

Data File : VX019601.D
Acq On : 24 Nov 2020 13:35
Operator : JC/MD
Sample : L4841-03 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
16881

Quant Time: Nov 25 04:01:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	292542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	485696	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	445319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	191872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	184194	48.56	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.12%		
35) Dibromofluoromethane	5.46	113	145025	47.57	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.14%		
50) Toluene-d8	8.70	98	580729	49.02	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.04%		
62) 4-Bromofluorobenzene	11.12	95	202592	47.53	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.06%		

Target Compounds

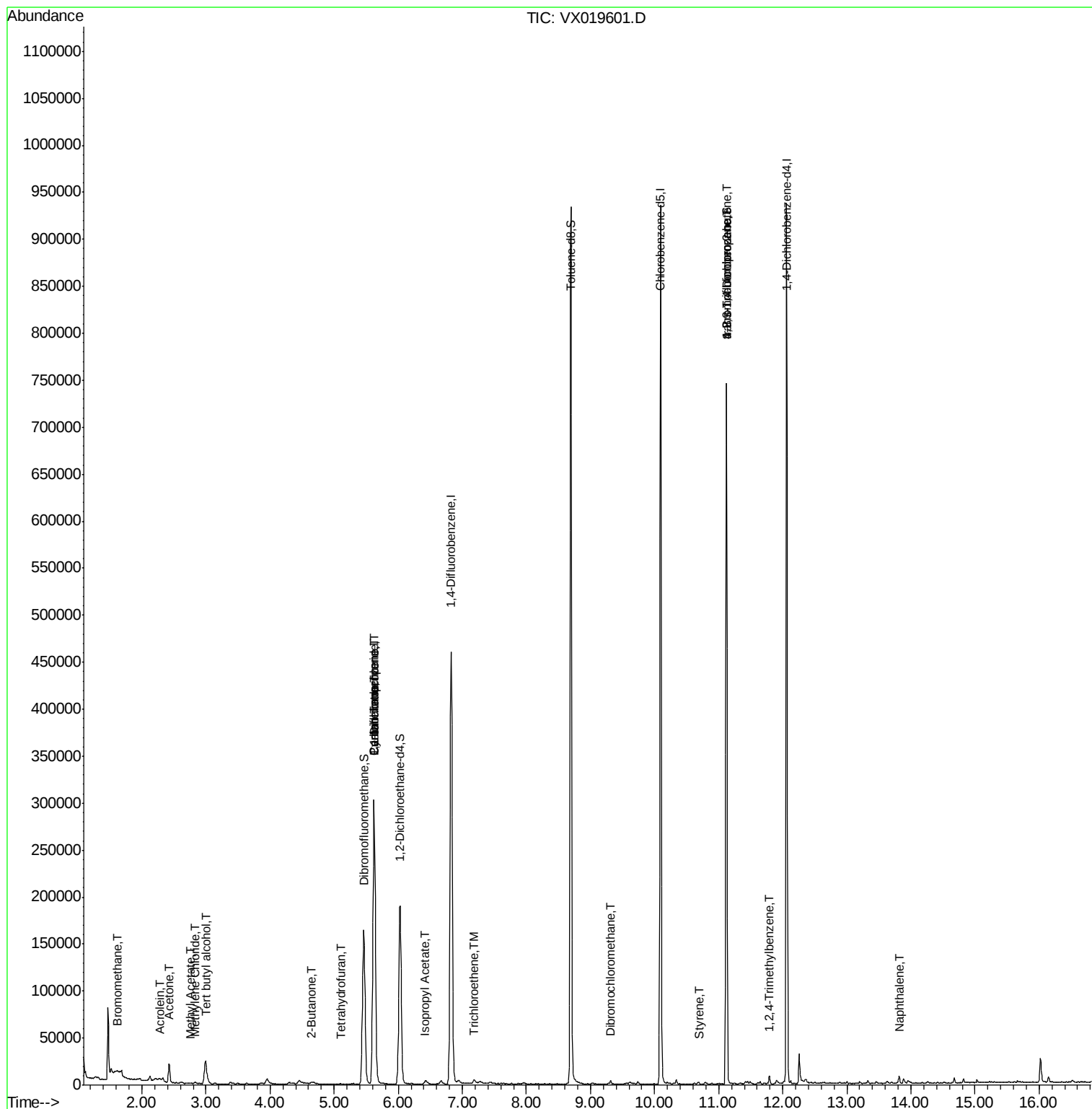
					Qvalue	
5) Bromomethane	1.62	94	455	0.342	ug/l	85
6) Chloroethane	1.70	64	161	Below Cal		99
11) Tert butyl alcohol	3.00	59	17728	24.696	ug/l #	76
13) Acrolein	2.28	56	306	0.634	ug/l #	2
16) Acetone	2.42	43	20993	14.312	ug/l	100
18) Methyl Acetate	2.75	43	468	0.763	ug/l #	69
20) Methylene Chloride	2.82	84	900	0.245	ug/l #	84
25) 2-Butanone	4.64	43	2362	1.072	ug/l	95
29) Tetrahydrofuran	5.10	42	375	0.267	ug/l #	45
31) Cyclohexane	5.62	56	5897	1.195	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22178	4.871	ug/l #	49
38) Carbon Tetrachloride	5.62	117	28672	6.505	ug/l #	17
43) Isopropyl Acetate	6.42	43	1888	0.263	ug/l #	57
44) Trichloroethene	7.19	130	930	0.254	ug/l	79
60) Dibromochloromethane	9.32	129	746	0.219	ug/l #	10
70) Styrene	10.70	104	219	1.666	ug/l #	81
76) 1,2,3-Trichloropropane	11.12	75	99625	23.792	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	99625	63.054	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	3492	0.310	ug/l	89
95) Naphthalene	13.82	128	4670	2.494	ug/l	97

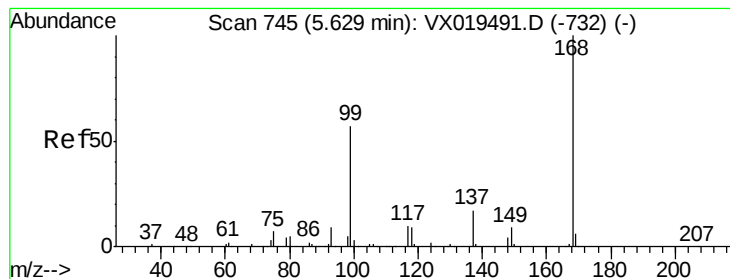
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019601.D

Acq: 24 Nov 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

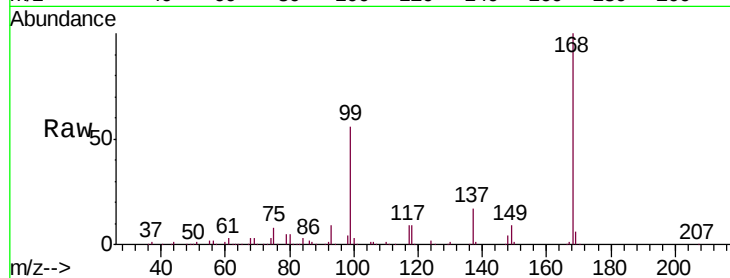
16881

Tgt Ion:168 Resp: 292542

Ion Ratio Lower Upper

168 100

99 55.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

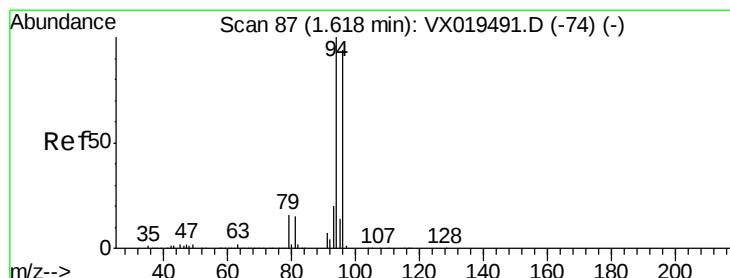
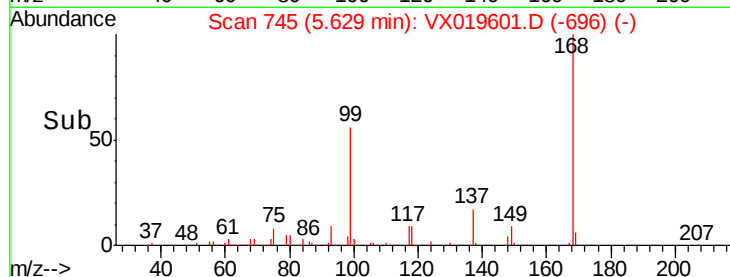
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.342 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019601.D

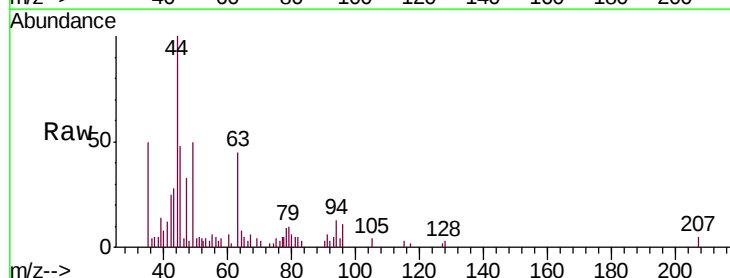
Acq: 24 Nov 2020 13:35

Tgt Ion: 94 Resp: 455

Ion Ratio Lower Upper

94 100

96 108.7 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

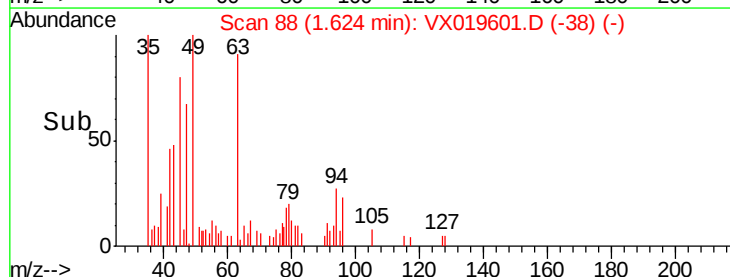
300

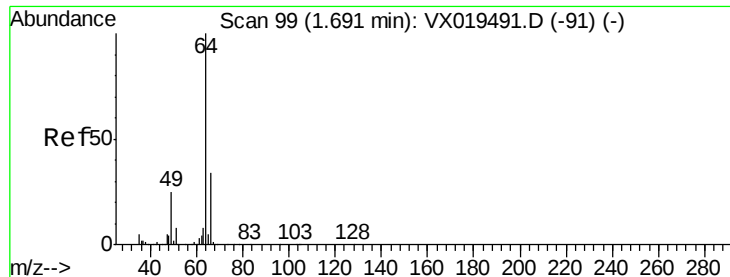
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 100

Delta R.T. 0.01 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

Instrument :

MSVOA_X

ClientSampled :

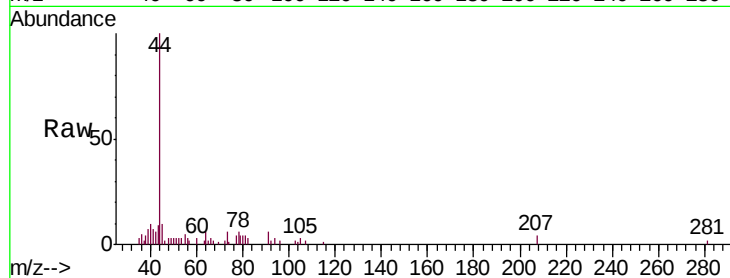
16881

Tgt Ion: 64 Resp: 161

Ion Ratio Lower Upper

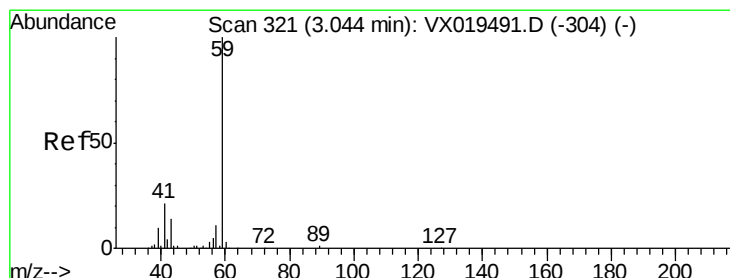
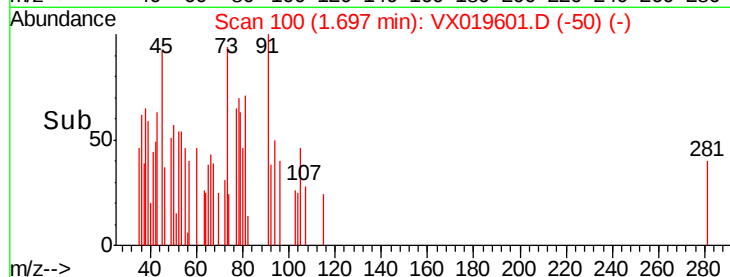
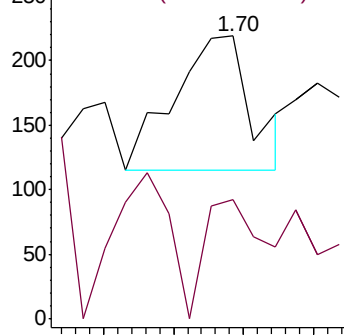
64 100

66 34.6 27.1 40.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 24.696 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019601.D

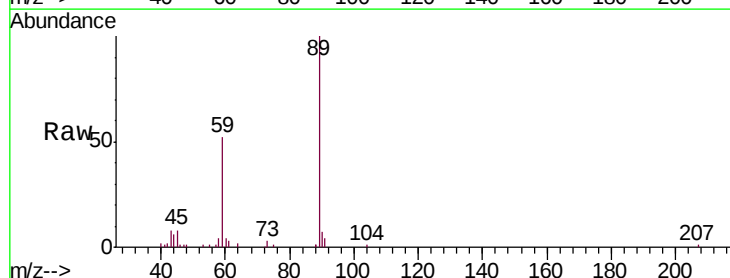
Acq: 24 Nov 2020 13:35

Tgt Ion: 59 Resp: 17728

Ion Ratio Lower Upper

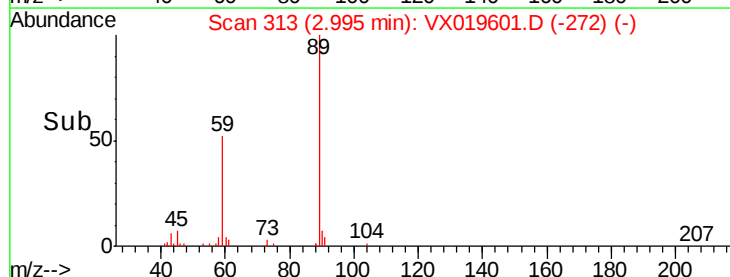
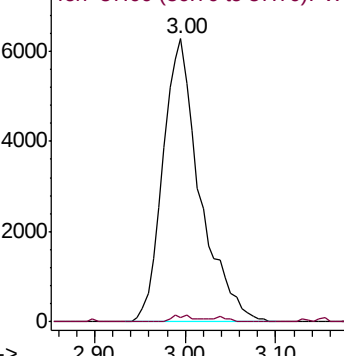
59 100

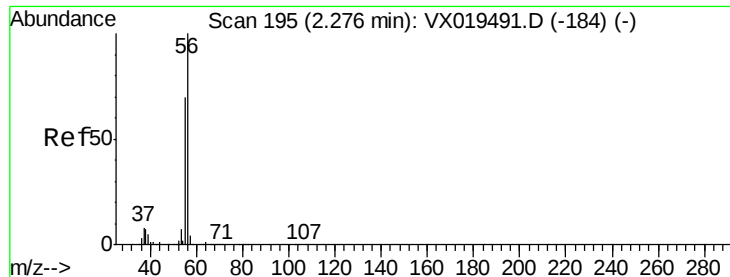
57 1.2 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.634 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

Instrument :

MSVOA_X

ClientSampled :

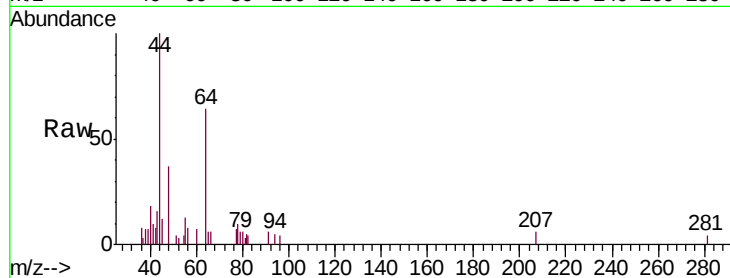
16881

Tgt Ion: 56 Resp: 306

Ion Ratio Lower Upper

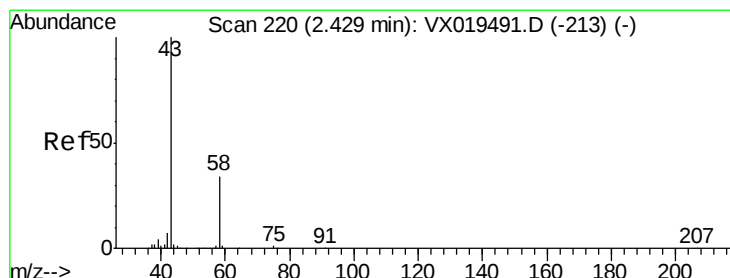
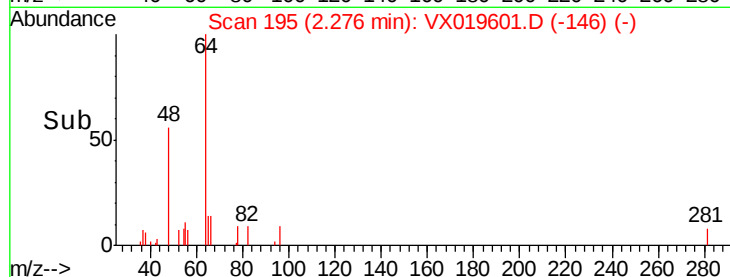
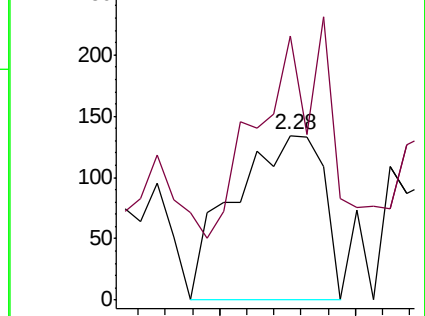
56 100

55 149.3 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 14.312 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019601.D

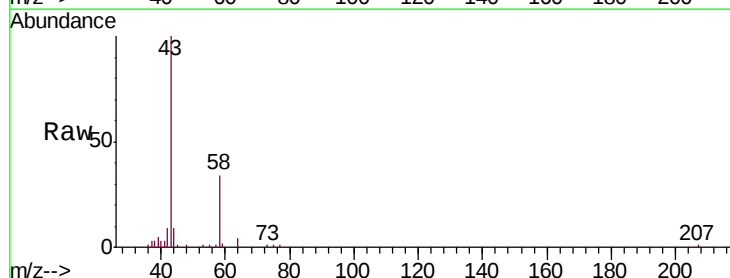
Acq: 24 Nov 2020 13:35

Tgt Ion: 43 Resp: 20993

Ion Ratio Lower Upper

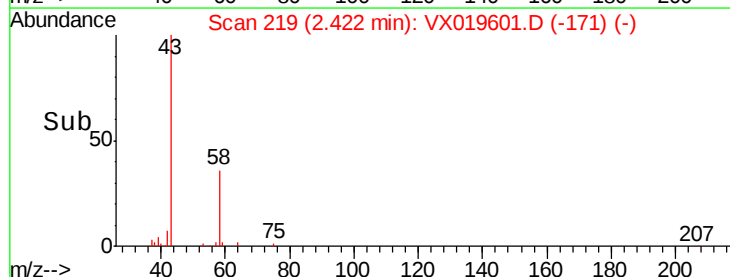
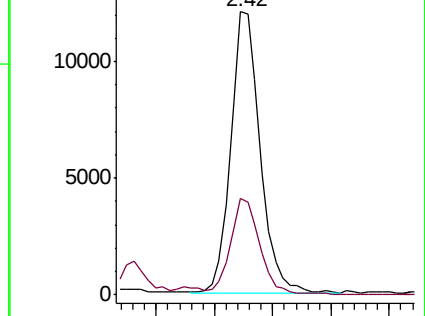
43 100

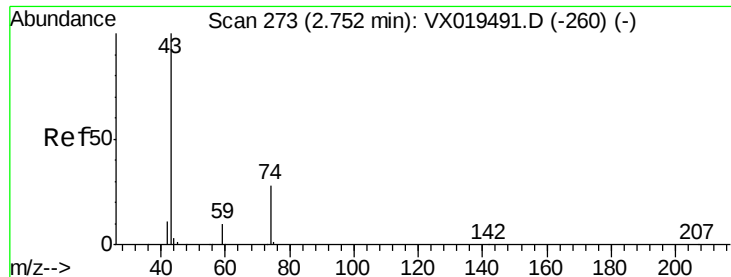
58 34.2 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

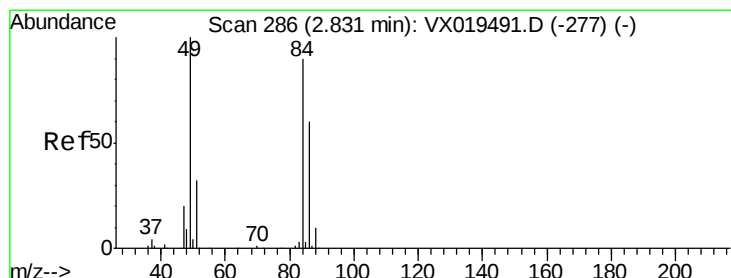
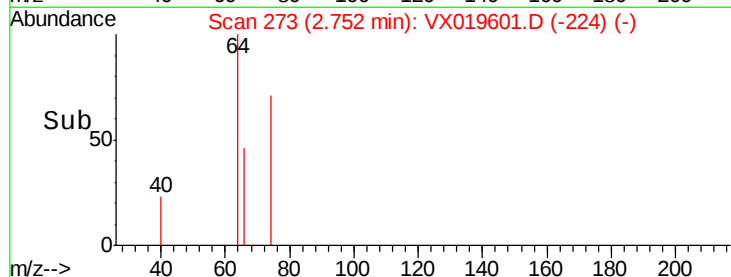
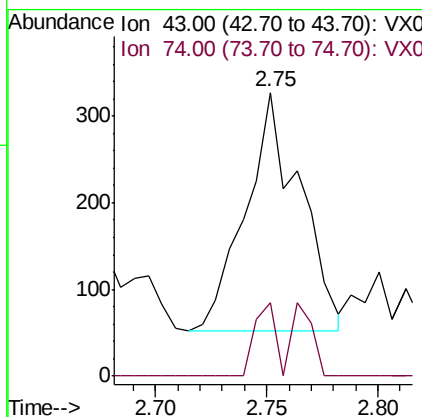
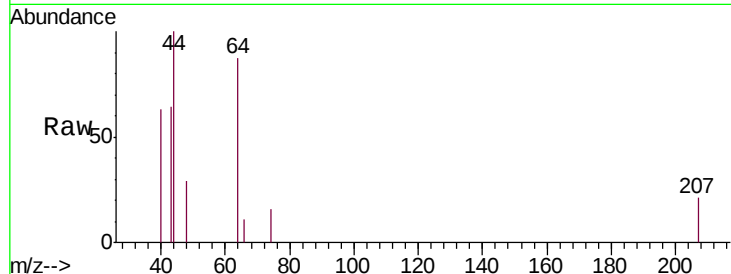




#18
Methyl Acetate
Concen: 0.763 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019601.D
Acq: 24 Nov 2020 13:35

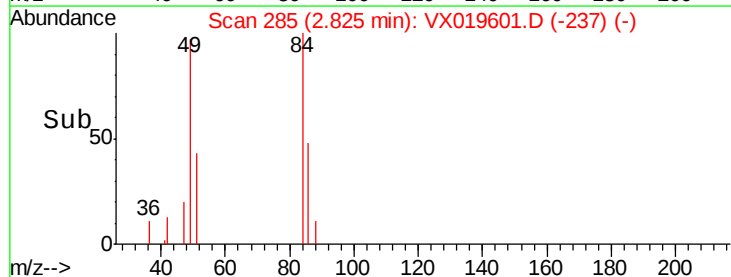
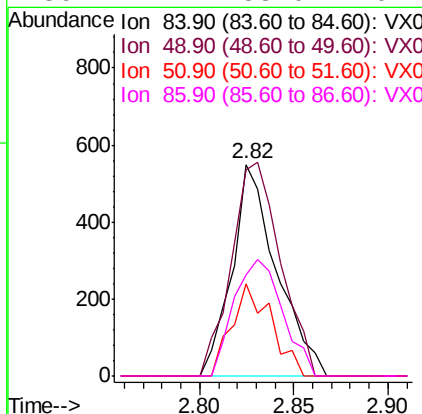
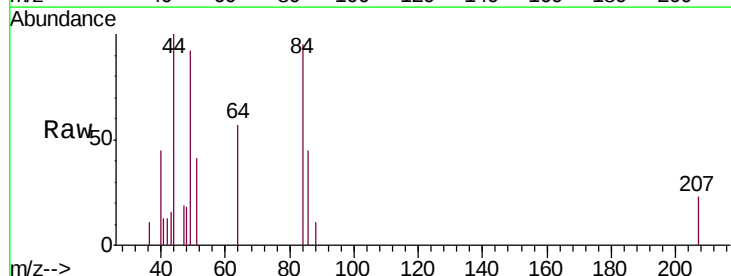
Instrument :
MSVOA_X
ClientSampleId :
16881

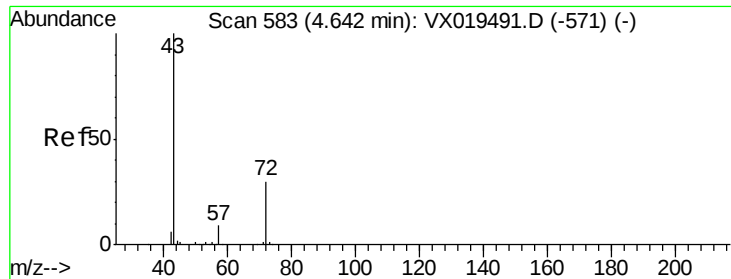
Tgt Ion: 43 Resp: 468
Ion Ratio Lower Upper
43 100
74 11.5 22.2 33.4#



#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX019601.D
Acq: 24 Nov 2020 13:35

Tgt Ion: 84 Resp: 900
Ion Ratio Lower Upper
84 100
49 97.3 88.5 132.7
51 43.4 28.0 42.0#
86 47.7 53.0 79.4#





#25

2-Butanone

Concen: 1.072 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

Instrument :

MSVOA_X

ClientSampled :

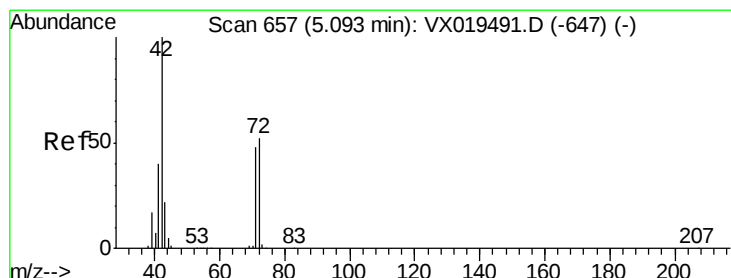
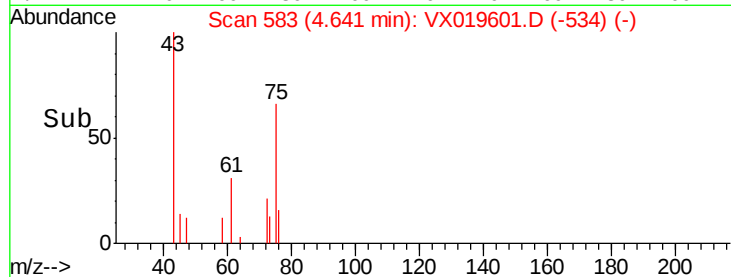
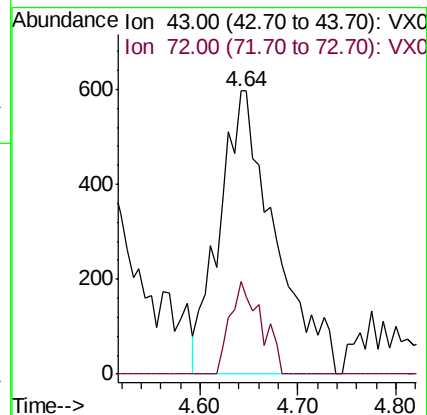
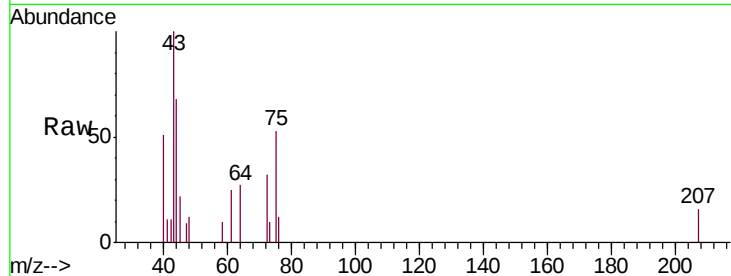
16881

Tgt Ion: 43 Resp: 2362

Ion Ratio Lower Upper

43 100

72 32.5 24.0 36.0



#29

Tetrahydrofuran

Concen: 0.267 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

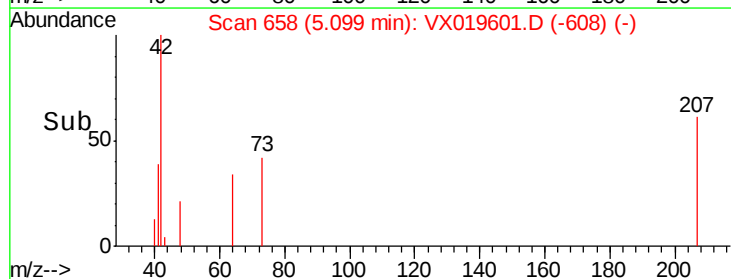
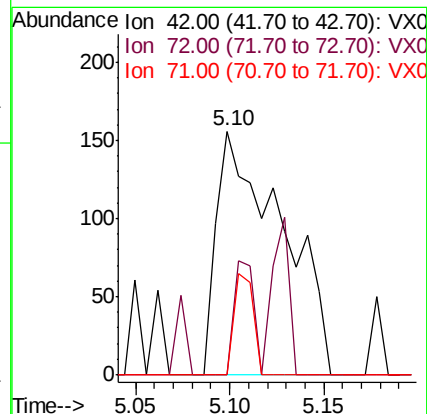
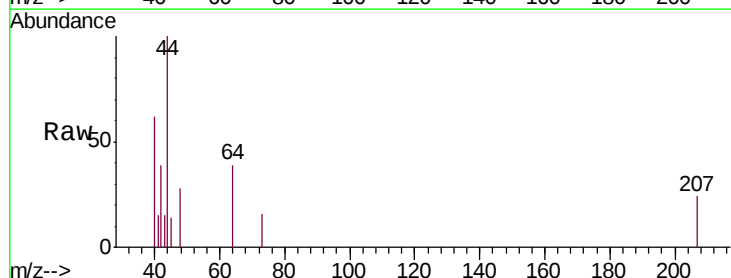
Tgt Ion: 42 Resp: 375

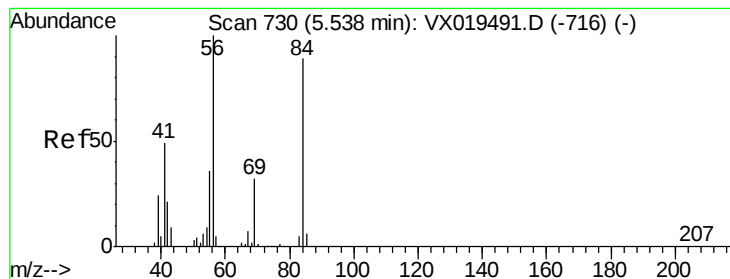
Ion Ratio Lower Upper

42 100

72 13.9 42.6 63.8#

71 12.0 39.0 58.6#





#31

Cyclohexane

Concen: 1.195 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

Instrument :

MSVOA_X

ClientSampled :

16881

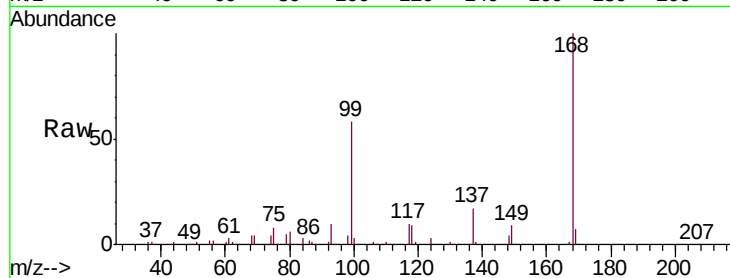
Tgt Ion: 56 Resp: 5897

Ion Ratio Lower Upper

56 100

69 204.4 25.5 38.3#

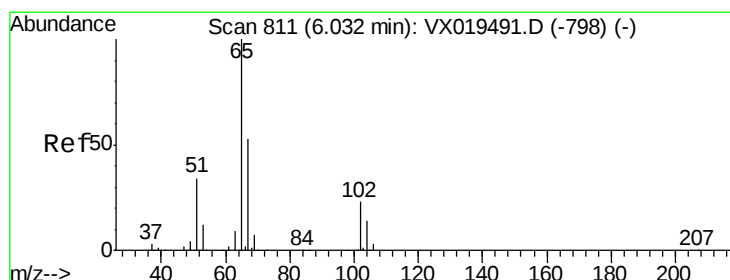
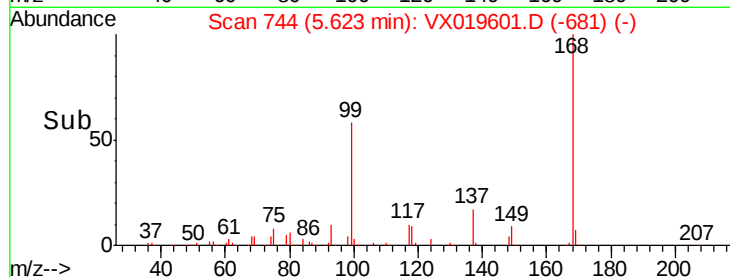
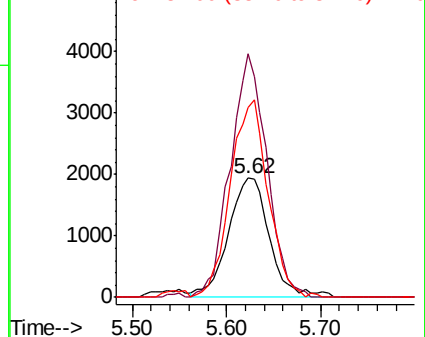
84 159.6 71.1 106.7#



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: 48.561 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019601.D

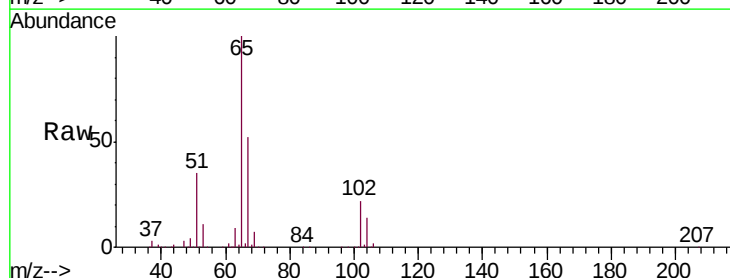
Acq: 24 Nov 2020 13:35

Tgt Ion: 65 Resp: 184194

Ion Ratio Lower Upper

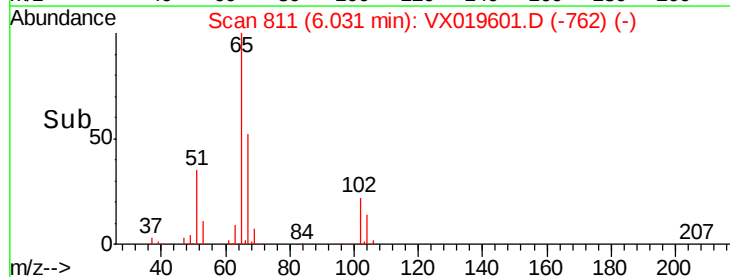
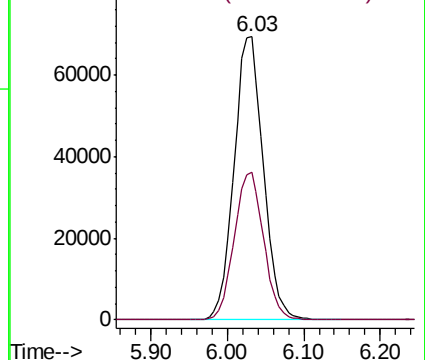
65 100

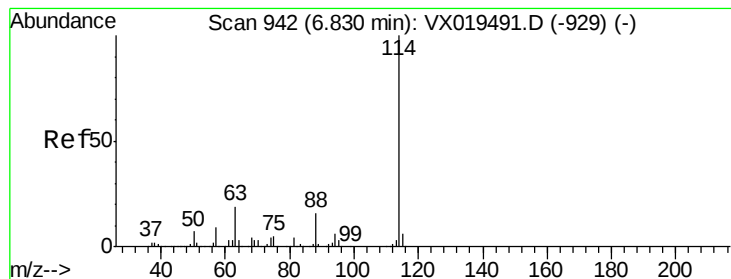
67 52.2 0.0 105.0



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: VX019601.D

Acq: 24 Nov 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

16881

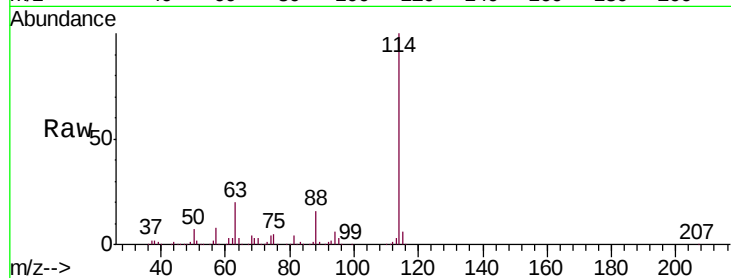
Tgt Ion:114 Resp: 485696

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

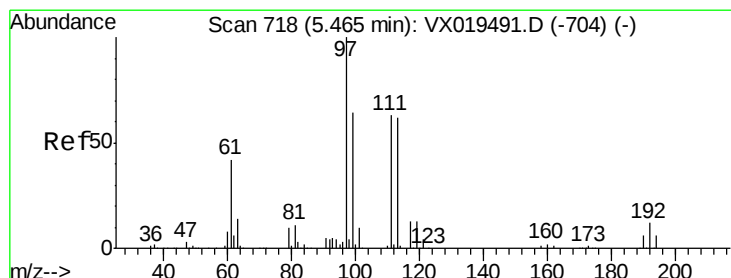
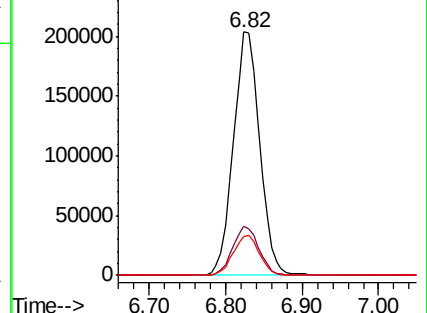
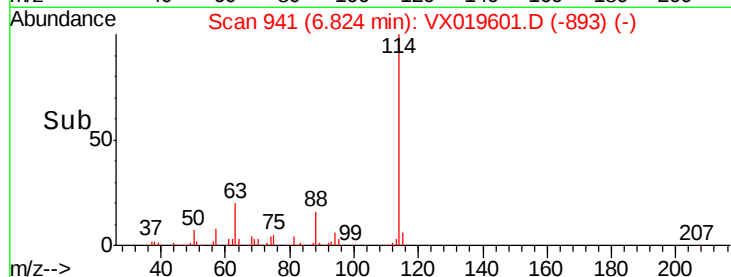
88 16.0 0.0 31.6



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: 47.569 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

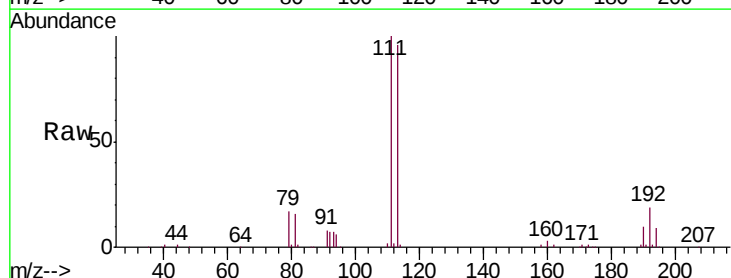
Tgt Ion:113 Resp: 145025

Ion Ratio Lower Upper

113 100

111 102.3 81.5 122.3

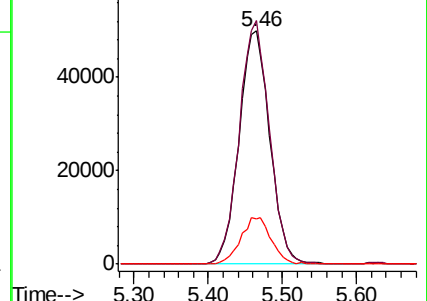
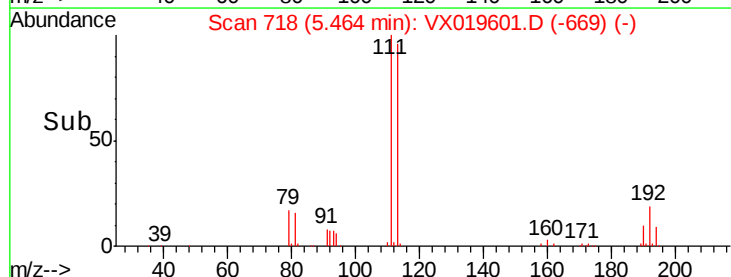
192 19.7 16.2 24.2

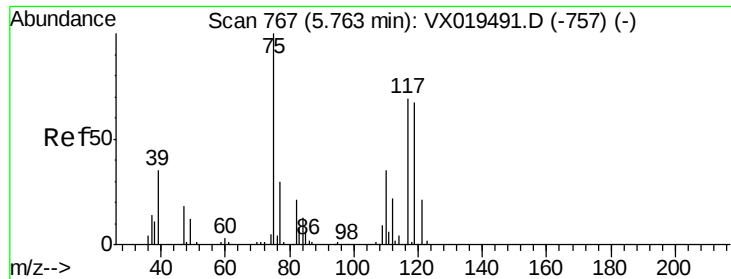


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.871 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

16881

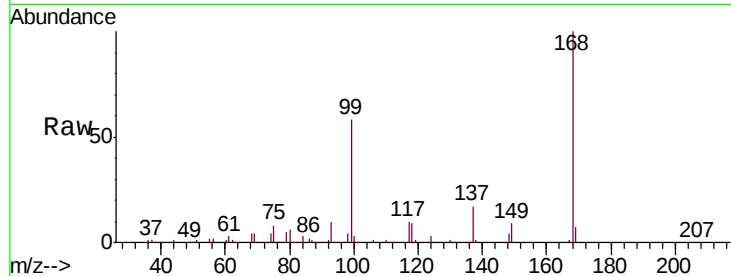
Tgt Ion: 75 Resp: 22178

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.3#

77 0.0 24.2 36.4#

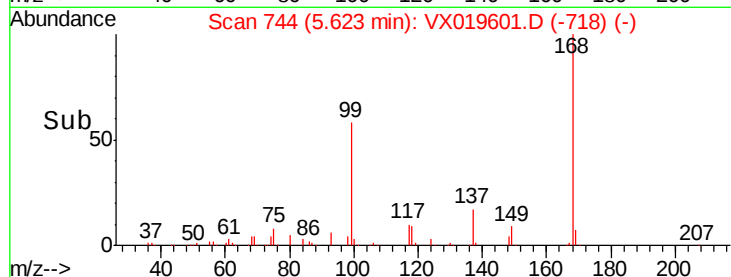


Abundance Ion 74.90 (74.60 to 75.60): VX019491.D (-757) (-)

Ion 109.90 (109.60 to 110.60): VX019491.D (-757) (-)

Ion 76.90 (76.60 to 77.60): VX019491.D (-757) (-)

Time-->

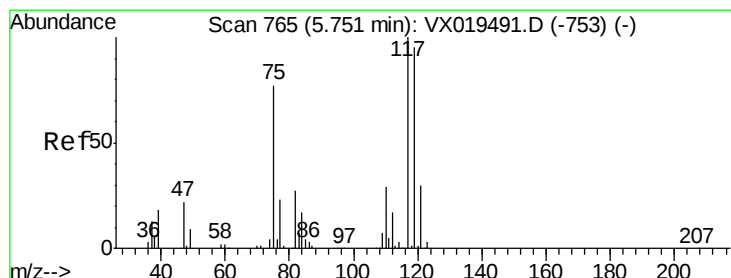


Abundance Ion 74.90 (74.60 to 75.60): VX019601.D (-718) (-)

Ion 109.90 (109.60 to 110.60): VX019601.D (-718) (-)

Ion 76.90 (76.60 to 77.60): VX019601.D (-718) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.505 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

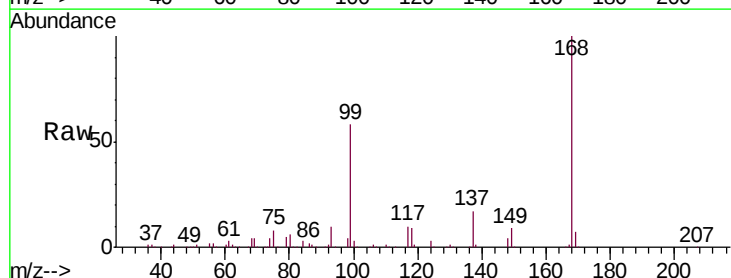
Tgt Ion: 117 Resp: 28672

Ion Ratio Lower Upper

117 100

119 5.3 75.9 113.9#

121 0.0 24.0 36.0#

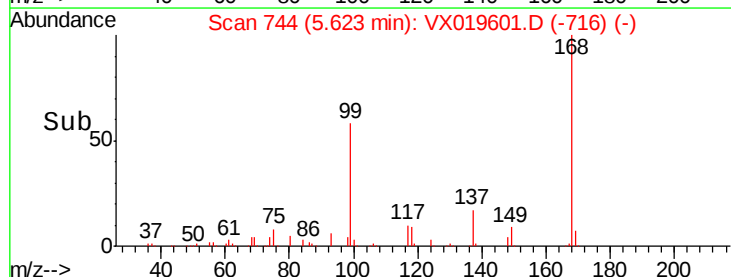


Abundance Ion 116.80 (116.50 to 117.50): VX019491.D (-753) (-)

Ion 118.80 (118.50 to 119.50): VX019491.D (-753) (-)

Ion 120.80 (120.50 to 121.50): VX019491.D (-753) (-)

Time-->

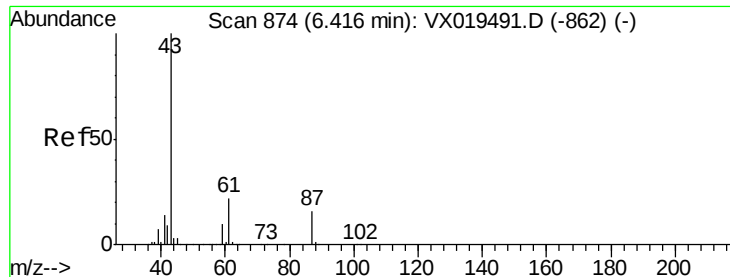


Abundance Ion 116.80 (116.50 to 117.50): VX019601.D (-716) (-)

Ion 118.80 (118.50 to 119.50): VX019601.D (-716) (-)

Ion 120.80 (120.50 to 121.50): VX019601.D (-716) (-)

Time-->



#43

Isopropyl Acetate

Concen: 0.263 ug/l

RT: 6.42 min Scan# 875

Delta R.T. 0.01 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

16881

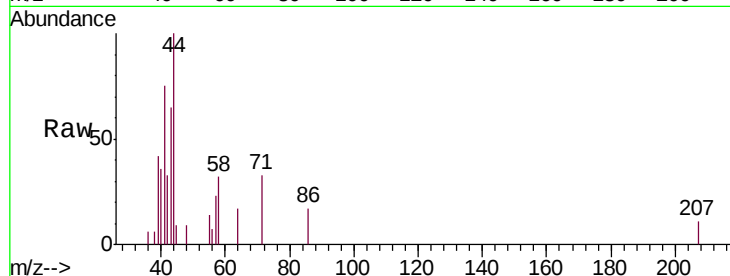
Tgt Ion: 43 Resp: 1888

Ion Ratio Lower Upper

43 100

61 0.0 18.2 27.2#

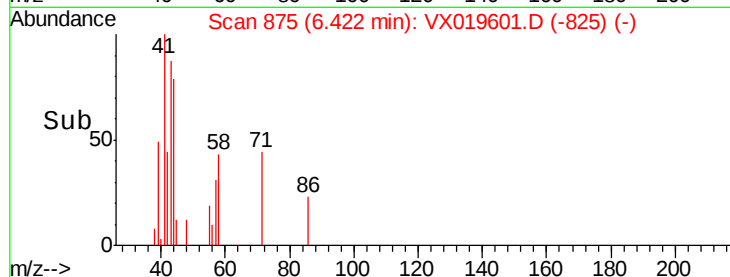
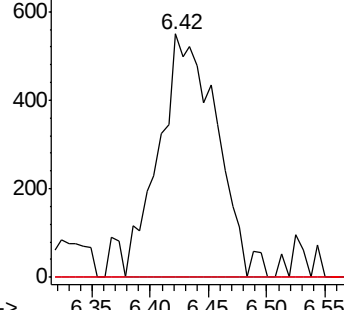
87 0.0 12.6 18.8#



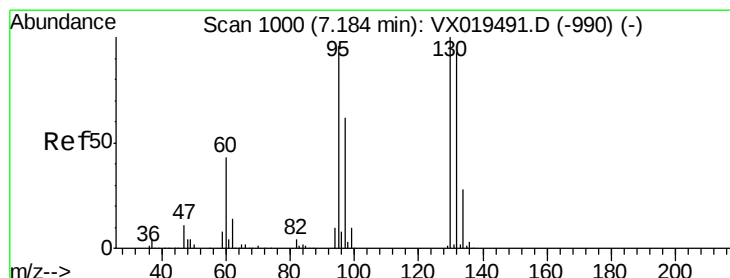
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#44

Trichloroethene

Concen: 0.254 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019601.D

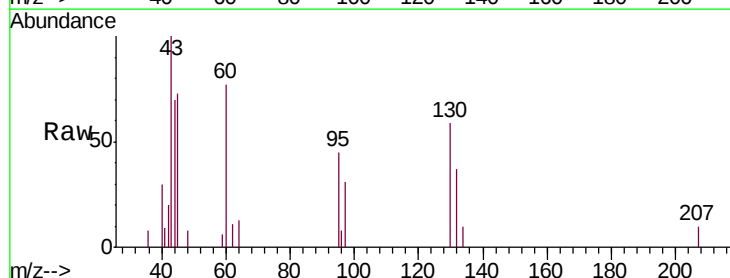
Acq: 24 Nov 2020 13:35

Tgt Ion: 130 Resp: 930

Ion Ratio Lower Upper

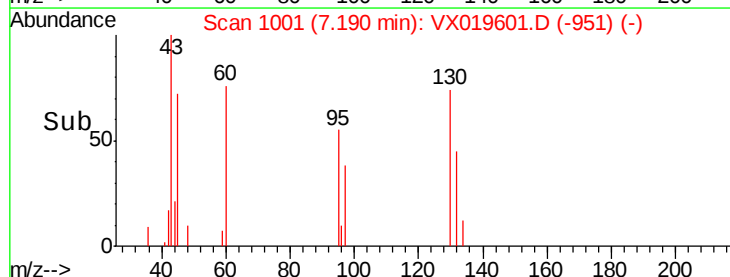
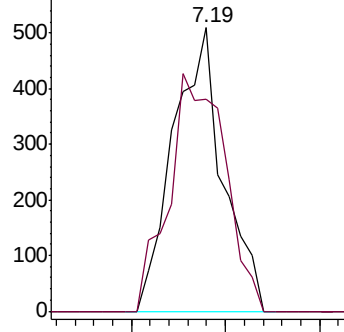
130 100

95 75.0 0.0 191.2

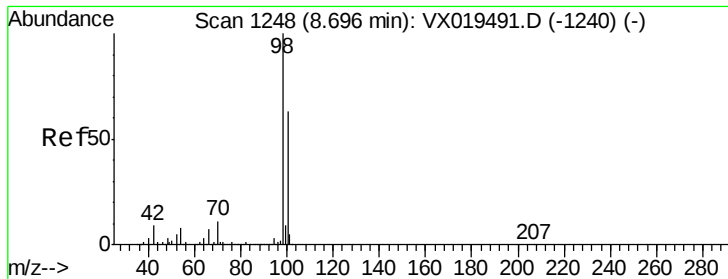


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



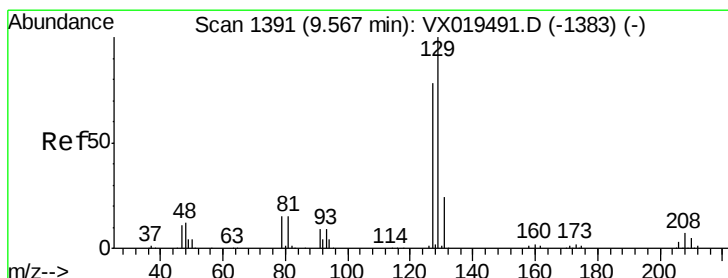
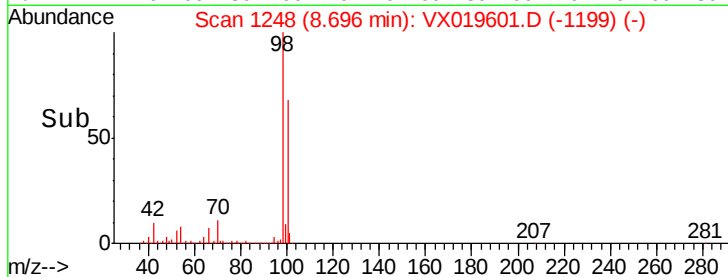
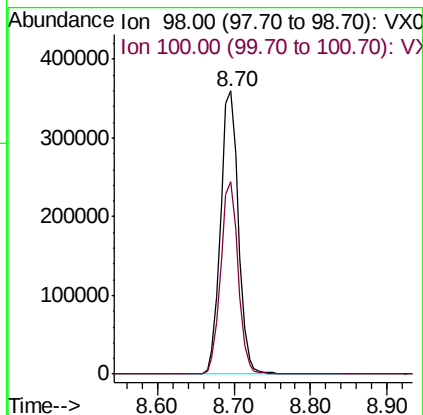
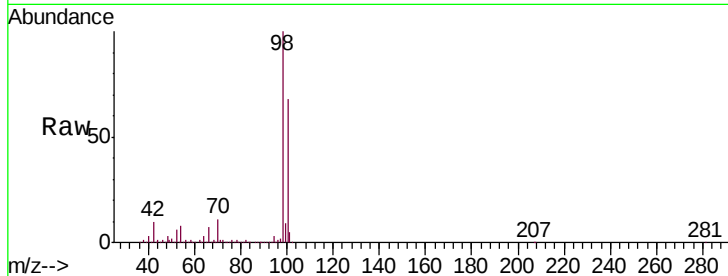
Time-->



#50
Toluene-d8
Concen: 49.019 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019601.D
Acq: 24 Nov 2020 13:35

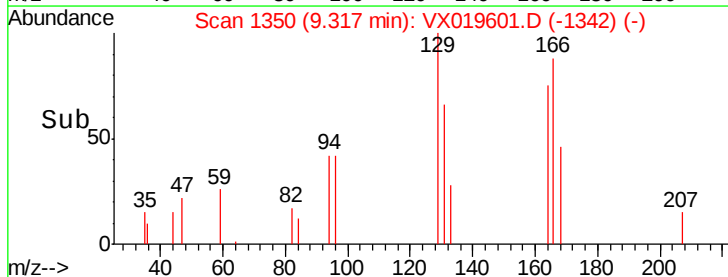
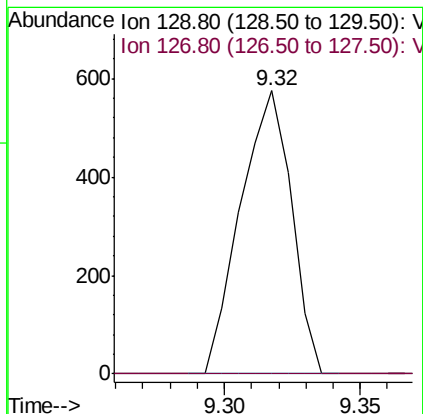
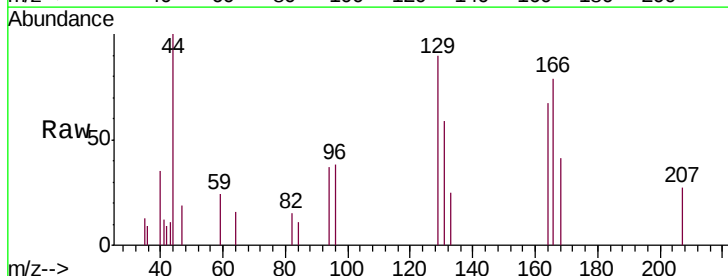
Instrument :
MSVOA_X
ClientSampleId :
16881

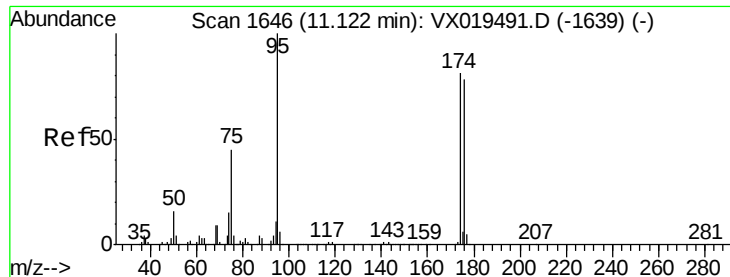
Tgt Ion: 98 Resp: 580729
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6



#60
Dibromochloromethane
Concen: 0.219 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.25 min
Lab File: VX019601.D
Acq: 24 Nov 2020 13:35

Tgt Ion: 129 Resp: 746
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#





#62

4-Bromofluorobenzene

Concen: 47.530 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

16881

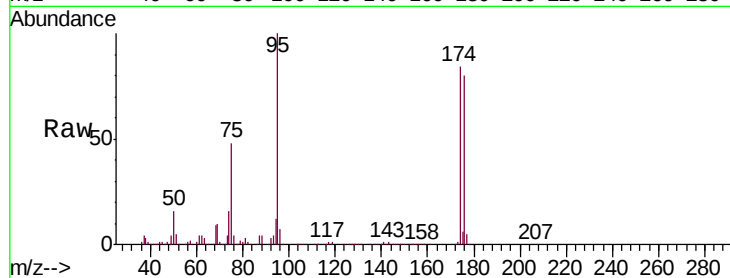
Tgt Ion: 95 Resp: 202592

Ion Ratio Lower Upper

95 100

174 80.8 0.0 156.2

176 76.1 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0

11.12

200000

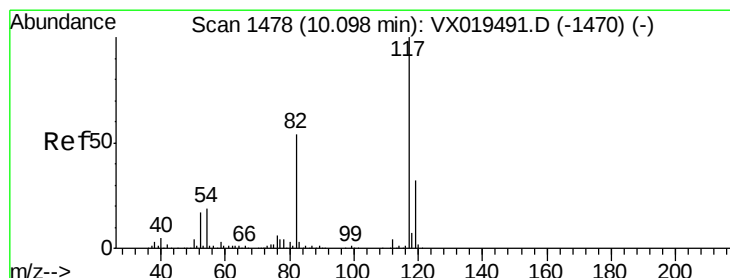
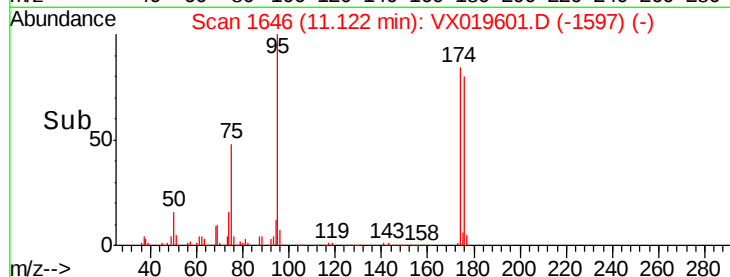
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.01 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

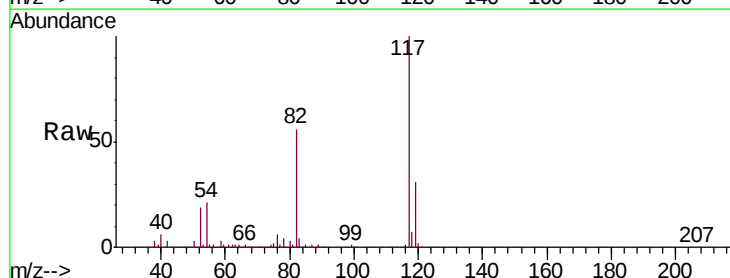
Tgt Ion: 117 Resp: 445319

Ion Ratio Lower Upper

117 100

82 56.1 43.0 64.4

119 31.2 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

400000

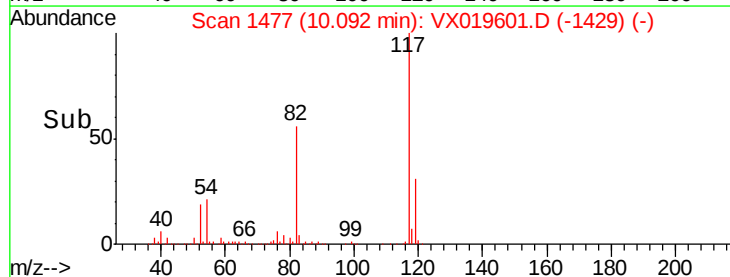
300000

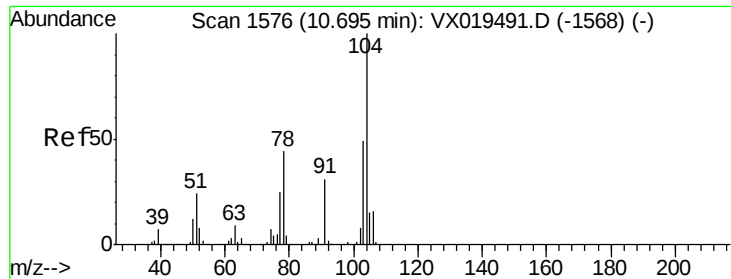
200000

100000

0

Time--> 10.00 10.10 10.20

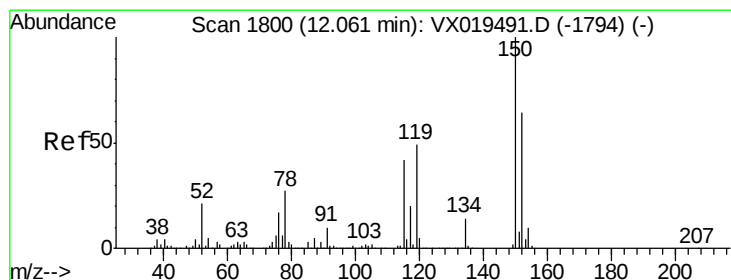
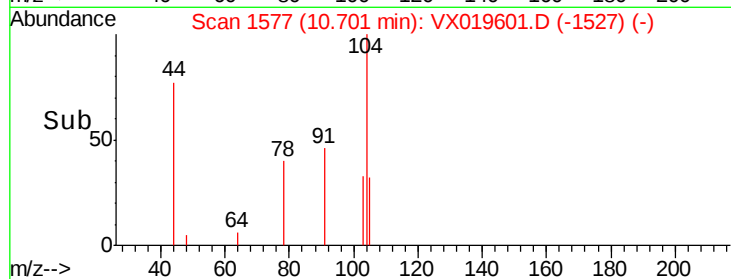
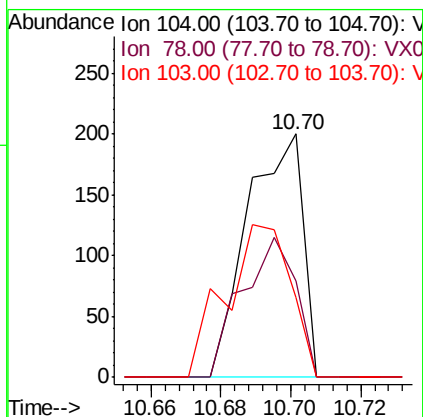
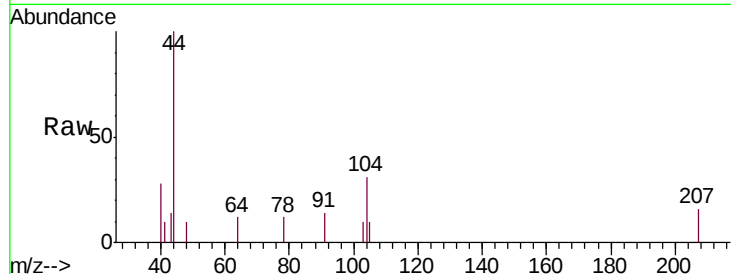




#70
Styrene
Concen: 1.666 ug/l
RT: 10.70 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VX019601.D
Acq: 24 Nov 2020 13:35

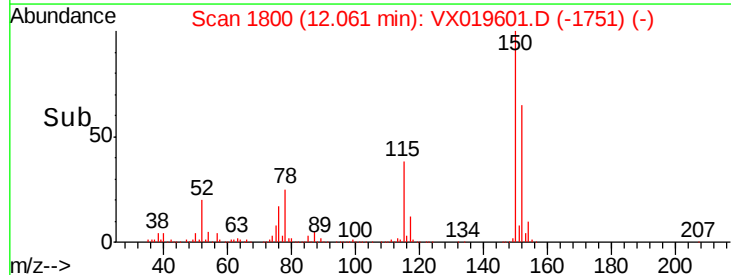
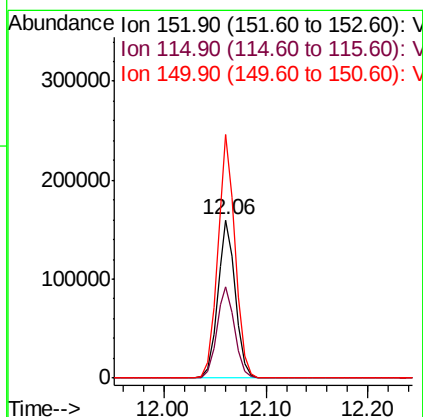
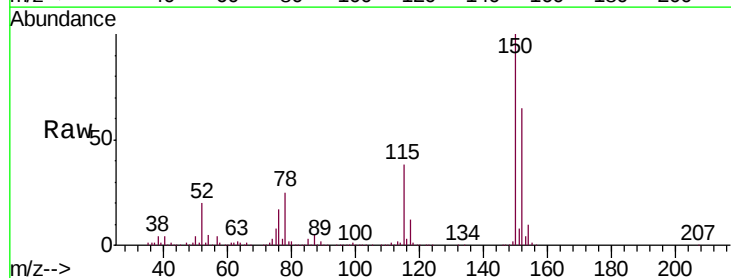
Instrument :
MSVOA_X
ClientSampleId :
16881

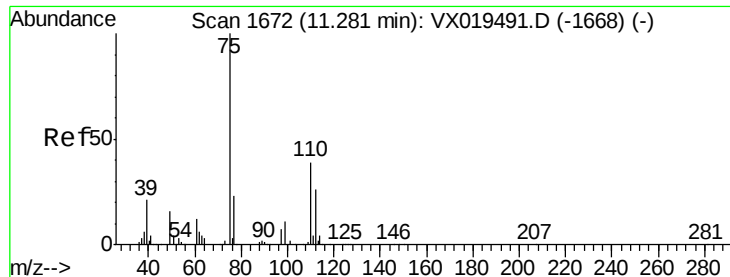
Tgt Ion:104 Resp: 219
Ion Ratio Lower Upper
104 100
78 56.2 39.5 59.3
103 73.5 43.6 65.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019601.D
Acq: 24 Nov 2020 13:35

Tgt Ion:152 Resp: 191872
Ion Ratio Lower Upper
152 100
115 58.8 41.8 125.4
150 152.8 0.0 348.2

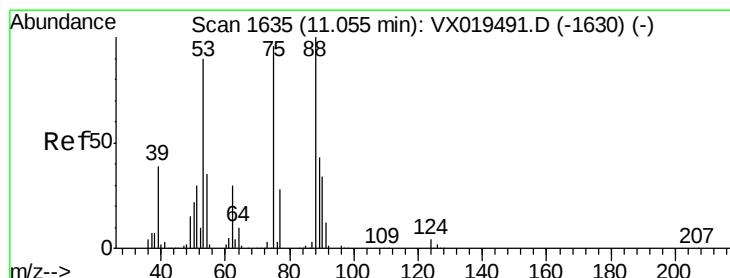
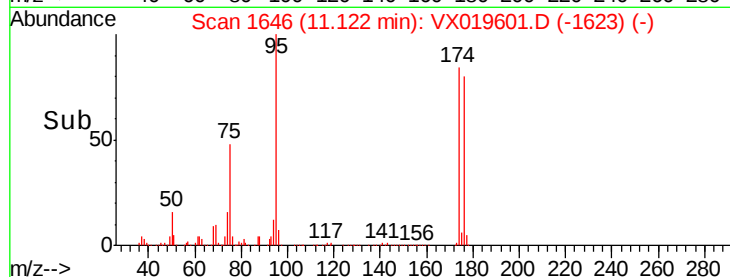
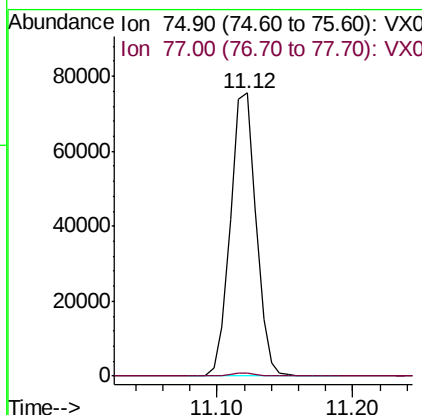
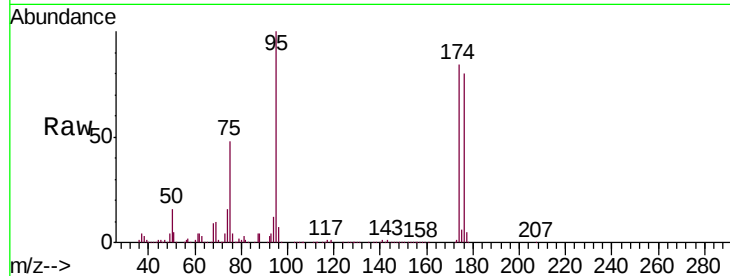




#76
 1,2,3-Trichloropropane
 Concen: 23.792 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX019601.D
 Acq: 24 Nov 2020 13:35

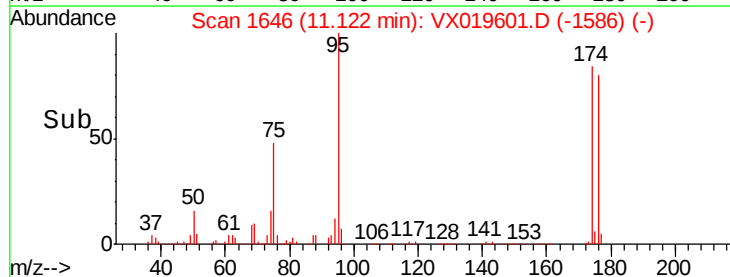
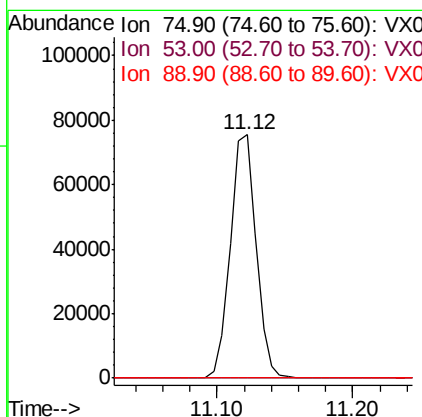
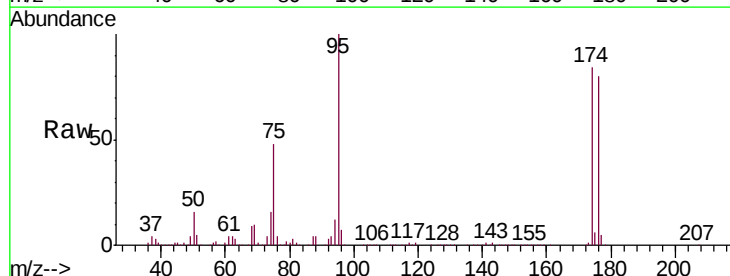
Instrument :
 MSVOA_X
 ClientSampleId :
 16881

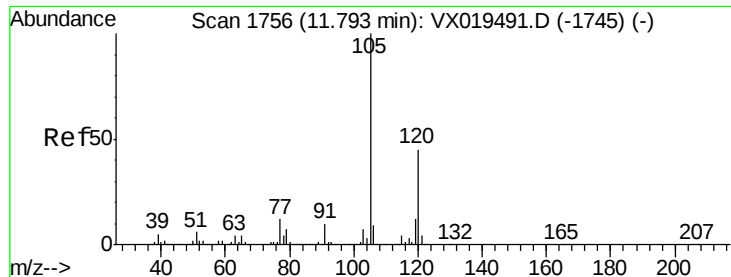
Tgt Ion: 75 Resp: 99625
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 60.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.054 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019601.D
 Acq: 24 Nov 2020 13:35

Tgt Ion: 75 Resp: 99625
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 0.0 37.3 55.9#





#84

1,2,4-Trimethylbenzene

Concen: 0.310 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

Instrument :

MSVOA_X

ClientSampled :

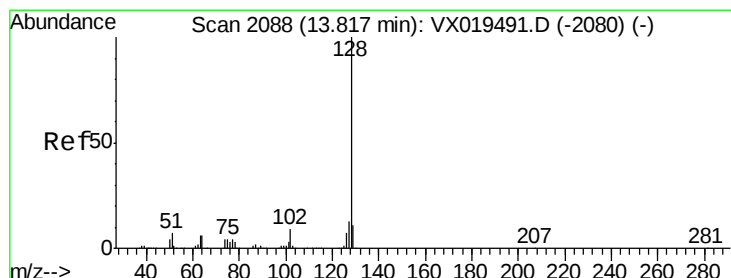
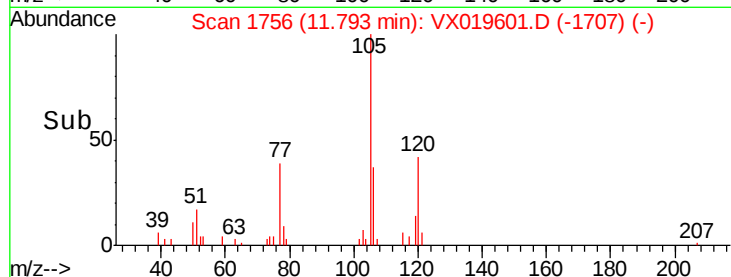
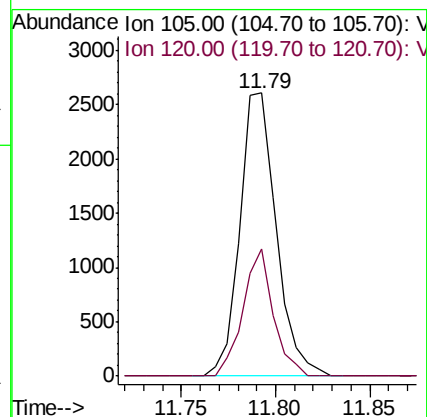
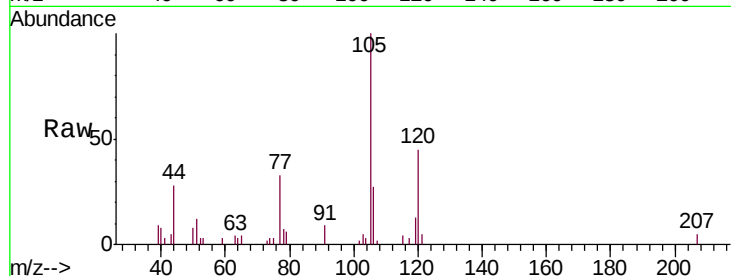
16881

Tgt Ion:105 Resp: 3492

Ion Ratio Lower Upper

105 100

120 37.3 22.2 66.6



#95

Naphthalene

Concen: 2.494 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019601.D

Acq: 24 Nov 2020 13:35

Tgt Ion:128 Resp: 4670

Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

129 11.9 8.7 13.1

