

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052820\
 Data File : VX016473.D
 Acq On : 28 May 2020 10:30
 Operator : JC/SP
 Sample : VX0528WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBL01

Quant Time: May 28 13:10:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	322780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	518059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	488892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	232352	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	185089	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
35) Dibromofluoromethane	5.46	113	151161	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
50) Toluene-d8	8.70	98	631770	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.12	95	244326	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	

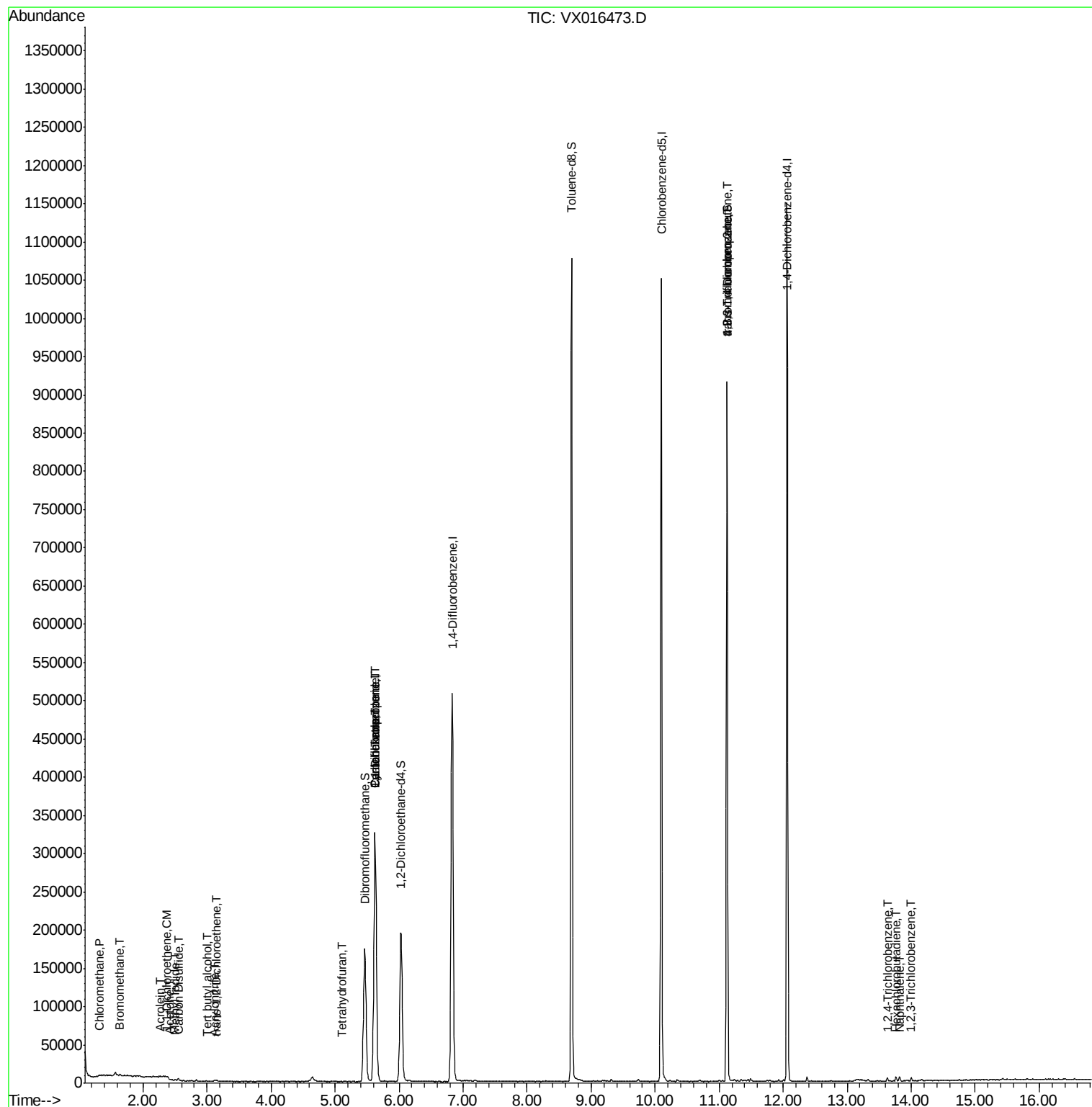
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1190	0.310	ug/l	90
5) Bromomethane	1.64	94	1213	0.615	ug/l	91
10) Methyl Iodide	2.49	142	1262	3.393	ug/l #	90
11) Tert butyl alcohol	3.01	59	314	0.305	ug/l #	72
12) 1,1-Dichloroethene	2.38	96	816	0.263	ug/l #	3
13) Acrolein	2.27	56	873	1.997	ug/l #	70
15) Acrylonitrile	3.11	53	951	0.452	ug/l #	95
16) Acetone	2.42	43	824	0.469	ug/l	91
17) Carbon Disulfide	2.55	76	3510	0.381	ug/l #	89
21) trans-1,2-Dichloroethene	3.14	96	707	0.206	ug/l #	76
29) Tetrahydrofuran	5.10	42	691	0.359	ug/l #	53
31) Cyclohexane	5.63	56	6105	1.096	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24222	4.938	ug/l #	50
38) Carbon Tetrachloride	5.62	117	30097	5.839	ug/l #	18
76) 1,2,3-Trichloropropane	11.12	75	118084	23.121	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	118084	56.874	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	1213	0.258	ug/l	95
94) Hexachlorobutadiene	13.76	225	818	0.443	ug/l	87
95) Naphthalene	13.82	128	3348	0.207	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	1216	0.264	ug/l	89

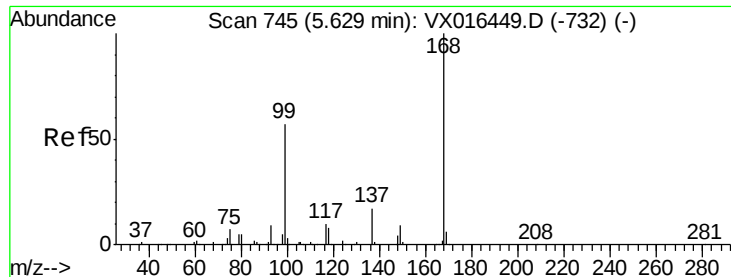
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052820\
Data File : VX016473.D
Acq On : 28 May 2020 10:30
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Sample : VX0528WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0528WBL01

Quant Time: May 28 13:10:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

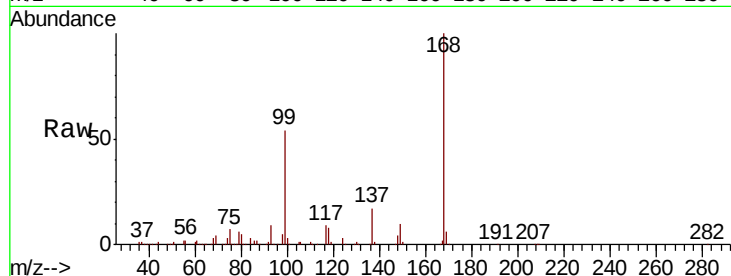
VX0528WBL01

Tot Ion:168 Resp: 322780

Ion Ratio Lower Upper

168 100

99 53.8 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

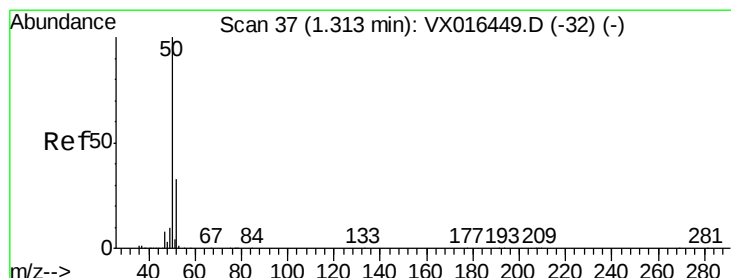
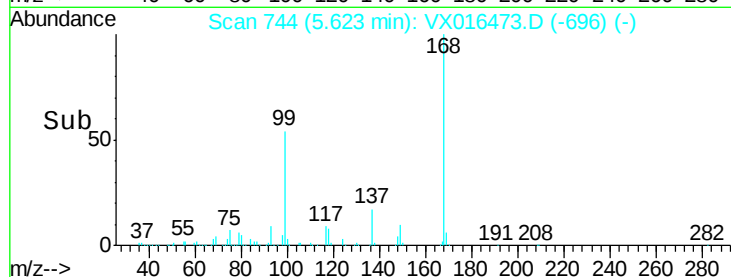
100000

50000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.310 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016473.D

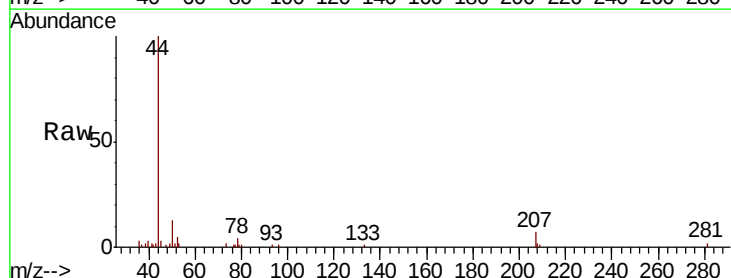
Acq: 28 May 2020 10:30

Tgt Ion: 50 Resp: 1190

Ion Ratio Lower Upper

50 100

52 26.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

600

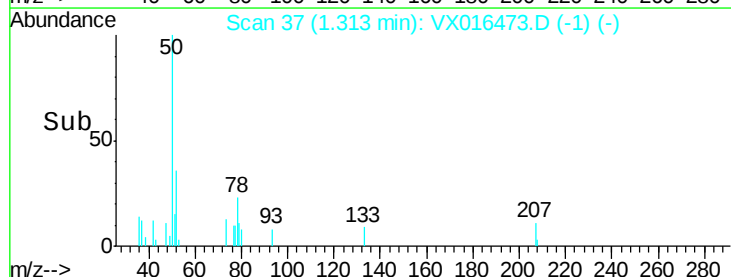
400

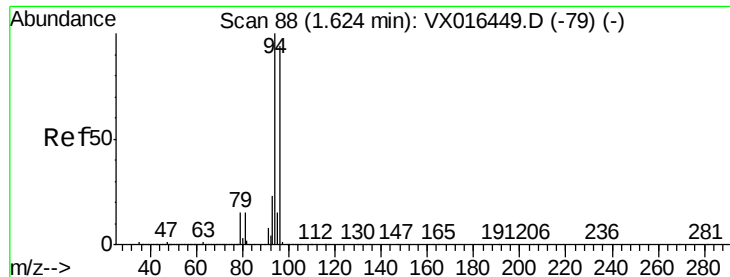
200

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 0.615 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

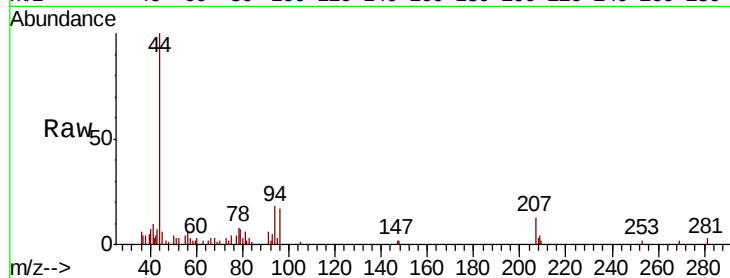
VX0528WBL01

Tot Ion: 94 Resp: 1213

Ion Ratio Lower Upper

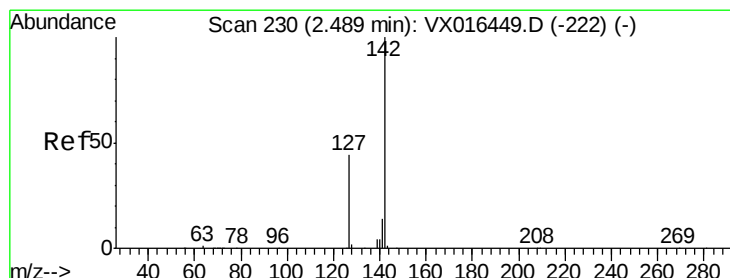
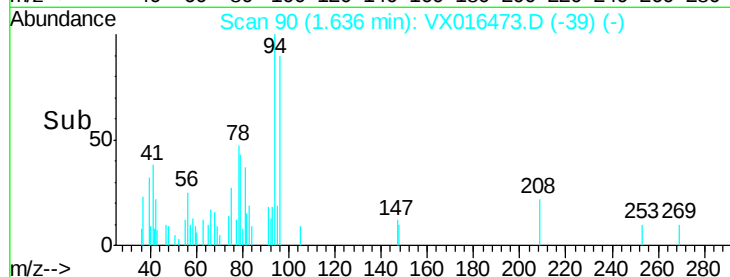
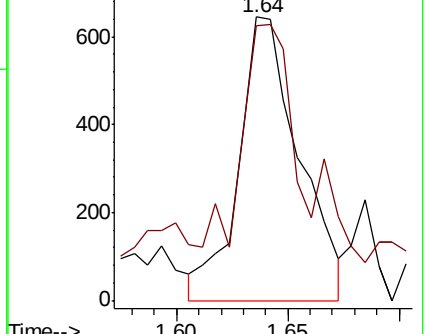
94 100

96 85.6 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 3.393 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

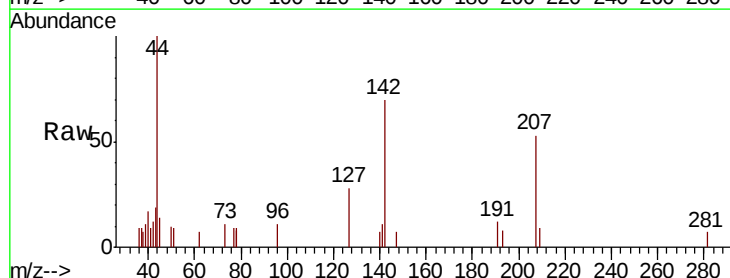
Tgt Ion: 142 Resp: 1262

Ion Ratio Lower Upper

142 100

127 49.4 35.3 52.9

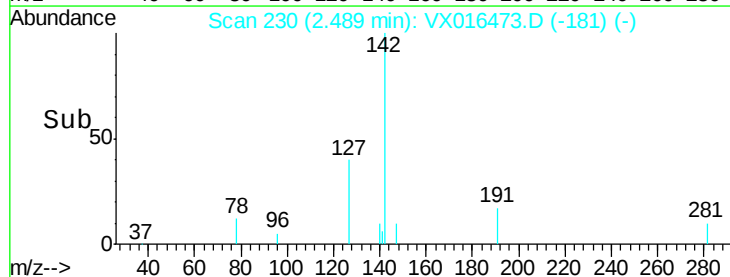
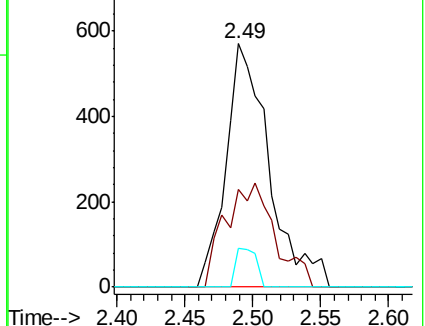
141 7.4 11.4 17.2#

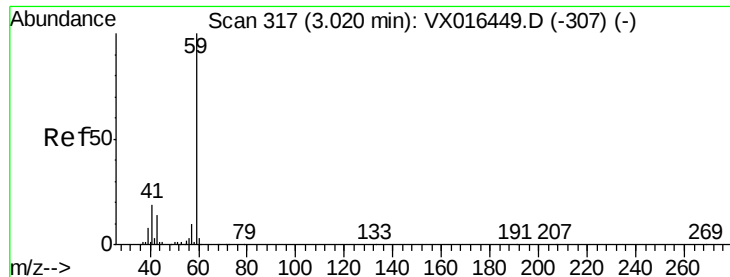


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



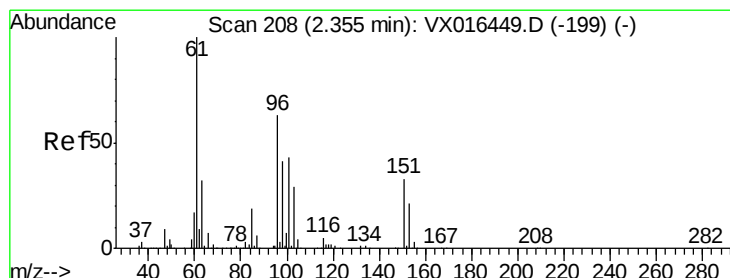
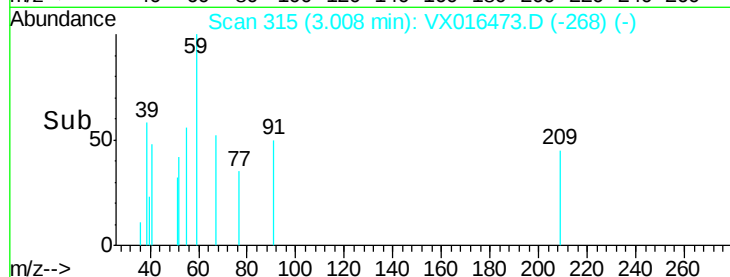
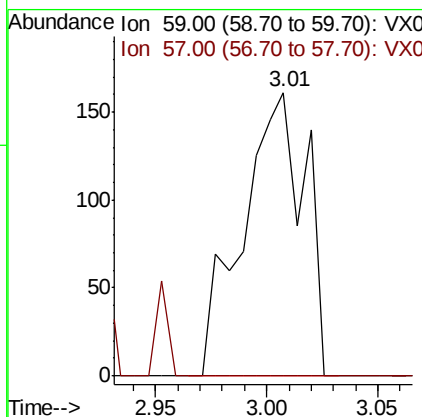
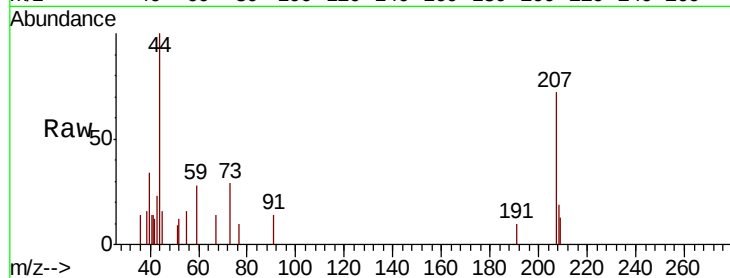


#11

Tert butyl alcohol
 Concen: 0.305 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016473.D
 Acq: 28 May 2020 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBL01

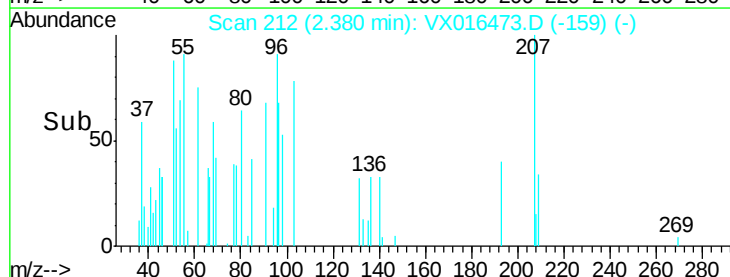
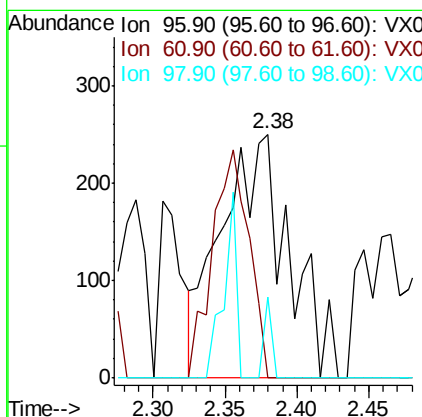
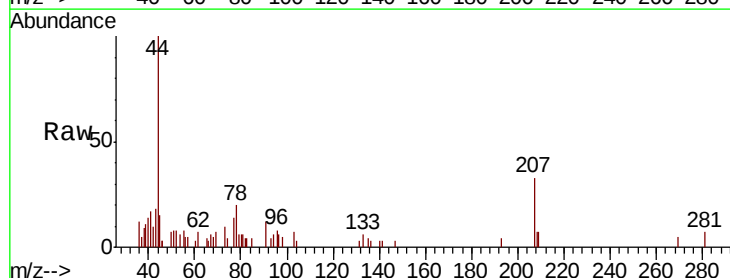
Tot Ion: 59 Resp: 314
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

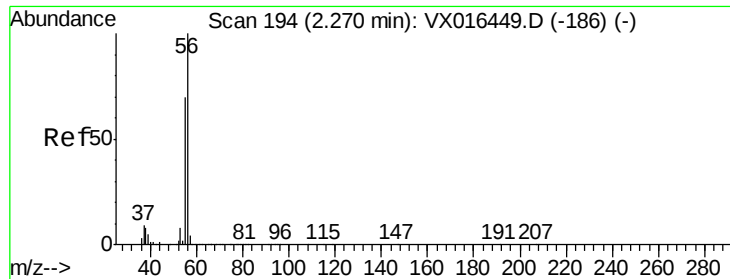


#12

1,1-Dichloroethene
 Concen: 0.263 ug/l
 RT: 2.38 min Scan# 212
 Delta R.T. 0.02 min
 Lab File: VX016473.D
 Acq: 28 May 2020 10:30

Tgt Ion: 96 Resp: 816
 Ion Ratio Lower Upper
 96 100
 61 0.0 126.6 189.8#
 98 33.2 51.3 76.9#

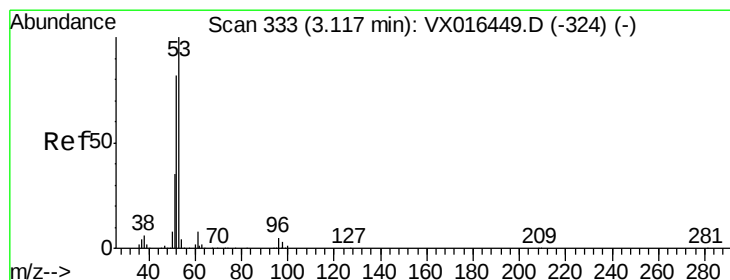
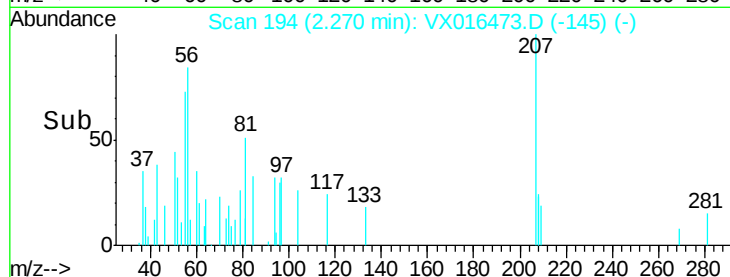
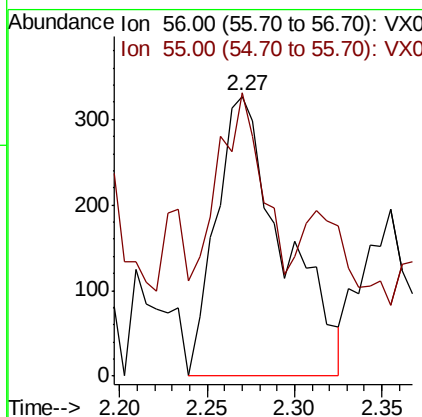
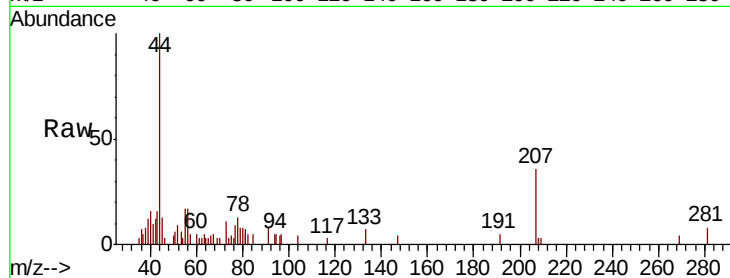




#13
Acrolein
Concen: 1.997 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016473.D
Acq: 28 May 2020 10:30

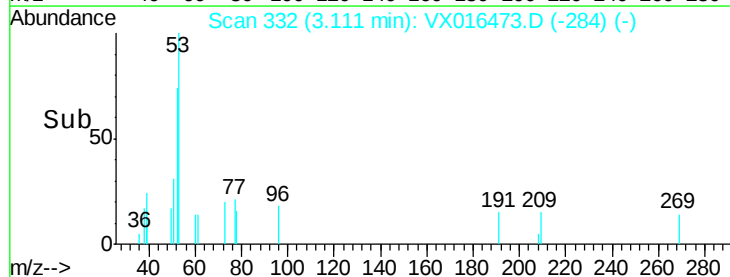
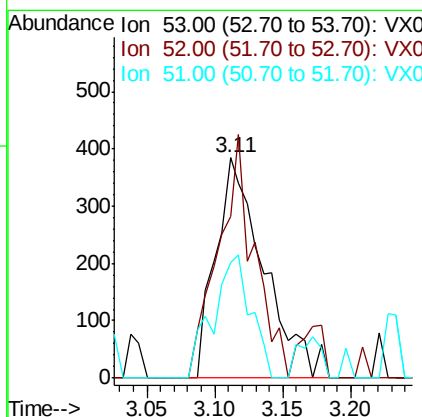
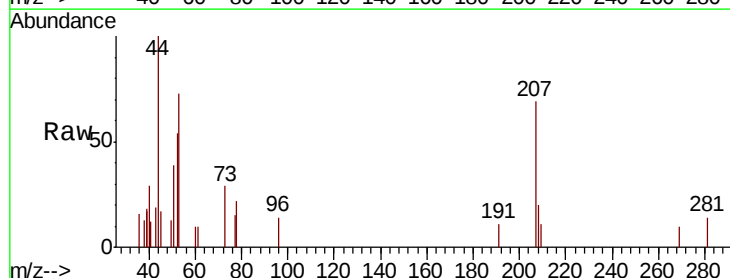
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

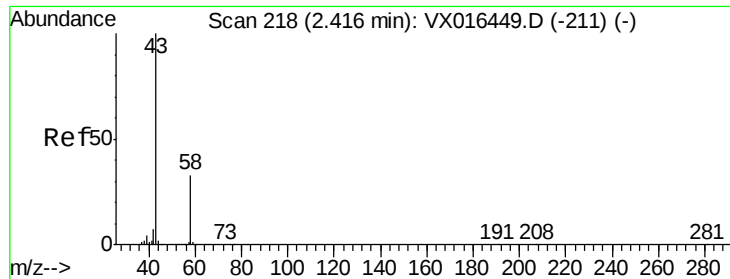
Tot Ion: 56 Resp: 873
Ion Ratio Lower Upper
56 100
55 47.8 58.3 87.5#



#15
Acrylonitrile
Concen: 0.452 ug/l
RT: 3.11 min Scan# 332
Delta R.T. -0.01 min
Lab File: VX016473.D
Acq: 28 May 2020 10:30

Tgt Ion: 53 Resp: 951
Ion Ratio Lower Upper
53 100
52 82.0 66.7 100.1
51 43.5 28.6 43.0#





#16

Acetone

Concen: 0.469 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

Instrument :

MSVOA_X

ClientSampled :

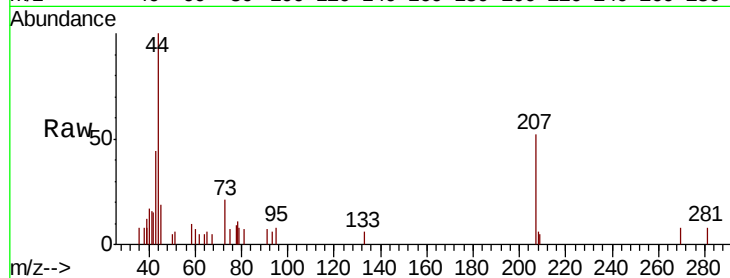
VX0528WBL01

Tot Ion: 43 Resp: 824

Ion Ratio Lower Upper

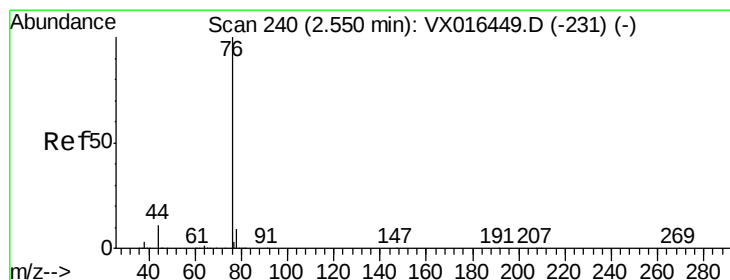
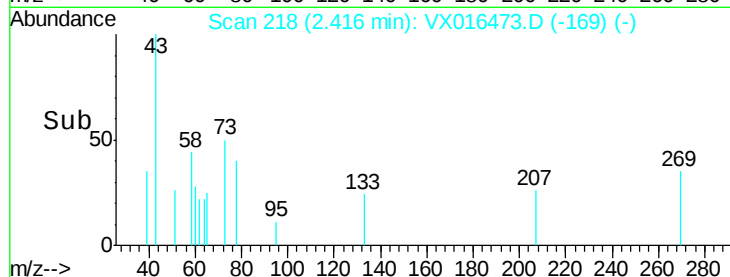
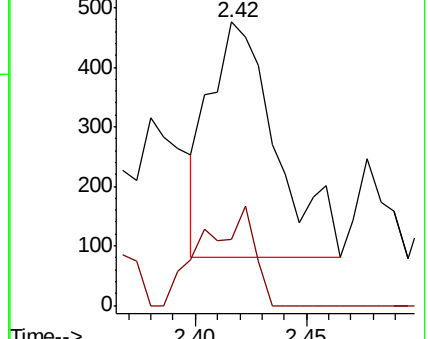
43 100

58 27.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.381 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016473.D

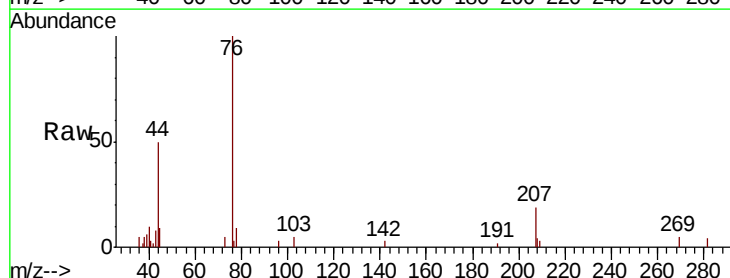
Acq: 28 May 2020 10:30

Tgt Ion: 76 Resp: 3510

Ion Ratio Lower Upper

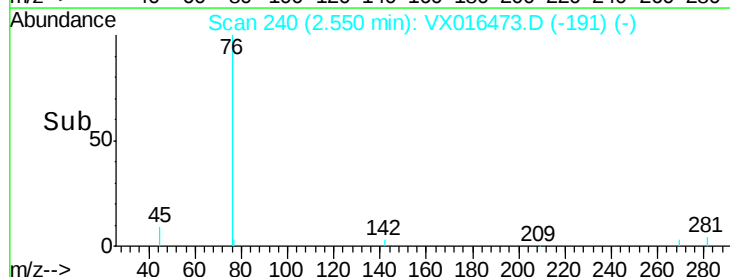
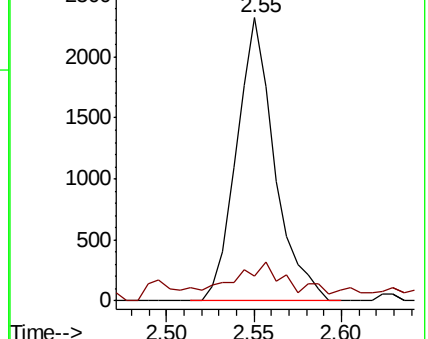
76 100

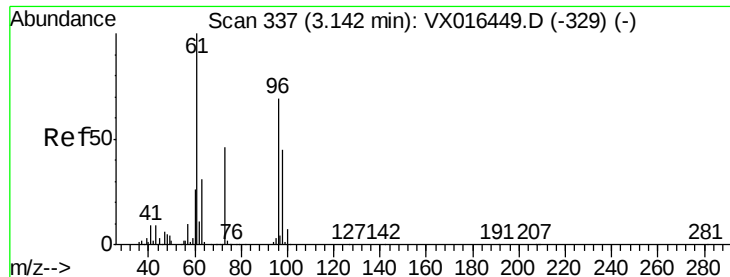
78 5.3 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.206 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBL01

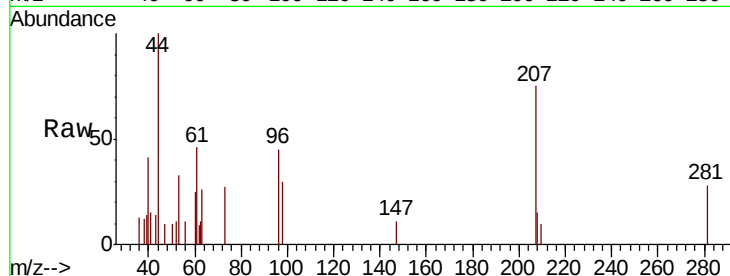
Tot Ion: 96 Resp: 707

Ion Ratio Lower Upper

96 100

61 103.2 115.3 172.9#

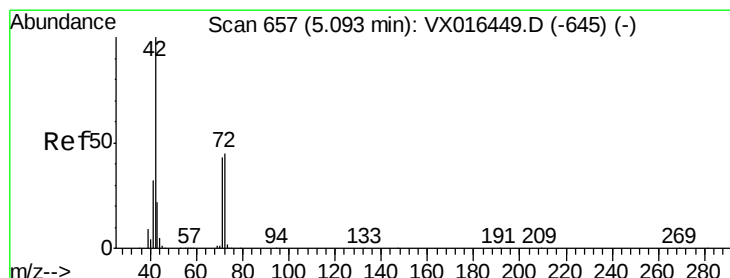
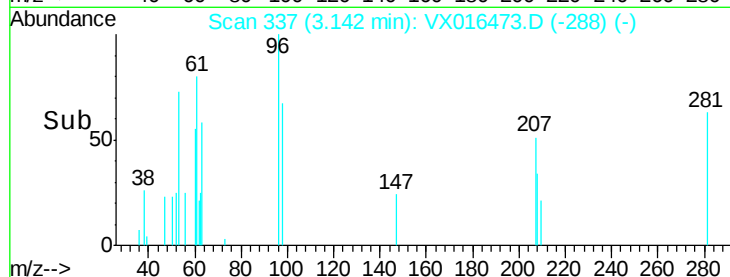
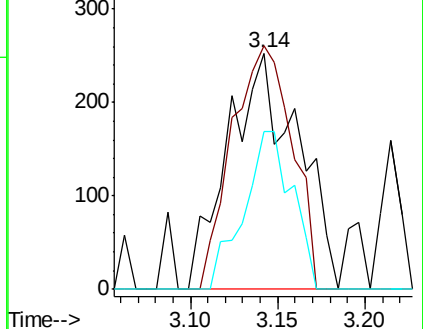
98 66.8 51.9 77.9



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



#29

Tetrahydrofuran

Concen: 0.359 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

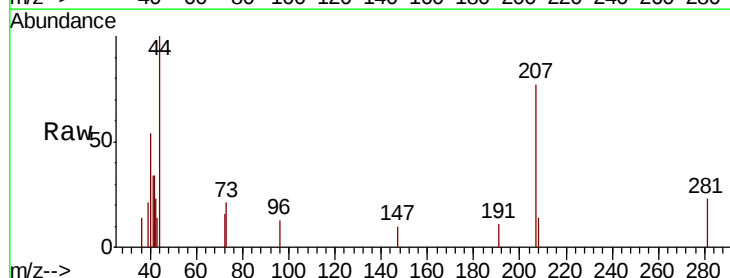
Tgt Ion: 42 Resp: 691

Ion Ratio Lower Upper

42 100

72 11.6 37.0 55.4#

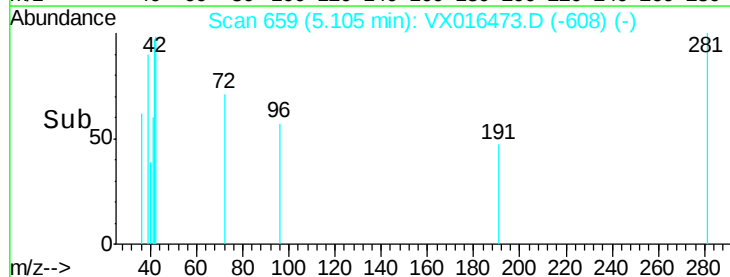
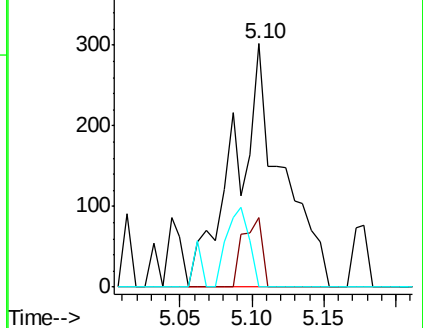
71 15.8 34.1 51.1#

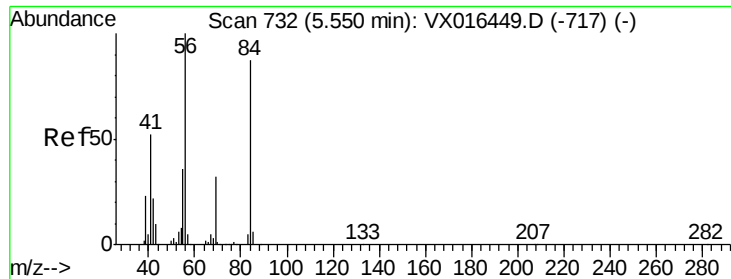


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

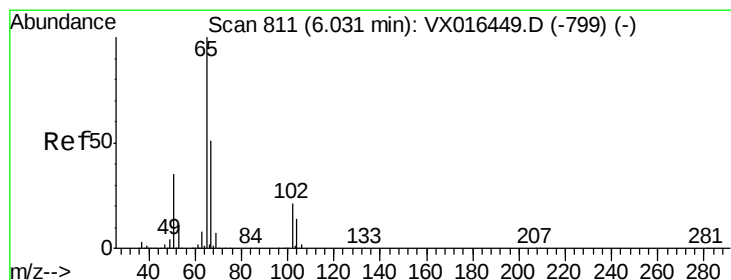
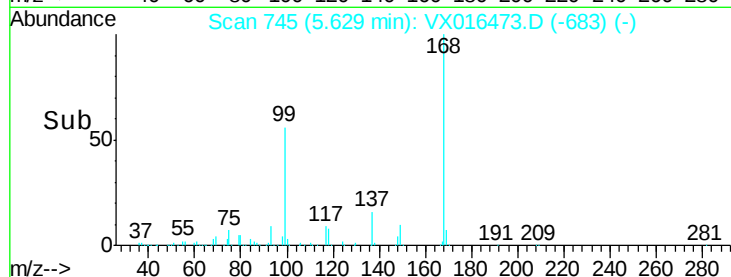
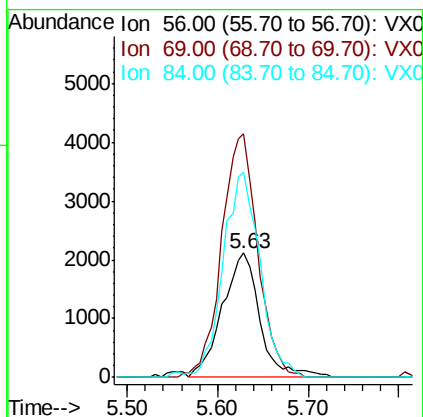
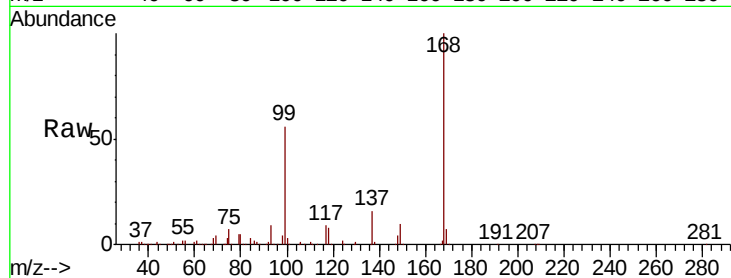




#31
Cyclohexane
Concen: 1.096 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016473.D
Acq: 28 May 2020 10:30

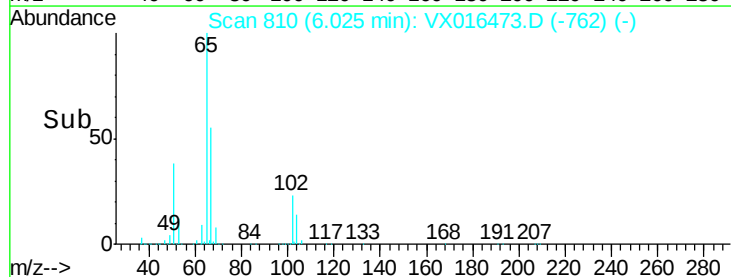
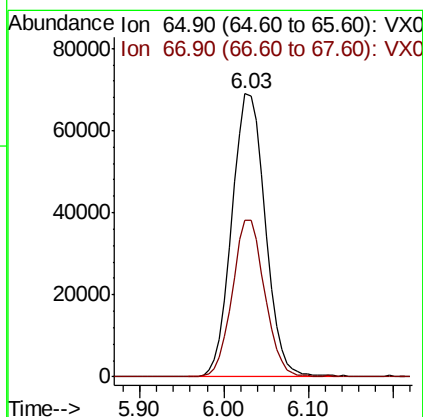
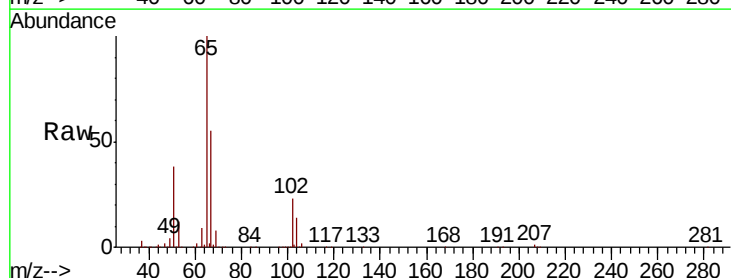
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

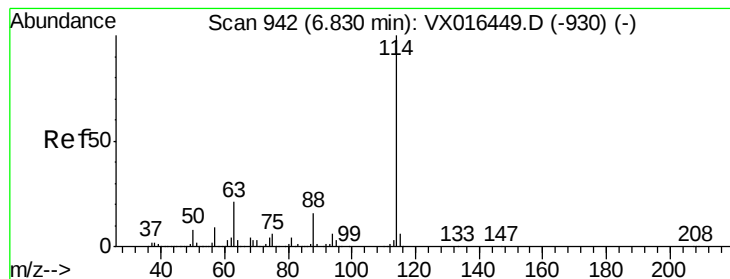
Tot Ion: 56 Resp: 6105
Ion Ratio Lower Upper
56 100
69 196.0 25.7 38.5#
84 165.1 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.174 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX016473.D
Acq: 28 May 2020 10:30

Tgt Ion: 65 Resp: 185089
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBL01

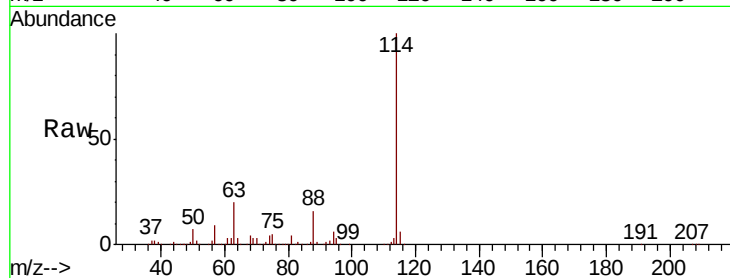
Tot Ion:114 Resp: 518059

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

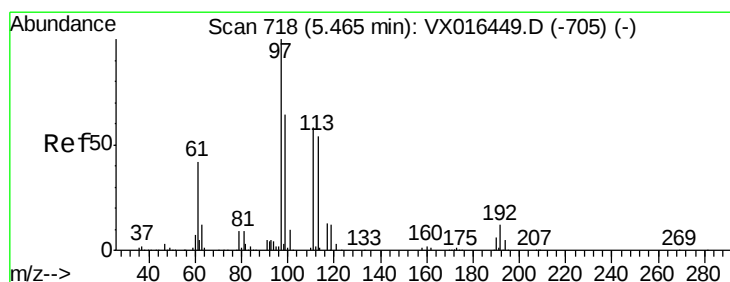
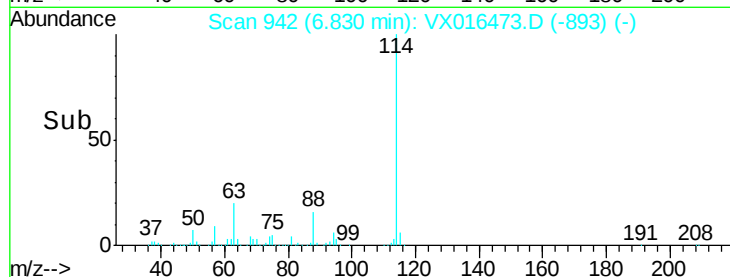
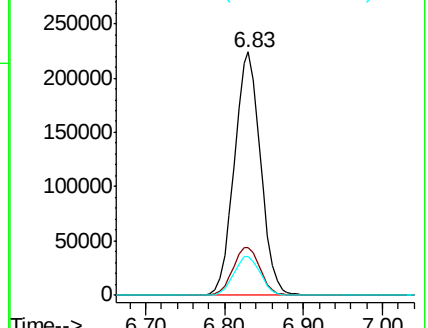
88 15.8 0.0 32.8



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: 47.387 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

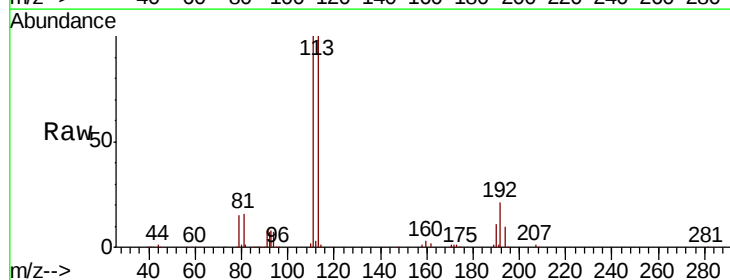
Tgt Ion:113 Resp: 151161

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.6

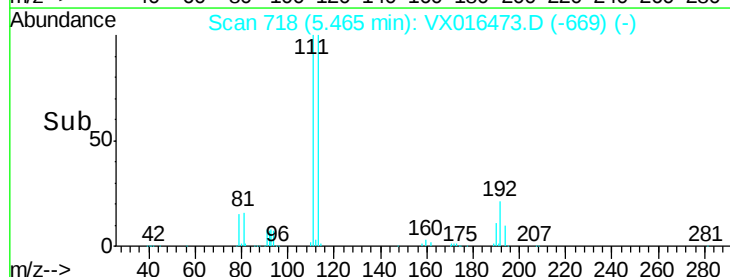
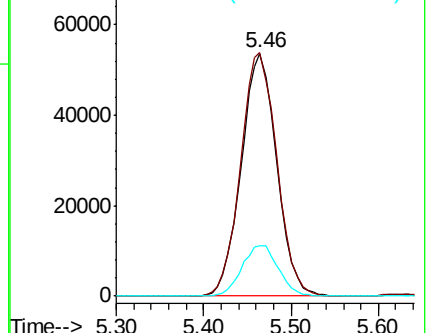
192 21.6 17.7 26.5

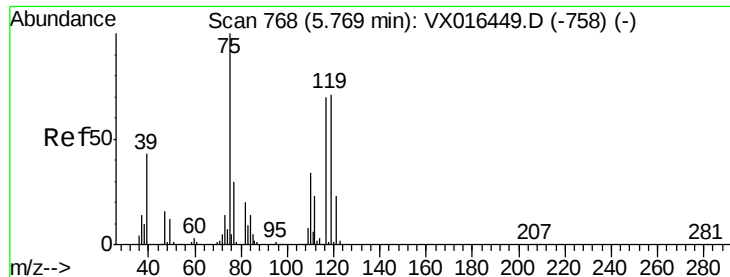


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.938 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBL01

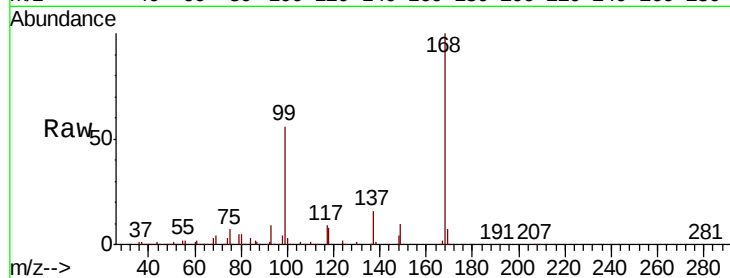
Tot Ion: 75 Resp: 24222

Ion Ratio Lower Upper

75 100

110 8.7 17.4 52.3#

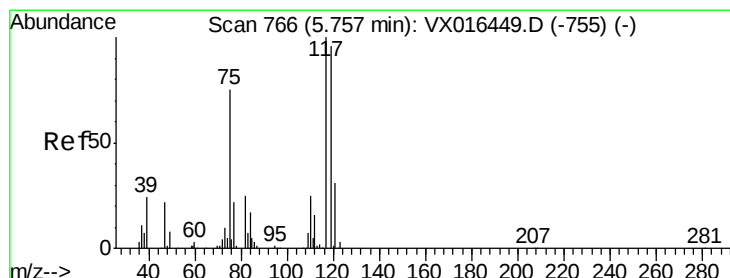
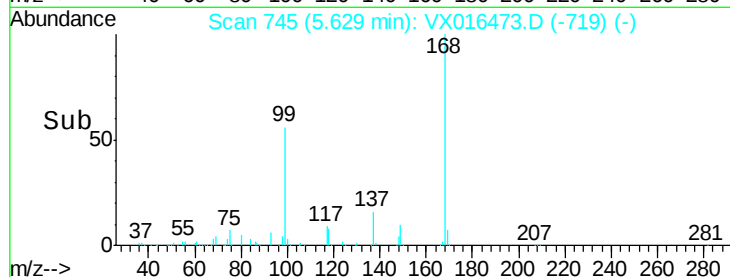
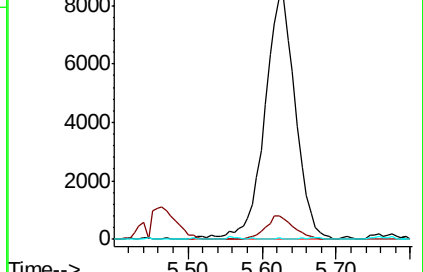
77 0.1 24.2 36.4#



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: 5.839 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

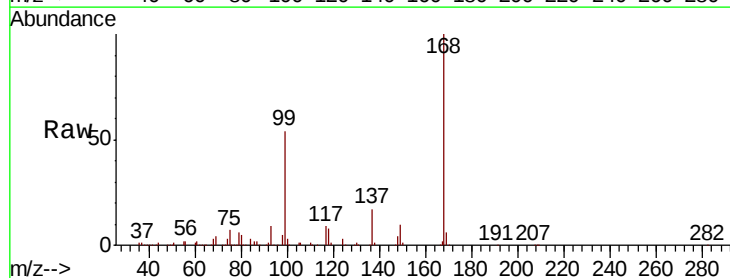
Tgt Ion: 117 Resp: 30097

Ion Ratio Lower Upper

117 100

119 6.8 76.3 114.5#

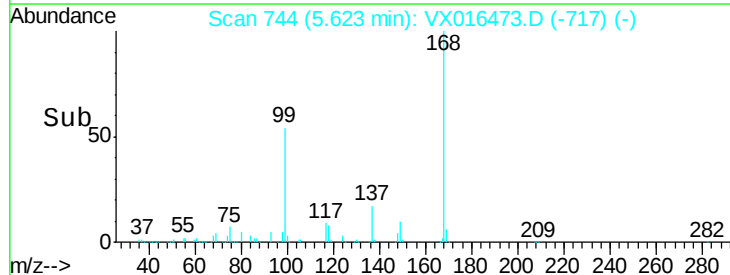
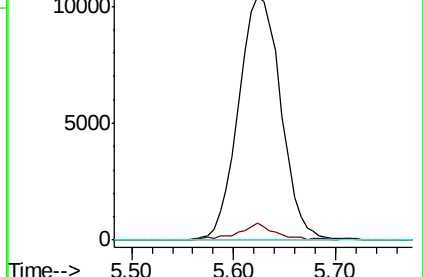
121 0.0 24.6 37.0#

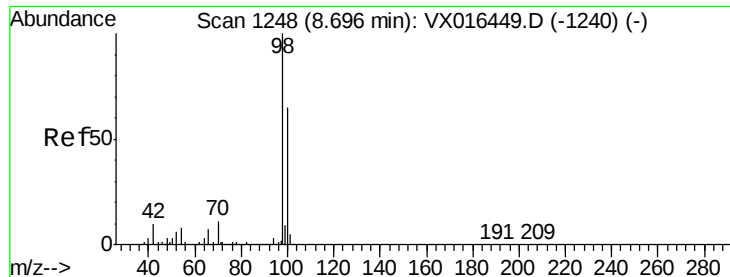


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

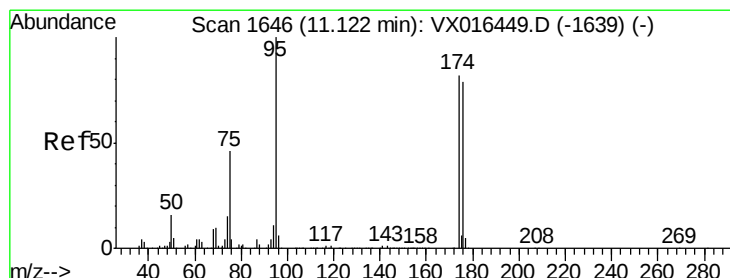
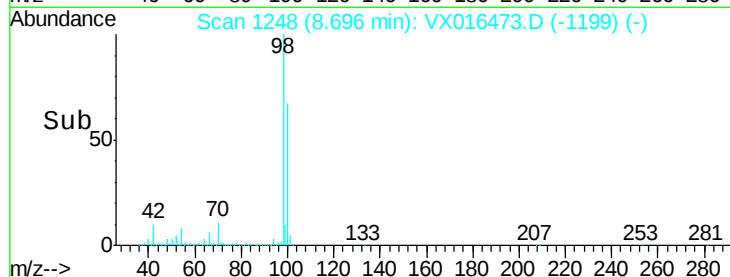
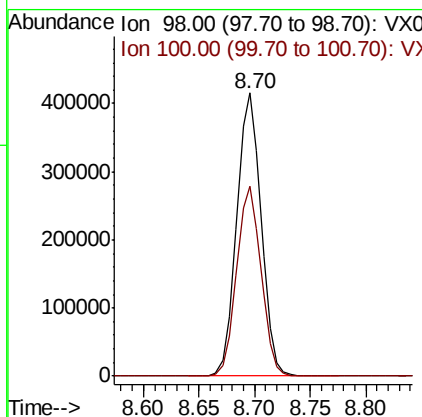
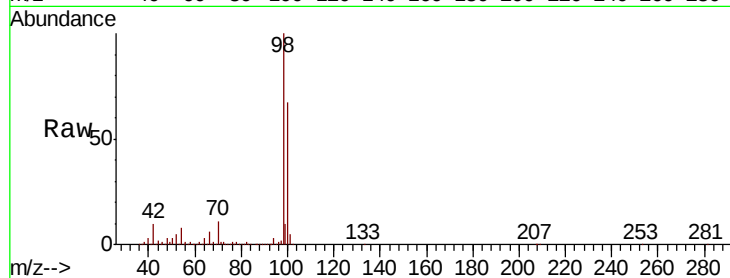




#50
Toluene-d8
Concen: 50.884 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016473.D
Acq: 28 May 2020 10:30

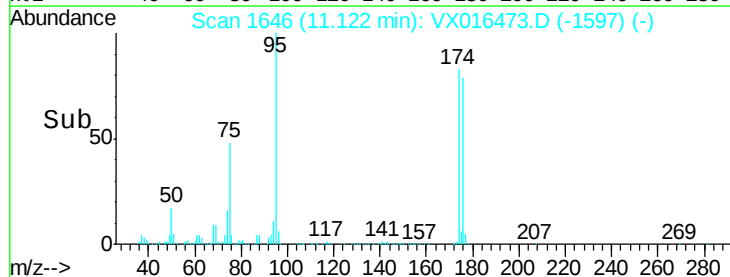
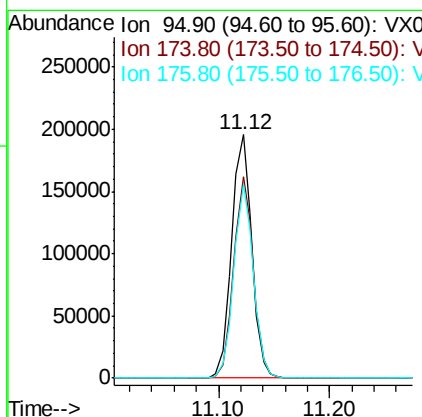
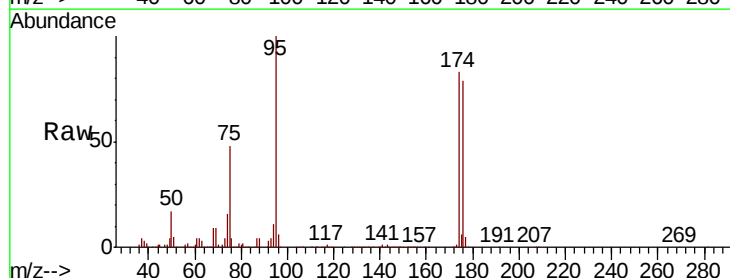
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

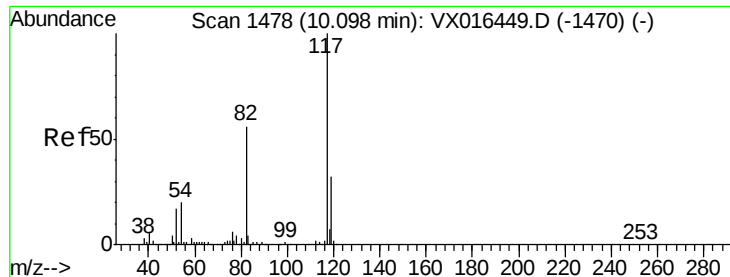
Tot Ion: 98 Resp: 631770
Ion Ratio Lower Upper
98 100
100 67.3 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 50.928 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016473.D
Acq: 28 May 2020 10:30

Tgt Ion: 95 Resp: 244326
Ion Ratio Lower Upper
95 100
174 80.9 0.0 163.0
176 77.4 0.0 156.8

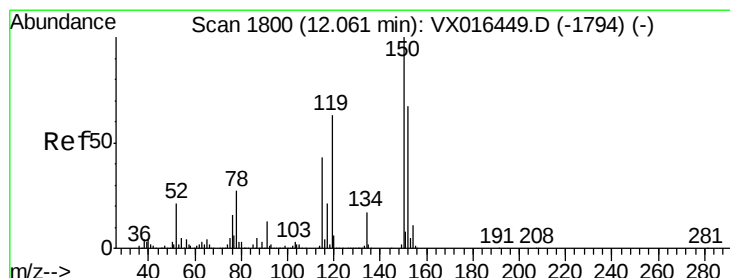
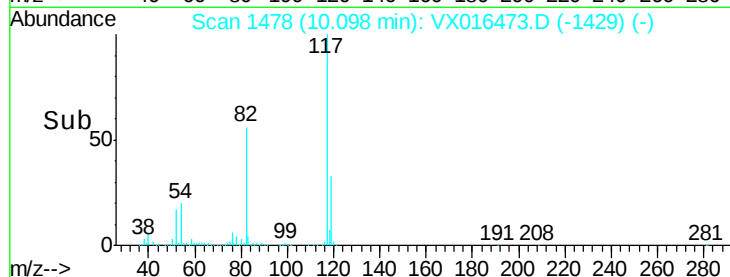
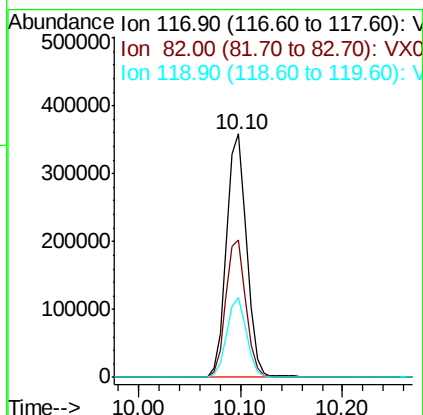
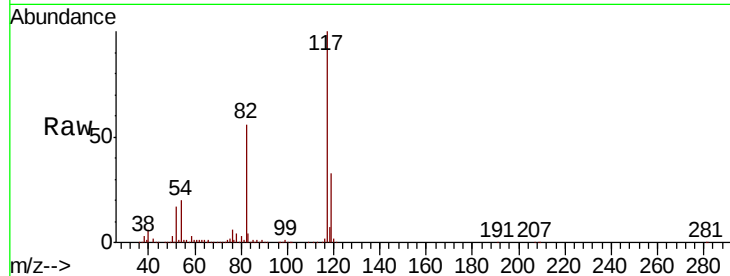




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016473.D
Acq: 28 May 2020 10:30

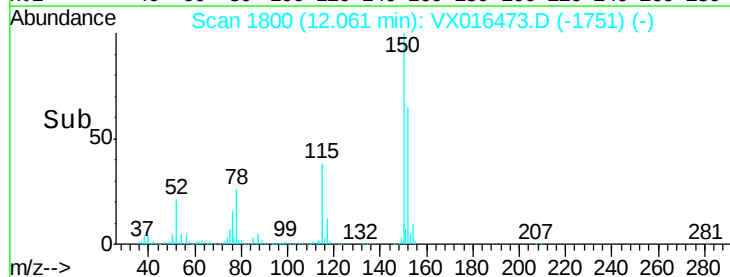
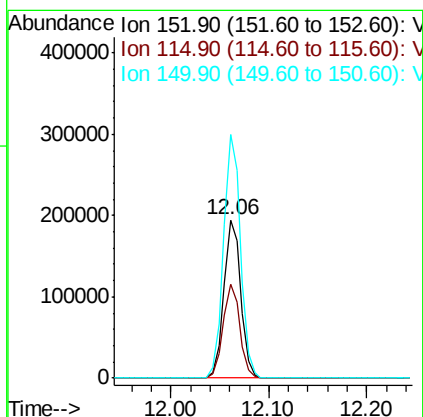
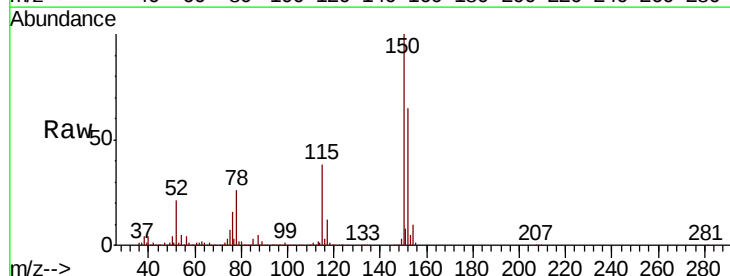
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

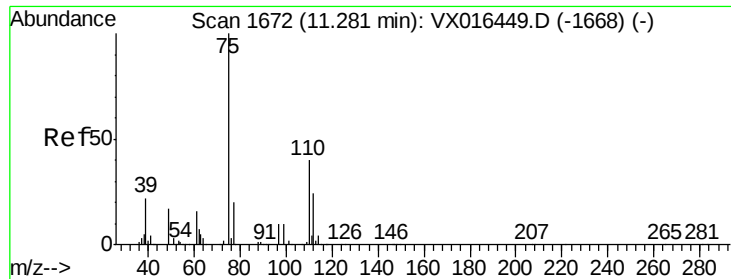
Tot Ion:117 Resp: 488892
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.6
119 32.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016473.D
Acq: 28 May 2020 10:30

Tgt Ion:152 Resp: 232352
Ion Ratio Lower Upper
152 100
115 58.8 39.9 119.6
150 154.8 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 23.121 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

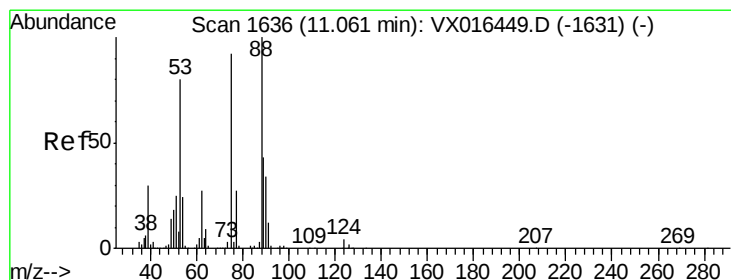
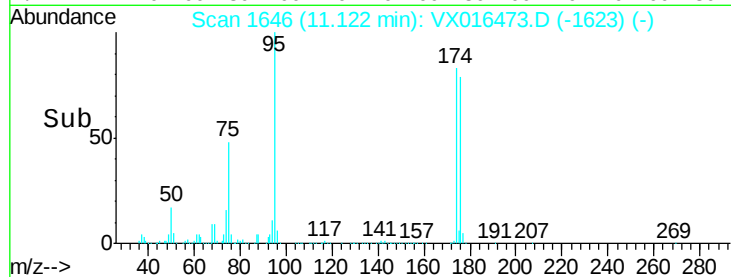
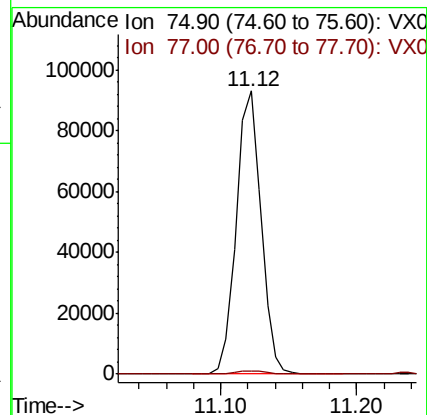
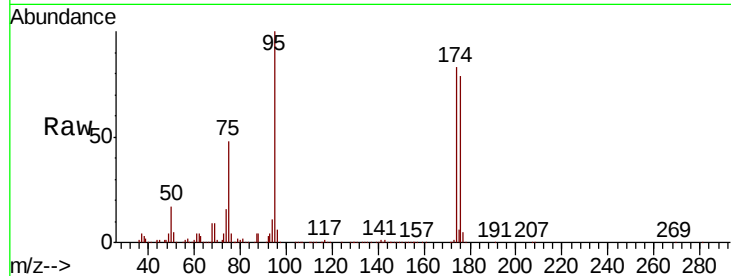
VX0528WBL01

Tot Ion: 75 Resp: 118084

Ion Ratio Lower Upper

75 100

77 1.5 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.874 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

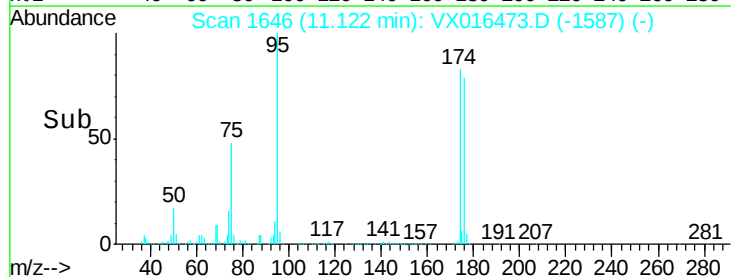
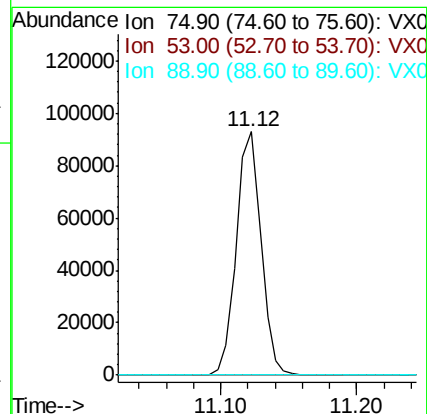
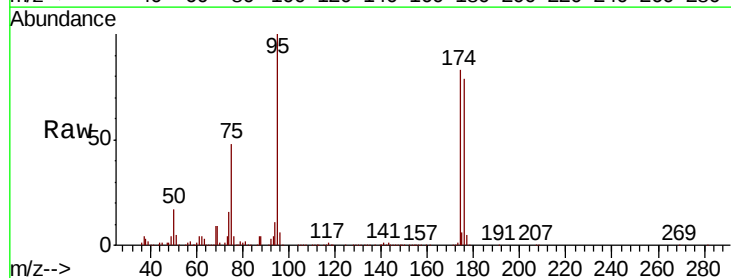
Tgt Ion: 75 Resp: 118084

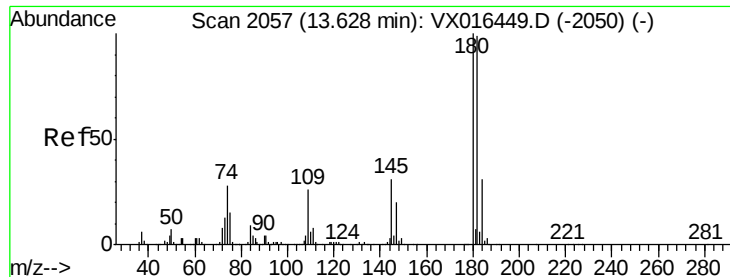
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#

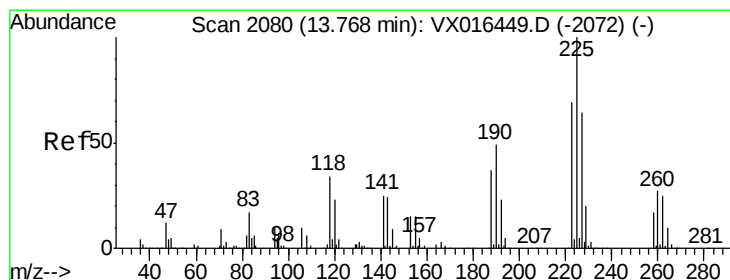
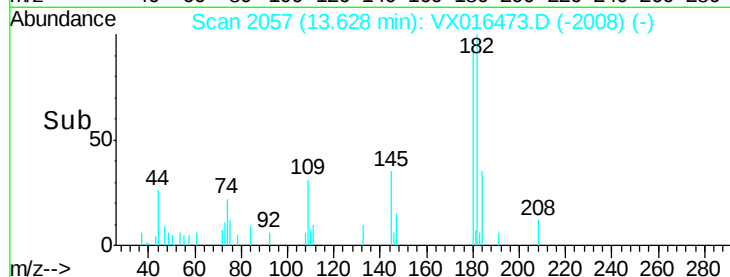
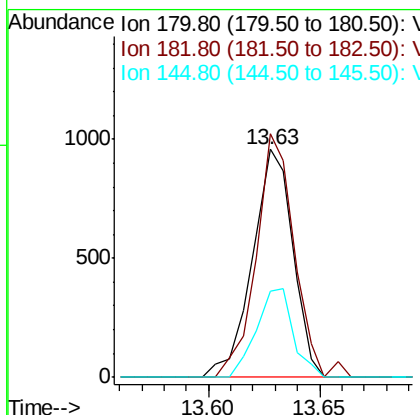
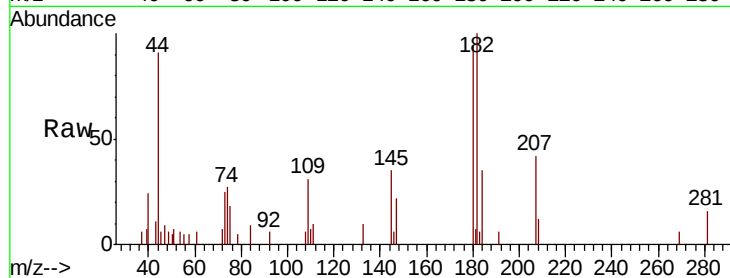




#93
 1,2,4-Trichlorobenzene
 Concen: 0.258 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016473.D
 Acq: 28 May 2020 10:30

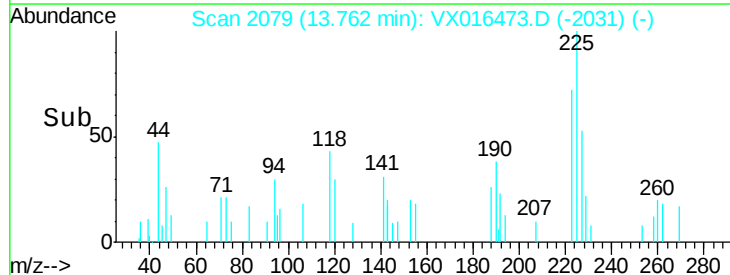
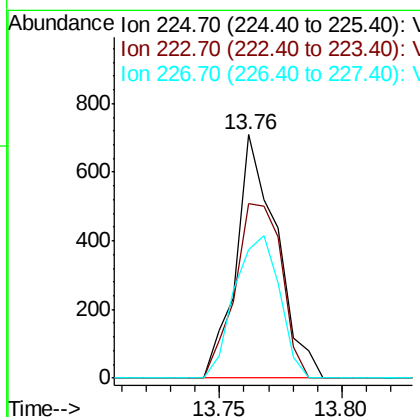
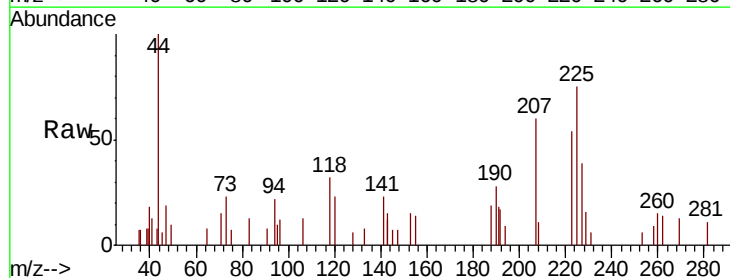
Instrument :
 MSVOA_X
 ClientSampled :
 VX0528WBL01

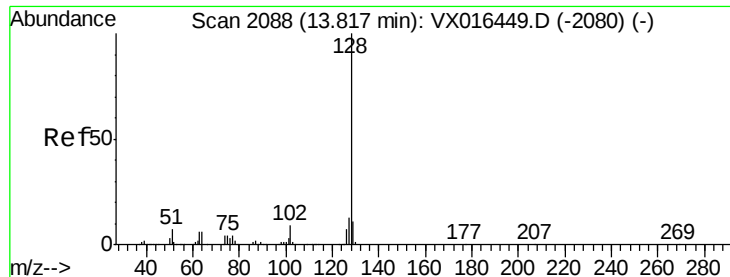
Tot Ion:180 Resp: 1213
 Ion Ratio Lower Upper
 180 100
 182 100.7 48.3 144.8
 145 35.4 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 0.443 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016473.D
 Acq: 28 May 2020 10:30

Tgt Ion:225 Resp: 818
 Ion Ratio Lower Upper
 225 100
 223 82.4 32.3 96.8
 227 64.7 31.6 94.7





#95

Naphthalene

Concen: 0.207 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBL01

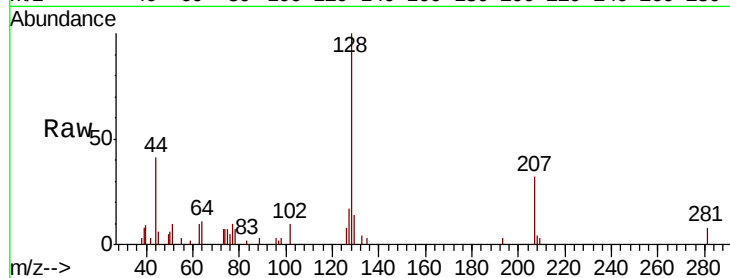
Tot Ion:128 Resp: 3348

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

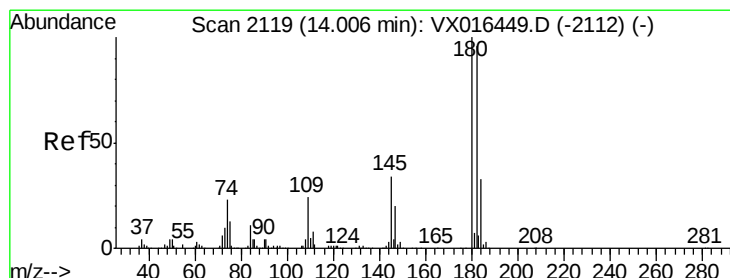
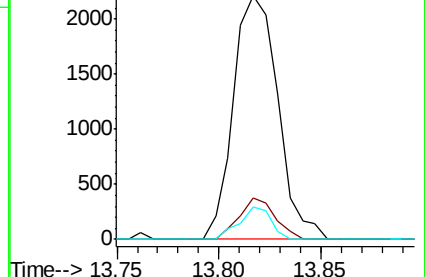
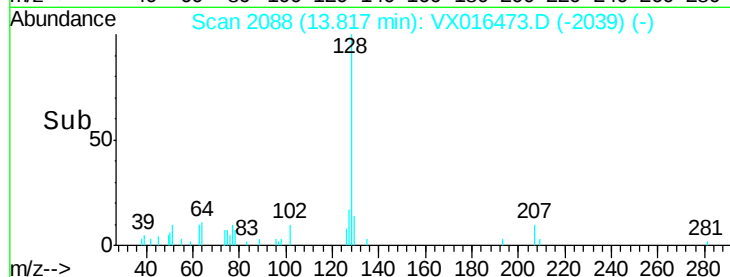
129 9.6 8.6 13.0



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: 0.264 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX016473.D

Acq: 28 May 2020 10:30

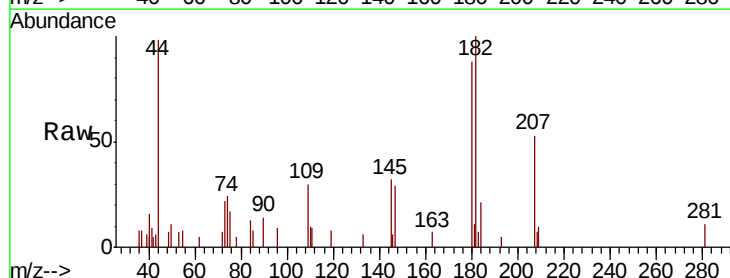
Tgt Ion:180 Resp: 1216

Ion Ratio Lower Upper

180 100

182 102.4 48.6 145.8

145 48.6 16.6 49.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

