

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019276.D
 Acq On : 04 Nov 2020 18:12
 Operator : JC/MD
 Sample : VX1106WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 05 02:22:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	285883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	503195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	474481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	236992	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	199754	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	
35) Dibromofluoromethane	5.46	113	157683	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	8.70	98	623536	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	11.12	95	235515	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	

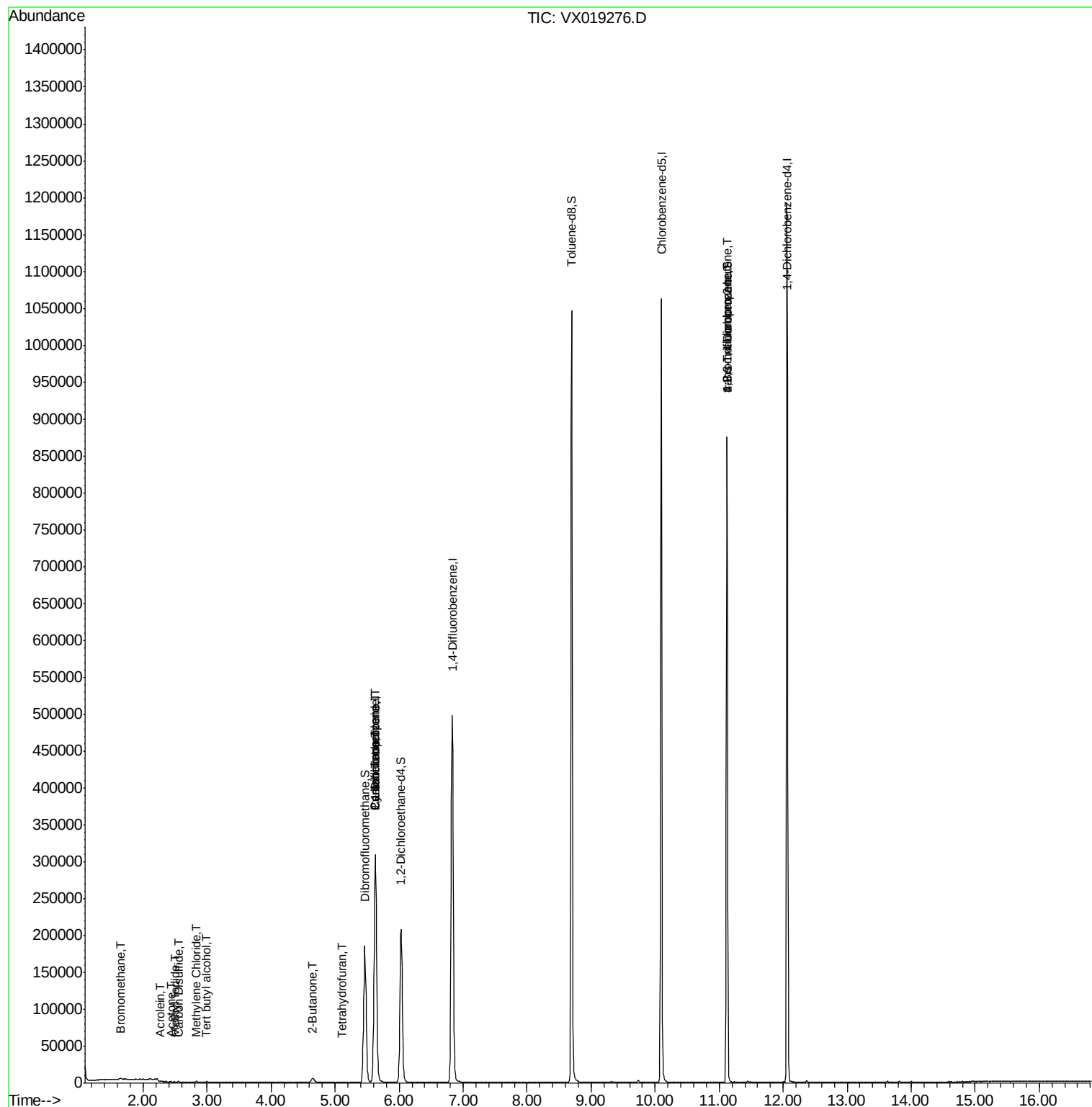
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	589	0.279	ug/l	95
10) Methyl Iodide	2.50	142	611	6.546	ug/l #	95
11) Tert butyl alcohol	2.99	59	774	1.063	ug/l #	72
13) Acrolein	2.27	56	21	5.711	ug/l #	16
16) Acetone	2.43	43	1132	0.890	ug/l	98
17) Carbon Disulfide	2.55	76	1300	0.922	ug/l #	87
20) Methylene Chloride	2.84	84	663	0.208	ug/l #	73
25) 2-Butanone	4.64	43	553	0.276	ug/l #	44
29) Tetrahydrofuran	5.11	42	256	0.203	ug/l #	26
31) Cyclohexane	5.63	56	6335	1.359	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24610	5.296	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29989	6.332	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	122209	24.974	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	122209	65.757	ug/l #	12

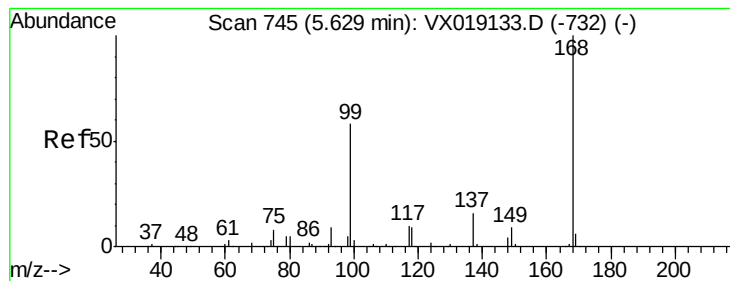
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

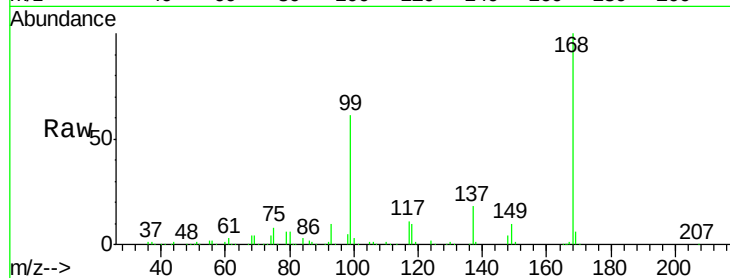
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 285883

Ion Ratio Lower Upper

168 100

99 61.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

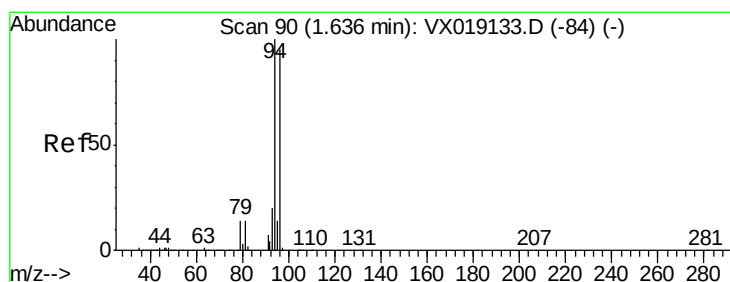
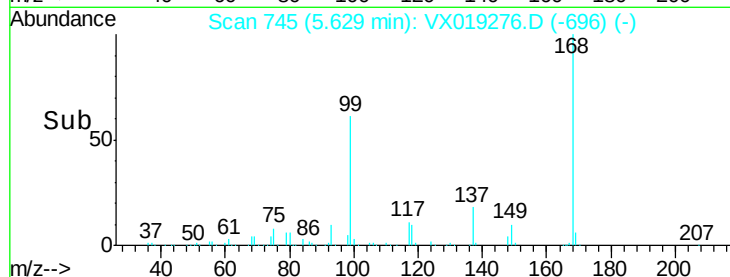
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.279 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019276.D

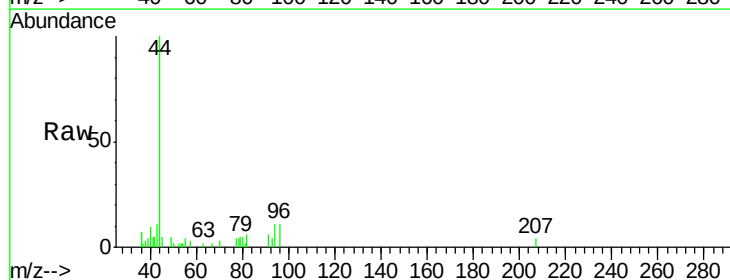
Acq: 04 Nov 2020 18:12

Tgt Ion: 94 Resp: 589

Ion Ratio Lower Upper

94 100

96 100.3 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

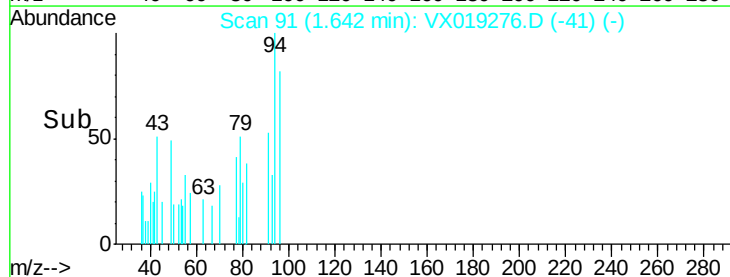
300

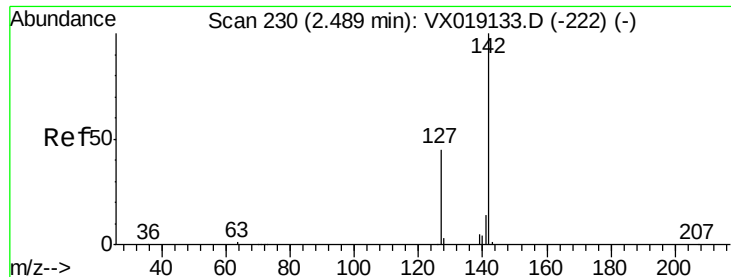
200

100

0

Time-->

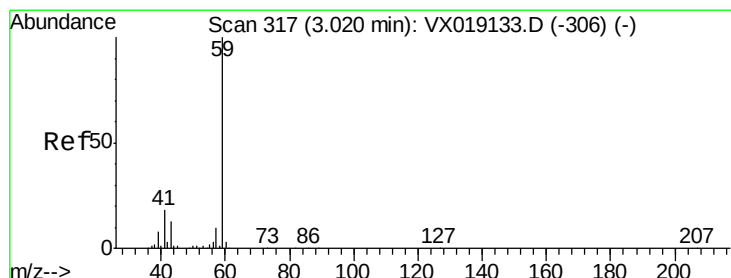
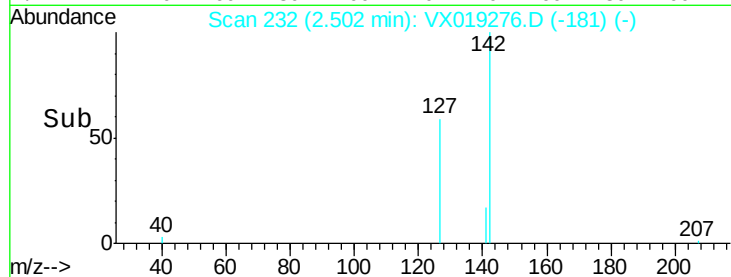
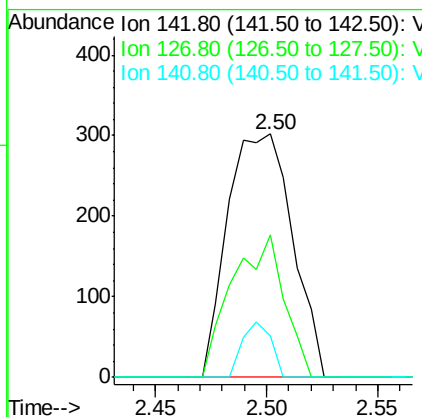
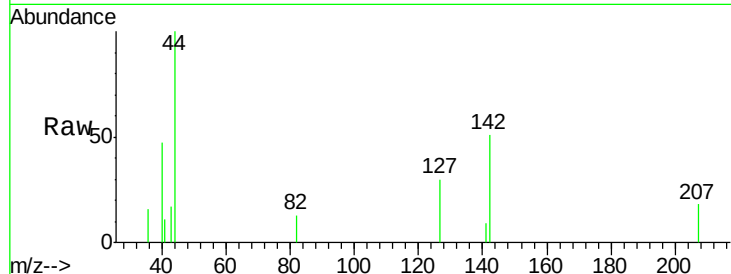




#10
Methyl Iodide
Concen: 6.546 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX019276.D
Acq: 04 Nov 2020 18:12

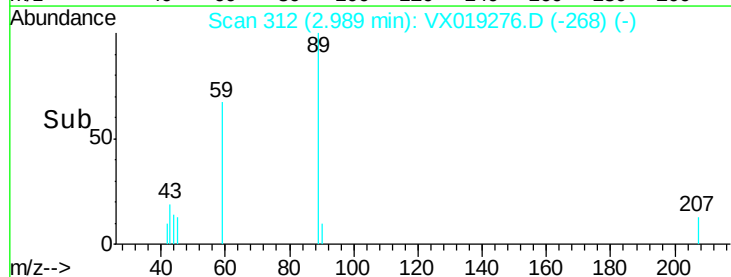
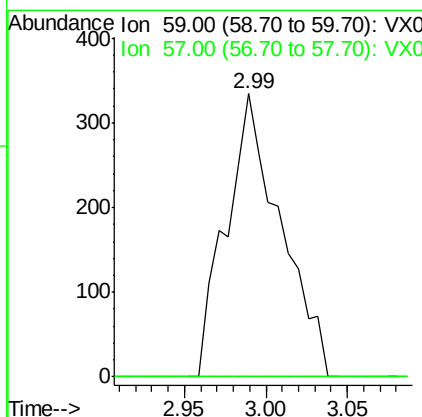
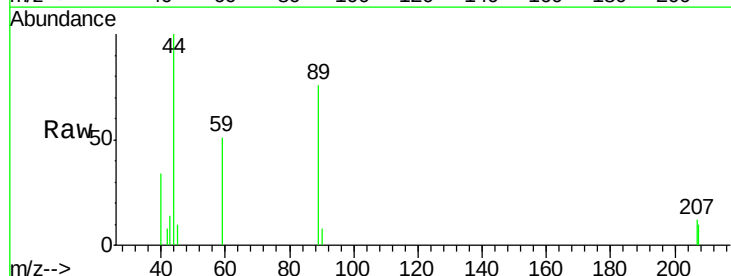
Instrument :
MSVOA_X
ClientSampled :

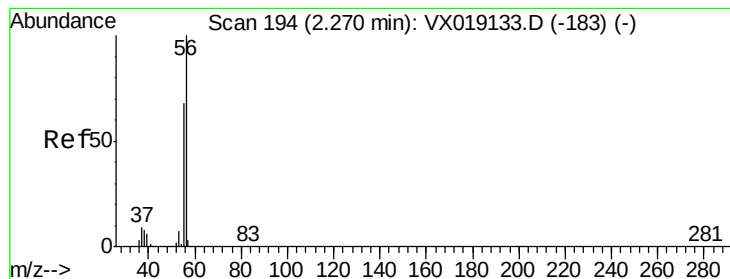
Tot Ion:142 Resp: 611
Ion Ratio Lower Upper
142 100
127 47.1 36.1 54.1
141 10.3 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.063 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX019276.D
Acq: 04 Nov 2020 18:12

Tgt Ion: 59 Resp: 774
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 5.711 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

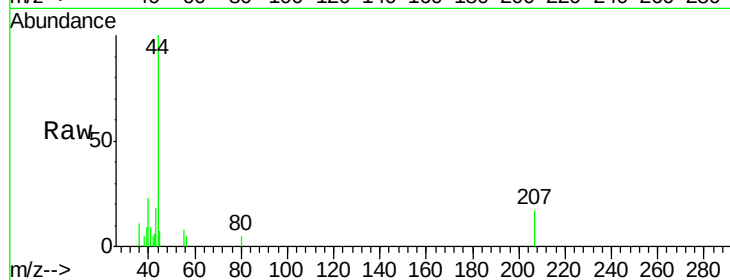
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 21

Ion Ratio Lower Upper

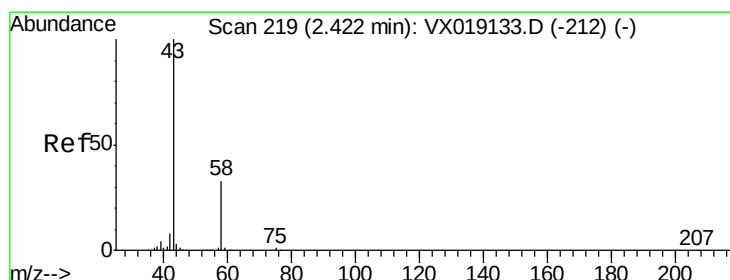
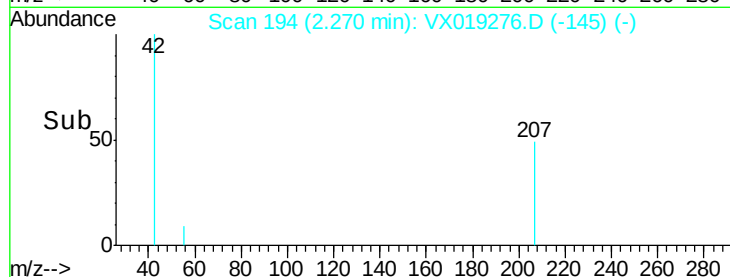
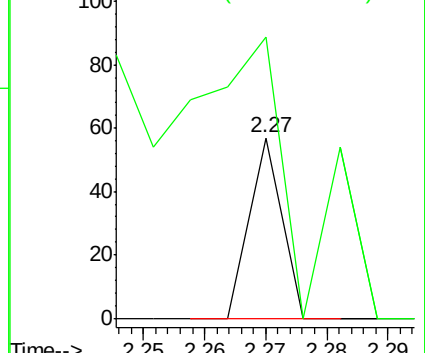
56 100

55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.890 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019276.D

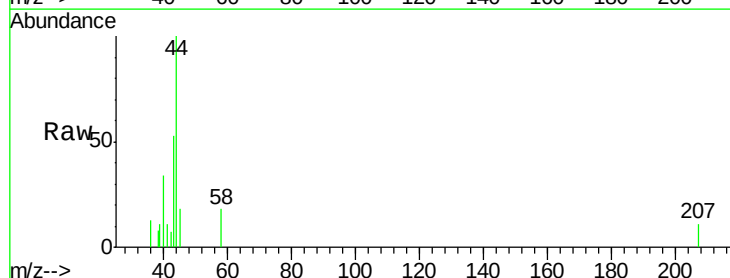
Acq: 04 Nov 2020 18:12

Tgt Ion: 43 Resp: 1132

Ion Ratio Lower Upper

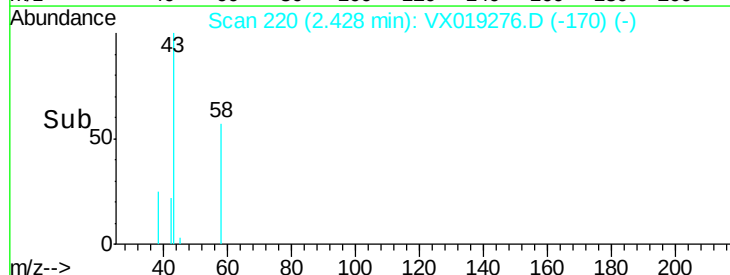
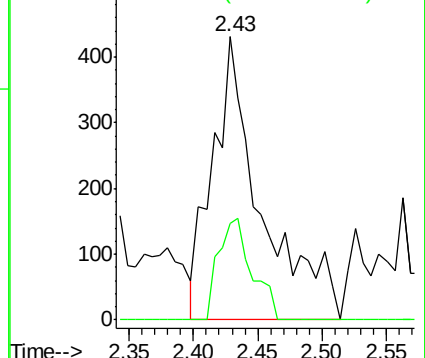
43 100

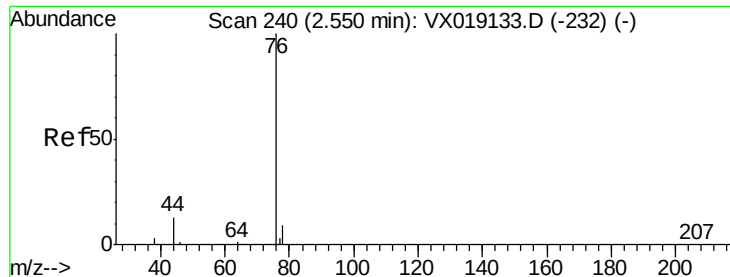
58 33.9 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.922 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

Instrument :

MSVOA_X

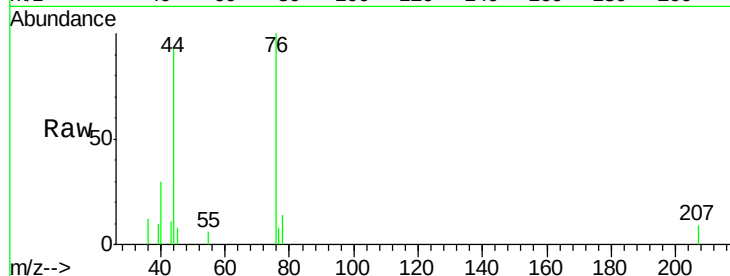
ClientSampleId :

Tot Ion: 76 Resp: 1300

Ion Ratio Lower Upper

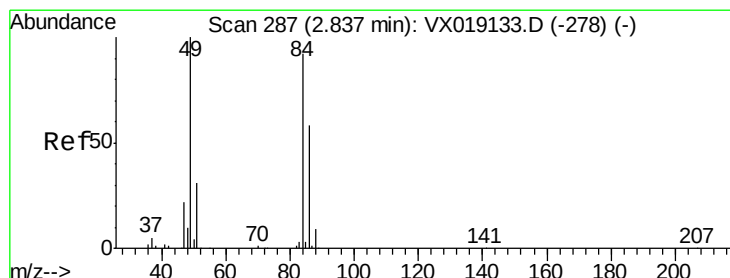
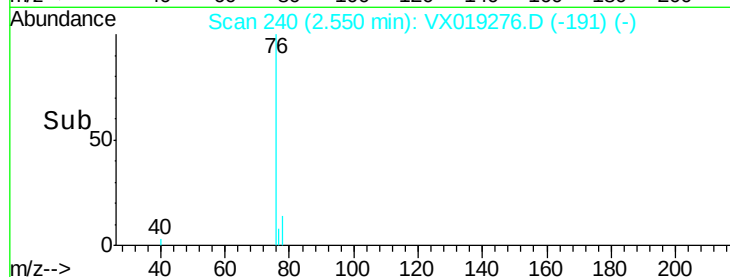
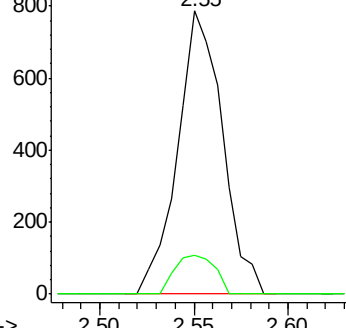
76 100

78 13.7 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: 0.208 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

Tgt Ion: 84 Resp: 663

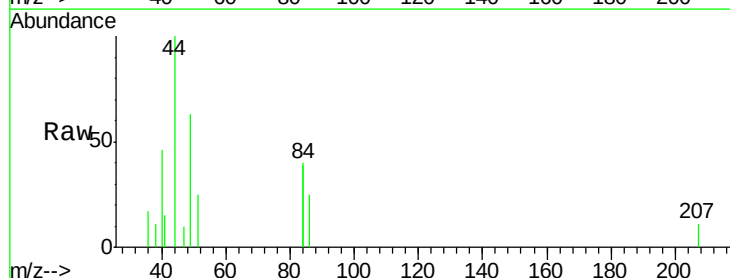
Ion Ratio Lower Upper

84 100

49 80.2 86.8 130.2#

51 32.1 27.3 40.9

86 32.3 50.6 76.0#

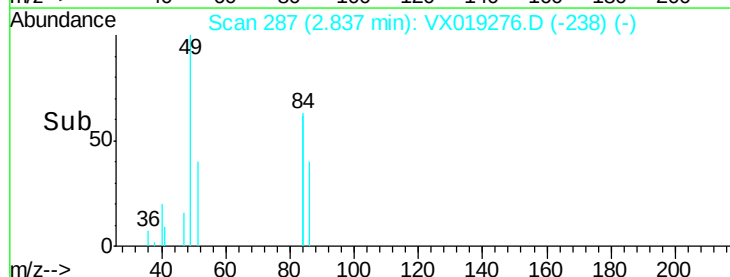
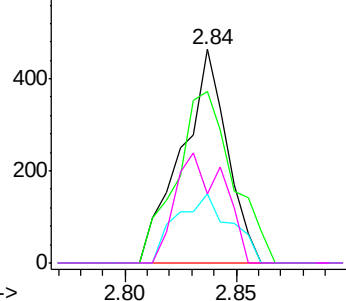


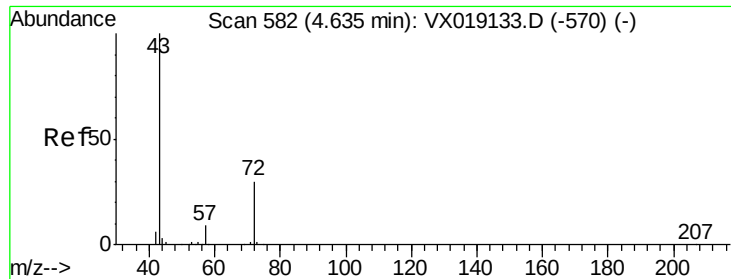
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.276 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

Instrument :

MSVOA_X

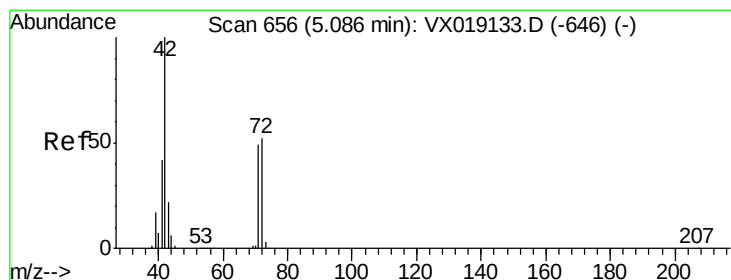
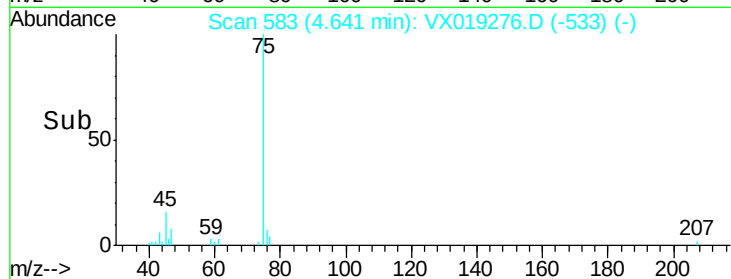
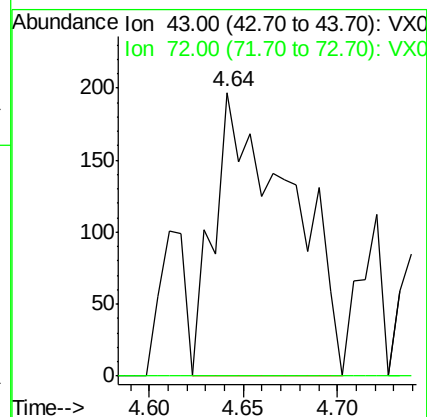
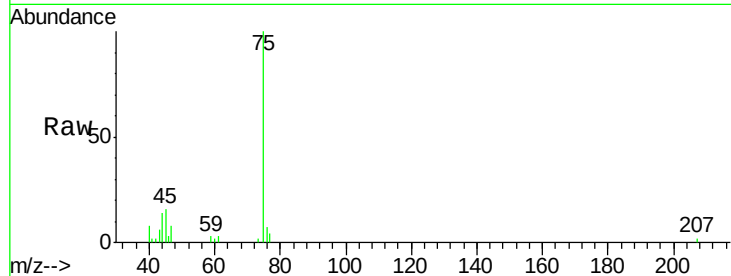
ClientSampled :

Tot Ion: 43 Resp: 553

Ion Ratio Lower Upper

43 100

72 0.0 24.6 36.8#



#29

Tetrahydrofuran

Concen: 0.203 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

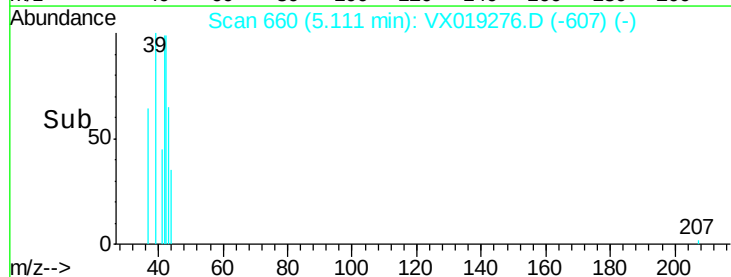
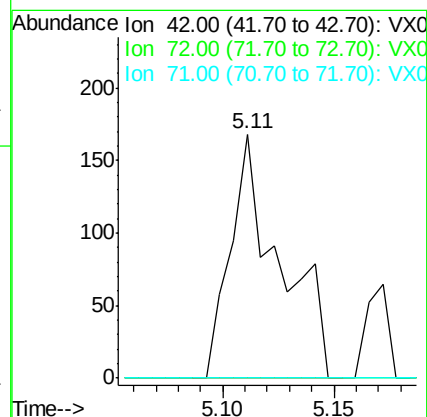
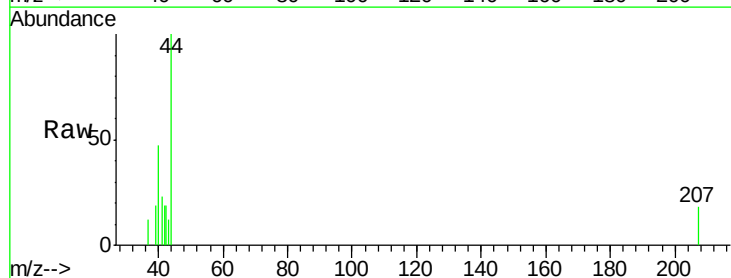
Tgt Ion: 42 Resp: 256

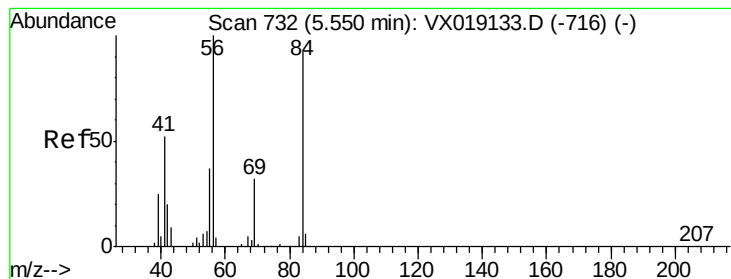
Ion Ratio Lower Upper

42 100

72 0.0 42.6 63.8#

71 0.0 39.7 59.5#





#31

Cyclohexane

Concen: 1.359 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampled :

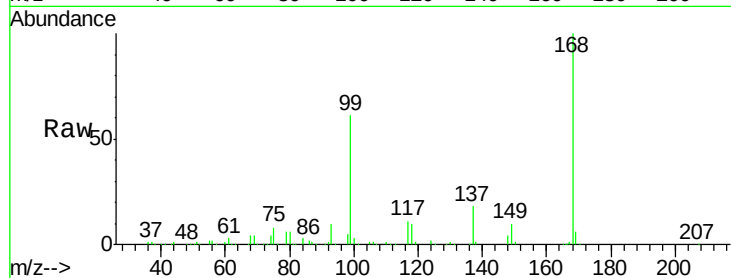
Tot Ion: 56 Resp: 6335

Ion Ratio Lower Upper

56 100

69 177.2 25.9 38.9#

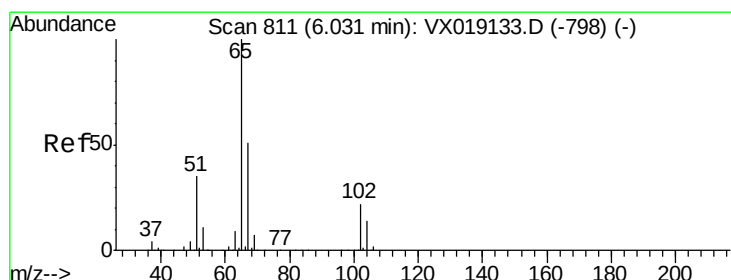
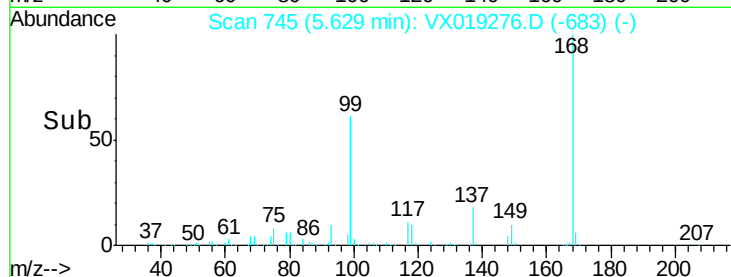
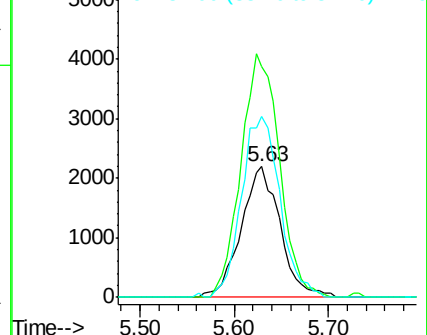
84 139.1 73.4 110.2#



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: 54.181 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019276.D

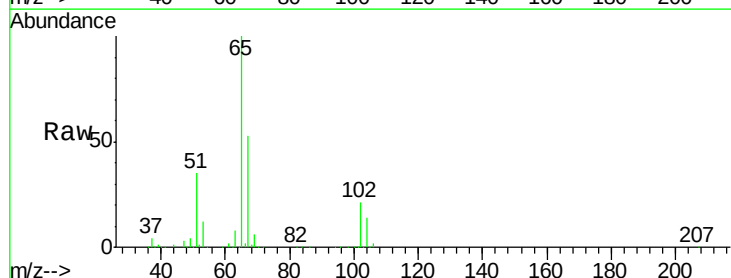
Acq: 04 Nov 2020 18:12

Tgt Ion: 65 Resp: 199754

Ion Ratio Lower Upper

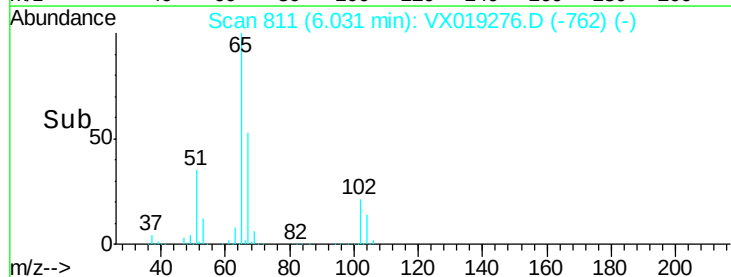
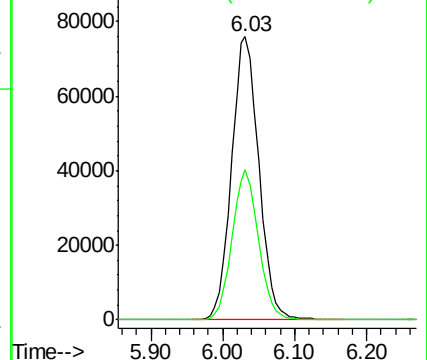
65 100

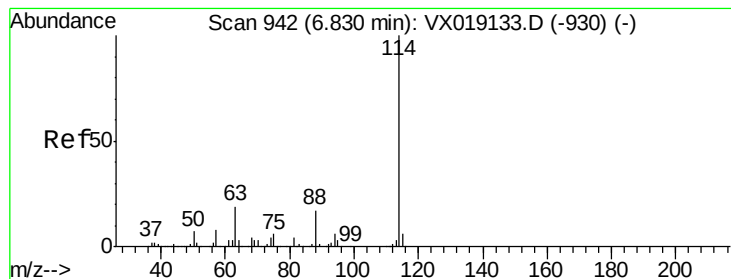
67 51.3 0.0 103.0



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: VX019276.D

Acq: 04 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampled :

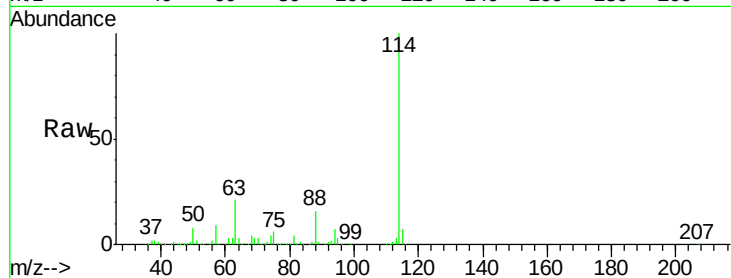
Tot Ion:114 Resp: 503195

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.8

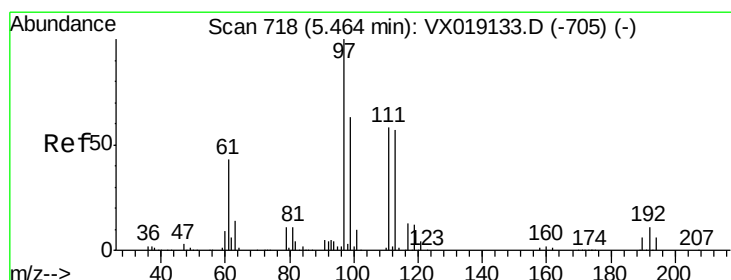
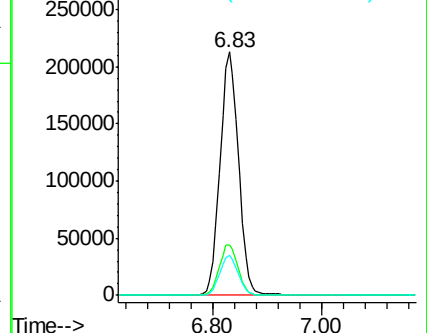
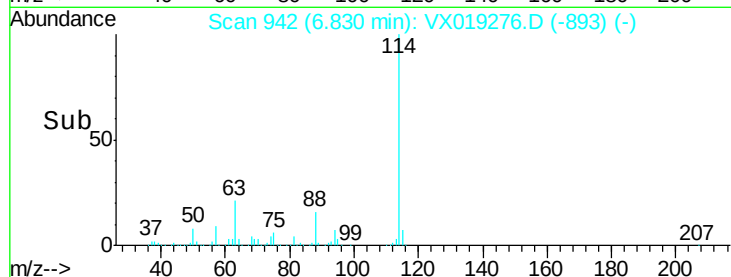
88 16.4 0.0 34.2



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: 49.888 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

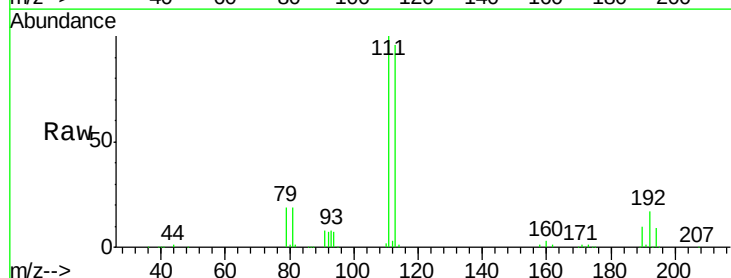
Tgt Ion:113 Resp: 157683

Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

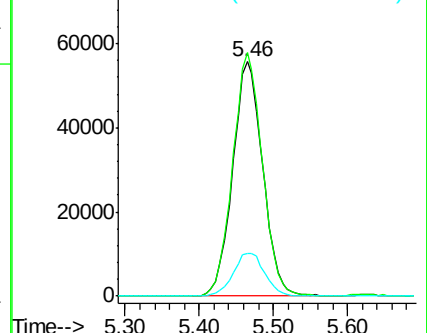
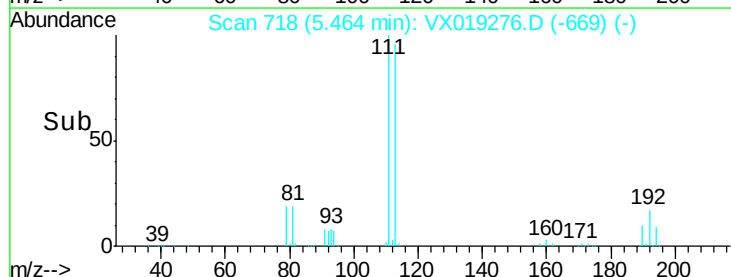
192 19.1 16.2 24.2

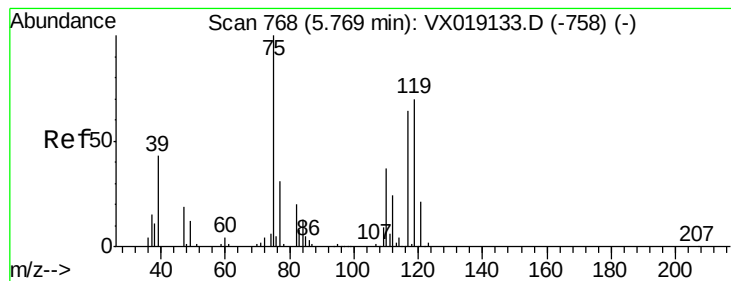


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.296 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampled :

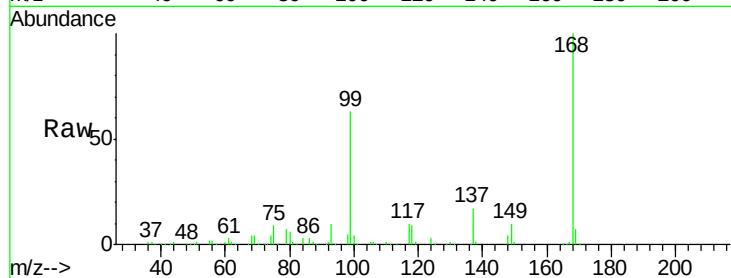
Tot Ion: 75 Resp: 24610

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.9#

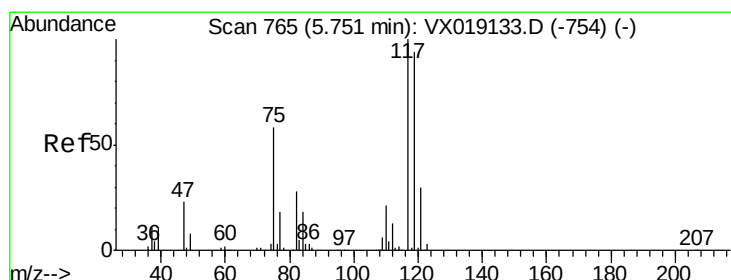
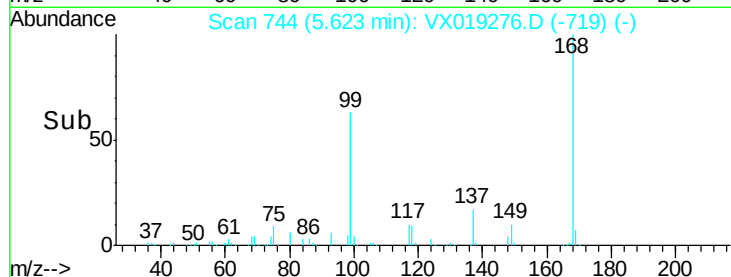
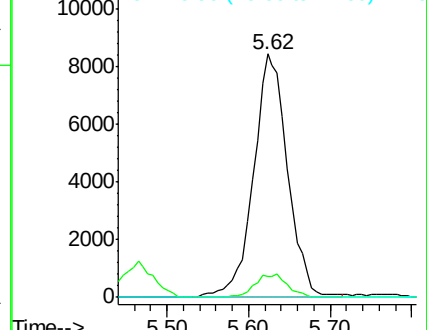
77 0.0 24.9 37.3#



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: 6.332 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

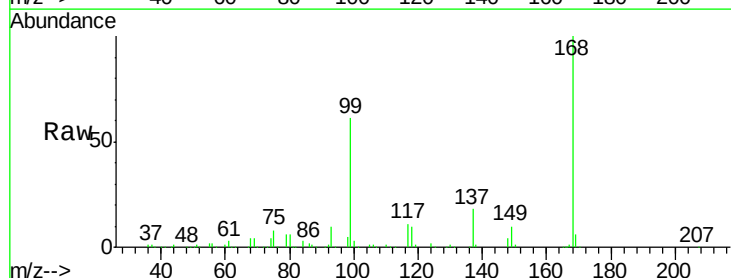
Tgt Ion: 117 Resp: 29989

Ion Ratio Lower Upper

117 100

119 5.7 75.0 112.6#

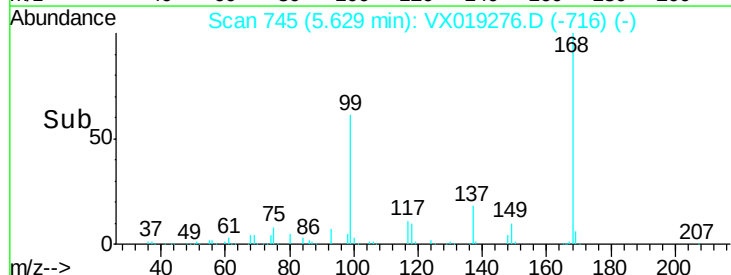
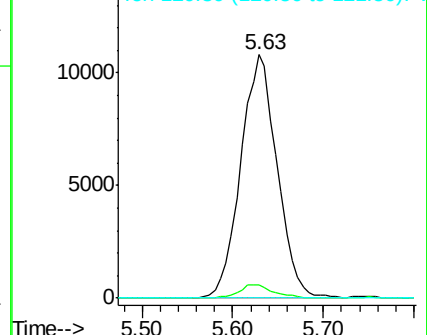
121 0.0 23.9 35.9#

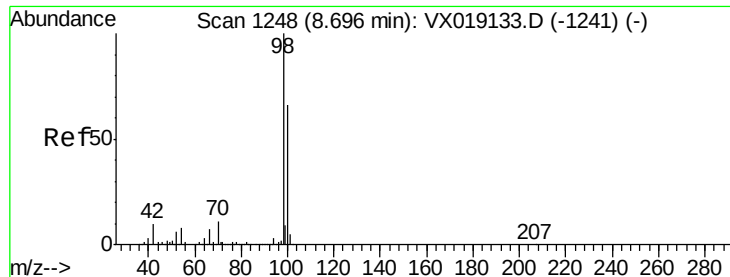


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

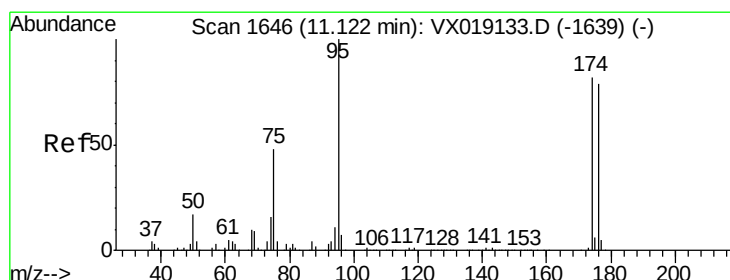
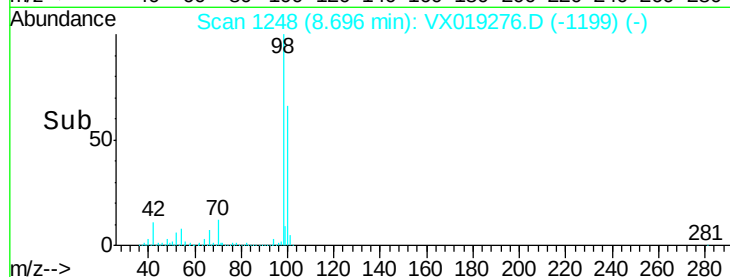
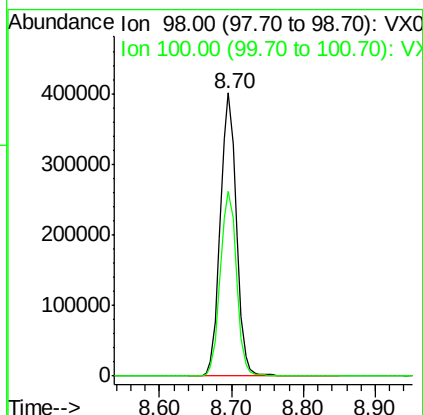
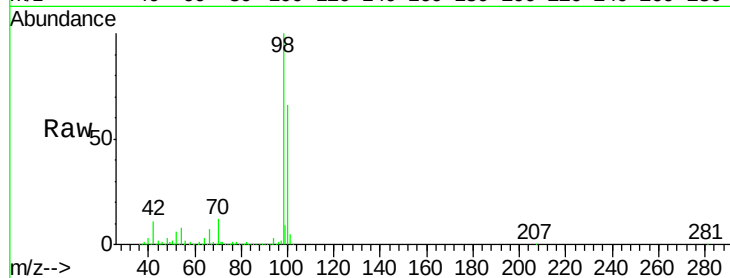




#50
Toluene-d8
Concen: 52.332 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019276.D
Acq: 04 Nov 2020 18:12

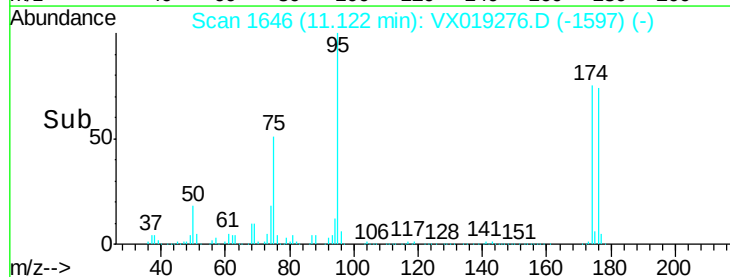
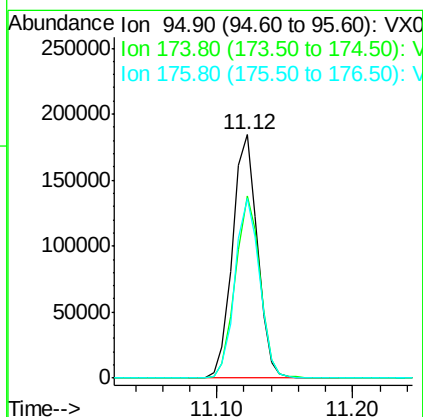
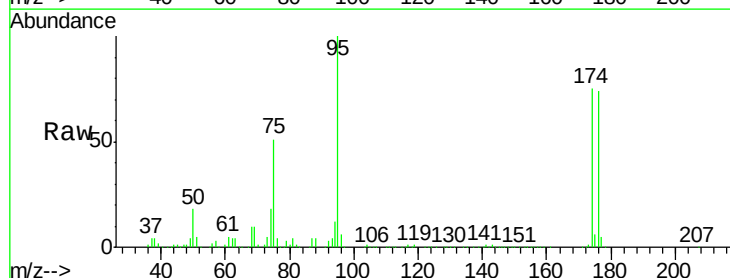
Instrument :
MSVOA_X
ClientSampled :

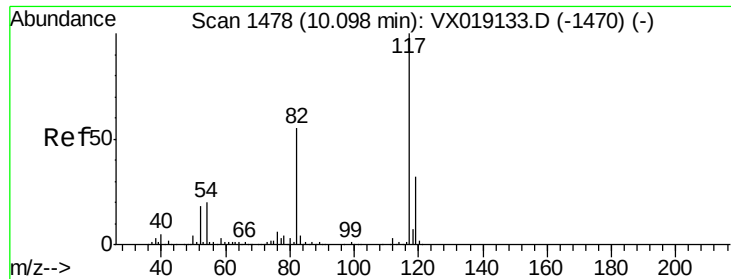
Tot Ion: 98 Resp: 623536
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 52.195 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019276.D
Acq: 04 Nov 2020 18:12

Tgt Ion: 95 Resp: 235515
Ion Ratio Lower Upper
95 100
174 74.6 0.0 156.0
176 73.4 0.0 149.8

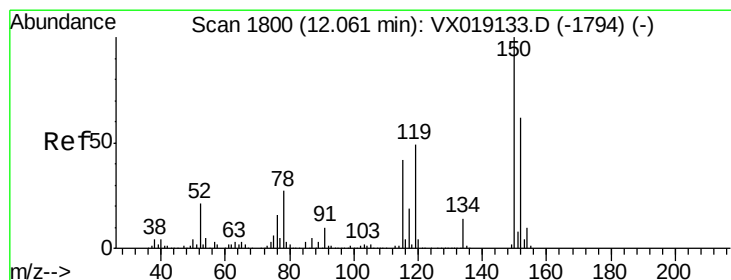
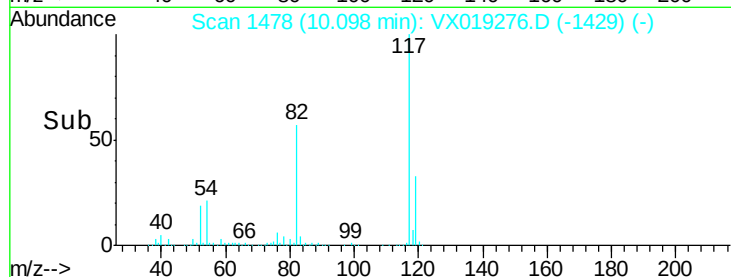
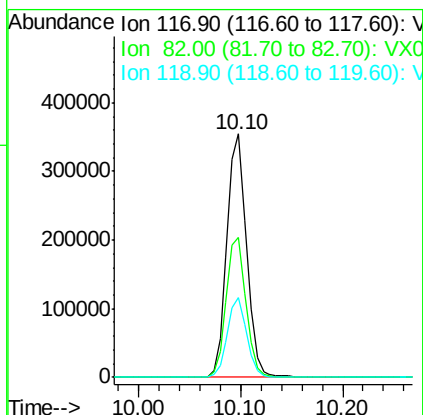
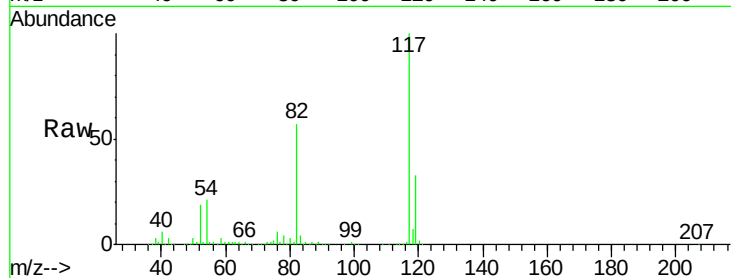




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019276.D
Acq: 04 Nov 2020 18:12

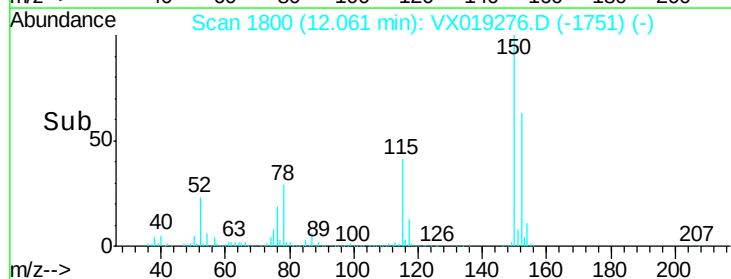
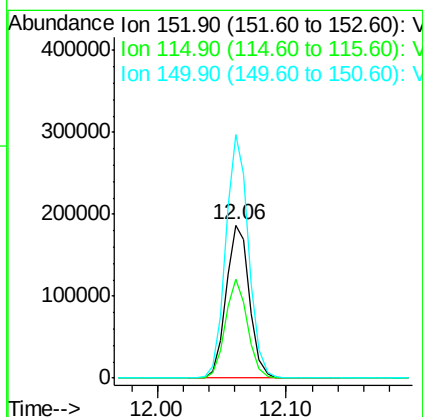
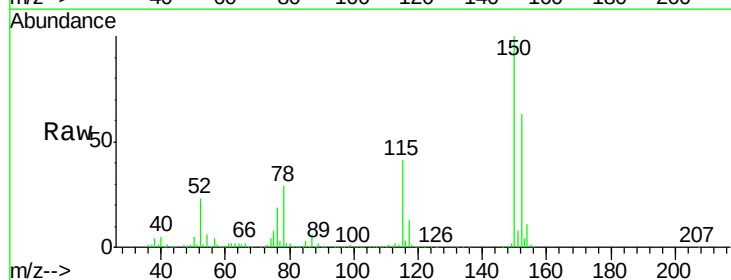
Instrument :
MSVOA_X
ClientSampleId :

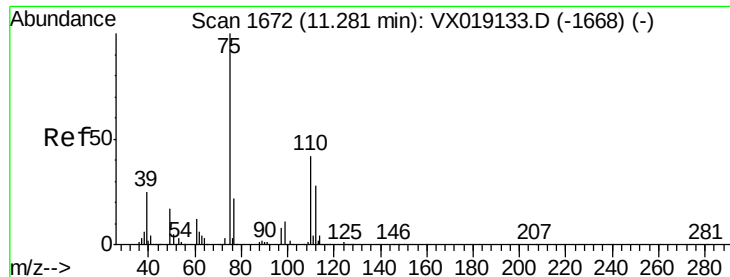
Tot Ion:117 Resp: 474481
Ion Ratio Lower Upper
117 100
82 57.5 43.6 65.4
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019276.D
Acq: 04 Nov 2020 18:12

Tgt Ion:152 Resp: 236992
Ion Ratio Lower Upper
152 100
115 61.8 41.9 125.7
150 156.0 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 24.974 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

Instrument :

MSVOA_X

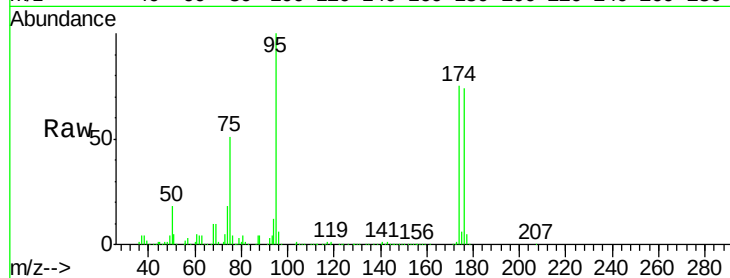
ClientSampleId :

Tot Ion: 75 Resp: 122209

Ion Ratio Lower Upper

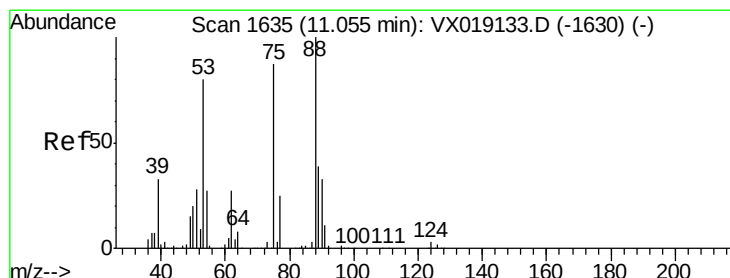
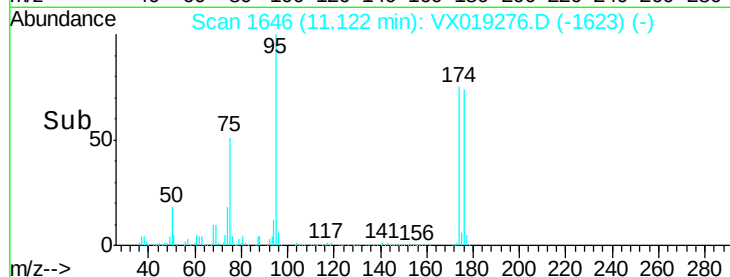
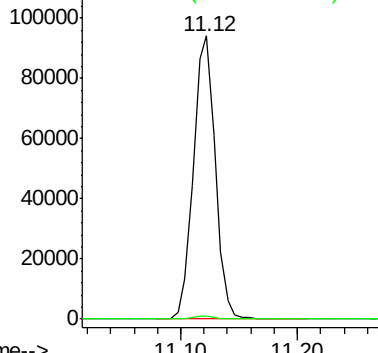
75 100

77 1.2 20.3 60.9#



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: 65.757 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019276.D

Acq: 04 Nov 2020 18:12

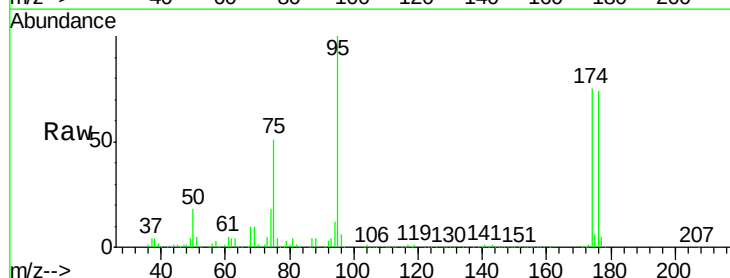
Tgt Ion: 75 Resp: 122209

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#



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

