

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051120\
 Data File : VX016142.D
 Acq On : 11 May 2020 12:40
 Operator : JC/SP
 Sample : L2552-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW353-200507

Quant Time: May 11 18:32:49 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	5.63	168	288560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	471203	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	452739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	225264	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	175299	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
35) Dibromofluoromethane	5.47	113	139673	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
50) Toluene-d8	8.70	98	571835	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.12	95	225984	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	

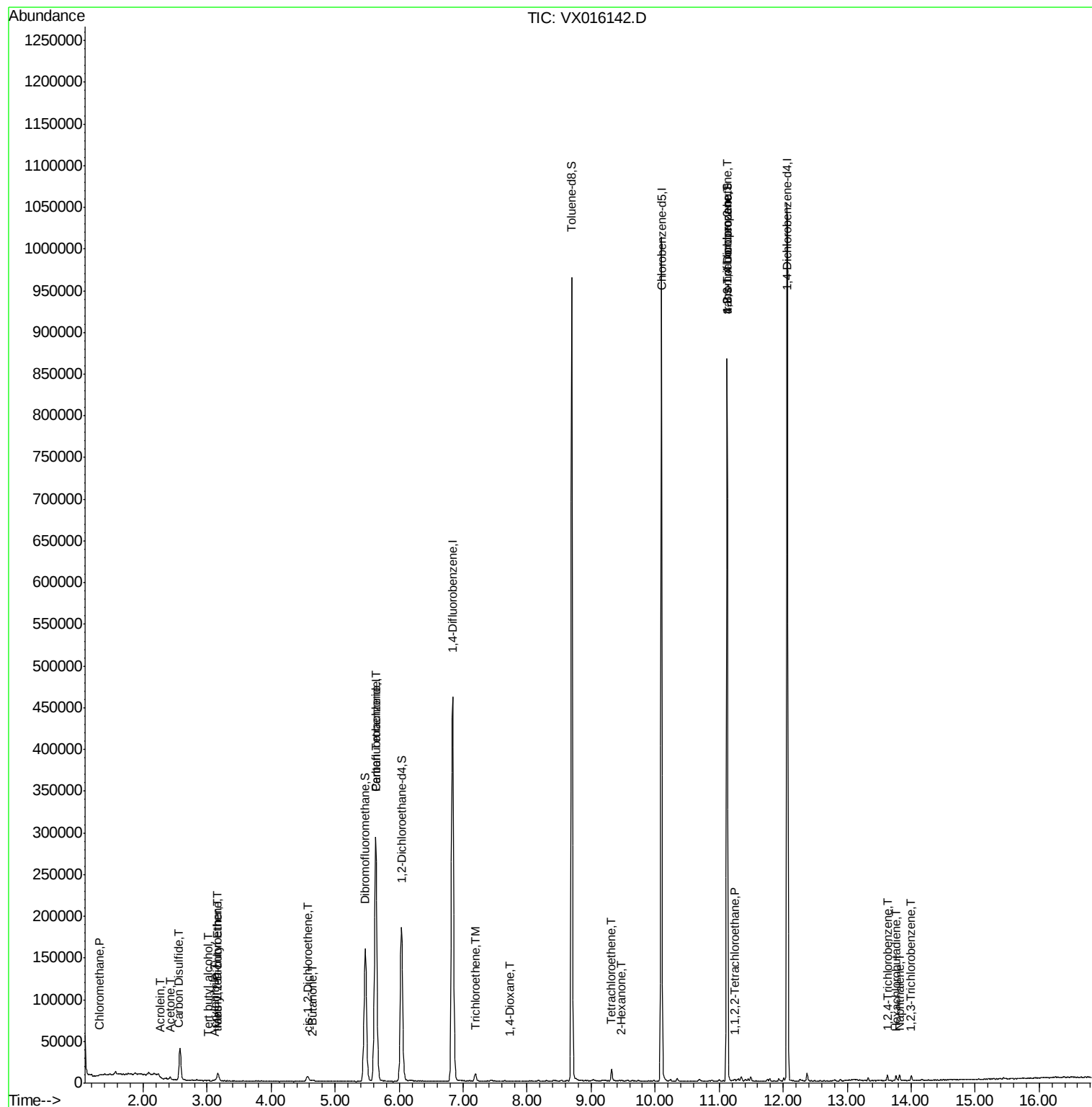
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	786	0.222	ug/l	99
11) Tert butyl alcohol	3.01	59	624	0.650	ug/l #	72
13) Acrolein	2.28	56	535	0.890	ug/l #	72
15) Acrylonitrile	3.11	53	919	0.461	ug/l	91
16) Acetone	2.42	43	2510	1.481	ug/l	97
17) Carbon Disulfide	2.55	76	4075	0.246	ug/l #	95
19) Methyl tert-butyl Ether	3.17	73	10061	0.973	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	849	0.254	ug/l	89
25) 2-Butanone	4.64	43	940	0.344	ug/l #	48
27) cis-1,2-Dichloroethene	4.57	96	4169	1.141	ug/l	75
38) Carbon Tetrachloride	5.63	117	27413	5.815	ug/l #	14
44) Trichloroethene	7.20	130	3424	0.710	ug/l	89
49) 1,4-Dioxane	7.74	88	44	0.451	ug/l #	69
59) 2-Hexanone	9.48	43	949	0.230	ug/l	73
64) Tetrachloroethene	9.32	164	2769	0.498	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.25	83	85	2.077	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	110615	21.639	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	110615	51.568	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.63	180	1616	0.299	ug/l	94
94) Hexachlorobutadiene	13.76	225	903	0.907	ug/l	91
95) Naphthalene	13.82	128	4302	0.245	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1524	0.288	ug/l	97

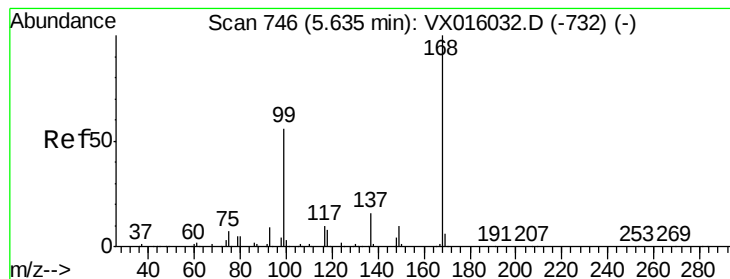
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051120\
Data File : VX016142.D
Acq On : 11 May 2020 12:40
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Quant Time: May 11 18:32:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
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: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

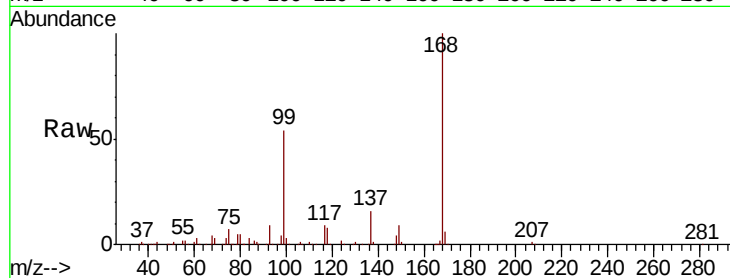
SS052MW353-200507

Tot Ion:168 Resp: 288560

Ion Ratio Lower Upper

168 100

99 54.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

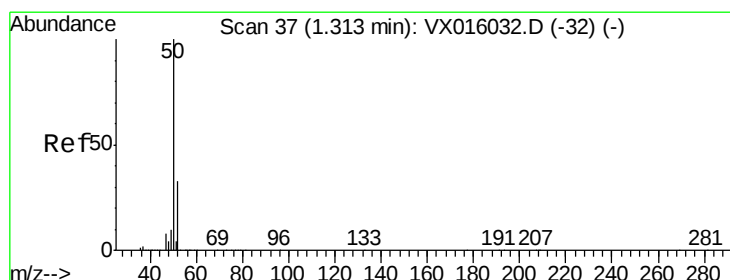
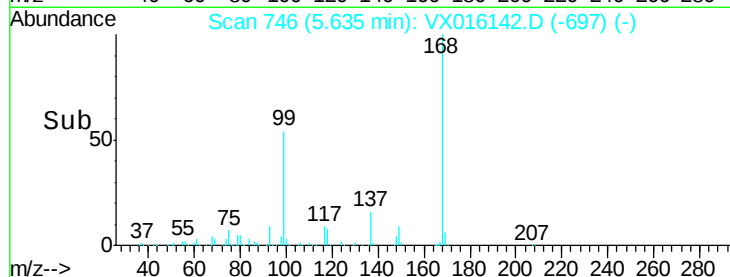
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.222 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016142.D

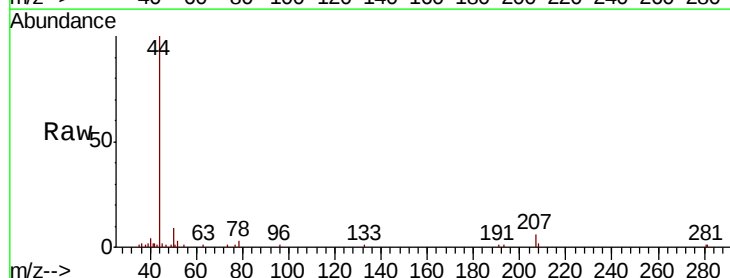
Acq: 11 May 2020 12:40

Tgt Ion: 50 Resp: 786

Ion Ratio Lower Upper

50 100

52 31.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

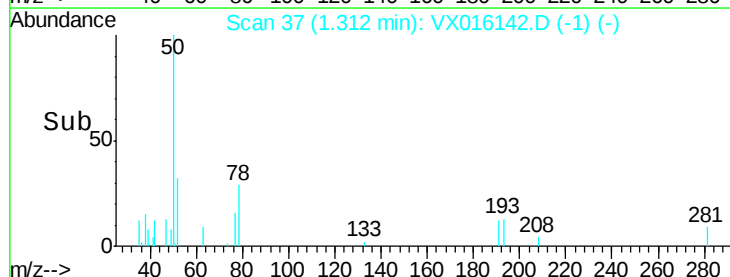
600

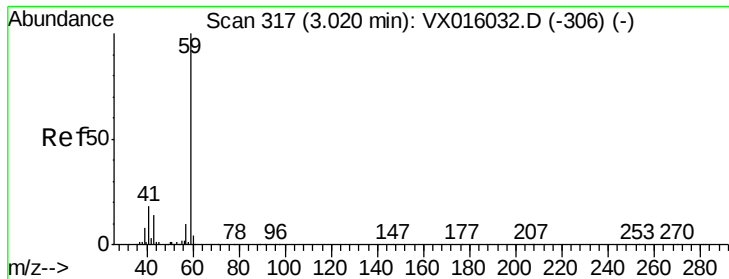
400

200

0

Time-->

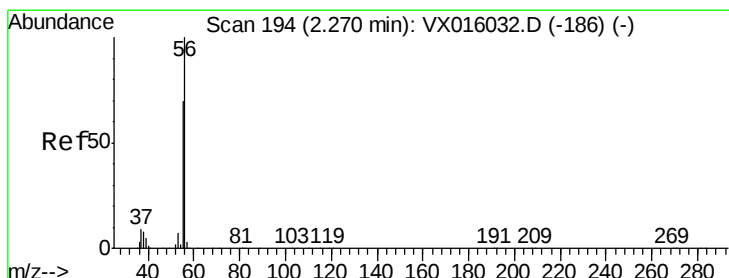
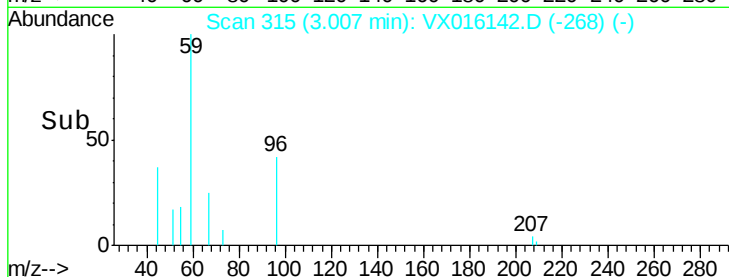
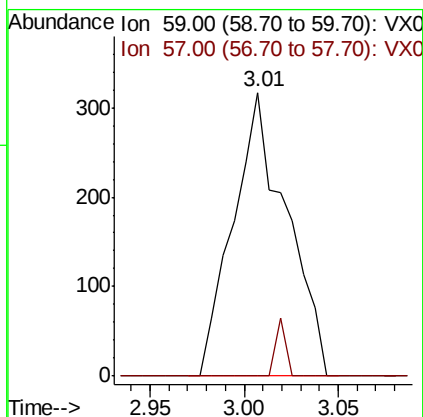
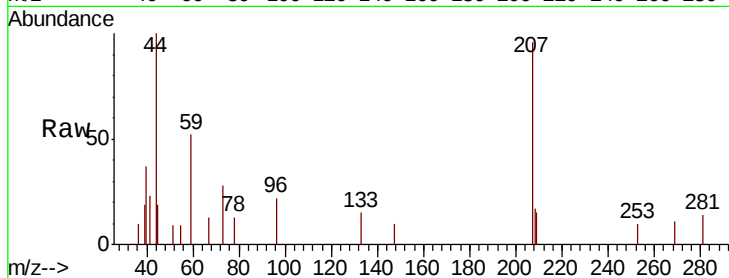




#11
Tert butyl alcohol
Concen: 0.650 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016142.D
Acq: 11 May 2020 12:40

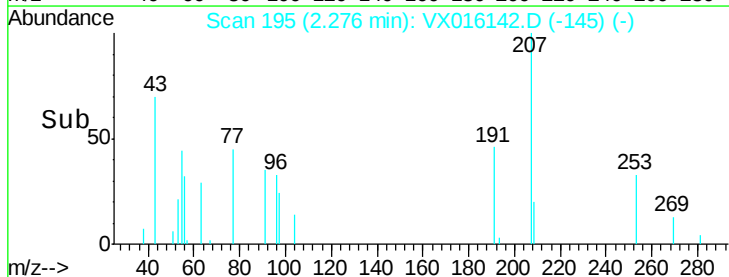
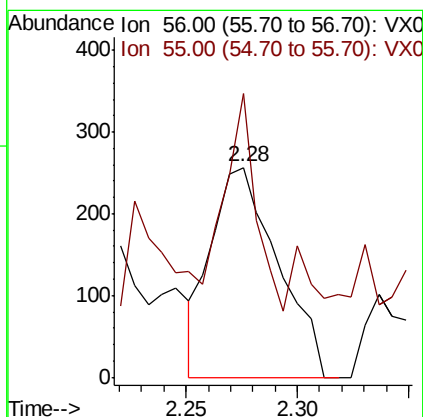
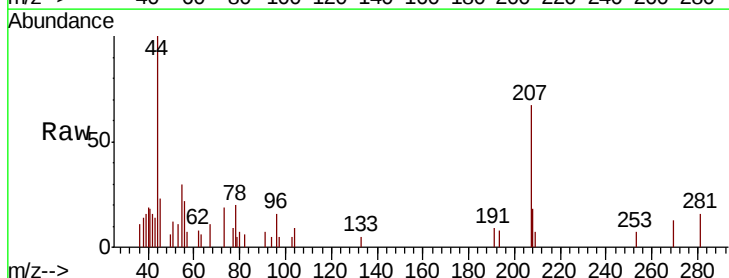
Instrument :
MSVOA_X
ClientSampleId :
SS052MW353-200507

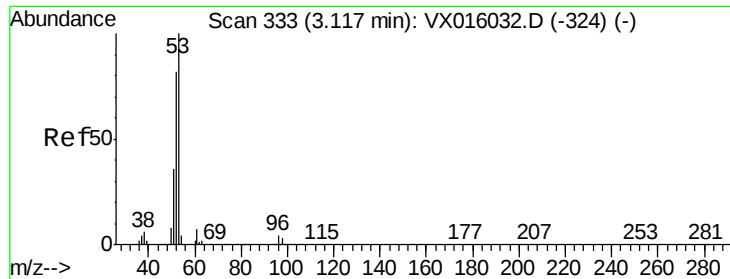
Tot Ion: 59 Resp: 624
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.890 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016142.D
Acq: 11 May 2020 12:40

Tgt Ion: 56 Resp: 535
Ion Ratio Lower Upper
56 100
55 47.7 56.5 84.7#





#15

Acrylonitrile

Concen: 0.461 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

SS052MW353-200507

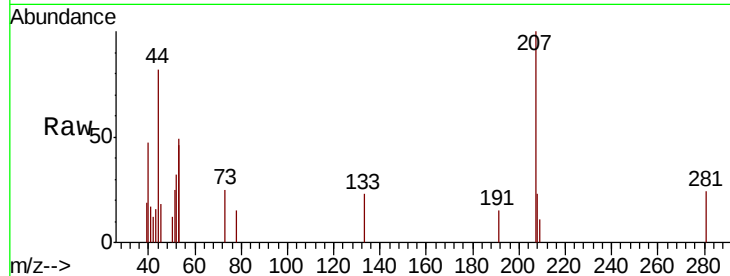
Tot Ion: 53 Resp: 919

Ion Ratio Lower Upper

53 100

52 74.5 66.1 99.1

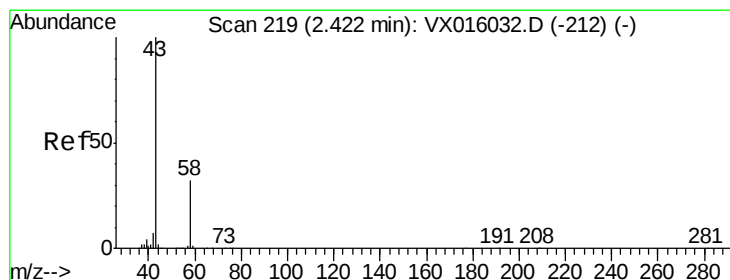
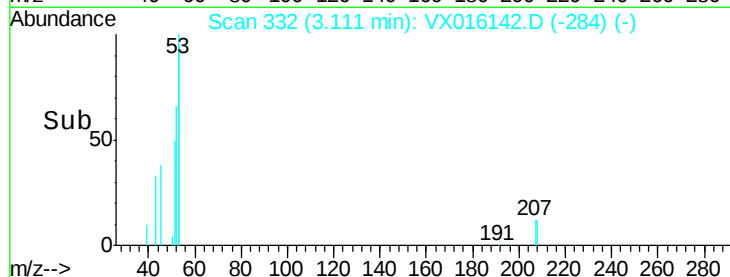
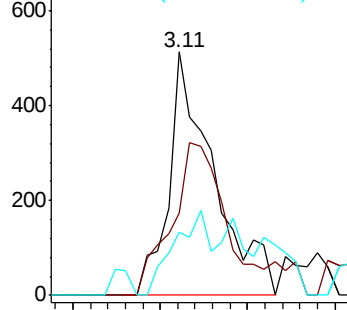
51 31.3 28.8 43.2



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: 1.481 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016142.D

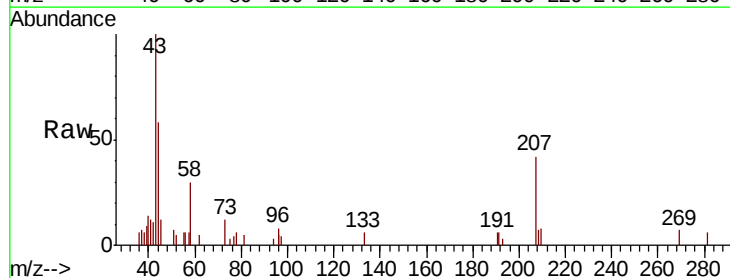
Acq: 11 May 2020 12:40

Tgt Ion: 43 Resp: 2510

Ion Ratio Lower Upper

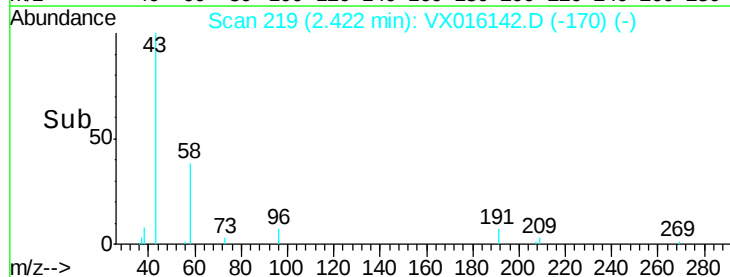
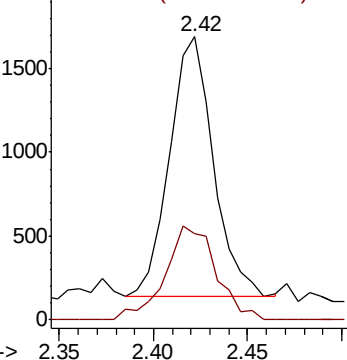
43 100

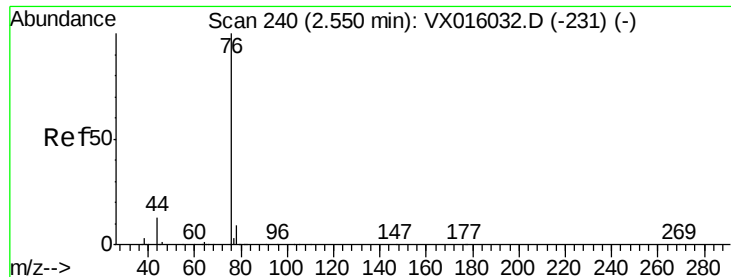
58 33.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.246 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

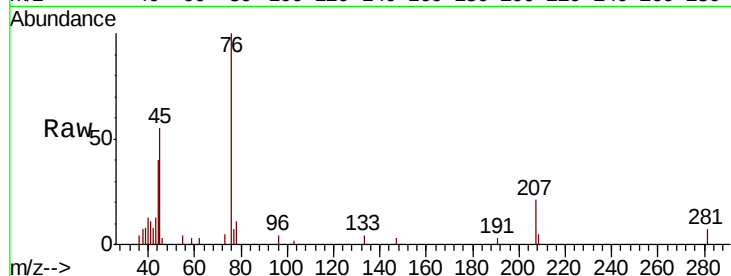
SS052MW353-200507

Tot Ion: 76 Resp: 4075

Ion Ratio Lower Upper

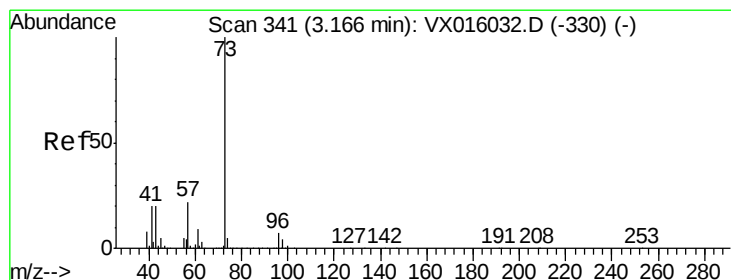
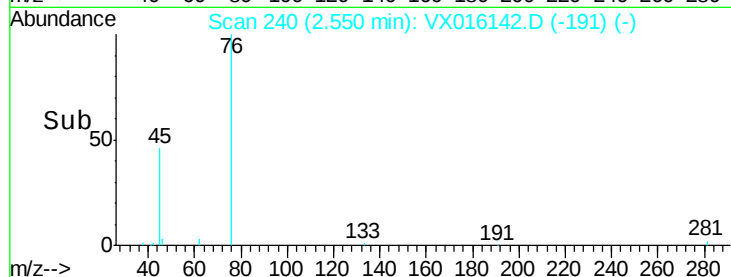
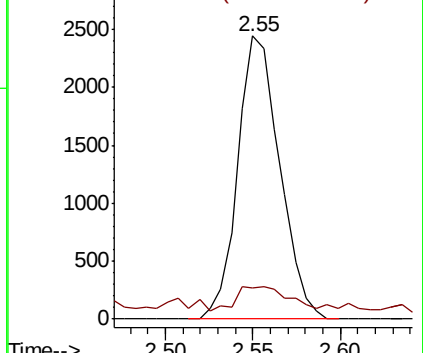
76 100

78 7.5 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#19

Methyl tert-butyl Ether

Concen: 0.973 ug/l

RT: 3.17 min Scan# 342

Delta R.T. 0.01 min

Lab File: VX016142.D

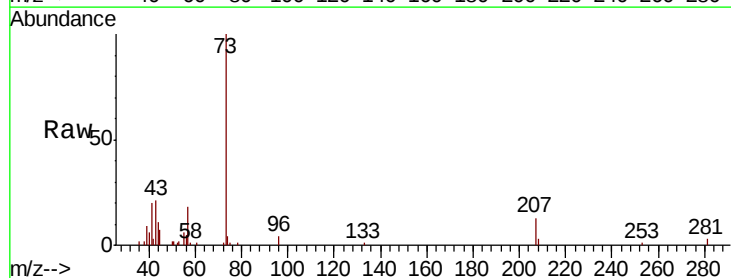
Acq: 11 May 2020 12:40

Tgt Ion: 73 Resp: 10061

Ion Ratio Lower Upper

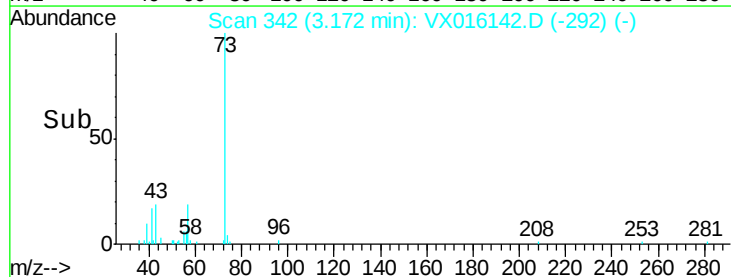
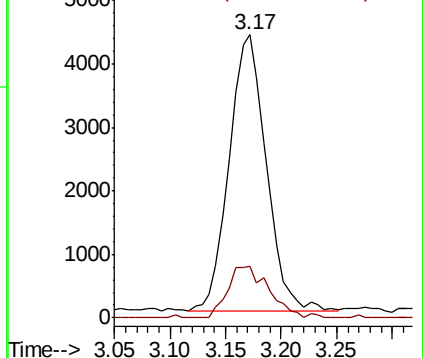
73 100

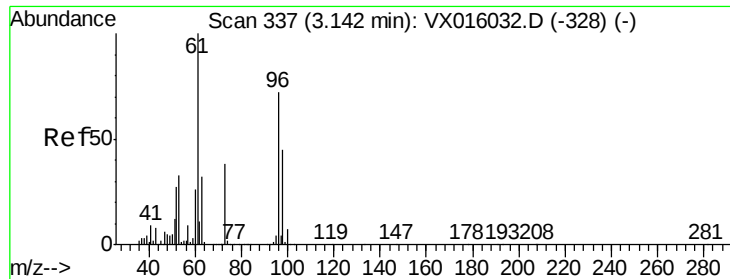
57 18.8 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.254 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

SS052MW353-200507

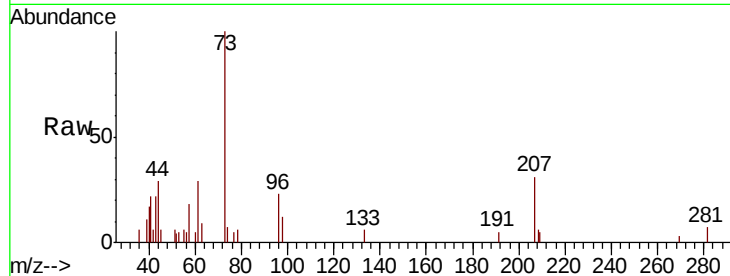
Tot Ion: 96 Resp: 849

Ion Ratio Lower Upper

96 100

61 127.1 111.2 166.8

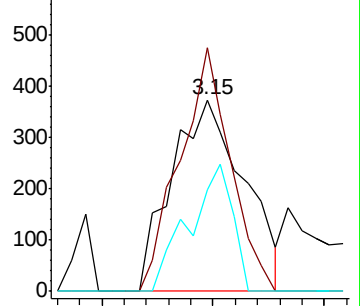
98 53.1 50.2 75.4



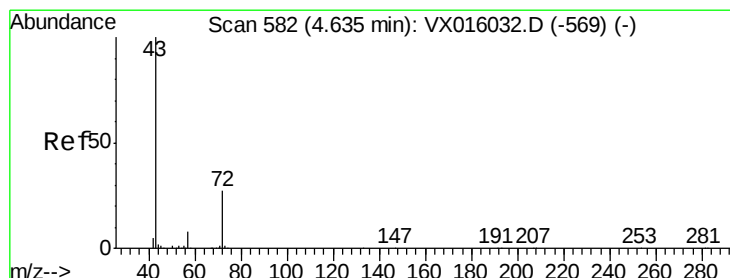
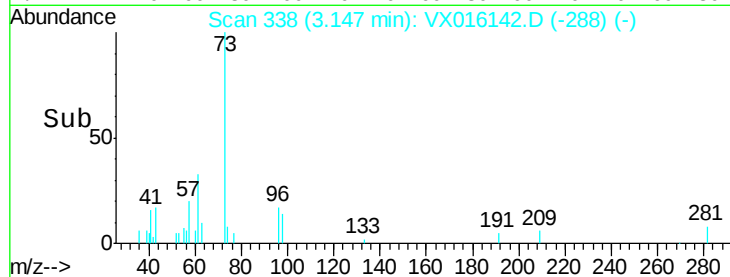
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#25

2-Butanone

Concen: 0.344 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016142.D

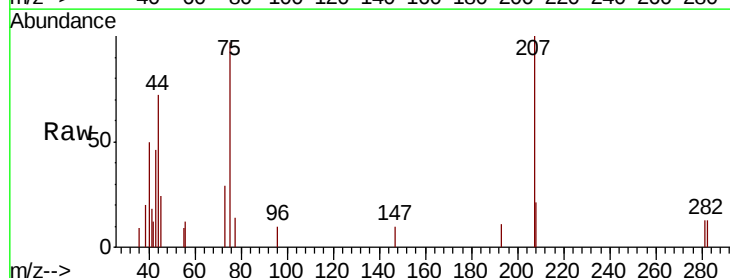
Acq: 11 May 2020 12:40

Tgt Ion: 43 Resp: 940

Ion Ratio Lower Upper

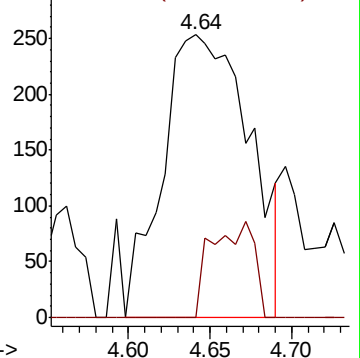
43 100

72 0.0 21.8 32.8#

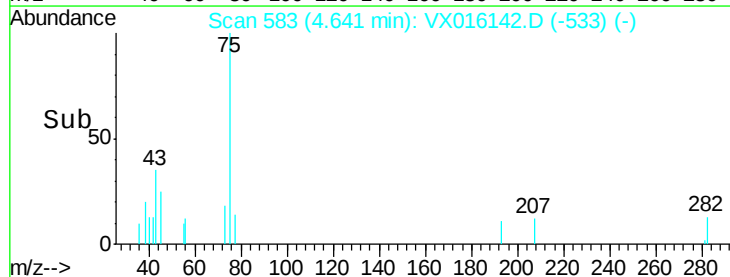


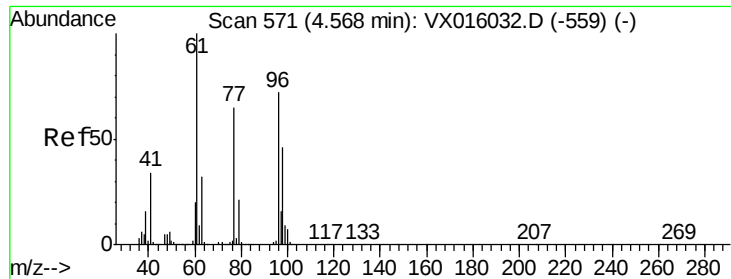
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



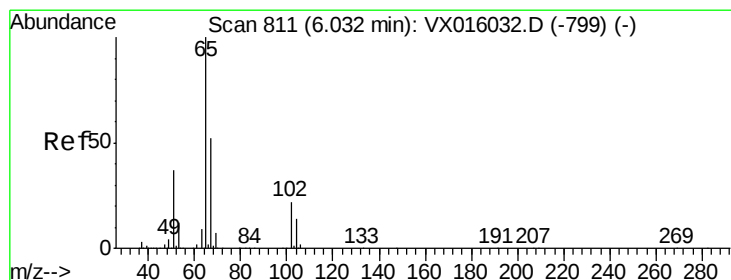
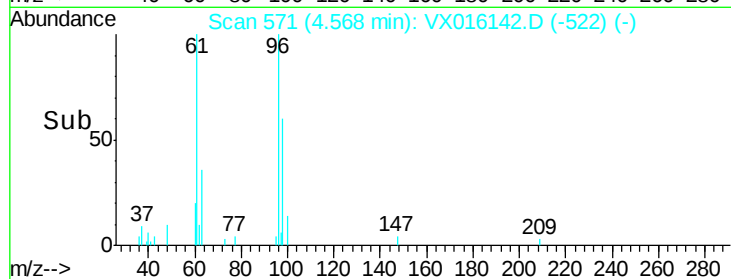
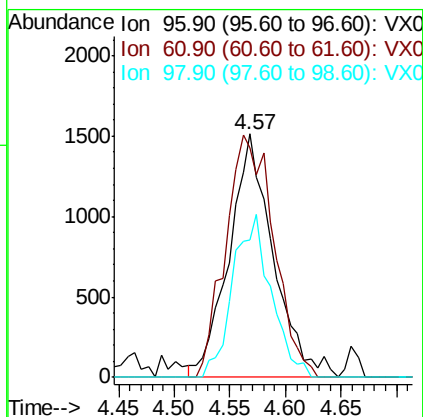
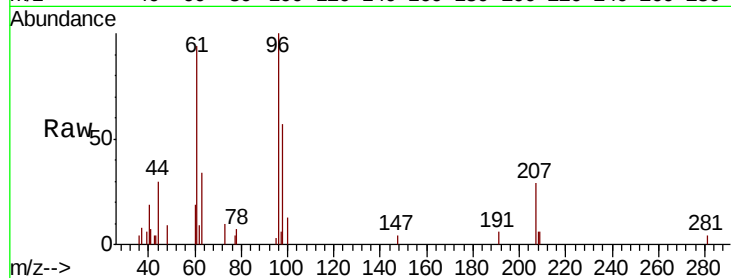


#27

cis-1,2-Dichloroethene
 Concen: 1.141 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016142.D
 Acq: 11 May 2020 12:40

Instrument :
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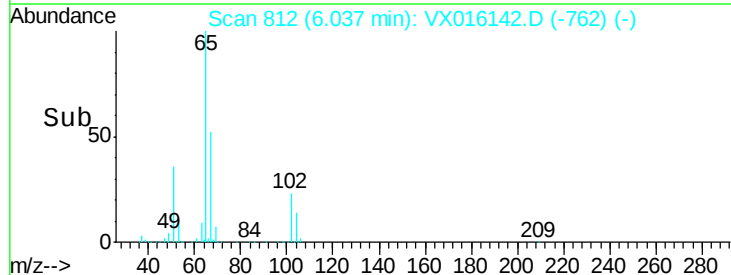
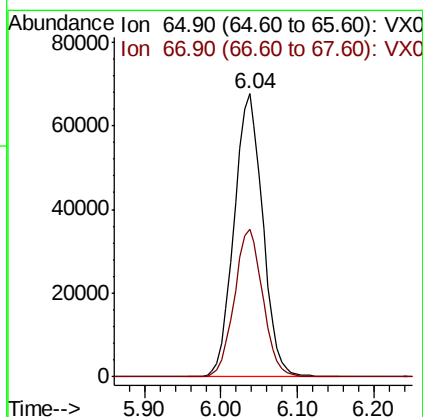
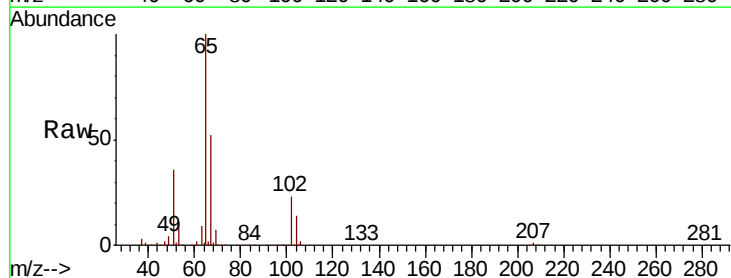
Tot Ion	Ratio	Lower	Upper
96	100		
61	108.4	0.0	296.2
98	57.8	0.0	129.4

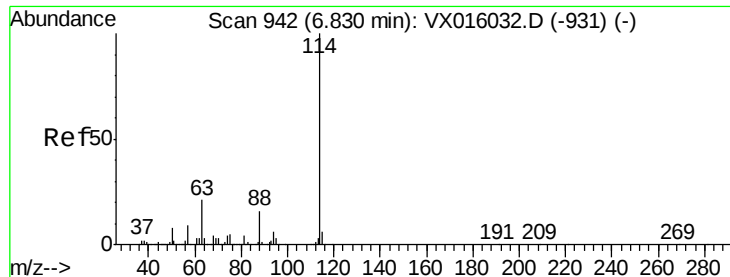


#33

1,2-Dichloroethane-d4
 Concen: 46.166 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016142.D
 Acq: 11 May 2020 12:40

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.0	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: VX016142.D

Acq: 11 May 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

SS052MW353-200507

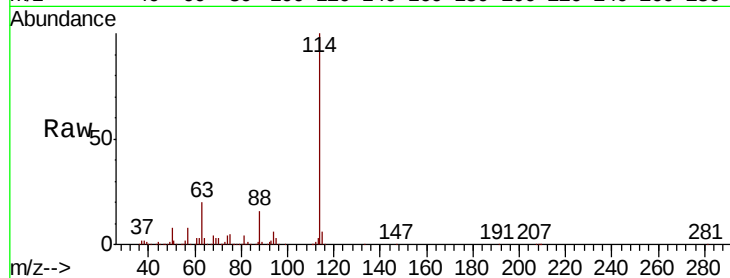
Tot Ion:114 Resp: 471203

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.8

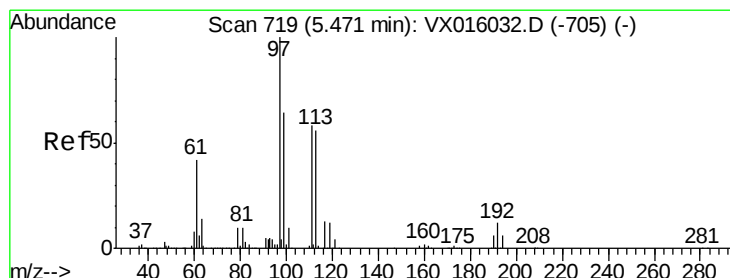
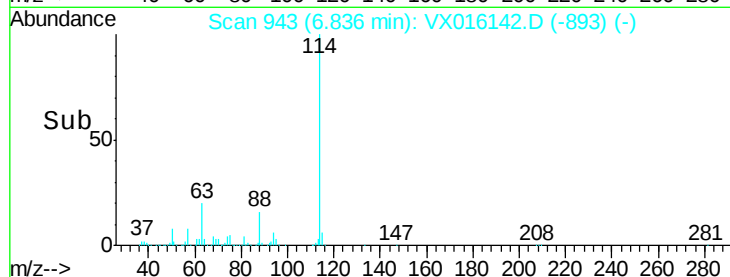
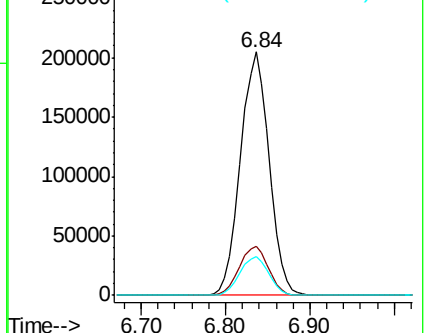
88 15.9 0.0 31.4



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: 46.787 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

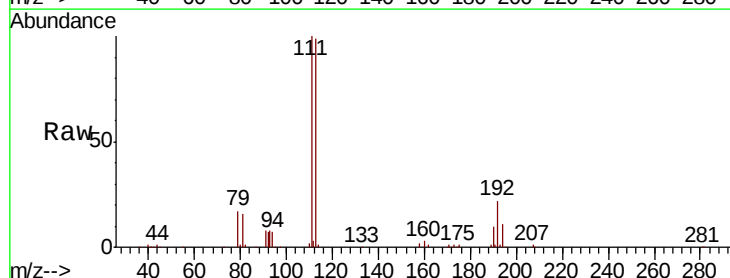
Tgt Ion:113 Resp: 139673

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

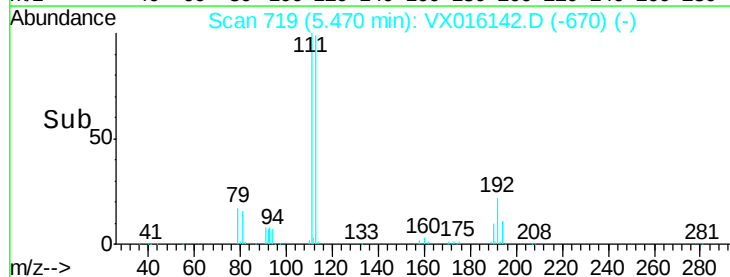
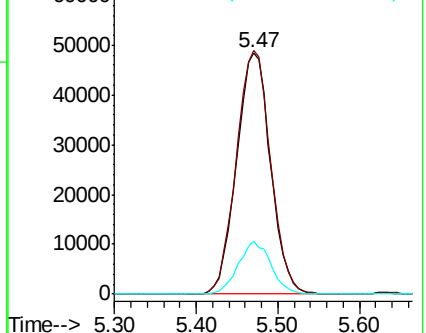
192 21.2 17.0 25.4

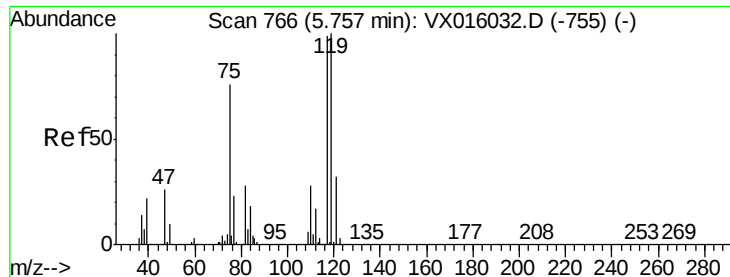


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.815 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

SS052MW353-200507

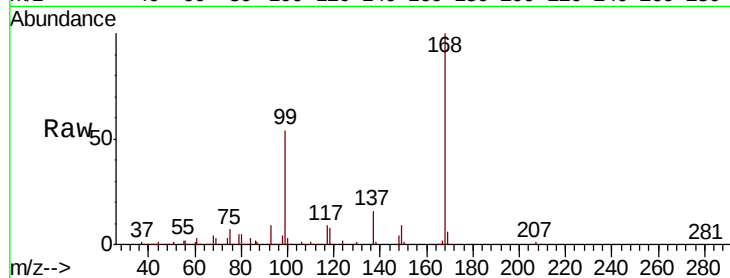
Tot Ion:117 Resp: 27413

Ion Ratio Lower Upper

117 100

119 5.1 80.3 120.5#

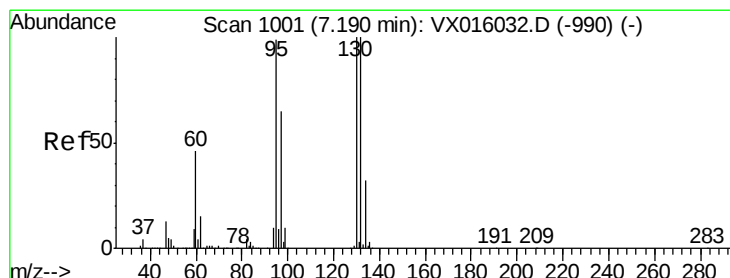
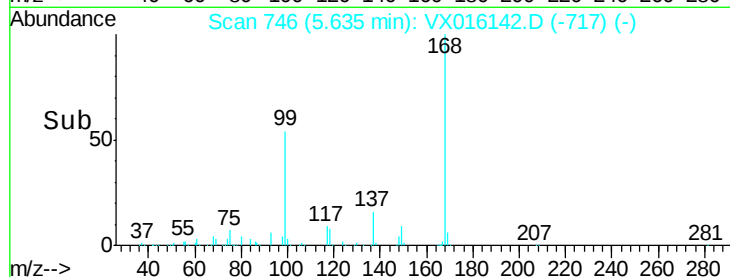
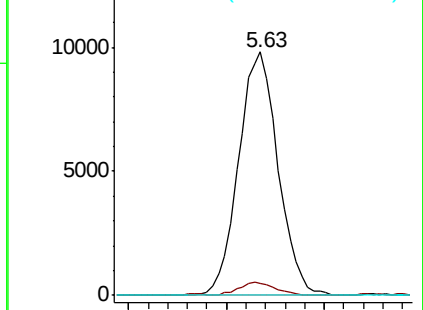
121 0.0 25.7 38.5#



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



#44

Trichloroethene

Concen: 0.710 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016142.D

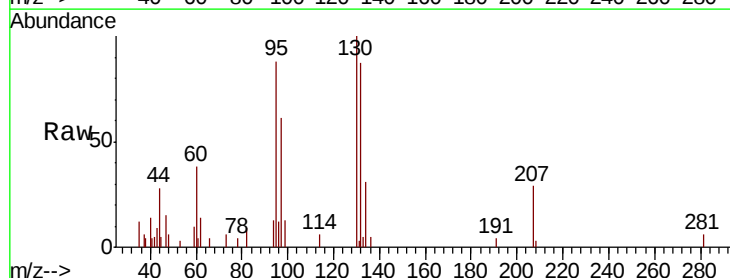
Acq: 11 May 2020 12:40

Tgt Ion:130 Resp: 3424

Ion Ratio Lower Upper

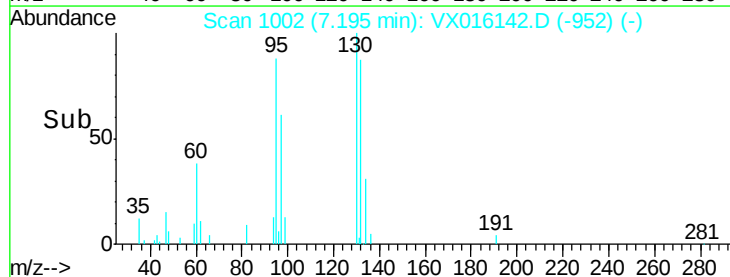
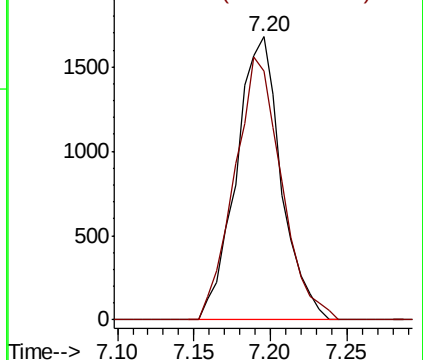
130 100

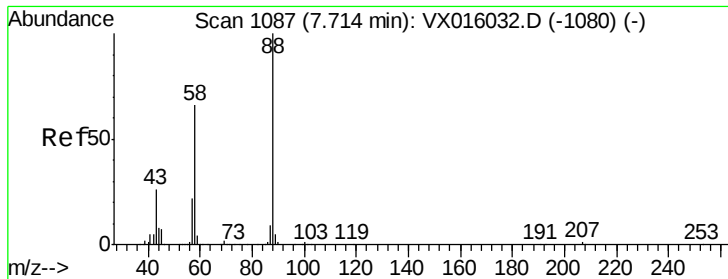
95 87.8 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.451 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

SS052MW353-200507

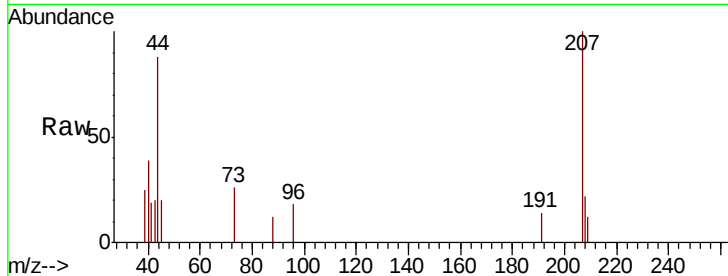
Tot Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 54.5 55.9 83.9#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

250

200

150

100

50

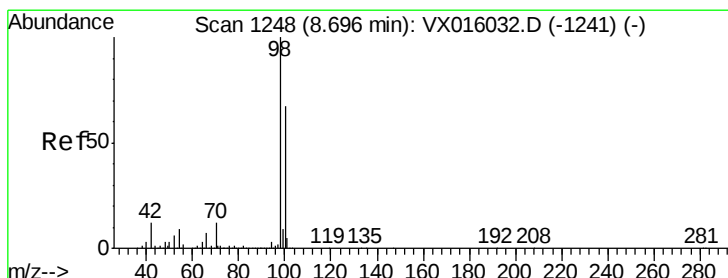
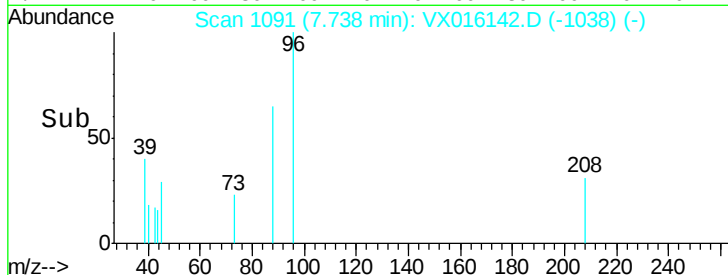
0

7.72

7.74

7.76

Time-->



#50

Toluene-d8

Concen: 49.714 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016142.D

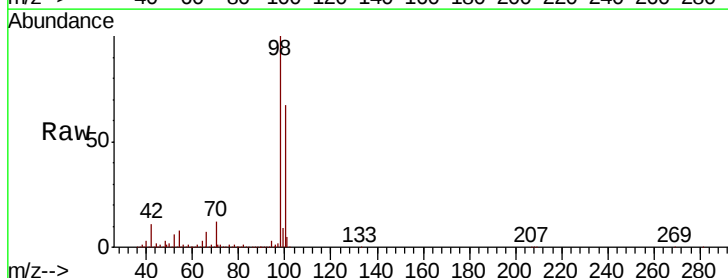
Acq: 11 May 2020 12:40

Tgt Ion: 98 Resp: 571835

Ion Ratio Lower Upper

98 100

100 66.8 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

400000

300000

200000

100000

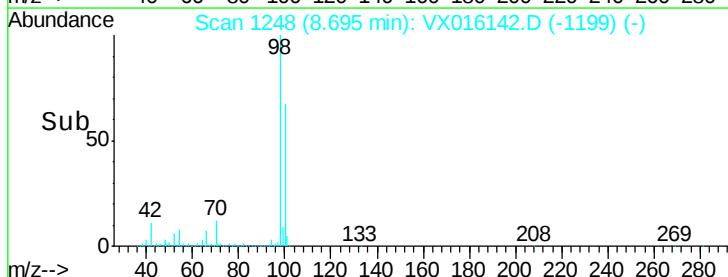
0

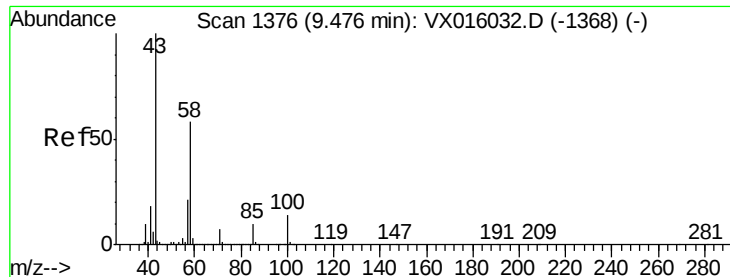
8.60

8.70

8.80

Time-->

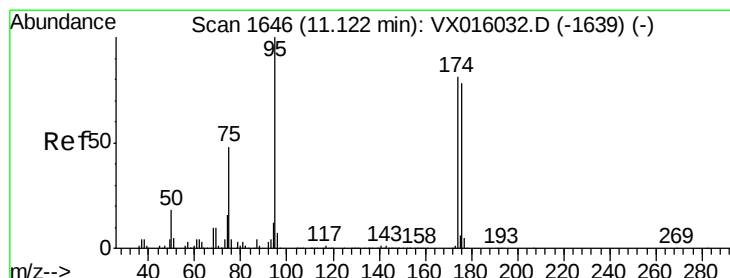
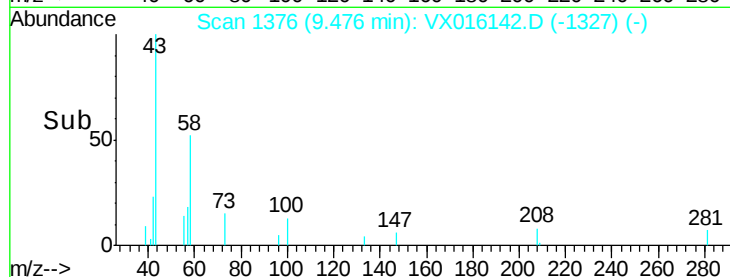
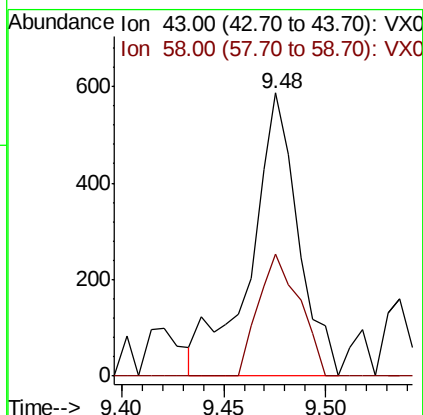
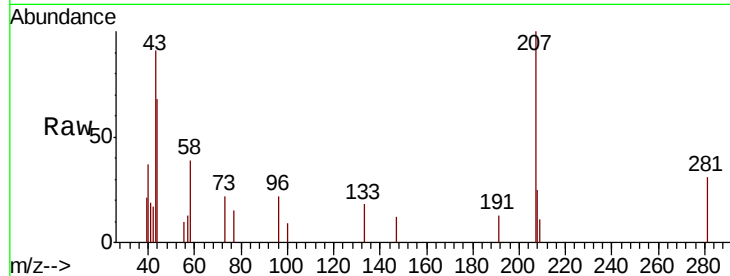




#59
2-Hexanone
Concen: 0.230 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016142.D
Acq: 11 May 2020 12:40

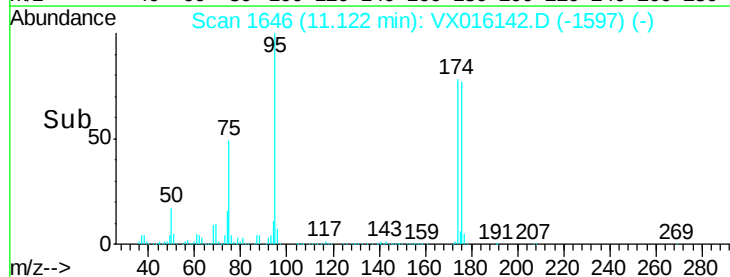
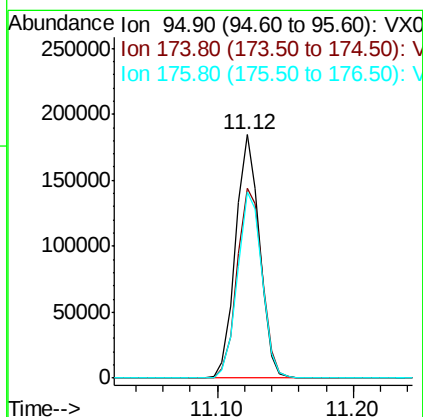
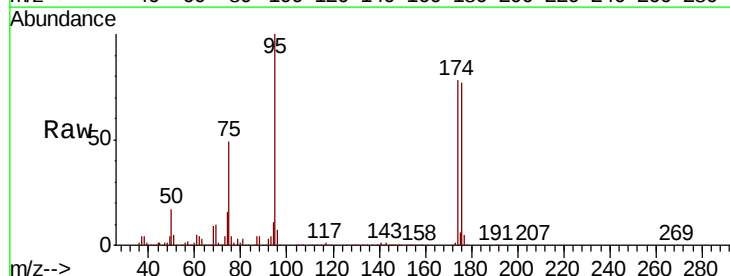
Instrument :
MSVOA_X
ClientSampleId :
SS052MW353-200507

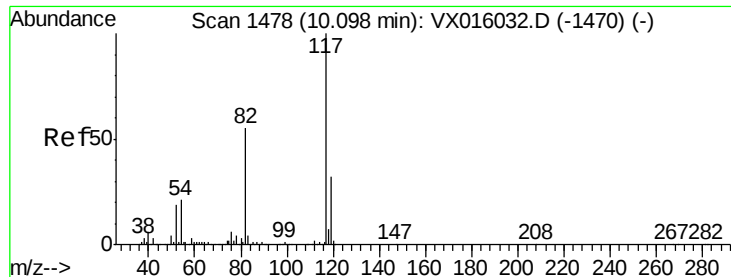
Tot Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
58 37.7 28.6 85.9



#62
4-Bromofluorobenzene
Concen: 51.654 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016142.D
Acq: 11 May 2020 12:40

Tgt Ion: 95 Resp: 225984
Ion Ratio Lower Upper
95 100
174 81.8 0.0 159.4
176 78.4 0.0 157.6

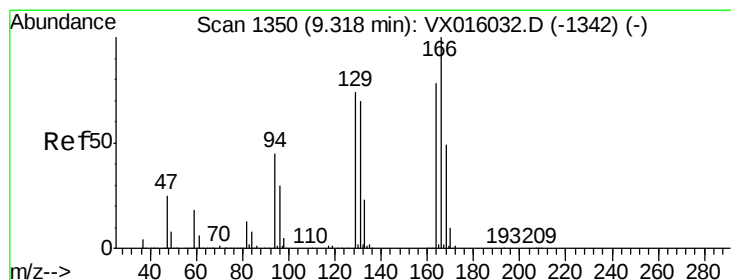
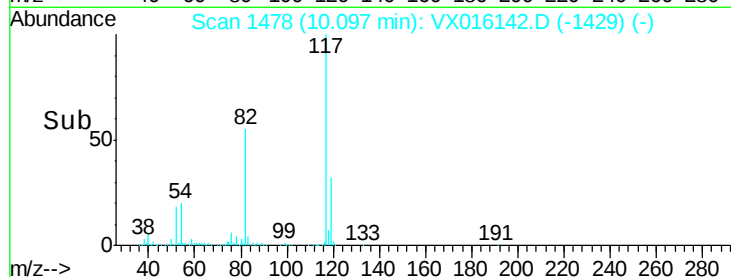
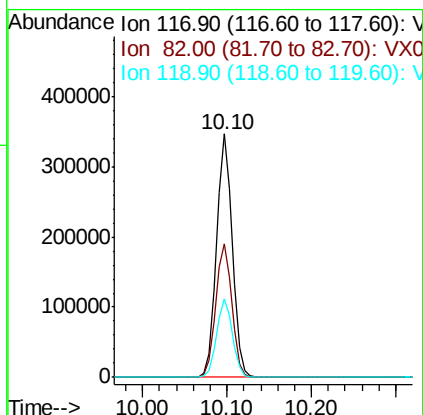
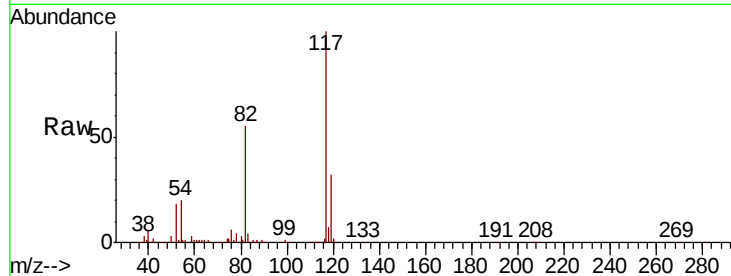




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016142.D
Acq: 11 May 2020 12:40

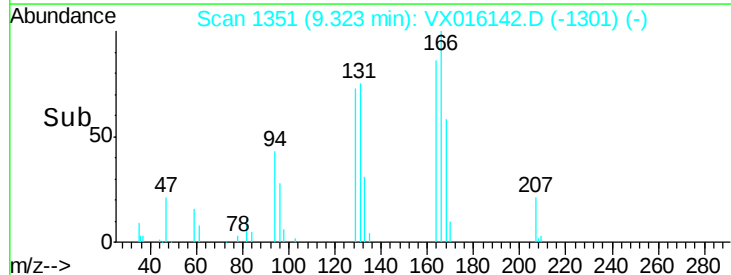
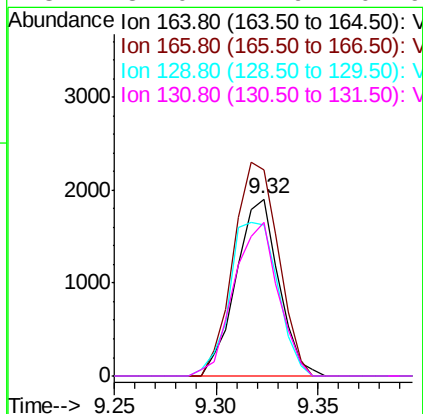
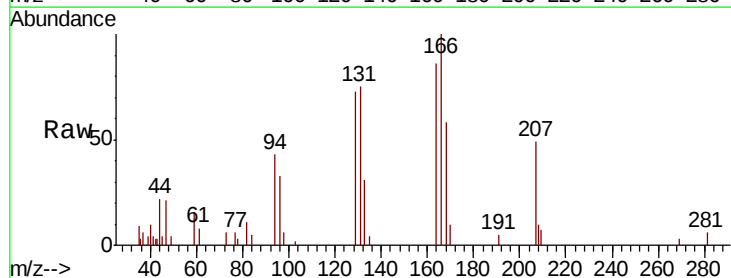
Instrument :
MSVOA_X
ClientSampleId :
SS052MW353-200507

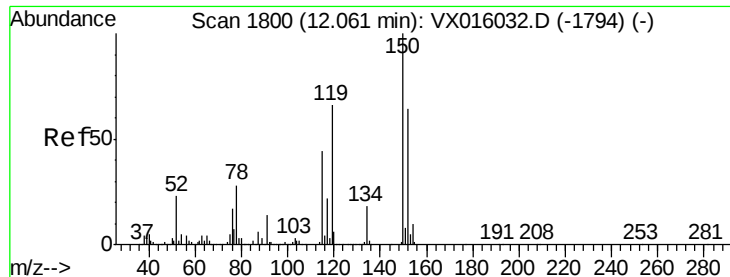
Tot Ion:117 Resp: 452739
Ion Ratio Lower Upper
117 100
82 54.7 44.4 66.6
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 0.498 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016142.D
Acq: 11 May 2020 12:40

Tgt Ion:164 Resp: 2769
Ion Ratio Lower Upper
164 100
166 116.6 102.9 154.3
129 85.1 76.1 114.1
131 87.0 71.9 107.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

SS052MW353-200507

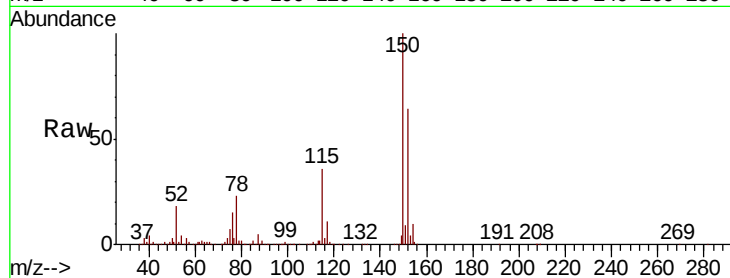
Tot Ion:152 Resp: 225264

Ion Ratio Lower Upper

152 100

115 59.3 41.3 124.1

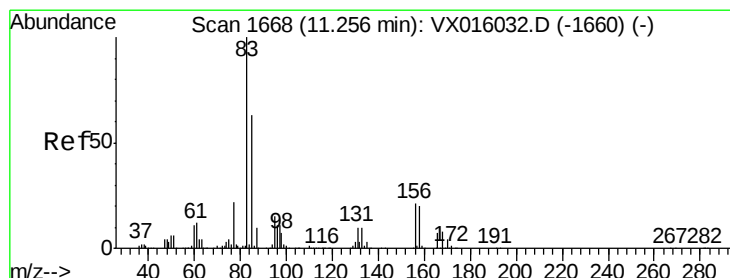
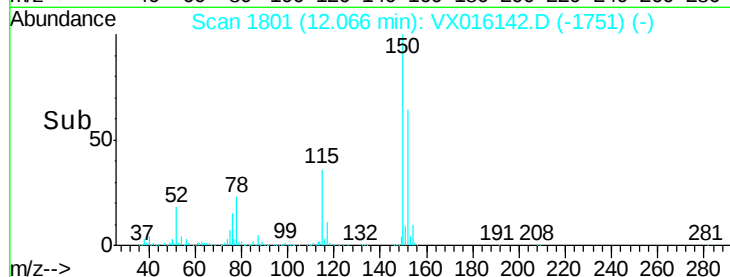
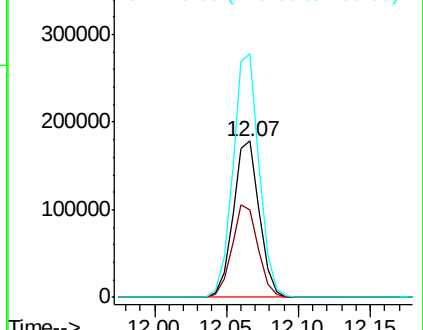
150 156.4 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: 2.077 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

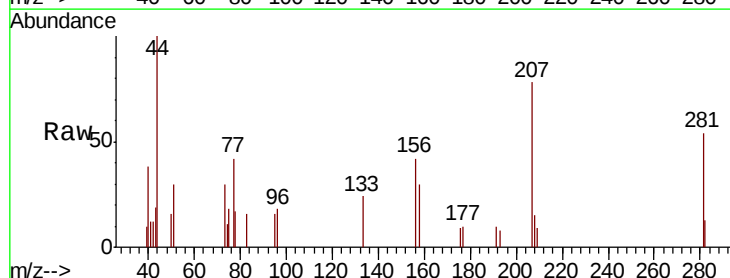
Tgt Ion: 83 Resp: 85

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

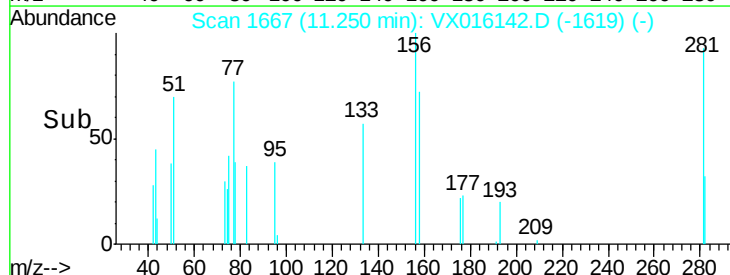
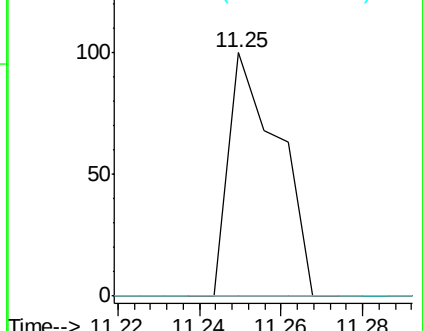
85 0.0 32.0 96.0#

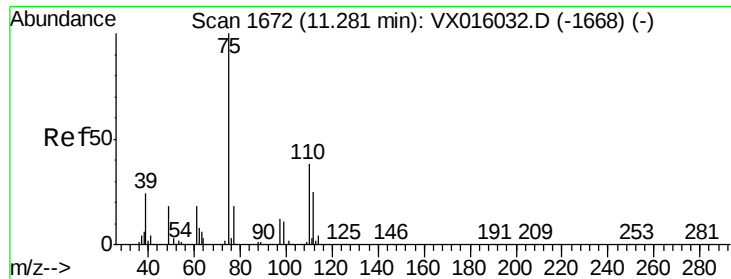


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.639 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

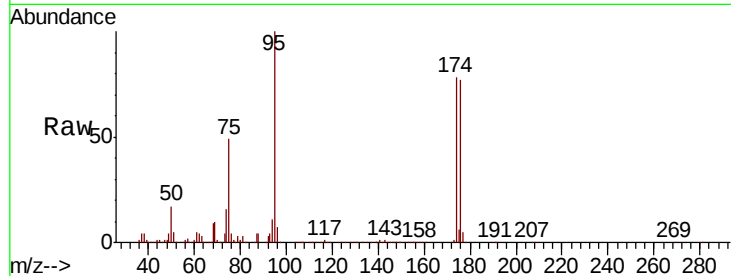
SS052MW353-200507

Tot Ion: 75 Resp: 110615

Ion Ratio Lower Upper

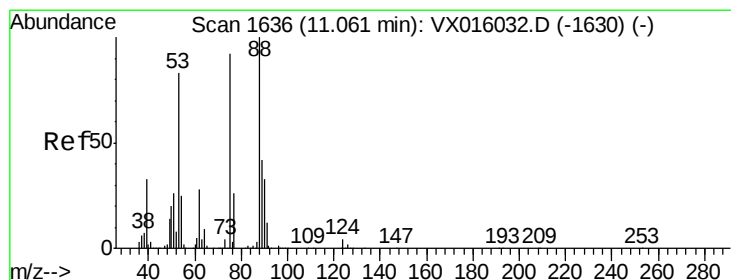
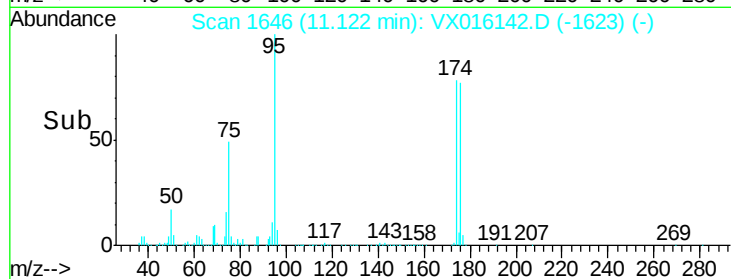
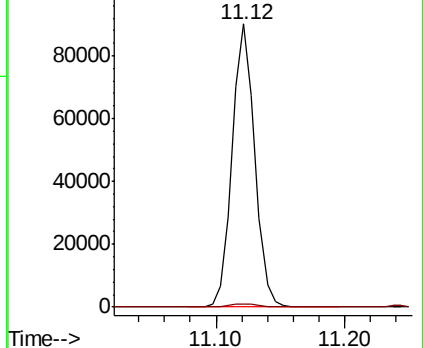
75 100

77 1.3 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: 51.568 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

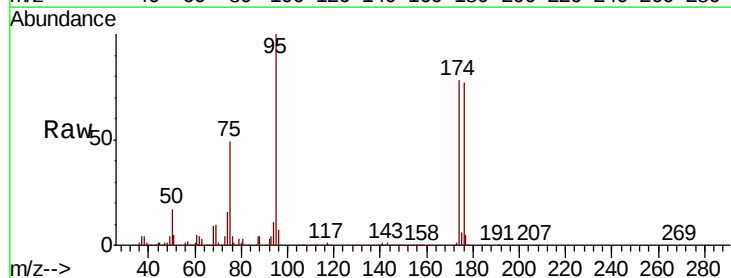
Tgt Ion: 75 Resp: 110615

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

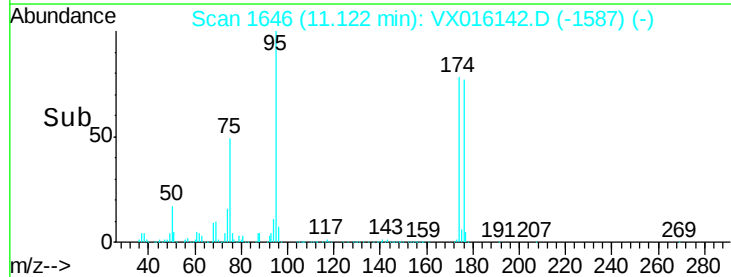
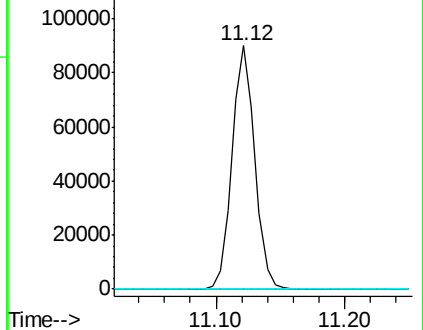
89 0.0 36.7 55.1#

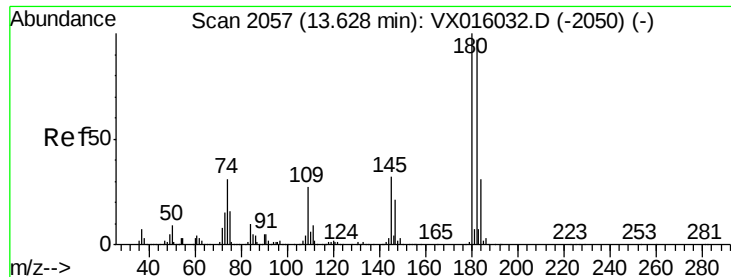


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

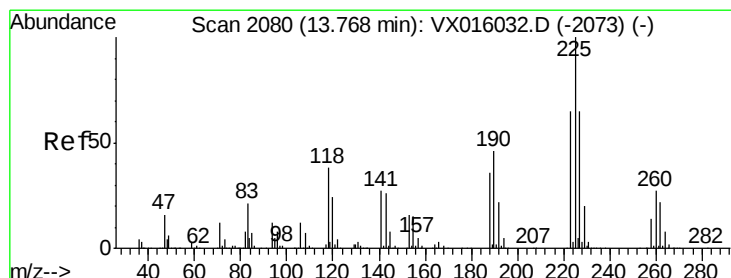
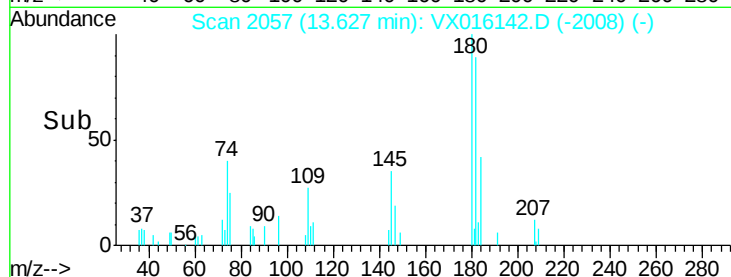
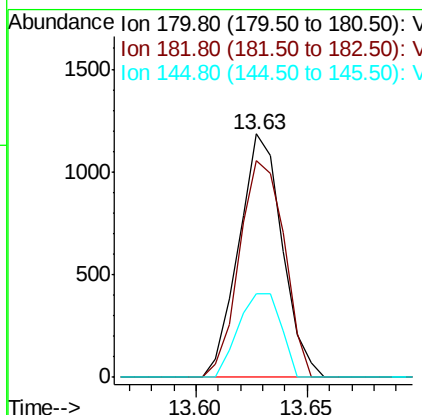
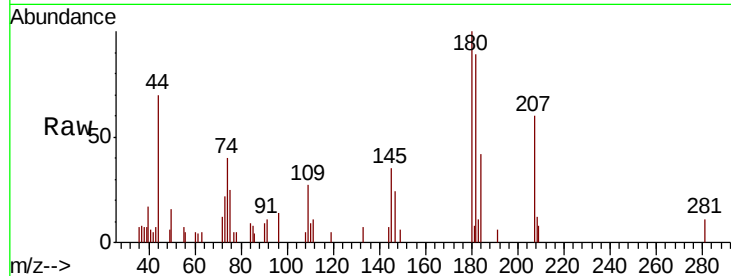




#93
 1,2,4-Trichlorobenzene
 Concen: 0.299 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016142.D
 Acq: 11 May 2020 12:40

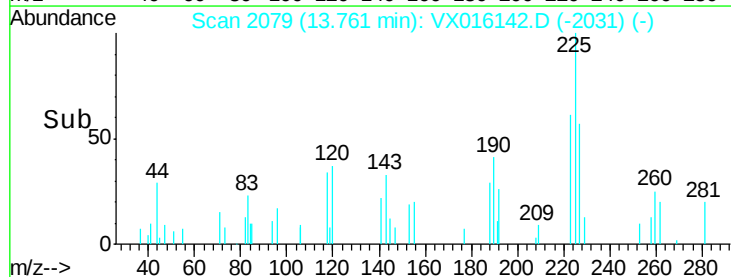
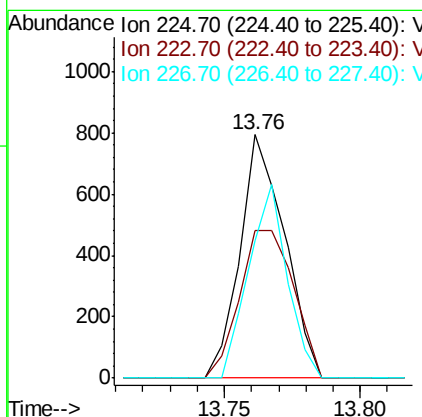
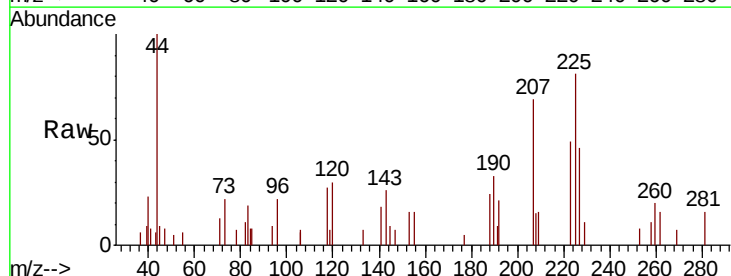
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW353-200507

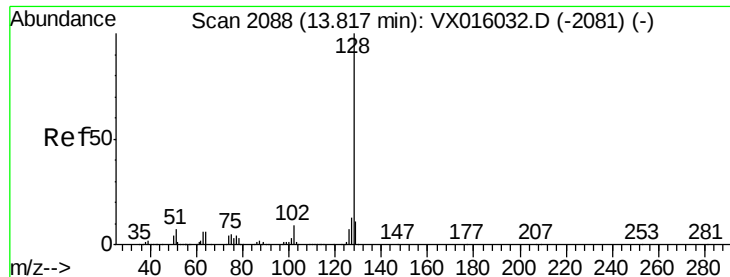
Tot Ion:180 Resp: 1616
 Ion Ratio Lower Upper
 180 100
 182 91.4 48.7 146.1
 145 33.5 15.7 47.1



#94
 Hexachlorobutadiene
 Concen: 0.907 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016142.D
 Acq: 11 May 2020 12:40

Tgt Ion:225 Resp: 903
 Ion Ratio Lower Upper
 225 100
 223 73.6 32.3 96.9
 227 68.2 31.8 95.4





#95

Naphthalene

Concen: 0.245 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

SS052MW353-200507

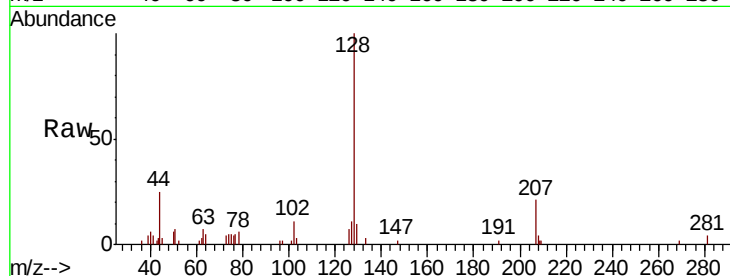
Tot Ion:128 Resp: 4302

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

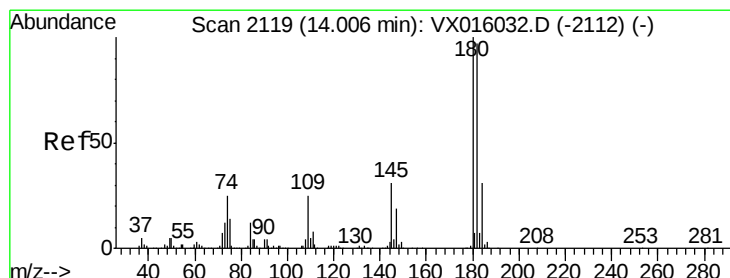
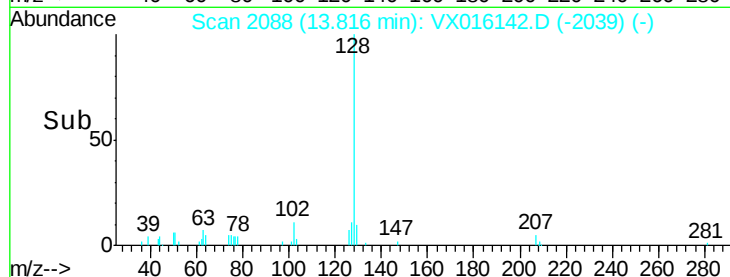
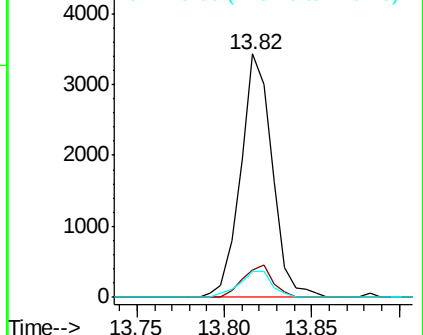
129 11.0 8.7 13.1



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: 0.288 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016142.D

Acq: 11 May 2020 12:40

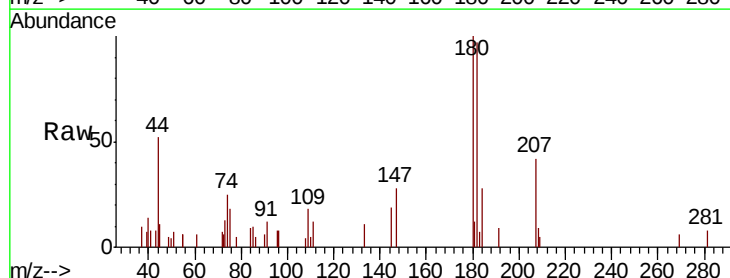
Tgt Ion:180 Resp: 1524

Ion Ratio Lower Upper

180 100

182 99.3 48.4 145.0

145 29.5 16.4 49.1



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

