

Data File : VX016753.D
Acq On : 15 Jun 2020 14:41
Operator : JC/SP
Sample : VX0615WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBL01

Quant Time: Jun 16 03:08:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	254159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	389711	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	388936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	189800	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	139459	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	5.46	113	119202	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	8.70	98	472611	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
62) 4-Bromofluorobenzene	11.12	95	188480	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	

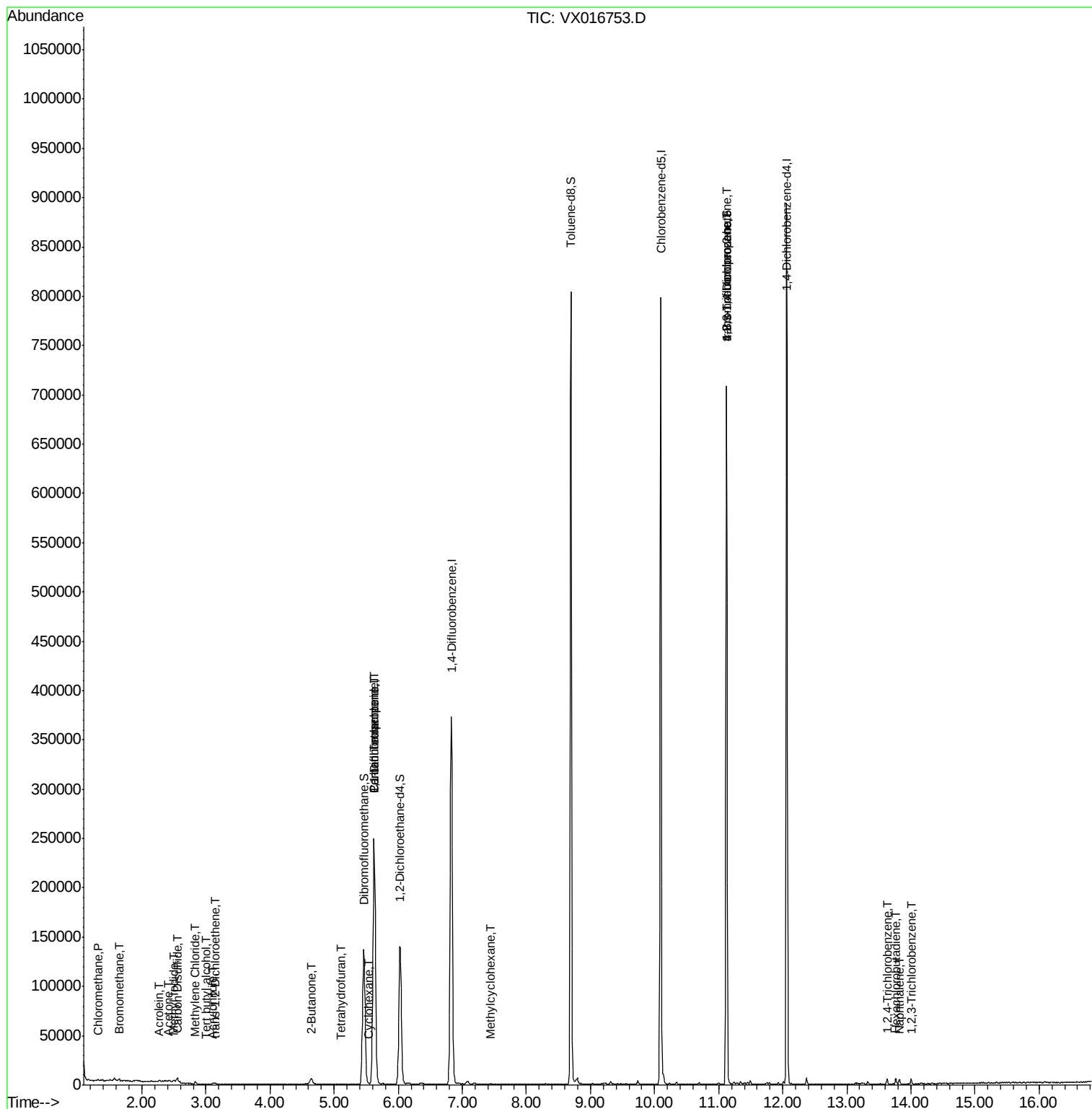
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	777	0.280	ug/l	97
5) Bromomethane	1.65	94	1192	0.648	ug/l #	53
10) Methyl Iodide	2.50	142	1360	0.502	ug/l #	97
11) Tert butyl alcohol	3.00	59	229	0.319	ug/l #	73
13) Acrolein	2.28	56	644	4.392	ug/l #	70
15) Acrylonitrile	3.10	53	722	0.495	ug/l #	89
16) Acetone	2.42	43	1393	1.074	ug/l #	78
17) Carbon Disulfide	2.55	76	4145	0.583	ug/l	95
20) Methylene Chloride	2.83	84	775	0.277	ug/l #	92
21) trans-1,2-Dichloroethene	3.14	96	572	0.214	ug/l #	70
25) 2-Butanone	4.65	43	595	0.304	ug/l #	44
29) Tetrahydrofuran	5.10	42	514	0.406	ug/l #	28
31) Cyclohexane	5.55	56	211	0.751	ug/l #	46
36) 1,1-Dichloropropene	5.62	75	16794	4.876	ug/l #	50
38) Carbon Tetrachloride	5.62	117	23573	6.027	ug/l #	16
39) Methylcyclohexane	7.44	83	289	1.024	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	89946	22.535	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89946	56.731	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.63	180	1657	0.398	ug/l	98
94) Hexachlorobutadiene	13.76	225	1031	0.972	ug/l	92
95) Naphthalene	13.82	128	3401	0.261	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	1440	0.351	ug/l	91

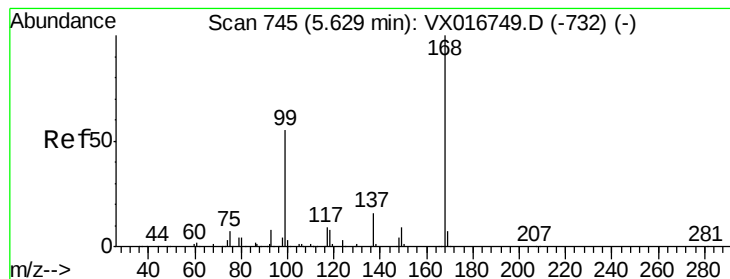
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX016753.D
Acq On : 15 Jun 2020 14:41
Operator : JC/SP
Sample : VX0615WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBL01

Quant Time: Jun 16 03:08:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

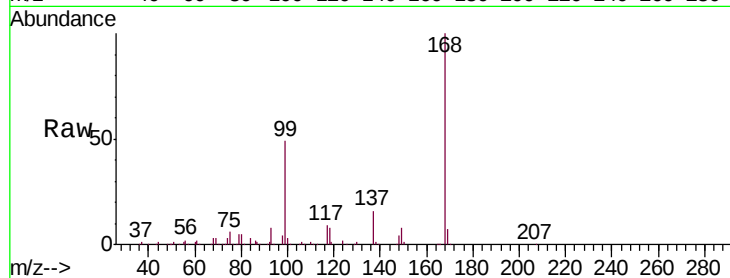
VX0615WBL01

Tgt Ion:168 Resp: 254159

Ion Ratio Lower Upper

168 100

99 49.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

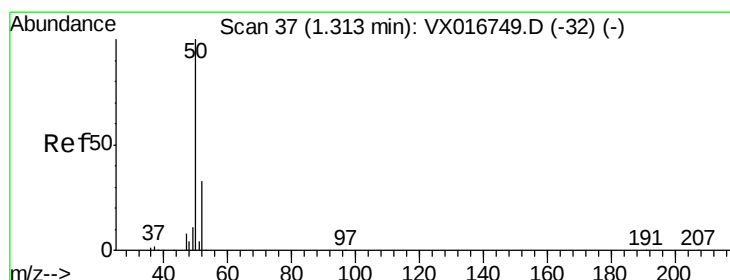
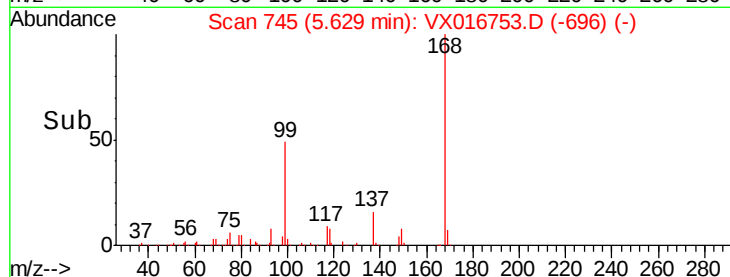
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.280 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016753.D

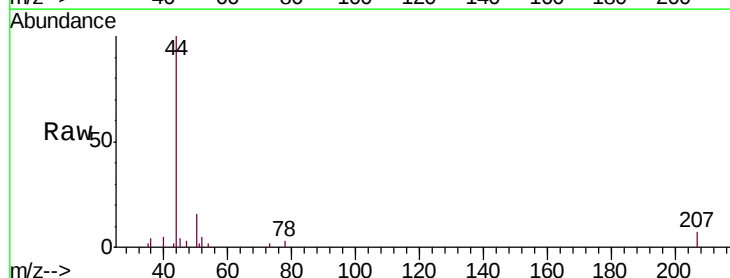
Acq: 15 Jun 2020 14:41

Tgt Ion: 50 Resp: 777

Ion Ratio Lower Upper

50 100

52 34.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

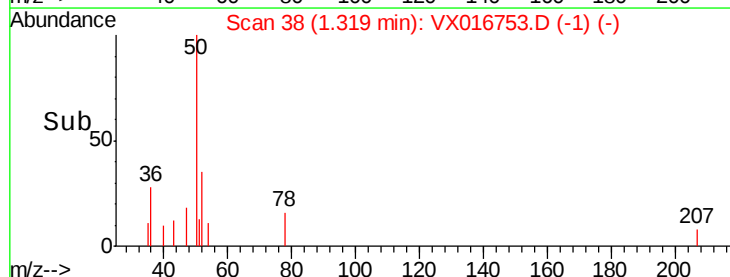
200

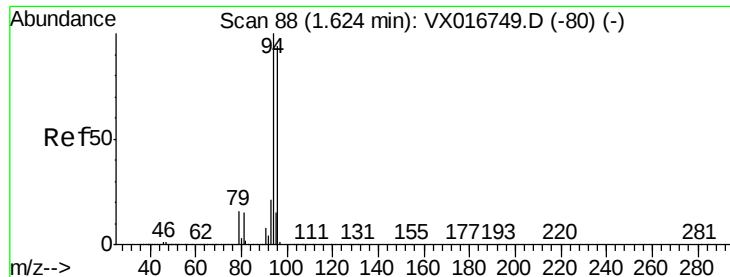
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.648 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

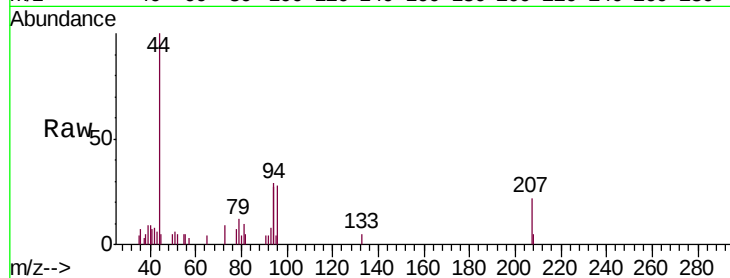
VX0615WBL01

Tgt Ion: 94 Resp: 1192

Ion Ratio Lower Upper

94 100

96 49.1 75.4 113.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

800

600

400

200

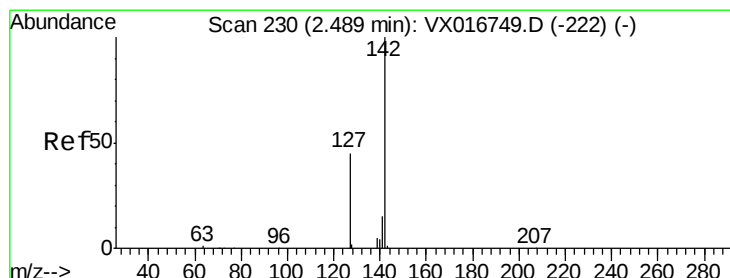
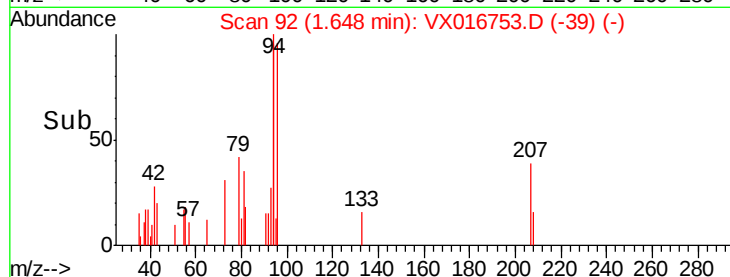
0

1.60

1.65

1.70

Time-->



#10

Methyl Iodide

Concen: 0.502 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

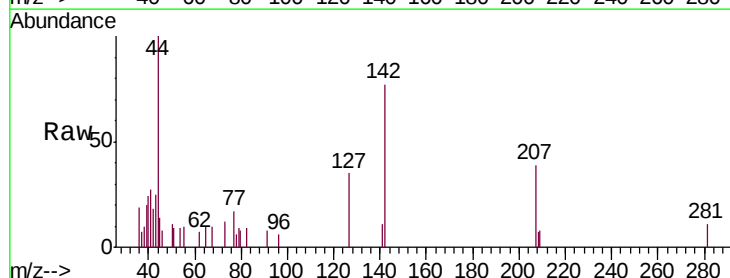
Tgt Ion: 142 Resp: 1360

Ion Ratio Lower Upper

142 100

127 45.3 35.4 53.2

141 11.0 11.7 17.5#



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

800

600

400

200

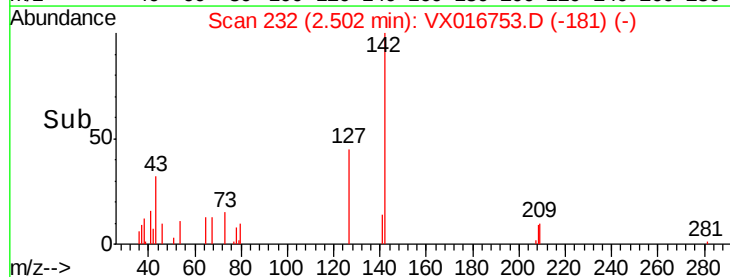
0

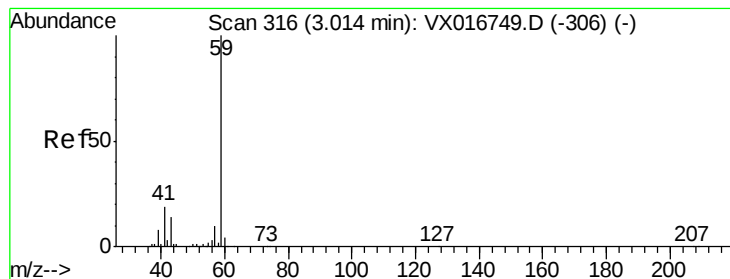
2.45

2.50

2.55

Time-->





#11

Tert butyl alcohol

Concen: 0.319 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

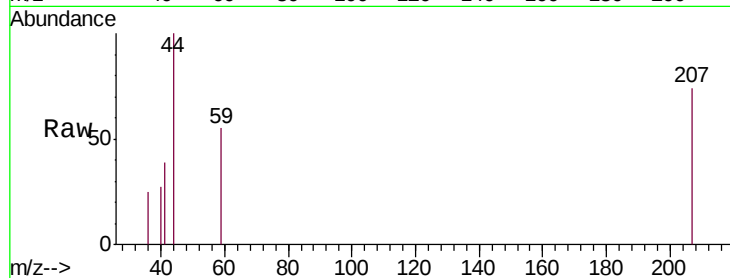
VX0615WBL01

Tgt Ion: 59 Resp: 229

Ion Ratio Lower Upper

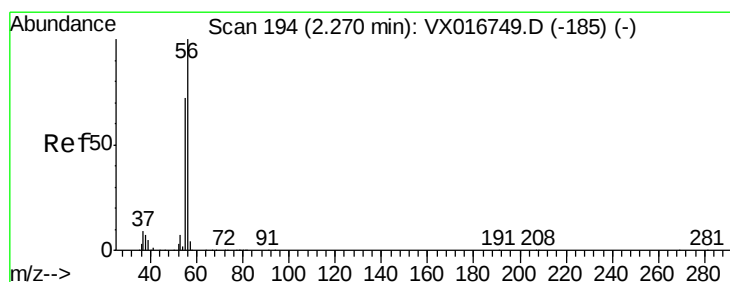
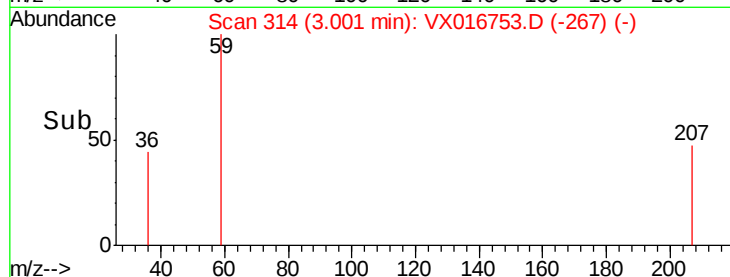
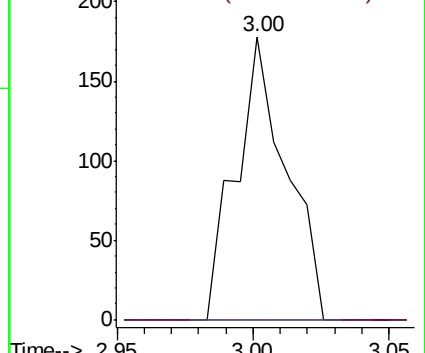
59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 4.392 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016753.D

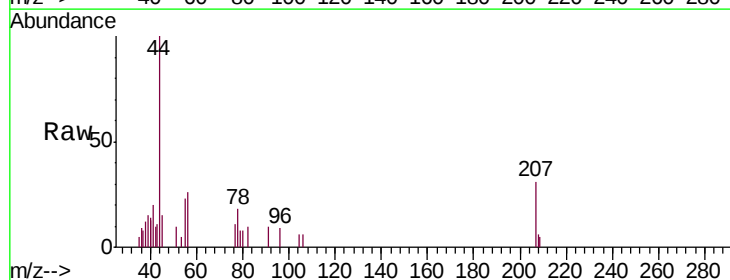
Acq: 15 Jun 2020 14:41

Tgt Ion: 56 Resp: 644

Ion Ratio Lower Upper

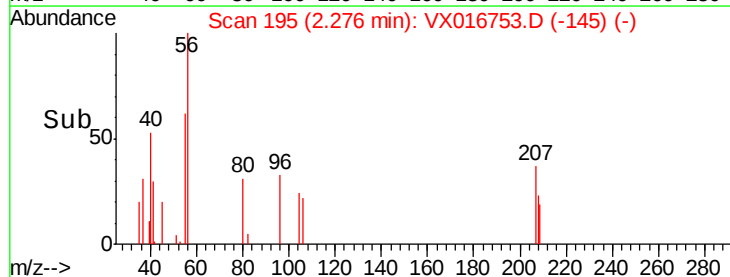
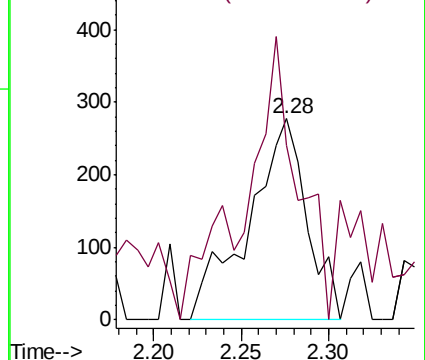
56 100

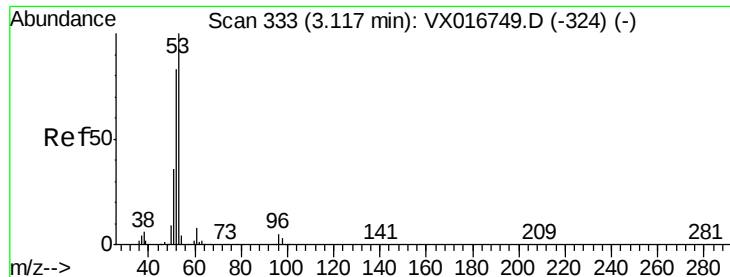
55 98.1 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.495 ug/l

RT: 3.10 min Scan# 330

Delta R.T. -0.02 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBL01

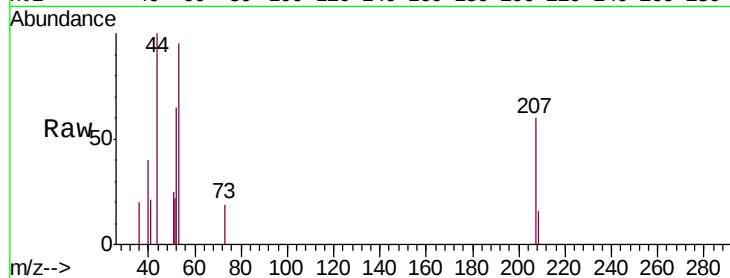
Tgt Ion: 53 Resp: 722

Ion Ratio Lower Upper

53 100

52 90.7 65.5 98.3

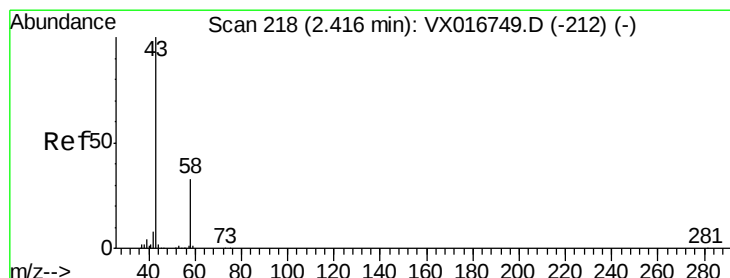
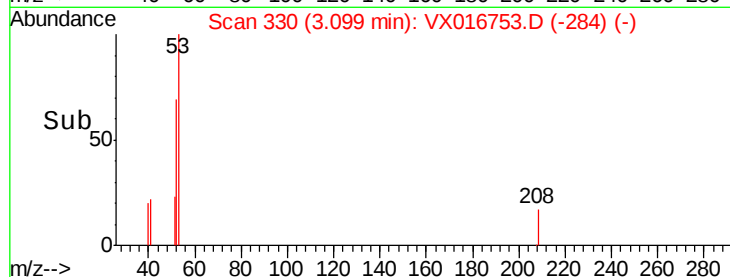
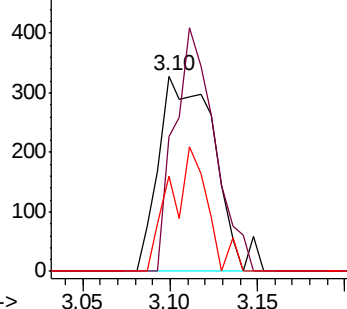
51 43.2 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.074 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016753.D

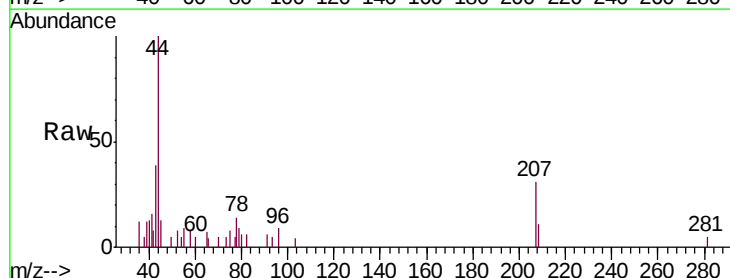
Acq: 15 Jun 2020 14:41

Tgt Ion: 43 Resp: 1393

Ion Ratio Lower Upper

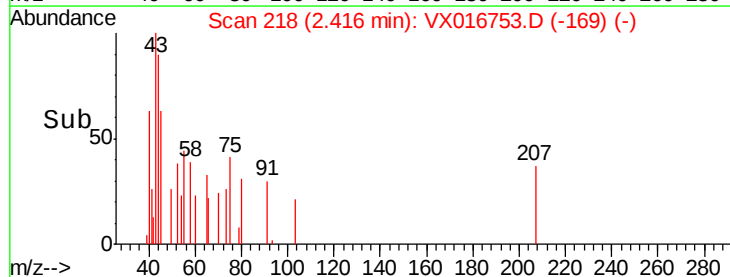
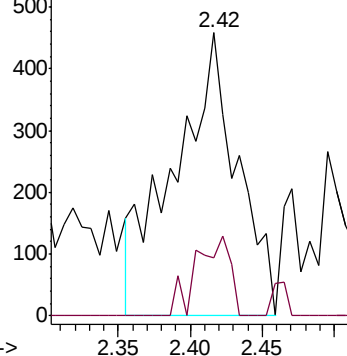
43 100

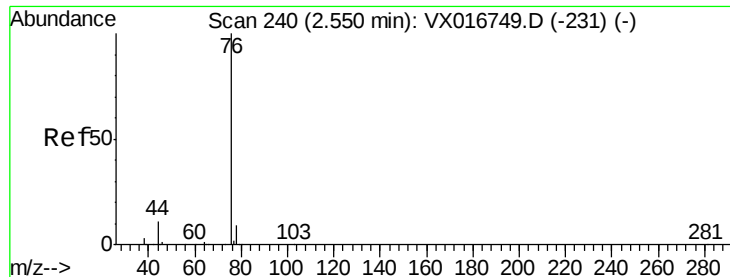
58 20.3 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.583 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

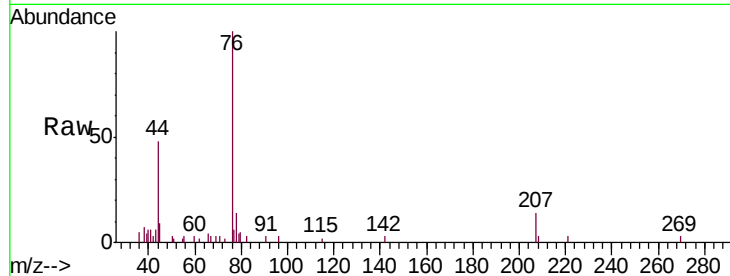
VX0615WBL01

Tgt Ion: 76 Resp: 4145

Ion Ratio Lower Upper

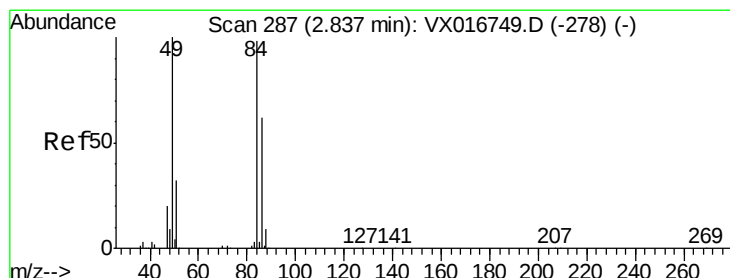
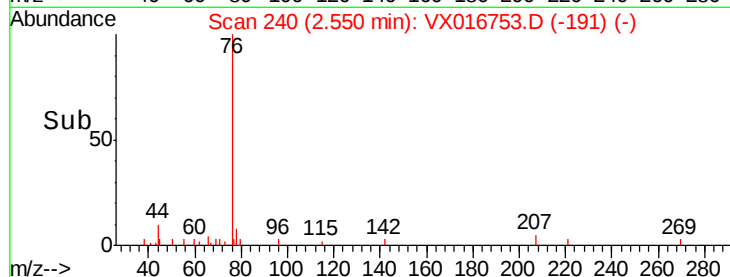
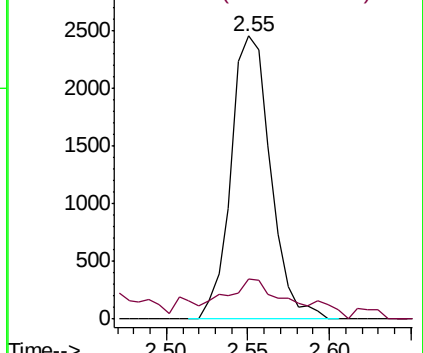
76 100

78 10.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.277 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

Tgt Ion: 84 Resp: 775

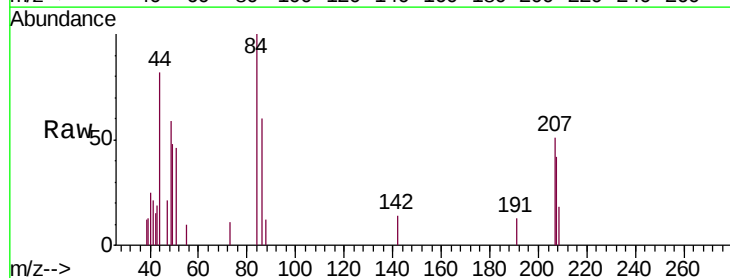
Ion Ratio Lower Upper

84 100

49 106.7 81.8 122.8

51 46.4 25.8 38.8#

86 60.1 50.4 75.6

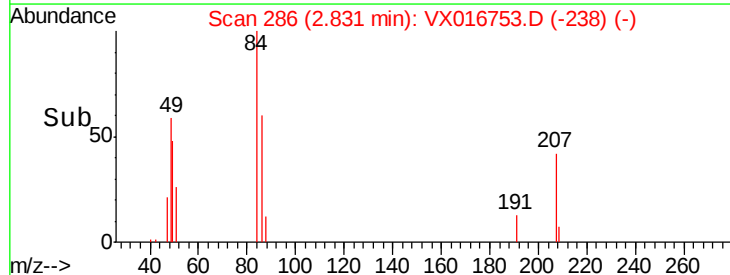
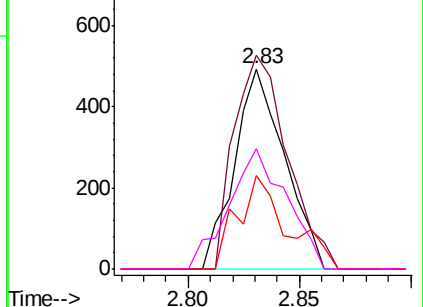


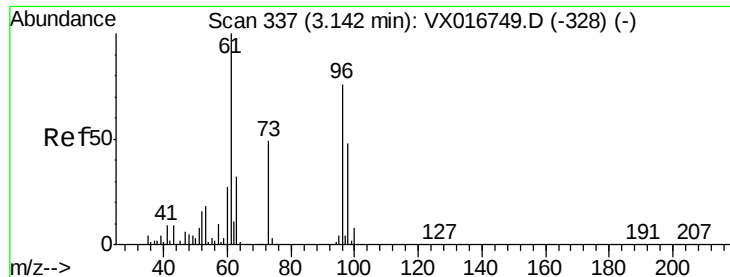
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.214 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBL01

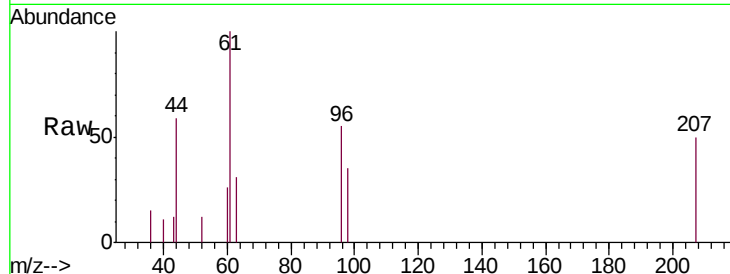
Tgt Ion: 96 Resp: 572

Ion Ratio Lower Upper

96 100

61 182.5 105.4 158.2#

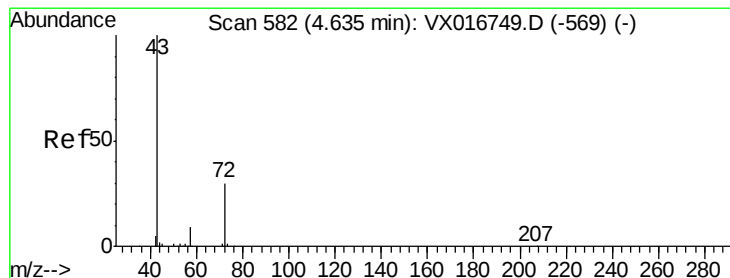
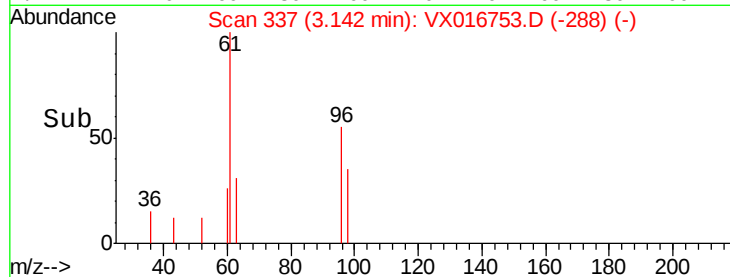
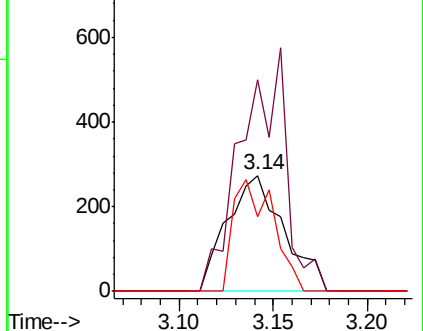
98 64.6 50.8 76.2



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



#25

2-Butanone

Concen: 0.304 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016753.D

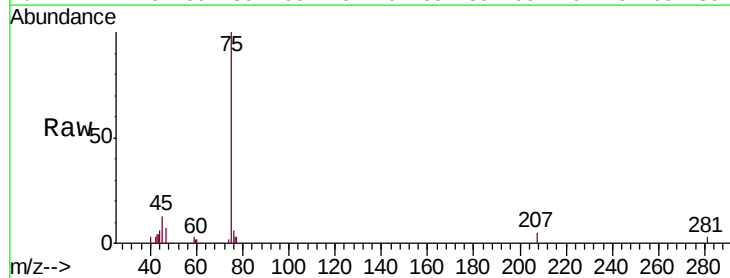
Acq: 15 Jun 2020 14:41

Tgt Ion: 43 Resp: 595

Ion Ratio Lower Upper

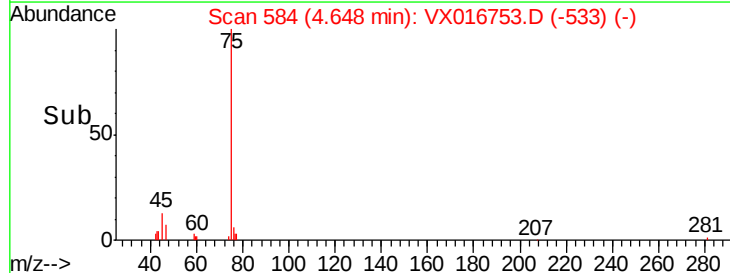
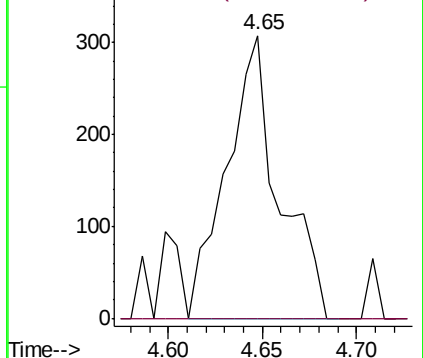
43 100

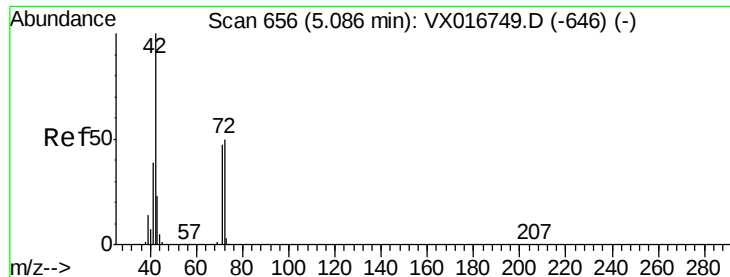
72 0.0 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.406 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBL01

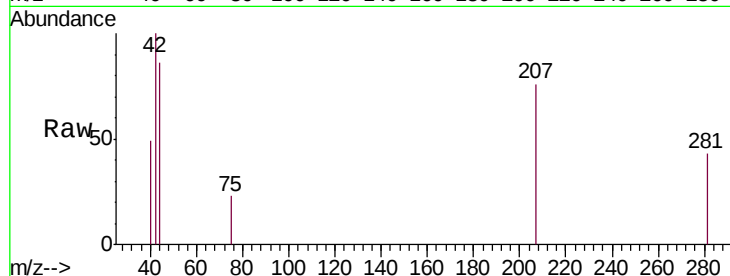
Tgt Ion: 42 Resp: 514

Ion Ratio Lower Upper

42 100

72 0.0 41.0 61.6#

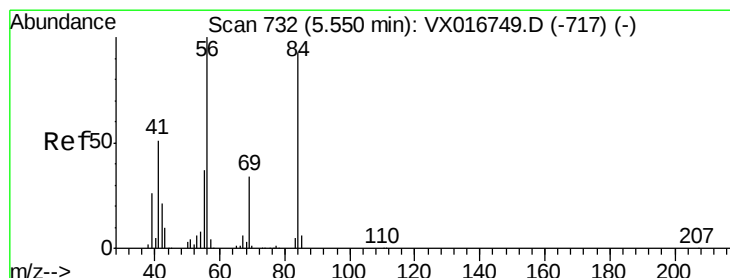
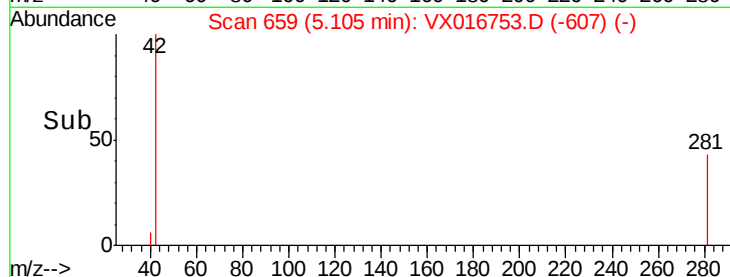
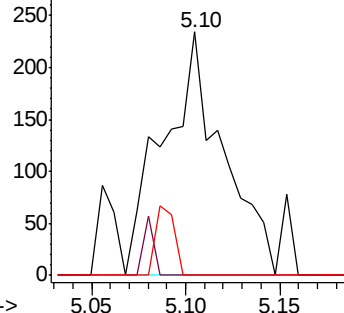
71 0.0 38.2 57.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.751 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

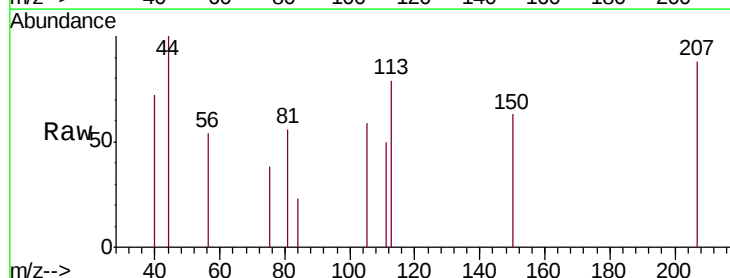
Tgt Ion: 56 Resp: 211

Ion Ratio Lower Upper

56 100

69 0.0 27.1 40.7#

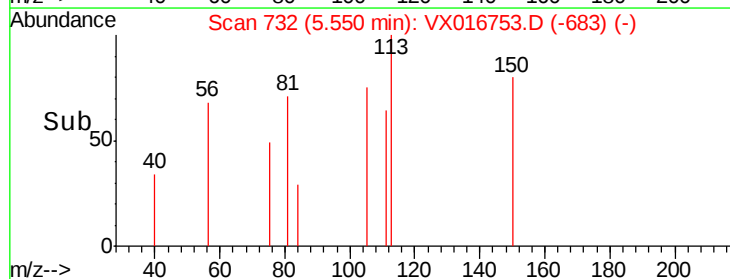
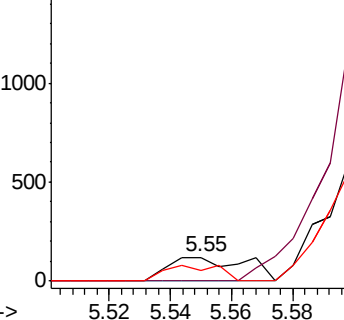
84 43.0 74.0 111.0#

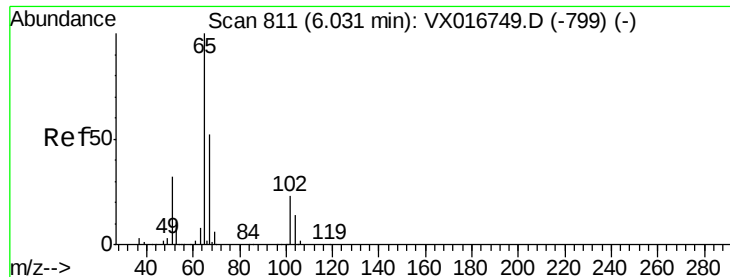


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.786 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

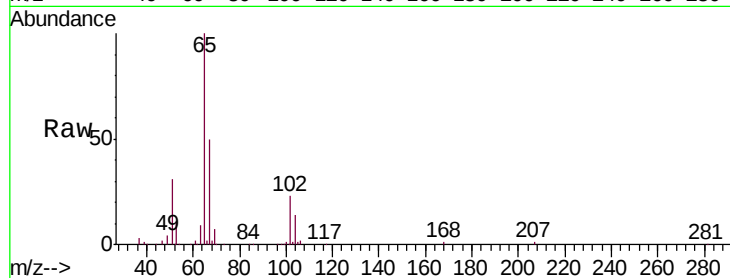
VX0615WBL01

Tgt Ion: 65 Resp: 139459

Ion Ratio Lower Upper

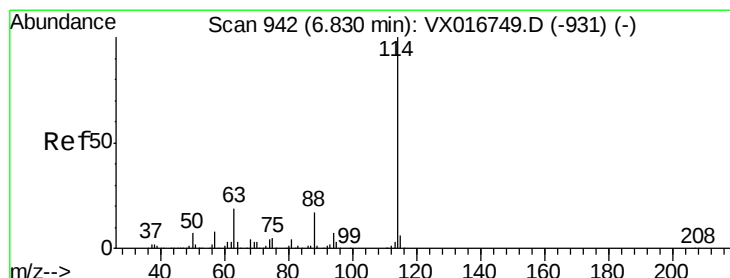
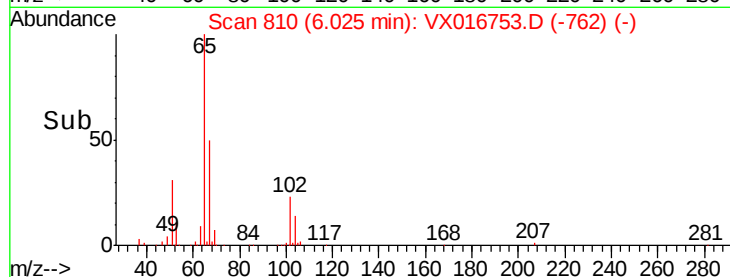
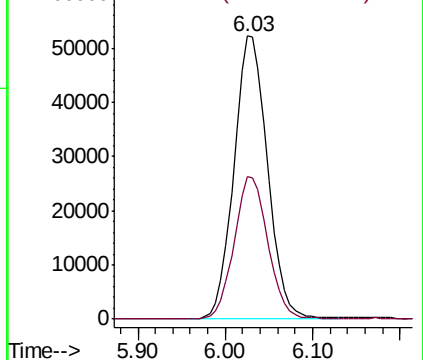
65 100

67 50.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

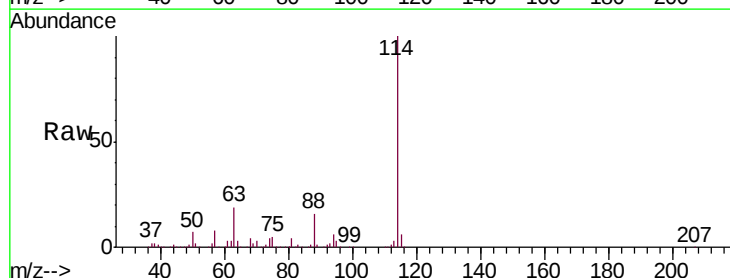
Tgt Ion: 114 Resp: 389711

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.8

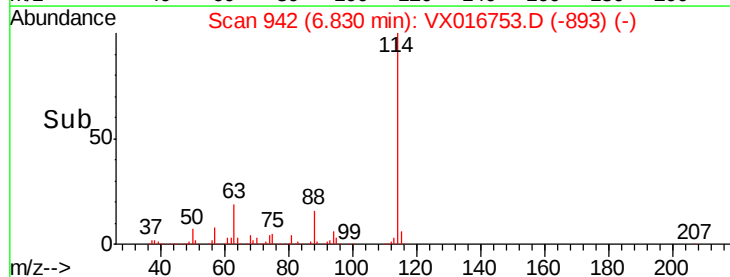
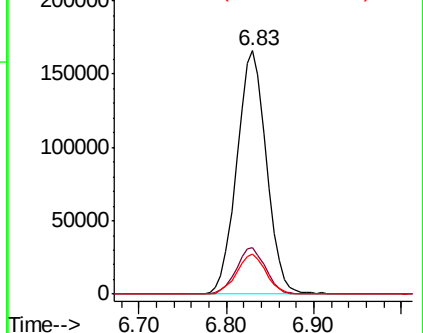
88 16.4 0.0 33.4

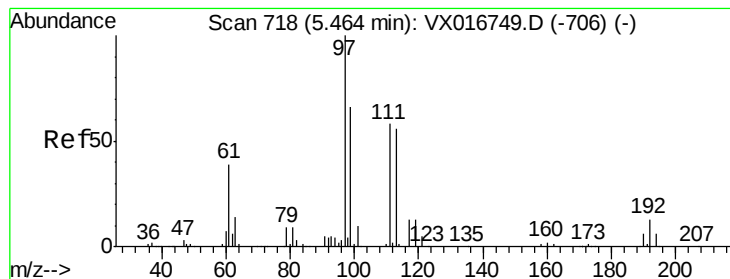


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.576 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBL01

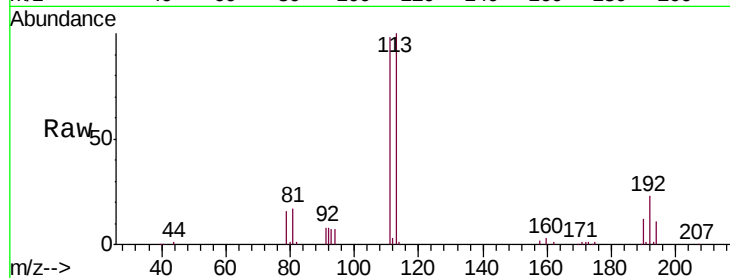
Tgt Ion:113 Resp: 119202

Ion Ratio Lower Upper

113 100

111 100.6 81.8 122.6

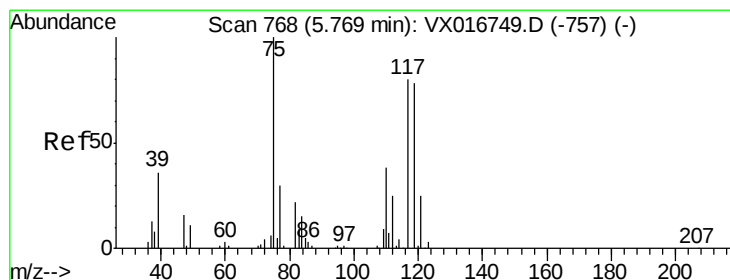
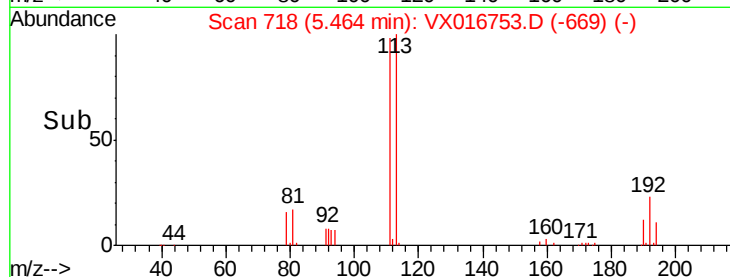
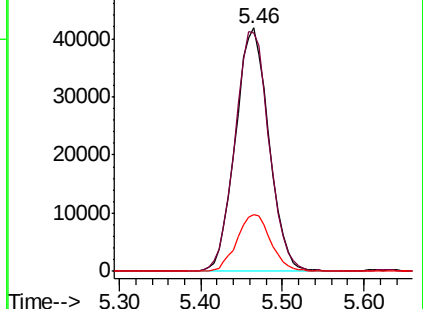
192 23.5 18.2 27.4



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: 4.876 ug/l

RT: 5.62 min Scan# 743

Delta R.T. -0.15 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

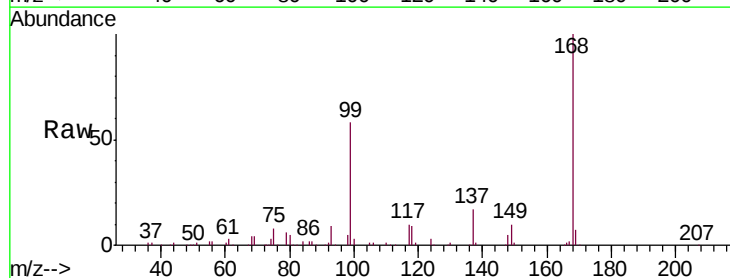
Tgt Ion: 75 Resp: 16794

Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.2#

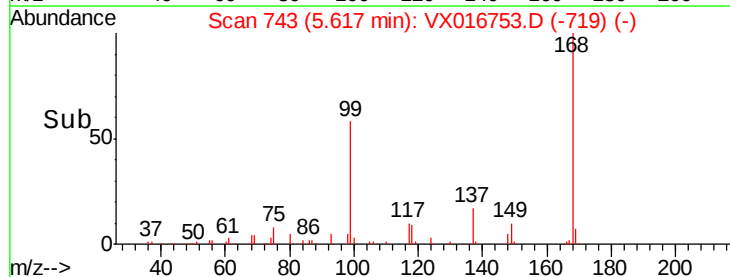
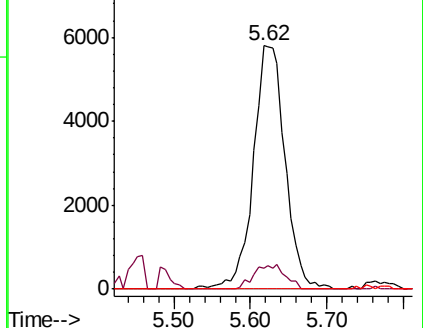
77 0.0 24.7 37.1#

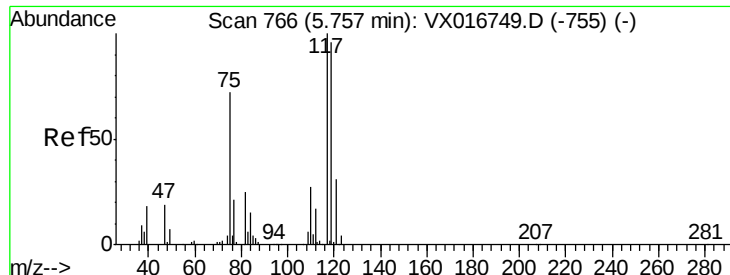


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.027 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

Instrument :

MSVOA_X

ClientSampled :

VX0615WBL01

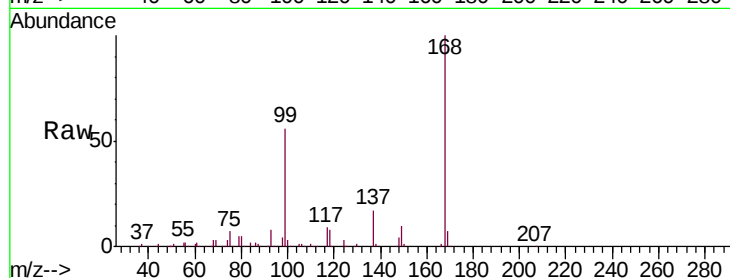
Tgt Ion:117 Resp: 23573

Ion Ratio Lower Upper

117 100

119 4.9 76.7 115.1#

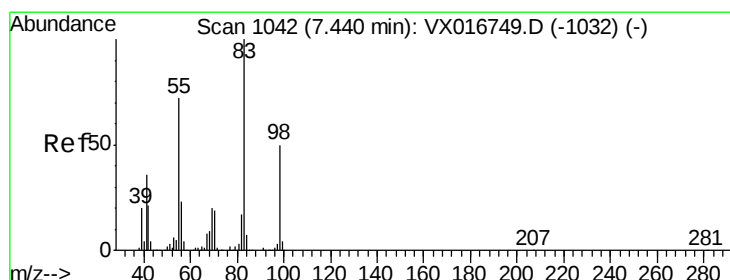
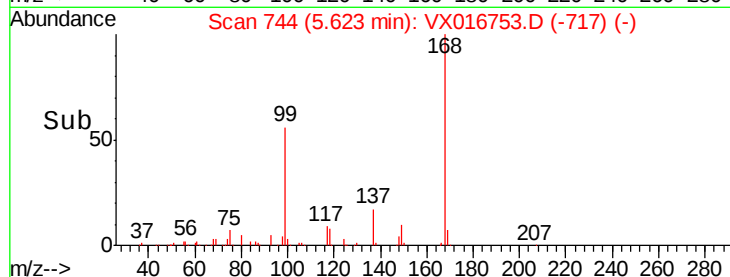
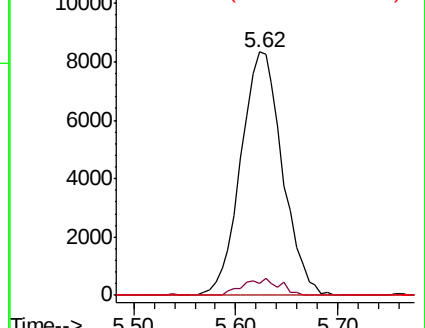
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.024 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX016753.D

Acq: 15 Jun 2020 14:41

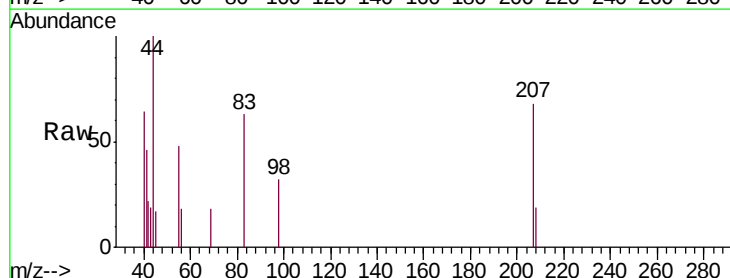
Tgt Ion: 83 Resp: 289

Ion Ratio Lower Upper

83 100

55 75.8 57.3 85.9

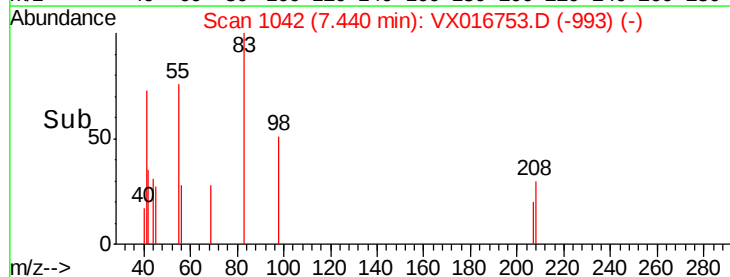
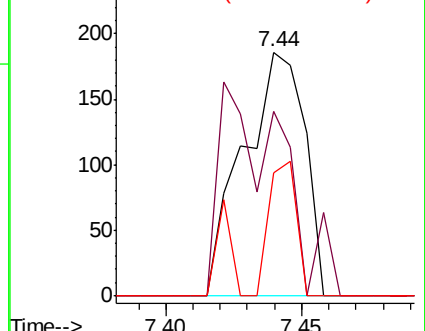
98 50.5 40.3 60.5

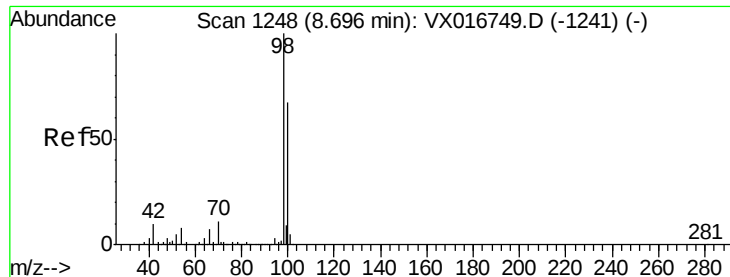


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

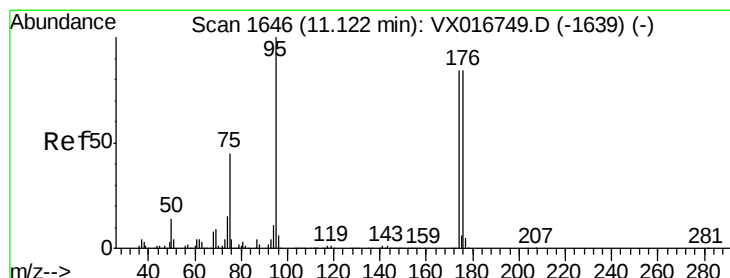
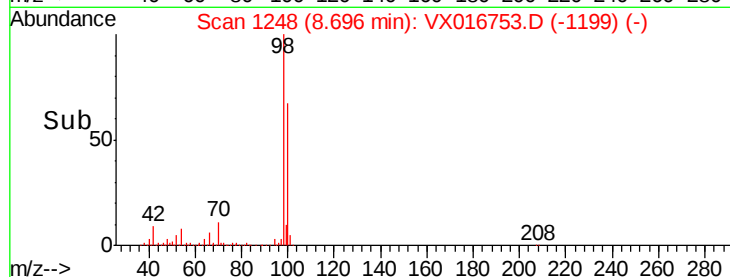
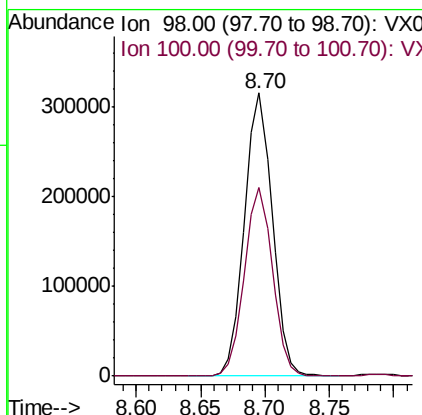
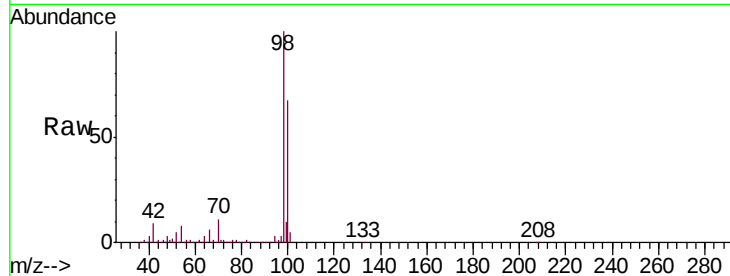




#50
Toluene-d8
Concen: 53.307 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016753.D
Acq: 15 Jun 2020 14:41

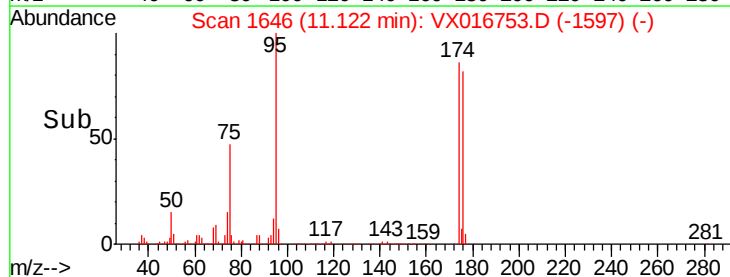
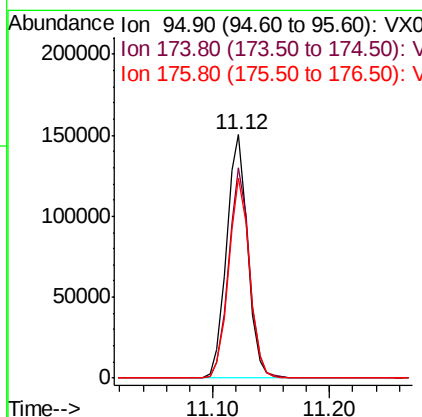
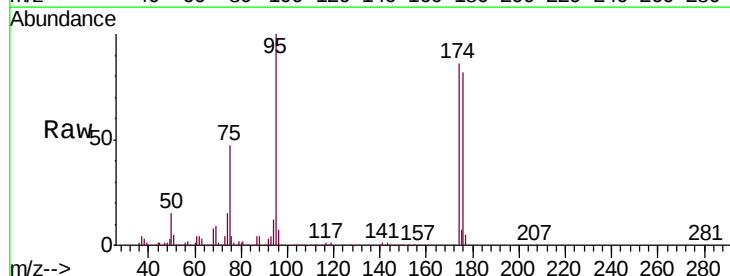
Instrument :
MSVOA_X
ClientSampleId :
VX0615WBL01

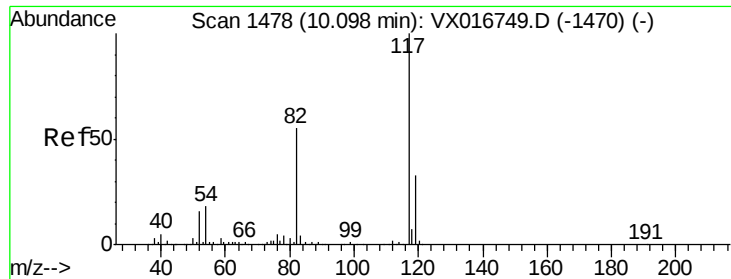
Tgt Ion: 98 Resp: 472611
Ion Ratio Lower Upper
98 100
100 67.0 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 55.579 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016753.D
Acq: 15 Jun 2020 14:41

Tgt Ion: 95 Resp: 188480
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.0
176 82.2 0.0 166.2

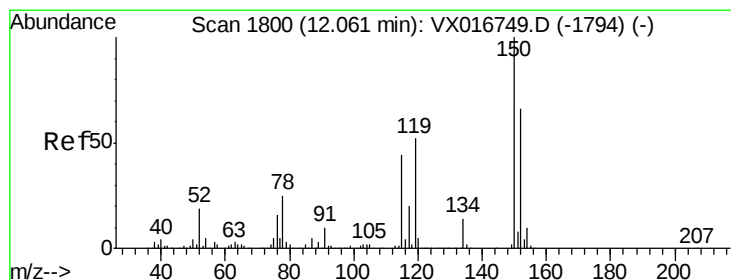
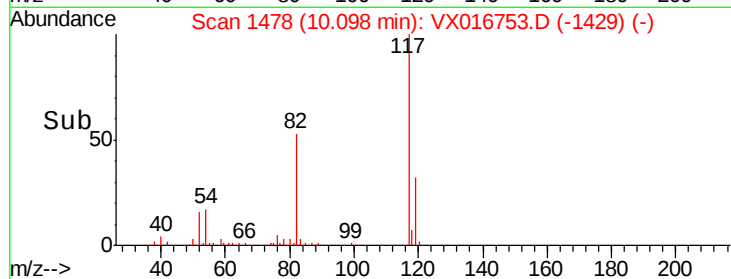
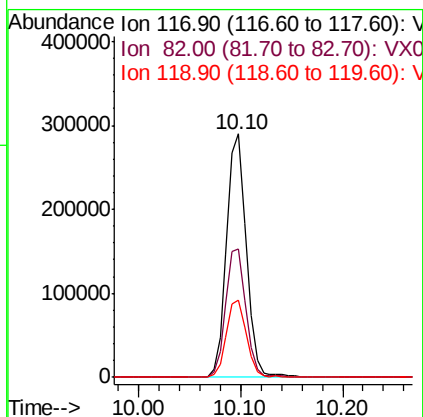
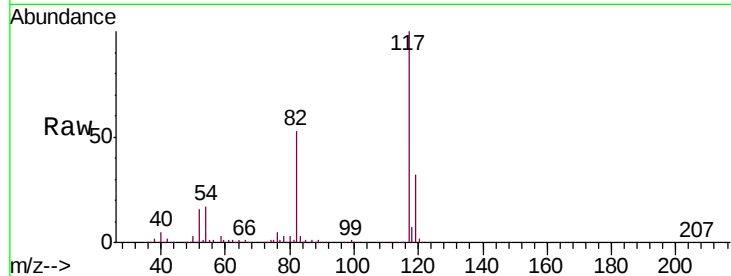




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016753.D
Acq: 15 Jun 2020 14:41

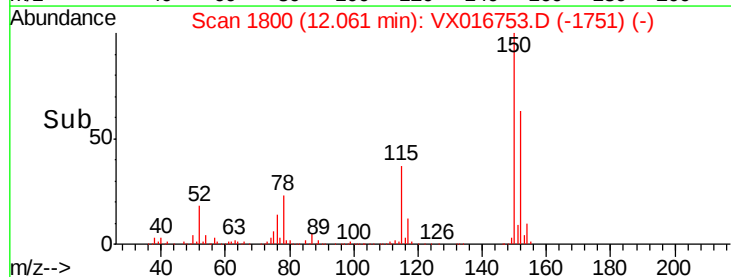
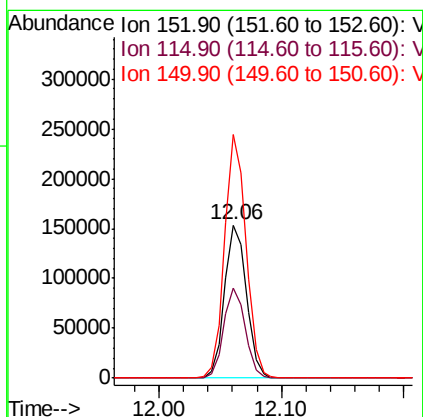
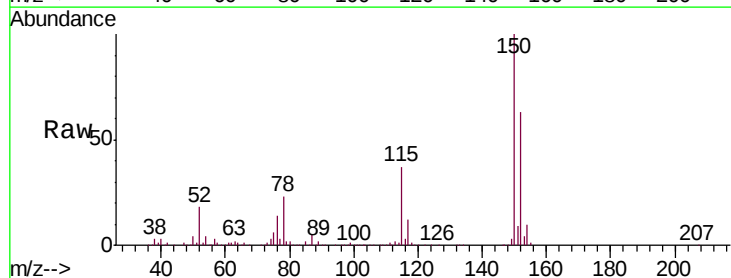
Instrument :
MSVOA_X
ClientSampleId :
VX0615WBL01

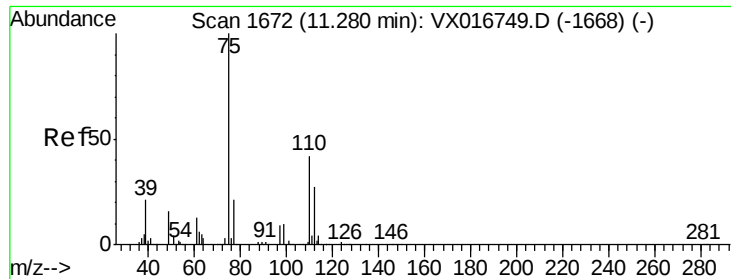
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.8	65.6
119	32.0	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016753.D
Acq: 15 Jun 2020 14:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	40.3	120.8
150	155.6	0.0	337.4

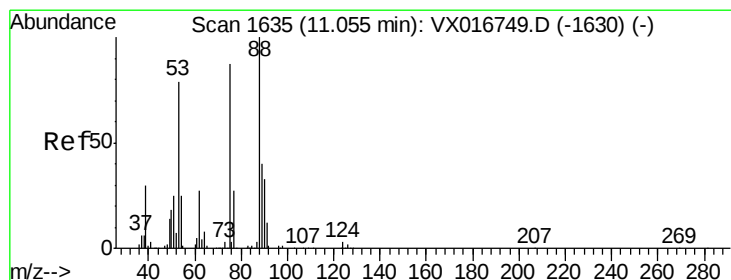
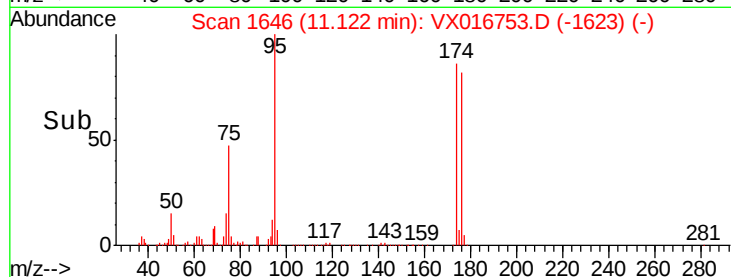
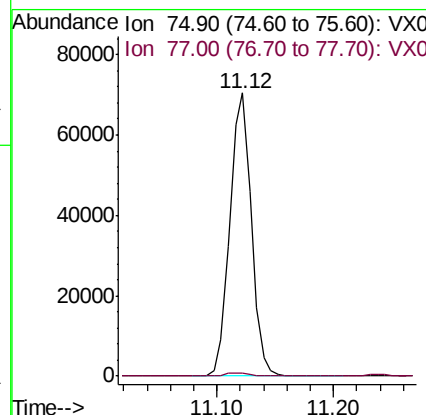
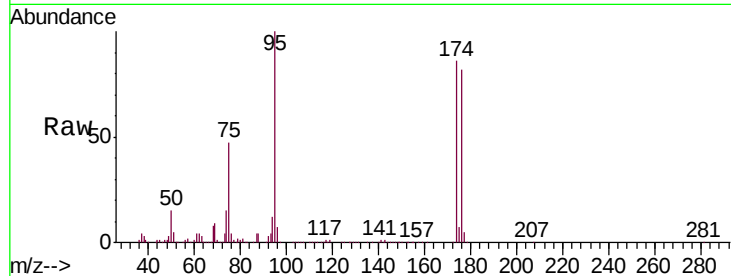




#76
 1,2,3-Trichloropropane
 Concen: 22.535 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016753.D
 Acq: 15 Jun 2020 14:41

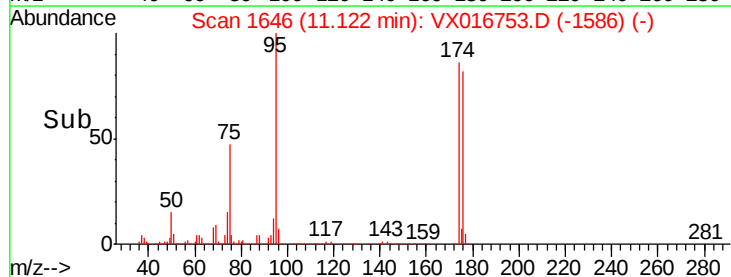
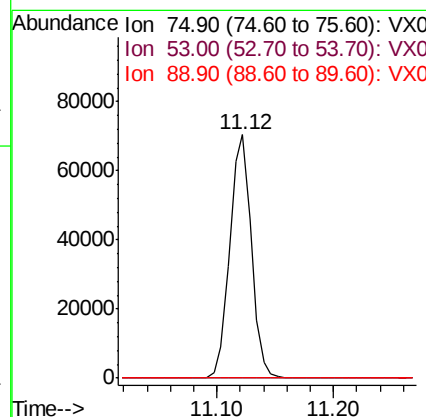
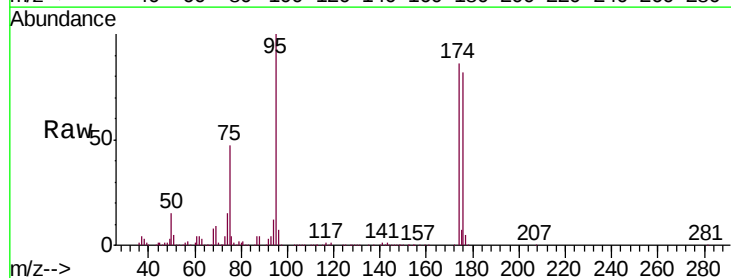
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBL01

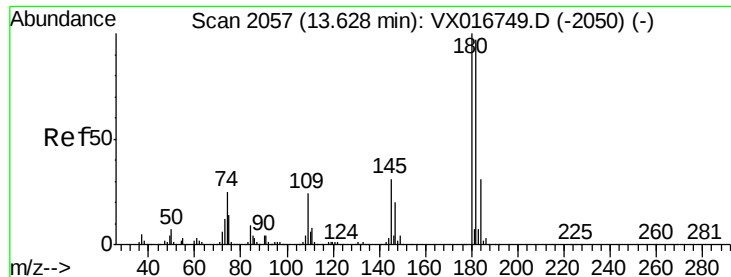
Tgt Ion: 75 Resp: 89946
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.731 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX016753.D
 Acq: 15 Jun 2020 14:41

Tgt Ion: 75 Resp: 89946
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.0#
 89 0.0 39.1 58.7#

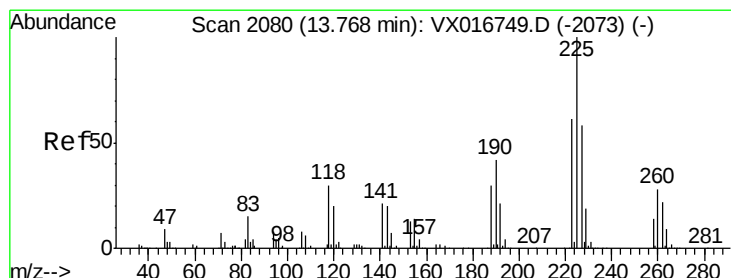
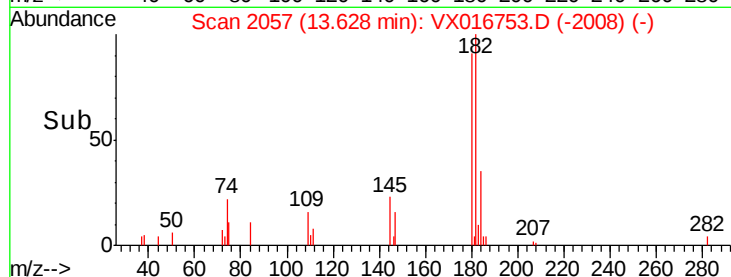
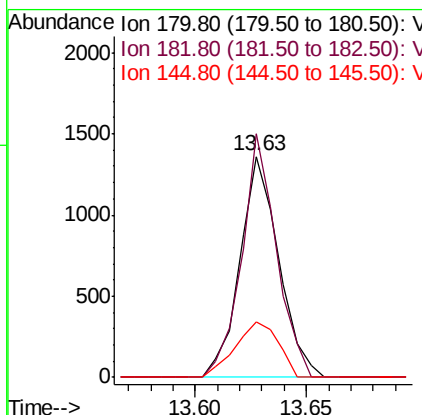
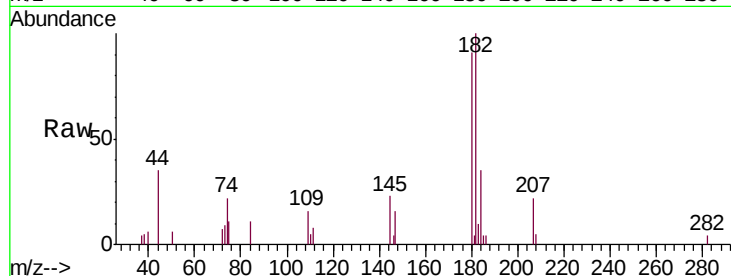




#93
 1,2,4-Trichlorobenzene
 Concen: 0.398 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016753.D
 Acq: 15 Jun 2020 14:41

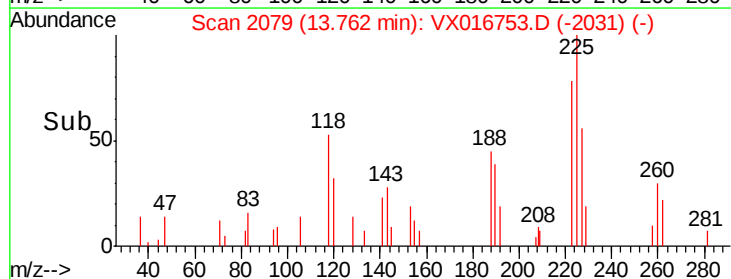
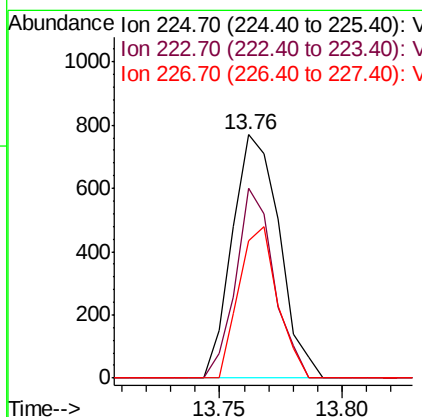
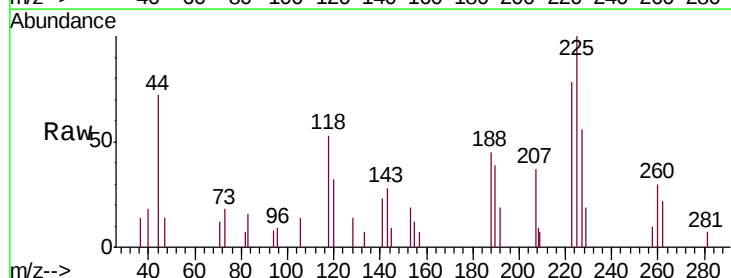
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBL01

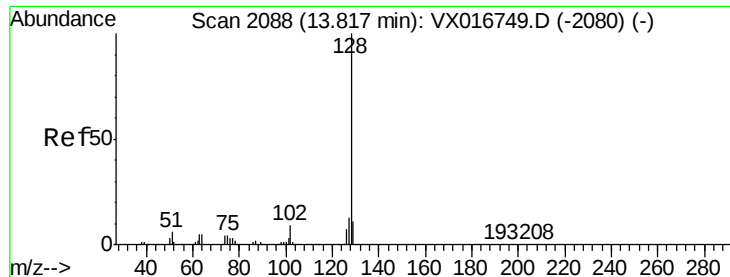
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.6	145.8
145	27.9	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 0.972 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016753.D
 Acq: 15 Jun 2020 14:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.5
227	51.0	30.9	92.7

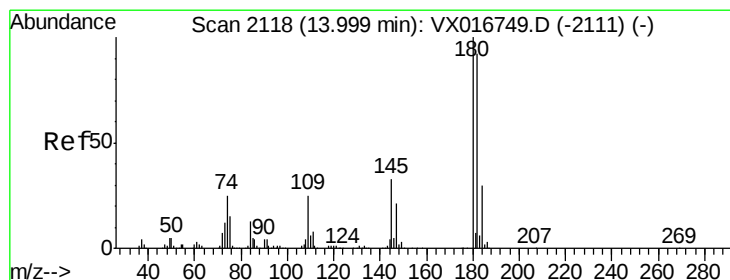
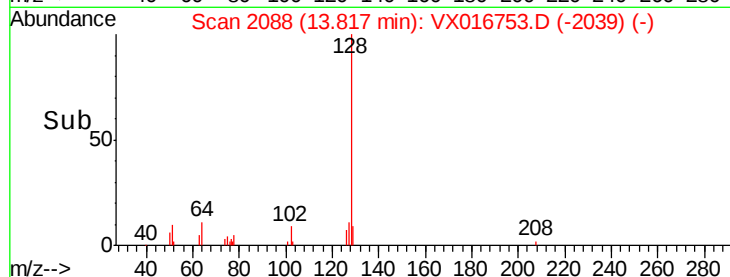
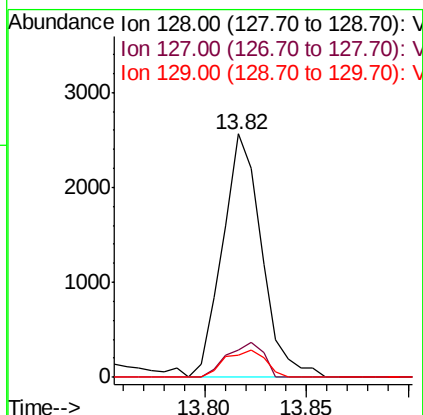
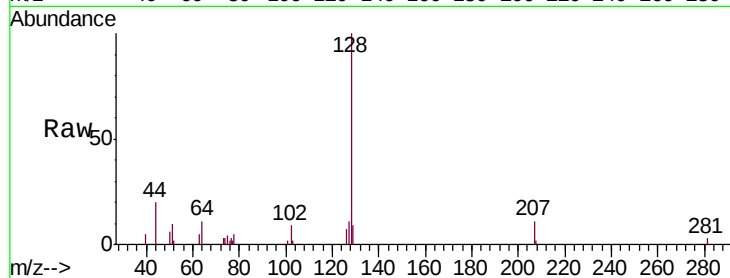




#95
Naphthalene
Concen: 0.261 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016753.D
Acq: 15 Jun 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBL01

Tgt Ion:128 Resp: 3401
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.351 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX016753.D
Acq: 15 Jun 2020 14:41

Tgt Ion:180 Resp: 1440
Ion Ratio Lower Upper
180 100
182 86.2 47.1 141.4
145 38.9 15.9 47.7

