

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102820\
 Data File : VX019157.D
 Acq On : 28 Oct 2020 11:41
 Operator : JC/MD
 Sample : VX1028WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBL01

Quant Time: Oct 29 02:06:02 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	5.62	168	336458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	577431	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	532046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	248558	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	220118	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	5.46	113	181020	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	8.70	98	710658	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.12	95	259047	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

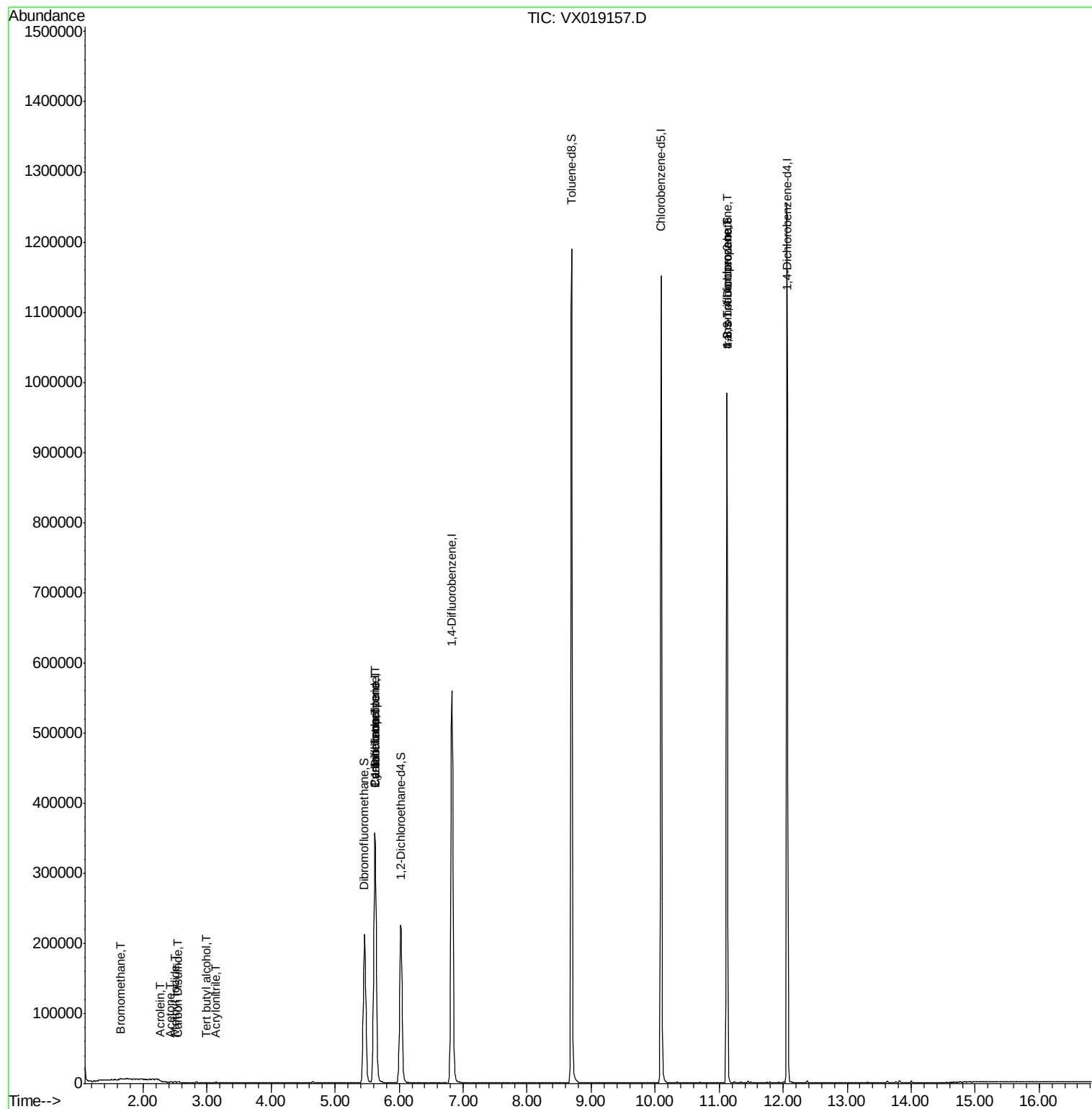
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	766	0.309	ug/l	82
10) Methyl Iodide	2.50	142	1225	6.665	ug/l	94
11) Tert butyl alcohol	2.99	59	364	0.425	ug/l #	72
13) Acrolein	2.28	56	229	6.232	ug/l #	16
15) Acrylonitrile	3.12	53	574	0.319	ug/l	97
16) Acetone	2.43	43	874	0.584	ug/l	89
17) Carbon Disulfide	2.55	76	1629	0.932	ug/l	96
31) Cyclohexane	5.62	56	7055	1.286	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	27366	5.132	ug/l #	50
38) Carbon Tetrachloride	5.62	117	35484	6.529	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	132398	25.798	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	132398	67.925	ug/l #	12

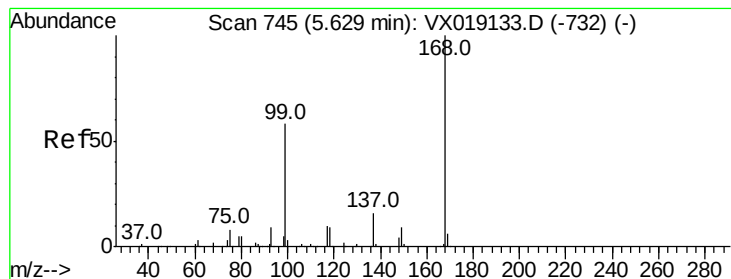
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 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: VX019157.D

Acq: 28 Oct 2020 11:41

Instrument :

MSVOA_X

ClientSampleId :

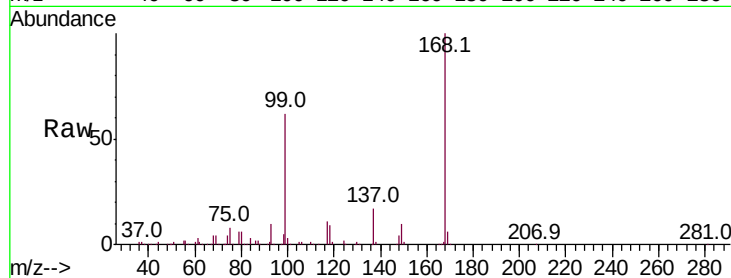
VX1028WBL01

Tot Ion:168 Resp: 336458

Ion Ratio Lower Upper

168 100

99 61.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

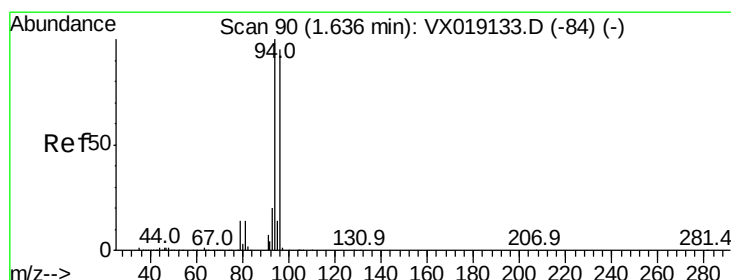
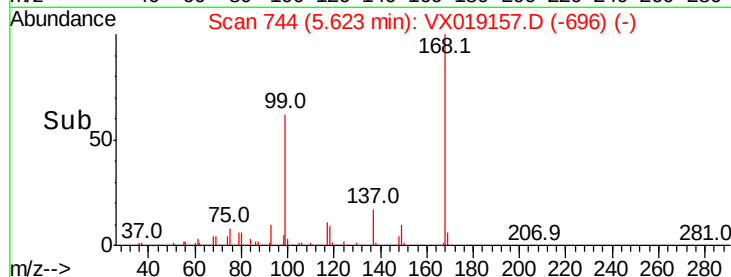
5.62

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.309 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019157.D

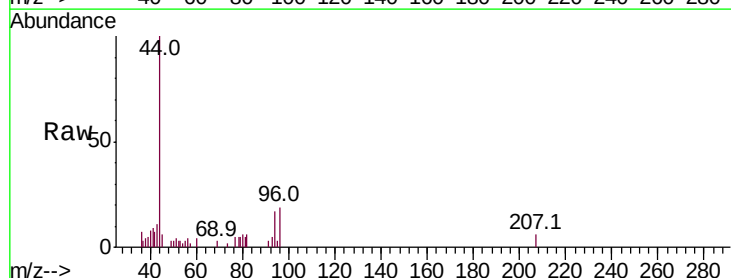
Acq: 28 Oct 2020 11:41

Tgt Ion: 94 Resp: 766

Ion Ratio Lower Upper

94 100

96 112.4 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

600

500

400

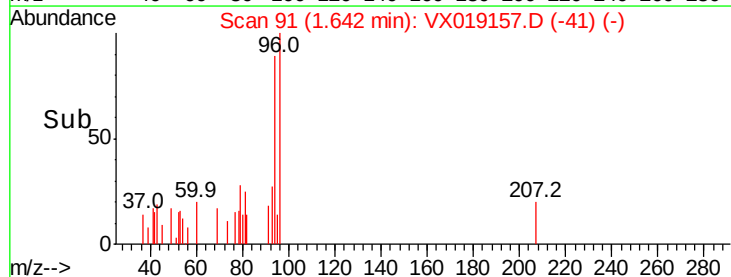
300

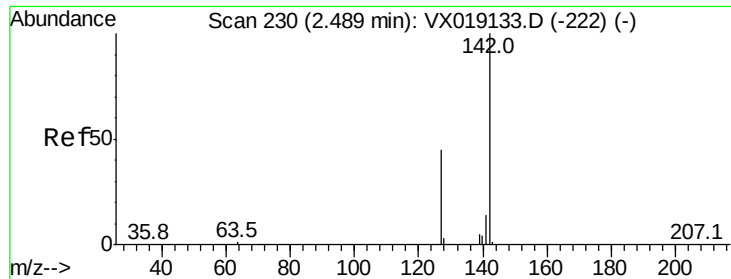
200

100

0

Time-->

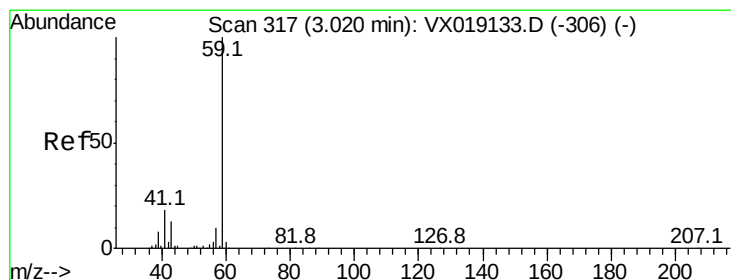
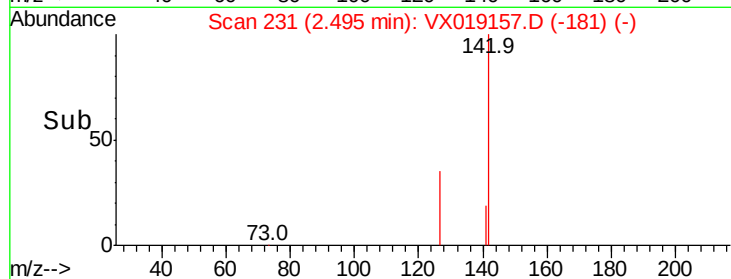
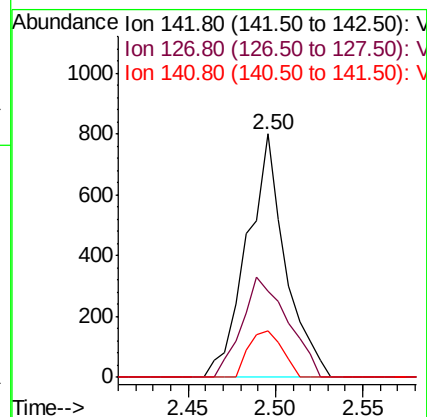
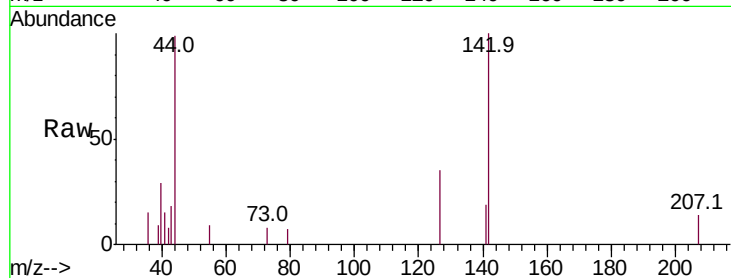




#10
Methvl Iodide
Concen: 6.665 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019157.D
Acq: 28 Oct 2020 11:41

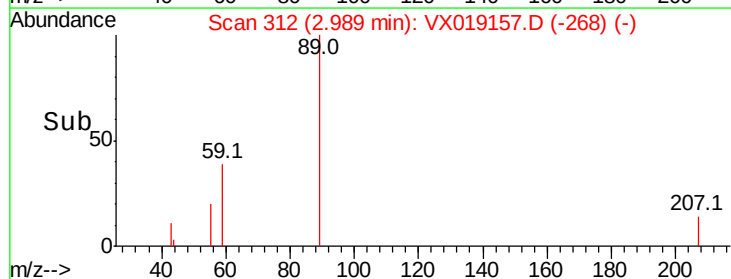
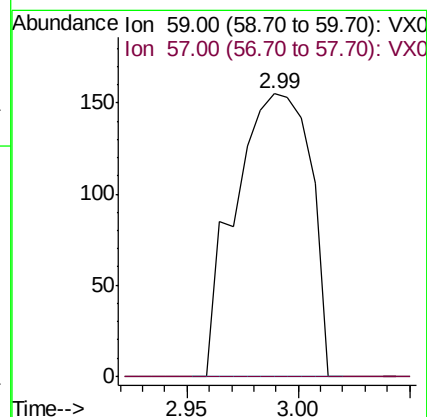
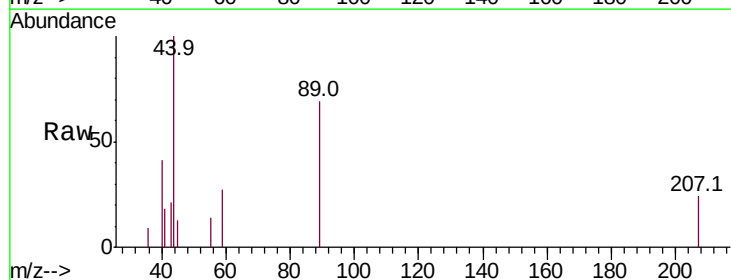
Instrument :
MSVOA_X
ClientSampleId :
VX1028WBL01

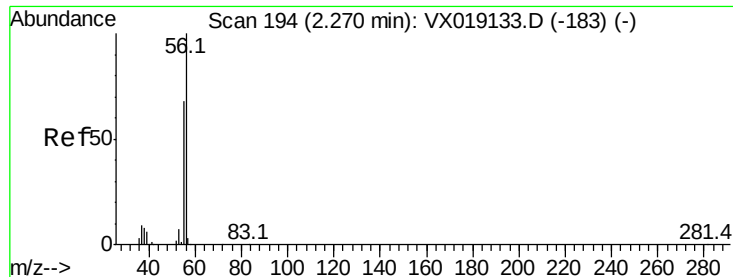
Tot Ion:142 Resp: 1225
Ion Ratio Lower Upper
142 100
127 48.7 36.1 54.1
141 16.7 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.425 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX019157.D
Acq: 28 Oct 2020 11:41

Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 6.232 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019157.D

Acq: 28 Oct 2020 11:41

Instrument :

MSVOA_X

ClientSampleId :

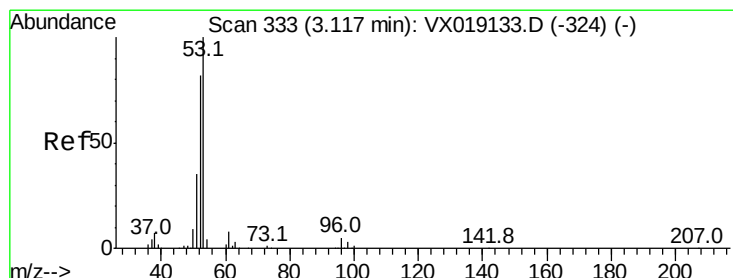
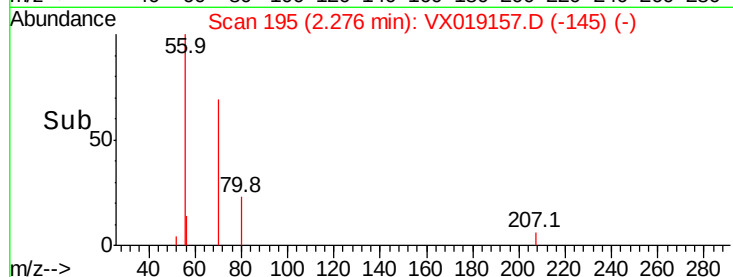
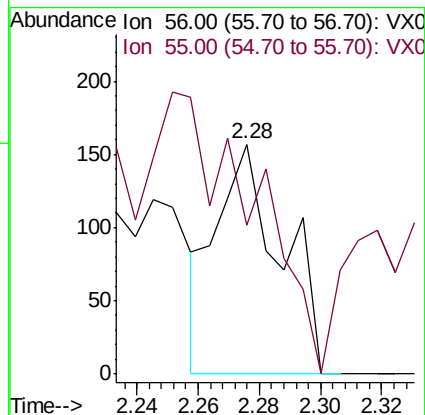
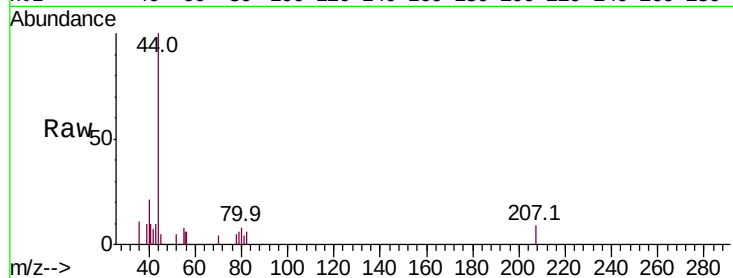
VX1028WBL01

Tot Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



#15

Acrylonitrile

Concen: 0.319 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019157.D

Acq: 28 Oct 2020 11:41

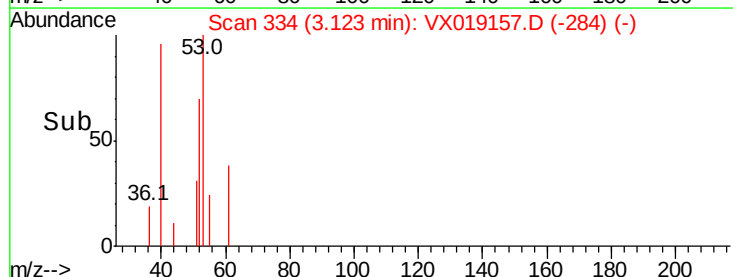
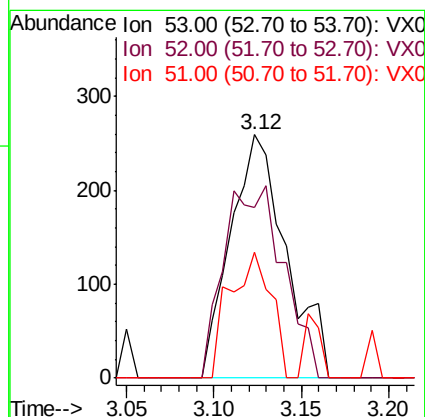
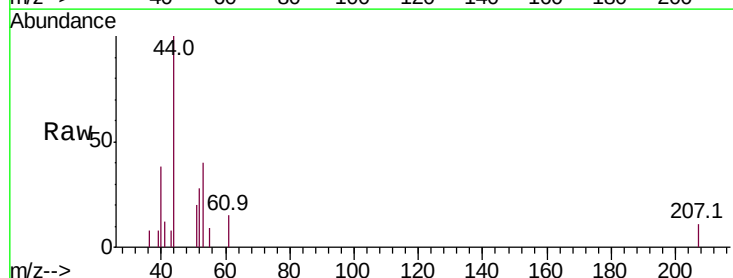
Tgt Ion: 53 Resp: 574

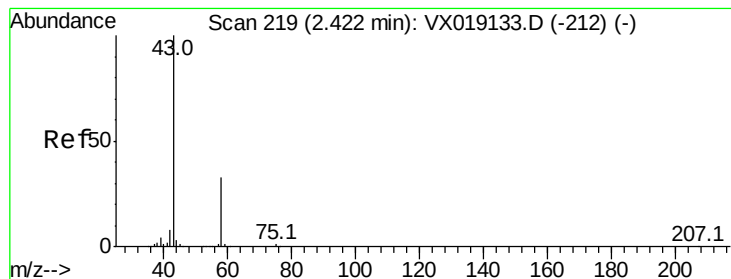
Ion Ratio Lower Upper

53 100

52 84.0 65.7 98.5

51 38.2 28.4 42.6





#16

Acetone

Concen: 0.584 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019157.D

Acq: 28 Oct 2020 11:41

Instrument :

MSVOA_X

ClientSampled :

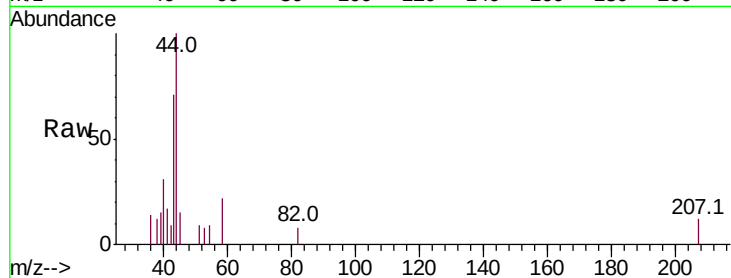
VX1028WBL01

Tot Ion: 43 Resp: 874

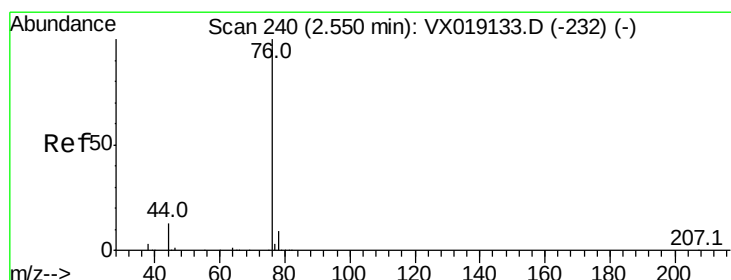
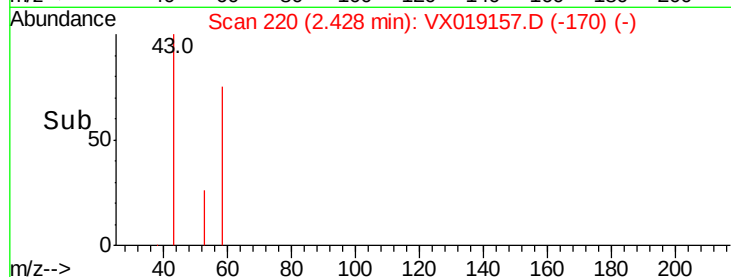
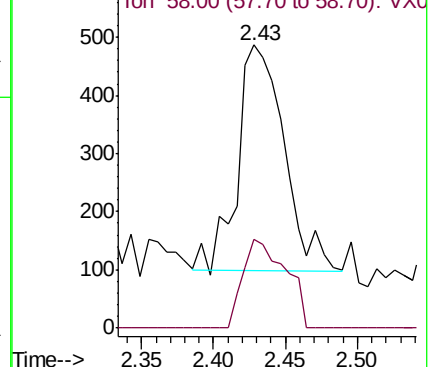
Ion Ratio Lower Upper

43 100

58 39.2 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 0.932 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019157.D

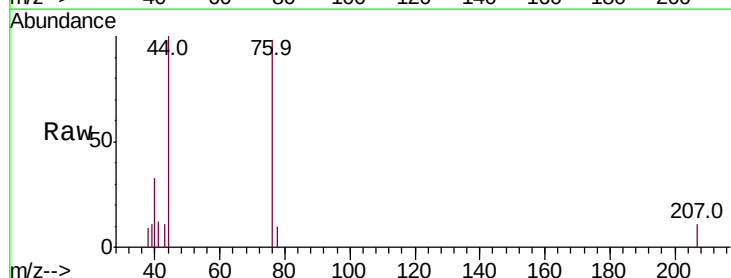
Acq: 28 Oct 2020 11:41

Tgt Ion: 76 Resp: 1629

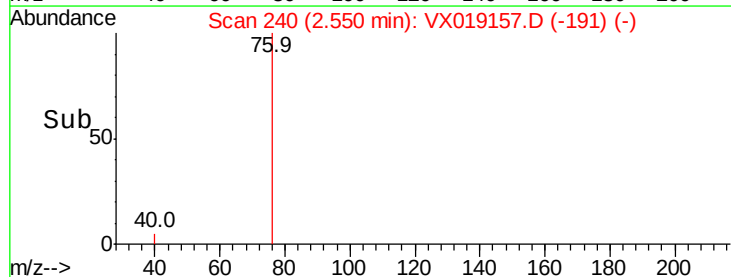
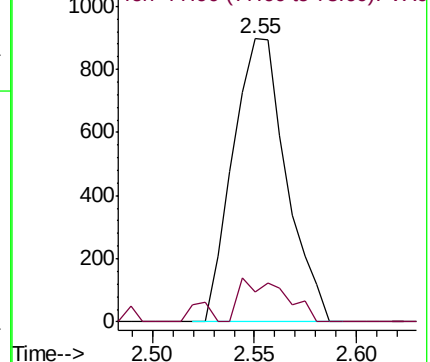
Ion Ratio Lower Upper

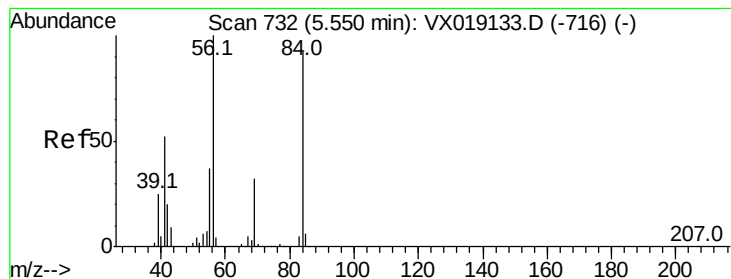
76 100

78 10.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0





#31

Cyclohexane

Concen: 1.286 ug/l

RT: 5.62 min Scan# 743

Delta R.T. 0.07 min

Lab File: VX019157.D

Acq: 28 Oct 2020 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBL01

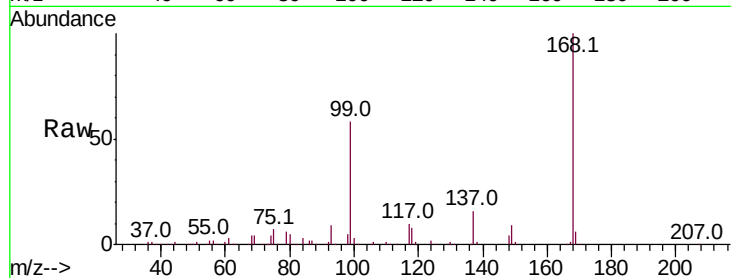
Tot Ion: 56 Resp: 7055

Ion Ratio Lower Upper

56 100

69 178.9 25.9 38.9#

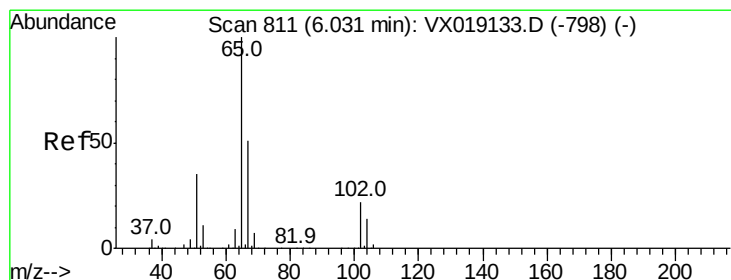
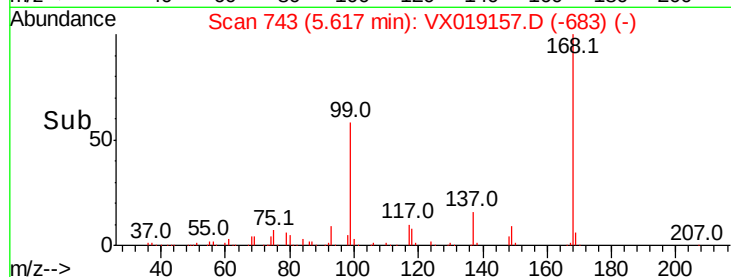
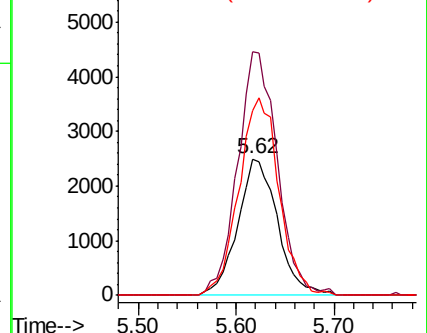
84 135.5 73.4 110.2#



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: 50.730 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019157.D

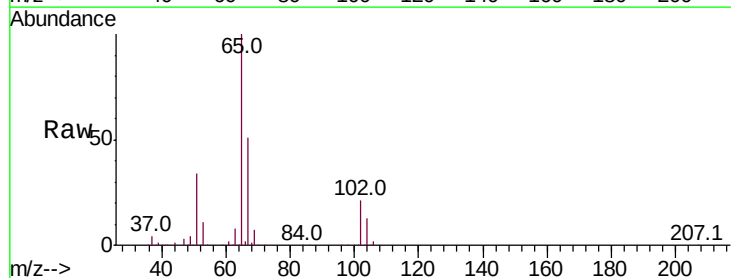
Acq: 28 Oct 2020 11:41

Tgt Ion: 65 Resp: 220118

Ion Ratio Lower Upper

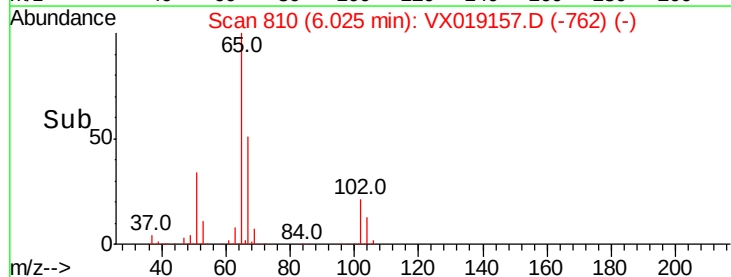
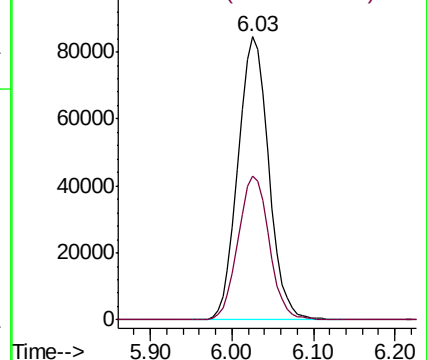
65 100

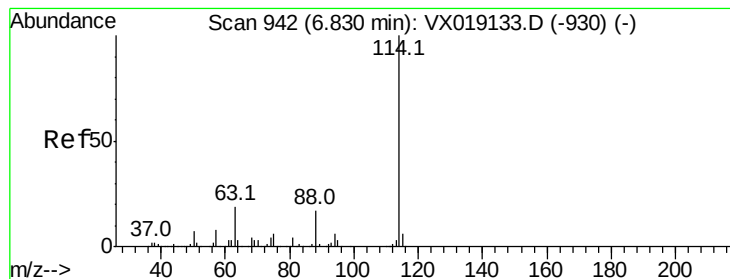
67 51.5 0.0 103.0



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: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019157.D

Acq: 28 Oct 2020 11:41

Instrument :

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ClientSampleId :

VX1028WBL01

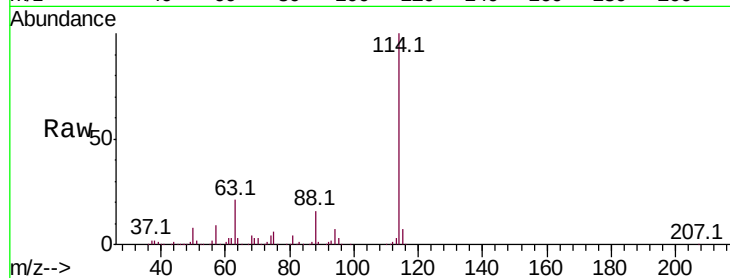
Tot Ion:114 Resp: 577431

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.8

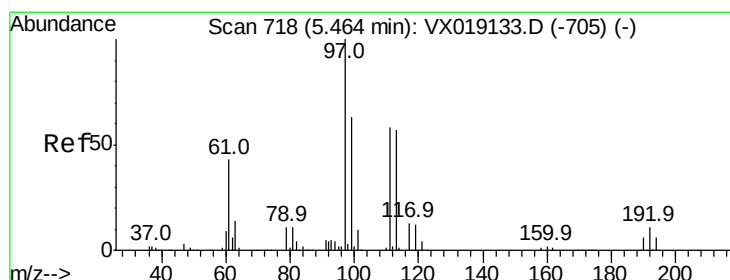
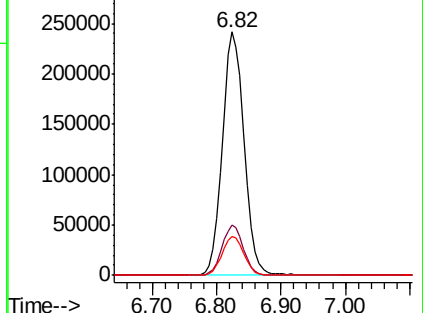
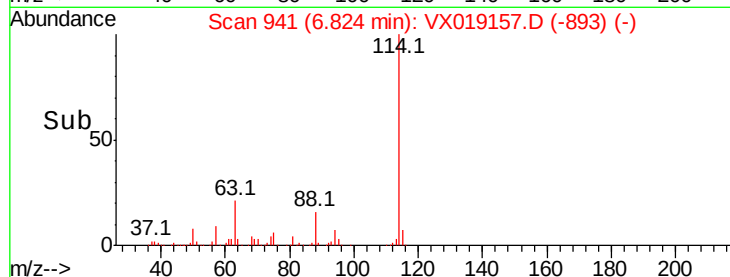
88 16.1 0.0 34.2



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: 49.908 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX019157.D

Acq: 28 Oct 2020 11:41

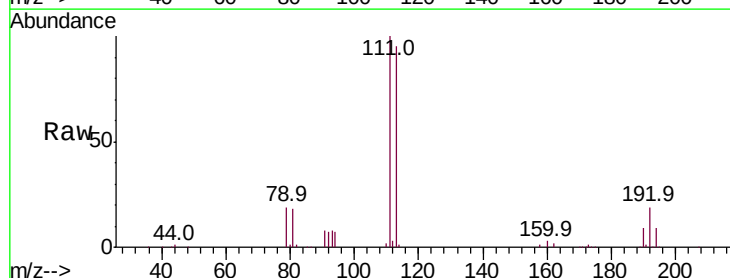
Tgt Ion:113 Resp: 181020

Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

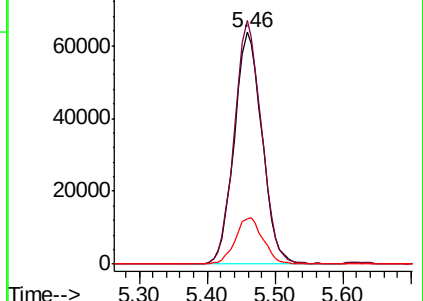
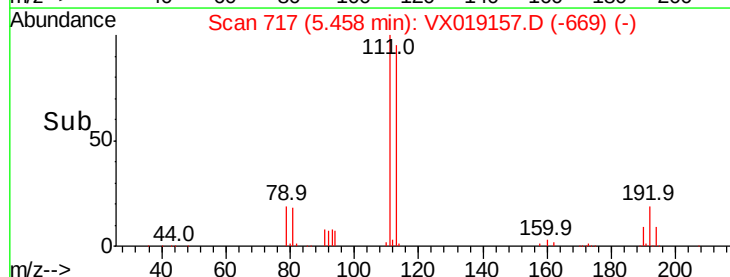
192 20.1 16.2 24.2

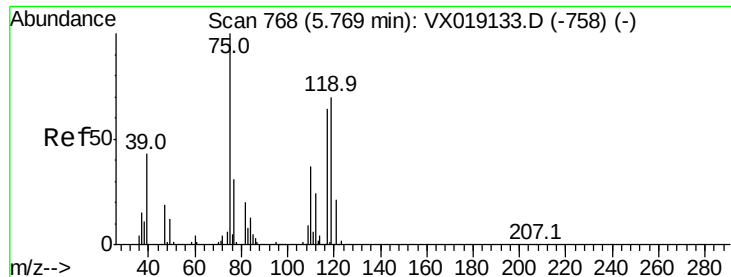


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.132 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019157.D

Acq: 28 Oct 2020 11:41

Instrument :

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ClientSampleId :

VX1028WBL01

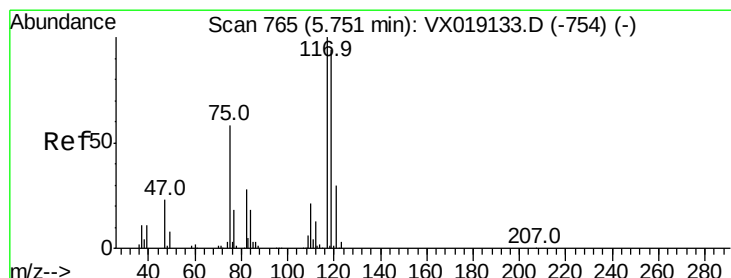
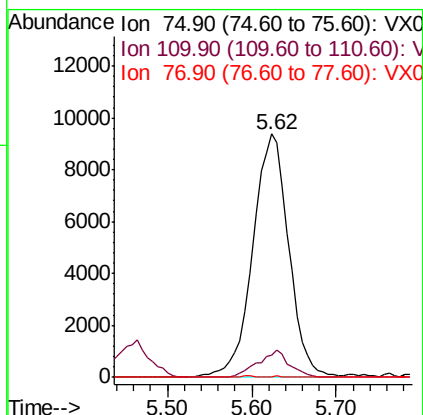
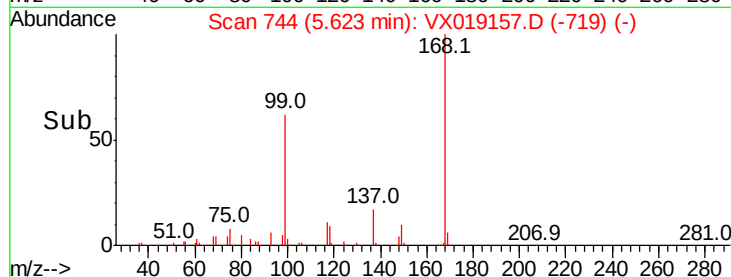
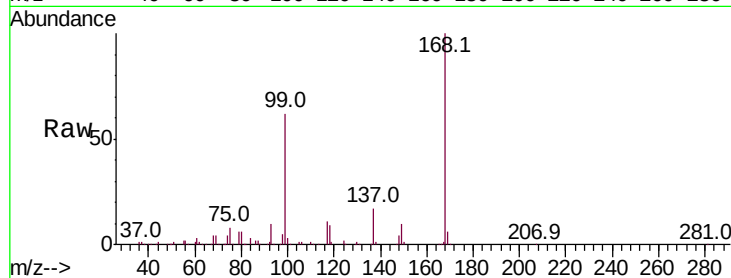
Tot Ion: 75 Resp: 27366

Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.9#

77 0.1 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.529 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019157.D

Acq: 28 Oct 2020 11:41

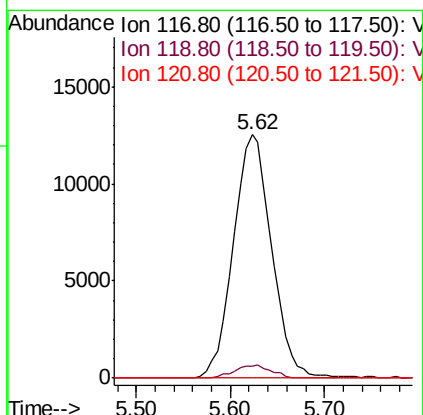
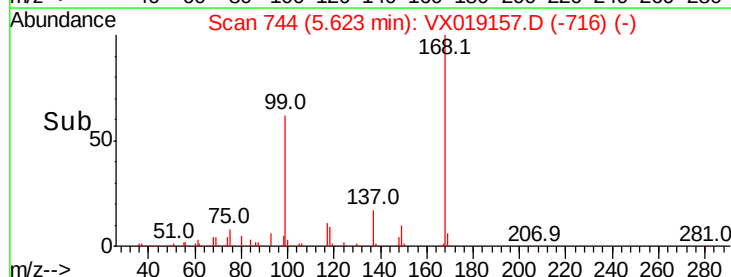
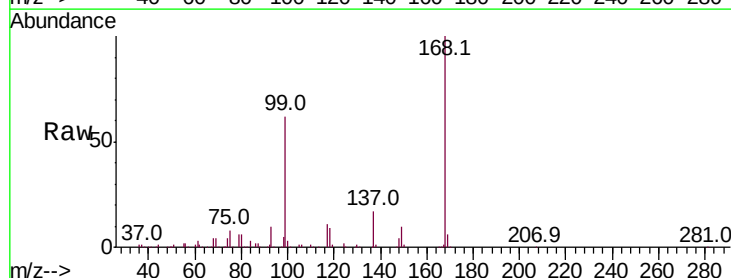
Tgt Ion: 117 Resp: 35484

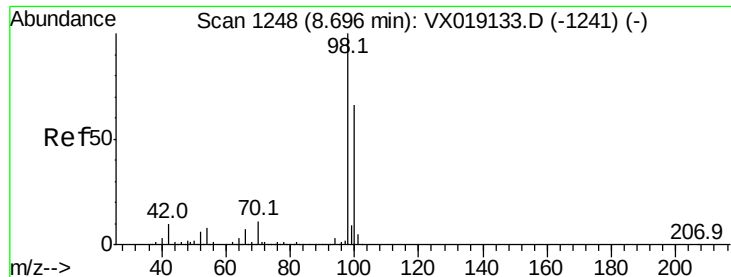
Ion Ratio Lower Upper

117 100

119 4.9 75.0 112.6#

121 0.0 23.9 35.9#

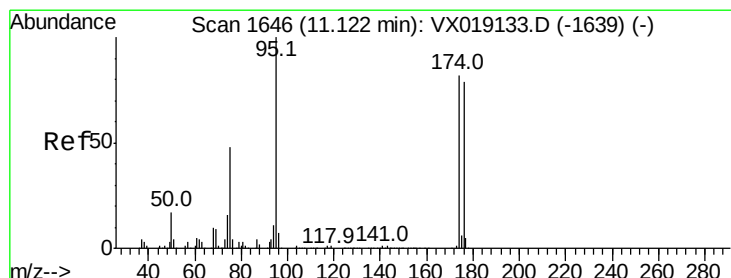
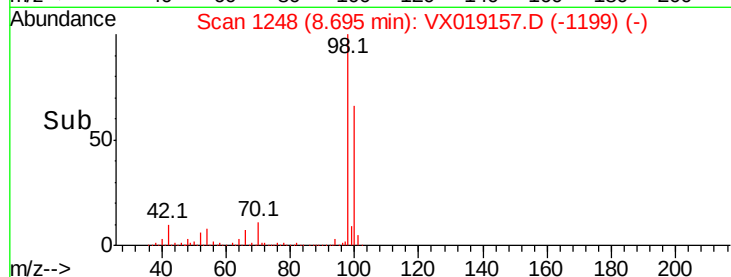
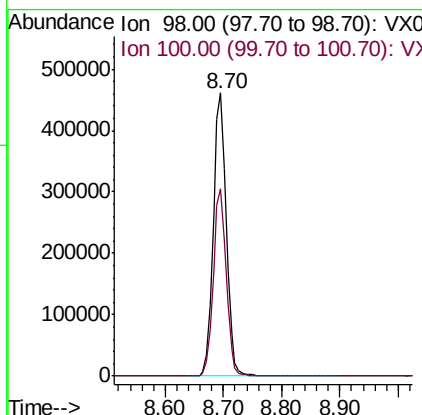
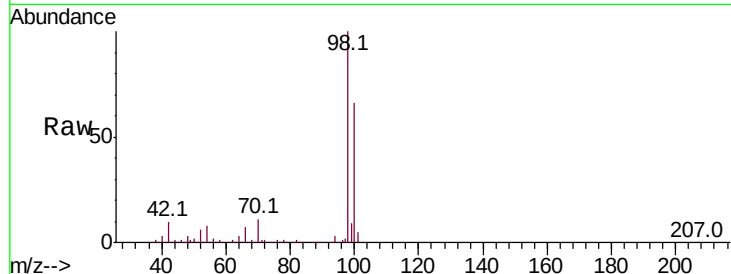




#50
Toluene-d8
Concen: 51.976 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019157.D
Acq: 28 Oct 2020 11:41

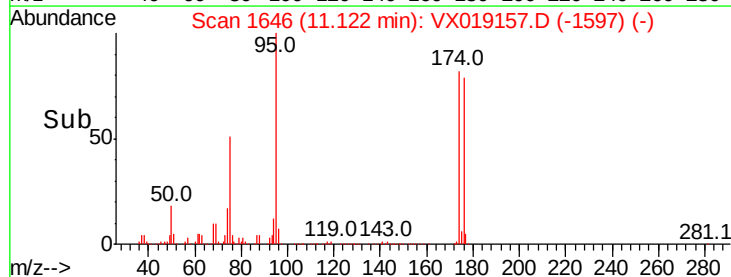
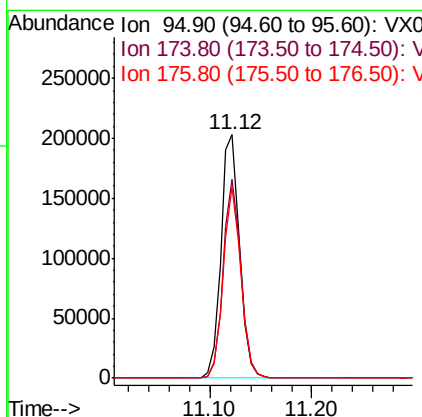
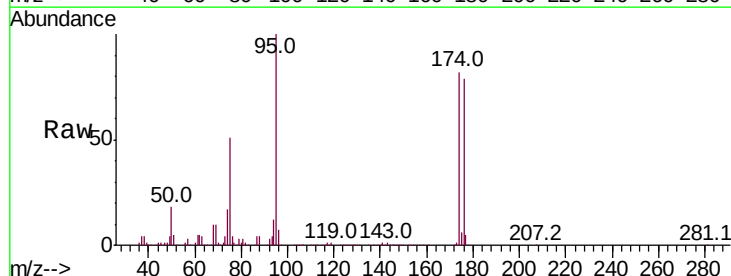
Instrument :
MSVOA_X
ClientSampleId :
VX1028WBL01

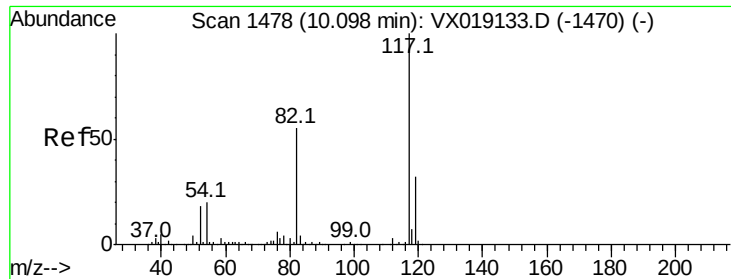
Tot Ion: 98 Resp: 710658
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 50.029 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019157.D
Acq: 28 Oct 2020 11:41

Tgt Ion: 95 Resp: 259047
Ion Ratio Lower Upper
95 100
174 77.9 0.0 156.0
176 74.5 0.0 149.8

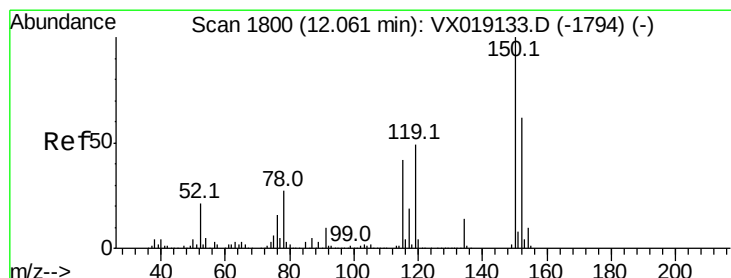
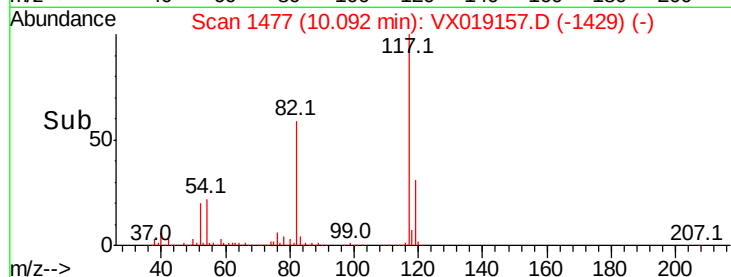
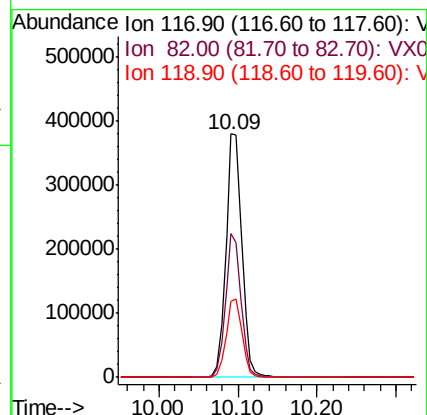
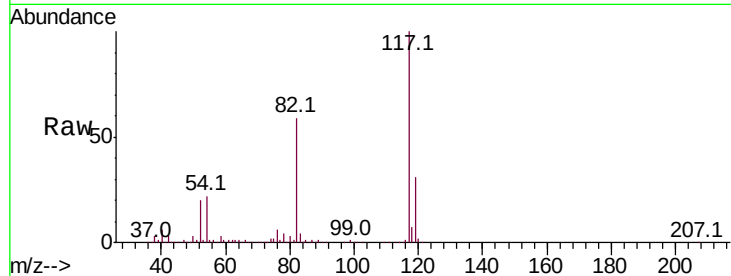




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX019157.D
Acq: 28 Oct 2020 11:41

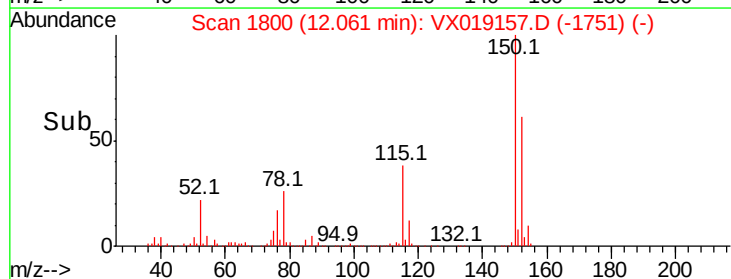
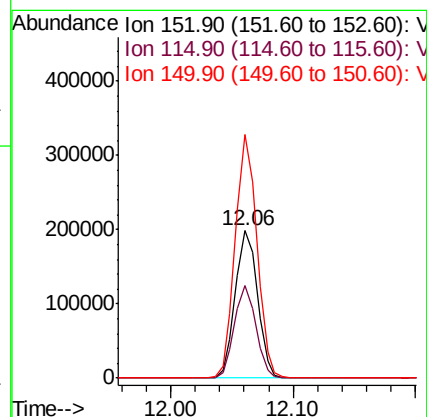
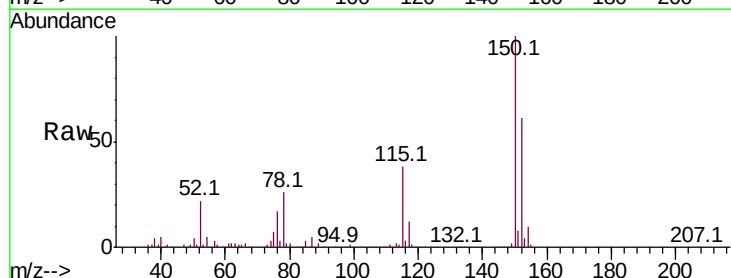
Instrument :
MSVOA_X
ClientSampleId :
VX1028WBL01

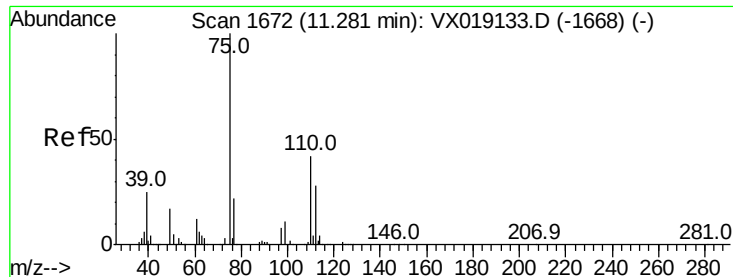
Tot Ion:117 Resp: 532046
Ion Ratio Lower Upper
117 100
82 58.9 43.6 65.4
119 31.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019157.D
Acq: 28 Oct 2020 11:41

Tgt Ion:152 Resp: 248558
Ion Ratio Lower Upper
152 100
115 61.4 41.9 125.7
150 160.8 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 25.798 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019157.D

Acq: 28 Oct 2020 11:41

Instrument :

MSVOA_X

ClientSampleId :

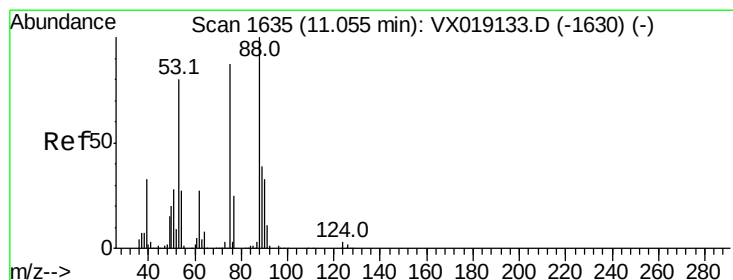
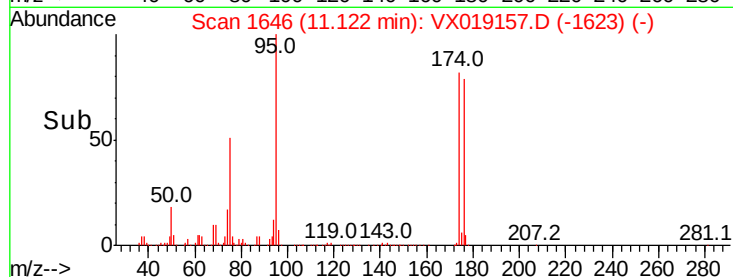
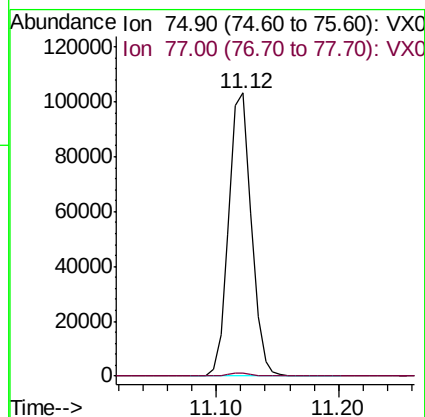
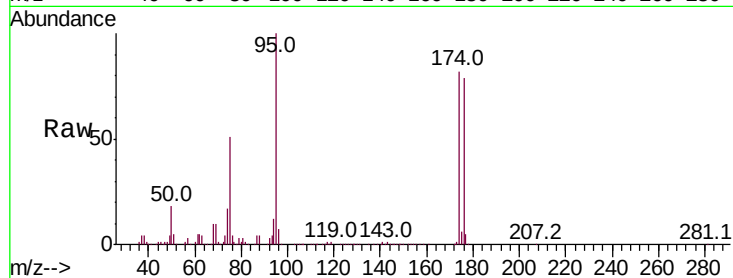
VX1028WBL01

Tot Ion: 75 Resp: 132398

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.925 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019157.D

Acq: 28 Oct 2020 11:41

Tgt Ion: 75 Resp: 132398

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

