

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019281.D
 Acq On : 04 Nov 2020 20:04
 Operator : JC/MD
 Sample : L4616-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

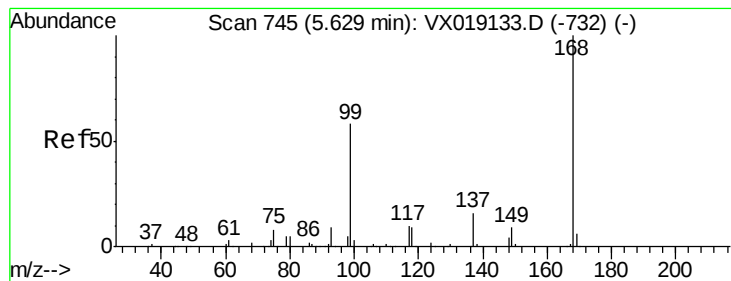
Quant Time: Nov 05 02:25:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	271969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	483914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	454465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	224536	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	191010	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
35) Dibromofluoromethane	5.46	113	150593	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.70	98	601355	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.12	95	224574	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1564	0.617	ug/l #	88
10) Methyl Iodide	2.50	142	254	6.452	ug/l #	54
11) Tert butyl alcohol	3.00	59	597	0.862	ug/l #	72
13) Acrolein	2.27	56	62	5.844	ug/l #	79
14) Allyl chloride	2.71	41	860	0.215	ug/l #	23
16) Acetone	2.43	43	8842	7.308	ug/l	98
17) Carbon Disulfide	2.55	76	871	0.874	ug/l #	75
18) Methyl Acetate	2.74	43	646	0.220	ug/l #	64
20) Methylene Chloride	2.83	84	1287	0.424	ug/l #	88
25) 2-Butanone	4.65	43	2050	1.075	ug/l	93
31) Cyclohexane	5.63	56	6412	1.446	ug/l #	15
36) 1,1-Dichloropropene	5.63	75	22115	4.949	ug/l #	50
37) Ethyl Acetate	4.80	43	7096	1.710	ug/l	98
38) Carbon Tetrachloride	5.63	117	28570	6.272	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	115491	24.911	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	115491	65.590	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019281.D

Acq: 04 Nov 2020 20:04

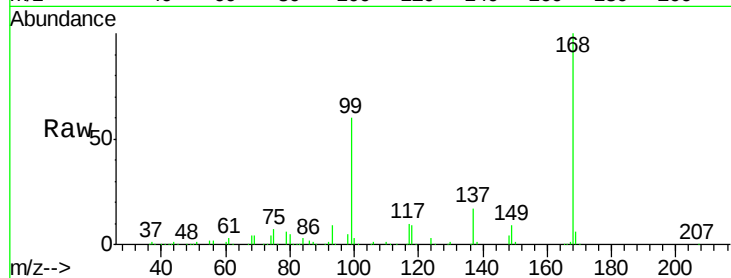
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 271969

Ion Ratio Lower Upper

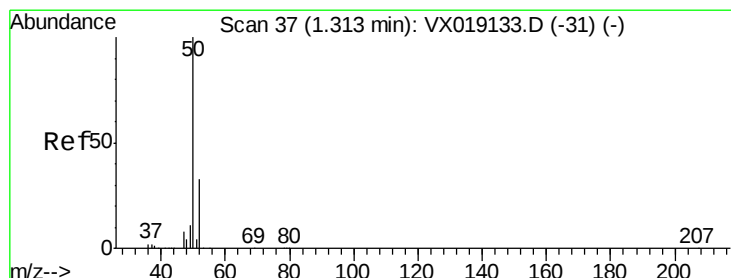
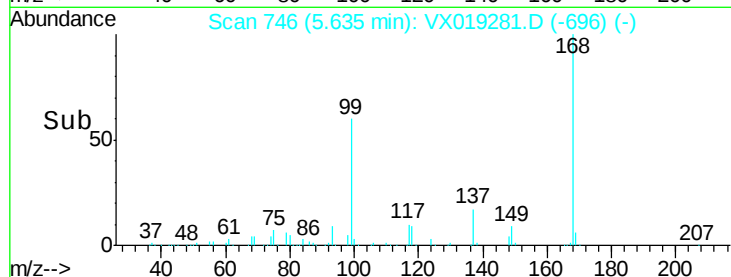
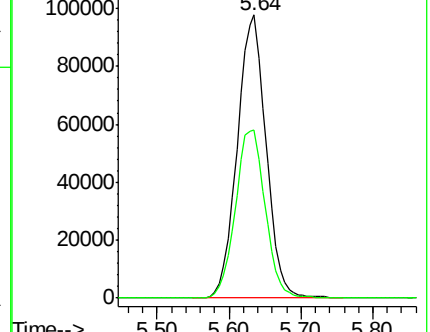
168 100

99 59.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.617 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019281.D

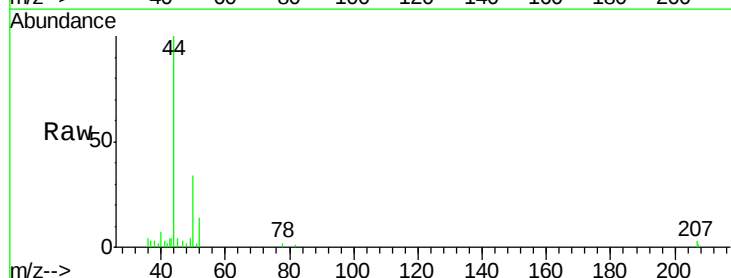
Acq: 04 Nov 2020 20:04

Tgt Ion: 50 Resp: 1564

Ion Ratio Lower Upper

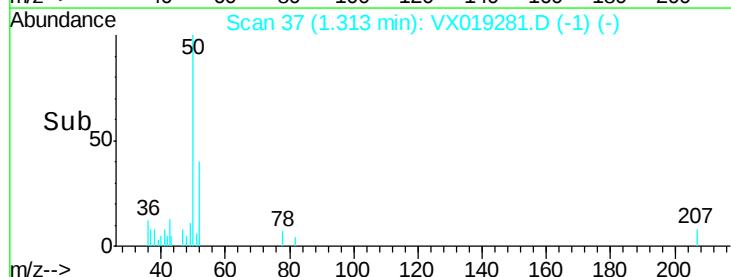
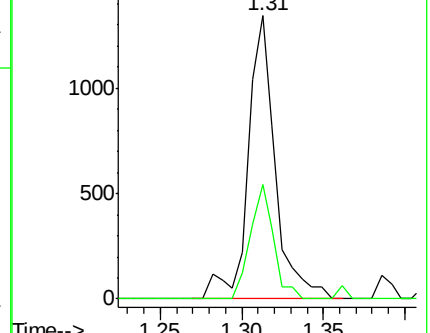
50 100

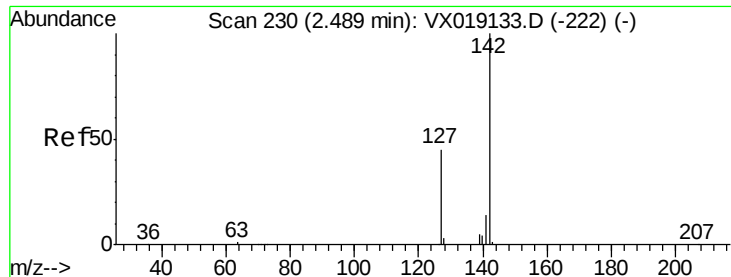
52 40.4 26.8 40.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

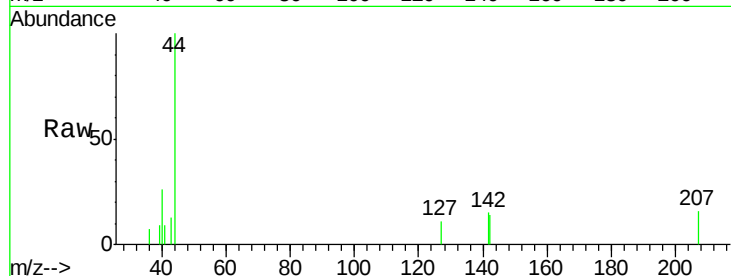




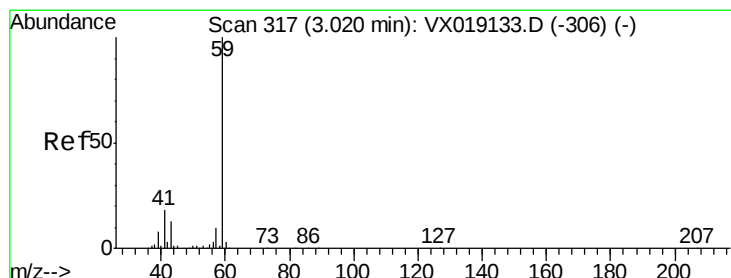
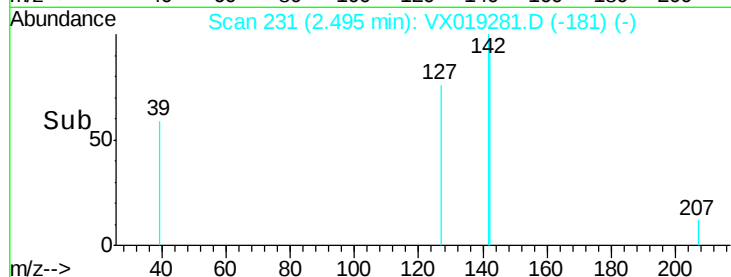
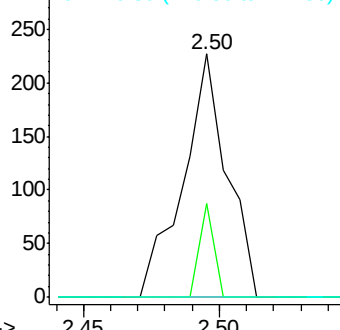
#10
Methvl Iodide
Concen: 6.452 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 254
Ion Ratio Lower Upper
142 100
127 12.6 36.1 54.1#
141 0.0 11.3 16.9#

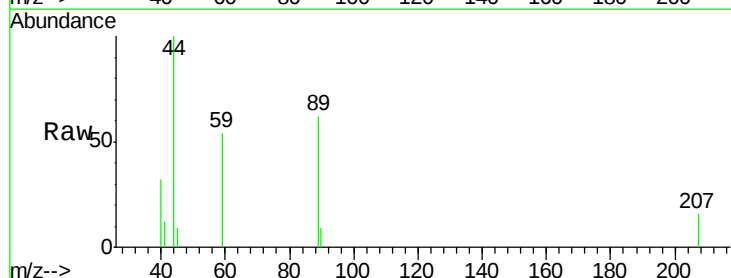


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

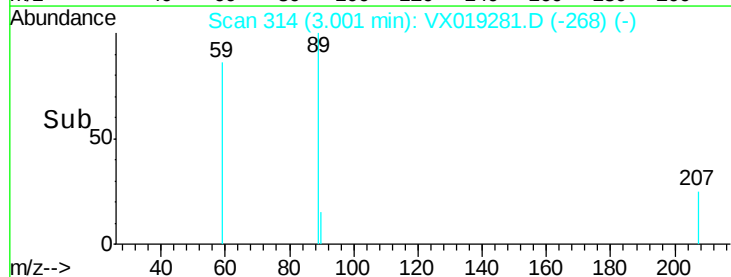
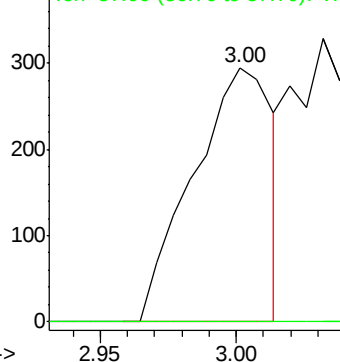


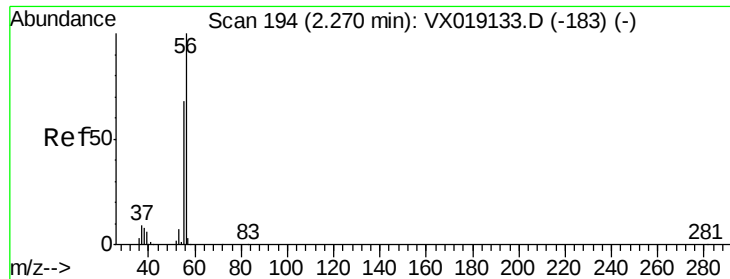
#11
Tert butyl alcohol
Concen: 0.862 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

Tgt Ion: 59 Resp: 597
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

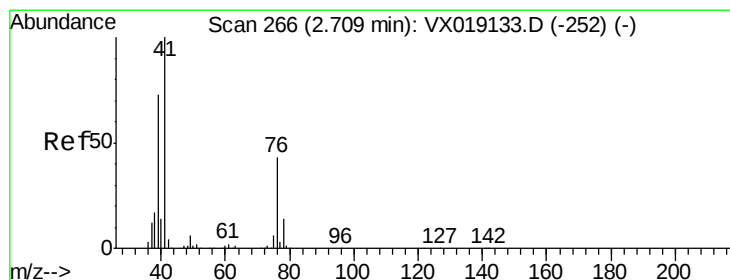
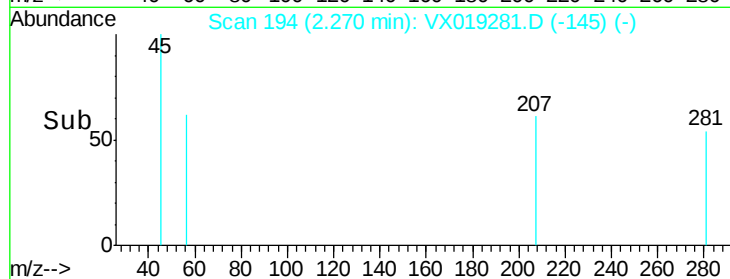
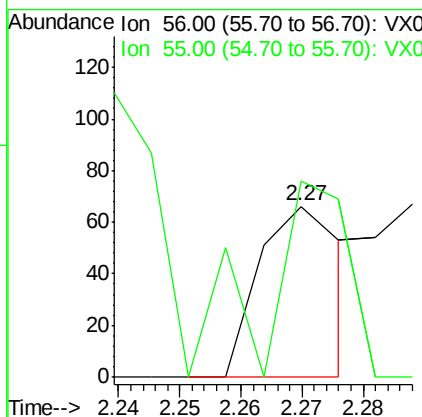
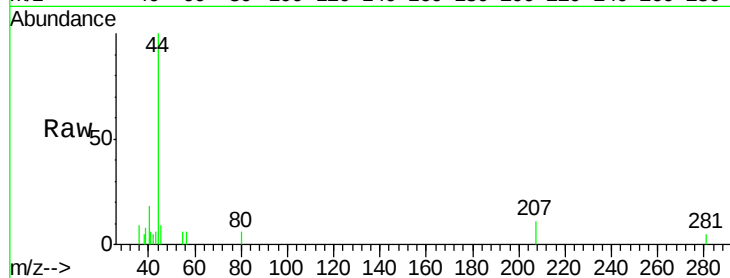




#13
Acrolein
Concen: 5.844 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

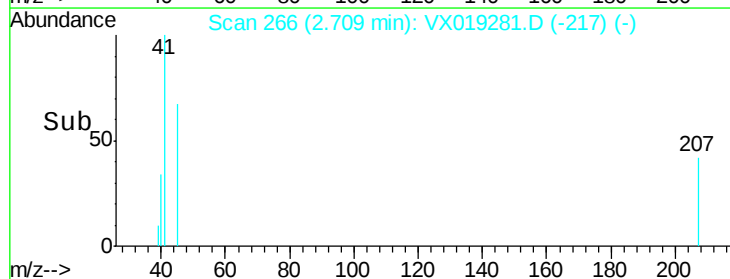
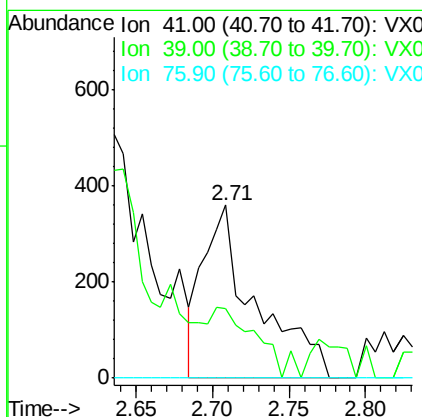
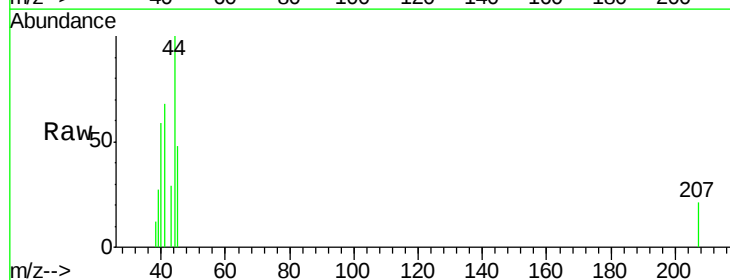
Instrument :
MSVOA_X
ClientSampleId :

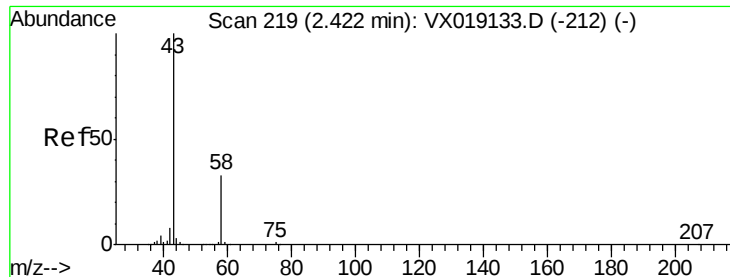
Tot Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 85.5 54.7 82.1#



#14
Allyl chloride
Concen: 0.215 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

Tgt Ion: 41 Resp: 860
Ion Ratio Lower Upper
41 100
39 0.0 55.2 82.8#
76 0.0 31.5 47.3#





#16

Acetone

Concen: 7.308 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019281.D

Acq: 04 Nov 2020 20:04

Instrument :

MSVOA_X

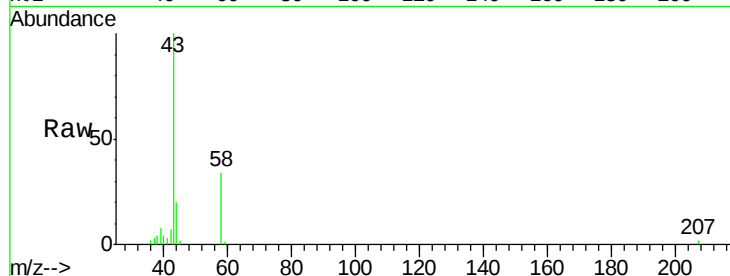
ClientSampled :

Tot Ion: 43 Resp: 8842

Ion Ratio Lower Upper

43 100

58 34.0 26.3 39.5

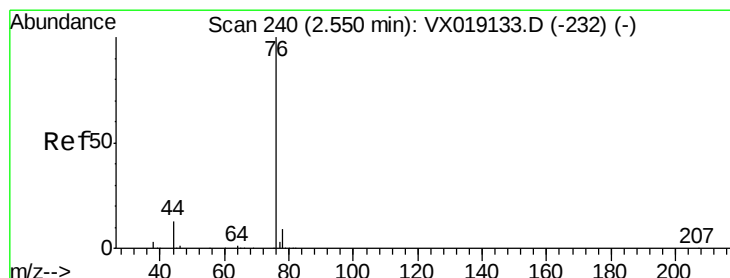
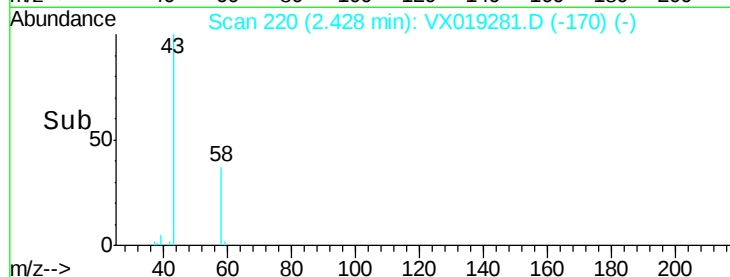


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

Time--> 2.30 2.40 2.50



#17

Carbon Disulfide

Concen: 0.874 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019281.D

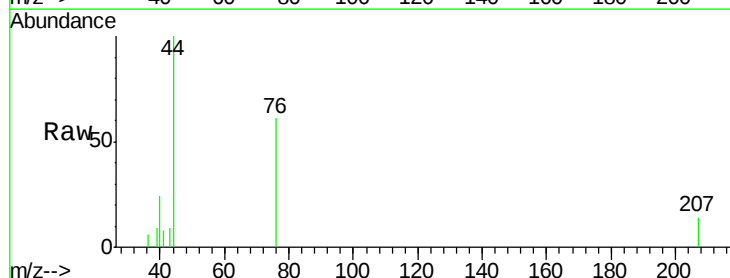
Acq: 04 Nov 2020 20:04

Tgt Ion: 76 Resp: 871

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

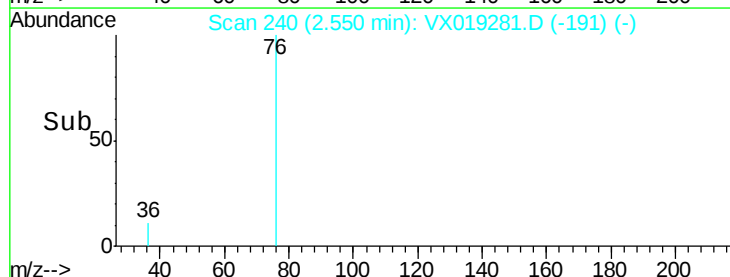


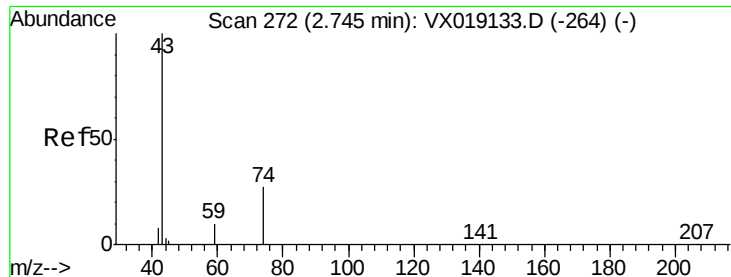
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

Time--> 2.50 2.55 2.60

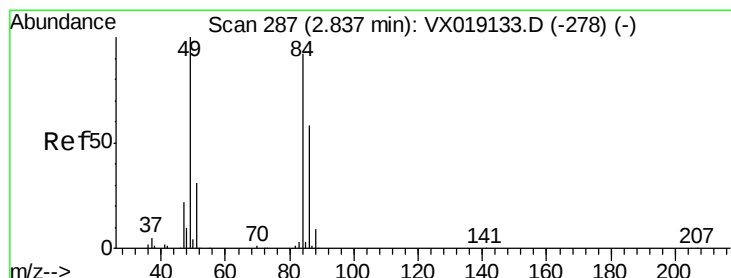
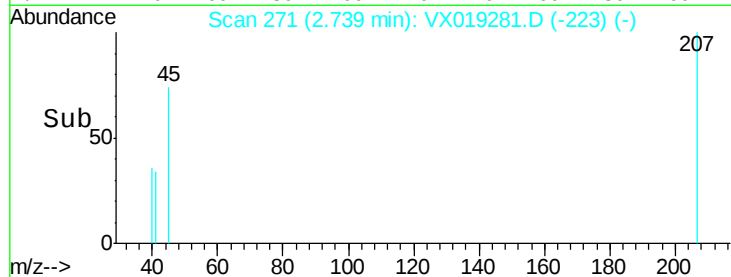
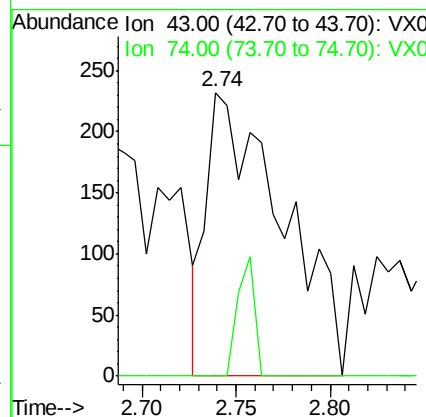
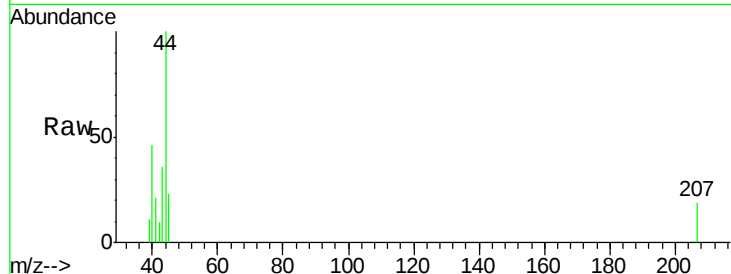




#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 2.74 min Scan# 271
Delta R.T. -0.01 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

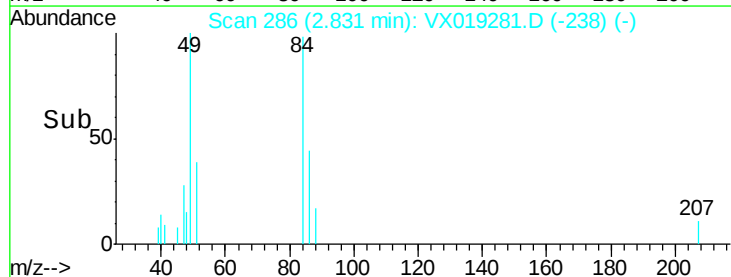
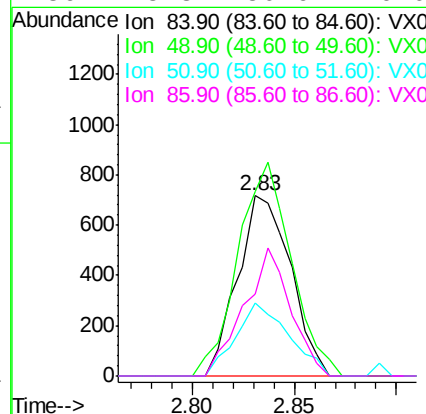
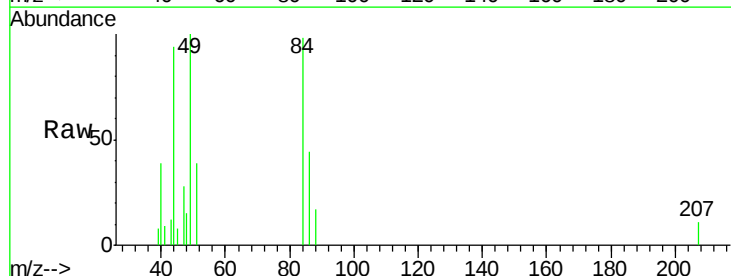
Instrument :
MSVOA_X
ClientSampled :

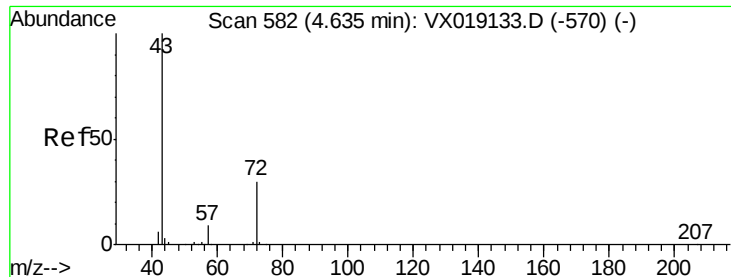
Tot Ion: 43 Resp: 646
Ion Ratio Lower Upper
43 100
74 9.4 22.6 33.8#



#20
Methylene Chloride
Concen: 0.424 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

Tgt Ion: 84 Resp: 1287
Ion Ratio Lower Upper
84 100
49 102.2 86.8 130.2
51 40.4 27.3 40.9
86 45.3 50.6 76.0#

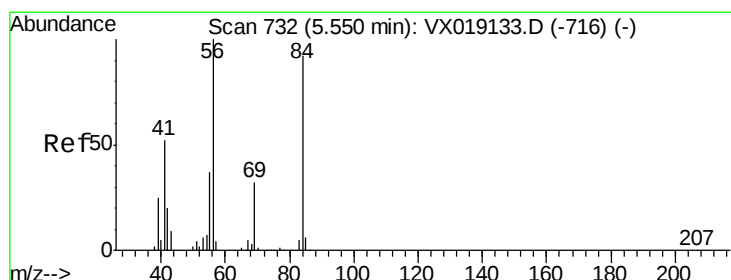
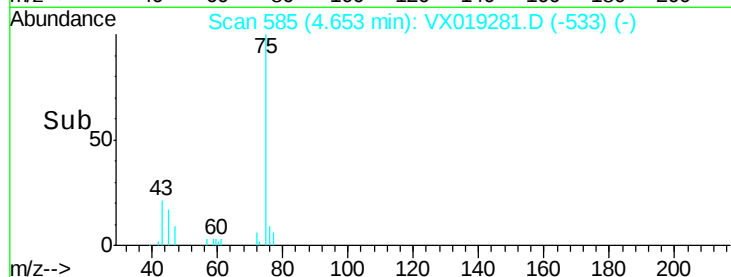
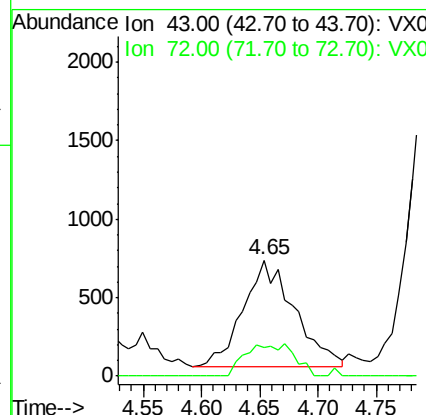
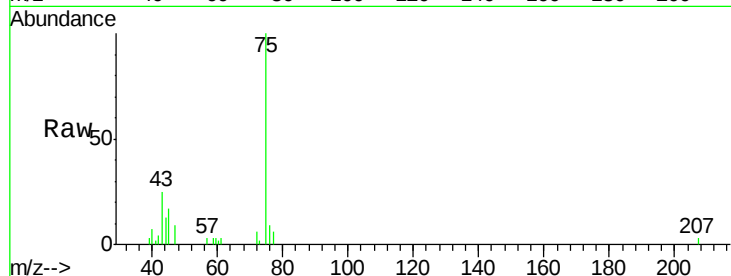




#25
2-Butanone
Concen: 1.075 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

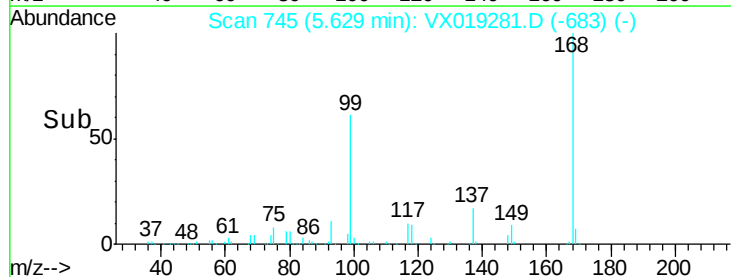
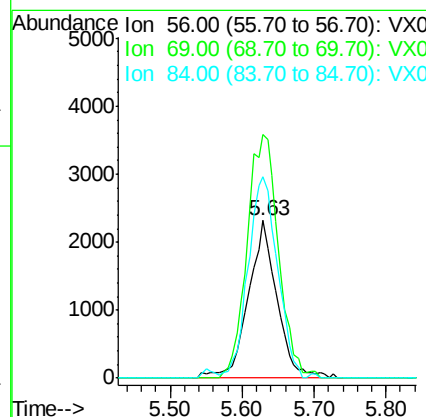
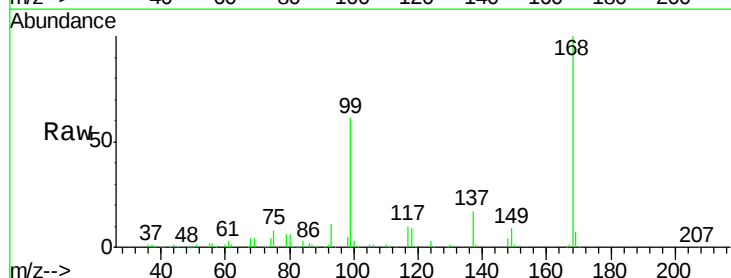
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MSVOA_X
ClientSampleId :

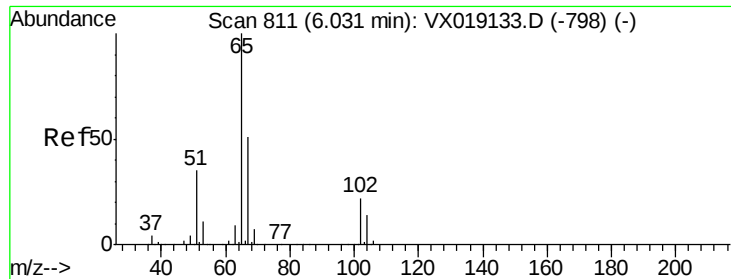
Tot Ion: 43 Resp: 2050
Ion Ratio Lower Upper
43 100
72 26.7 24.6 36.8



#31
Cyclohexane
Concen: 1.446 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

Tgt Ion: 56 Resp: 6412
Ion Ratio Lower Upper
56 100
69 154.5 25.9 38.9#
84 127.9 73.4 110.2#





#33

1,2-Dichloroethane-d4

Concen: 54.460 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019281.D

Acq: 04 Nov 2020 20:04

Instrument :

MSVOA_X

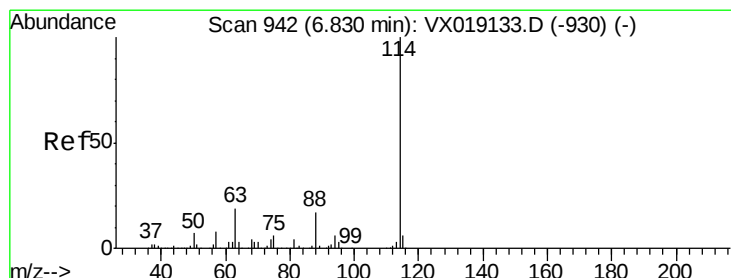
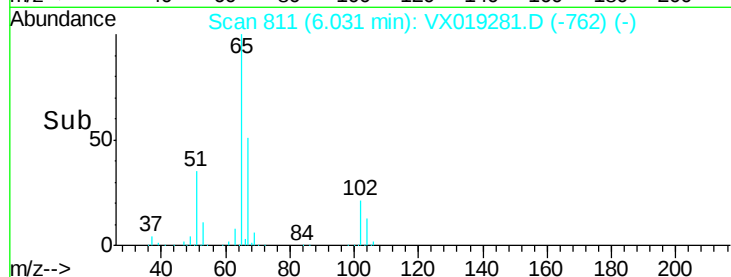
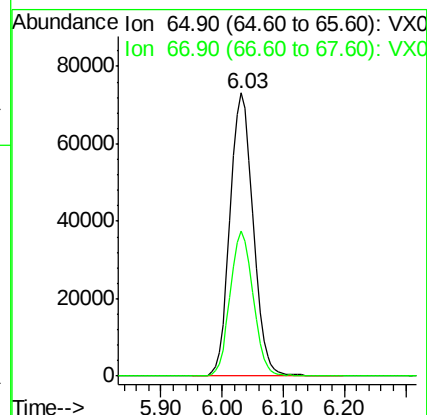
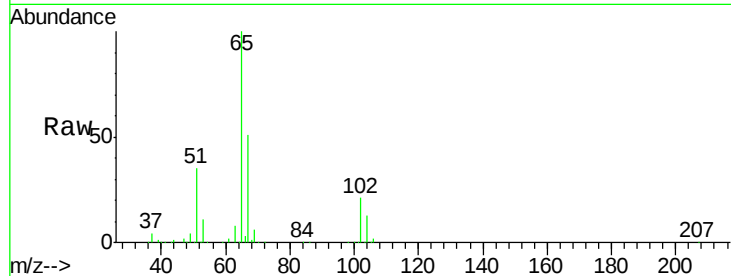
ClientSampleId :

Tot Ion: 65 Resp: 191010

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019281.D

Acq: 04 Nov 2020 20:04

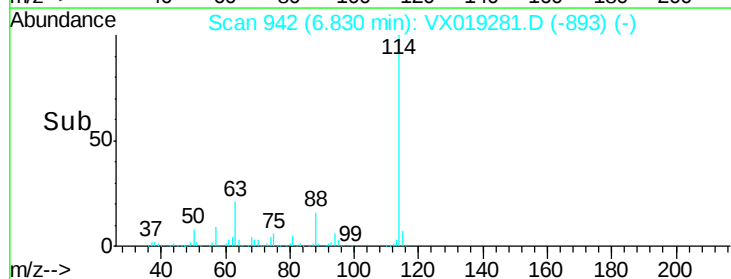
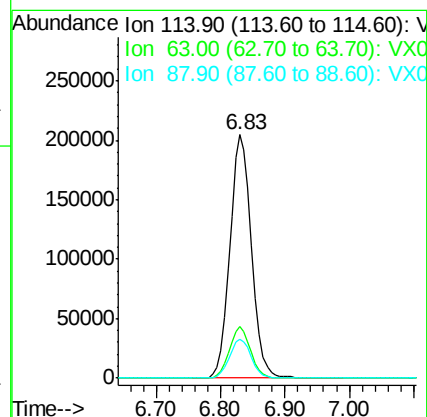
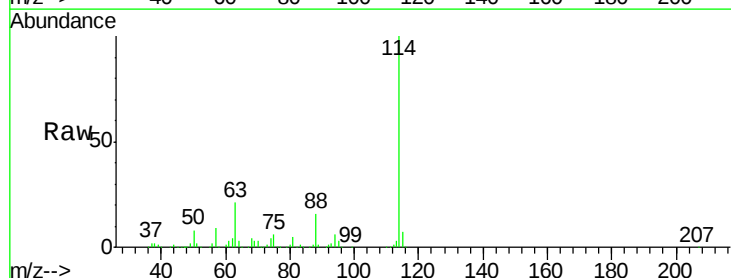
Tgt Ion: 114 Resp: 483914

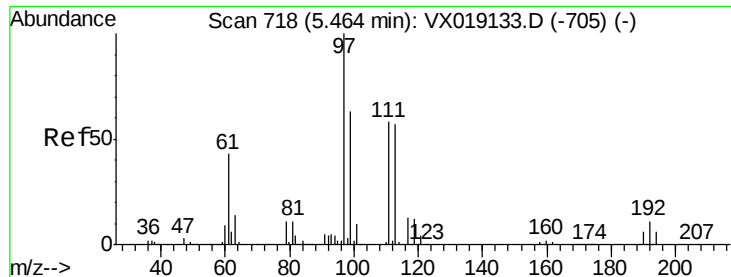
Ion Ratio Lower Upper

114 100

63 21.2 0.0 38.8

88 16.2 0.0 34.2

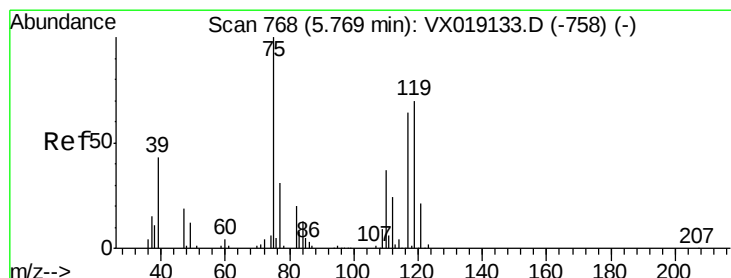
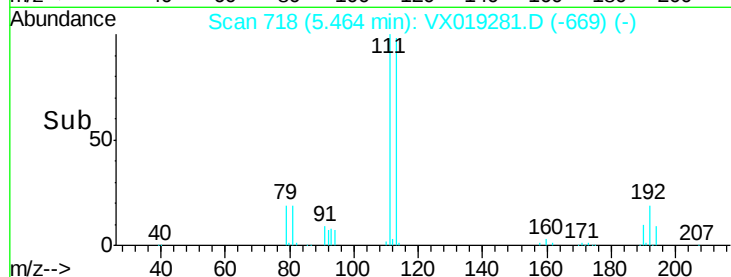
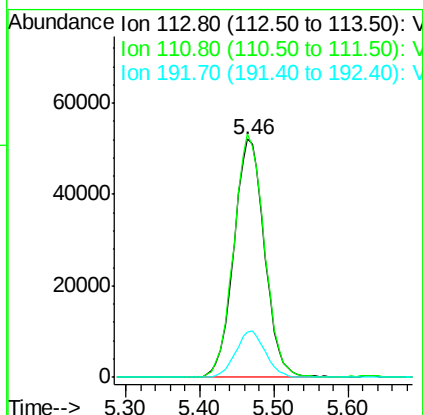
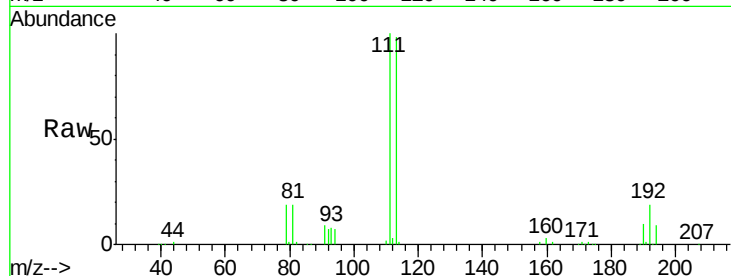




#35
 Dibromofluoromethane
 Concen: 49.543 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019281.D
 Acq: 04 Nov 2020 20:04

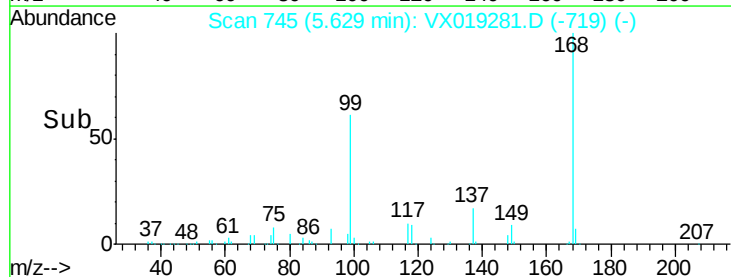
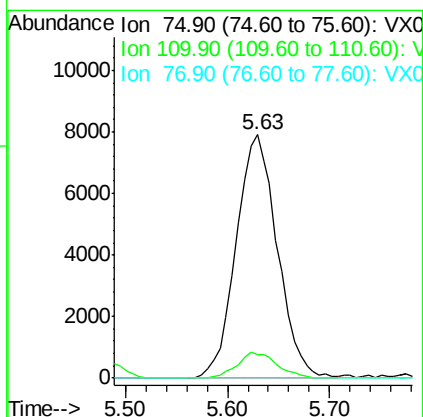
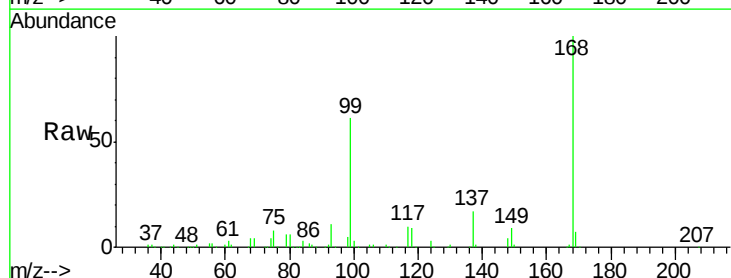
Instrument :
 MSVOA_X
 ClientSampleId :

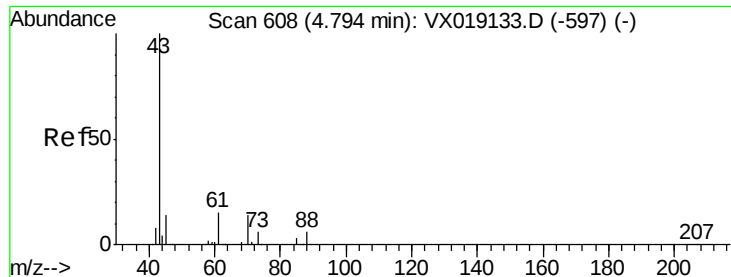
Tot Ion:113 Resp: 150593
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.3 123.5
 192 19.1 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.949 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019281.D
 Acq: 04 Nov 2020 20:04

Tgt Ion: 75 Resp: 22115
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.3 54.9#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.710 ug/l

RT: 4.80 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX019281.D

Acq: 04 Nov 2020 20:04

Instrument :

MSVOA_X

ClientSampleId :

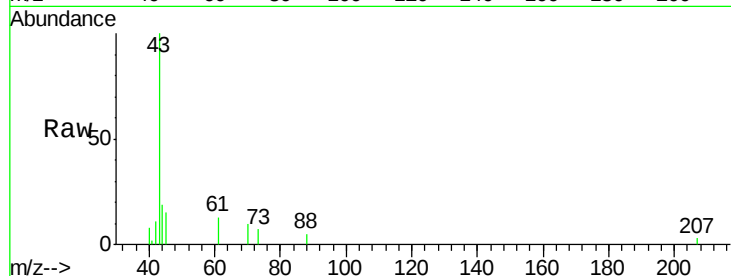
Tot Ion: 43 Resp: 7096

Ion Ratio Lower Upper

43 100

61 15.2 12.5 18.7

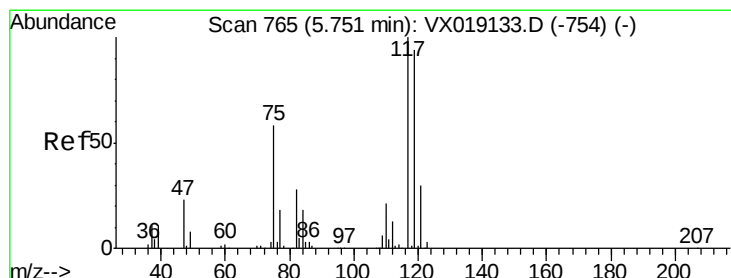
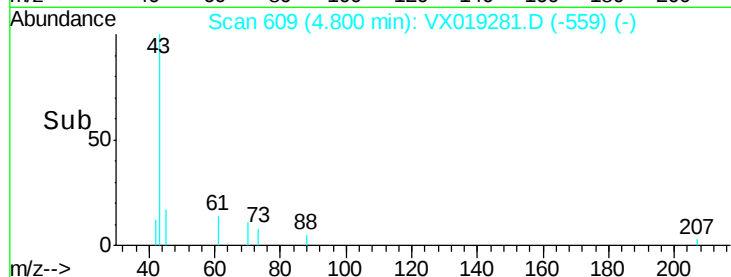
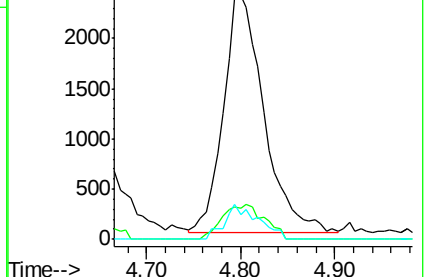
70 12.1 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VX019133.D (-597) (-)

Ion 60.90 (60.60 to 61.60): VX019133.D (-597) (-)

Ion 70.00 (69.70 to 70.70): VX019133.D (-597) (-)



#38

Carbon Tetrachloride

Concen: 6.272 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019281.D

Acq: 04 Nov 2020 20:04

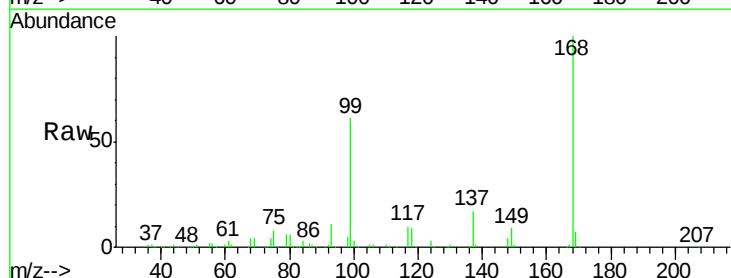
Tgt Ion: 117 Resp: 28570

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

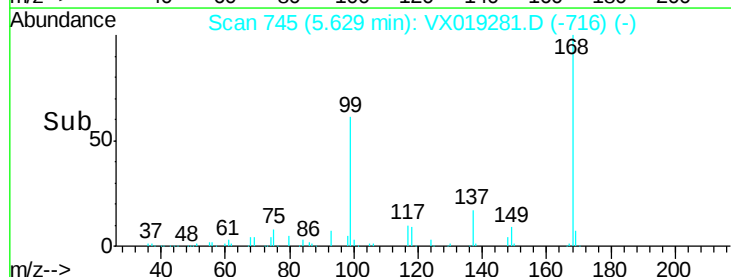
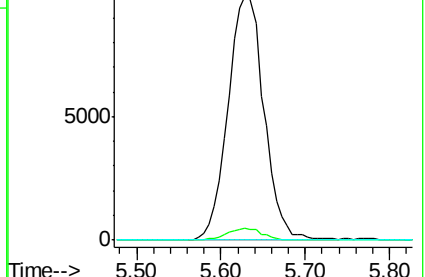
121 0.0 23.9 35.9#

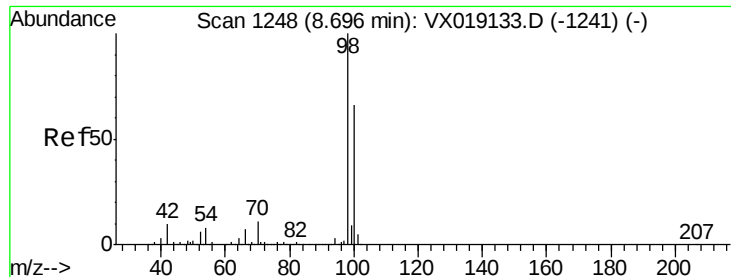


Abundance Ion 116.80 (116.50 to 117.50): VX019133.D (-754) (-)

Ion 118.80 (118.50 to 119.50): VX019133.D (-754) (-)

Ion 120.80 (120.50 to 121.50): VX019133.D (-754) (-)

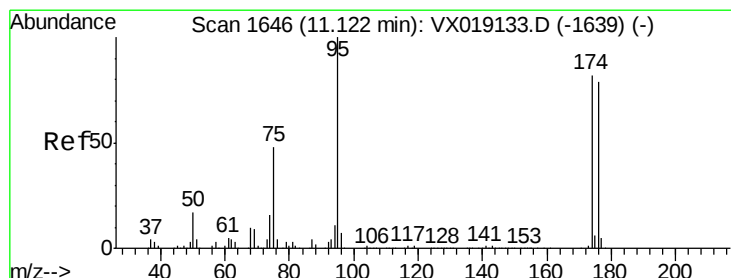
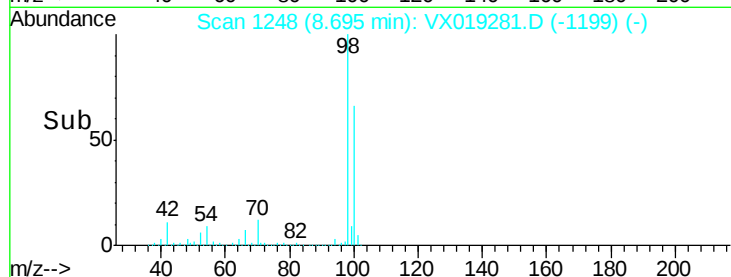
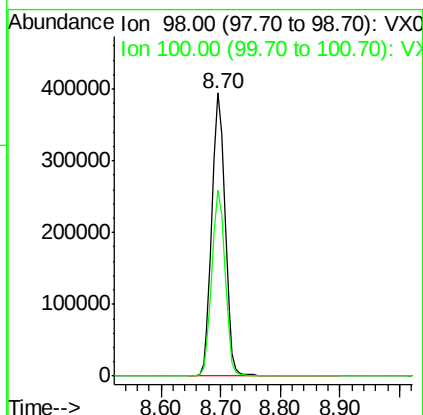
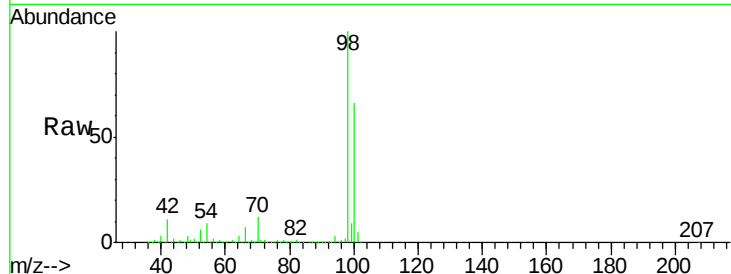




#50
Toluene-d8
Concen: 52.482 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

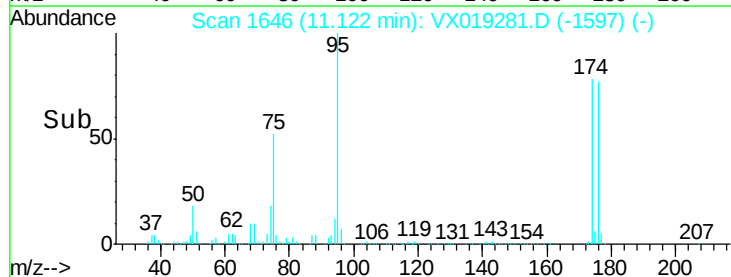
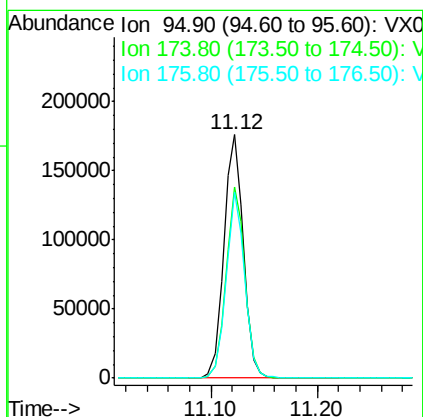
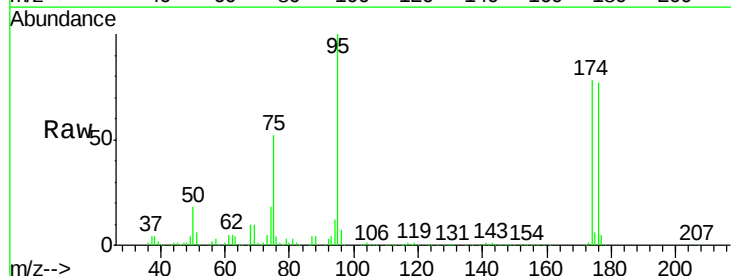
Instrument :
MSVOA_X
ClientSampleId :

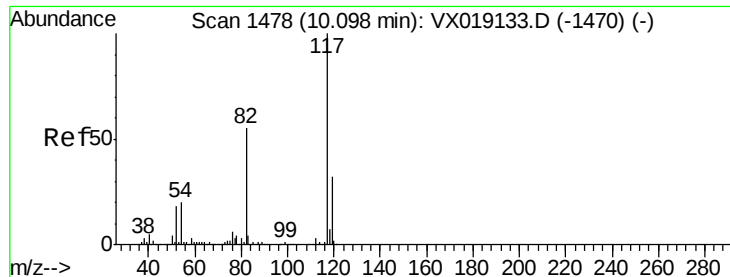
Tot Ion: 98 Resp: 601355
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 51.753 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

Tgt Ion: 95 Resp: 224574
Ion Ratio Lower Upper
95 100
174 76.0 0.0 156.0
176 72.8 0.0 149.8

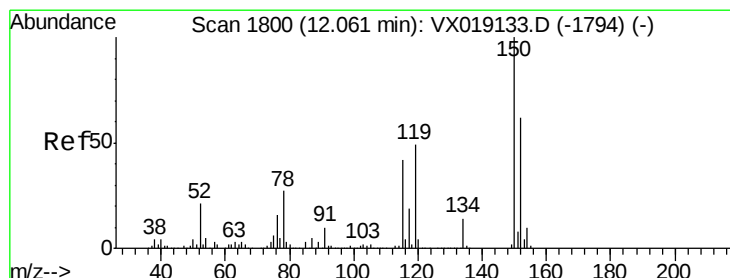
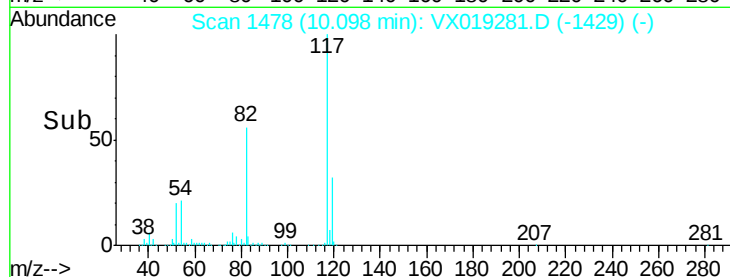
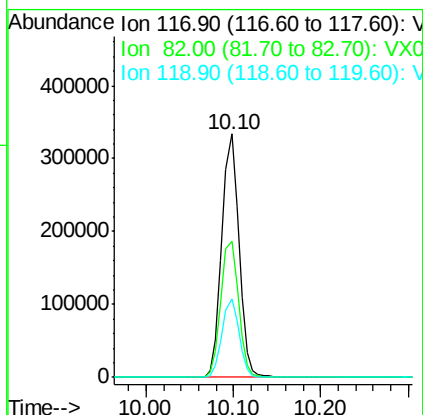
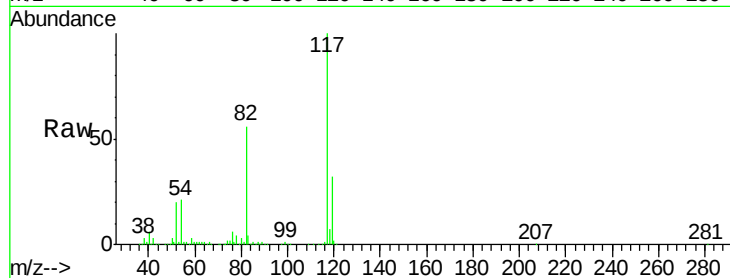




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

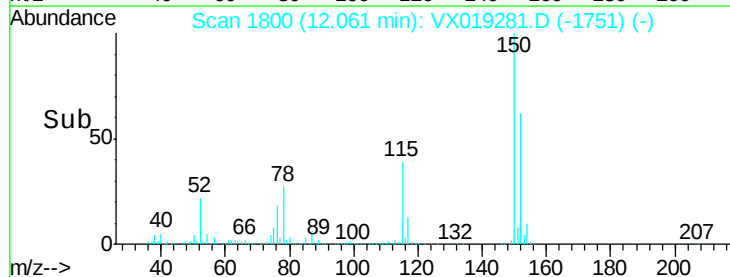
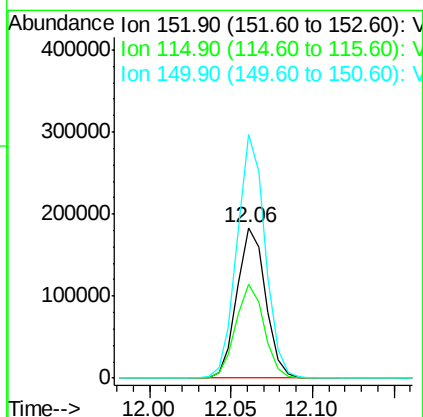
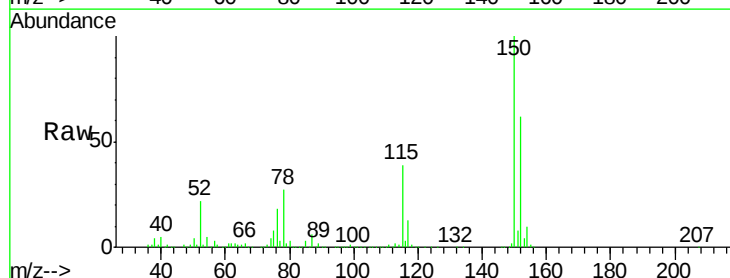
Instrument :
MSVOA_X
ClientSampleId :

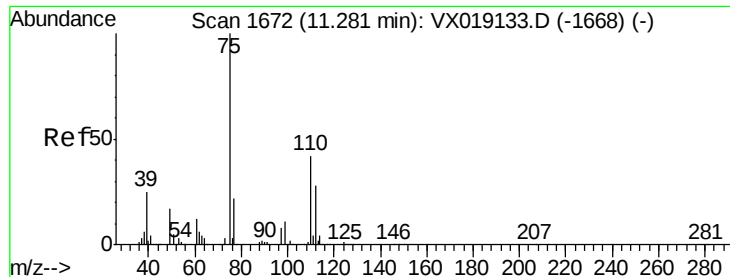
Tot Ion:117 Resp: 454465
Ion Ratio Lower Upper
117 100
82 55.7 43.6 65.4
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019281.D
Acq: 04 Nov 2020 20:04

Tgt Ion:152 Resp: 224536
Ion Ratio Lower Upper
152 100
115 61.6 41.9 125.7
150 158.4 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 24.911 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019281.D

Acq: 04 Nov 2020 20:04

Instrument :

MSVOA_X

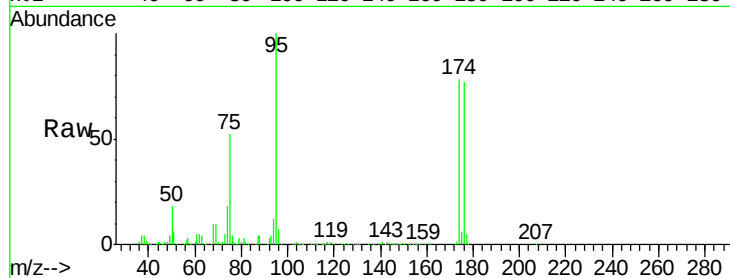
ClientSampled :

Tot Ion: 75 Resp: 115491

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

11.12

100000

80000

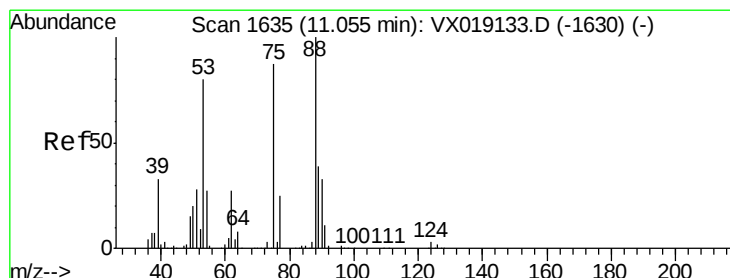
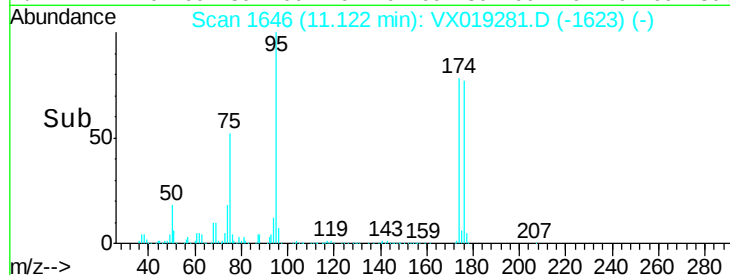
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 65.590 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019281.D

Acq: 04 Nov 2020 20:04

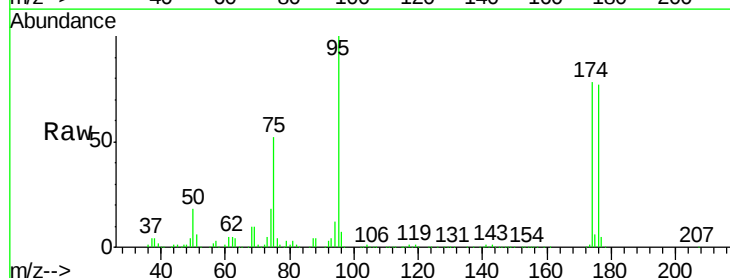
Tgt Ion: 75 Resp: 115491

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

11.12

120000

100000

80000

60000

40000

20000

0

Time-->

