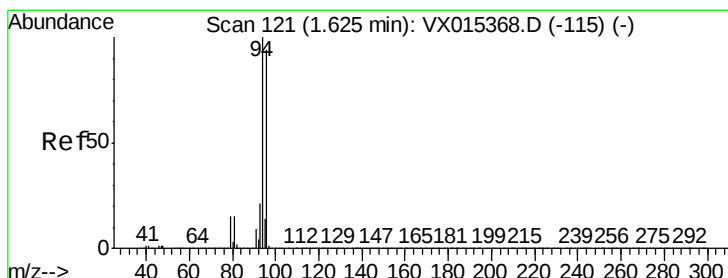
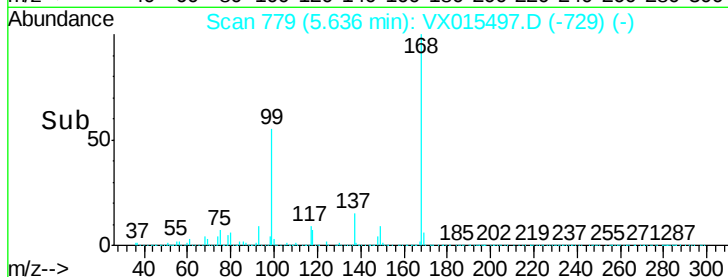
200000

100000

0

5.50 5.60 5.70

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015497.D

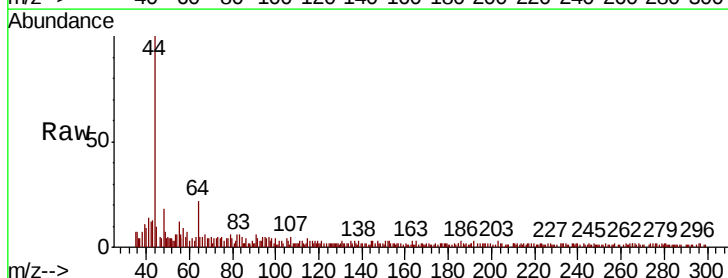
Acq: 02 Apr 2020 21:02

Tgt Ion: 94 Resp: 125

Ion Ratio Lower Upper

94 100

96 51.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

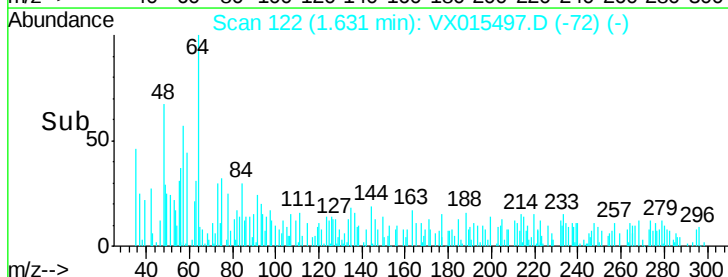
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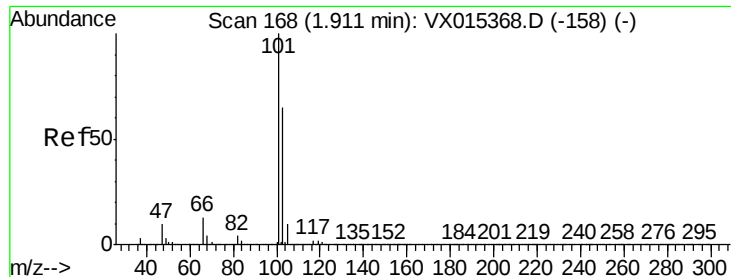
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0

1.62 1.63 1.63 1.64 1.64

Time-->



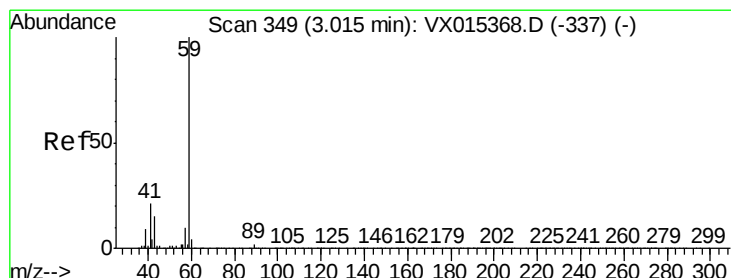
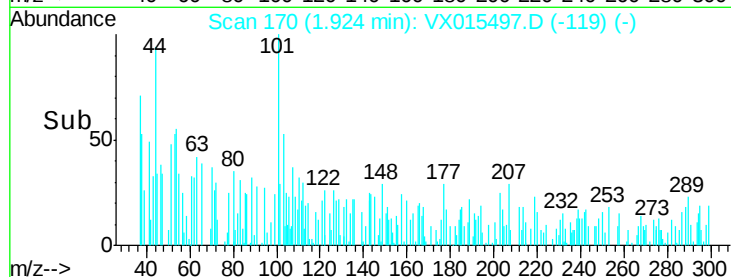
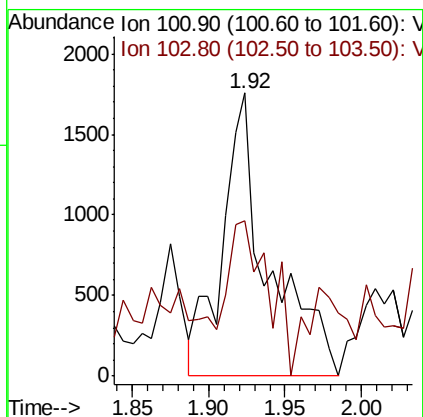
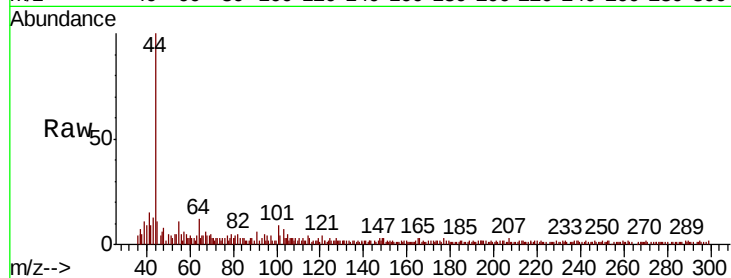


#7

Trichlorofluoromethane
 Concen: 0.253 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX015497.D
 Acq: 02 Apr 2020 21:02

Instrument :
 MSVOA_X
 ClientSampleId :

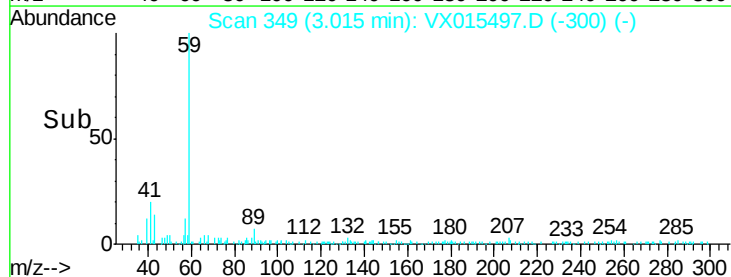
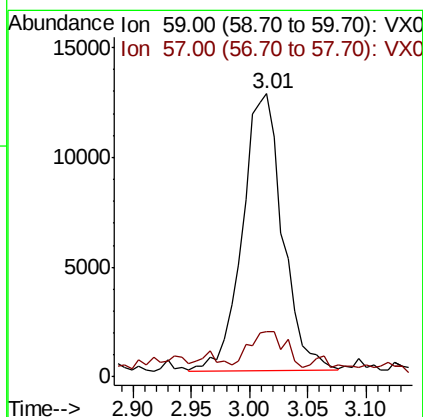
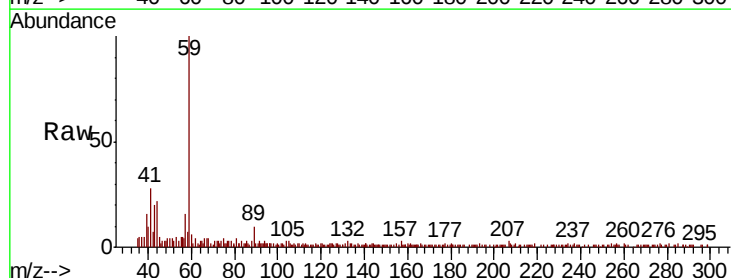
Tot Ion:101 Resp: 3680
 Ion Ratio Lower Upper
 101 100
 103 35.5 52.3 78.5#

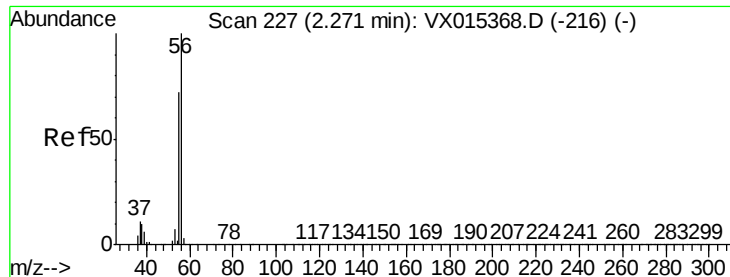


#11

Tert butyl alcohol
 Concen: 8.547 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VX015497.D
 Acq: 02 Apr 2020 21:02

Tgt Ion: 59 Resp: 30366
 Ion Ratio Lower Upper
 59 100
 57 12.1 8.1 12.1

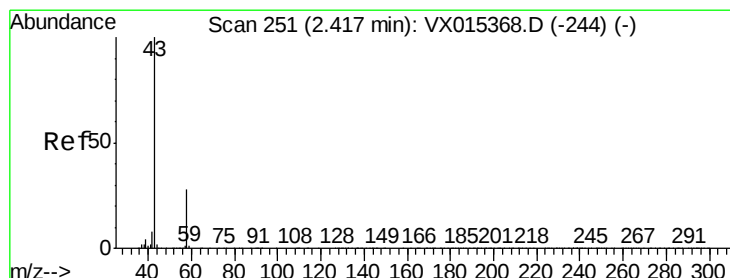
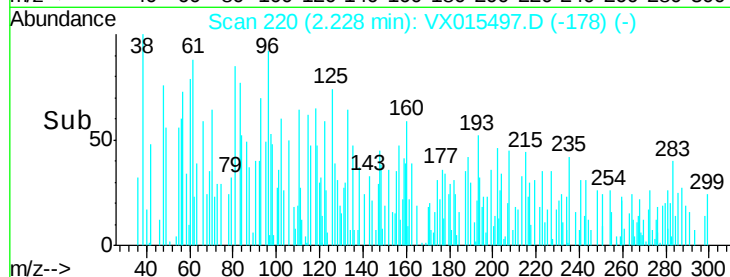
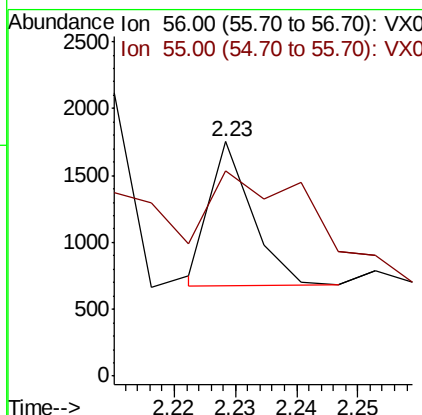
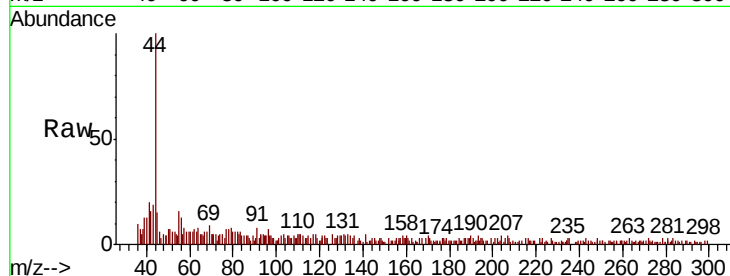




#13
Acrolein
Concen: 0.253 ug/l
RT: 2.23 min Scan# 220
Delta R.T. -0.04 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

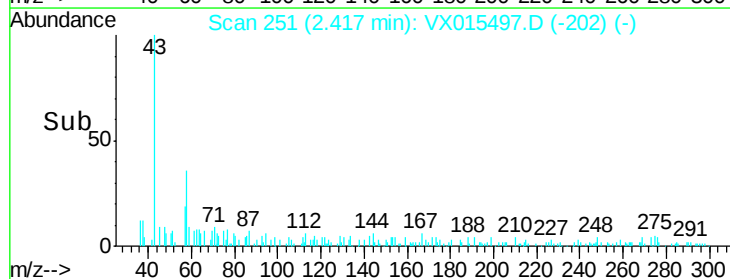
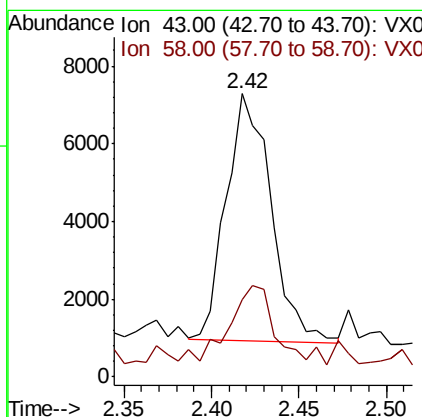
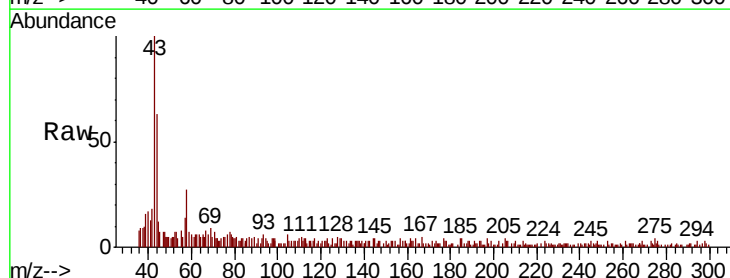
Instrument :
MSVOA_X
ClientSampleId :

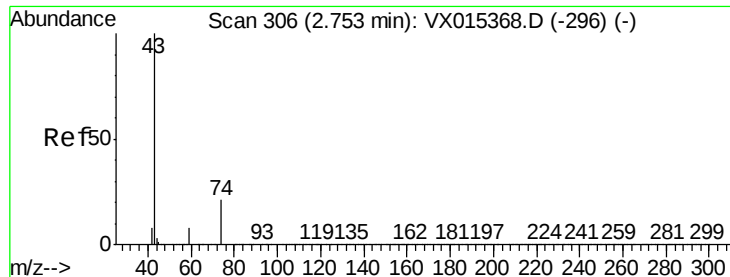
Tot Ion: 56 Resp: 511
Ion Ratio Lower Upper
56 100
55 188.1 57.0 85.4#



#16
Acetone
Concen: 1.778 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

Tgt Ion: 43 Resp: 11337
Ion Ratio Lower Upper
43 100
58 20.6 22.1 33.1#

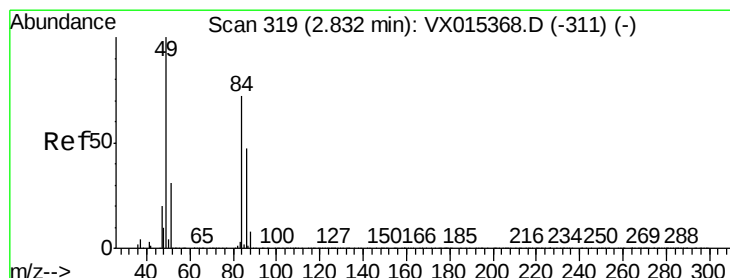
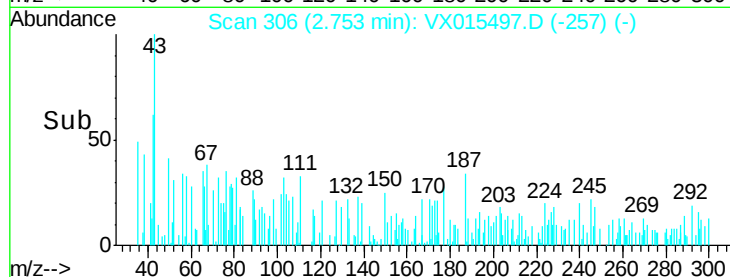
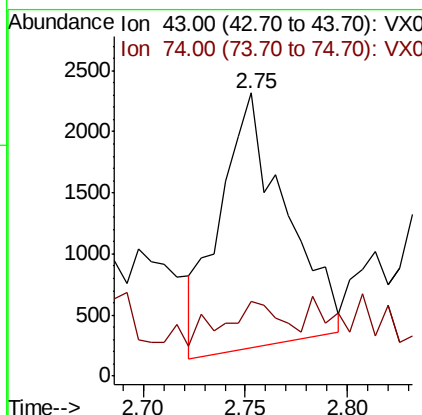
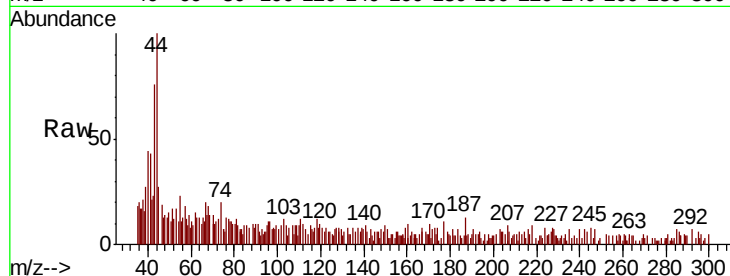




#18
Methyl Acetate
Concen: 0.285 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

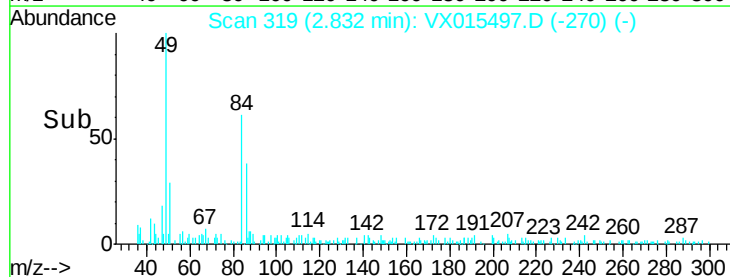
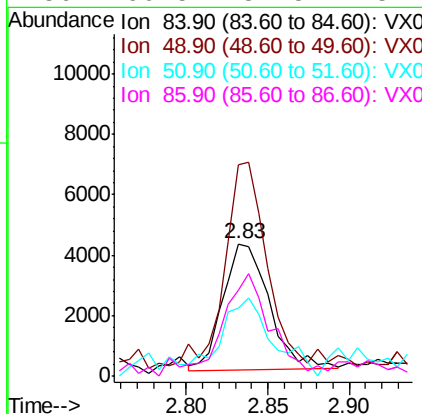
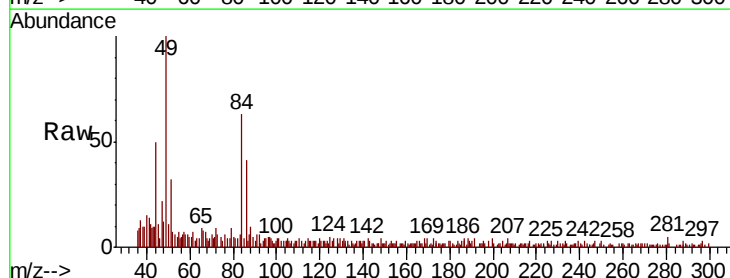
Instrument :
MSVOA_X
ClientSampleId :

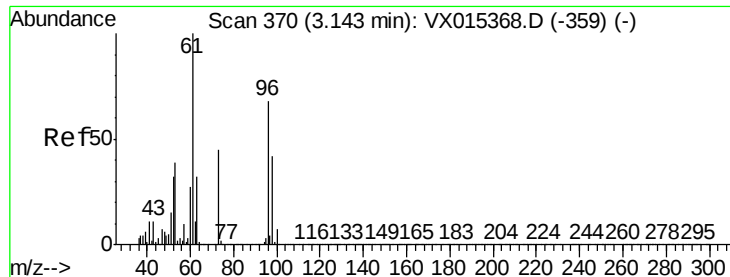
Tot Ion: 43 Resp: 4635
Ion Ratio Lower Upper
43 100
74 14.5 16.5 24.7#



#20
Methylene Chloride
Concen: 0.695 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.00 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

Tgt Ion: 84 Resp: 8278
Ion Ratio Lower Upper
84 100
49 155.4 111.3 166.9
51 46.1 34.0 51.0
86 60.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 0.244 ug/l

RT: 3.15 min Scan# 371

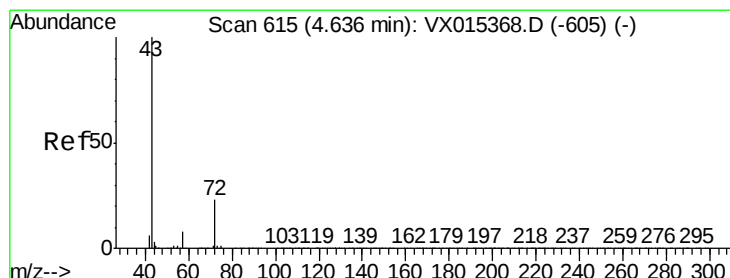
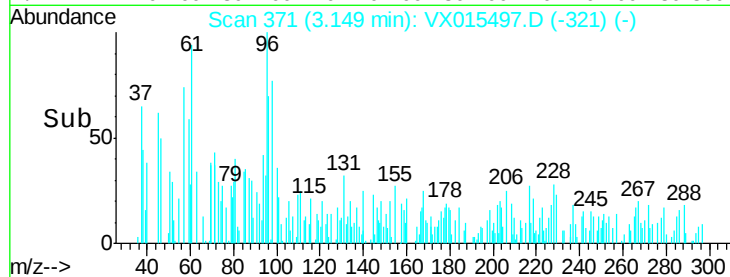
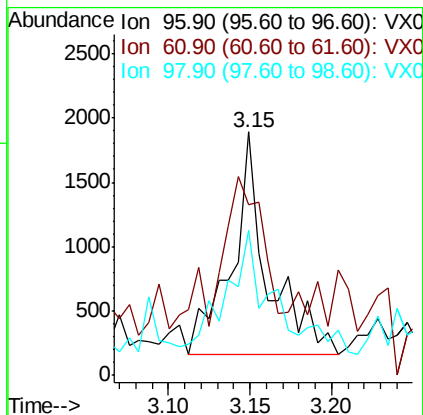
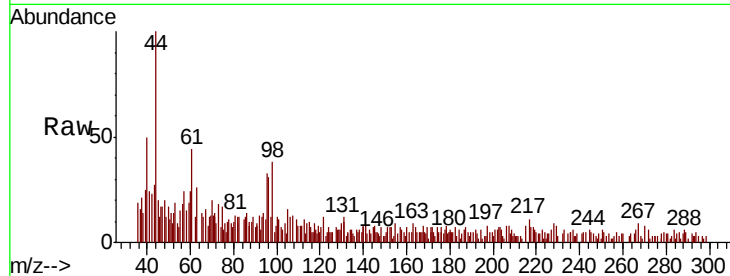
Delta R.T. 0.01 min

Lab File: VX015497.D

Acq: 02 Apr 2020 21:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	96	Resp:	2685
Ion	Ratio	Lower	Upper
96	100		
61	47.1	116.9	175.3#
98	51.6	48.6	73.0



#25

2-Butanone

Concen: 0.316 ug/l

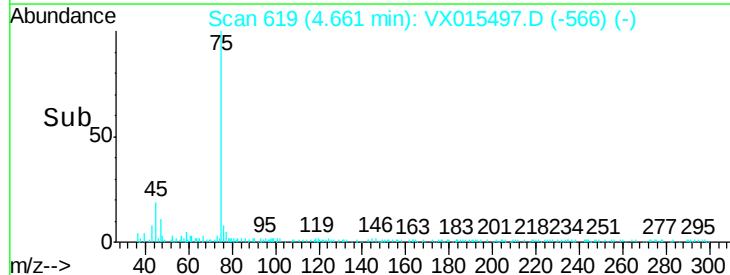
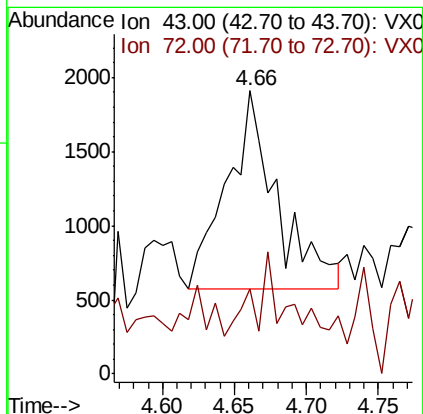
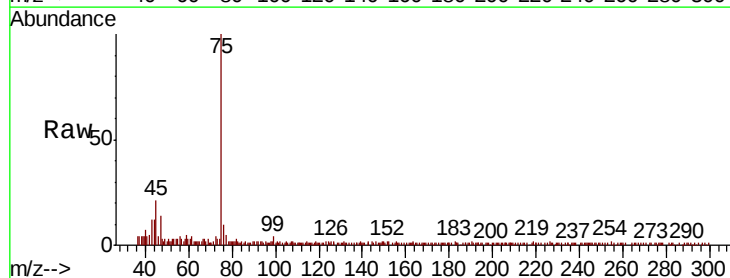
RT: 4.66 min Scan# 619

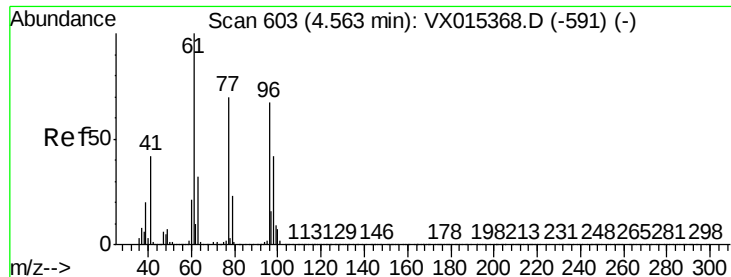
Delta R.T. 0.02 min

Lab File: VX015497.D

Acq: 02 Apr 2020 21:02

Tgt Ion:	43	Resp:	3239
Ion	Ratio	Lower	Upper
43	100		
72	15.2	19.0	28.4#



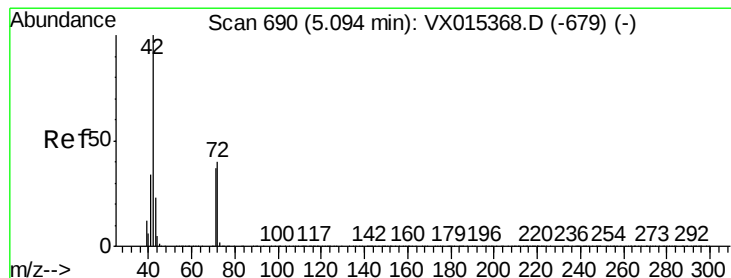
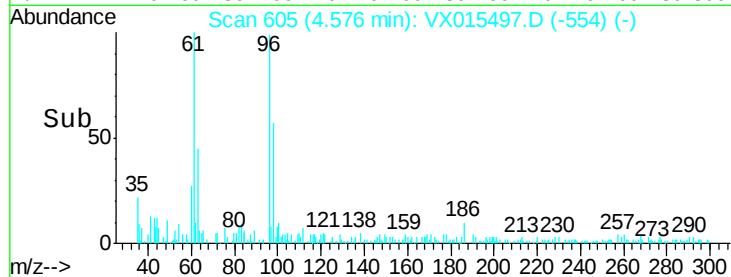
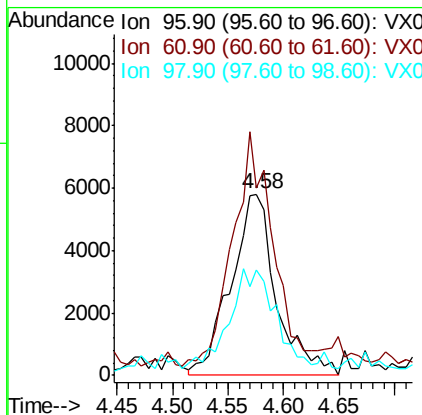
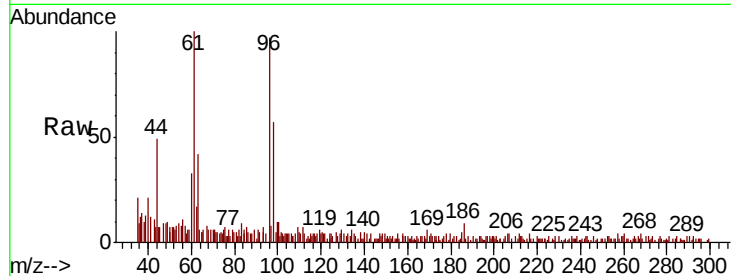


#27

cis-1,2-Dichloroethene
 Concen: 1.290 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX015497.D
 Acq: 02 Apr 2020 21:02

Instrument :
 MSVOA_X
 ClientSampled :

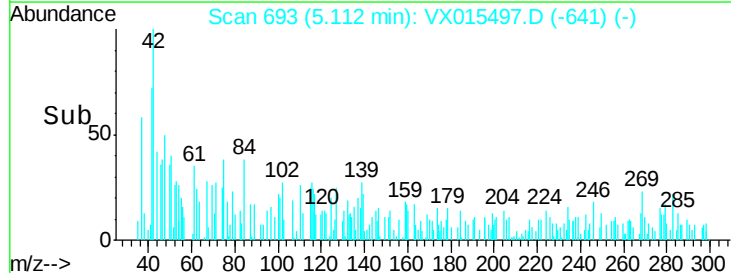
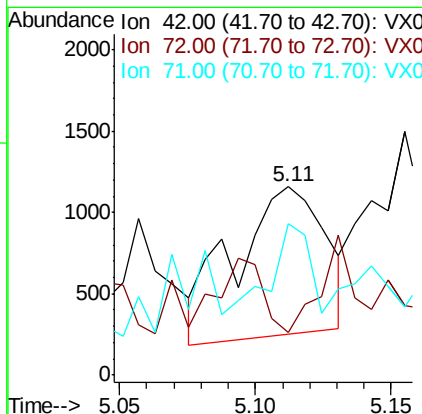
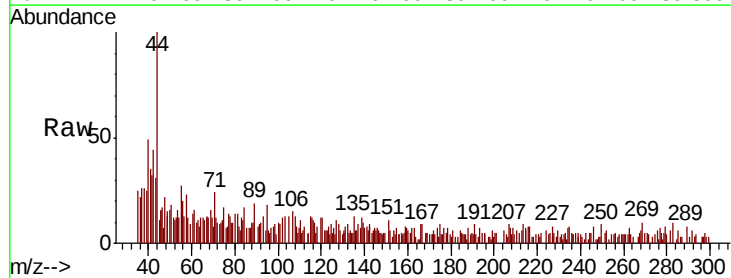
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.4	0.0	308.4
98	54.8	0.0	129.2

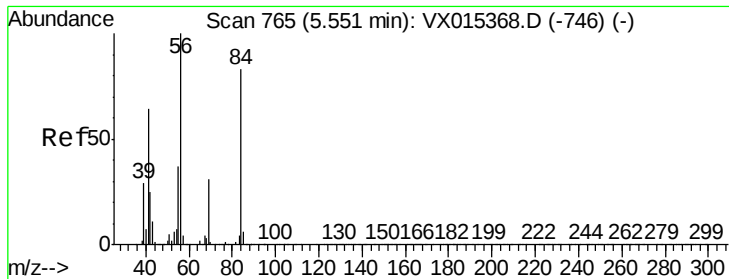


#29

Tetrahydrofuran
 Concen: 0.321 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VX015497.D
 Acq: 02 Apr 2020 21:02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	23.9	31.7	47.5#
71	32.1	29.6	44.4

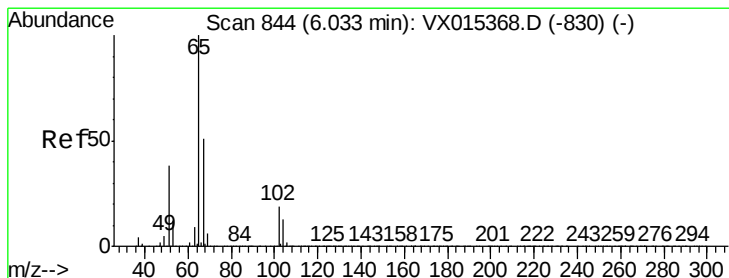
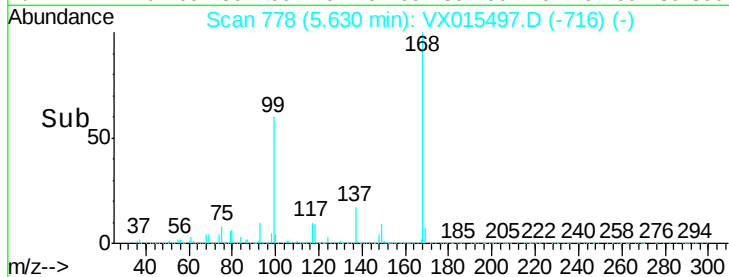
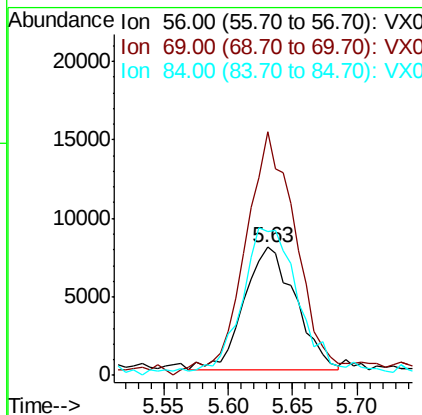
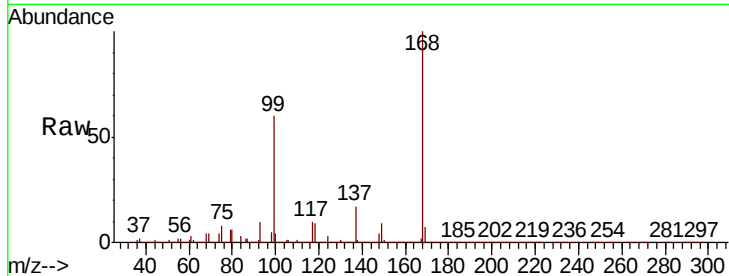




#31
Cyclohexane
Concen: 1.145 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

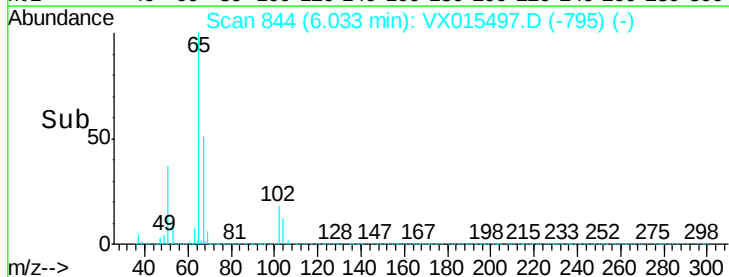
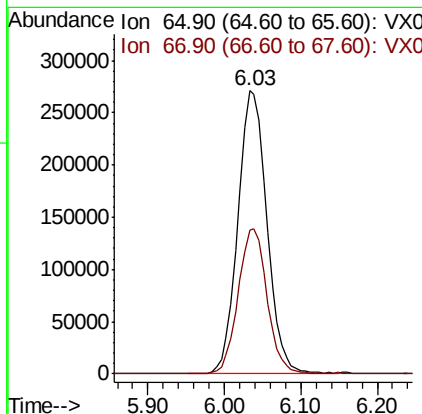
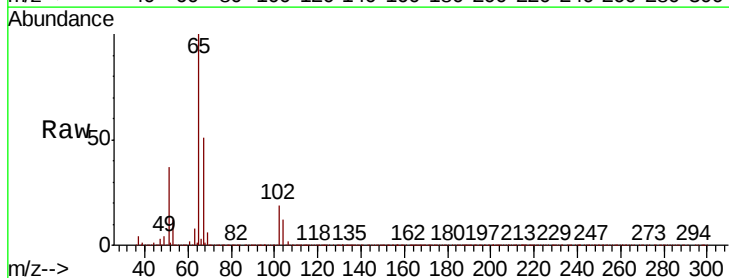
Instrument :
MSVOA_X
ClientSampled :

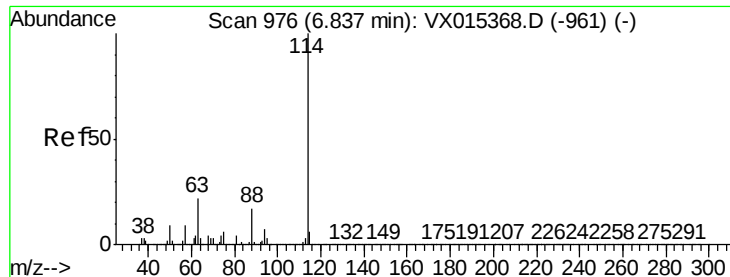
Tot Ion	Ratio	Lower	Upper
56	100		
69	193.5	24.6	36.8#
84	114.1	66.1	99.1#



#33
1,2-Dichloroethane-d4
Concen: 47.923 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.6

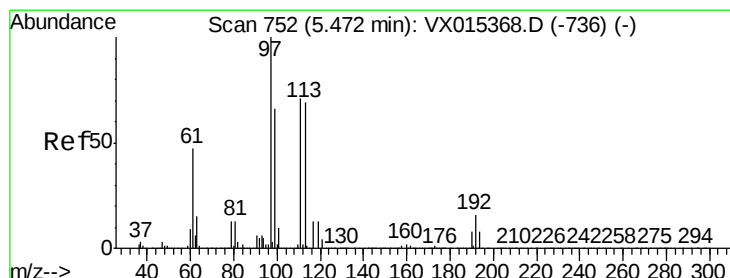
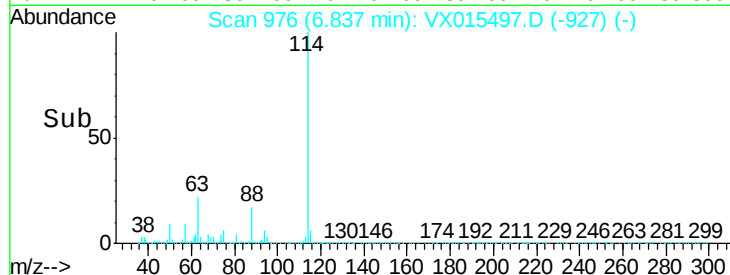
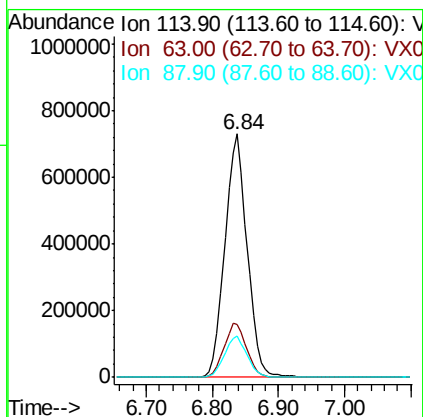
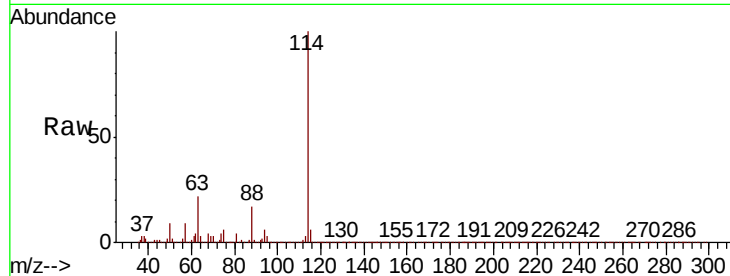




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 976
Delta R.T. 0.00 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

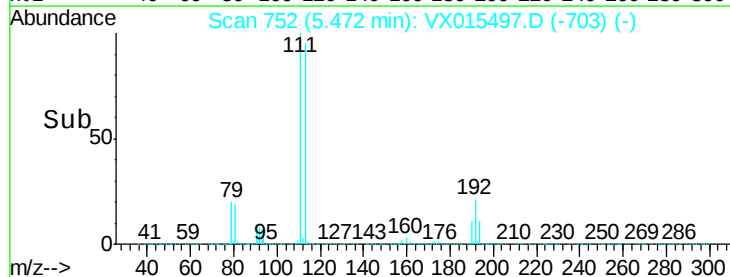
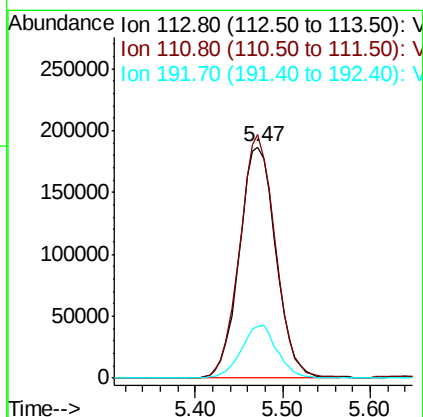
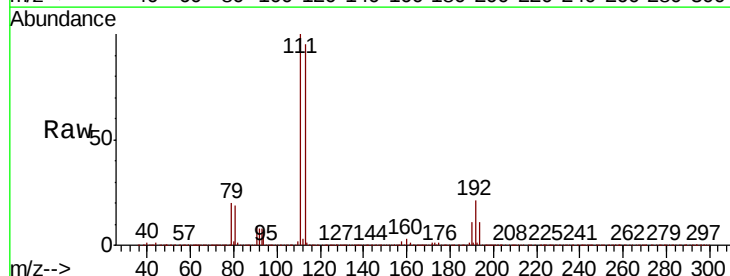
Instrument :
MSVOA_X
ClientSampleId :

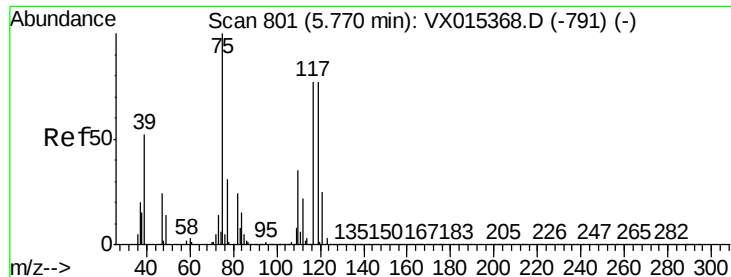
Tot Ion:114 Resp: 1700543
Ion Ratio Lower Upper
114 100
63 21.9 0.0 44.2
88 16.9 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.877 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

Tgt Ion:113 Resp: 542181
Ion Ratio Lower Upper
113 100
111 102.2 81.5 122.3
192 22.1 17.8 26.6





#36

1,1-Dichloropropene

Concen: 4.992 ug/l

RT: 5.64 min Scan# 779

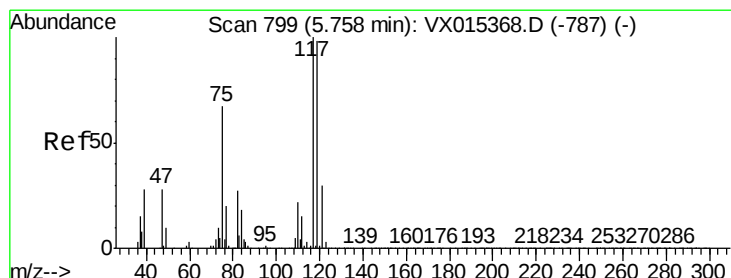
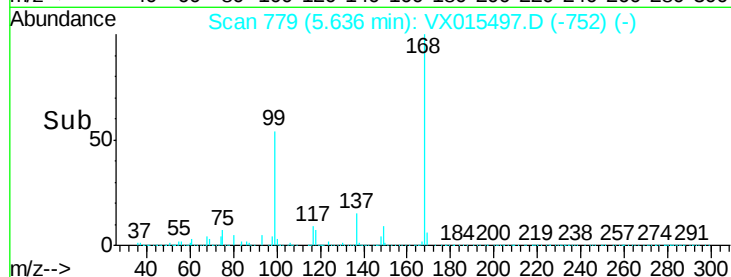
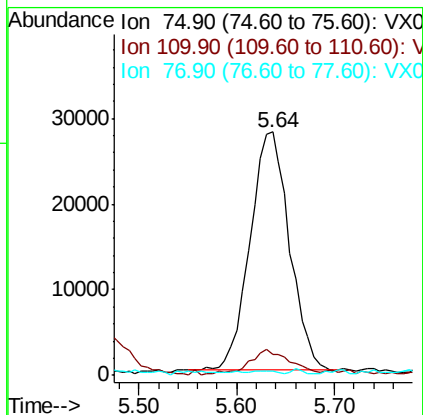
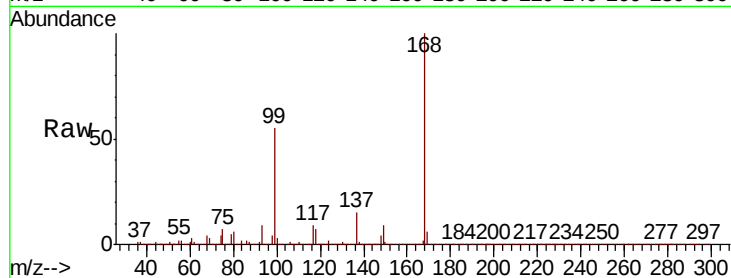
Delta R.T. -0.13 min

Lab File: VX015497.D

Acq: 02 Apr 2020 21:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	78212
Ion	Ratio	Lower	Upper
75	100		
110	10.7	17.1	51.3#
77	0.9	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 5.970 ug/l

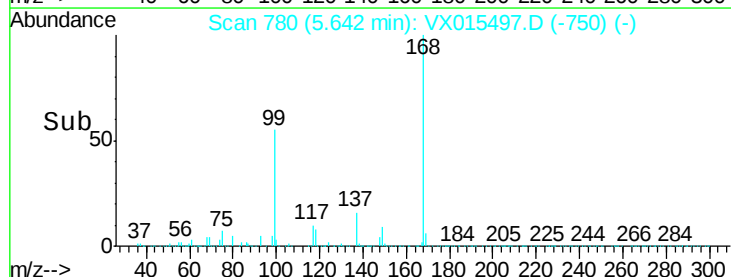
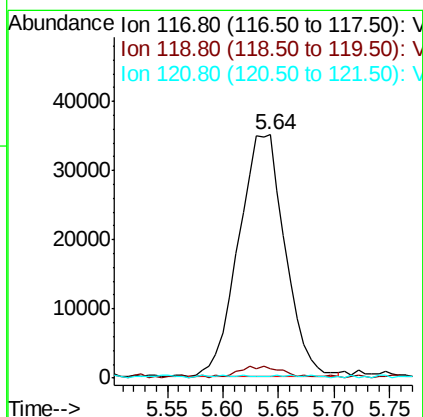
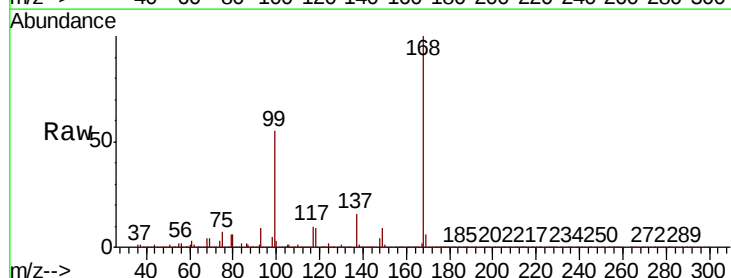
RT: 5.64 min Scan# 780

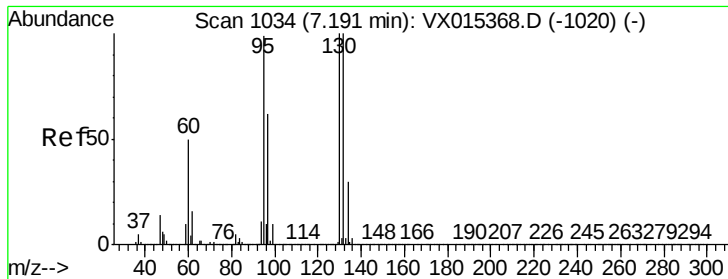
Delta R.T. -0.12 min

Lab File: VX015497.D

Acq: 02 Apr 2020 21:02

Tgt Ion:	117	Resp:	101321
Ion	Ratio	Lower	Upper
117	100		
119	3.7	78.0	117.0#
121	0.2	23.8	35.8#

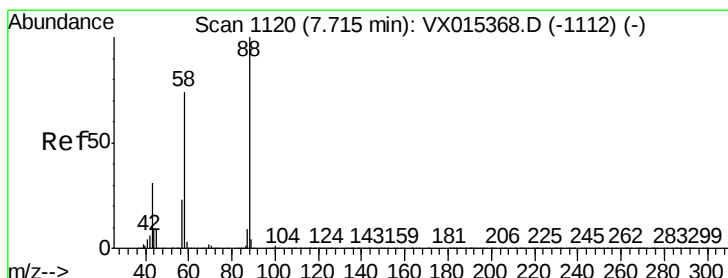
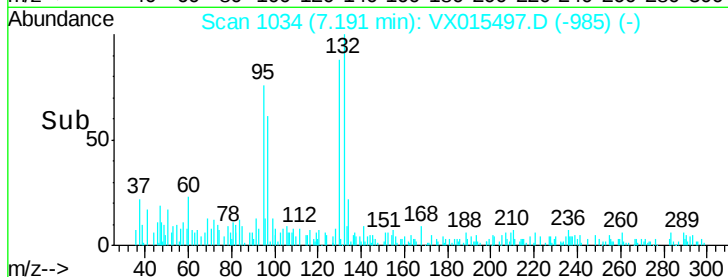
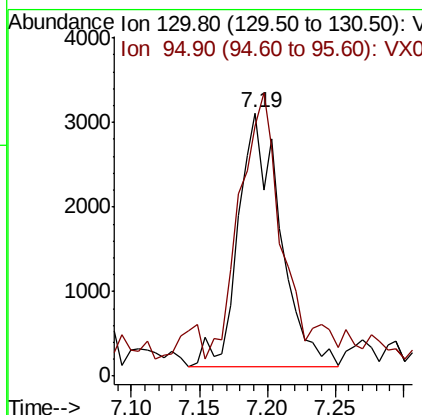
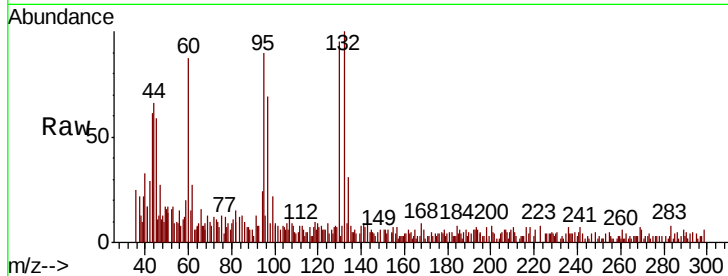




#44
 Trichloroethene
 Concen: 0.520 ug/l
 RT: 7.19 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VX015497.D
 Acq: 02 Apr 2020 21:02

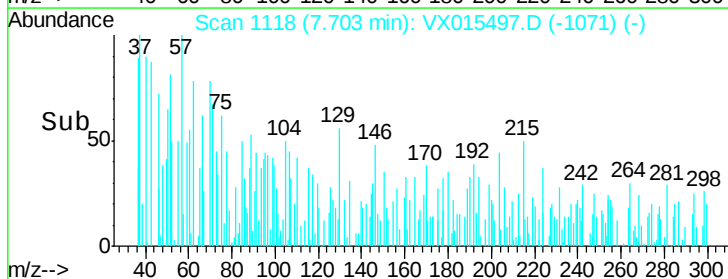
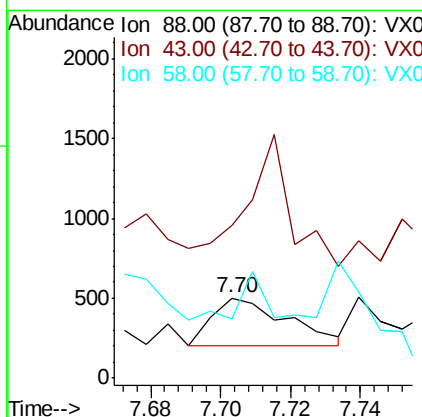
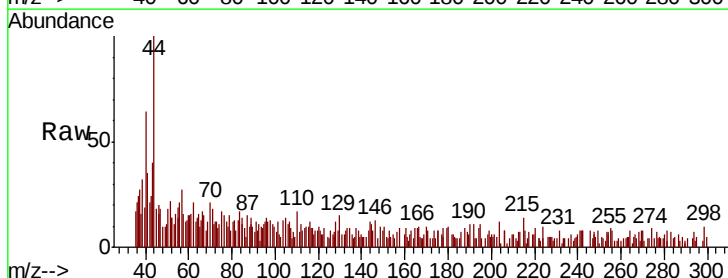
Instrument :
 MSVOA_X
 ClientSampled :

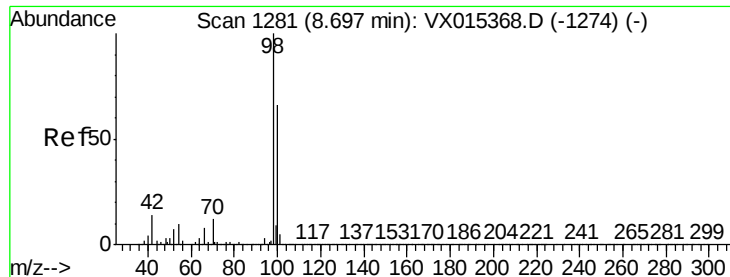
Tot Ion:130 Resp: 6505
 Ion Ratio Lower Upper
 130 100
 95 87.2 0.0 199.0



#49
 1,4-Dioxane
 Concen: 1.365 ug/l
 RT: 7.70 min Scan# 1118
 Delta R.T. -0.01 min
 Lab File: VX015497.D
 Acq: 02 Apr 2020 21:02

Tgt Ion: 88 Resp: 438
 Ion Ratio Lower Upper
 88 100
 43 181.3 30.1 45.1#
 58 29.7 60.6 90.8#

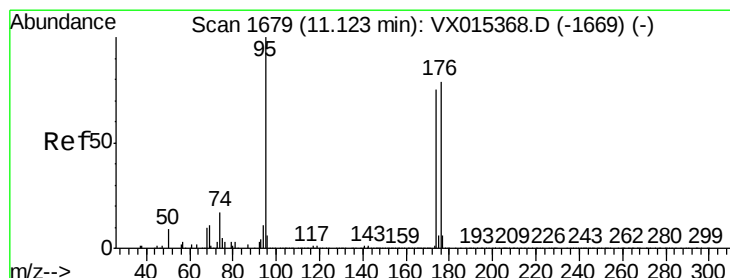
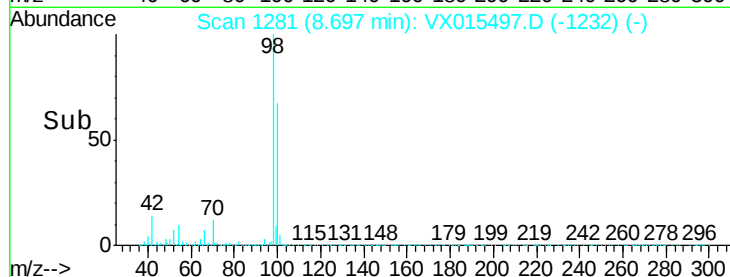
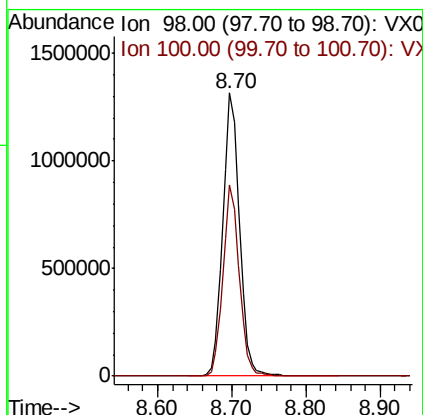
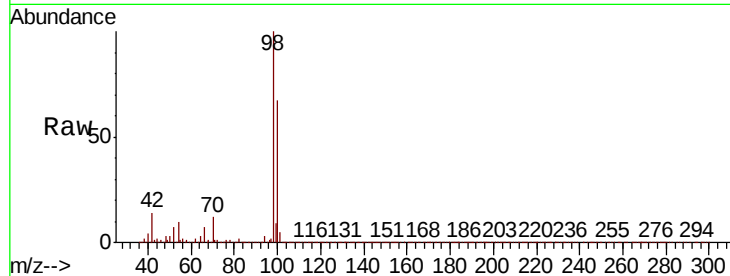




#50
Toluene-d8
Concen: 51.490 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

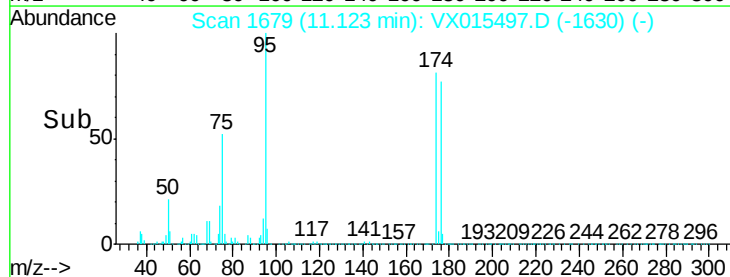
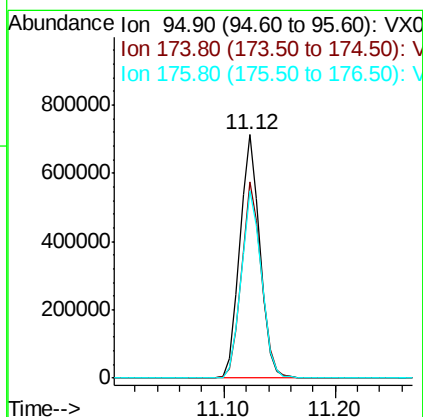
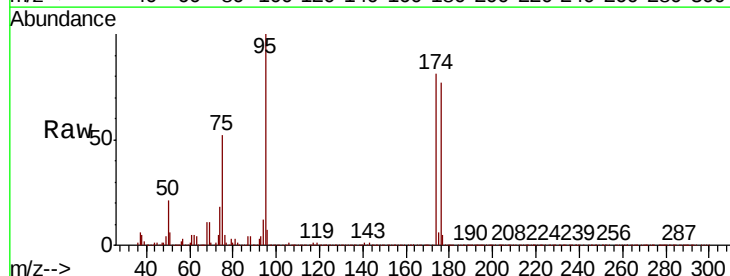
Instrument :
MSVOA_X
ClientSampleId :

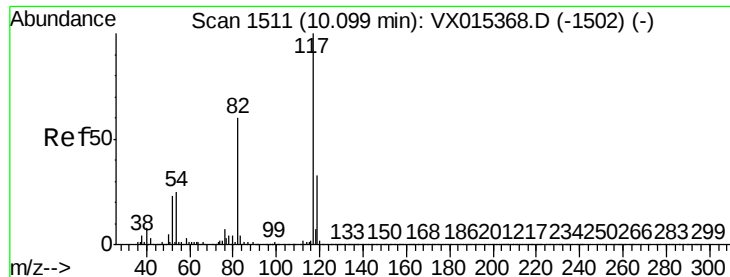
Tot Ion: 98 Resp: 2060722
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 54.575 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

Tgt Ion: 95 Resp: 887659
Ion Ratio Lower Upper
95 100
174 79.8 0.0 158.6
176 78.0 0.0 159.0

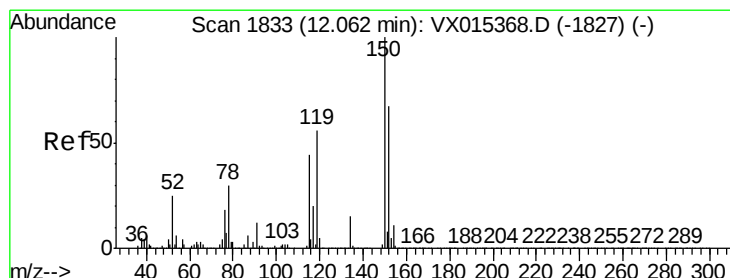
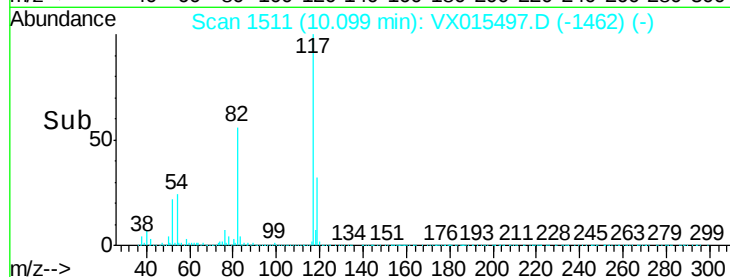
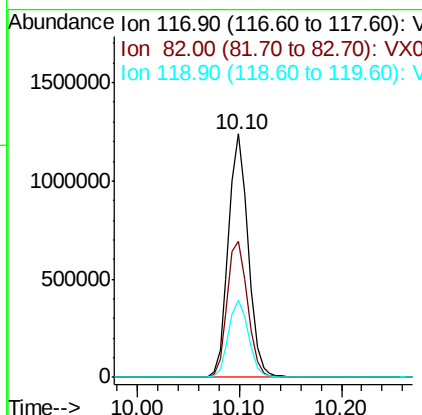
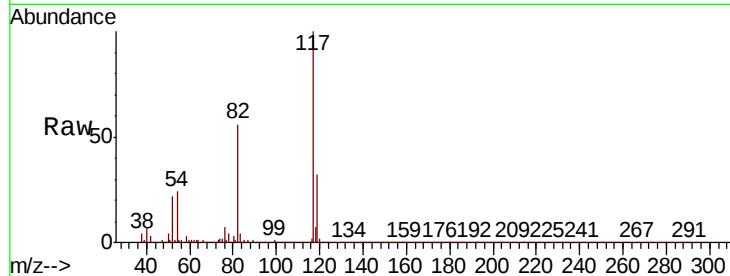




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

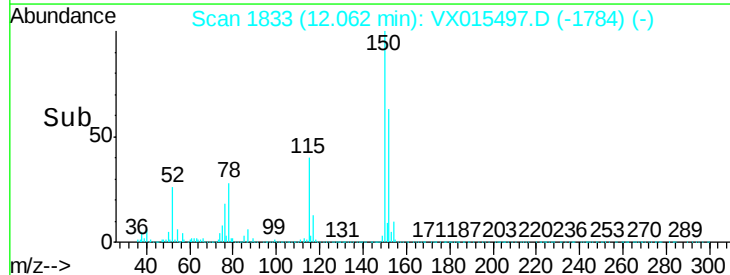
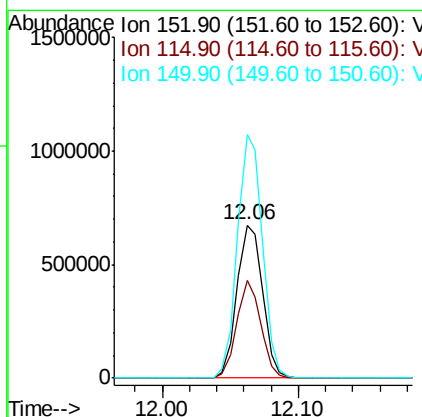
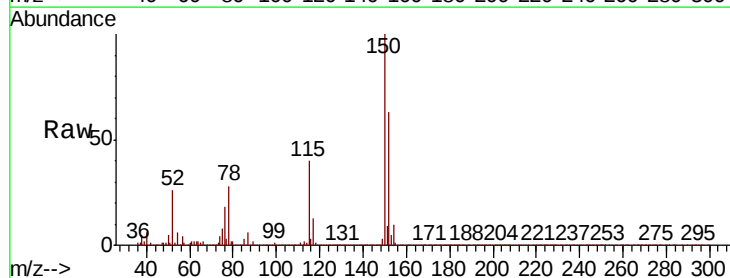
Instrument :
MSVOA_X
ClientSampleId :

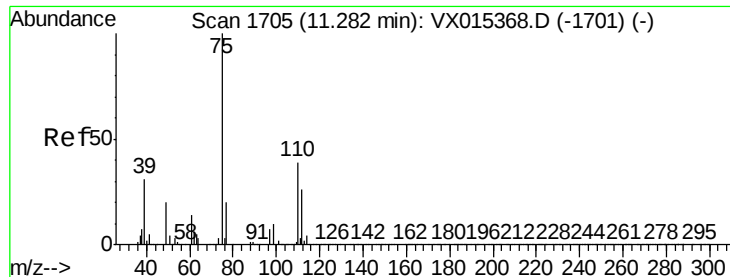
Tot Ion:117 Resp: 1661925
Ion Ratio Lower Upper
117 100
82 56.1 47.8 71.8
119 32.0 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015497.D
Acq: 02 Apr 2020 21:02

Tgt Ion:152 Resp: 886564
Ion Ratio Lower Upper
152 100
115 59.4 39.0 116.9
150 154.8 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 25.368 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015497.D

Acq: 02 Apr 2020 21:02

Instrument :

MSVOA_X

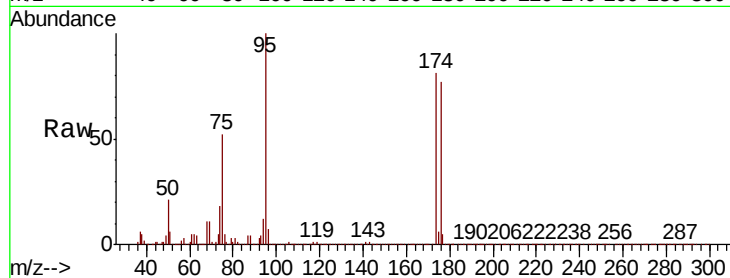
ClientSampleId :

Tot Ion: 75 Resp: 462499

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

400000

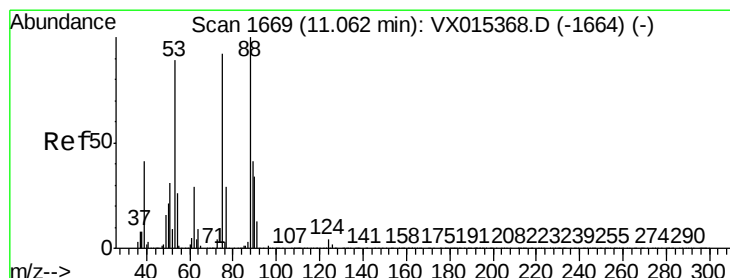
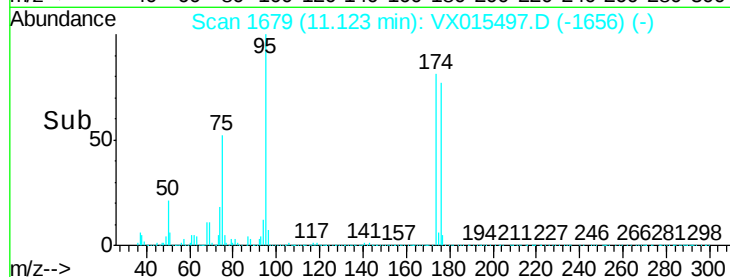
300000

200000

100000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 60.870 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015497.D

Acq: 02 Apr 2020 21:02

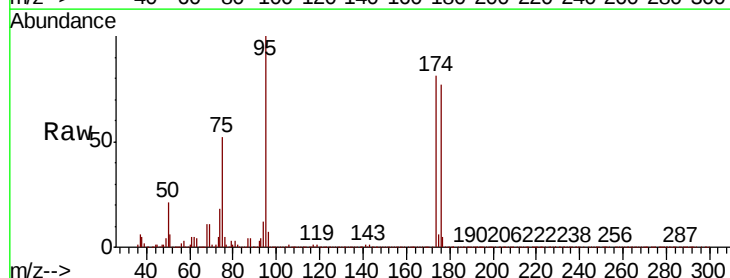
Tgt Ion: 75 Resp: 462499

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.12

500000

400000

300000

200000

100000

0

Time--> 11.05 11.10 11.15 11.20

