

Data File : VX019636.D
Acq On : 25 Nov 2020 03:55
Operator : JC/MD
Sample : L4835-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Quant Time: Nov 25 06:58:29 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	317291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	524061	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	191091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	196607	47.79	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.58%		
35) Dibromofluoromethane	5.46	113	155790	47.36	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.72%		
50) Toluene-d8	8.70	98	626338	49.00	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.00%		
62) 4-Bromofluorobenzene	11.12	95	211770	46.05	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.10%		

Target Compounds

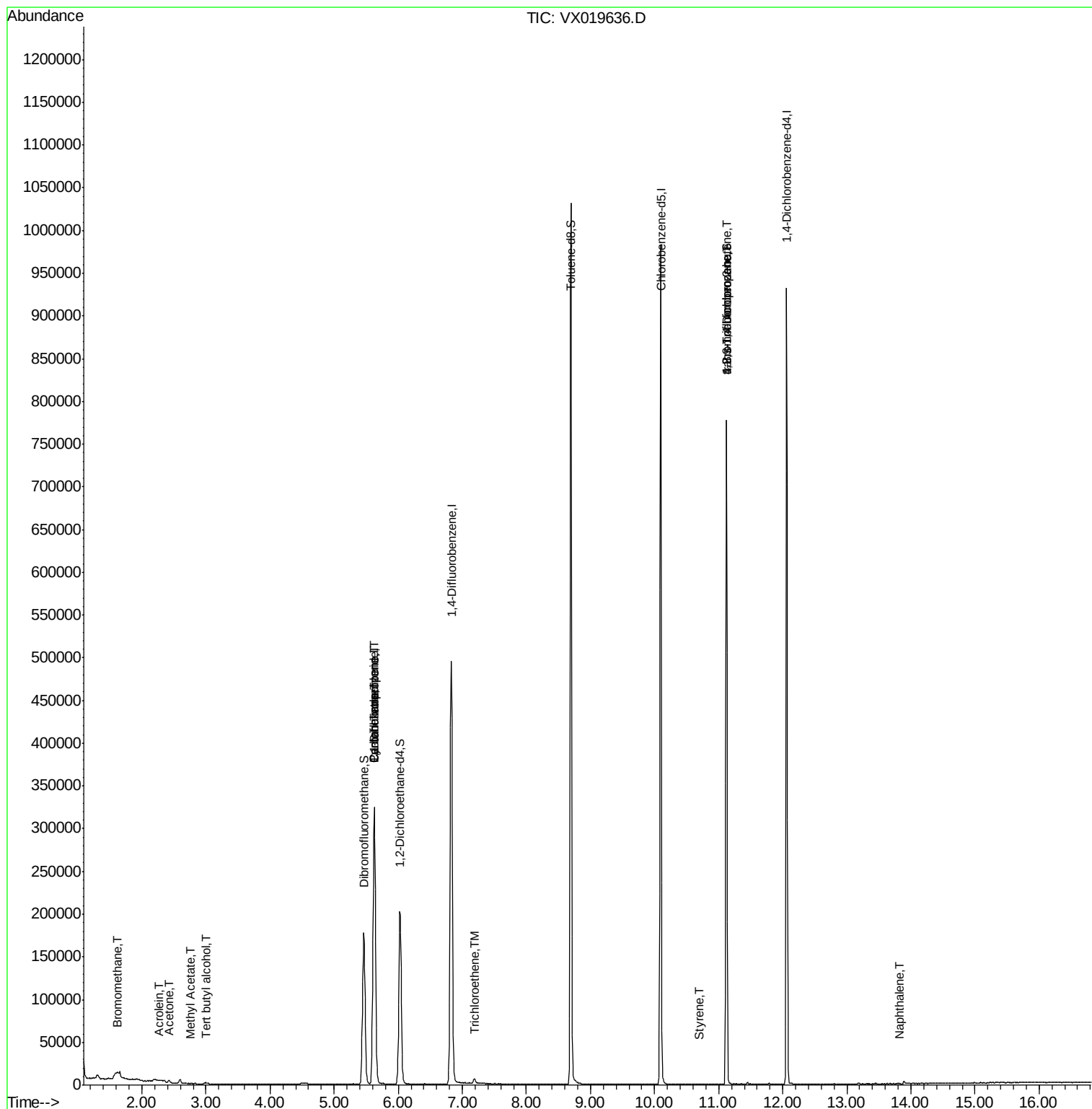
					Qvalue	
5) Bromomethane	1.62	94	515	0.357 ug/l #	47	
6) Chloroethane	1.68	64	1347	Below Cal #	41	
11) Tert butyl alcohol	3.00	59	1368	1.757 ug/l #	73	
13) Acrolein	2.28	56	155	0.296 ug/l #	20	
16) Acetone	2.42	43	2838	1.784 ug/l	92	
18) Methyl Acetate	2.75	43	767	0.829 ug/l #	47	
31) Cyclohexane	5.63	56	5840	1.091 ug/l #	1	
36) 1,1-Dichloropropene	5.63	75	23894	4.863 ug/l #	50	
38) Carbon Tetrachloride	5.62	117	31060	6.531 ug/l #	16	
44) Trichloroethene	7.19	130	1658	0.419 ug/l	95	
70) Styrene	10.70	104	89	1.654 ug/l #	26	
76) 1,2,3-Trichloropropane	11.12	75	104694	25.105 ug/l #	37	
81) trans-1,4-Dichloro-2-buten	11.12	75	104694	66.299 ug/l #	12	
95) Naphthalene	13.82	128	466	2.210 ug/l #	69	

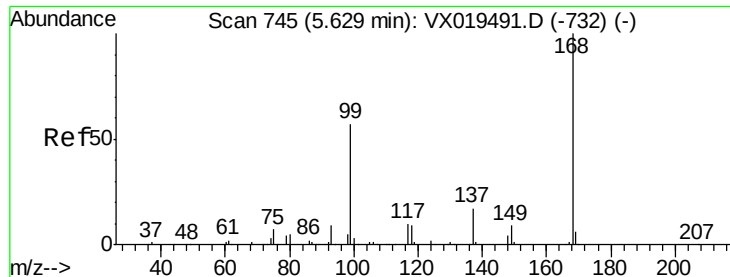
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019636.D

Acq: 25 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

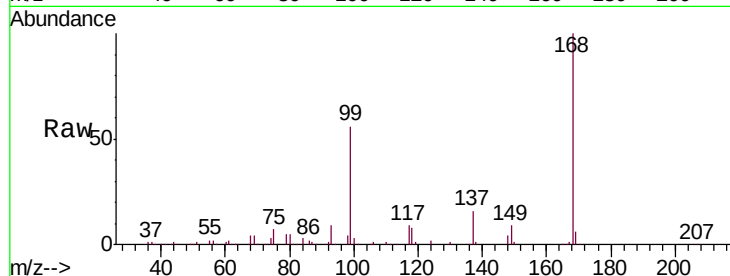
BFB

Tgt Ion:168 Resp: 317291

Ion Ratio Lower Upper

168 100

99 56.3 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

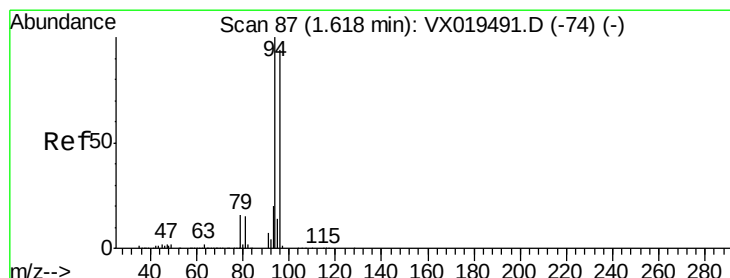
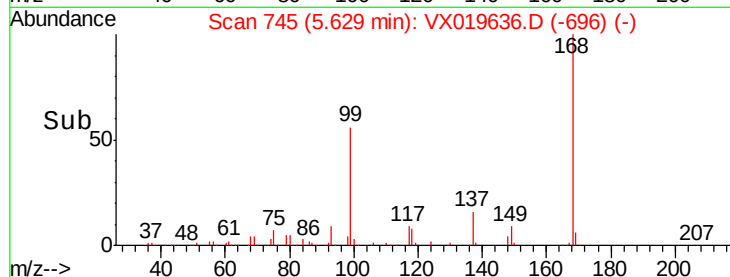
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.357 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019636.D

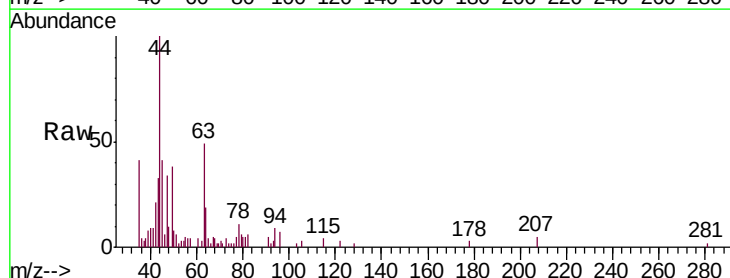
Acq: 25 Nov 2020 03:55

Tgt Ion: 94 Resp: 515

Ion Ratio Lower Upper

94 100

96 43.1 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

250

200

150

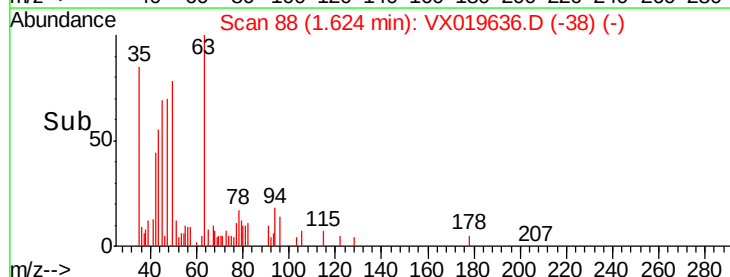
100

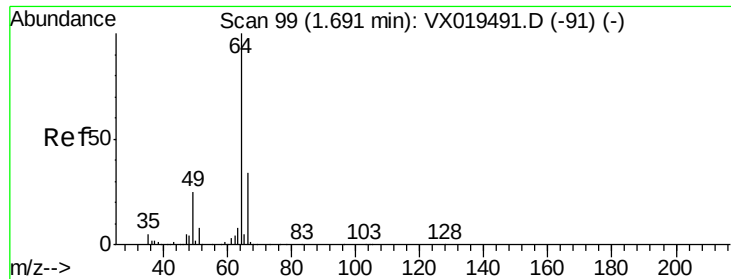
50

0

Time-->

1.55 1.60 1.65





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 98

Delta R.T. -0.01 min

Lab File: VX019636.D

Acq: 25 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampled :

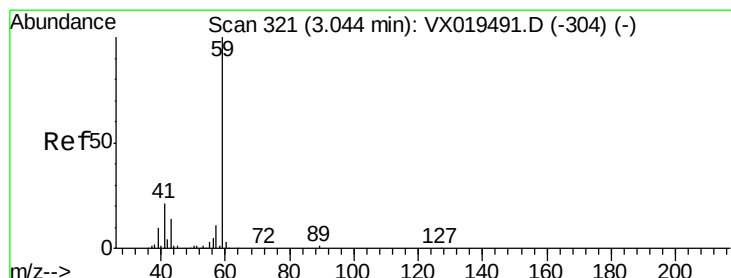
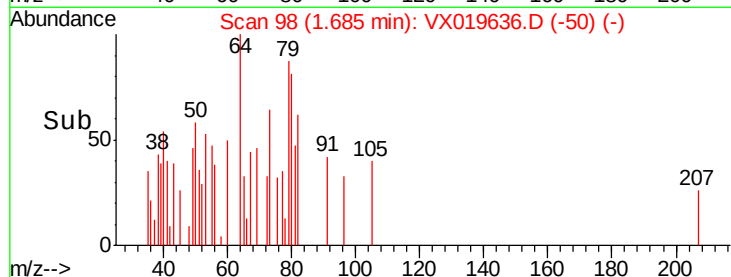
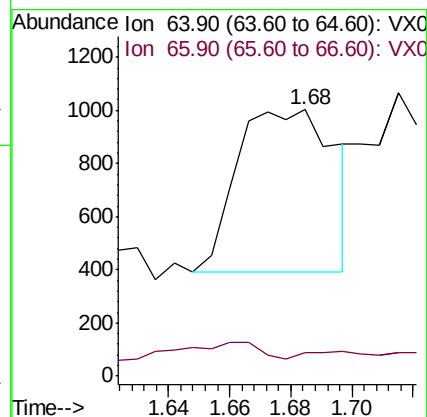
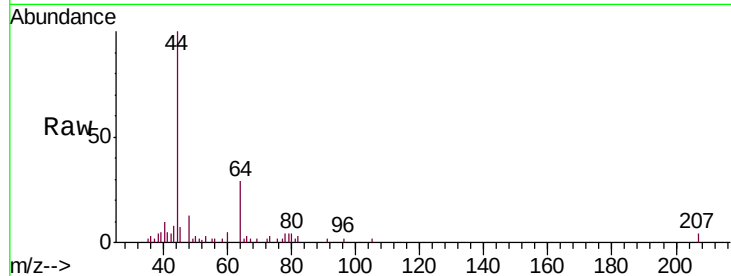
BFB

Tgt Ion: 64 Resp: 1347

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



#11

Tert butyl alcohol

Concen: 1.757 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019636.D

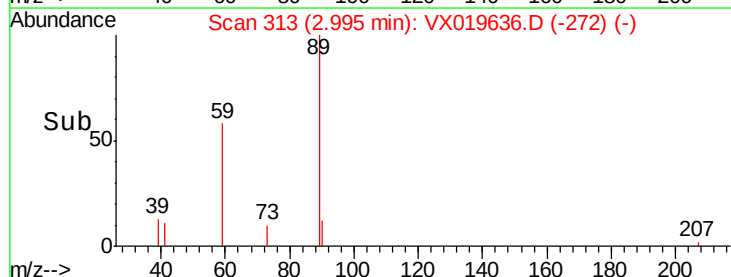
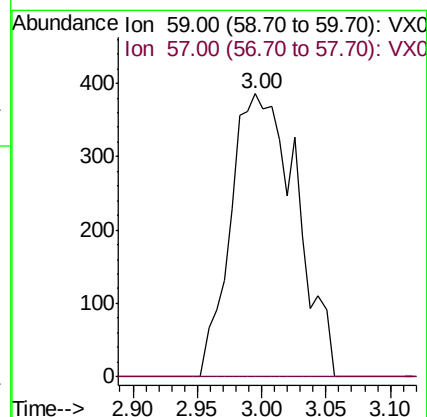
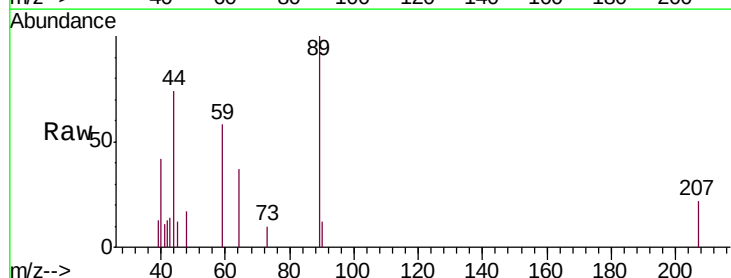
Acq: 25 Nov 2020 03:55

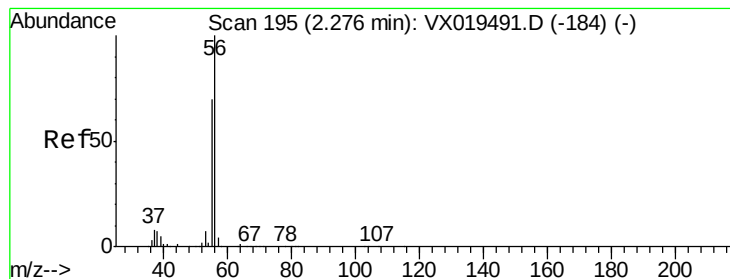
Tgt Ion: 59 Resp: 1368

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#13

Acrolein

Concen: 0.296 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019636.D

Acq: 25 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampled :

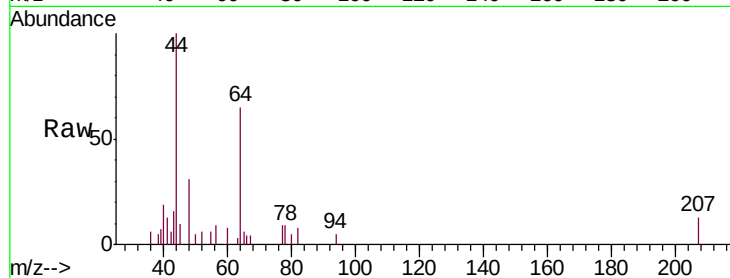
BFB

Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

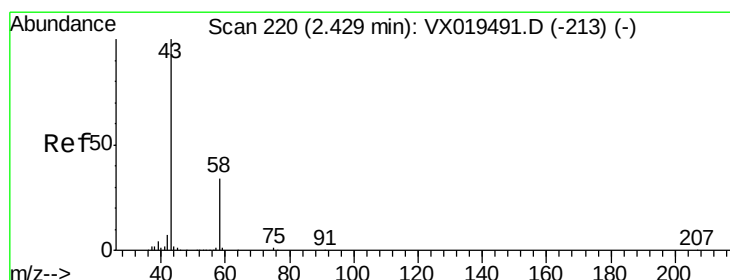
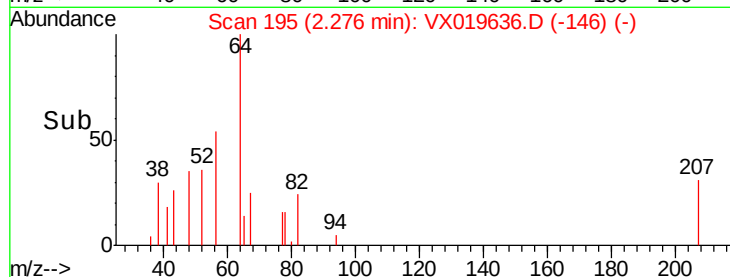
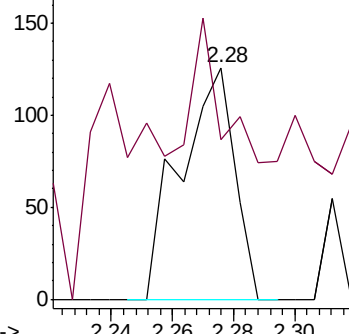
56 100

55 134.8 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: 1.784 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019636.D

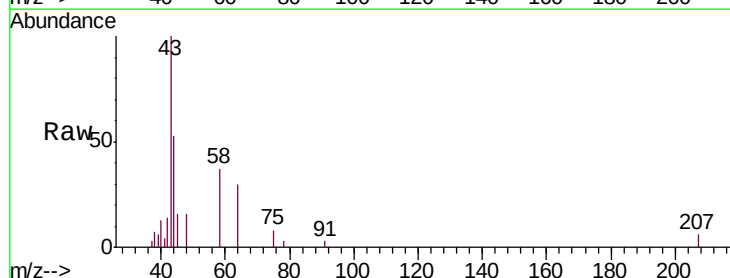
Acq: 25 Nov 2020 03:55

Tgt Ion: 43 Resp: 2838

Ion Ratio Lower Upper

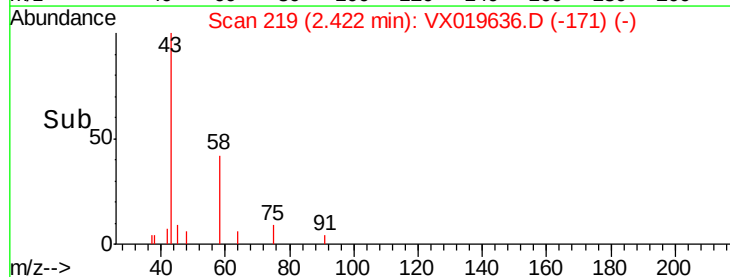
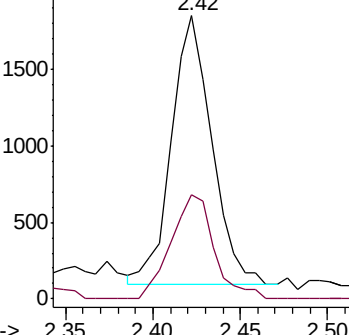
43 100

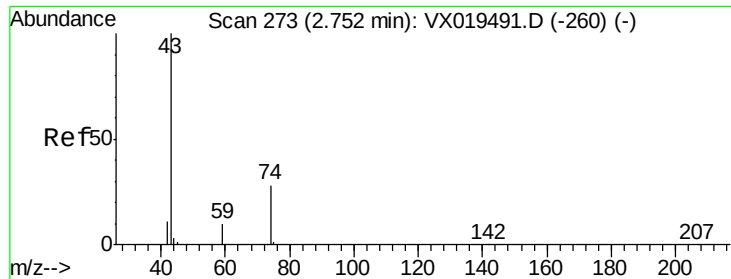
58 38.7 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

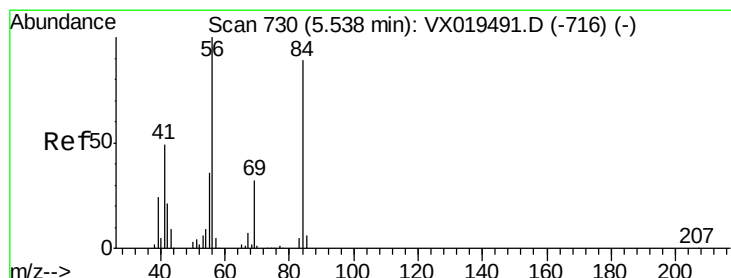
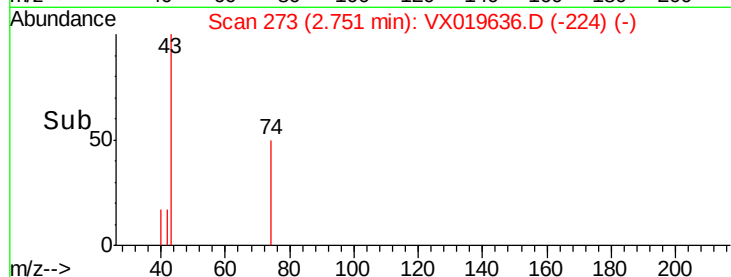
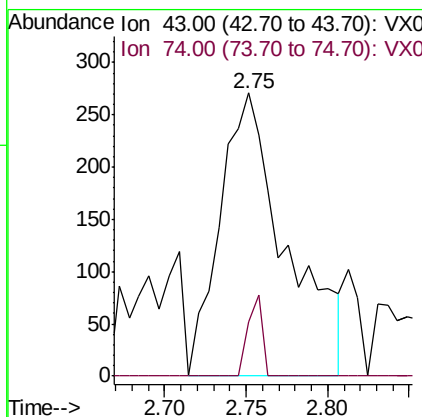
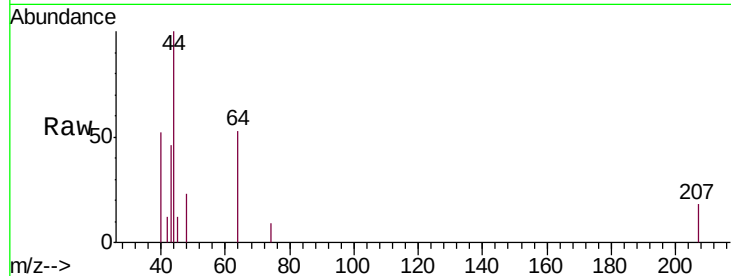




#18
Methyl Acetate
Concen: 0.829 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019636.D
Acq: 25 Nov 2020 03:55

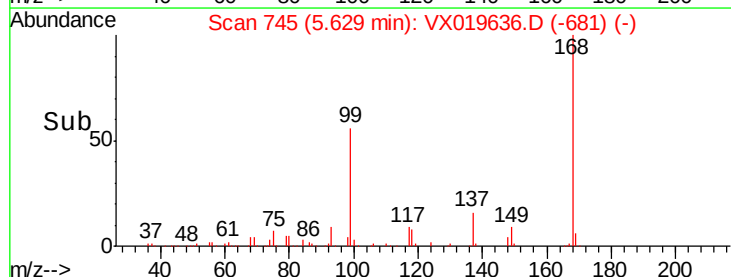
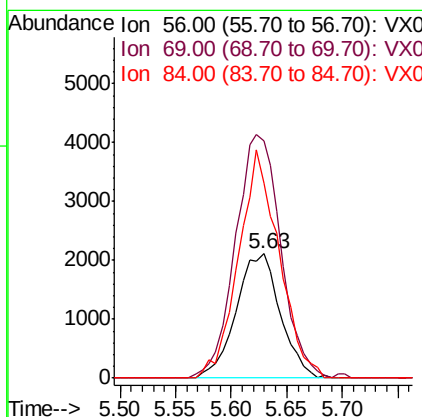
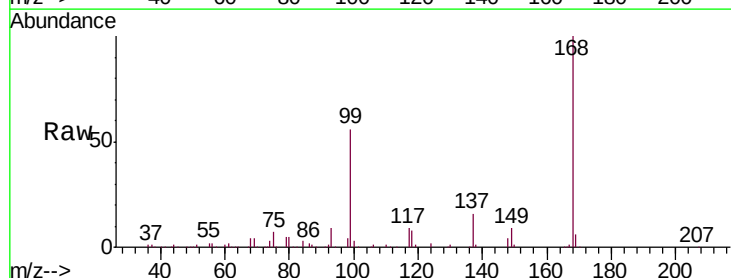
Instrument :
MSVOA_X
ClientSampled :
BFB

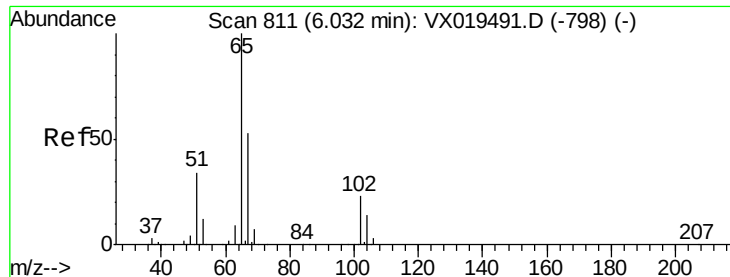
Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019636.D
Acq: 25 Nov 2020 03:55

Tgt Ion: 56 Resp: 5840
Ion Ratio Lower Upper
56 100
69 190.5 25.5 38.3#
84 156.9 71.1 106.7#

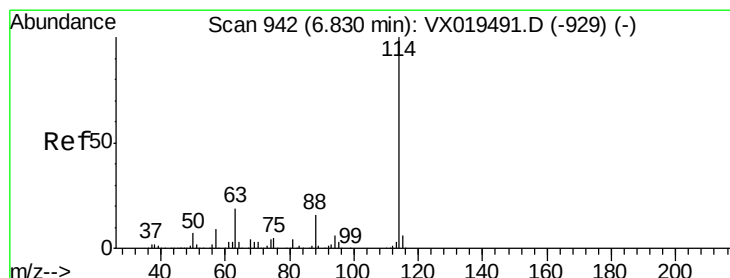
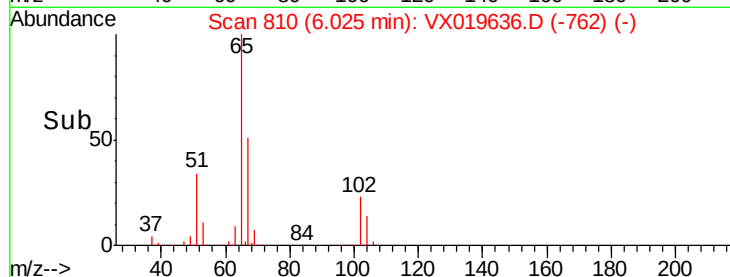
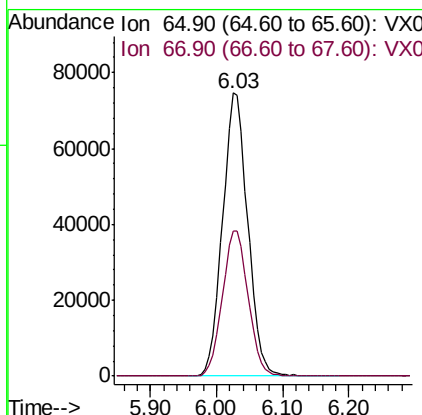
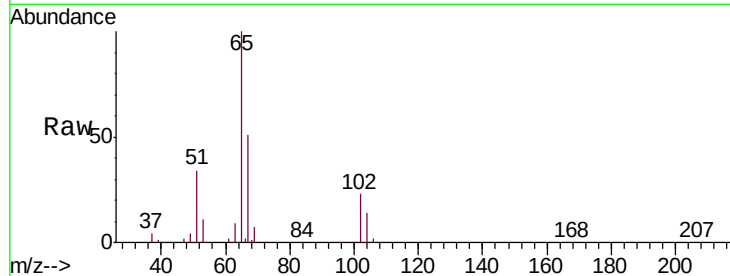




#33
 1,2-Dichloroethane-d4
 Concen: 47.790 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019636.D
 Acq: 25 Nov 2020 03:55

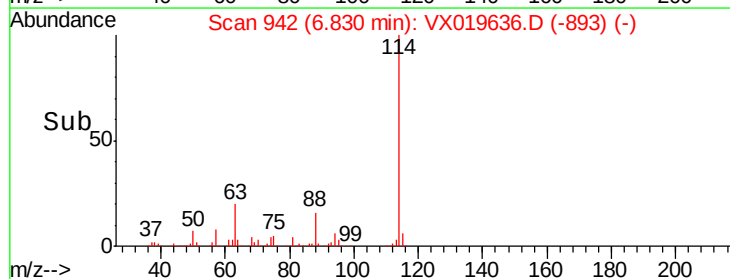
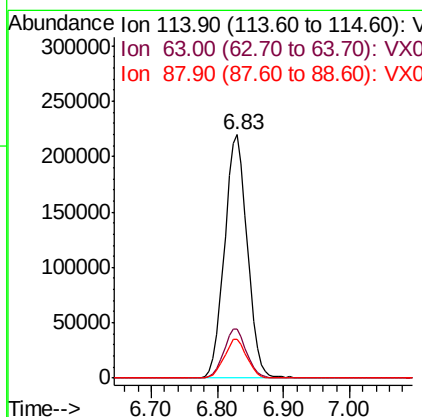
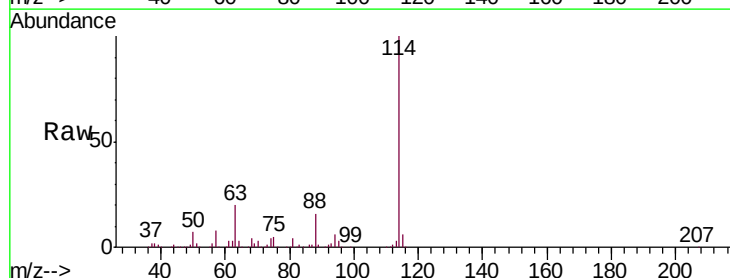
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

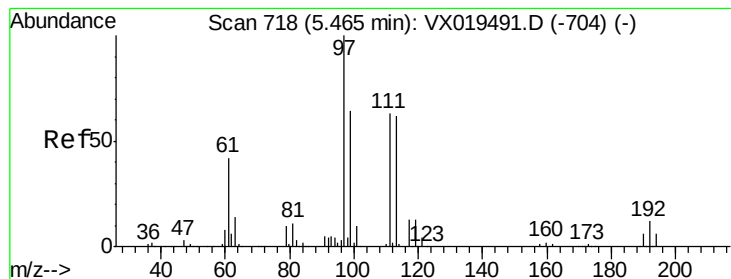
Tgt Ion: 65 Resp: 196607
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019636.D
 Acq: 25 Nov 2020 03:55

Tgt Ion: 114 Resp: 524061
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.8
 88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.359 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019636.D

Acq: 25 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

BFB

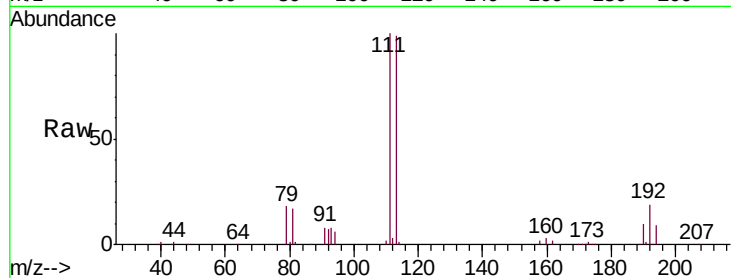
Tgt Ion:113 Resp: 155790

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

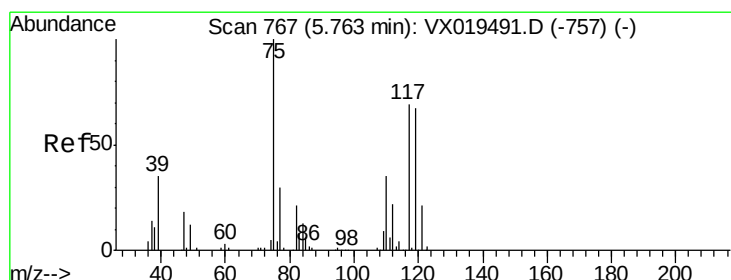
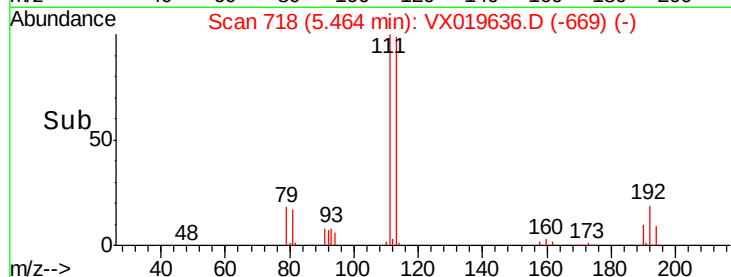
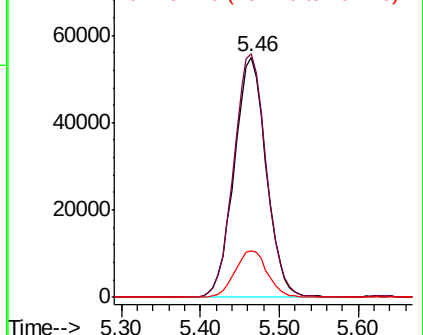
192 19.7 16.2 24.2



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: 4.863 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019636.D

Acq: 25 Nov 2020 03:55

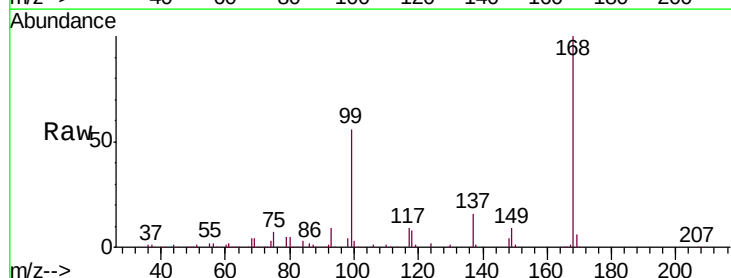
Tgt Ion: 75 Resp: 23894

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.3#

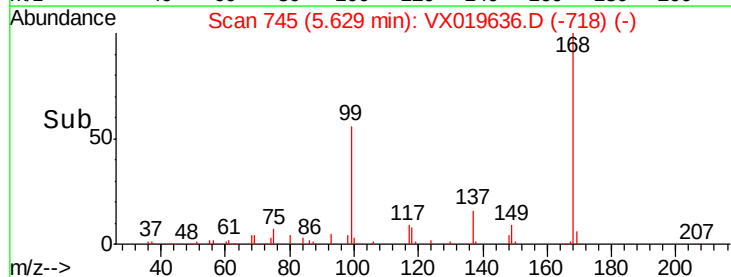
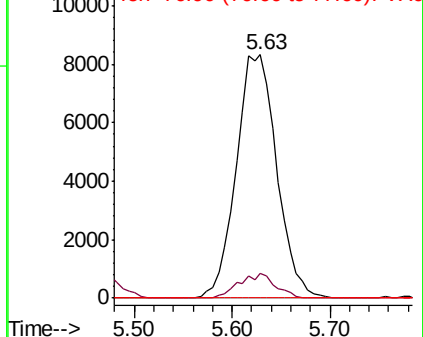
77 0.0 24.2 36.4#

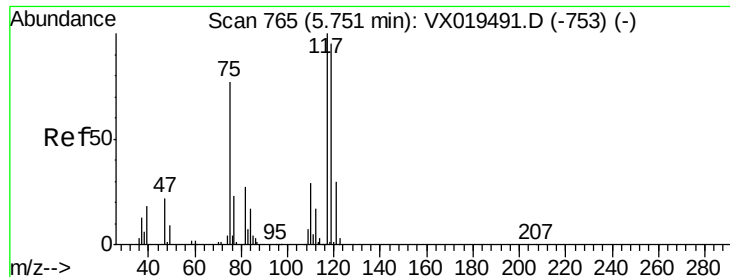


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.531 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019636.D

Acq: 25 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampled :

BFB

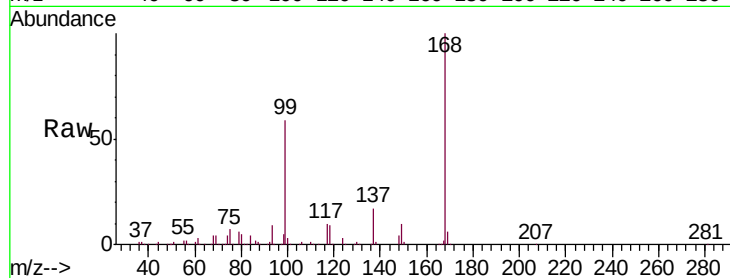
Tgt Ion:117 Resp: 31060

Ion Ratio Lower Upper

117 100

119 4.3 75.9 113.9#

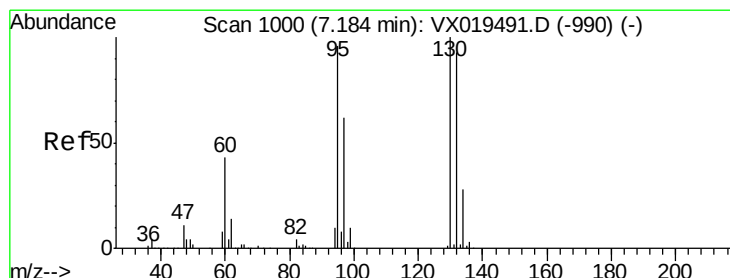
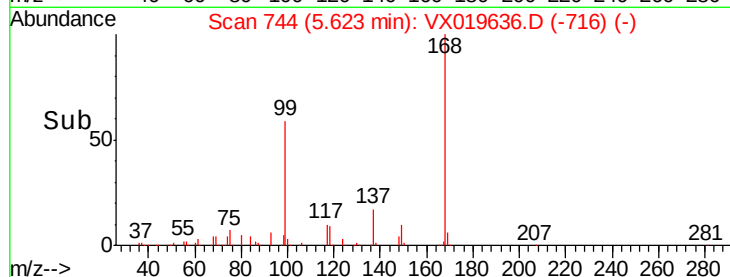
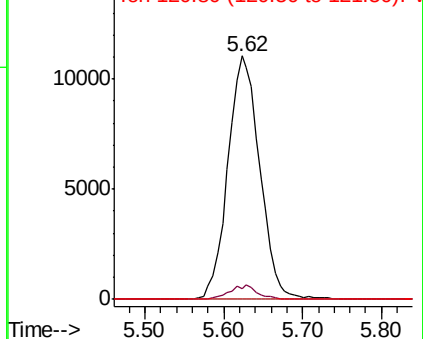
121 0.0 24.0 36.0#



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



#44

Trichloroethene

Concen: 0.419 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019636.D

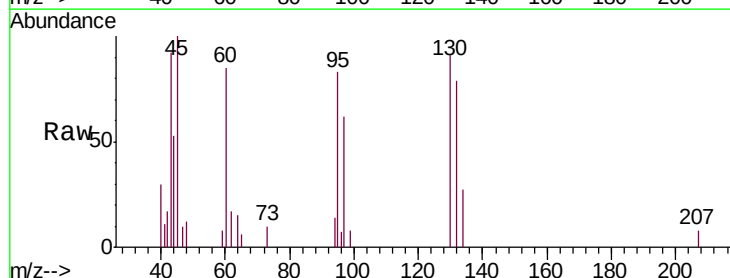
Acq: 25 Nov 2020 03:55

Tgt Ion:130 Resp: 1658

Ion Ratio Lower Upper

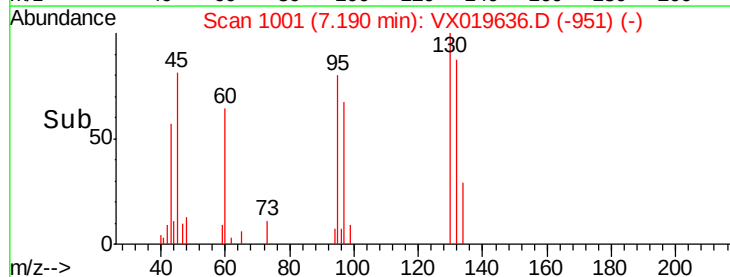
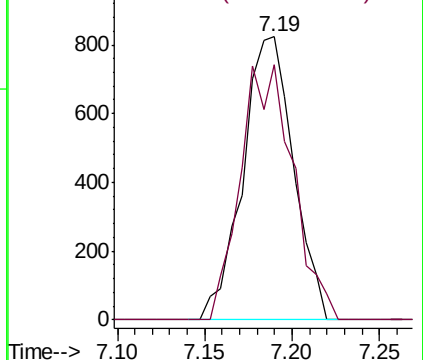
130 100

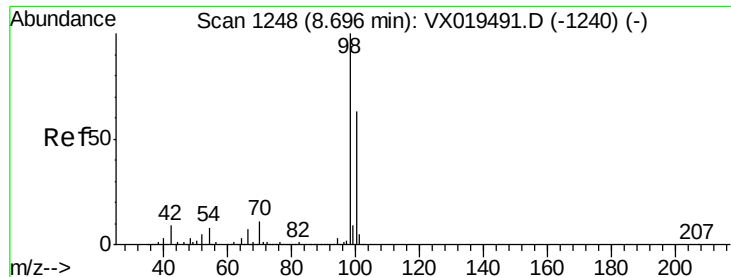
95 90.4 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

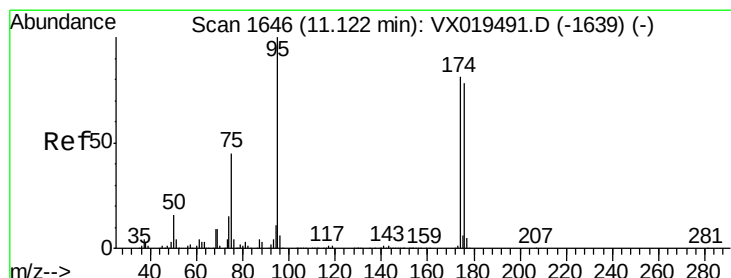
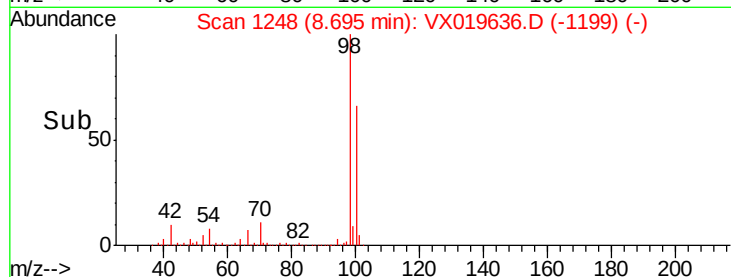
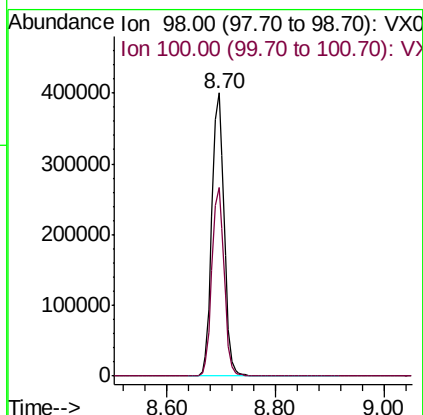
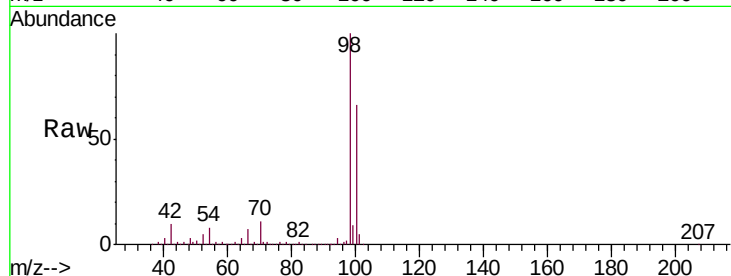




#50
Toluene-d8
Concen: 48.999 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019636.D
Acq: 25 Nov 2020 03:55

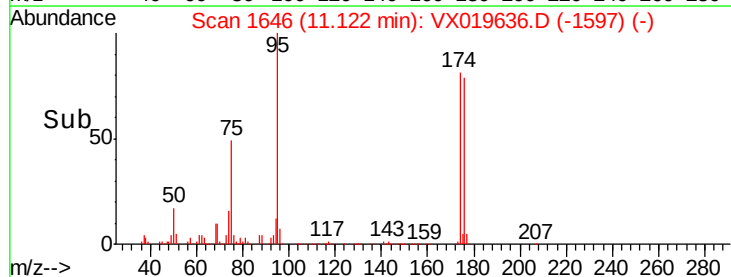
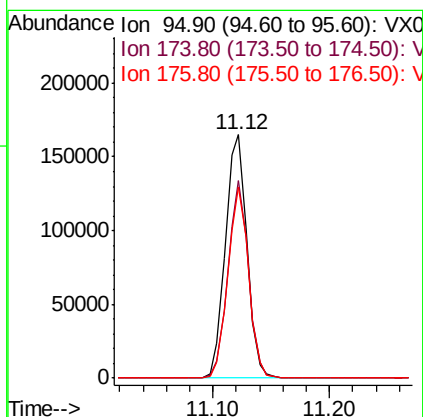
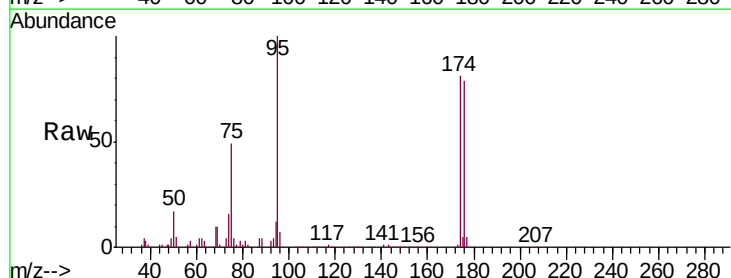
Instrument :
MSVOA_X
ClientSampleId :
BFB

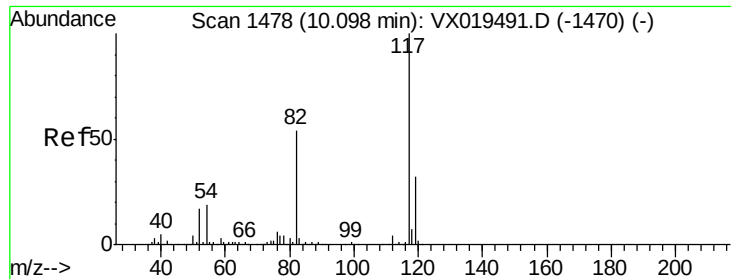
Tgt Ion: 98 Resp: 626338
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.046 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019636.D
Acq: 25 Nov 2020 03:55

Tgt Ion: 95 Resp: 211770
Ion Ratio Lower Upper
95 100
174 77.2 0.0 156.2
176 75.6 0.0 151.4

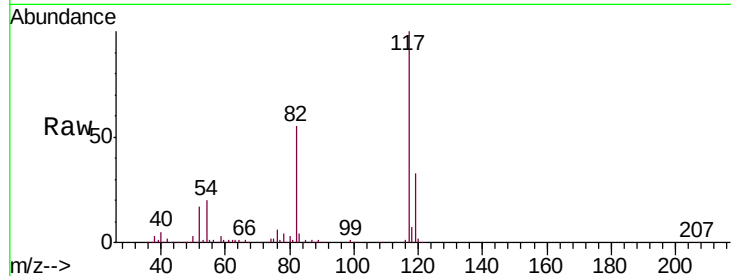




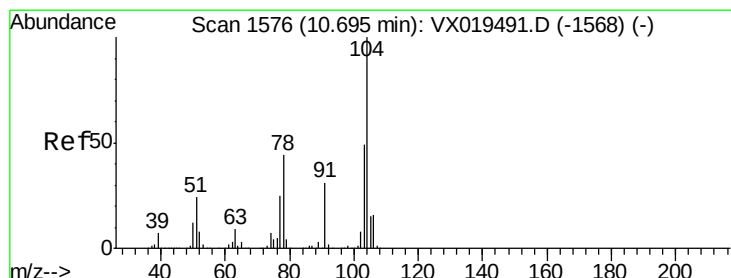
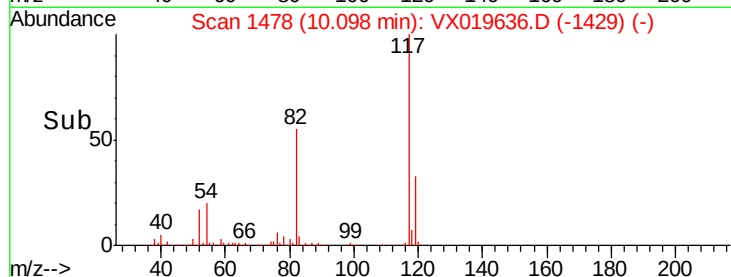
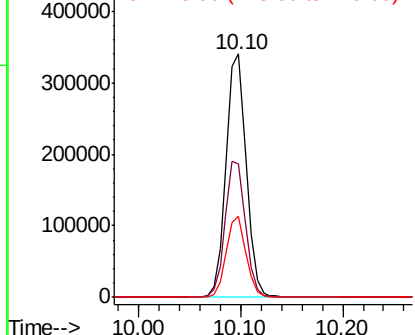
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019636.D
Acq: 25 Nov 2020 03:55

Instrument :
MSVOA_X
ClientSampled :
BFB

Tgt Ion:117 Resp: 466342
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.4
119 33.4 25.6 38.4

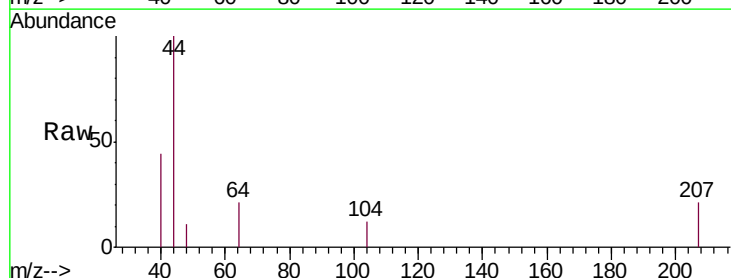


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

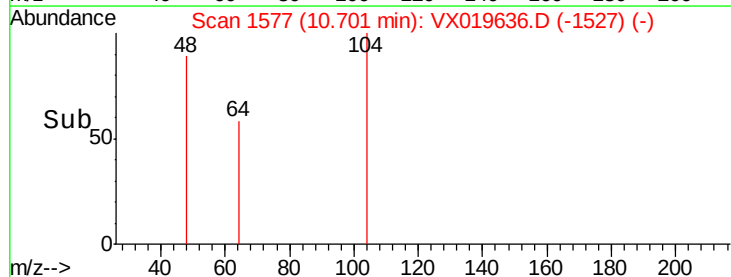
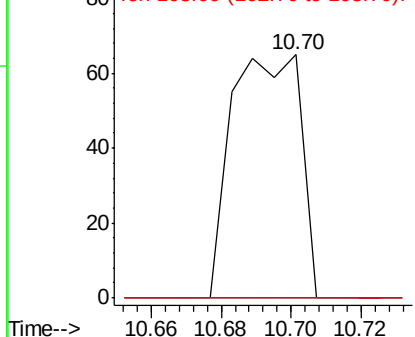


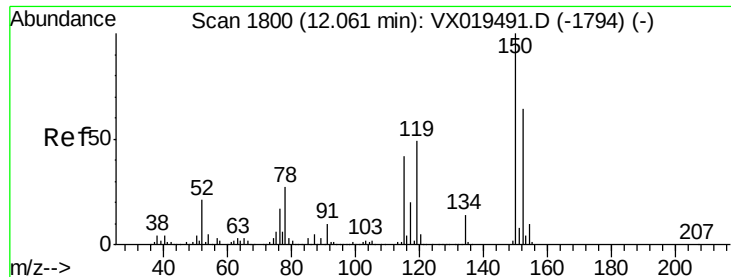
#70
Styrene
Concen: 1.654 ug/l
RT: 10.70 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VX019636.D
Acq: 25 Nov 2020 03:55

Tgt Ion:104 Resp: 89
Ion Ratio Lower Upper
104 100
78 0.0 39.5 59.3#
103 0.0 43.6 65.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019636.D

Acq: 25 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

BFB

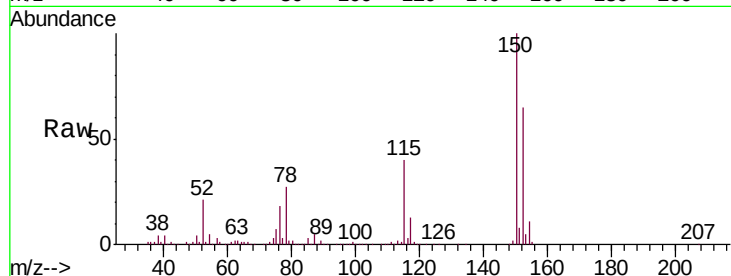
Tgt Ion:152 Resp: 191091

Ion Ratio Lower Upper

152 100

115 60.9 41.8 125.4

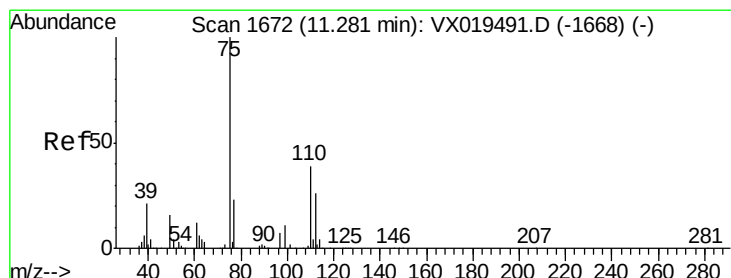
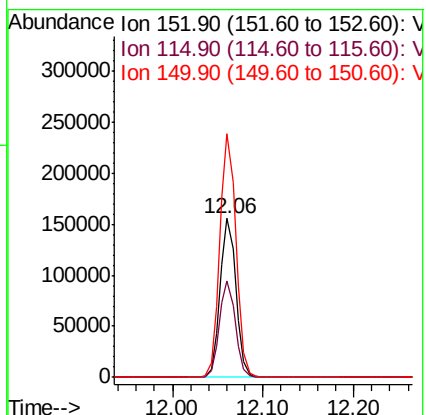
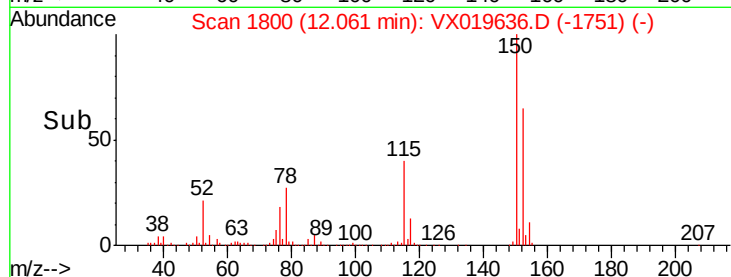
150 155.2 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 25.105 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019636.D

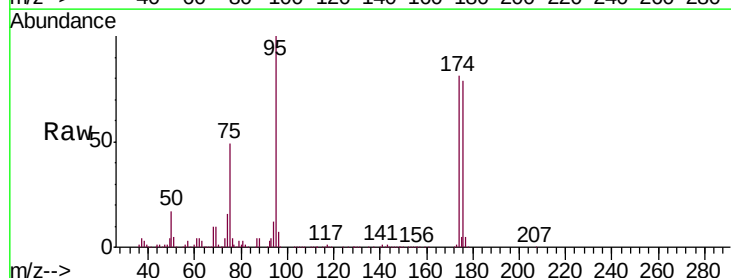
Acq: 25 Nov 2020 03:55

Tgt Ion: 75 Resp: 104694

Ion Ratio Lower Upper

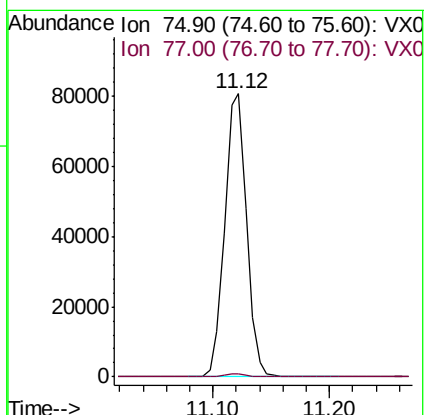
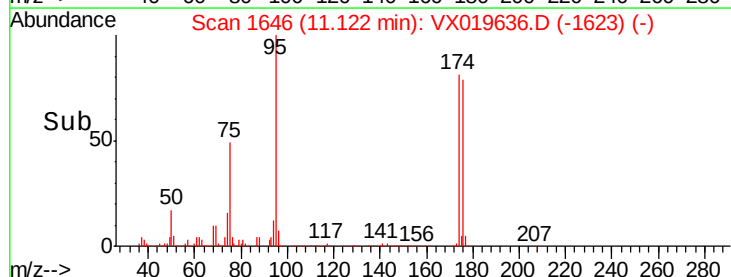
75 100

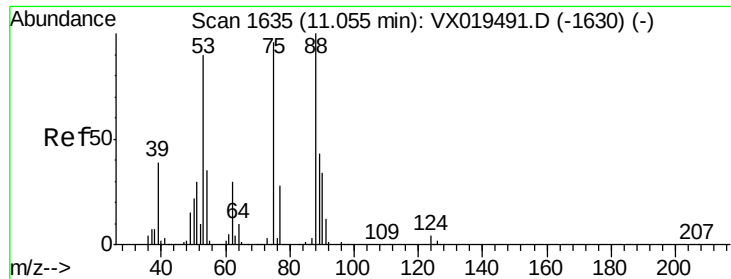
77 1.2 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

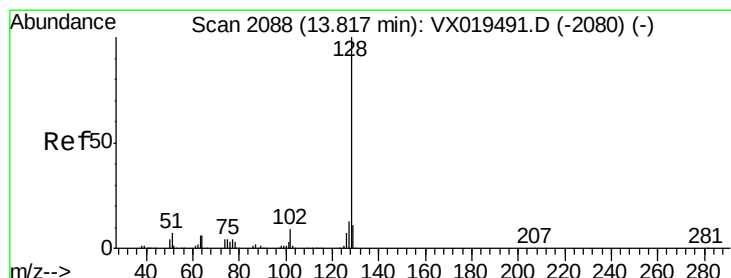
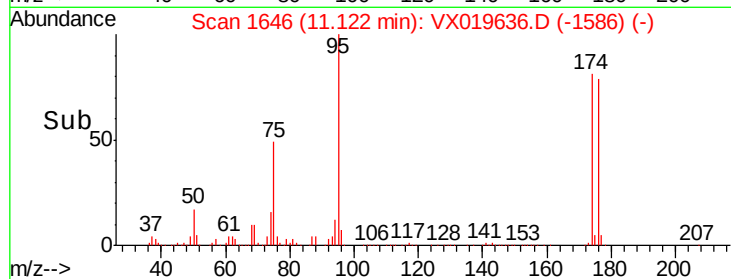
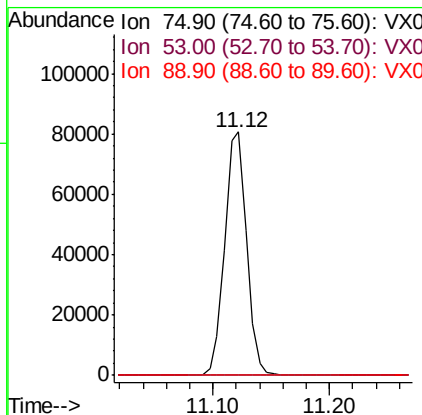
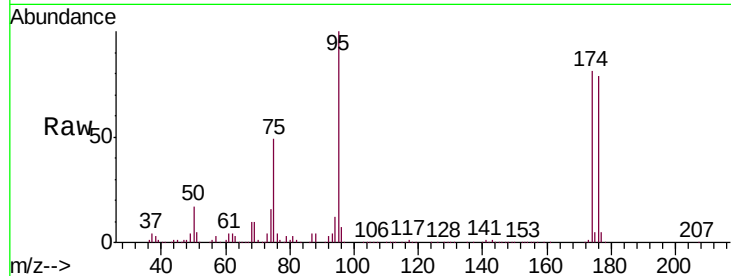




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.299 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019636.D
 Acq: 25 Nov 2020 03:55

Instrument :
 MSVOA_X
 ClientSampled :
 BFB

Tgt Ion: 75 Resp: 104694
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 0.0 37.3 55.9#



#95
 Naphthalene
 Concen: 2.210 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX019636.D
 Acq: 25 Nov 2020 03:55

Tgt Ion: 128 Resp: 466
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.7 13.1#

