

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110920\
 Data File : VX019367.D
 Acq On : 09 Nov 2020 14:59
 Operator : JC/MD
 Sample : L4668-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 01:44:47 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	294199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	517381	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	492160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	248867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	206219	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
35) Dibromofluoromethane	5.46	113	162393	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	8.70	98	636151	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.12	95	248966	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

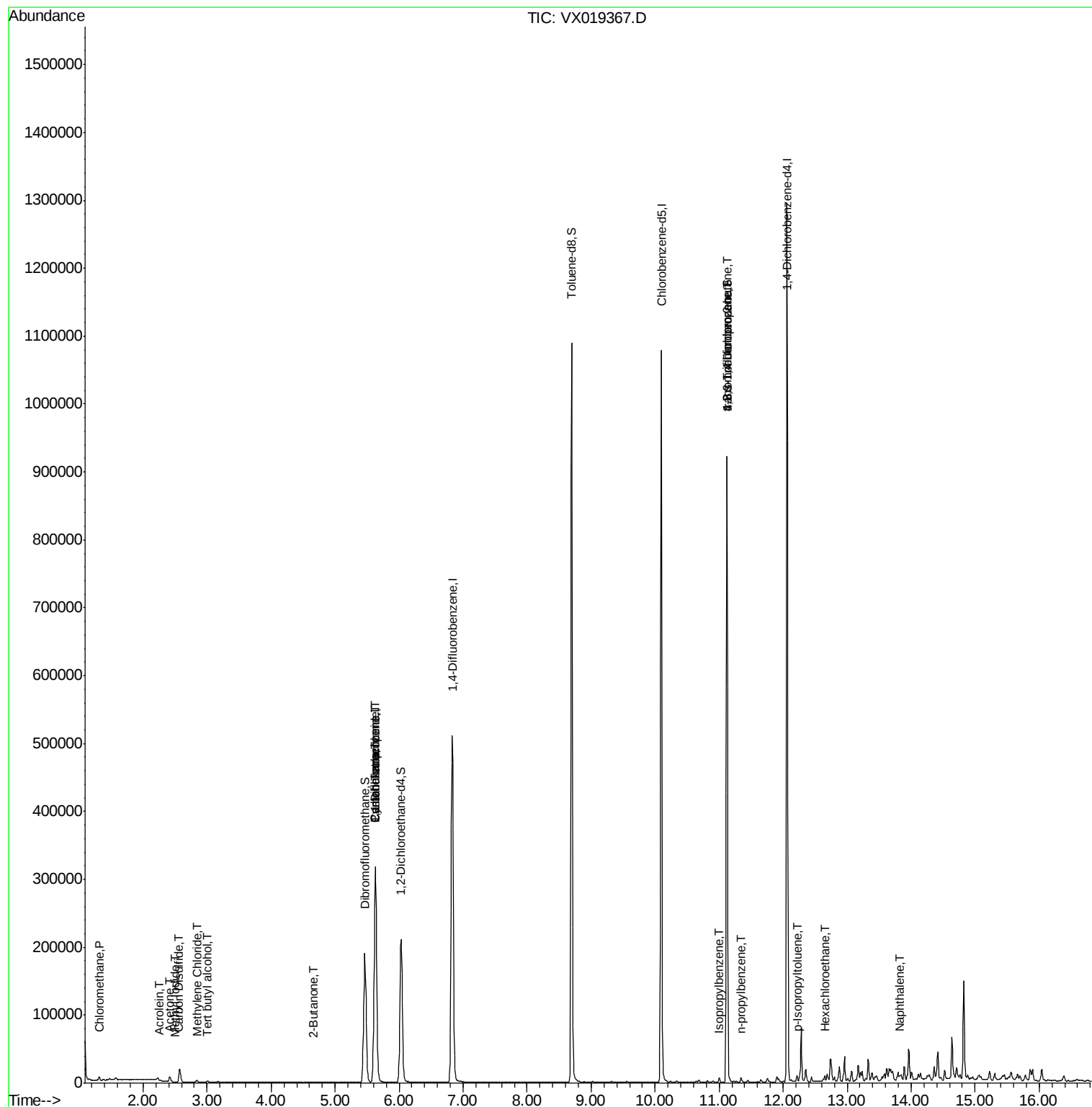
						Qvalue
3) Chloromethane	1.31	50	2589	0.945	ug/l	94
10) Methyl Iodide	2.50	142	92	6.403	ug/l #	39
11) Tert butyl alcohol	3.01	59	2373	3.167	ug/l #	94
13) Acrolein	2.26	56	126	6.015	ug/l #	16
16) Acetone	2.42	43	6987	5.338	ug/l	99
17) Carbon Disulfide	2.55	76	538	0.825	ug/l #	75
20) Methylene Chloride	2.84	84	1158	0.352	ug/l #	94
25) 2-Butanone	4.65	43	717	0.348	ug/l #	44
31) Cyclohexane	5.63	56	6651	1.387	ug/l #	17
36) 1,1-Dichloropropene	5.63	75	23691	4.959	ug/l #	50
38) Carbon Tetrachloride	5.63	117	30525	6.268	ug/l #	17
73) Isopropylbenzene	11.00	105	3534	0.201	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	127743	24.860	ug/l #	37
78) n-propylbenzene	11.34	91	4201	0.209	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	127743	65.455	ug/l #	12
86) p-Isopropyltoluene	12.22	119	3743	0.237	ug/l	92
90) Hexachloroethane	12.65	117	582	0.217	ug/l #	11
95) Naphthalene	13.82	128	3954	0.214	ug/l #	83

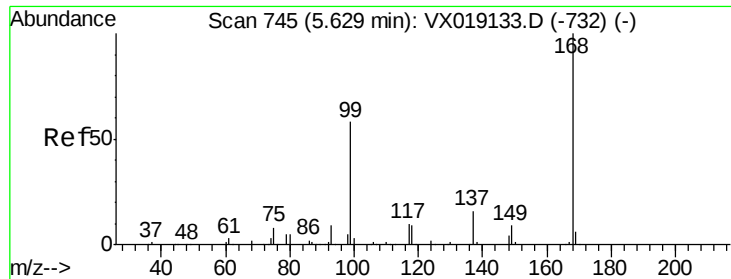
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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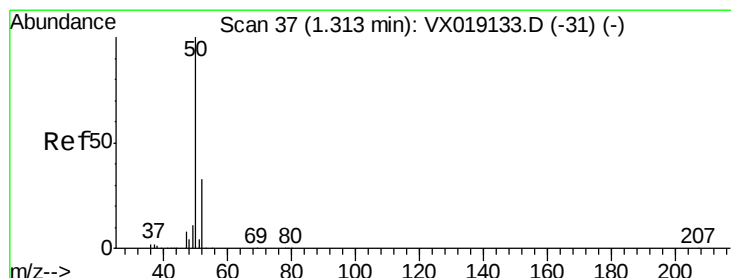
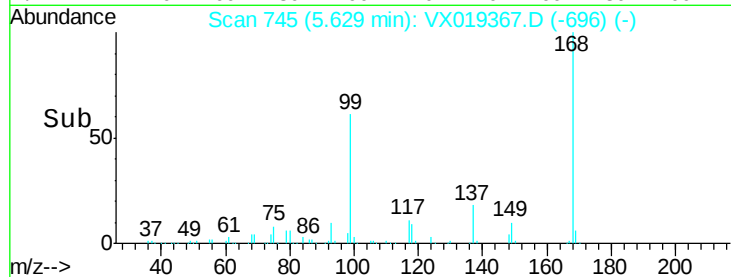
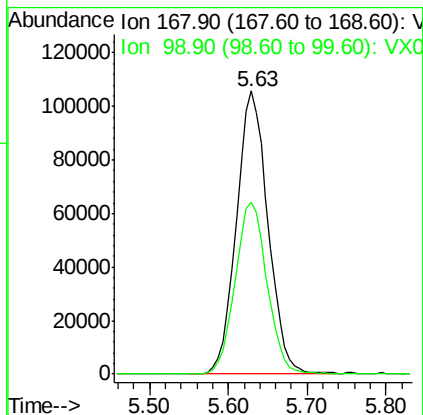
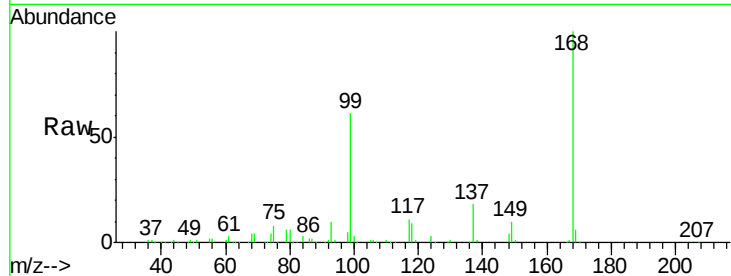


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VX019367.D
 Acq: 09 Nov 2020 14:59

Instrument :
 MSVOA_X
 ClientSampleId :

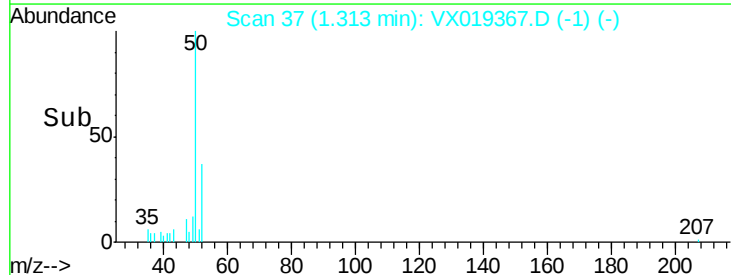
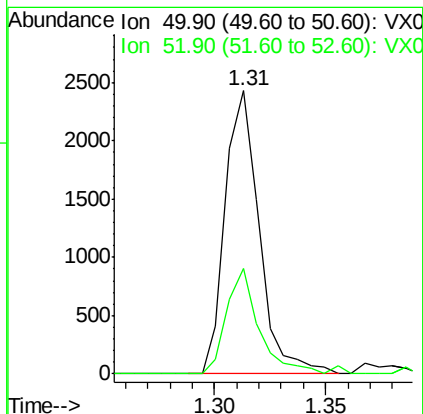
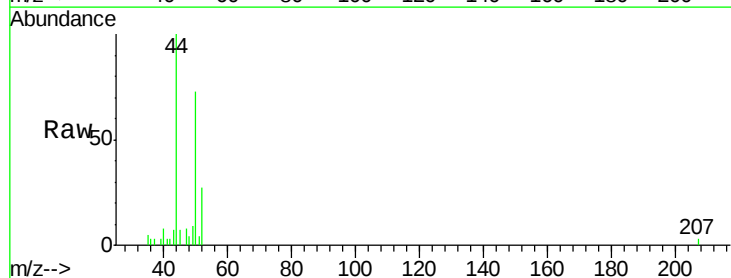
Tot Ion	Ratio	Lower	Upper
168	100		
99	60.7	46.6	69.8

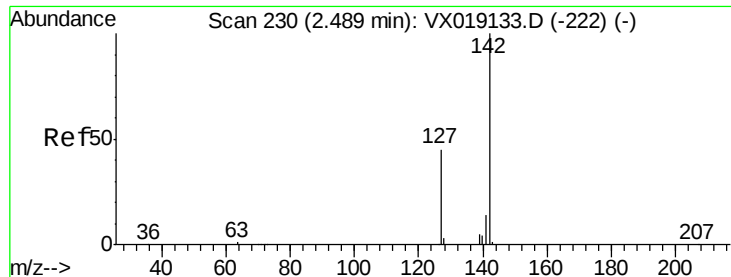


#3

Chloromethane
 Concen: 0.945 ug/l
 RT: 1.31 min Scan# 37
 Delta R.T. 0.00 min
 Lab File: VX019367.D
 Acq: 09 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
50	100		
52	37.1	26.8	40.2





#10

Methvl Iodide

Concen: 6.403 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

Instrument :

MSVOA_X

ClientSampled :

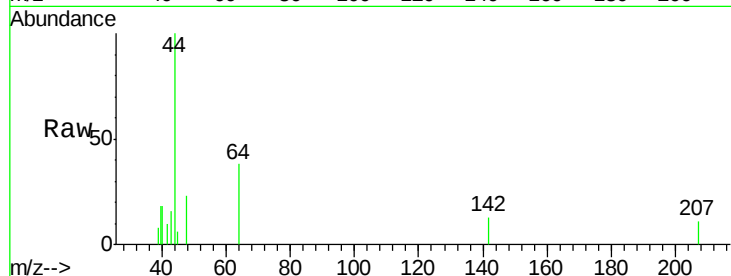
Tot Ion:142 Resp: 92

Ion Ratio Lower Upper

142 100

127 0.0 36.1 54.1#

141 0.0 11.3 16.9#

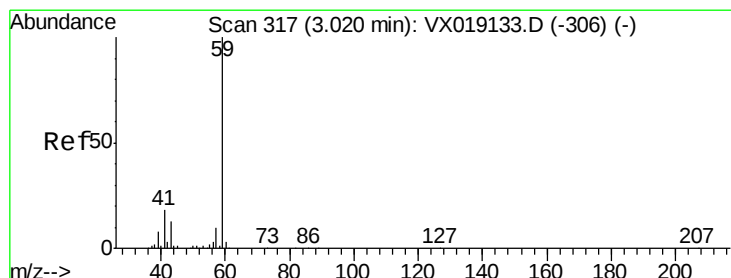
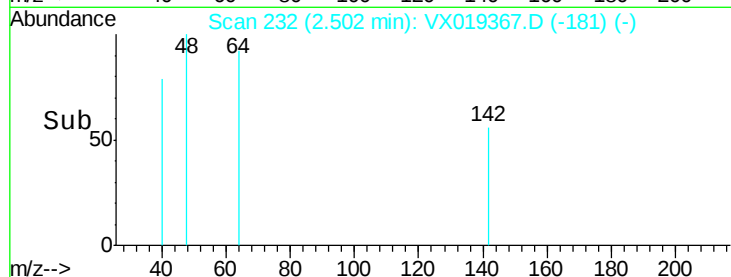
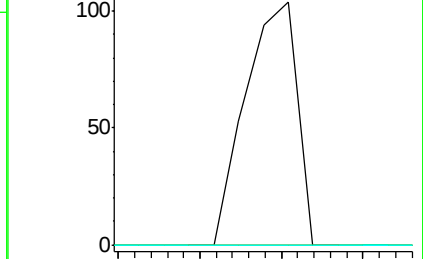


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.50



#11

Tert butyl alcohol

Concen: 3.167 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX019367.D

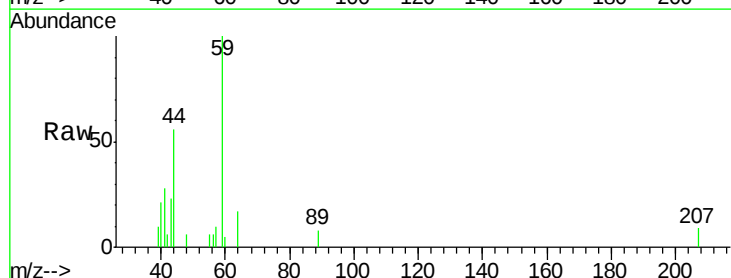
Acq: 09 Nov 2020 14:59

Tgt Ion: 59 Resp: 2373

Ion Ratio Lower Upper

59 100

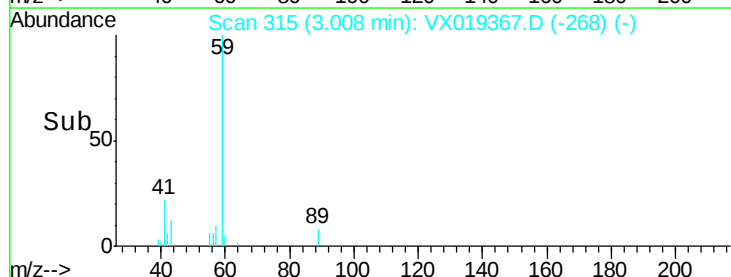
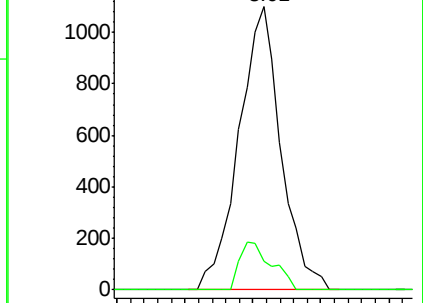
57 12.9 8.4 12.6#

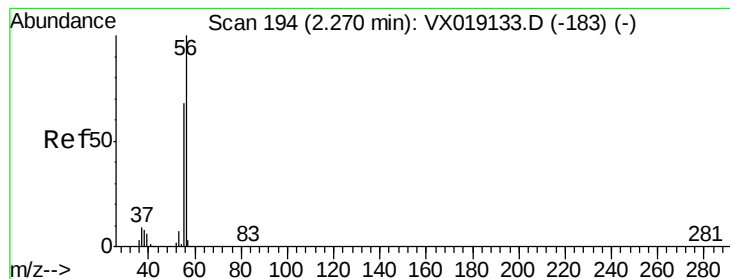


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01





#13

Acrolein

Concen: 6.015 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

Instrument :

MSVOA_X

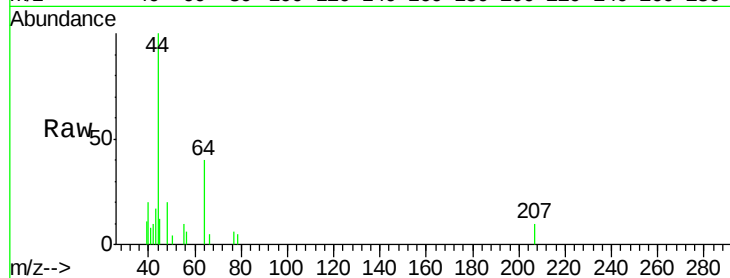
ClientSampleId :

Tot Ion: 56 Resp: 126

Ion Ratio Lower Upper

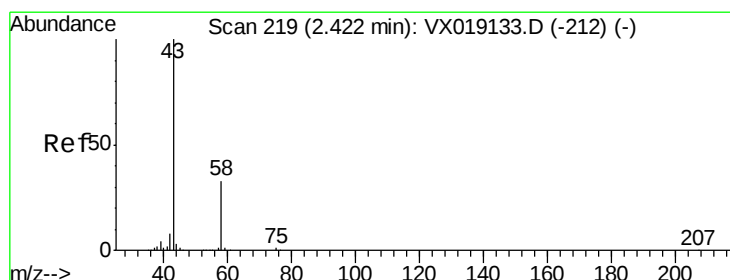
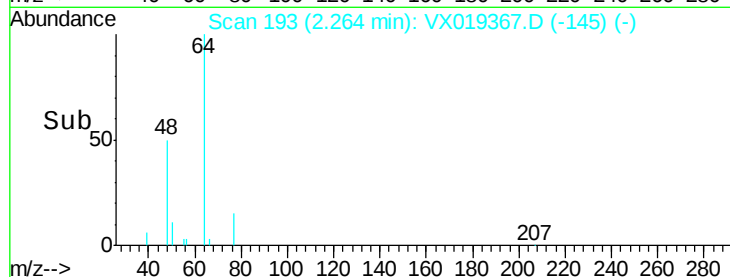
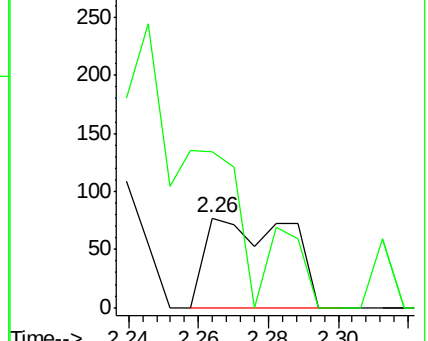
56 100

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: 5.338 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019367.D

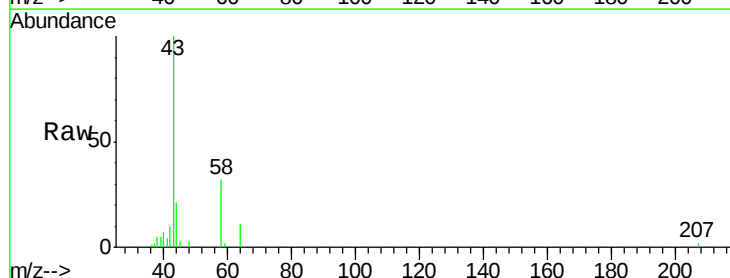
Acq: 09 Nov 2020 14:59

Tgt Ion: 43 Resp: 6987

Ion Ratio Lower Upper

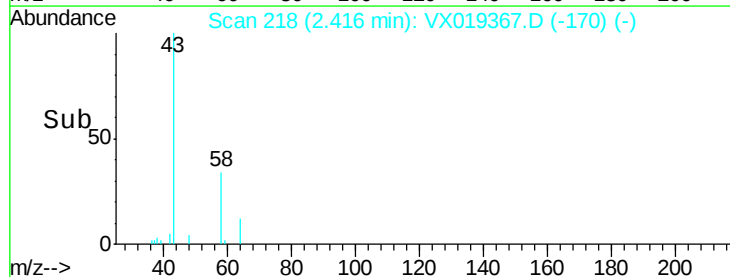
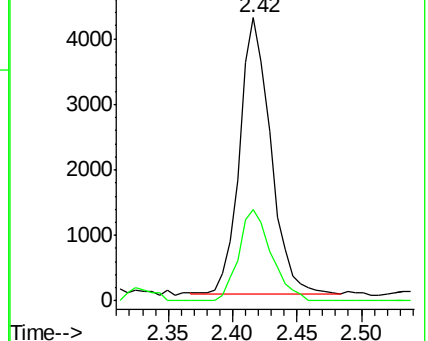
43 100

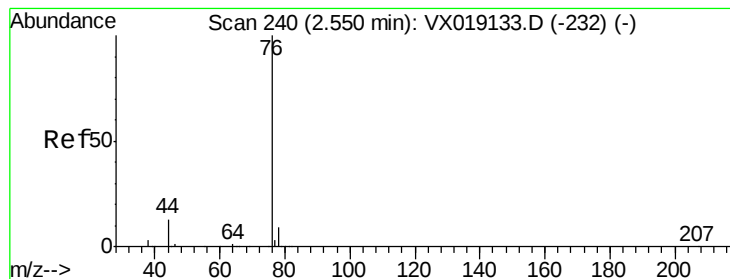
58 33.2 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.825 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

Instrument :

MSVOA_X

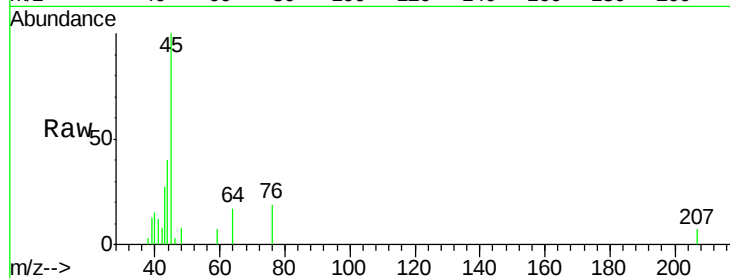
ClientSampleId :

Tot Ion: 76 Resp: 538

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

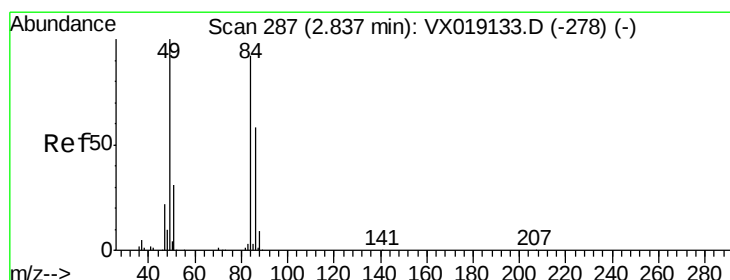
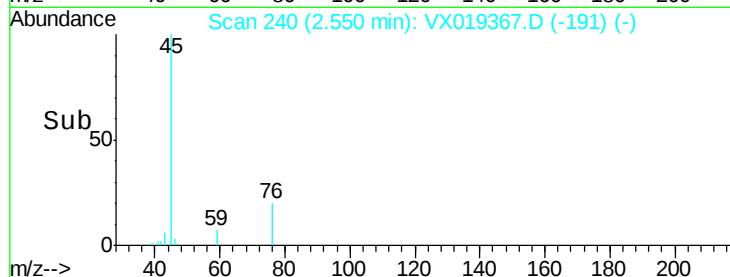
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.352 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

Tgt Ion: 84 Resp: 1158

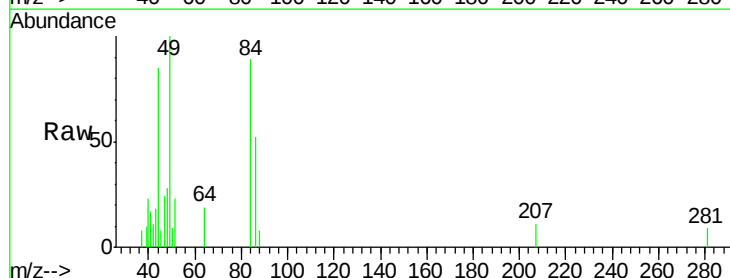
Ion Ratio Lower Upper

84 100

49 112.7 86.8 130.2

51 25.4 27.3 40.9#

86 59.0 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

1000

800

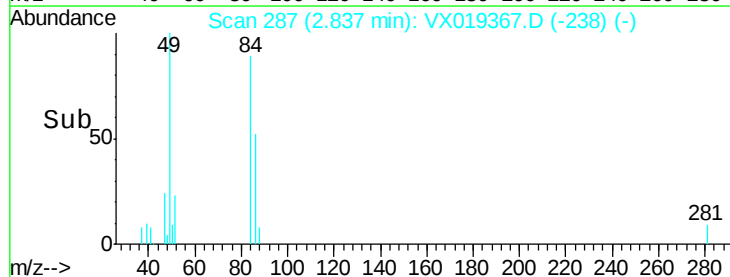
600

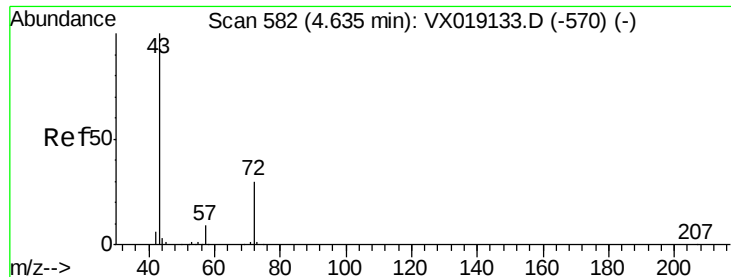
400

200

0

Time-->





#25

2-Butanone

Concen: 0.348 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

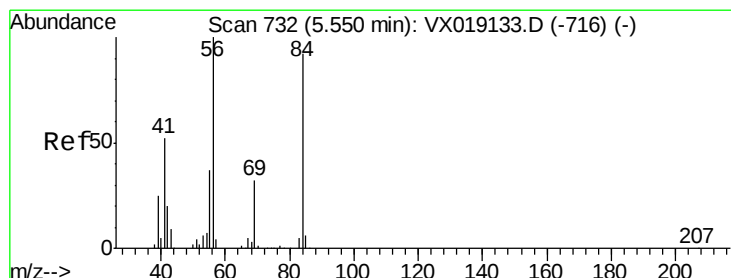
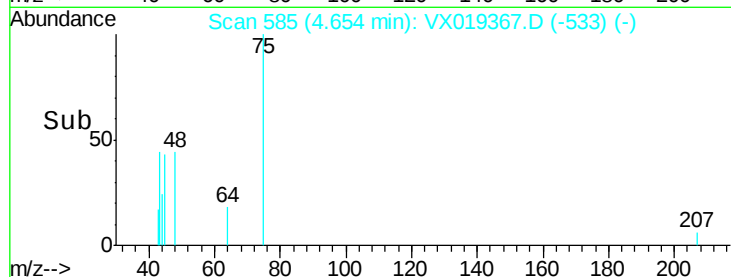
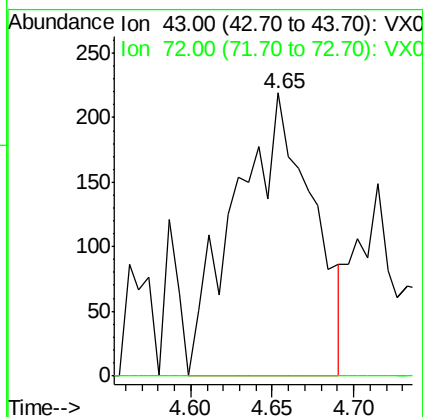
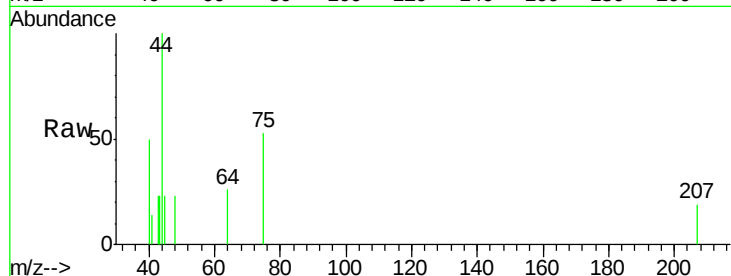
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 717

Ion Ratio Lower Upper

43 100

72 0.0 24.6 36.8#



#31

Cyclohexane

Concen: 1.387 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

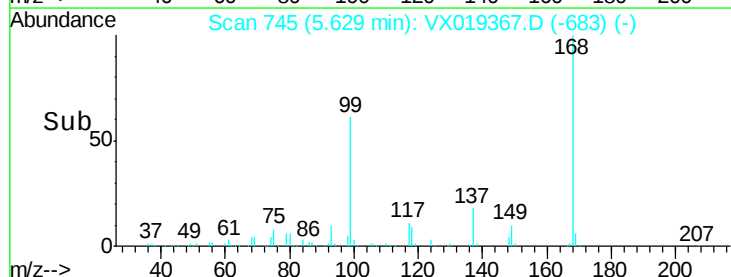
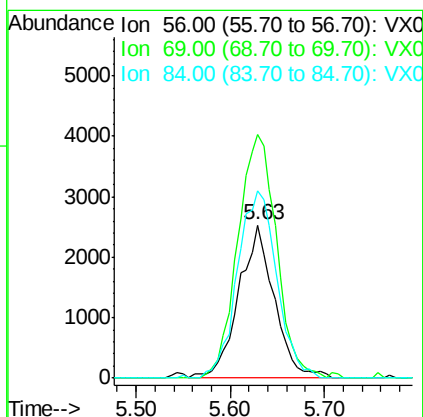
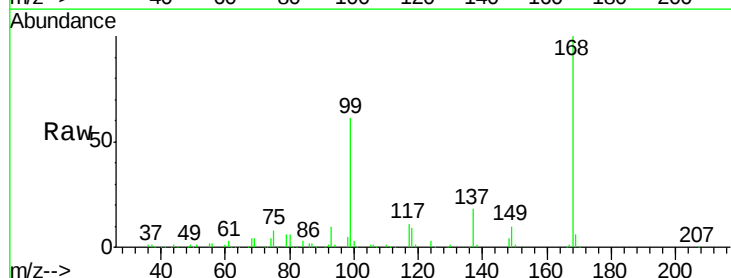
Tgt Ion: 56 Resp: 6651

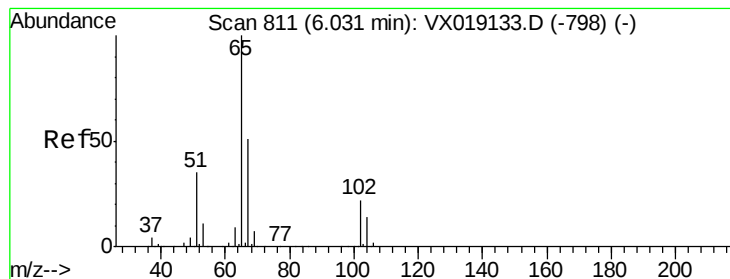
Ion Ratio Lower Upper

56 100

69 159.0 25.9 38.9#

84 122.7 73.4 110.2#





#33

1,2-Dichloroethane-d4

Concen: 54.353 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

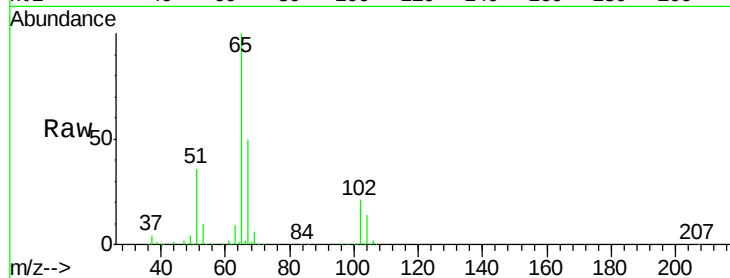
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 206219

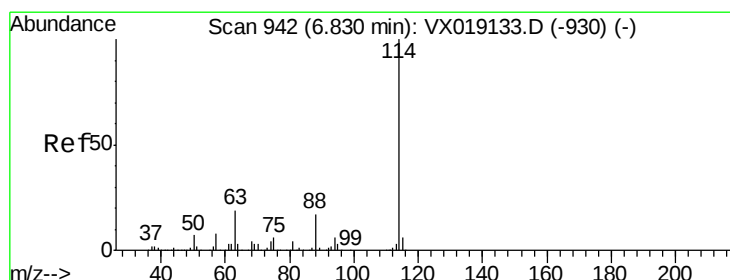
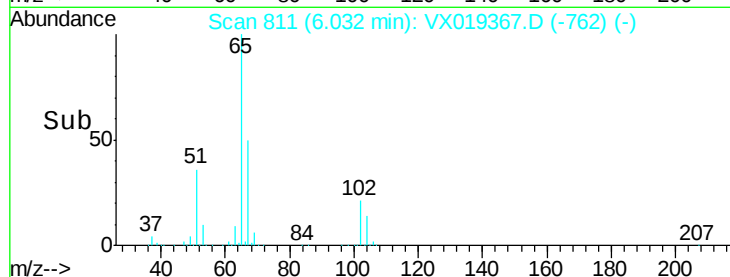
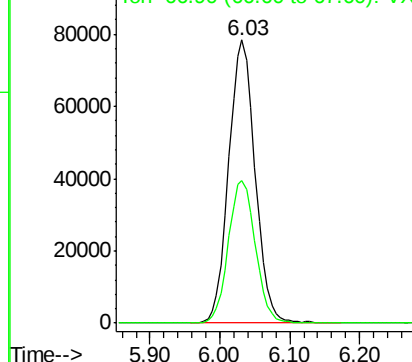
Ion Ratio Lower Upper

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: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

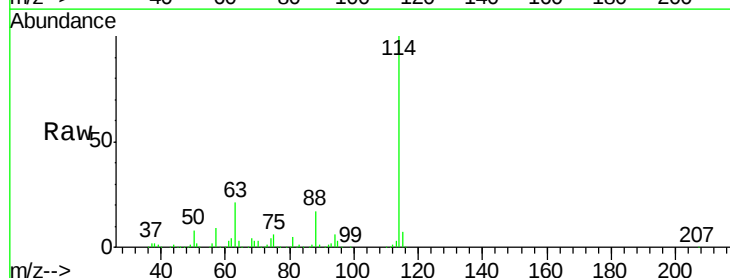
Tgt Ion: 114 Resp: 517381

Ion Ratio Lower Upper

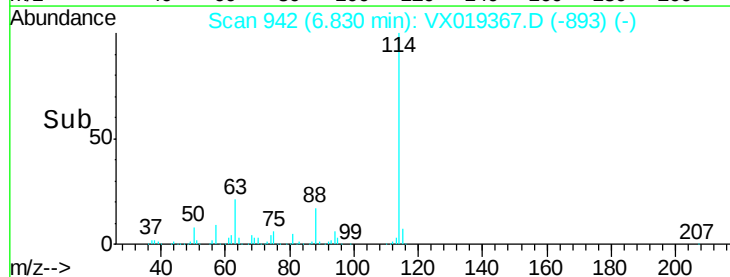
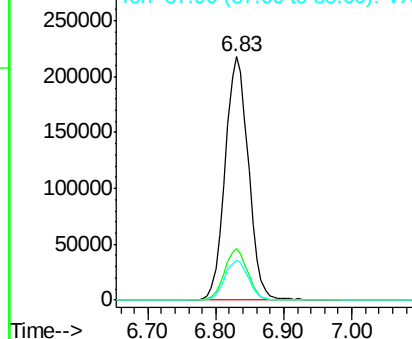
114 100

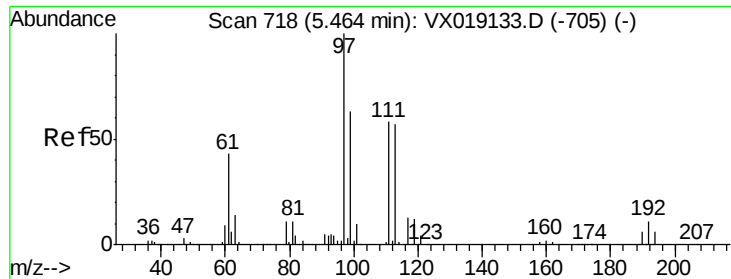
63 21.4 0.0 38.8

88 16.6 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

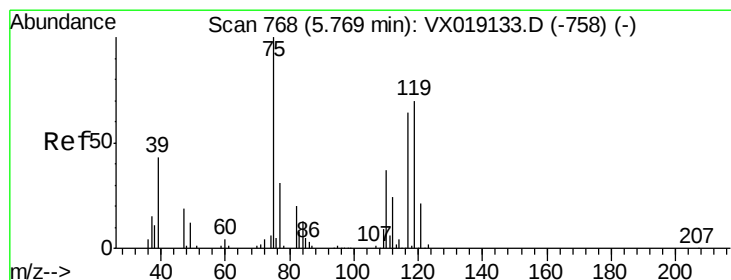
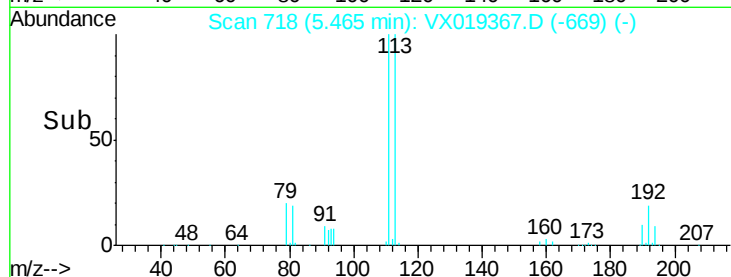
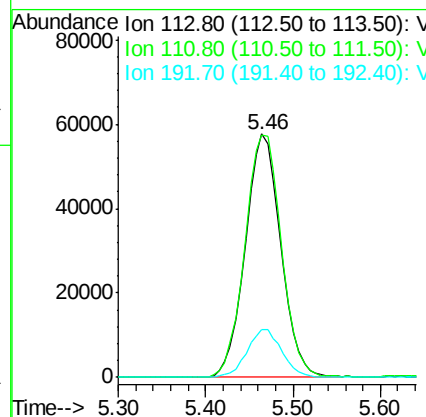
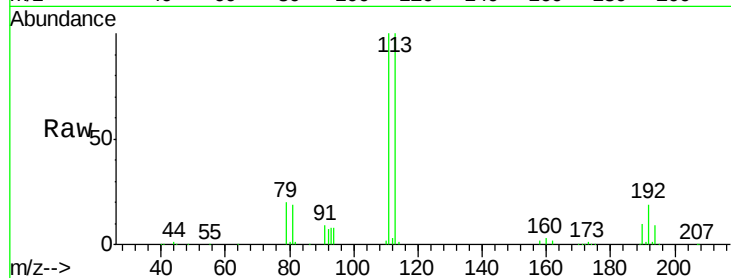




#35
 Dibromofluoromethane
 Concen: 49.969 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX019367.D
 Acq: 09 Nov 2020 14:59

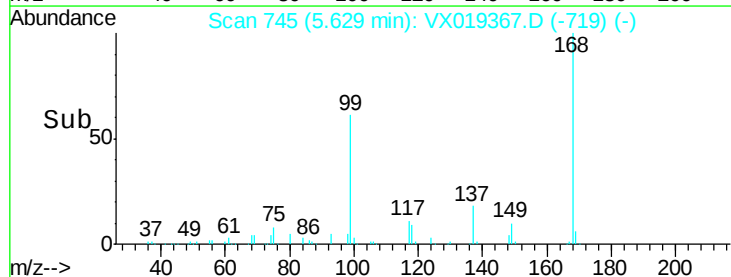
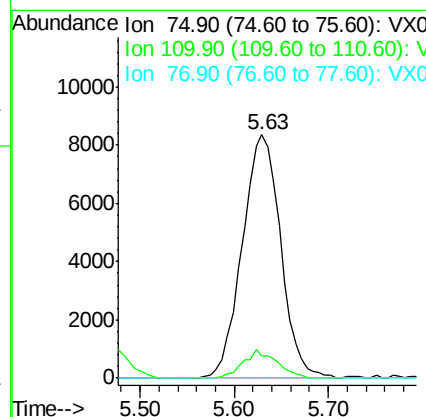
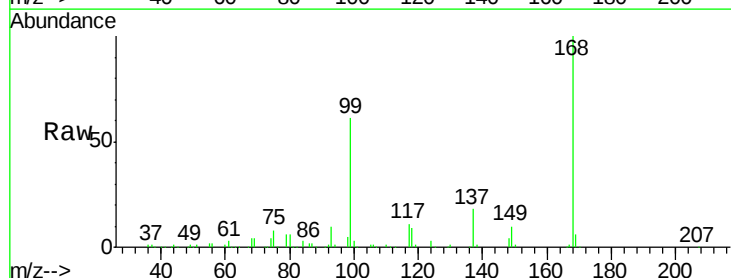
Instrument :
 MSVOA_X
 ClientSampleId :

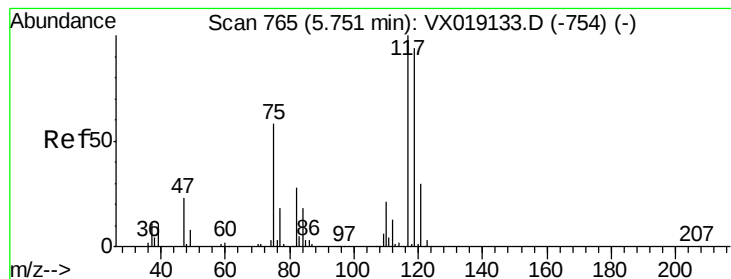
Tot Ion:113 Resp: 162393
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.3 123.5
 192 19.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.959 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019367.D
 Acq: 09 Nov 2020 14:59

Tgt Ion: 75 Resp: 23691
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.3 54.9#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.268 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

Instrument :

MSVOA_X

ClientSampled :

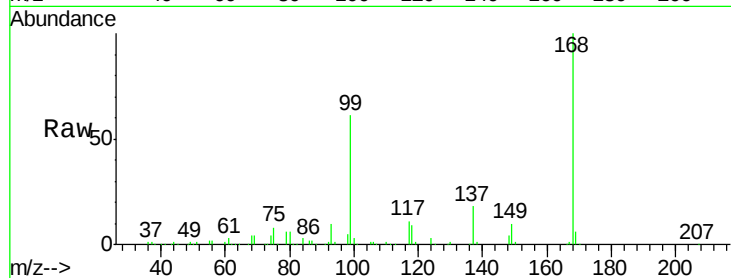
Tot Ion:117 Resp: 30525

Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.6#

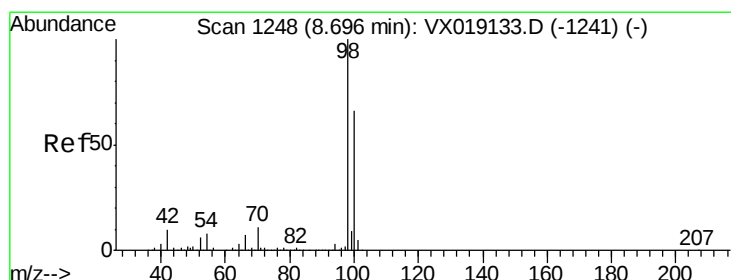
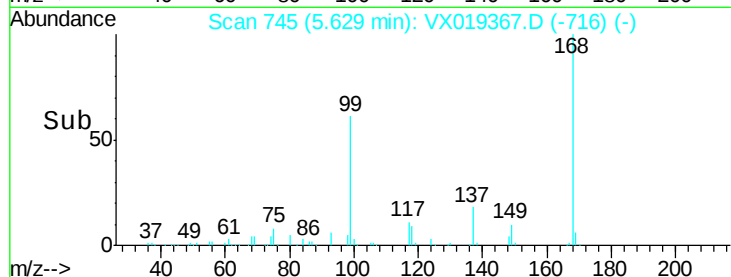
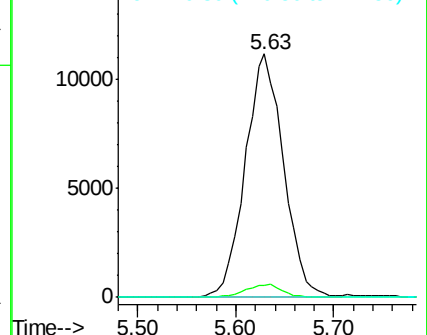
121 0.0 23.9 35.9#



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: 51.927 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019367.D

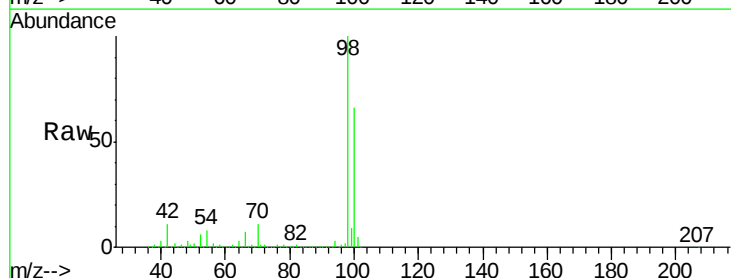
Acq: 09 Nov 2020 14:59

Tgt Ion: 98 Resp: 636151

Ion Ratio Lower Upper

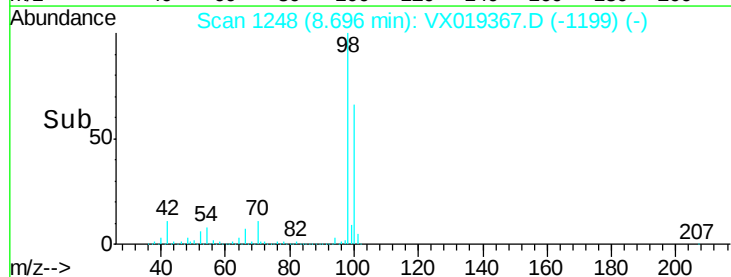
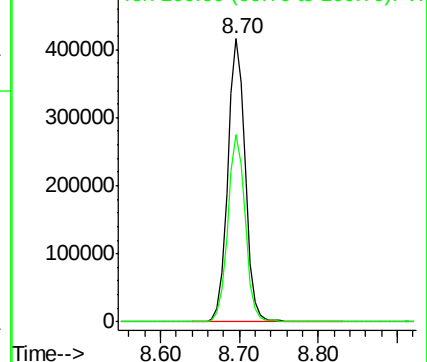
98 100

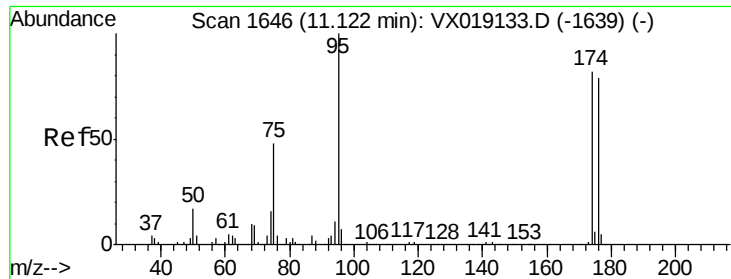
100 66.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

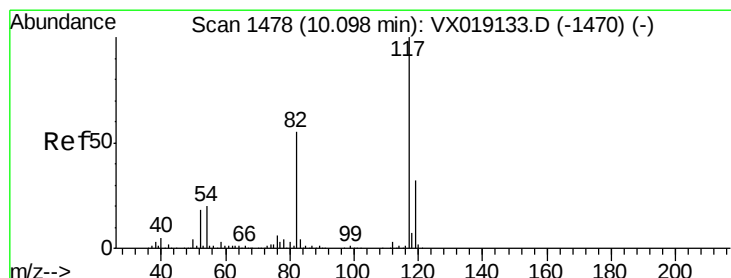
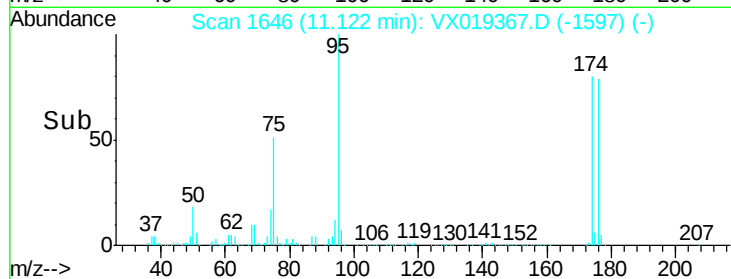
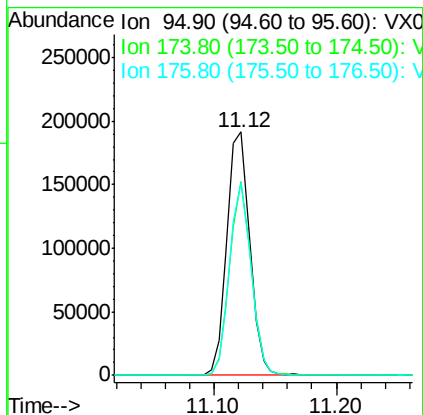
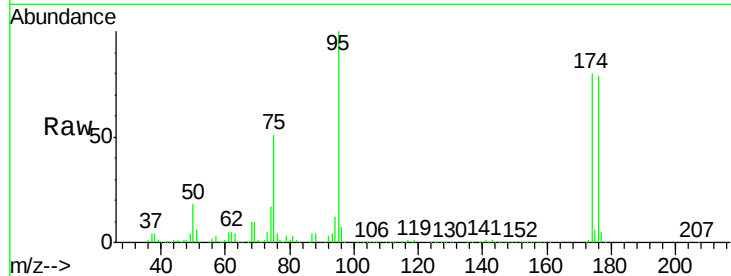




#62
4-Bromofluorobenzene
Concen: 53.663 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019367.D
Acq: 09 Nov 2020 14:59

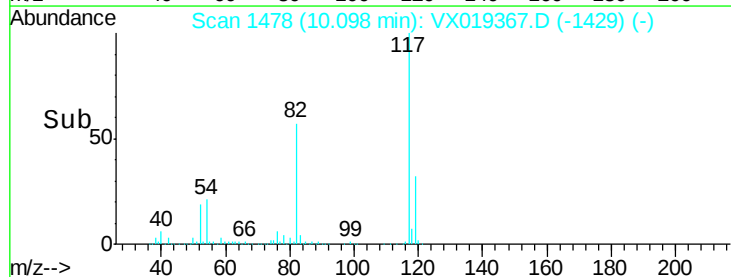
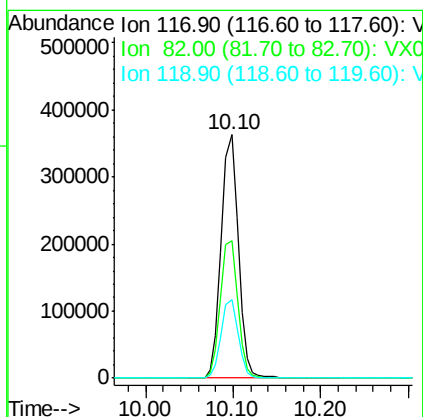
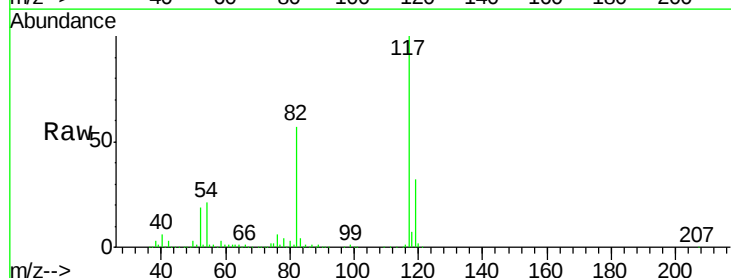
Instrument :
MSVOA_X
ClientSampled :

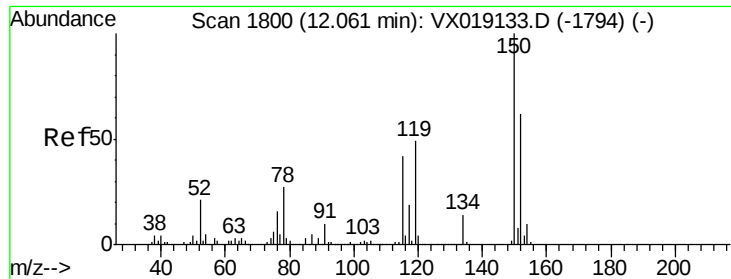
Tot Ion: 95 Resp: 248966
Ion Ratio Lower Upper
95 100
174 74.8 0.0 156.0
176 74.4 0.0 149.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019367.D
Acq: 09 Nov 2020 14:59

Tgt Ion: 117 Resp: 492160
Ion Ratio Lower Upper
117 100
82 56.5 43.6 65.4
119 32.0 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: VX019367.D

Acq: 09 Nov 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

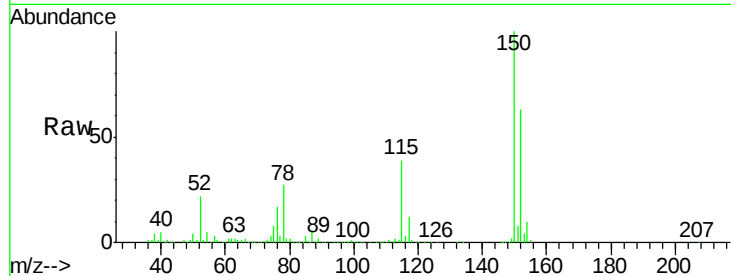
Tot Ion:152 Resp: 248867

Ion Ratio Lower Upper

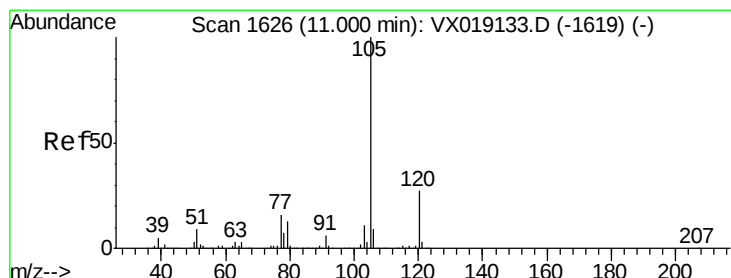
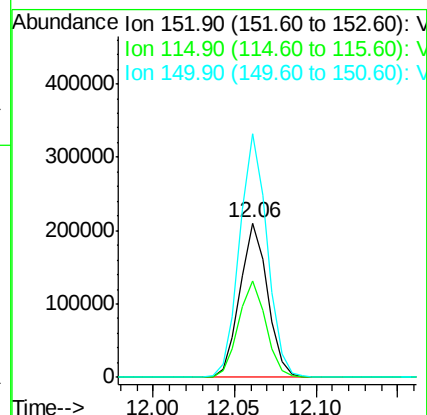
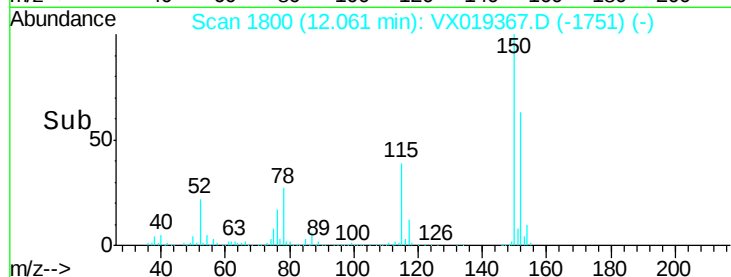
152 100

115 61.8 41.9 125.7

150 157.5 0.0 347.8



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



#73

Isopropylbenzene

Concen: 0.201 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019367.D

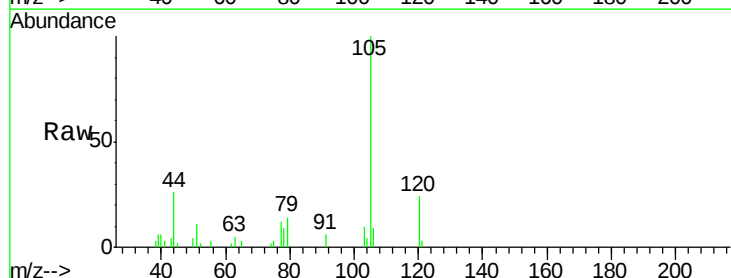
Acq: 09 Nov 2020 14:59

Tgt Ion:105 Resp: 3534

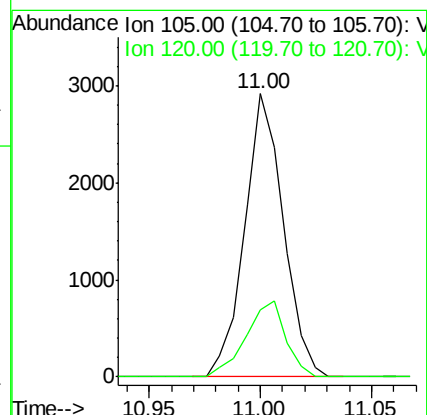
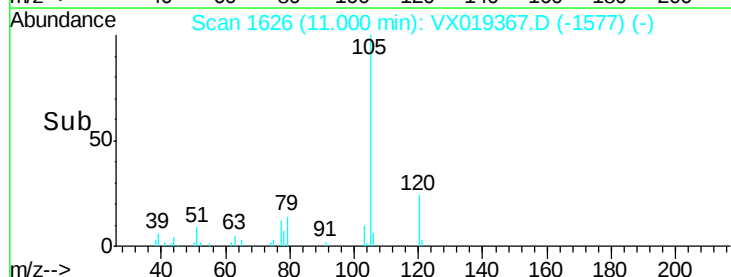
Ion Ratio Lower Upper

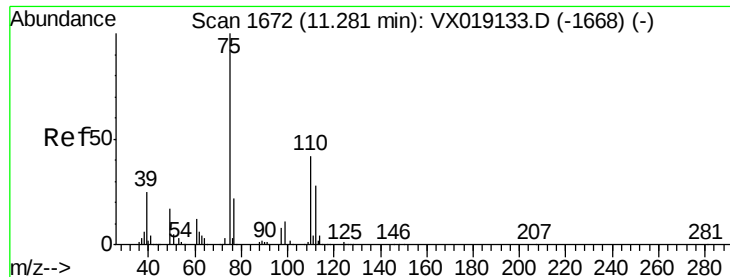
105 100

120 27.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 24.860 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

Instrument :

MSVOA_X

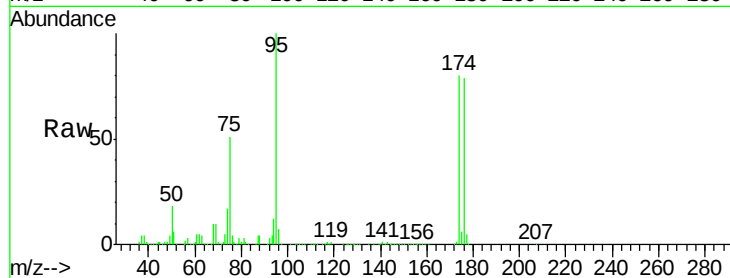
ClientSampled :

Tot Ion: 75 Resp: 127743

Ion Ratio Lower Upper

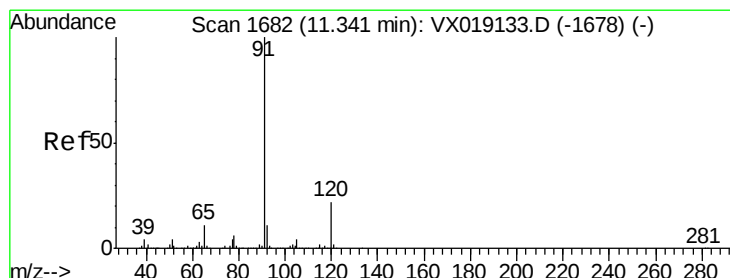
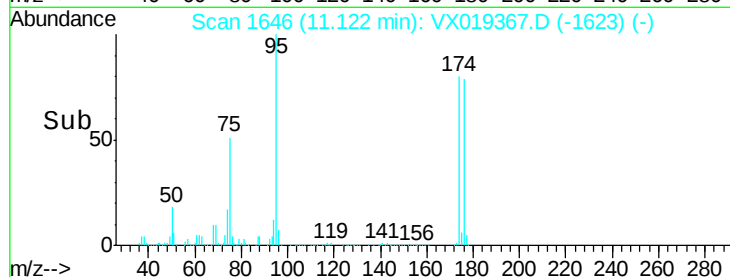
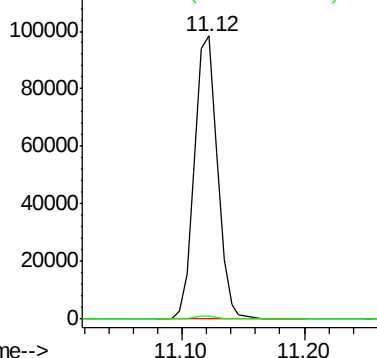
75 100

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



#78

n-propylbenzene

Concen: 0.209 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019367.D

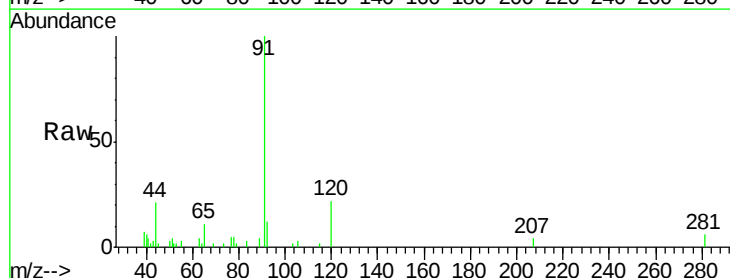
Acq: 09 Nov 2020 14:59

Tgt Ion: 91 Resp: 4201

Ion Ratio Lower Upper

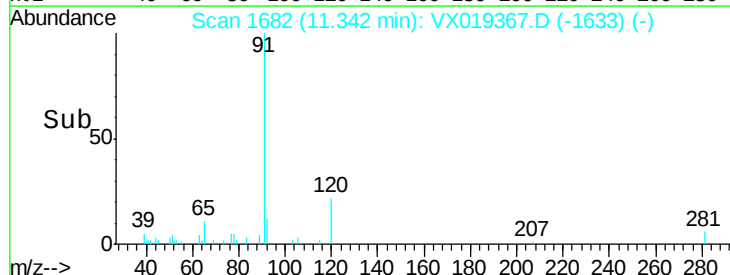
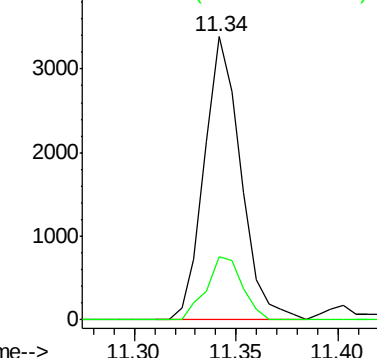
91 100

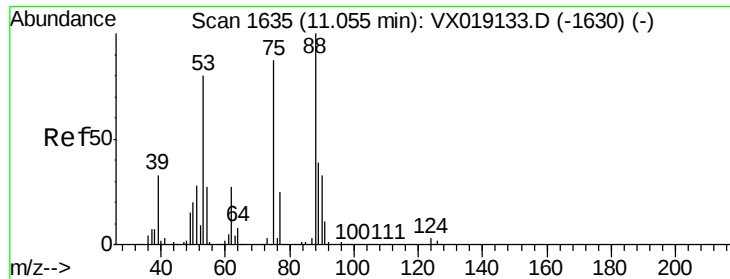
120 21.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

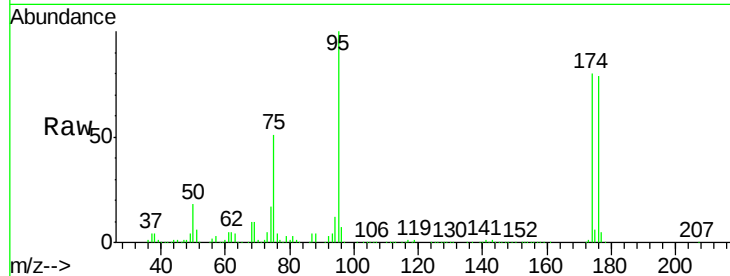




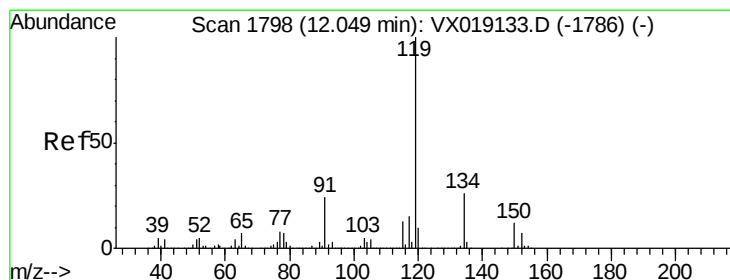
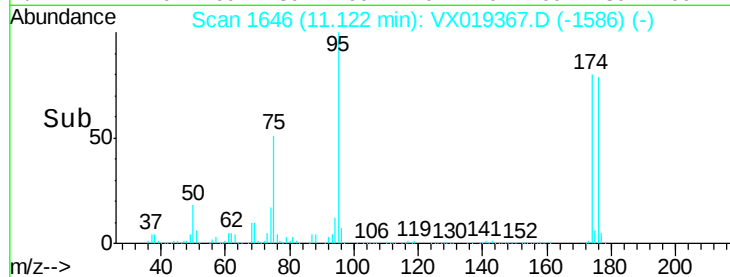
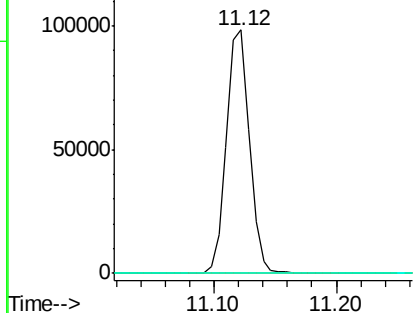
#81
trans-1,4-Dichloro-2-butene
Concen: 65.455 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019367.D
Acq: 09 Nov 2020 14:59

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 127743
Ion Ratio Lower Upper
75 100
53 0.0 73.3 109.9#
89 0.0 38.2 57.2#

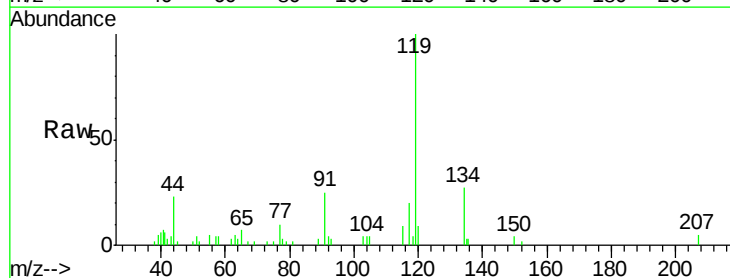


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

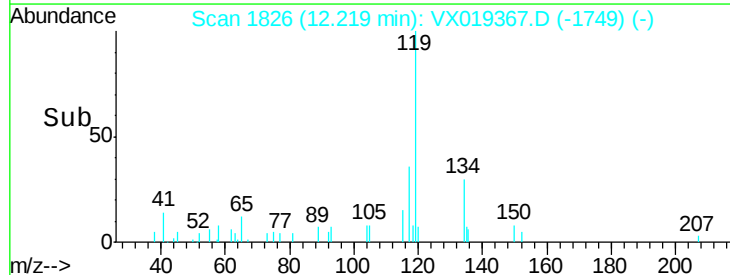
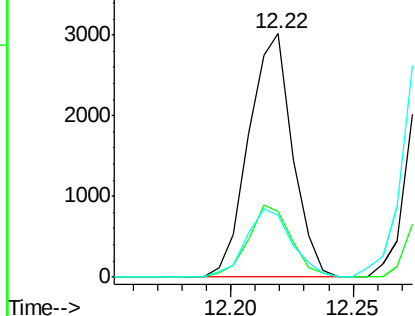


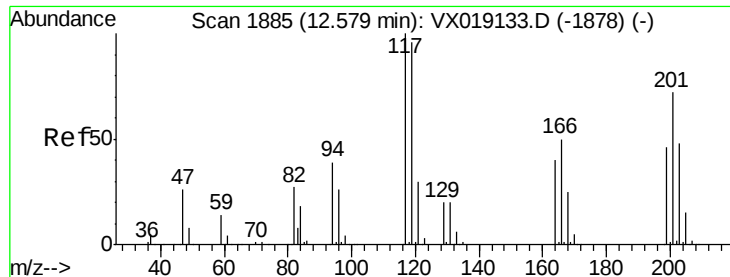
#86
p-Isopropyltoluene
Concen: 0.237 ug/l
RT: 12.22 min Scan# 1826
Delta R.T. 0.17 min
Lab File: VX019367.D
Acq: 09 Nov 2020 14:59

Tgt Ion: 119 Resp: 3743
Ion Ratio Lower Upper
119 100
134 29.0 12.9 38.7
91 29.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): VX0





#90

Hexachloroethane

Concen: 0.217 ug/l

RT: 12.65 min Scan# 1897

Delta R.T. 0.07 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

Instrument :

MSVOA_X

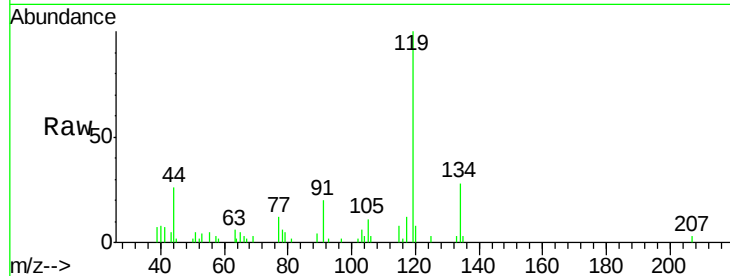
ClientSampleId :

Tot Ion:117 Resp: 582

Ion Ratio Lower Upper

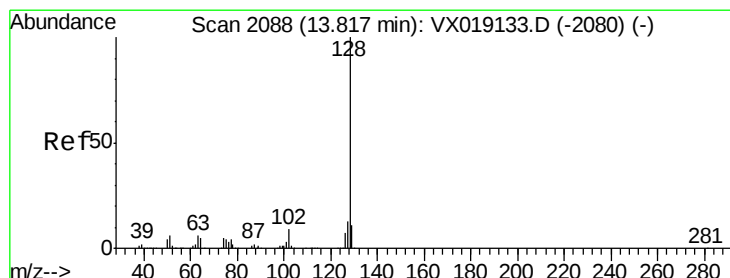
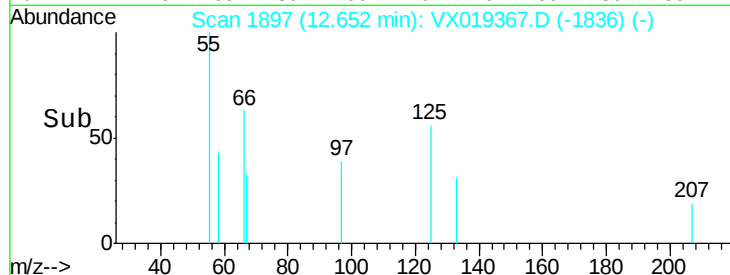
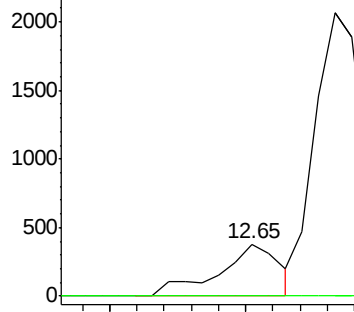
117 100

201 0.0 38.5 115.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 0.214 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019367.D

Acq: 09 Nov 2020 14:59

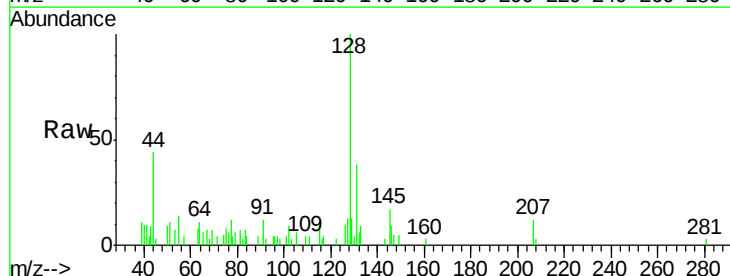
Tgt Ion:128 Resp: 3954

Ion Ratio Lower Upper

128 100

127 15.7 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

