

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052220\
 Data File : VX016413.D
 Acq On : 22 May 2020 15:36
 Operator : JC/SP
 Sample : L2743-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 02:45:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	209650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	346061	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	345238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	178537	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	120803	43.79	ug/l	0.00
Spiked Amount			Recovery	=	87.58%	
35) Dibromofluoromethane	5.47	113	102170	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	8.70	98	426725	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.12	95	173249	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	

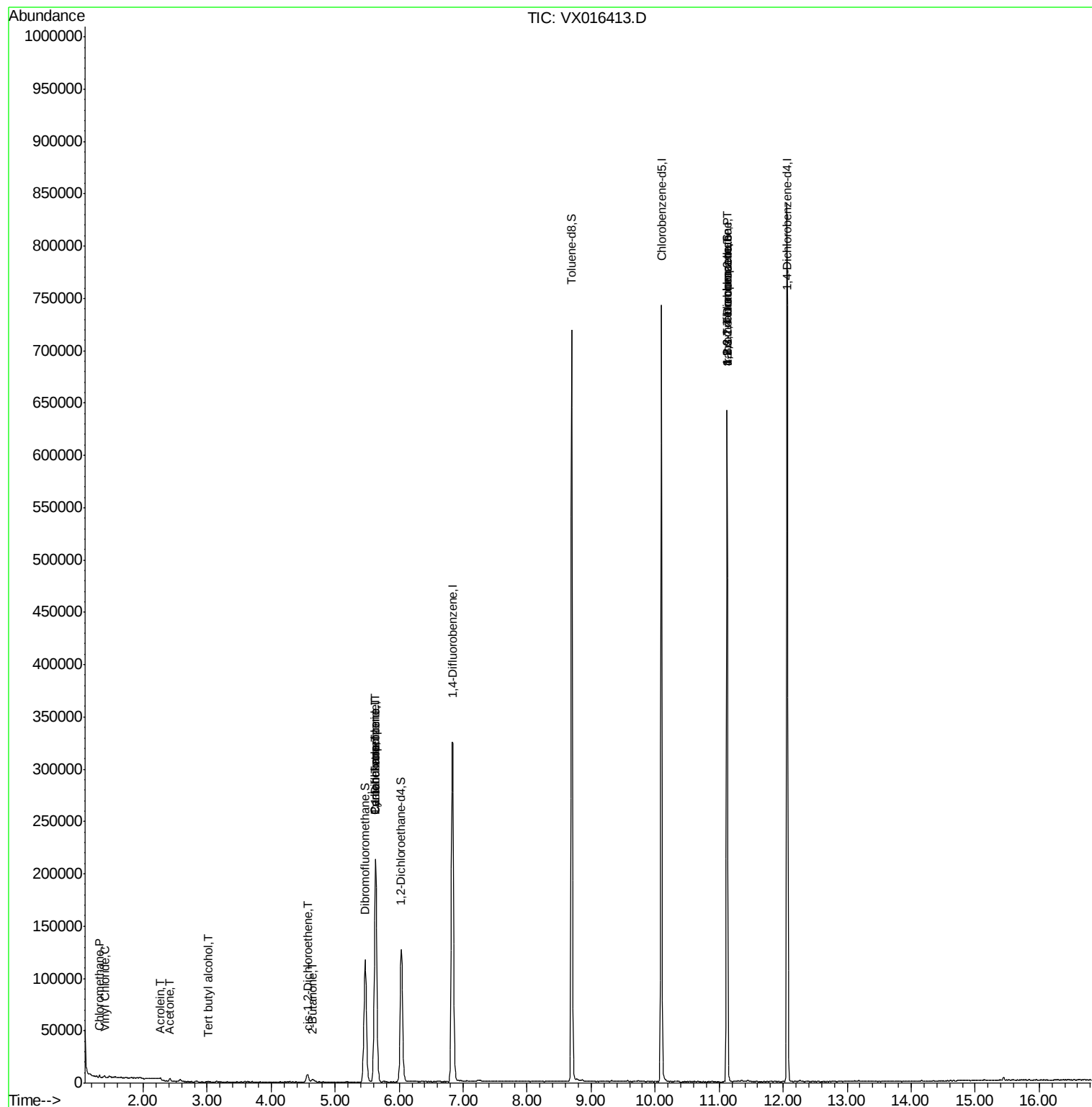
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1655	0.642	ug/l	95
4) Vinyl Chloride	1.40	62	862	0.314	ug/l	94
11) Tert butyl alcohol	3.02	59	360	0.516	ug/l #	72
13) Acrolein	2.27	56	254	0.582	ug/l	88
16) Acetone	2.42	43	2845	2.311	ug/l	97
17) Carbon Disulfide	2.55	76	657	Below Cal	#	56
25) 2-Butanone	4.65	43	522	0.263	ug/l #	48
27) cis-1,2-Dichloroethene	4.57	96	5015	1.889	ug/l	79
31) Cyclohexane	5.63	56	3651	0.953	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	14695	4.314	ug/l #	49
38) Carbon Tetrachloride	5.63	117	20354	5.878	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	11.12	83	57	2.072	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	81726	20.172	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	81726	48.072	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016413.D

Acq: 22 May 2020 15:36

Instrument :

MSVOA_X

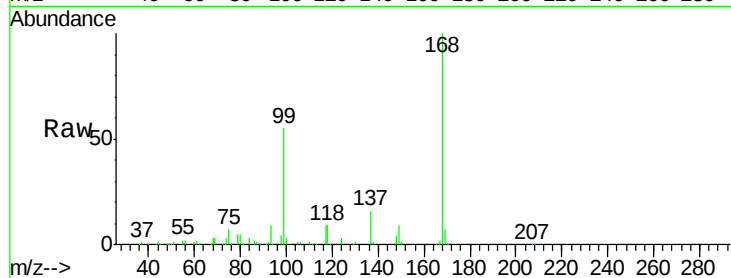
ClientSampleId :

Tot Ion:168 Resp: 209650

Ion Ratio Lower Upper

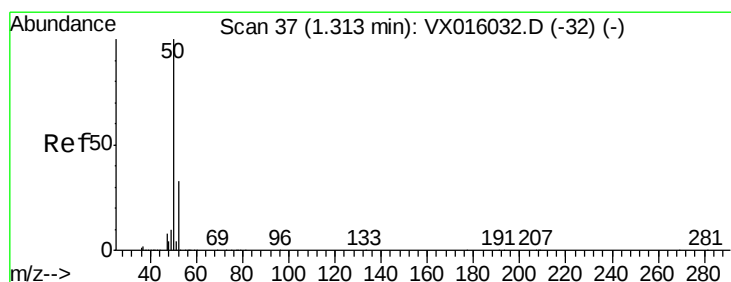
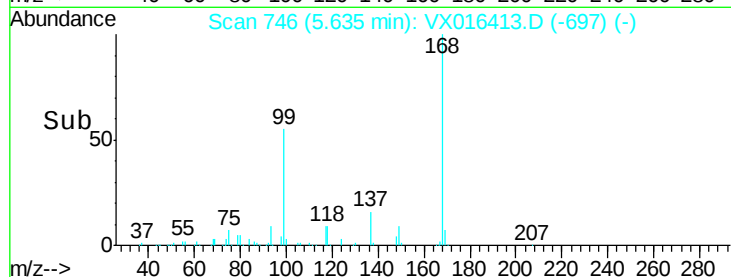
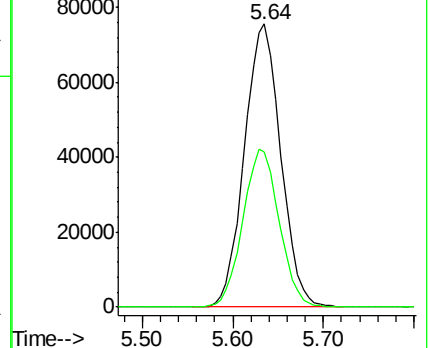
168 100

99 54.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.642 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016413.D

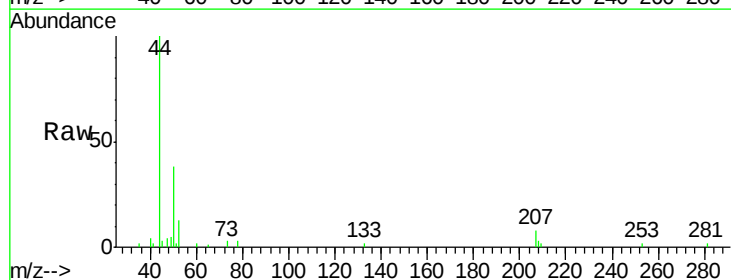
Acq: 22 May 2020 15:36

Tgt Ion: 50 Resp: 1655

Ion Ratio Lower Upper

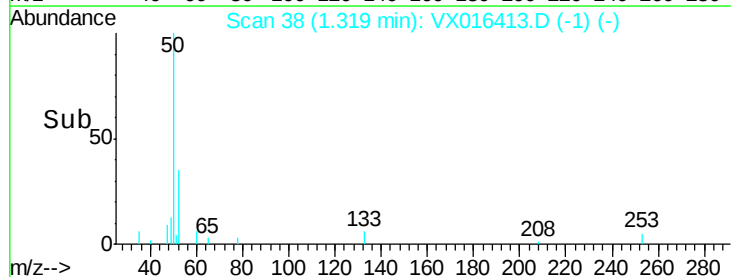
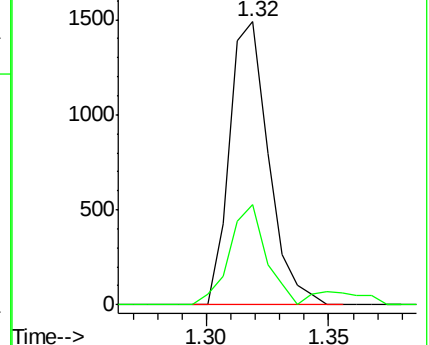
50 100

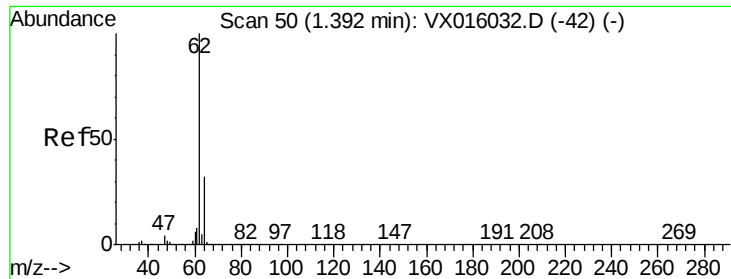
52 35.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.314 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX016413.D

Acq: 22 May 2020 15:36

Instrument :

MSVOA_X

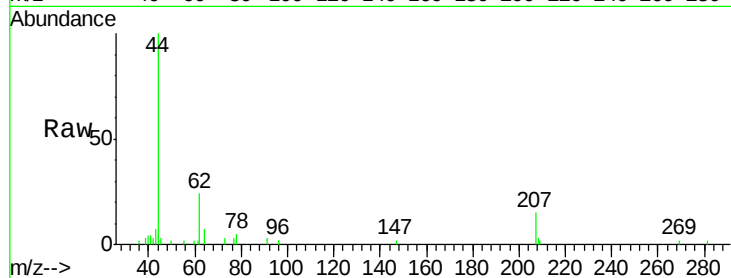
ClientSampled :

Tot Ion: 62 Resp: 862

Ion Ratio Lower Upper

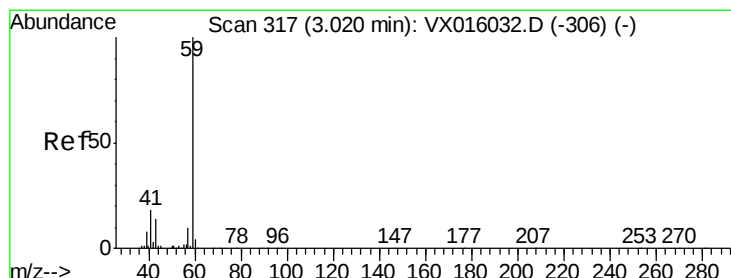
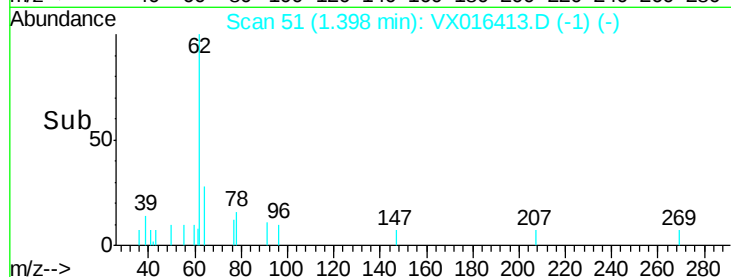
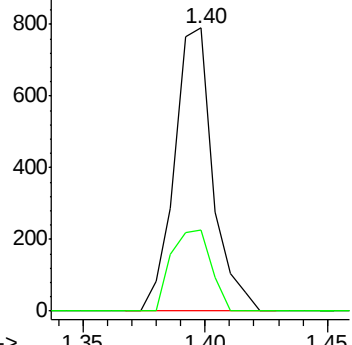
62 100

64 28.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#11

Tert butyl alcohol

Concen: 0.516 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX016413.D

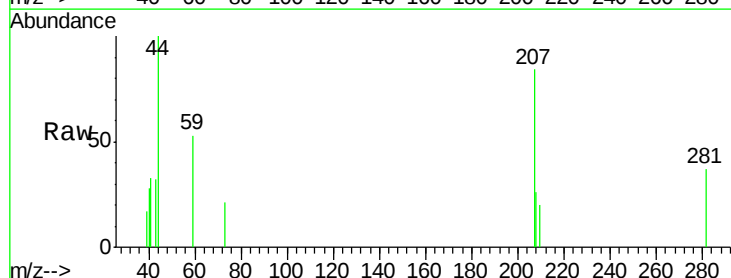
Acq: 22 May 2020 15:36

Tgt Ion: 59 Resp: 360

Ion Ratio Lower Upper

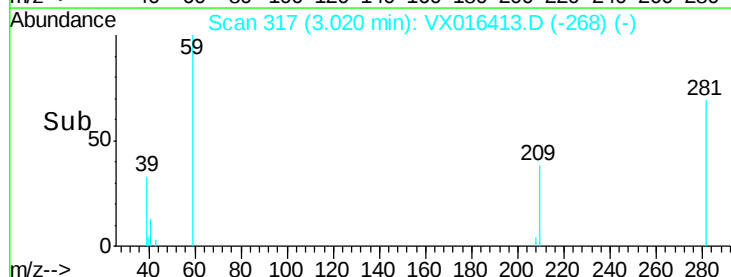
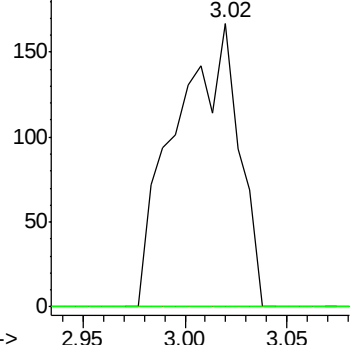
59 100

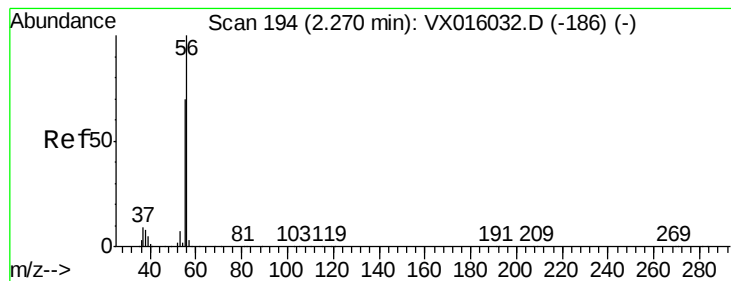
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.582 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016413.D

Acq: 22 May 2020 15:36

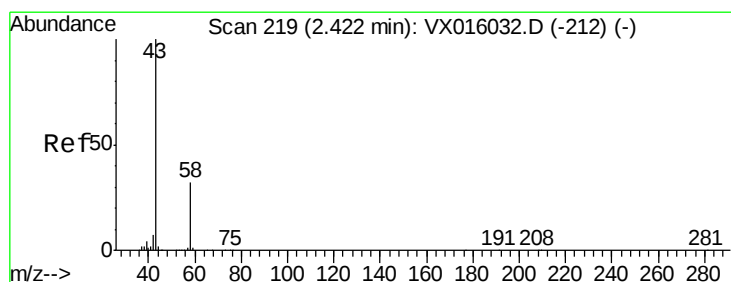
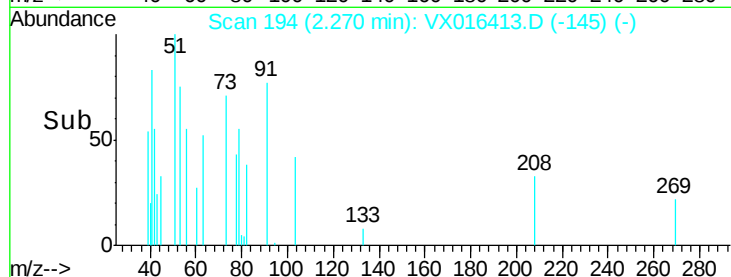
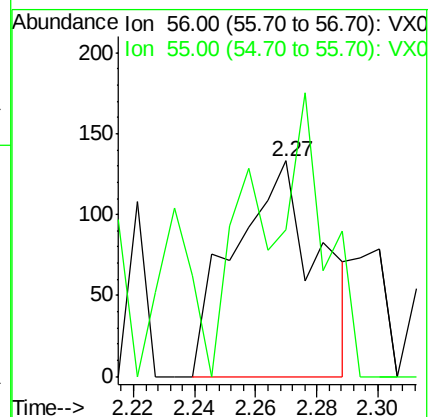
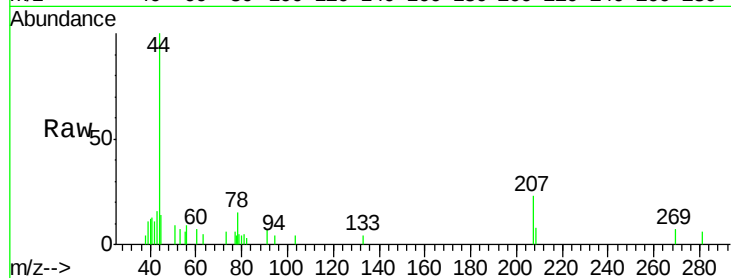
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 254

Ion Ratio Lower Upper

56 100

55 60.6 56.5 84.7



#16

Acetone

Concen: 2.311 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016413.D

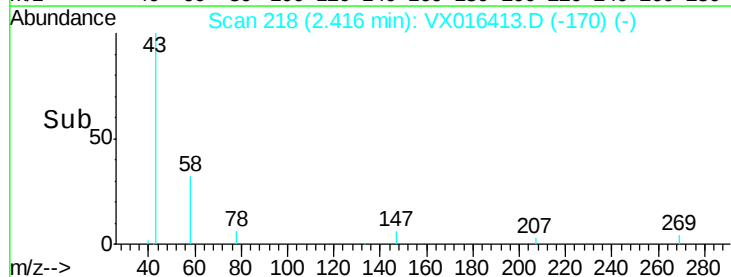
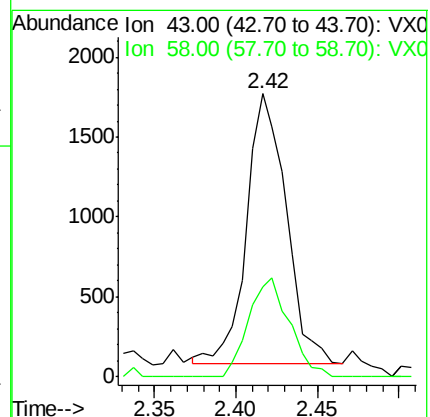
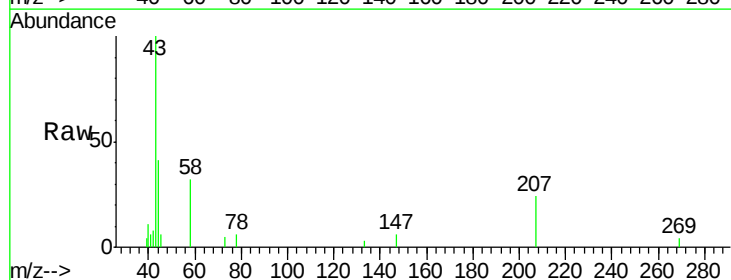
Acq: 22 May 2020 15:36

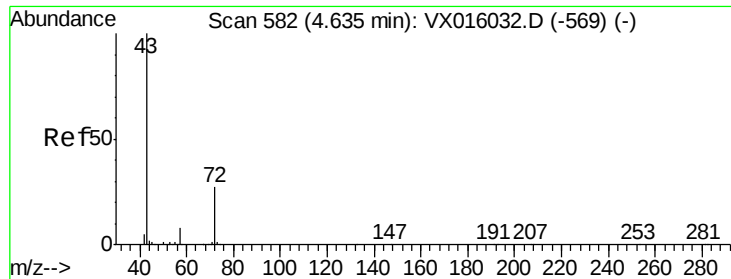
Tgt Ion: 43 Resp: 2845

Ion Ratio Lower Upper

43 100

58 33.5 25.4 38.0





#25

2-Butanone

Concen: 0.263 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016413.D

Acq: 22 May 2020 15:36

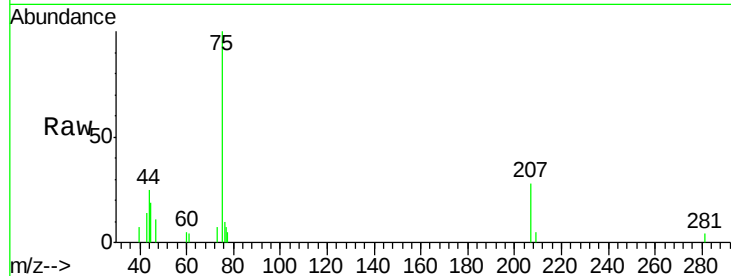
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 522

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.65

200

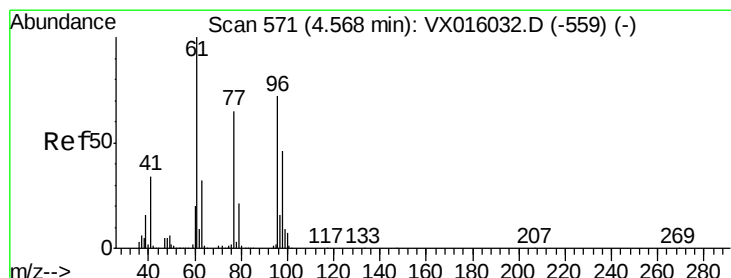
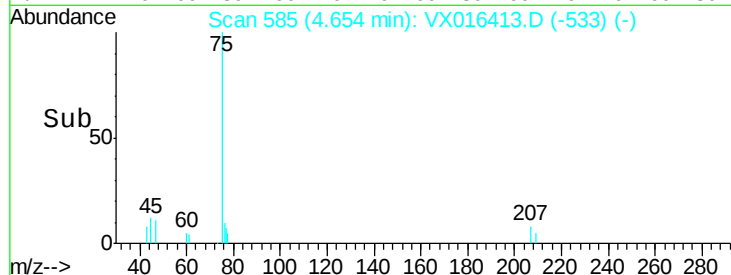
150

100

50

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.889 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016413.D

Acq: 22 May 2020 15:36

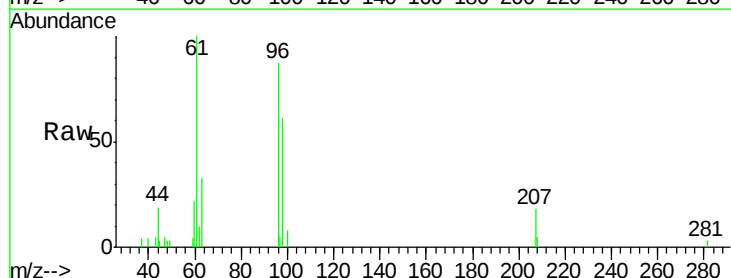
Tgt Ion: 96 Resp: 5015

Ion Ratio Lower Upper

96 100

61 113.7 0.0 296.2

98 59.5 0.0 129.4



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

2500

2000

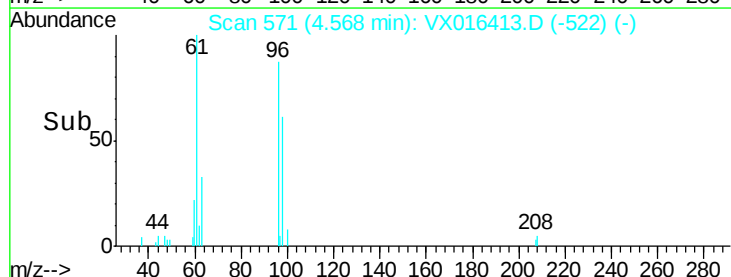
1500

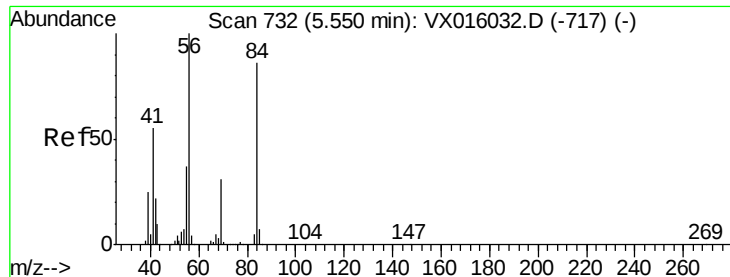
1000

500

0

Time-->

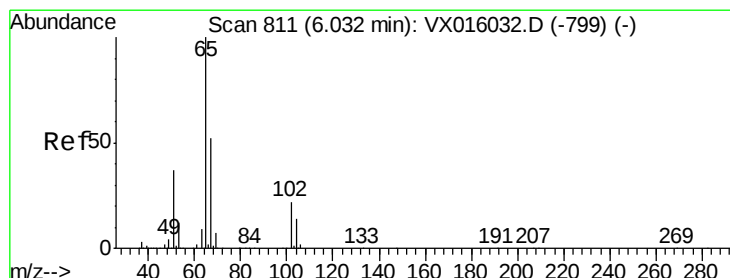
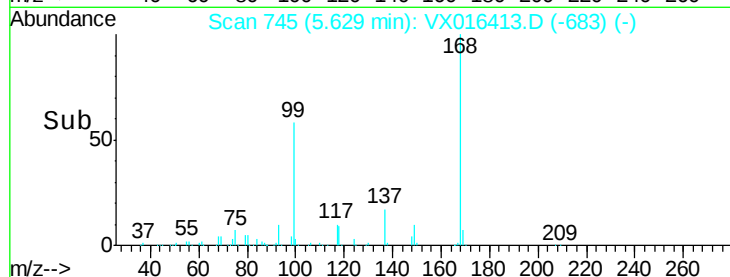
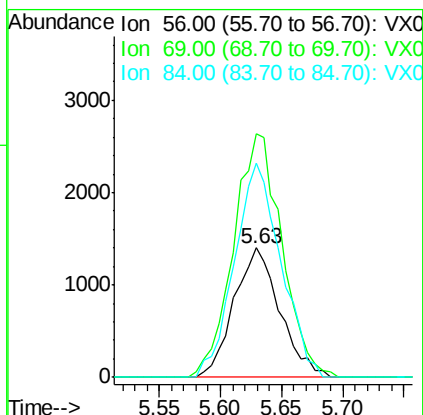
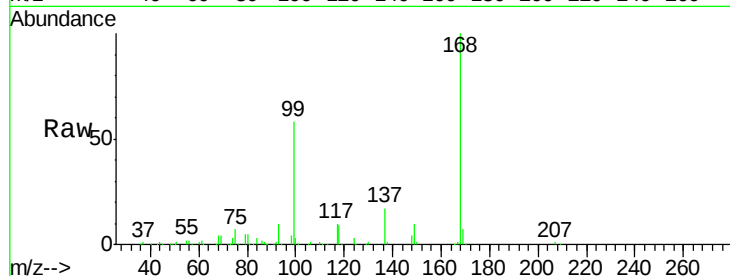




#31
Cyclohexane
Concen: 0.953 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016413.D
Acq: 22 May 2020 15:36

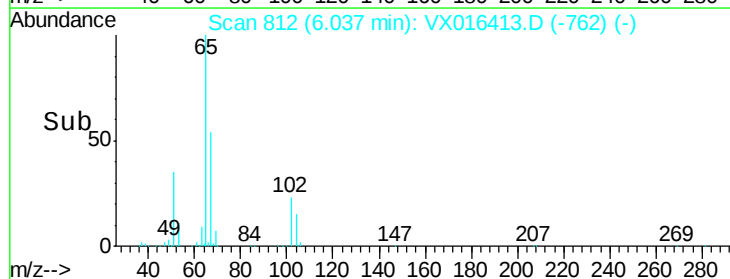
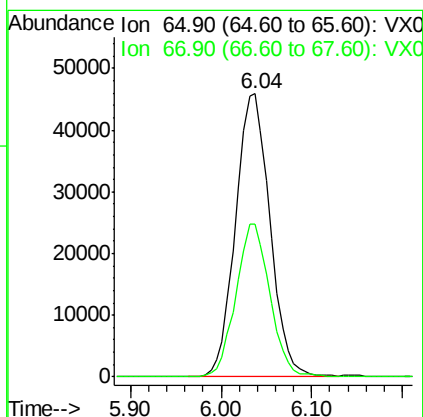
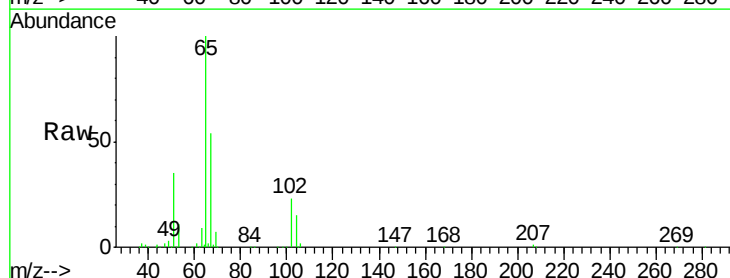
Instrument :
MSVOA_X
ClientSampleId :

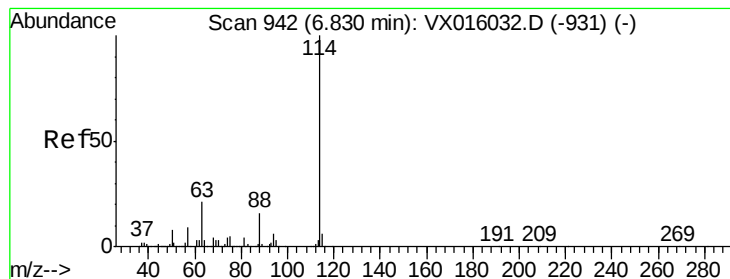
Tot Ion: 56 Resp: 3651
Ion Ratio Lower Upper
56 100
69 188.0 25.0 37.6#
84 165.0 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 43.789 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016413.D
Acq: 22 May 2020 15:36

Tgt Ion: 65 Resp: 120803
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016413.D

Acq: 22 May 2020 15:36

Instrument :

MSVOA_X

ClientSampleId :

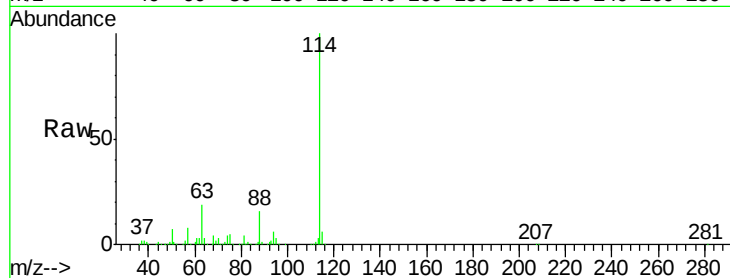
Tot Ion:114 Resp: 346061

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.8

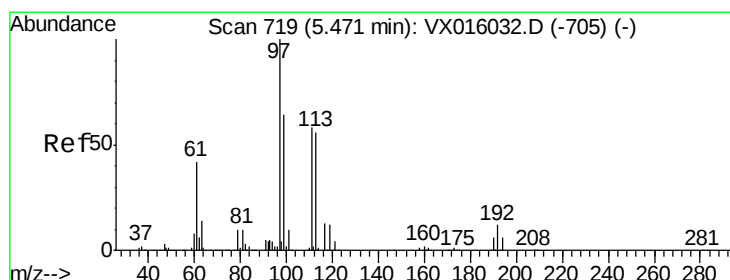
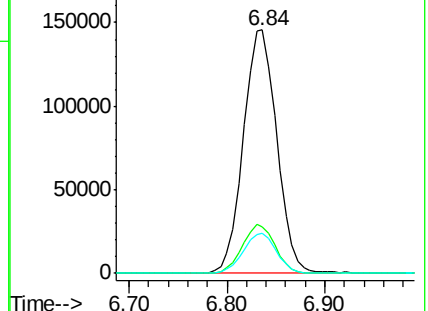
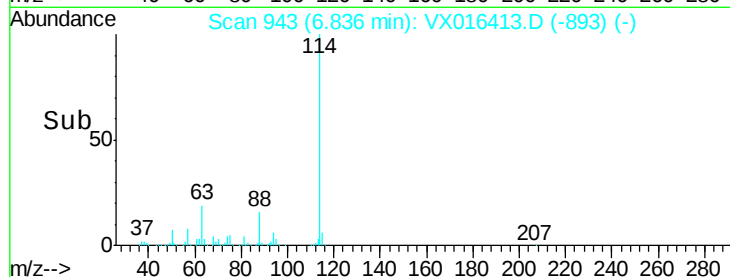
88 16.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.601 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016413.D

Acq: 22 May 2020 15:36

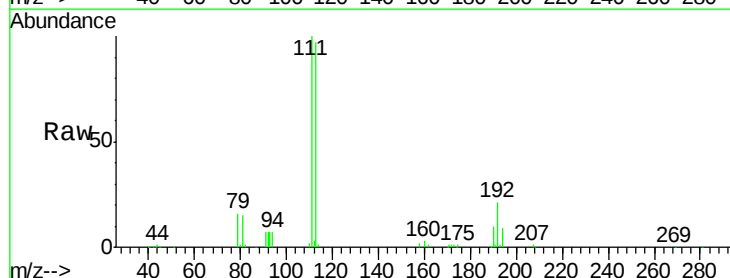
Tgt Ion:113 Resp: 102170

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

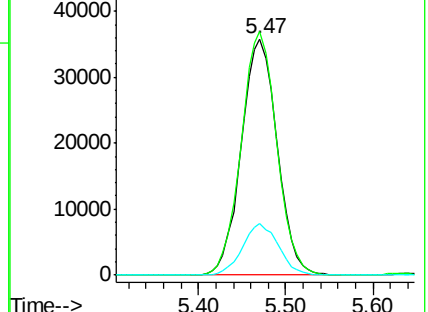
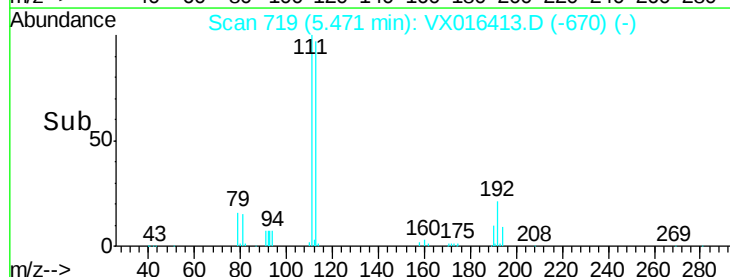
192 21.8 17.0 25.4

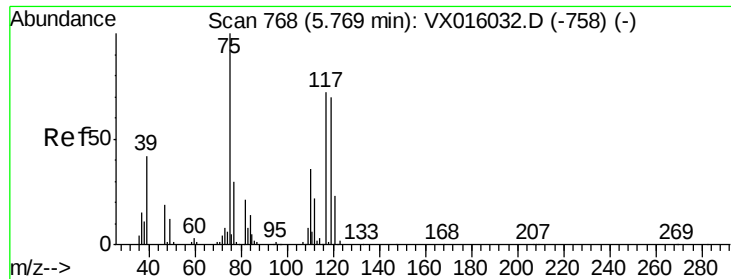


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

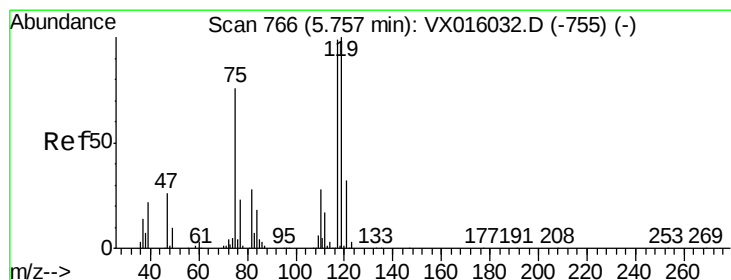
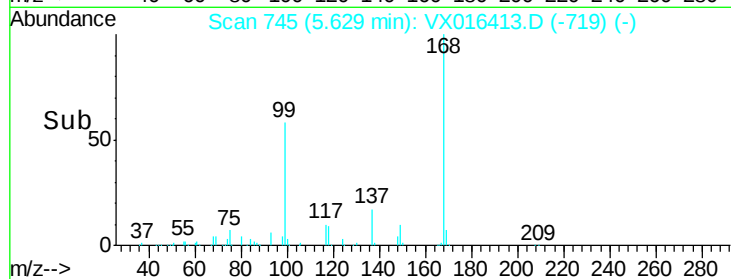
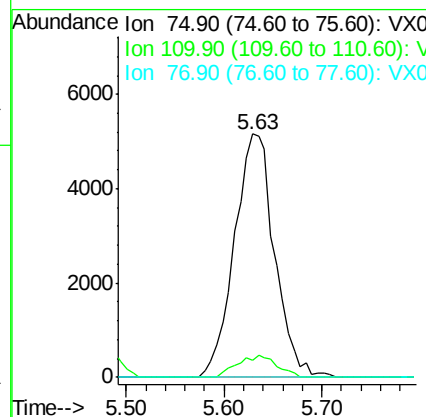
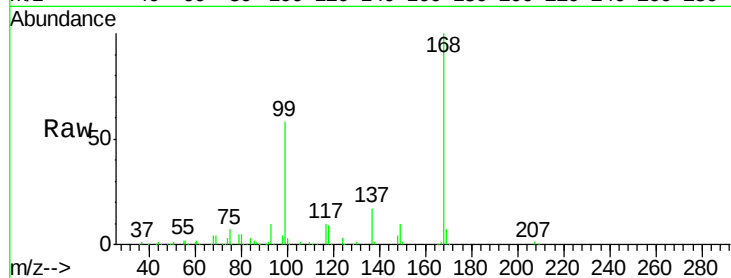




#36
 1,1-Dichloropropene
 Concen: 4.314 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016413.D
 Acq: 22 May 2020 15:36

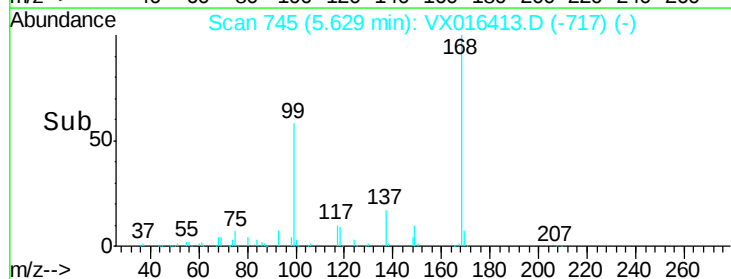
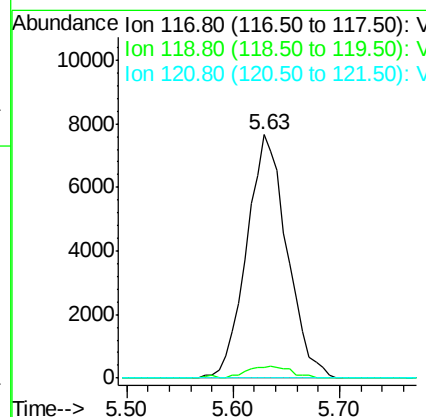
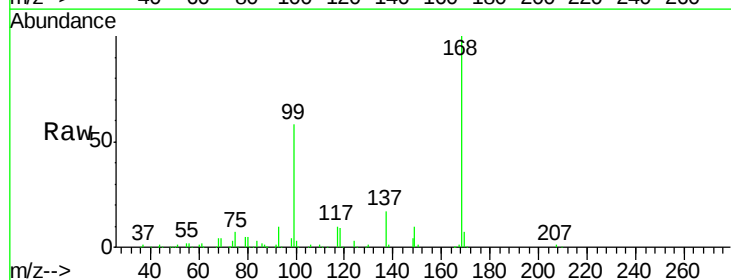
Instrument :
 MSVOA_X
 ClientSampleId :

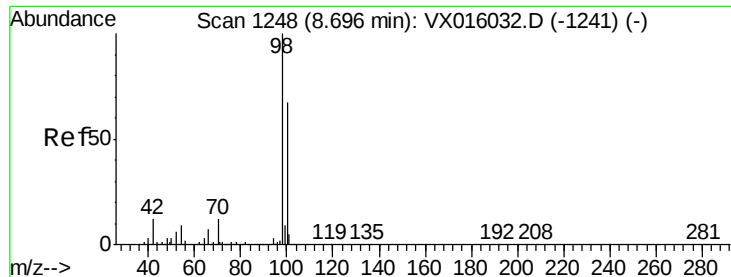
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.878 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016413.D
 Acq: 22 May 2020 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	80.3	120.5#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 50.514 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016413.D

Acq: 22 May 2020 15:36

Instrument :

MSVOA_X

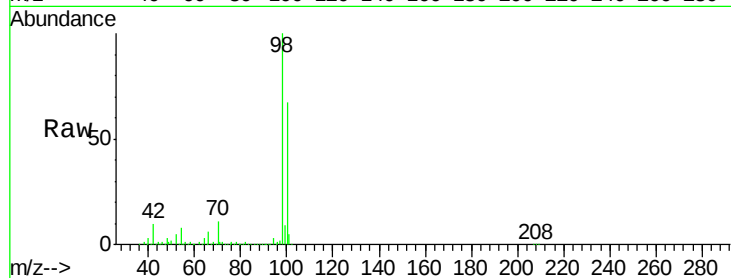
ClientSampleId :

Tot Ion: 98 Resp: 426725

Ion Ratio Lower Upper

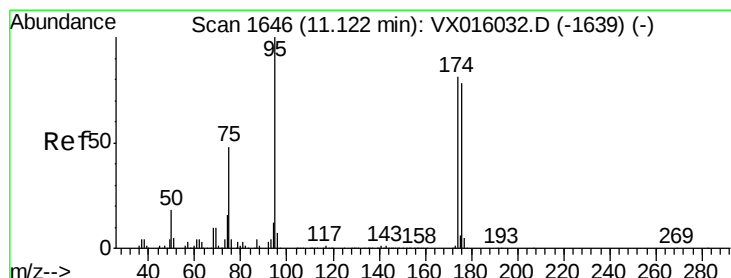
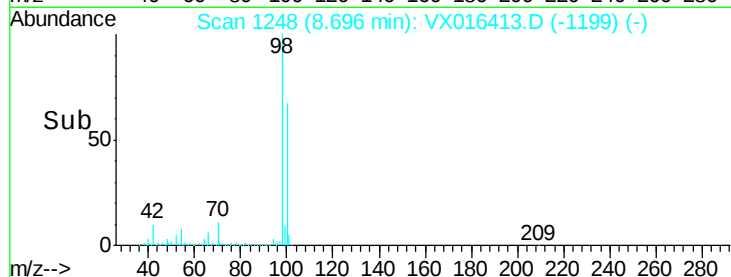
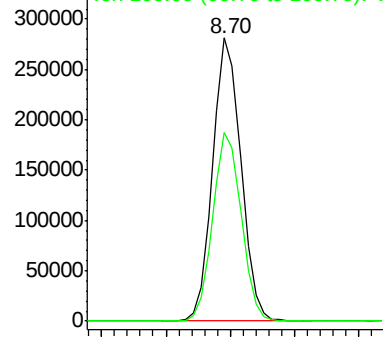
98 100

100 67.2 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 53.920 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016413.D

Acq: 22 May 2020 15:36

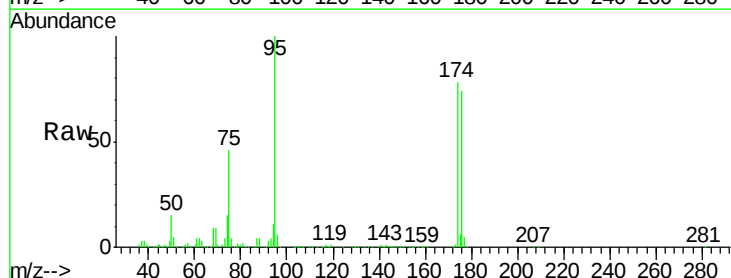
Tgt Ion: 95 Resp: 173249

Ion Ratio Lower Upper

95 100

174 81.1 0.0 159.4

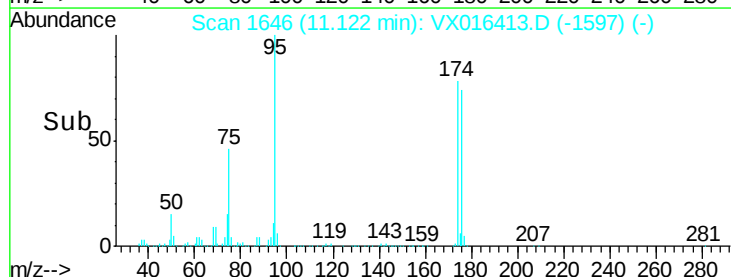
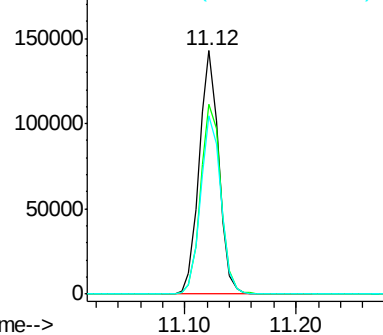
176 76.2 0.0 157.6

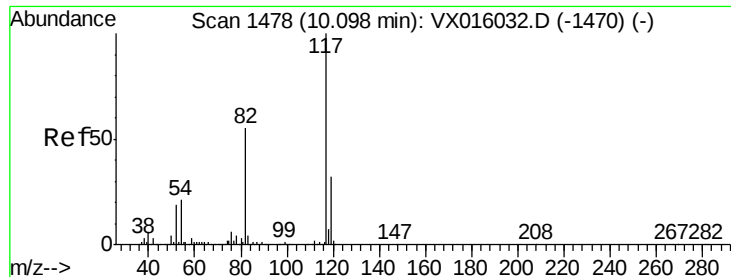


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

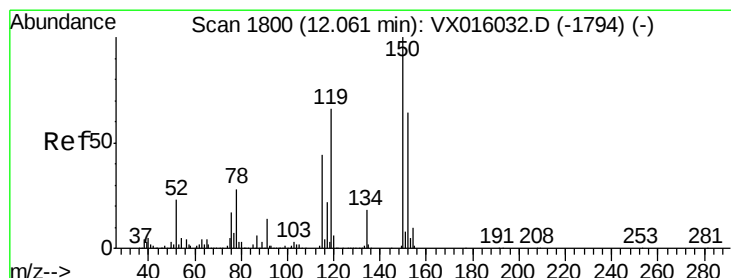
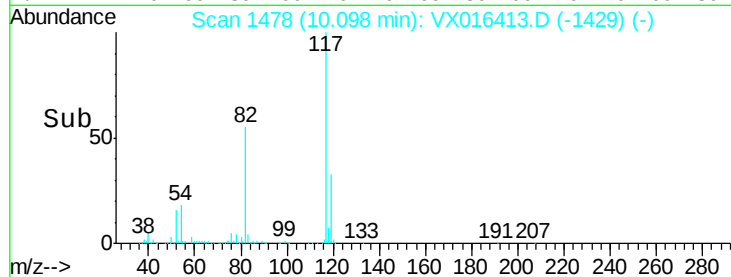
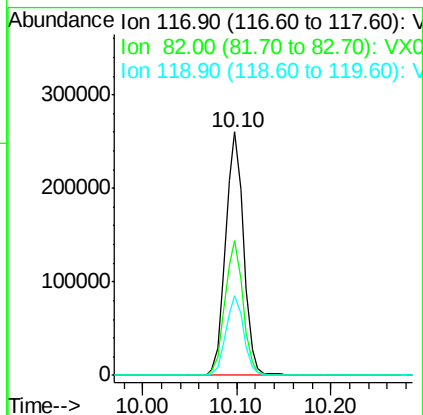
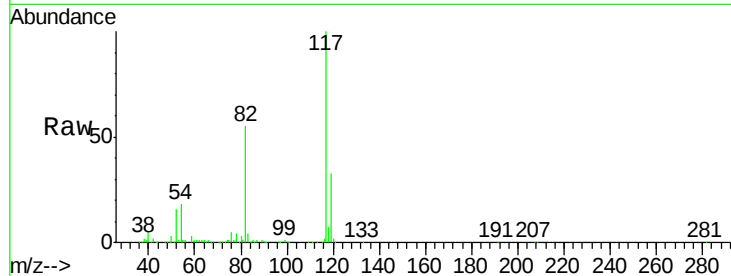




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016413.D
Acq: 22 May 2020 15:36

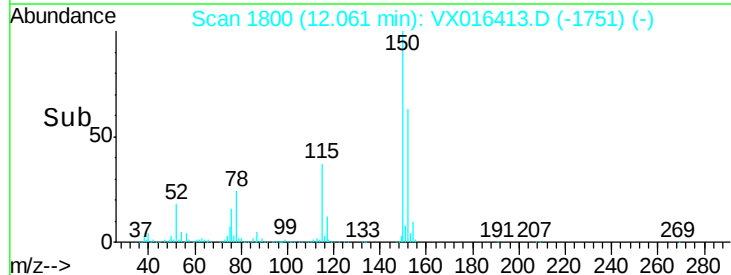
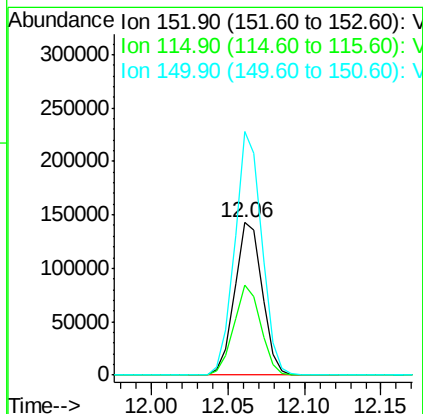
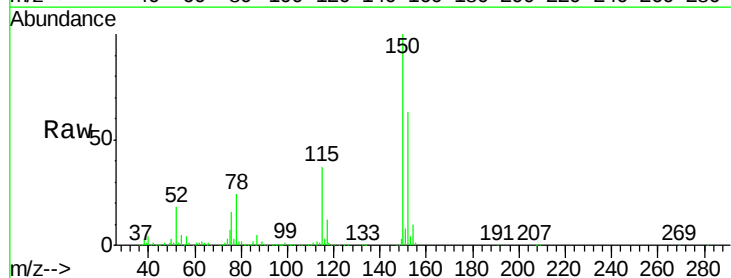
Instrument :
MSVOA_X
ClientSampleId :

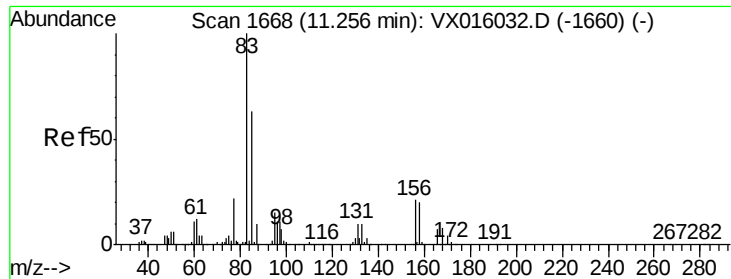
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.4	66.6
119	32.5	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016413.D
Acq: 22 May 2020 15:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	41.3	124.1
150	156.0	0.0	352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.072 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016413.D

Acq: 22 May 2020 15:36

Instrument :

MSVOA_X

ClientSampled :

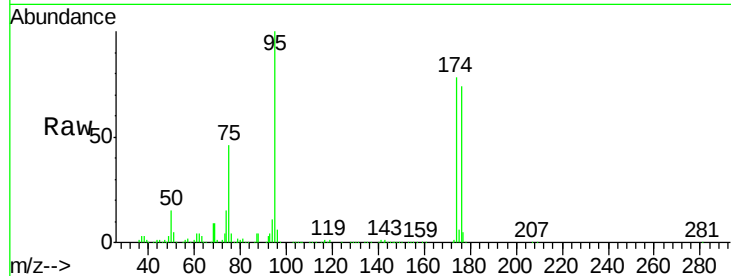
Tot Ion: 83 Resp: 57

Ion Ratio Lower Upper

83 100

131 396.5 5.1 15.4#

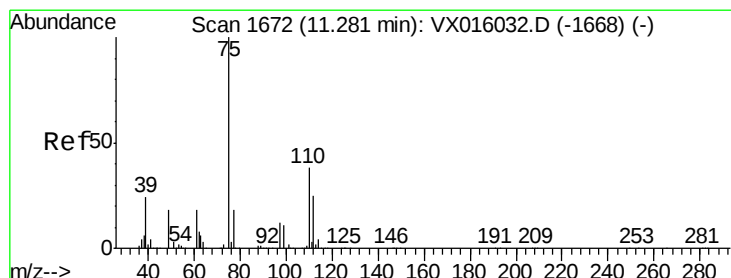
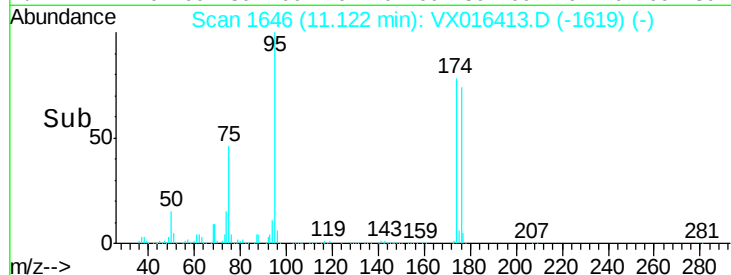
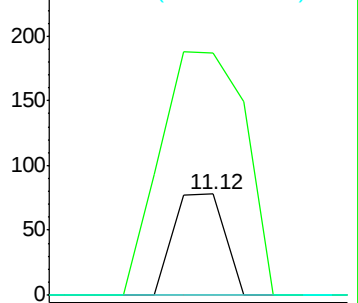
85 0.0 32.0 96.0#



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: 20.172 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016413.D

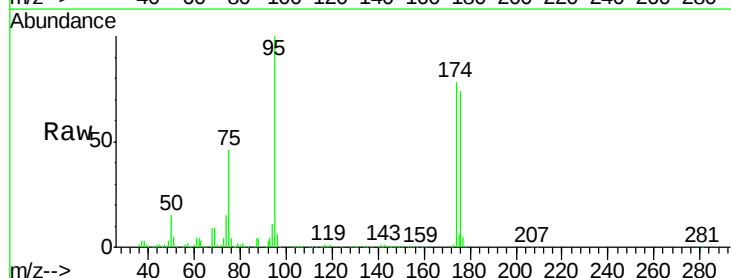
Acq: 22 May 2020 15:36

Tgt Ion: 75 Resp: 81726

Ion Ratio Lower Upper

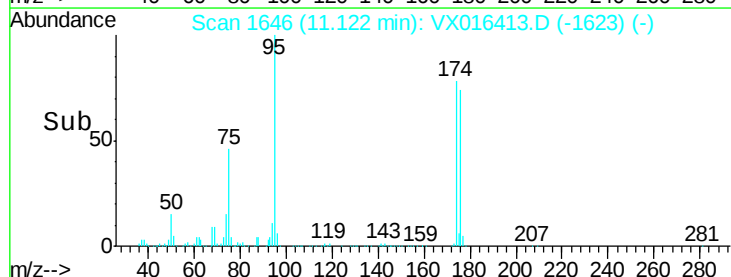
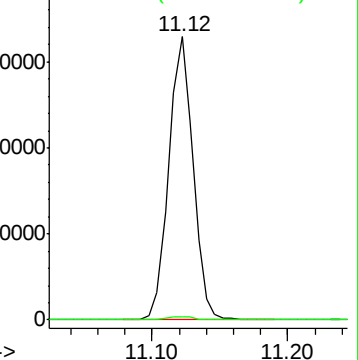
75 100

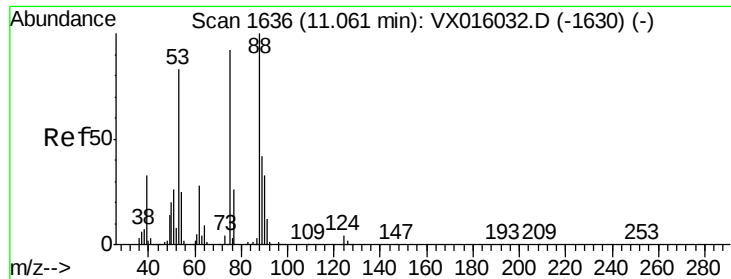
77 1.2 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

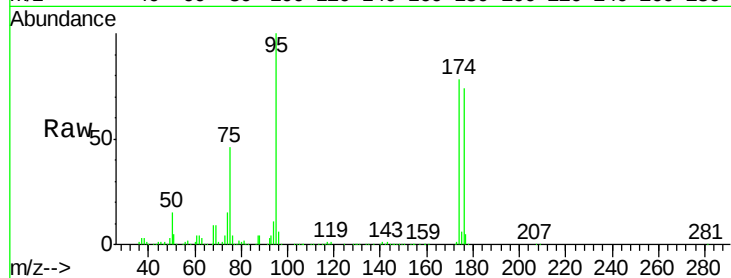




#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.072 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016413.D
 Acq: 22 May 2020 15:36

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 81726
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 36.7 55.1#



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

