

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019910.D
 Acq On : 12 Dec 2020 06:10
 Operator : JC/MD
 Sample : L5025-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-7248-120920

Quant Time: Dec 12 06:55:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	318437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	530261	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	486527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	202134	48.30	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.60%		
35) Dibromofluoromethane	5.46	113	163903	47.83	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.66%		
50) Toluene-d8	8.70	98	636951	48.68	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.36%		
62) 4-Bromofluorobenzene	11.12	95	223723	44.93	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.86%		

Target Compounds

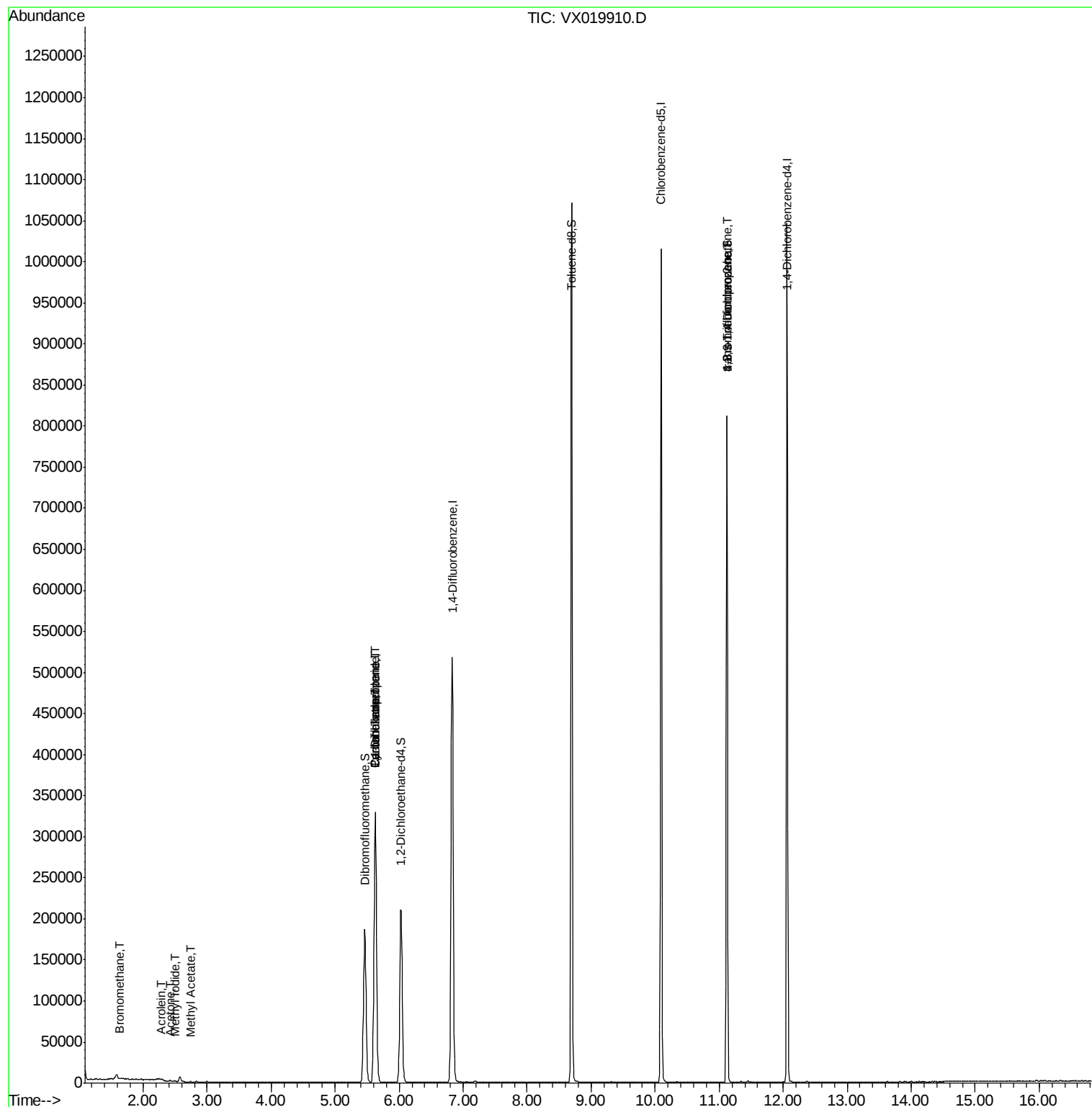
					Qvalue	
5) Bromomethane	1.64	94	570	0.475	ug/l	92
10) Methyl Iodide	2.50	142	968	0.228	ug/l #	96
11) Tert butyl alcohol	3.00	59	707	Below Cal	#	73
13) Acrolein	2.28	56	104	0.225	ug/l #	48
16) Acetone	2.42	43	1608	1.022	ug/l	96
18) Methyl Acetate	2.75	43	792	0.206	ug/l #	52
20) Methylene Chloride	2.84	84	469	Below Cal	#	79
31) Cyclohexane	5.62	56	6012	1.155	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23867	4.981	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31615	6.738	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	108594	23.753	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	108594	68.665	ug/l #	12

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

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Quant Time: Dec 12 06:55:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019910.D

Acq: 12 Dec 2020 06:10

Instrument :

MSVOA_X

ClientSampleId :

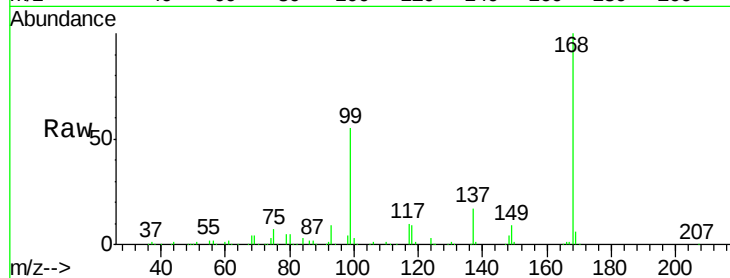
TU032-32-7248-120920

Tgt Ion:168 Resp: 318437

Ion Ratio Lower Upper

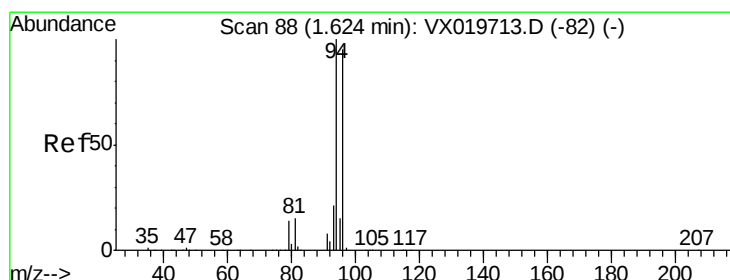
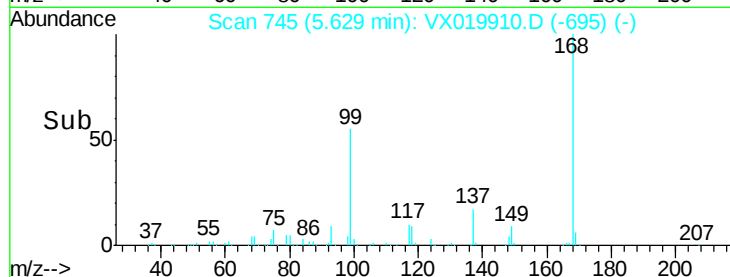
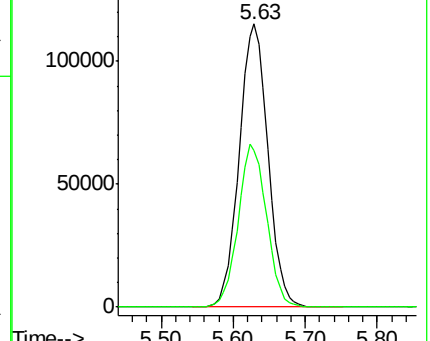
168 100

99 55.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.475 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019910.D

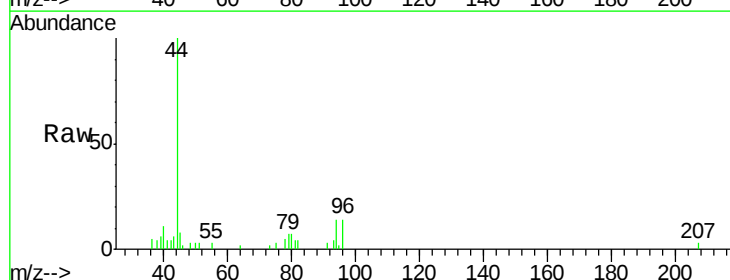
Acq: 12 Dec 2020 06:10

Tgt Ion: 94 Resp: 570

Ion Ratio Lower Upper

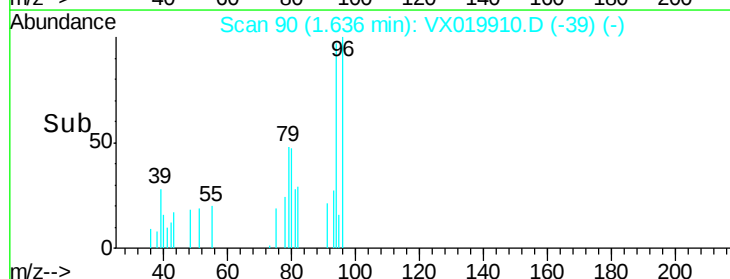
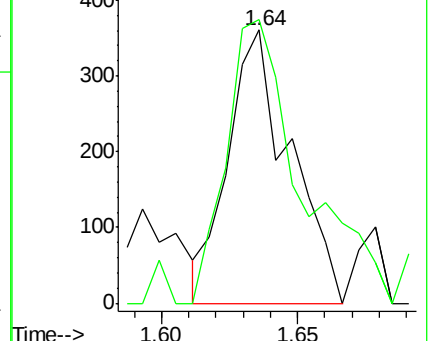
94 100

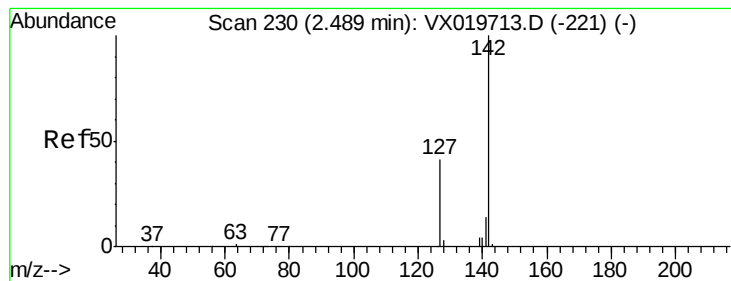
96 103.6 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 0.228 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019910.D

Acq: 12 Dec 2020 06:10

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-7248-120920

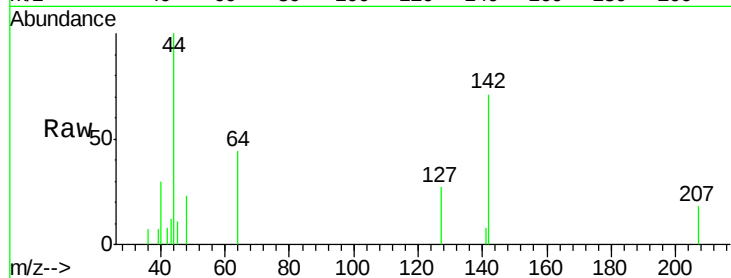
Tgt Ion: 142 Resp: 968

Ion Ratio Lower Upper

142 100

127 42.9 33.3 49.9

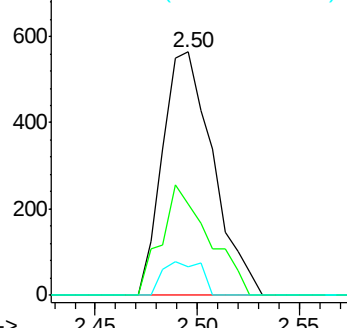
141 10.5 11.4 17.0#



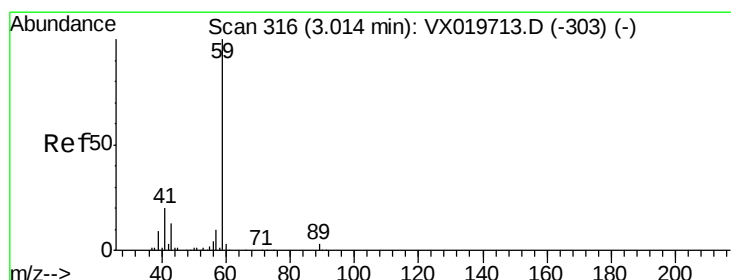
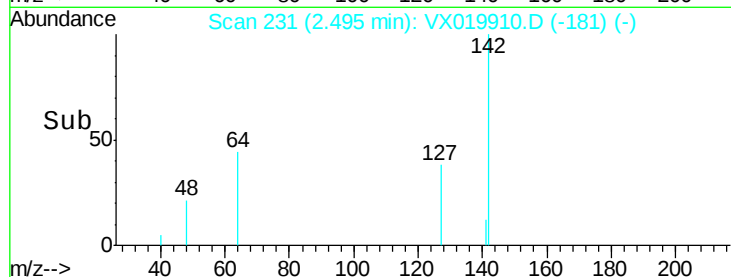
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX019910.D

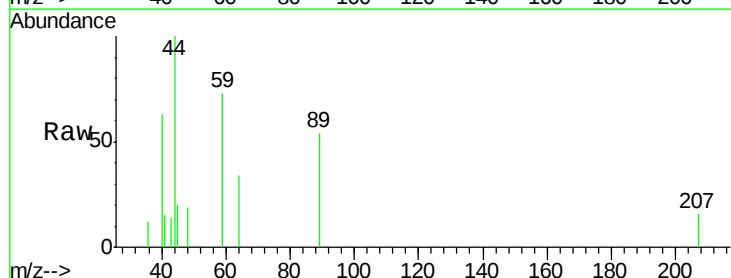
Acq: 12 Dec 2020 06:10

Tgt Ion: 59 Resp: 707

Ion Ratio Lower Upper

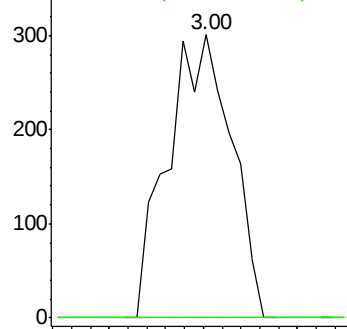
59 100

57 0.0 7.8 11.8#

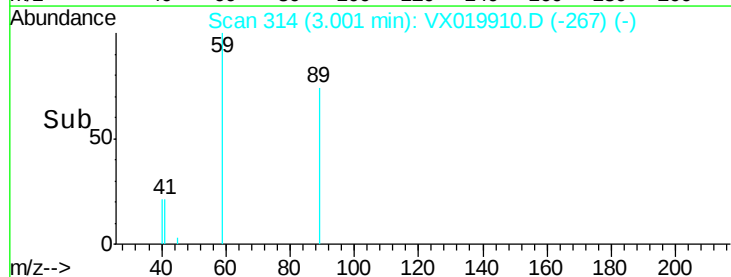


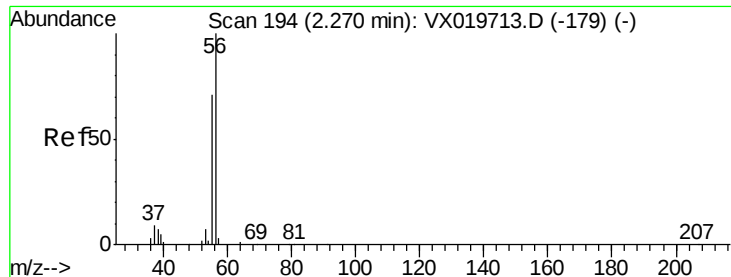
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->





#13

Acrolein

Concen: 0.225 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019910.D

Acq: 12 Dec 2020 06:10

Instrument :

MSVOA_X

ClientSampleId :

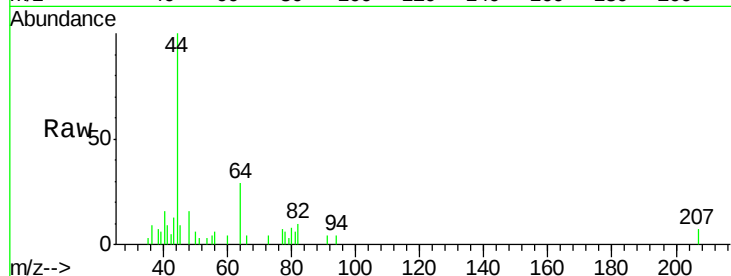
TU032-32-7248-120920

Tgt Ion: 56 Resp: 104

Ion Ratio Lower Upper

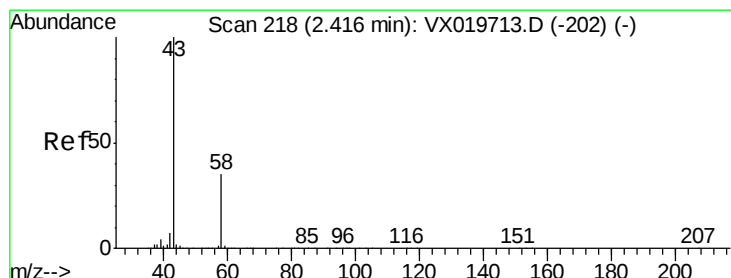
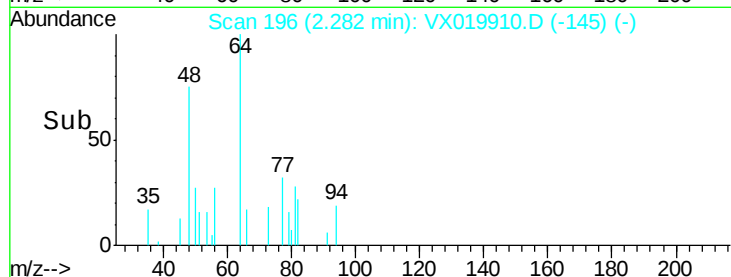
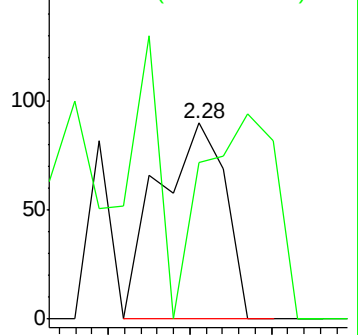
56 100

55 113.5 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.022 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX019910.D

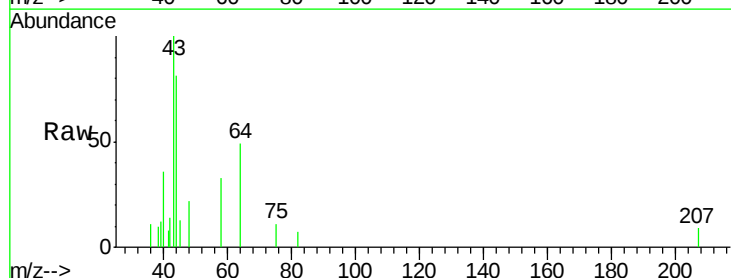
Acq: 12 Dec 2020 06:10

Tgt Ion: 43 Resp: 1608

Ion Ratio Lower Upper

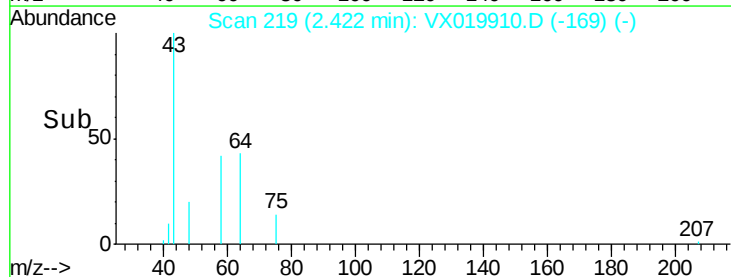
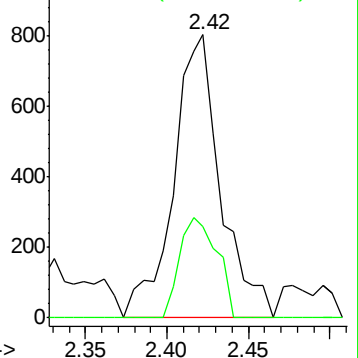
43 100

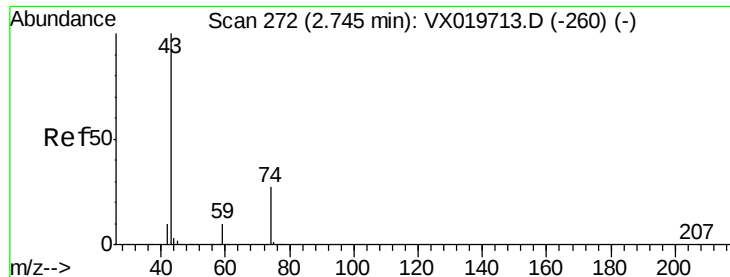
58 32.5 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

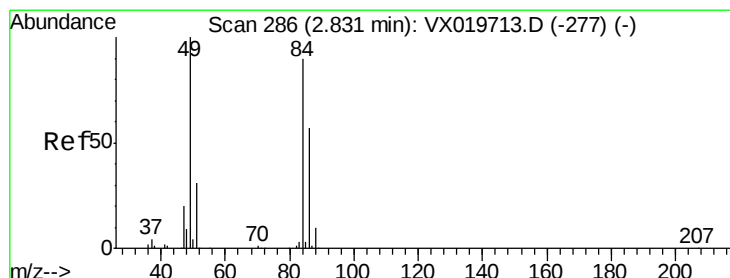
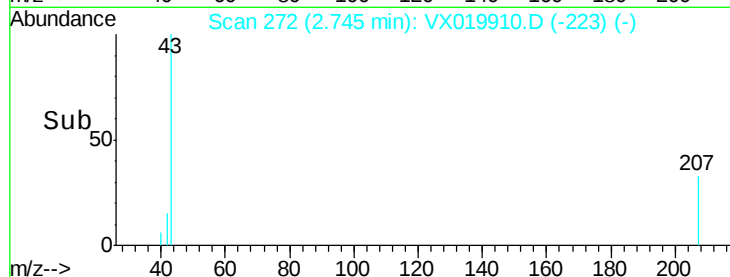
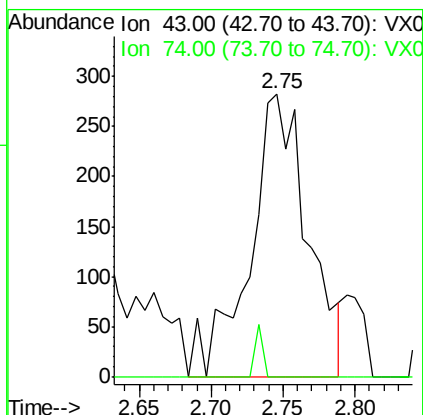
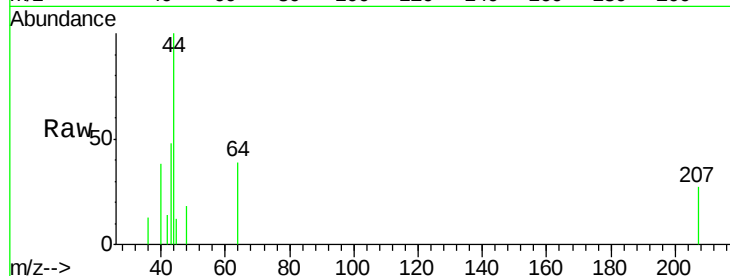




#18
Methyl Acetate
Concen: 0.206 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX019910.D
Acq: 12 Dec 2020 06:10

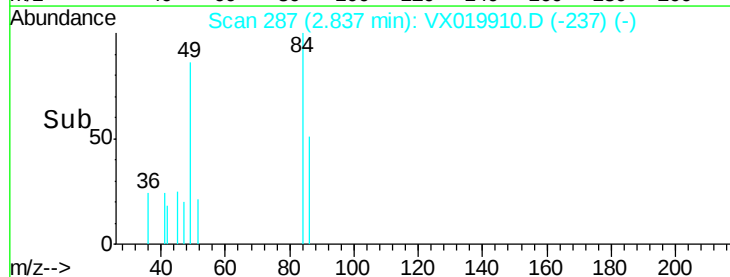
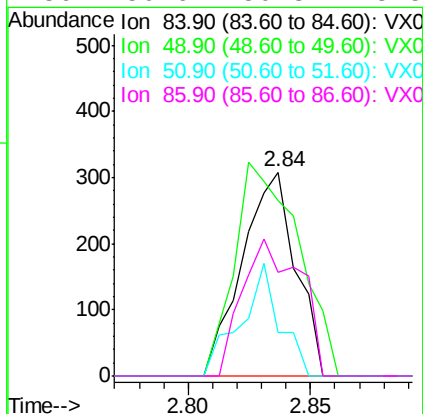
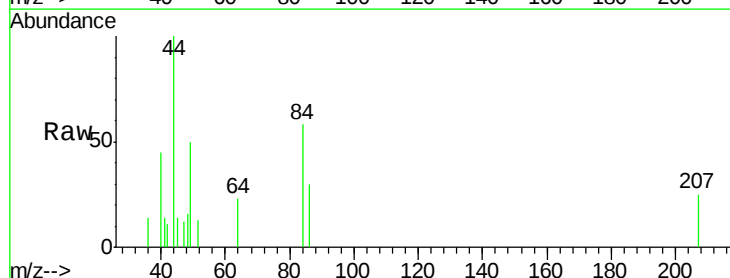
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-7248-120920

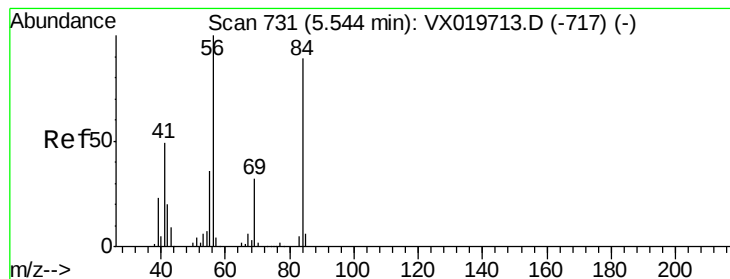
Tgt Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
74 2.4 21.9 32.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019910.D
Acq: 12 Dec 2020 06:10

Tgt Ion: 84 Resp: 469
Ion Ratio Lower Upper
84 100
49 86.0 88.6 132.8#
51 21.4 27.0 40.6#
86 50.6 50.3 75.5





#31

Cyclohexane

Concen: 1.155 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019910.D

Acq: 12 Dec 2020 06:10

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-7248-120920

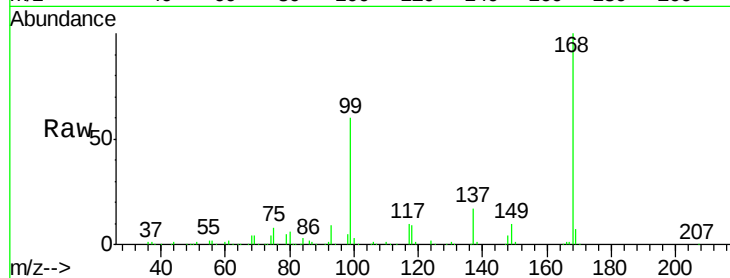
Tgt Ion: 56 Resp: 6012

Ion Ratio Lower Upper

56 100

69 210.3 25.3 37.9#

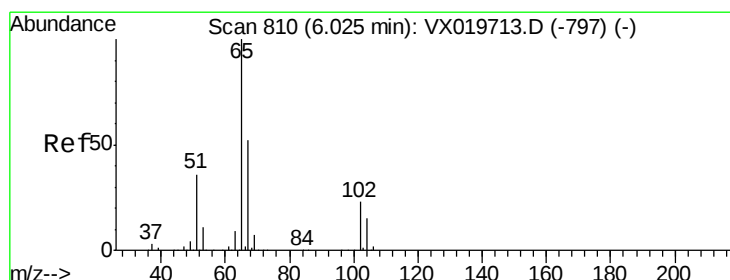
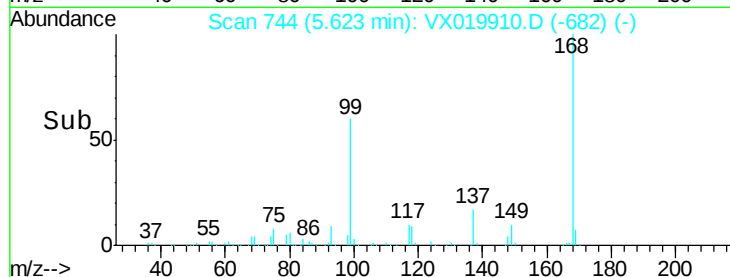
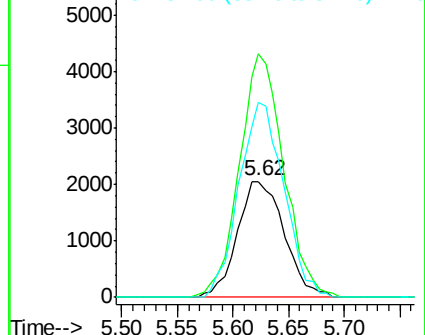
84 168.7 71.4 107.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.297 ug/l

RT: 6.03 min Scan# 810

Delta R.T. 0.00 min

Lab File: VX019910.D

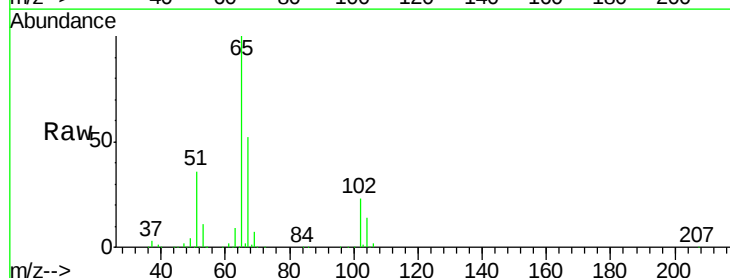
Acq: 12 Dec 2020 06:10

Tgt Ion: 65 Resp: 202134

Ion Ratio Lower Upper

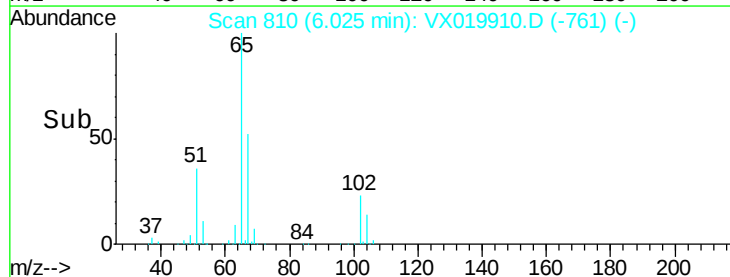
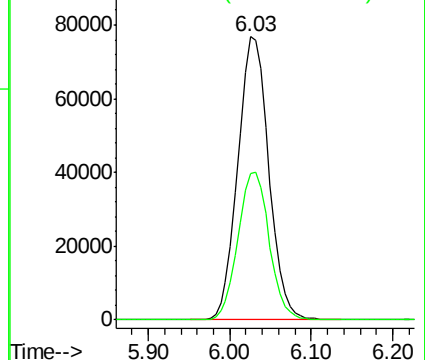
65 100

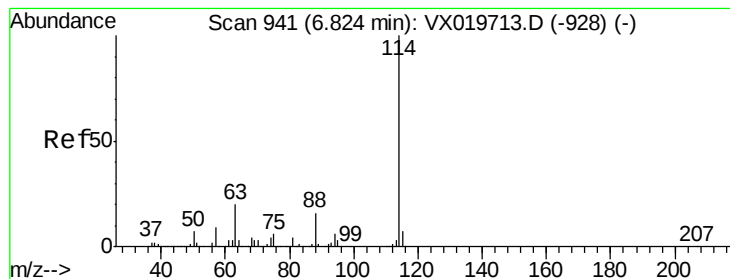
67 52.8 0.0 105.4



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. 0.01 min

Lab File: VX019910.D

Acq: 12 Dec 2020 06:10

Instrument :

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ClientSampleId :

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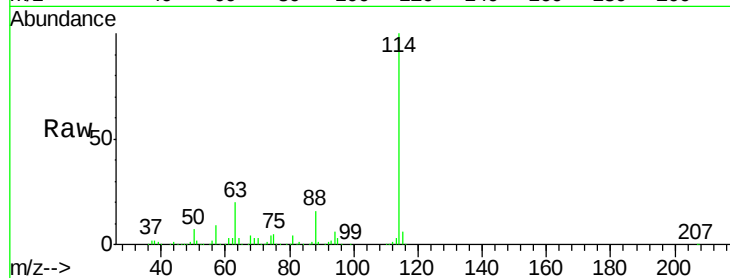
Tgt Ion:114 Resp: 530261

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

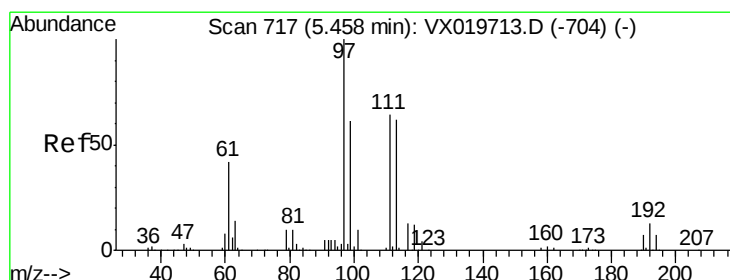
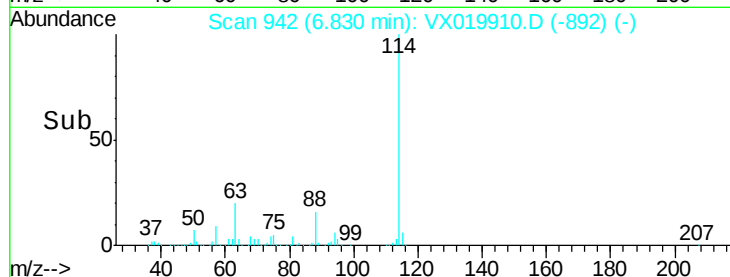
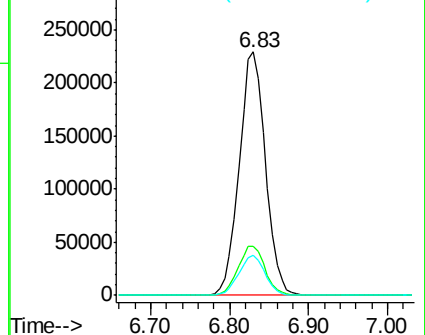
88 16.3 0.0 32.8



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: 47.827 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019910.D

Acq: 12 Dec 2020 06:10

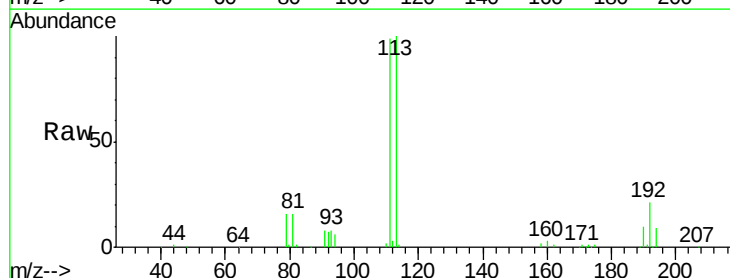
Tgt Ion:113 Resp: 163903

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

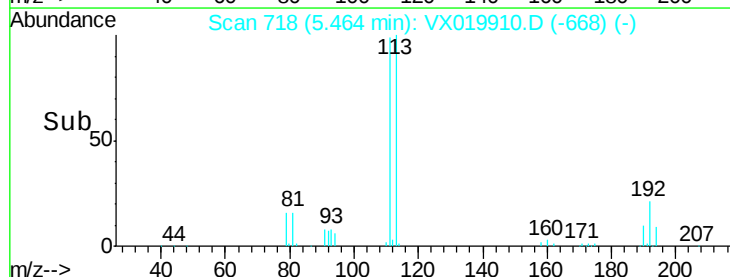
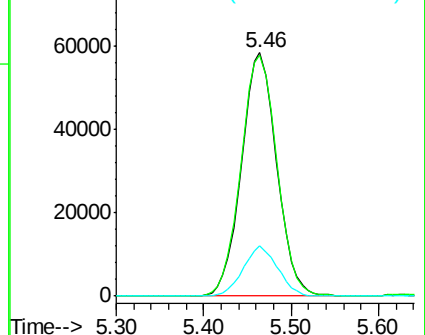
192 20.1 16.7 25.1

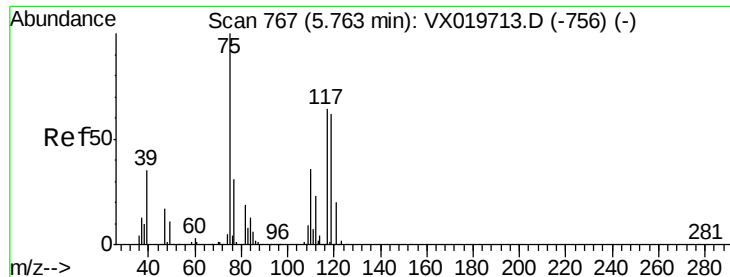


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.981 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019910.D

Acq: 12 Dec 2020 06:10

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-7248-120920

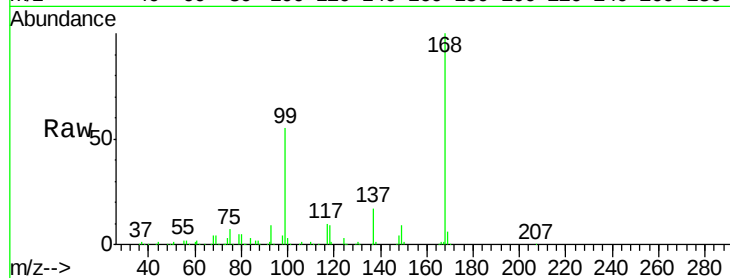
Tgt Ion: 75 Resp: 23867

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

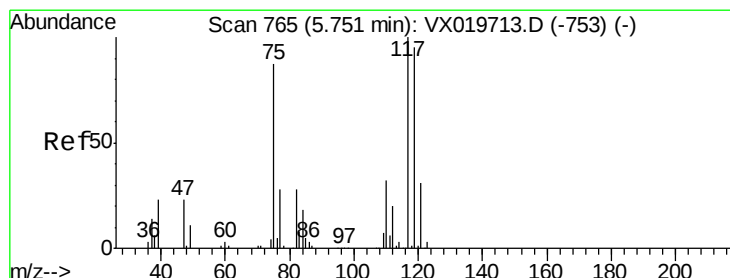
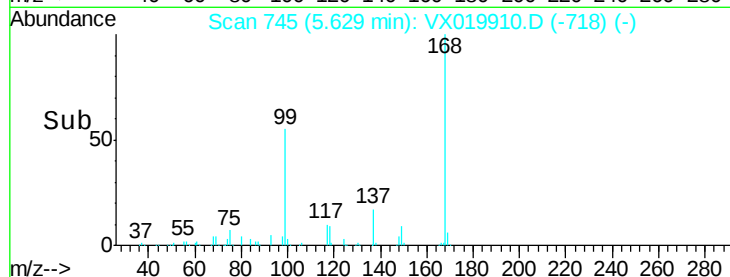
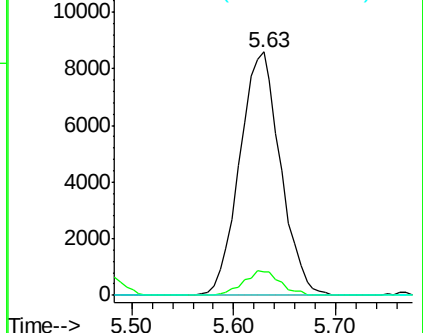
77 0.0 25.3 37.9#



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: 6.738 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019910.D

Acq: 12 Dec 2020 06:10

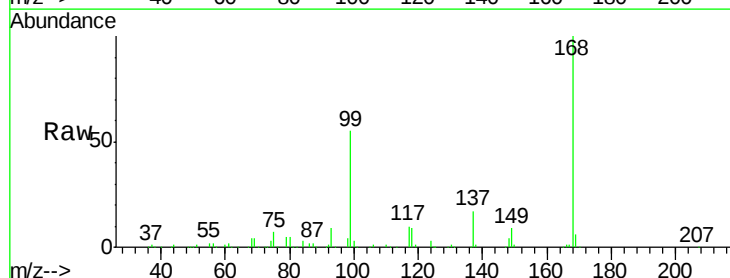
Tgt Ion: 117 Resp: 31615

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

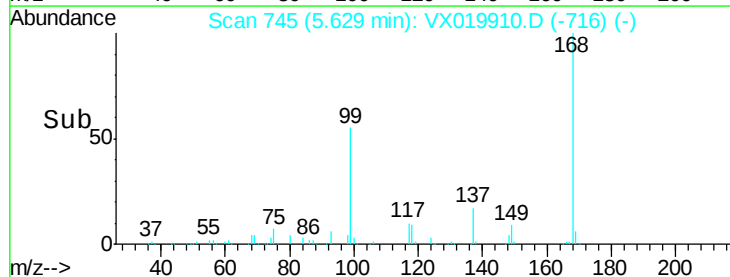
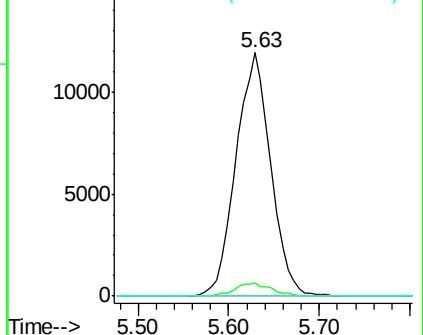
121 0.0 24.8 37.2#

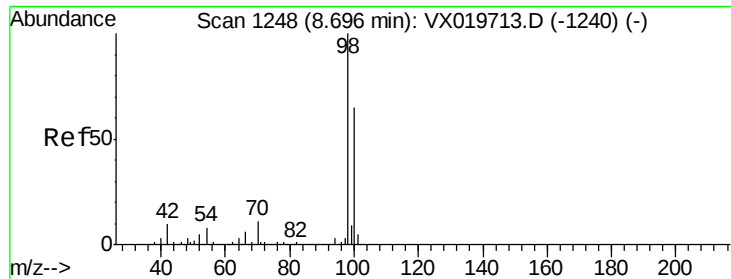


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

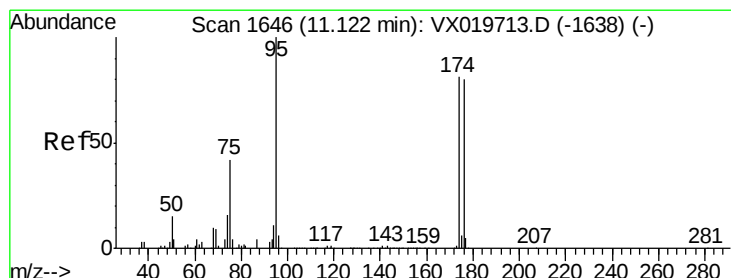
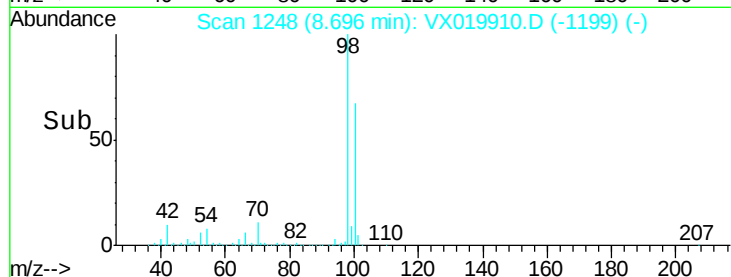
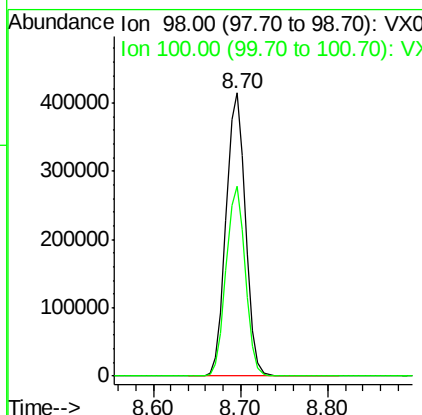
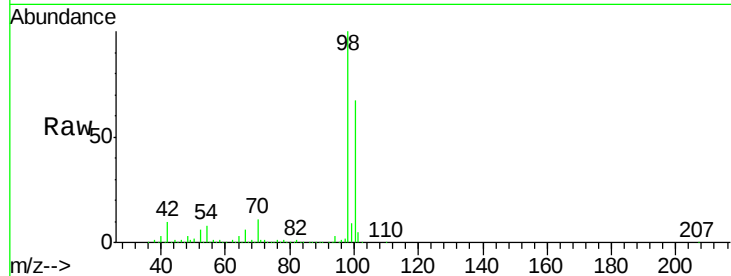




#50
Toluene-d8
Concen: 48.684 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019910.D
Acq: 12 Dec 2020 06:10

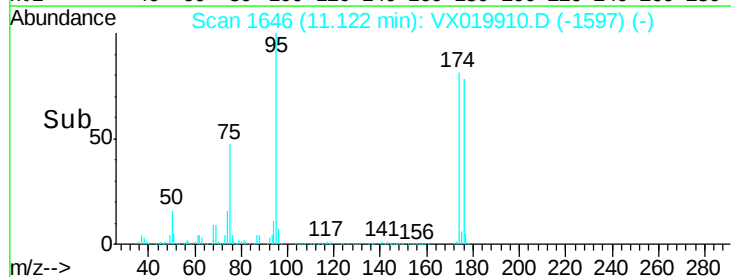
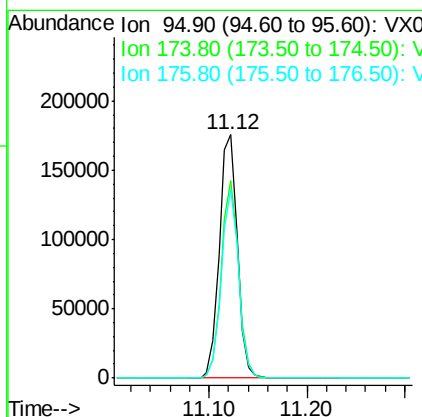
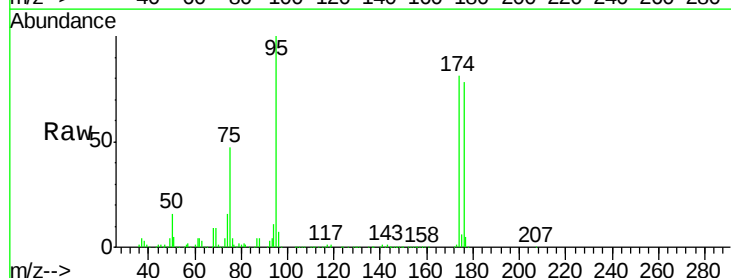
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-7248-120920

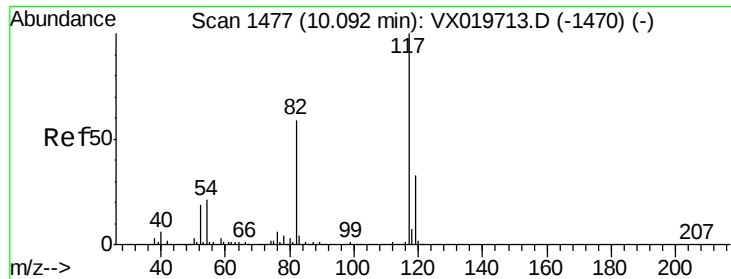
Tgt Ion: 98 Resp: 636951
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.927 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019910.D
Acq: 12 Dec 2020 06:10

Tgt Ion: 95 Resp: 223723
Ion Ratio Lower Upper
95 100
174 78.2 0.0 154.6
176 74.4 0.0 155.8

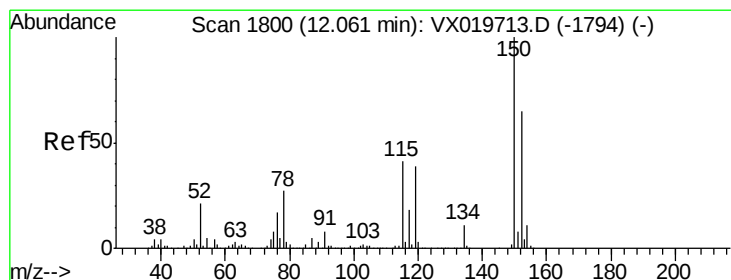
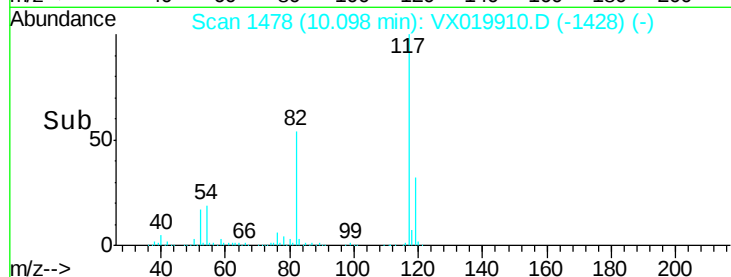
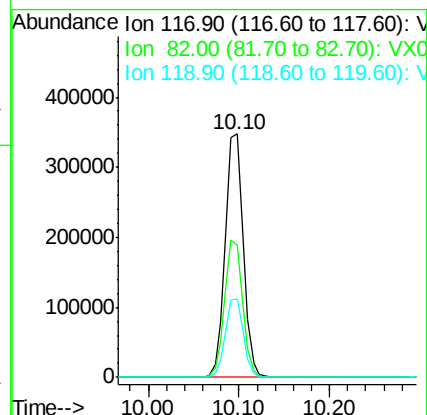
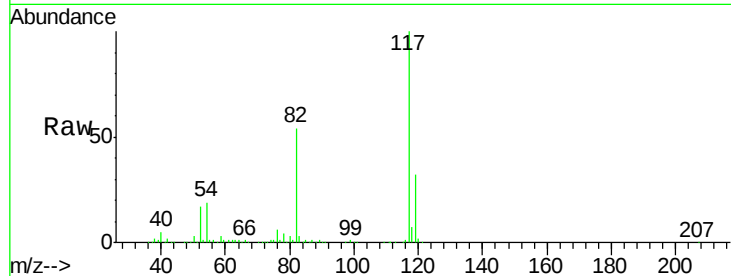




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019910.D
Acq: 12 Dec 2020 06:10

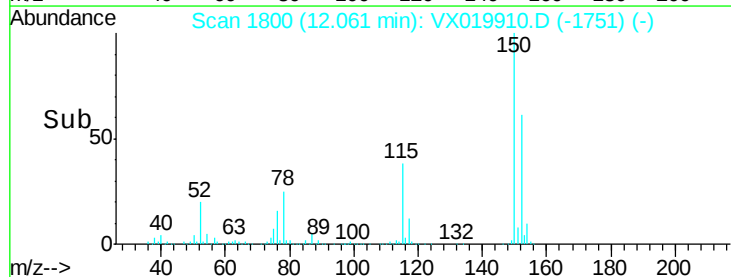
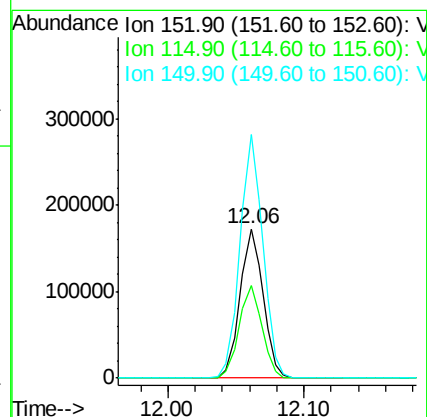
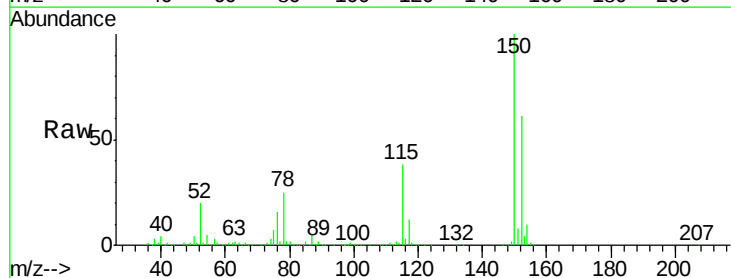
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-7248-120920

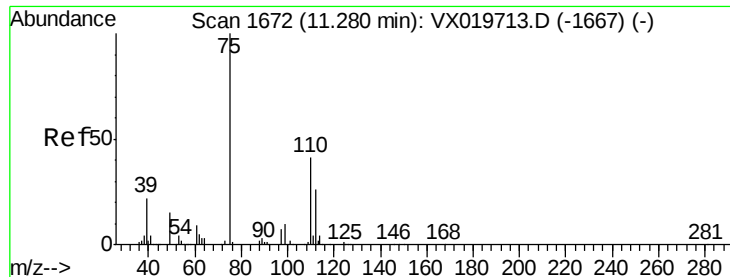
Tgt Ion:117 Resp: 486527
Ion Ratio Lower Upper
117 100
82 54.5 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019910.D
Acq: 12 Dec 2020 06:10

Tgt Ion:152 Resp: 203842
Ion Ratio Lower Upper
152 100
115 61.8 41.1 123.3
150 161.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.753 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019910.D

Acq: 12 Dec 2020 06:10

Instrument :

MSVOA_X

ClientSampleId :

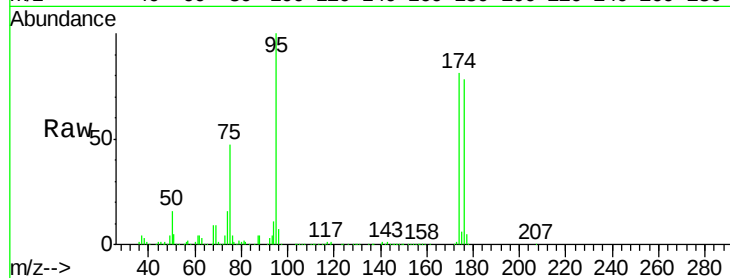
TU032-32-7248-120920

Tgt Ion: 75 Resp: 108594

Ion Ratio Lower Upper

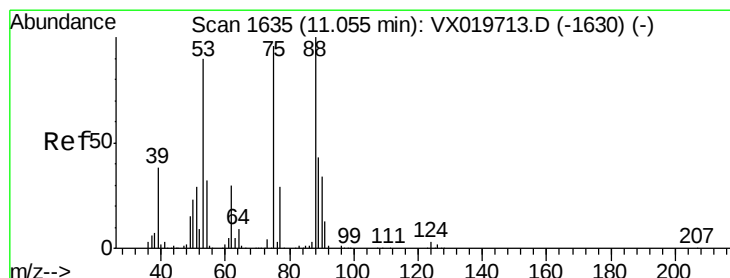
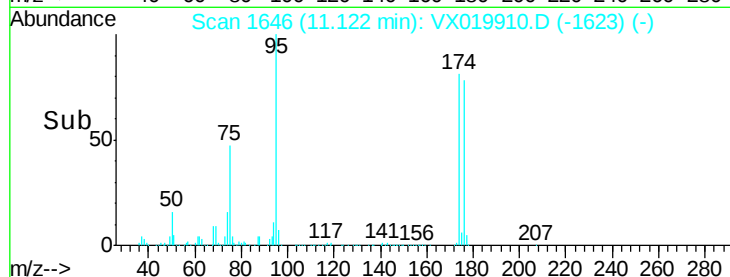
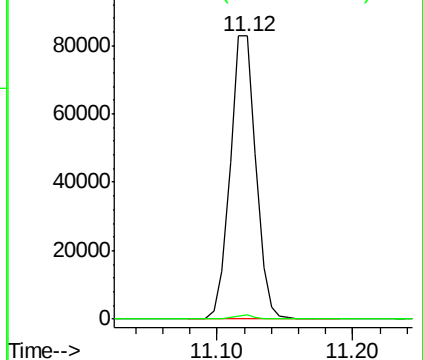
75 100

77 1.3 19.1 57.5#



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: 68.665 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019910.D

Acq: 12 Dec 2020 06:10

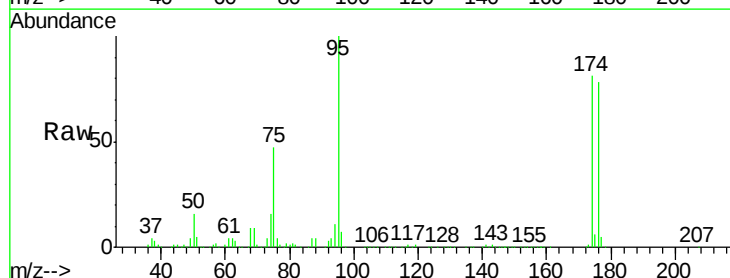
Tgt Ion: 75 Resp: 108594

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#



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

