

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019307.D
 Acq On : 05 Nov 2020 12:41
 Operator : JC/MD
 Sample : L4634-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 01:07:21 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	282204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	499798	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238987	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	201087	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	
35) Dibromofluoromethane	5.46	113	157008	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	8.70	98	616169	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
62) 4-Bromofluorobenzene	11.12	95	235861	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	

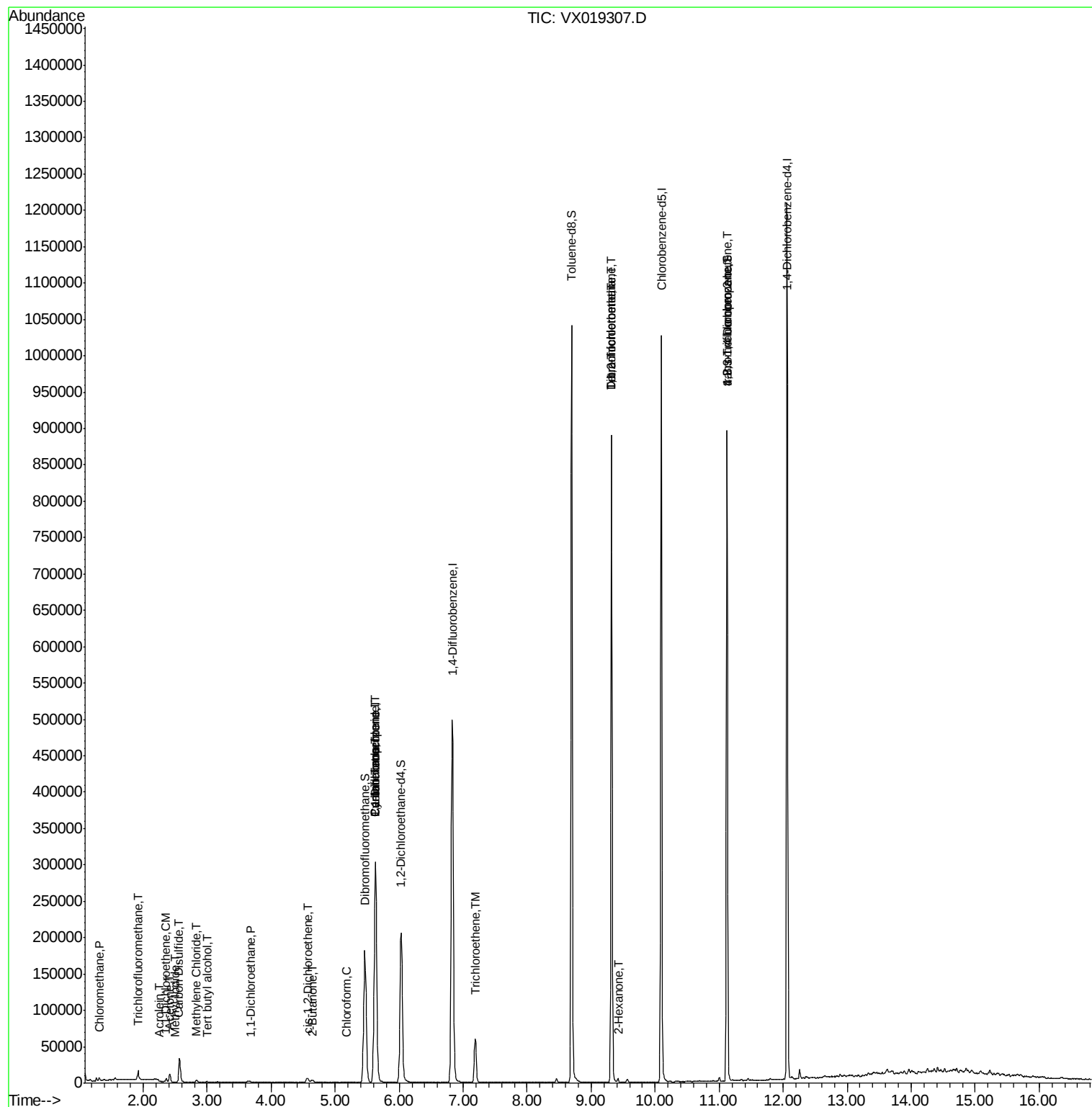
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2380	0.906	ug/l	96
7) Trichlorofluoromethane	1.92	101	7879	1.645	ug/l	94
10) Methyl Iodide	2.50	142	236	6.444	ug/l #	91
11) Tert butyl alcohol	3.00	59	1033	1.437	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	1516	0.554	ug/l #	83
13) Acrolein	2.26	56	86	5.909	ug/l #	1
16) Acetone	2.42	43	11249	8.960	ug/l	94
17) Carbon Disulfide	2.56	76	1062	0.894	ug/l #	90
20) Methylene Chloride	2.83	84	1364	0.433	ug/l	90
24) 1,1-Dichloroethane	3.68	63	1220	0.237	ug/l #	81
25) 2-Butanone	4.64	43	680	0.344	ug/l #	87
27) cis-1,2-Dichloroethene	4.57	96	4277	1.216	ug/l	87
30) Chloroform	5.19	83	1296	0.236	ug/l #	60
31) Cyclohexane	5.63	56	6296	1.369	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23030	4.990	ug/l #	50
38) Carbon Tetrachloride	5.62	117	28643	6.089	ug/l #	17
44) Trichloroethene	7.19	130	22906	6.112	ug/l	93
55) 1,1,2-Trichloroethane	9.32	97	1509	0.453	ug/l #	1
59) 2-Hexanone	9.42	43	3274	1.043	ug/l #	20
60) Dibromochloromethane	9.32	129	159491	44.132	ug/l #	11
64) Tetrachloroethene	9.32	164	160829	45.242	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	121592	24.641	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	121592	64.879	ug/l #	13

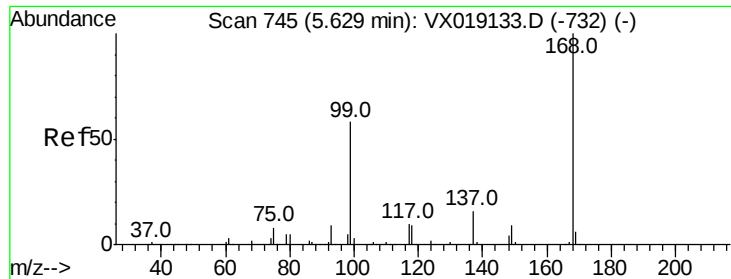
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110620\
Data File : VX019307.D
Acq On : 05 Nov 2020 12:41
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 06 01:07:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019307.D

Acq: 05 Nov 2020 12:41

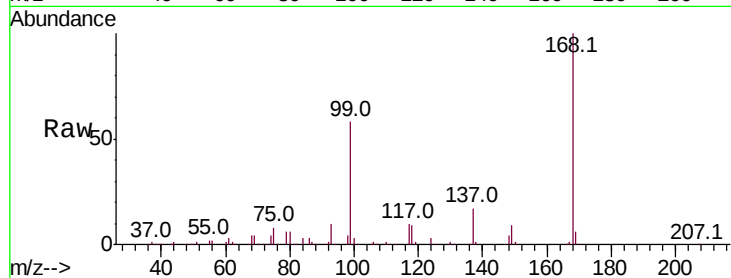
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 282204

Ion Ratio Lower Upper

168 100

99 58.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

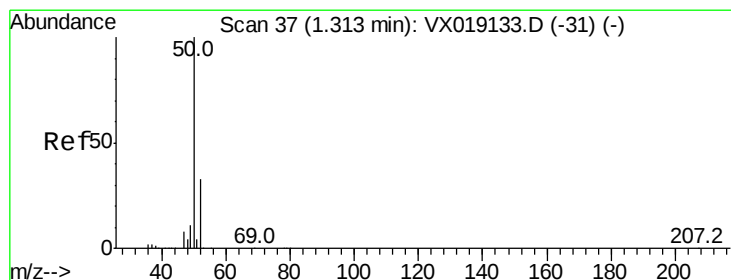
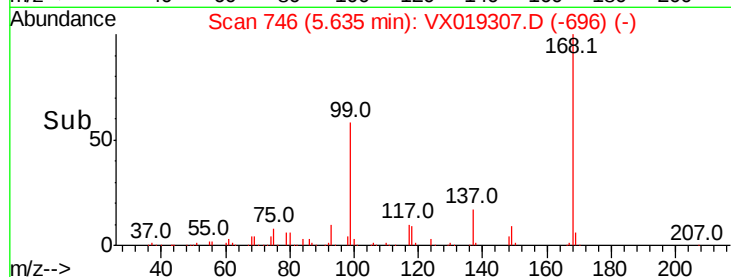
20000

0

5.63

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.906 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019307.D

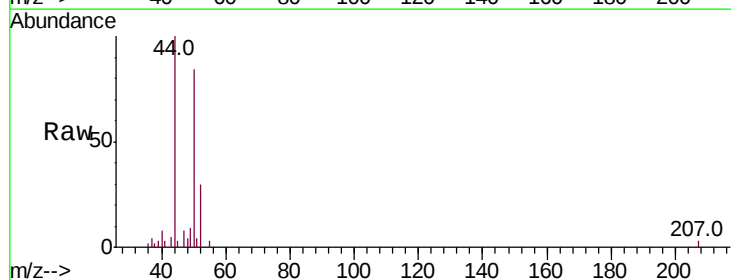
Acq: 05 Nov 2020 12:41

Tgt Ion: 50 Resp: 2380

Ion Ratio Lower Upper

50 100

52 35.7 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

3000

2500

2000

1500

1000

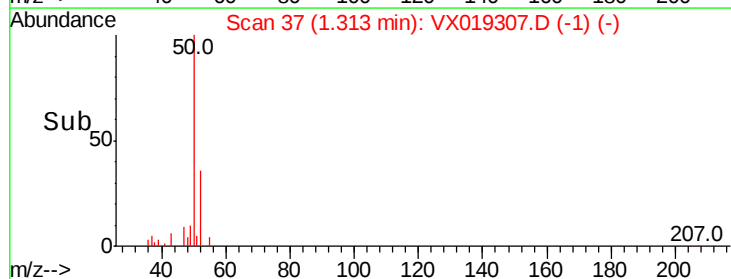
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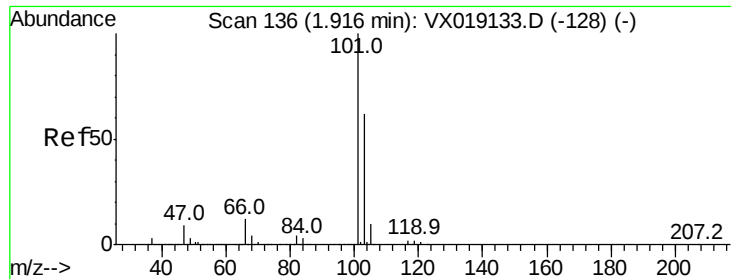
0

1.31

1.30 1.35

Time-->



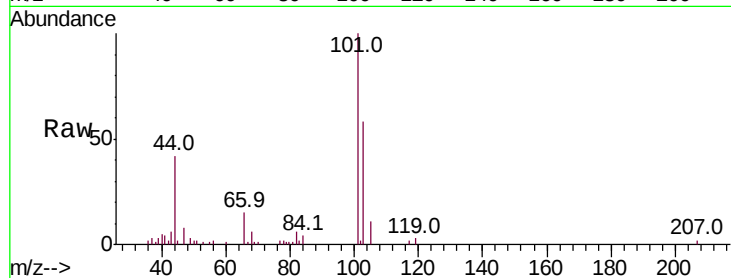


#7

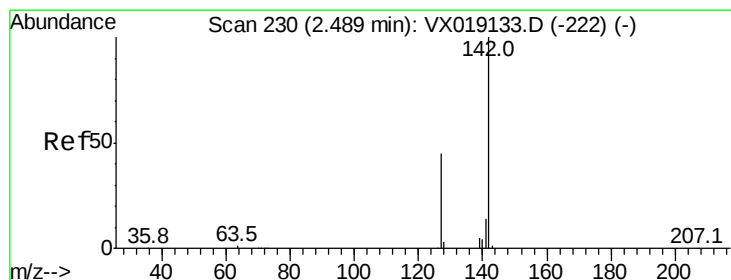
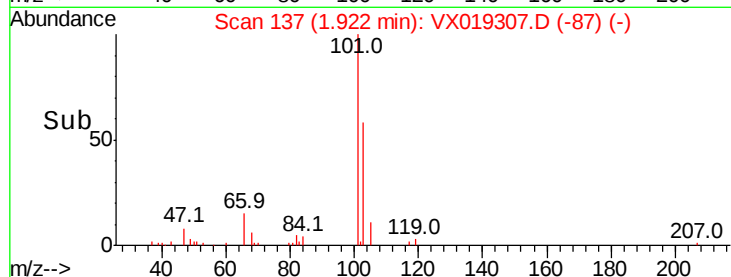
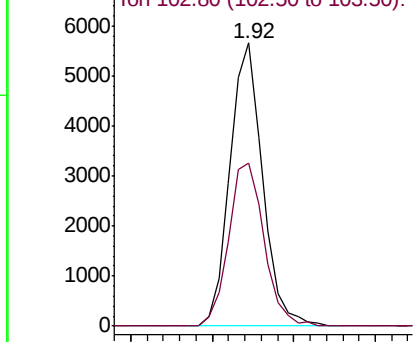
Trichlorofluoromethane
 Concen: 1.645 ug/l
 RT: 1.92 min Scan# 137
 Delta R.T. 0.01 min
 Lab File: VX019307.D
 Acq: 05 Nov 2020 12:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:101 Resp: 7879
 Ion Ratio Lower Upper
 101 100
 103 57.6 50.0 75.0



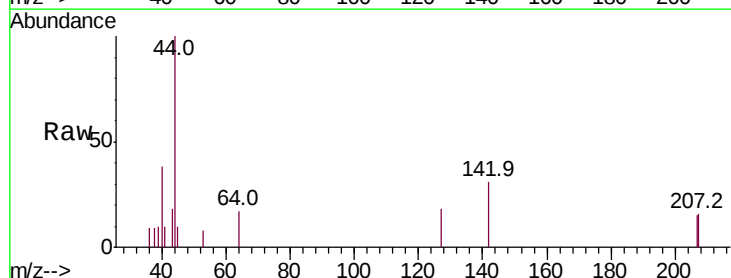
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



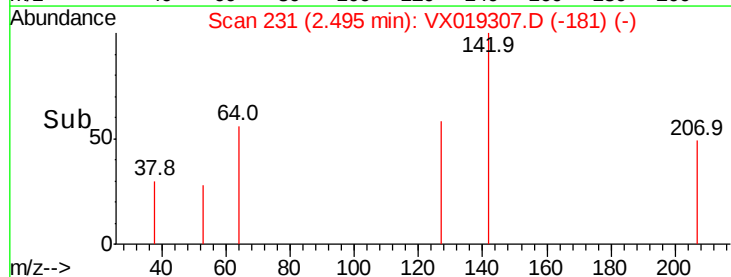
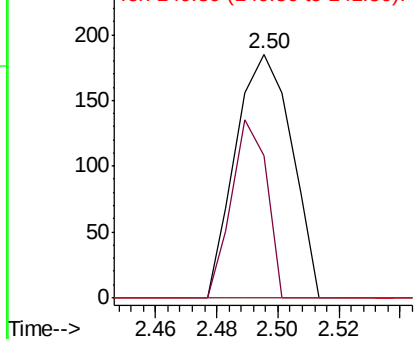
#10

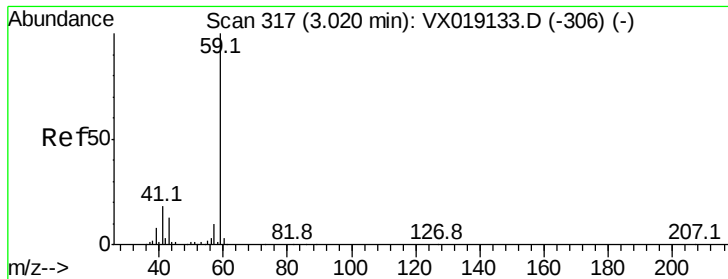
Methyl Iodide
 Concen: 6.444 ug/l
 RT: 2.50 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VX019307.D
 Acq: 05 Nov 2020 12:41

Tgt Ion:142 Resp: 236
 Ion Ratio Lower Upper
 142 100
 127 45.8 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

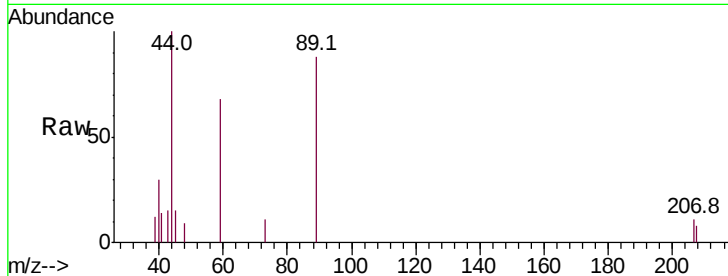




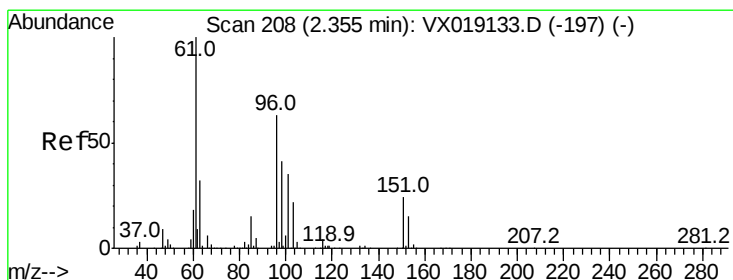
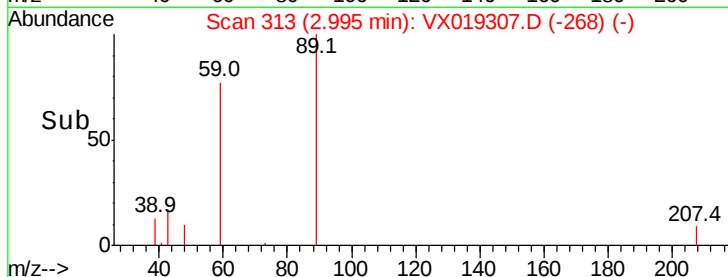
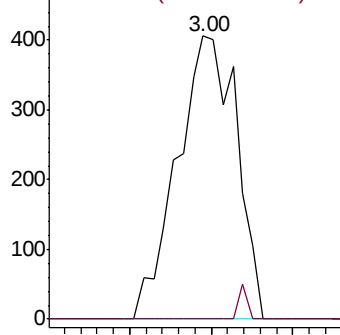
#11
Tert butyl alcohol
Concen: 1.437 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019307.D
Acq: 05 Nov 2020 12:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 59 Resp: 1033
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

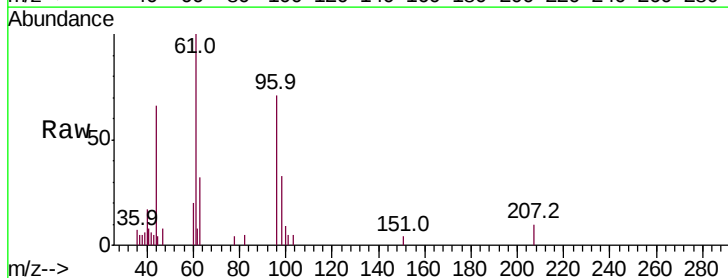


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

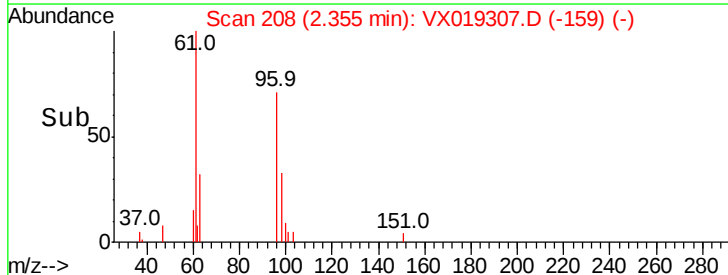
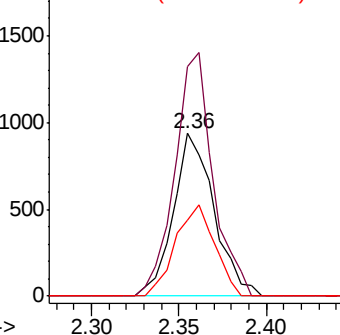


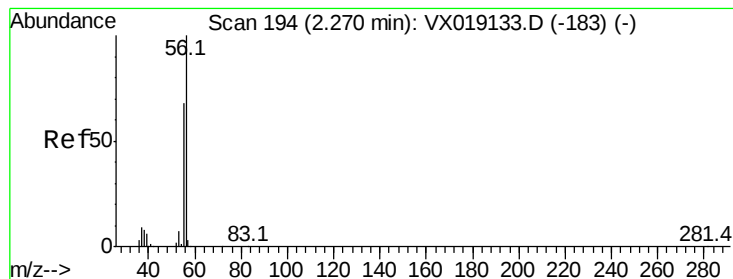
#12
1,1-Dichloroethene
Concen: 0.554 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX019307.D
Acq: 05 Nov 2020 12:41

Tgt Ion: 96 Resp: 1516
Ion Ratio Lower Upper
96 100
61 140.6 127.7 191.5
98 46.9 52.1 78.1#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 5.909 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019307.D

Acq: 05 Nov 2020 12:41

Instrument :

MSVOA_X

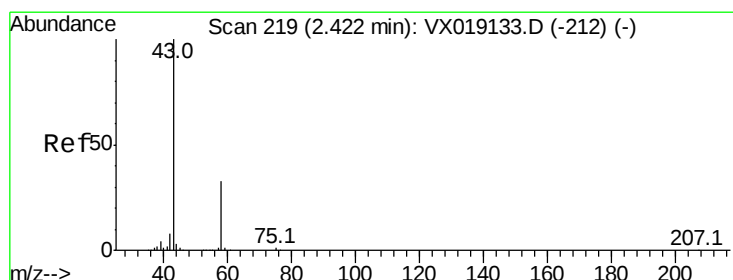
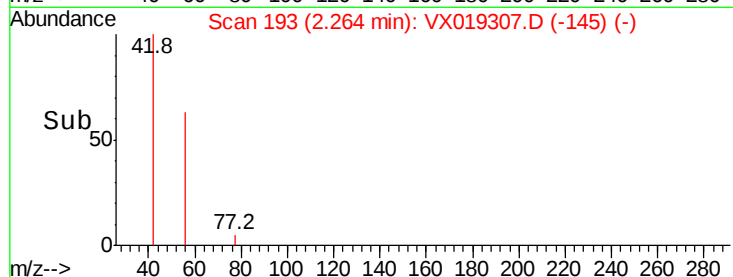
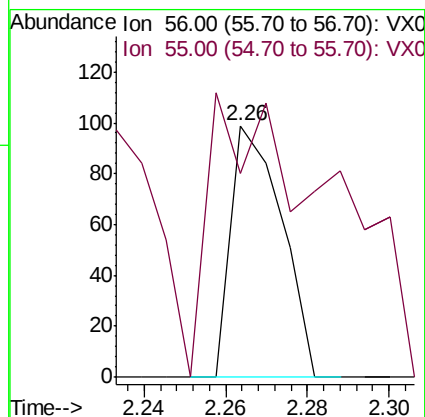
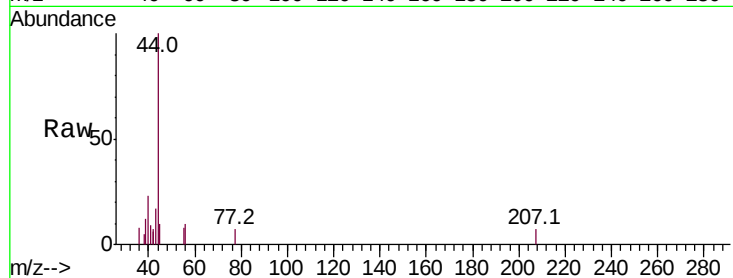
ClientSampleId :

Tot Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

55 272.1 54.7 82.1#



#16

Acetone

Concen: 8.960 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019307.D

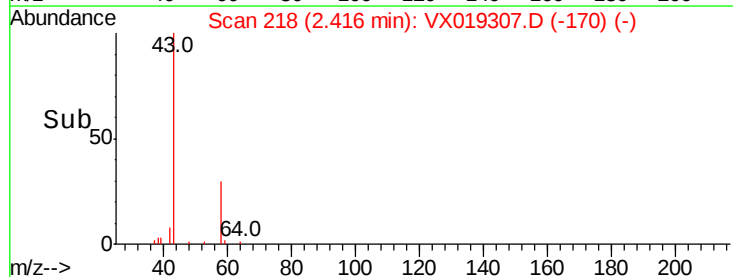
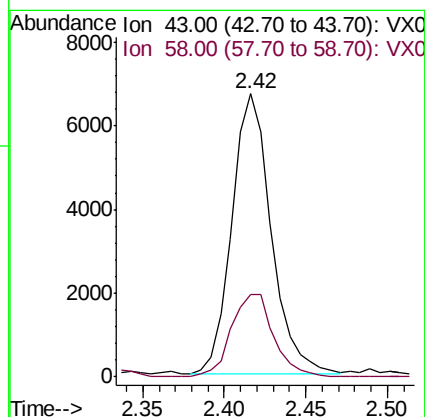
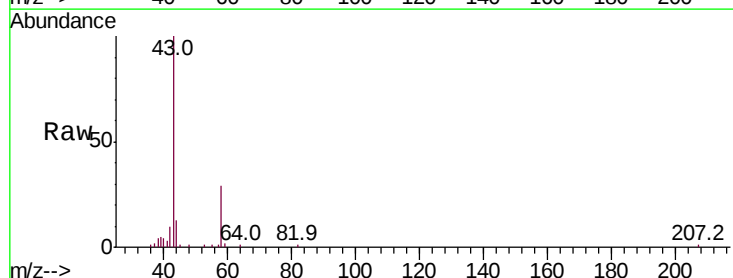
Acq: 05 Nov 2020 12:41

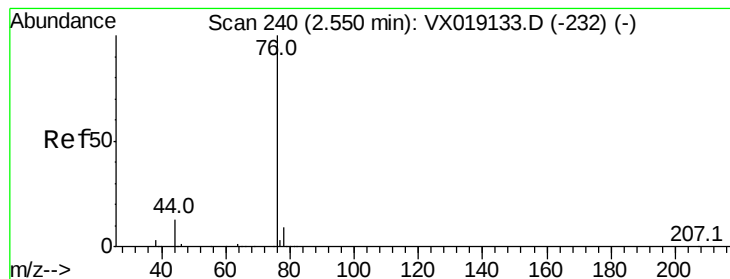
Tgt Ion: 43 Resp: 11249

Ion Ratio Lower Upper

43 100

58 29.3 26.3 39.5





#17

Carbon Disulfide

Concen: 0.894 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019307.D

Acq: 05 Nov 2020 12:41

Instrument :

MSVOA_X

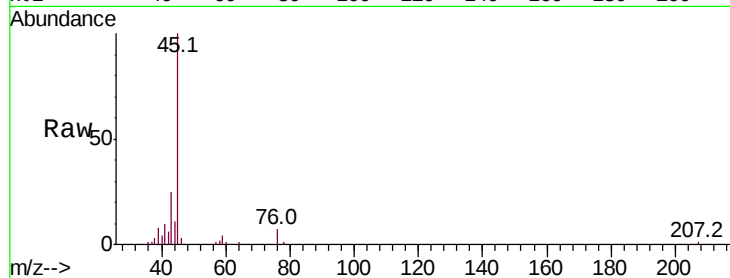
ClientSampleId :

Tot Ion: 76 Resp: 1062

Ion Ratio Lower Upper

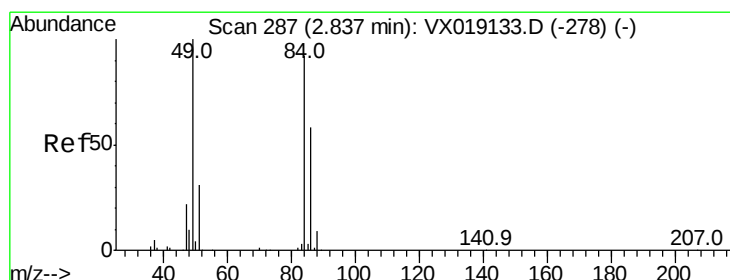
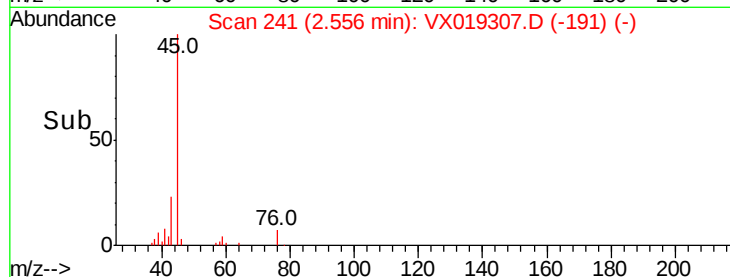
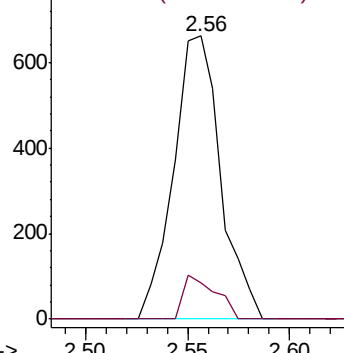
76 100

78 12.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.433 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX019307.D

Acq: 05 Nov 2020 12:41

Tgt Ion: 84 Resp: 1364

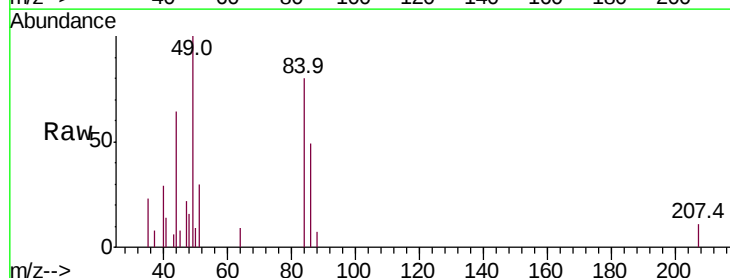
Ion Ratio Lower Upper

84 100

49 125.0 86.8 130.2

51 37.8 27.3 40.9

86 60.9 50.6 76.0

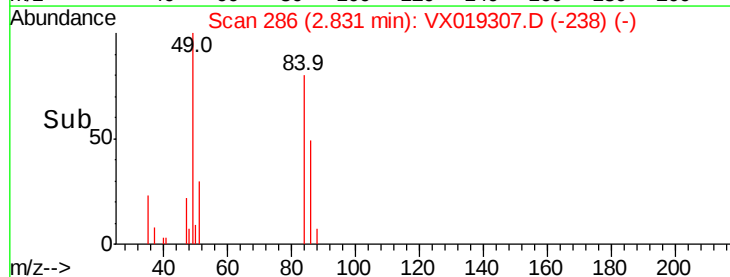
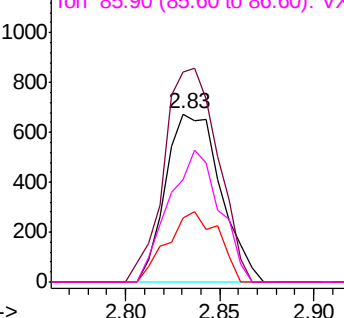


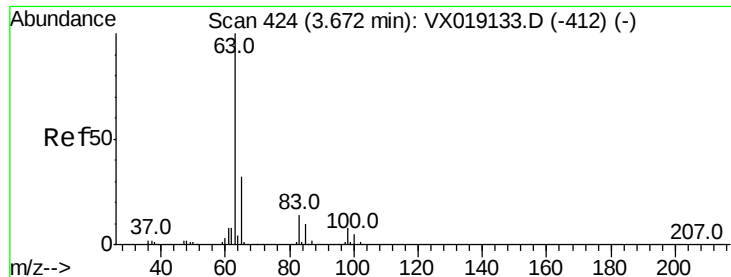
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#24

1,1-Dichloroethane

Concen: 0.237 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX019307.D

Acq: 05 Nov 2020 12:41

Instrument :
MSVOA_X
ClientSampleId :

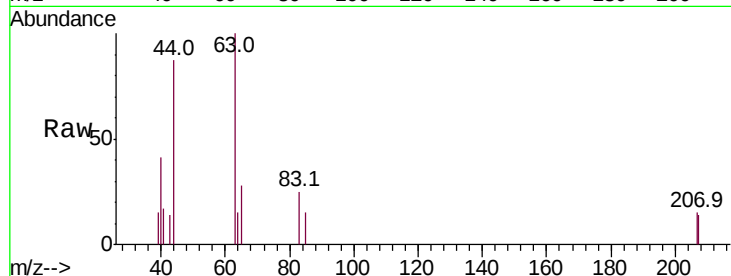
Tot Ion: 63 Resp: 1220

Ion Ratio Lower Upper

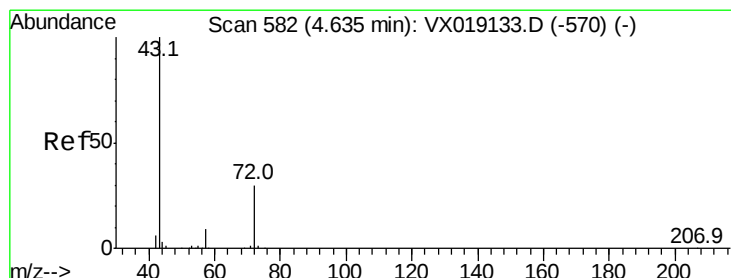
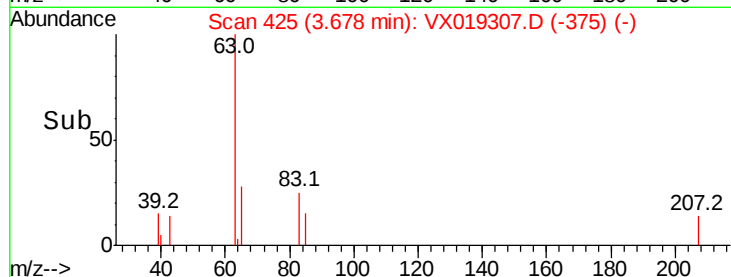
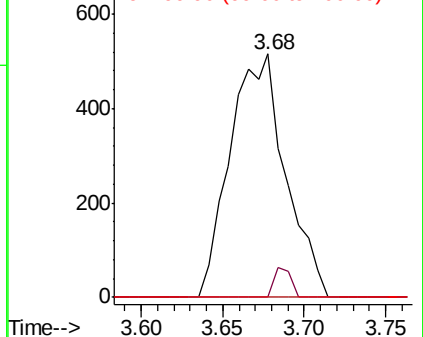
63 100

98 0.0 3.8 11.4#

100 0.0 2.4 7.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 0.344 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019307.D

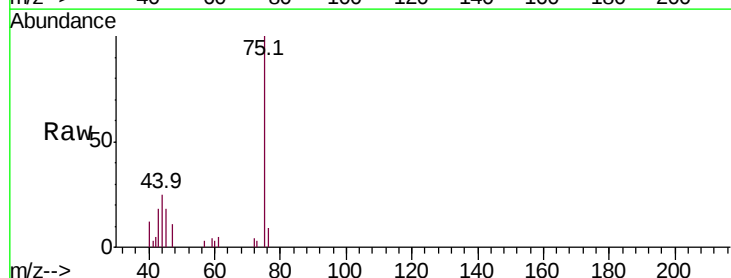
Acq: 05 Nov 2020 12:41

Tgt Ion: 43 Resp: 680

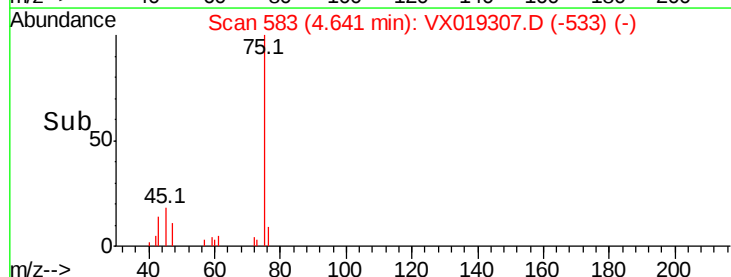
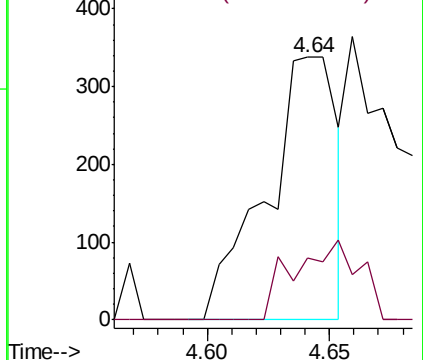
Ion Ratio Lower Upper

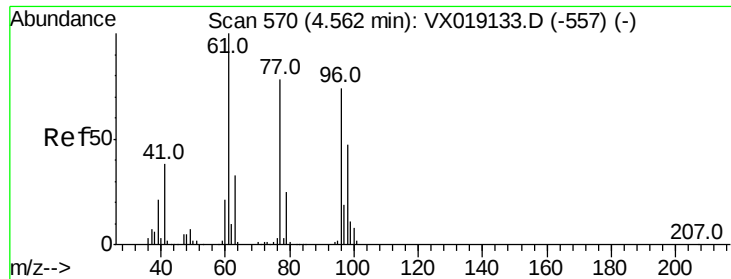
43 100

72 23.4 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

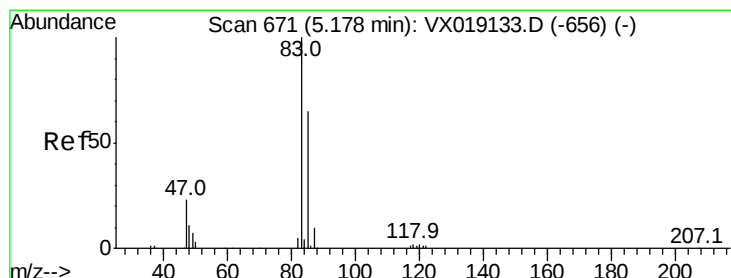
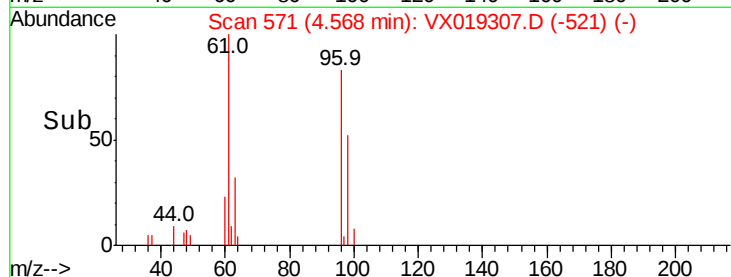
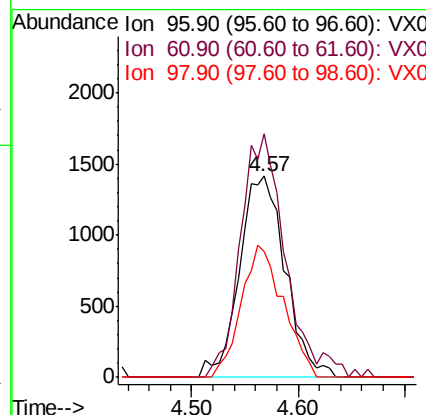
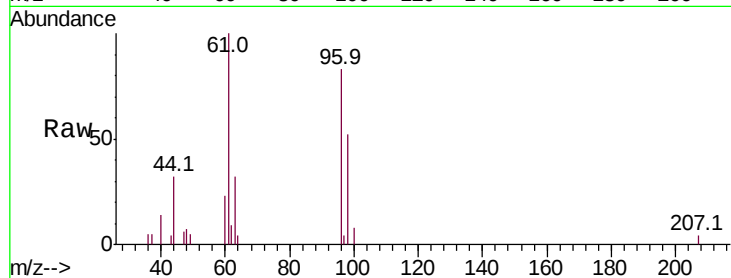




#27
 cis-1,2-Dichloroethene
 Concen: 1.216 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX019307.D
 Acq: 05 Nov 2020 12:41

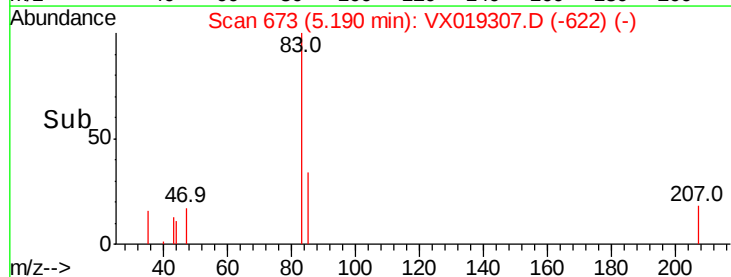
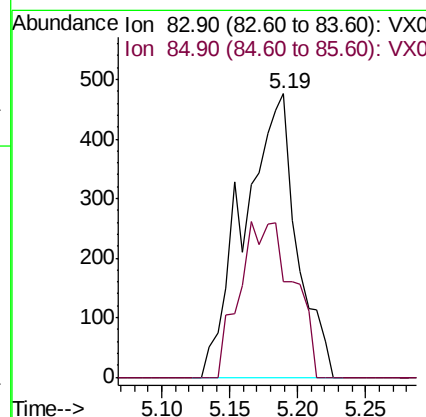
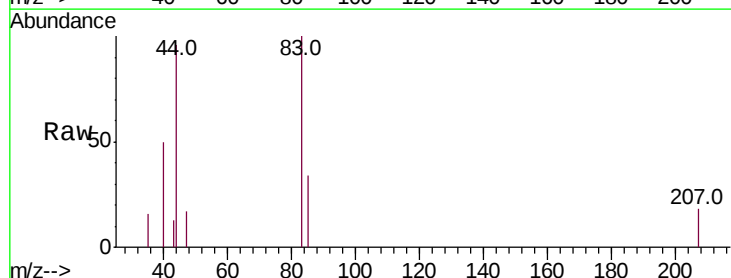
Instrument :
 MSVOA_X
 ClientSampled :

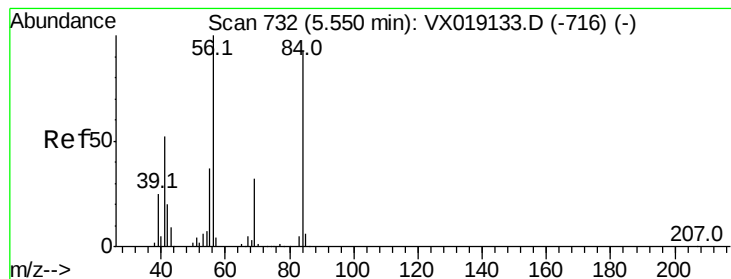
Tot Ion: 96 Resp: 4277
 Ion Ratio Lower Upper
 96 100
 61 118.9 0.0 278.8
 98 60.2 0.0 130.2



#30
 Chloroform
 Concen: 0.236 ug/l
 RT: 5.19 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VX019307.D
 Acq: 05 Nov 2020 12:41

Tgt Ion: 83 Resp: 1296
 Ion Ratio Lower Upper
 83 100
 85 33.6 51.9 77.9#





#31

Cyclohexane

Concen: 1.369 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019307.D

Acq: 05 Nov 2020 12:41

Instrument :
MSVOA_X
ClientSampled :

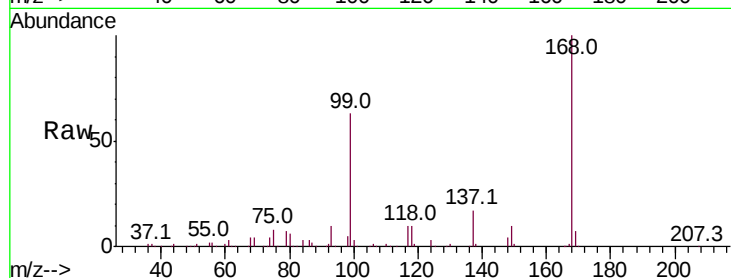
Tot Ion: 56 Resp: 6296

Ion Ratio Lower Upper

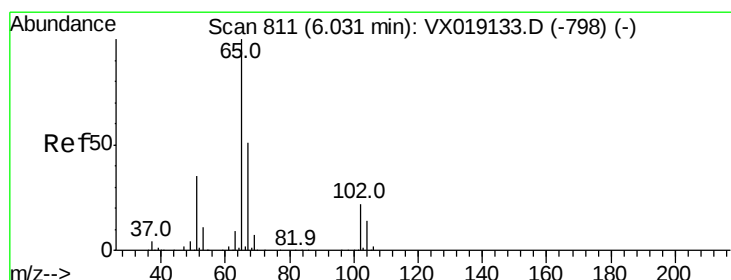
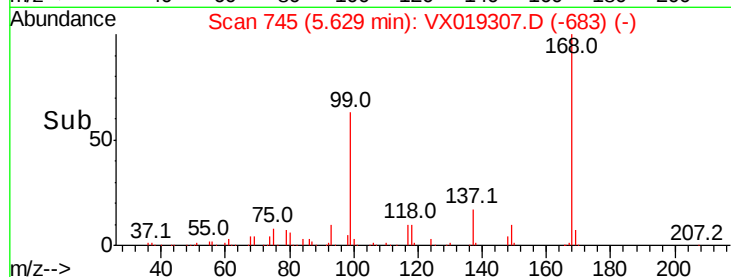
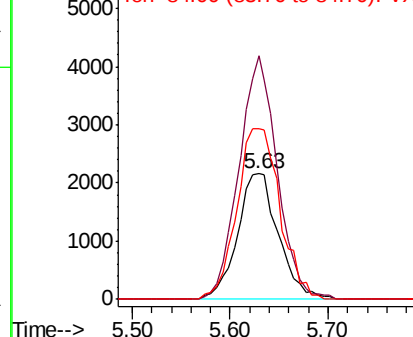
56 100

69 194.2 25.9 38.9#

84 136.6 73.4 110.2#



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: 55.253 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019307.D

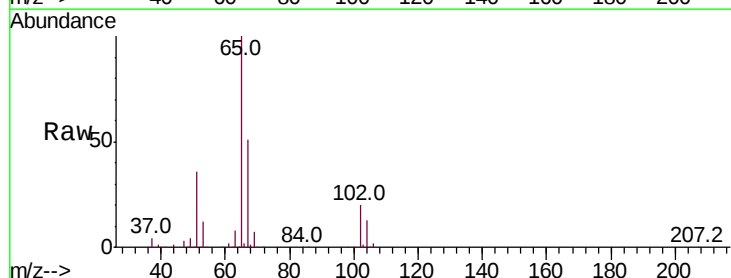
Acq: 05 Nov 2020 12:41

Tgt Ion: 65 Resp: 201087

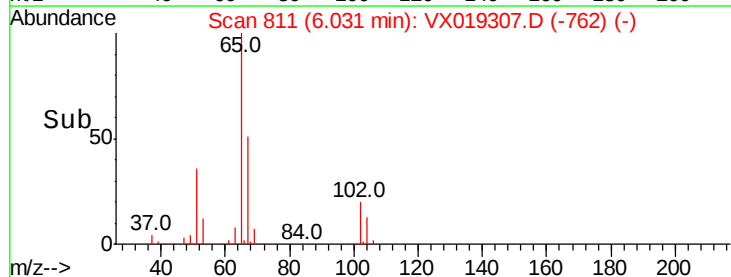
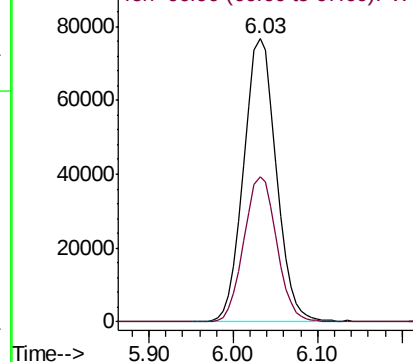
Ion Ratio Lower Upper

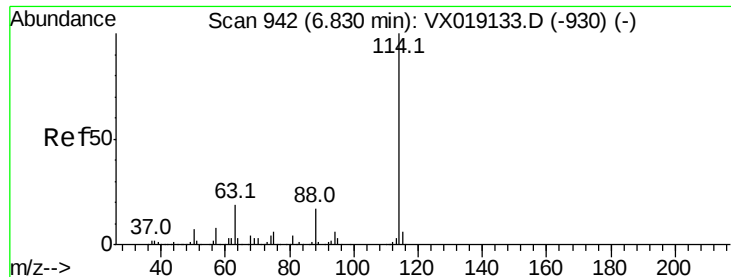
65 100

67 51.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

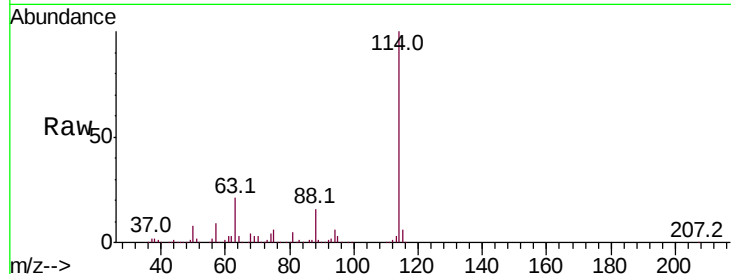




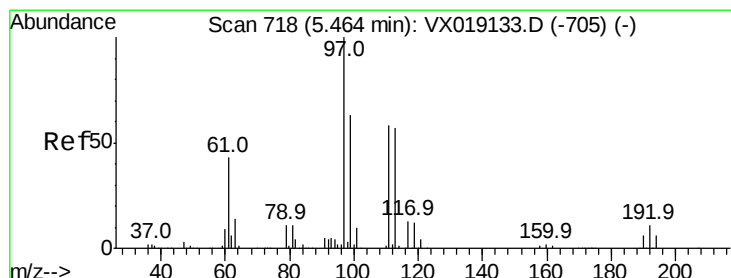
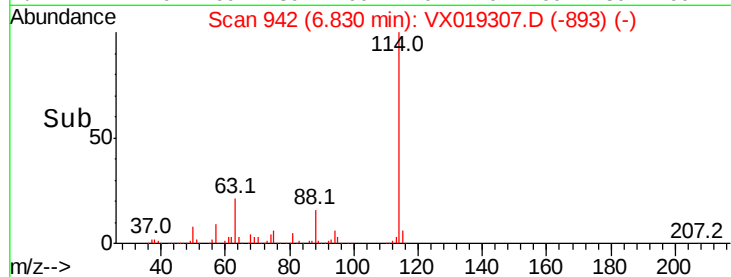
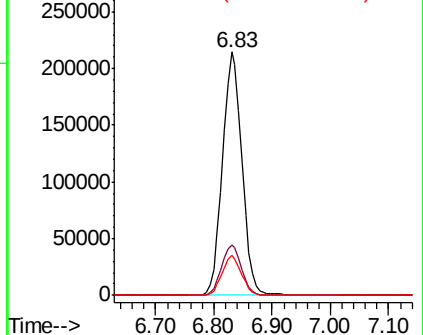
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019307.D
 Acq: 05 Nov 2020 12:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 499798
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 38.8
 88 16.4 0.0 34.2

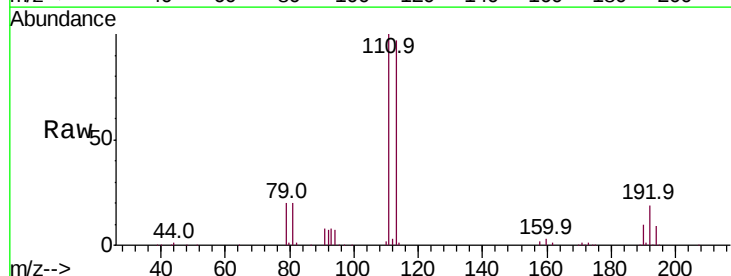


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

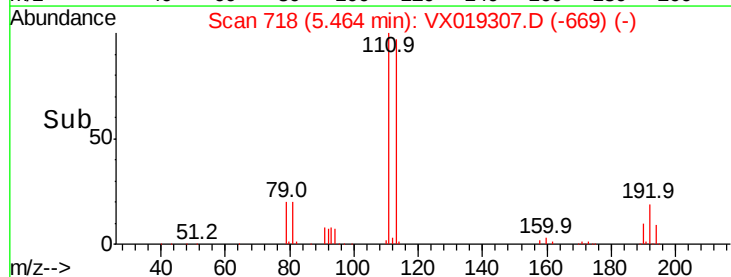
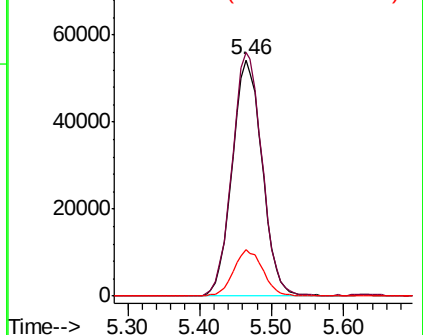


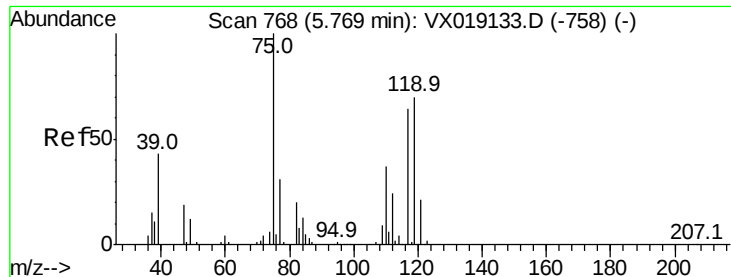
#35
 Dibromofluoromethane
 Concen: 50.012 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019307.D
 Acq: 05 Nov 2020 12:41

Tgt Ion:113 Resp: 157008
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.3 123.5
 192 19.1 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

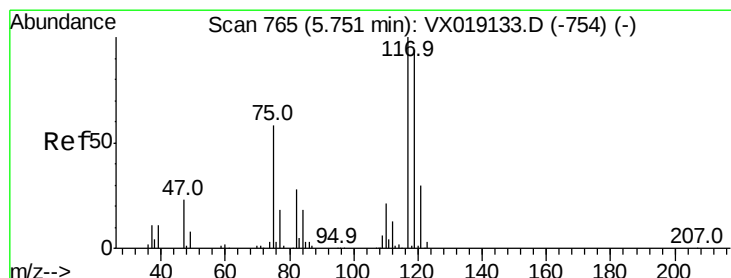
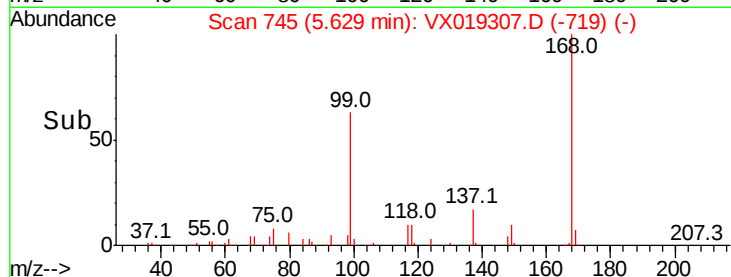
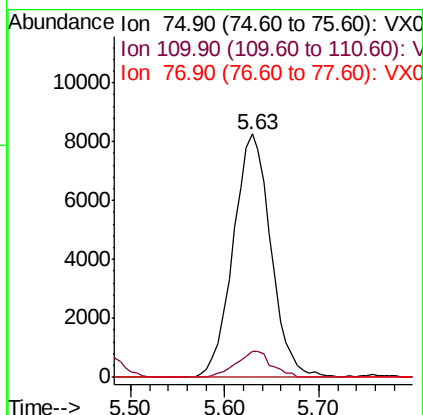
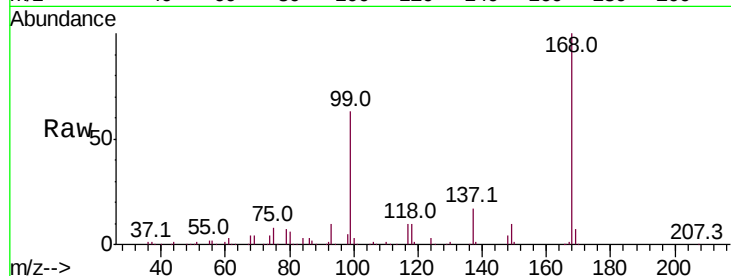




#36
 1,1-Dichloropropene
 Concen: 4.990 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019307.D
 Acq: 05 Nov 2020 12:41

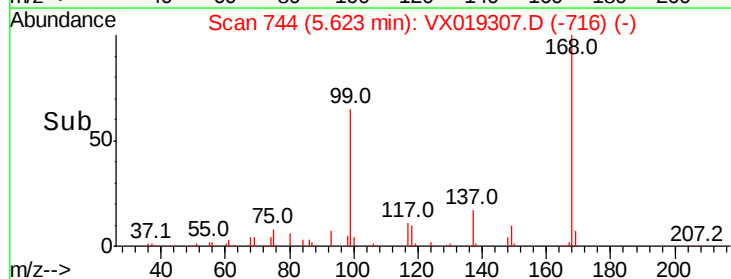
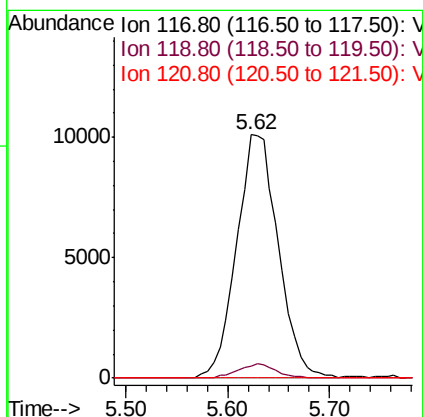
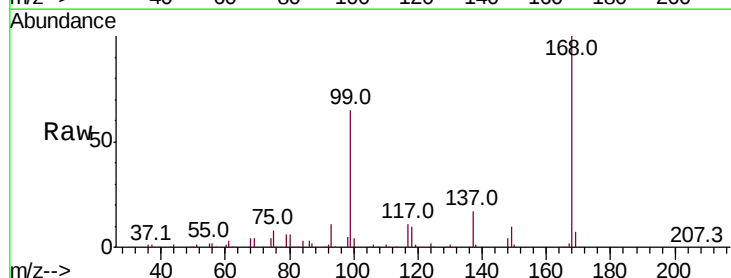
Instrument :
 MSVOA_X
 ClientSampled :

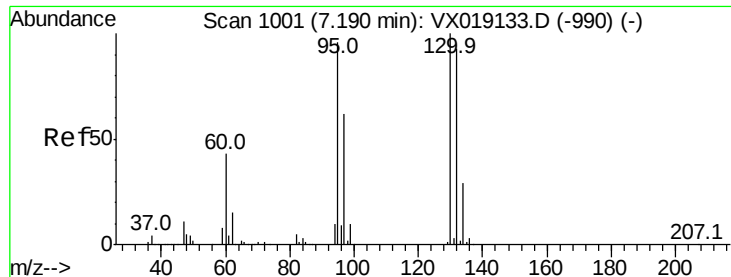
Tot Ion: 75 Resp: 23030
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.3 54.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.089 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX019307.D
 Acq: 05 Nov 2020 12:41

Tgt Ion: 117 Resp: 28643
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.0 112.6#
 121 0.0 23.9 35.9#





#44

Trichloroethene

Concen: 6.112 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019307.D

Acq: 05 Nov 2020 12:41

Instrument :

MSVOA_X

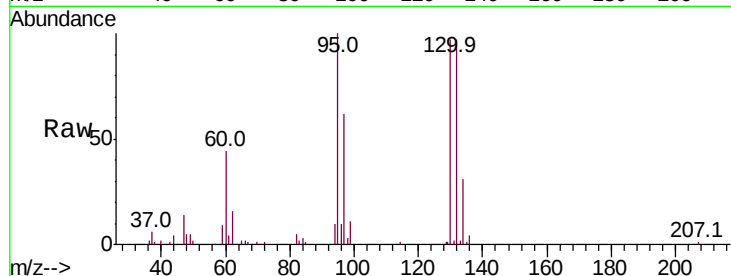
ClientSampled :

Tot Ion:130 Resp: 22906

Ion Ratio Lower Upper

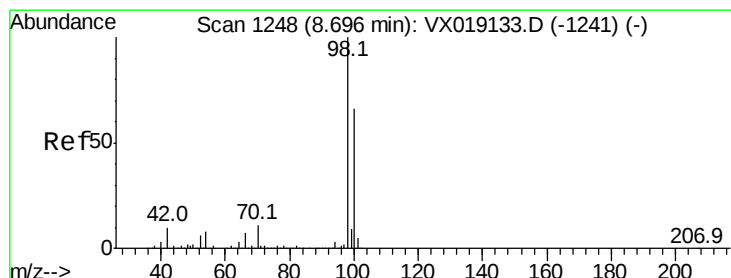
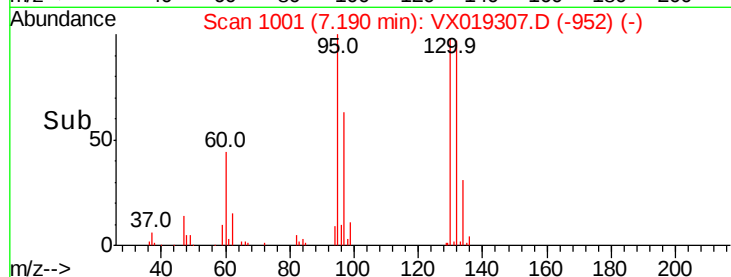
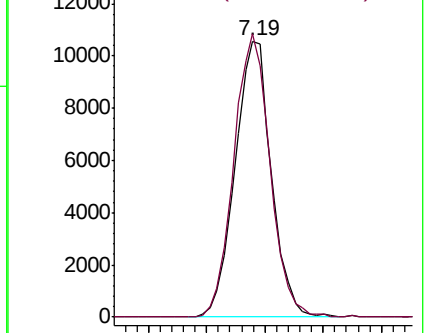
130 100

95 102.6 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.065 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019307.D

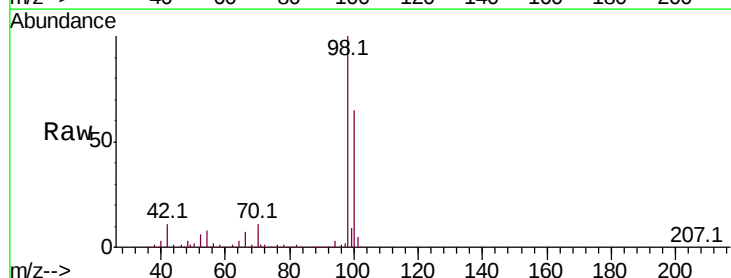
Acq: 05 Nov 2020 12:41

Tgt Ion: 98 Resp: 616169

Ion Ratio Lower Upper

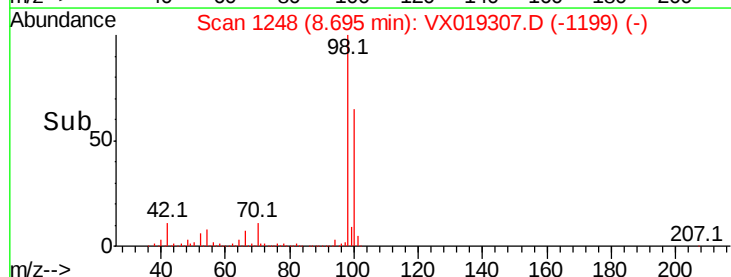
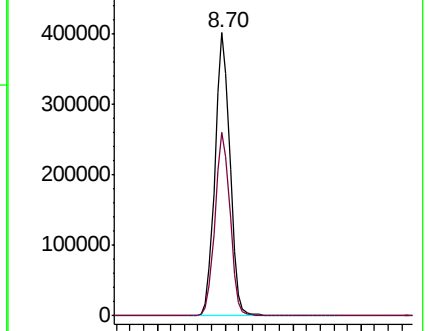
98 100

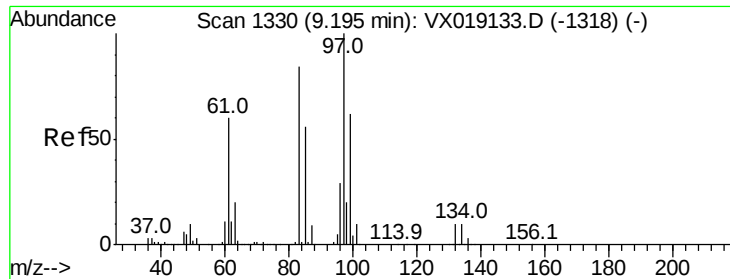
100 65.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#55

1,1,2-Trichloroethane

Concen: 0.453 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.12 min

Lab File: VX019307.D

Acq: 05 Nov 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 1509

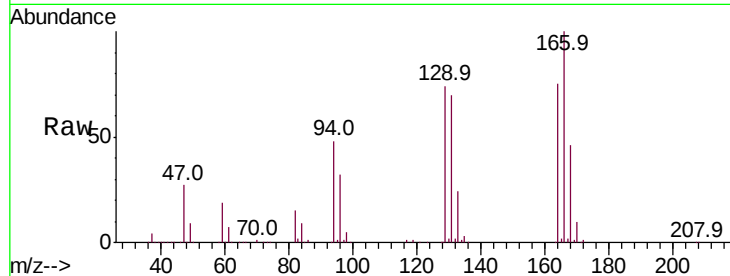
Ion Ratio Lower Upper

97 100

83 272.9 67.2 100.8#

85 51.3 44.6 67.0

99 15.9 49.4 74.0#

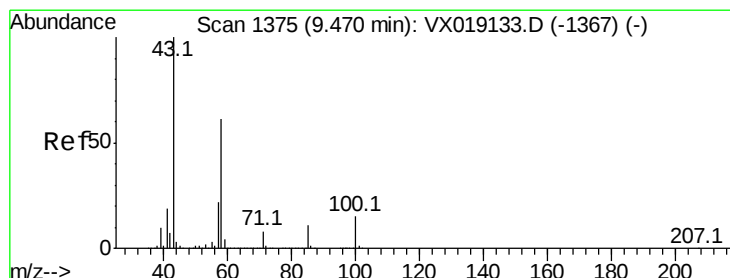
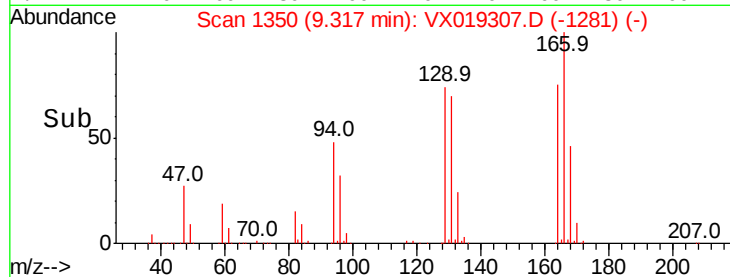
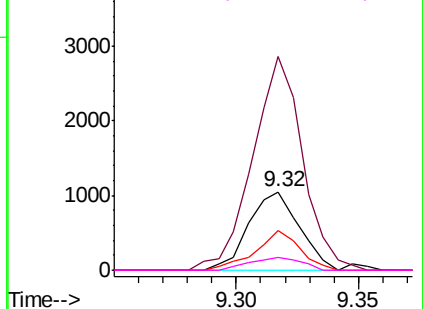


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#59

2-Hexanone

Concen: 1.043 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VX019307.D

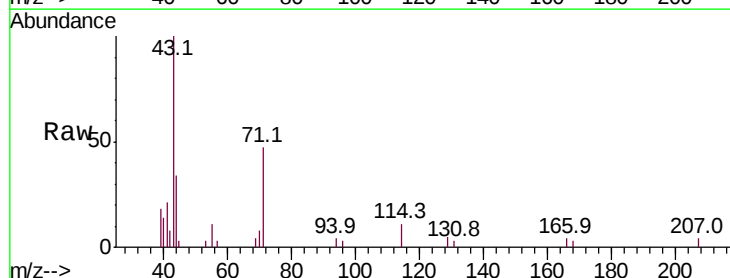
Acq: 05 Nov 2020 12:41

Tgt Ion: 43 Resp: 3274

Ion Ratio Lower Upper

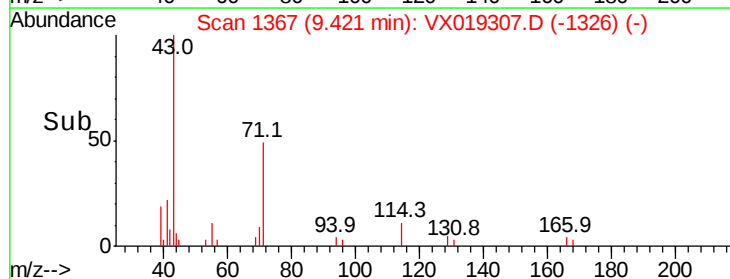
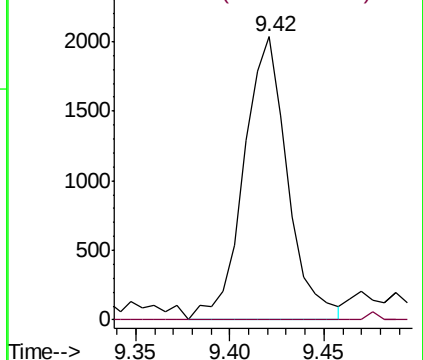
43 100

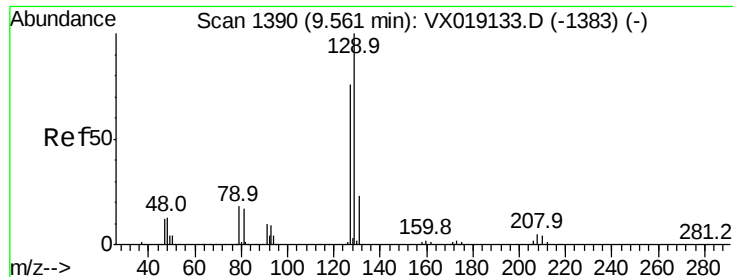
58 0.0 30.5 91.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 44.132 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019307.D

Acq: 05 Nov 2020 12:41

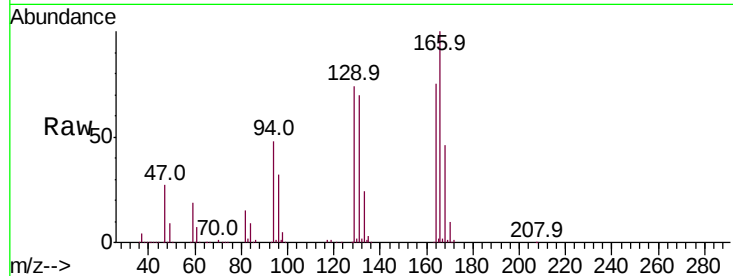
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 159491

Ion Ratio Lower Upper

129 100

127 0.1 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

120000

100000

80000

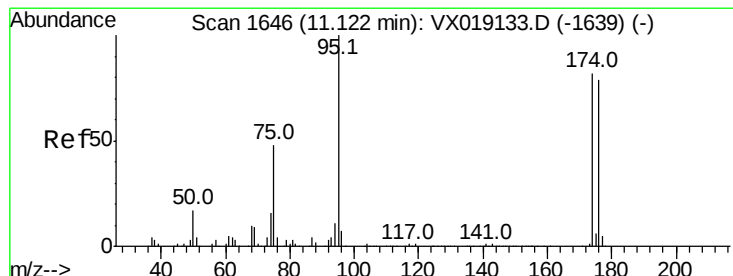
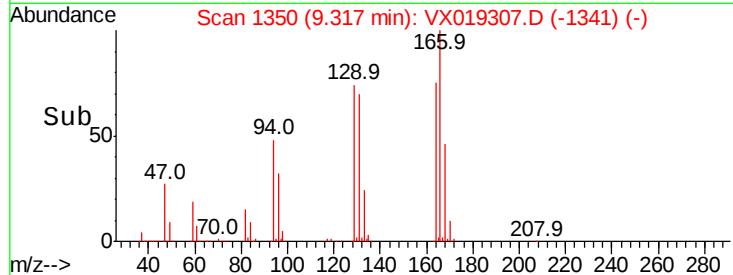
60000

40000

20000

0

Time--> 9.20 9.30 9.40



#62

4-Bromofluorobenzene

Concen: 52.626 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019307.D

Acq: 05 Nov 2020 12:41

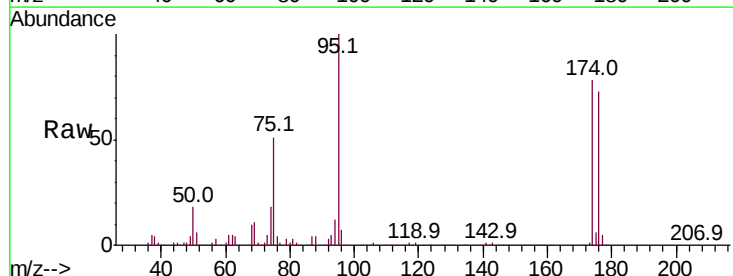
Tgt Ion: 95 Resp: 235861

Ion Ratio Lower Upper

95 100

174 75.0 0.0 156.0

176 72.7 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

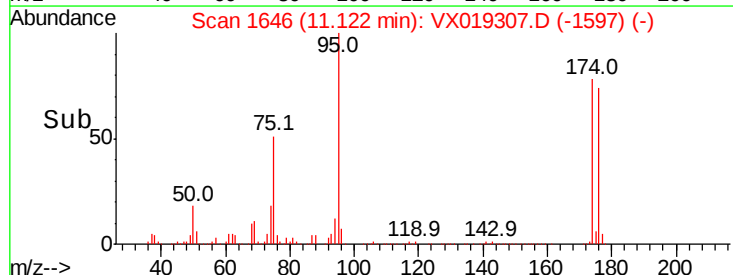
150000

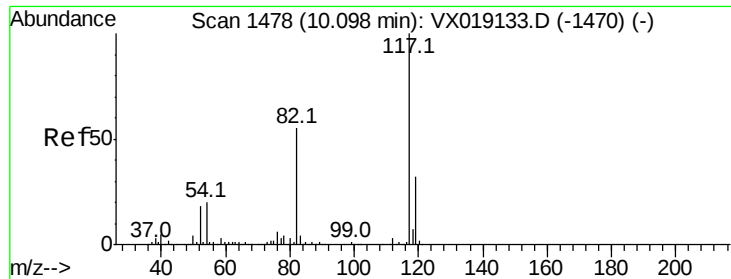
100000

50000

0

Time--> 11.00 11.10 11.20

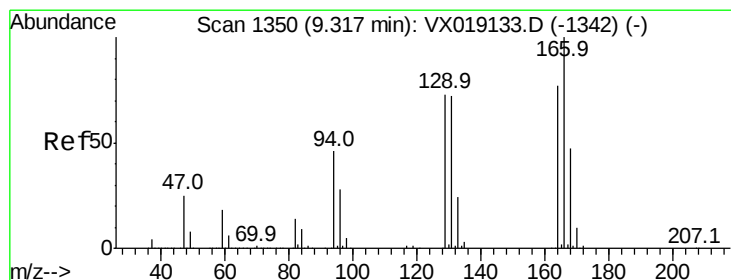
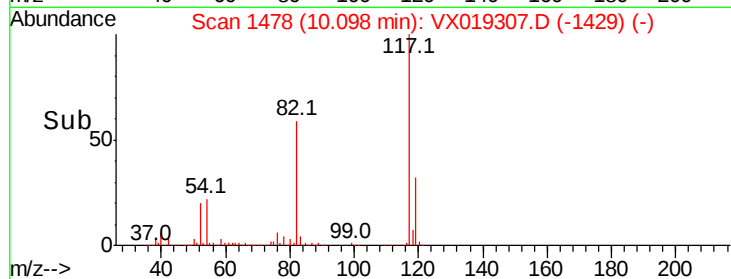
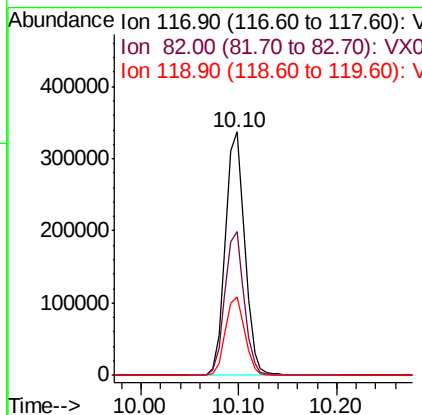
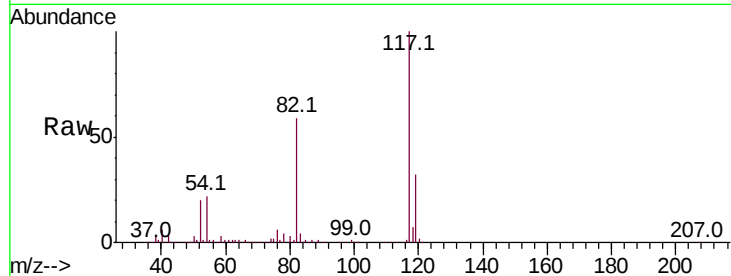




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019307.D
Acq: 05 Nov 2020 12:41

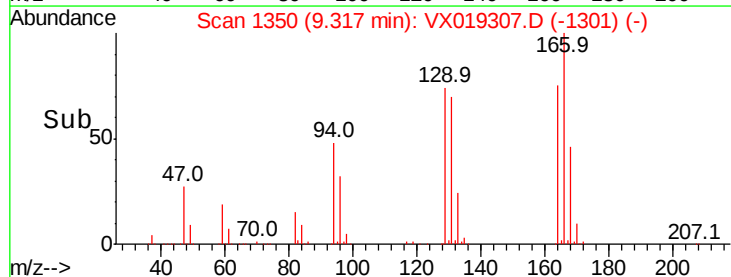
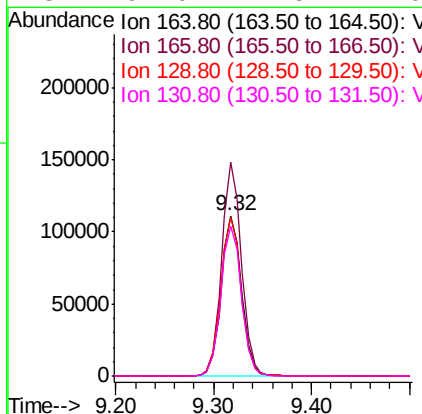
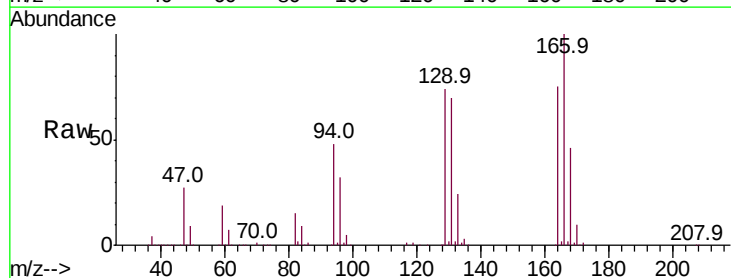
Instrument :
MSVOA_X
ClientSampleId :

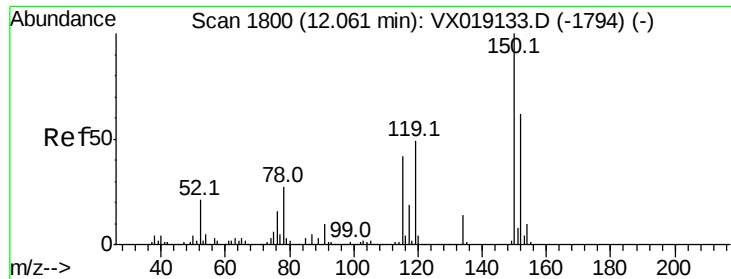
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	43.6	65.4
119	32.3	25.5	38.3



#64
Tetrachloroethene
Concen: 45.242 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019307.D
Acq: 05 Nov 2020 12:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.5	104.1	156.1
129	99.2	76.2	114.4
131	94.0	74.6	112.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019307.D

Acq: 05 Nov 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

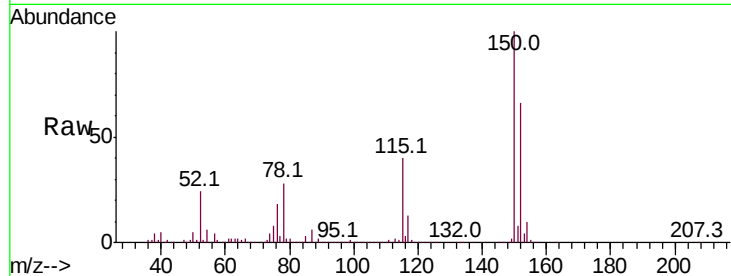
Tot Ion:152 Resp: 238987

Ion Ratio Lower Upper

152 100

115 61.2 41.9 125.7

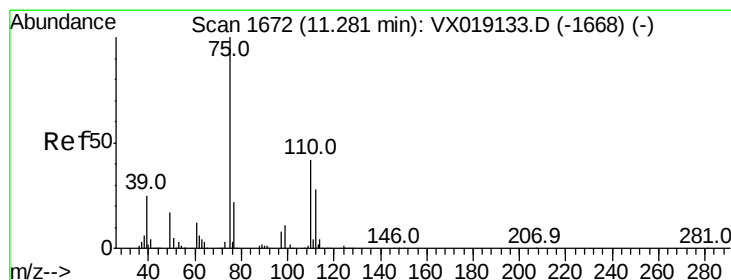
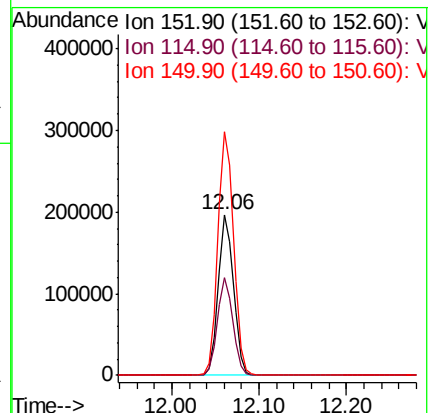
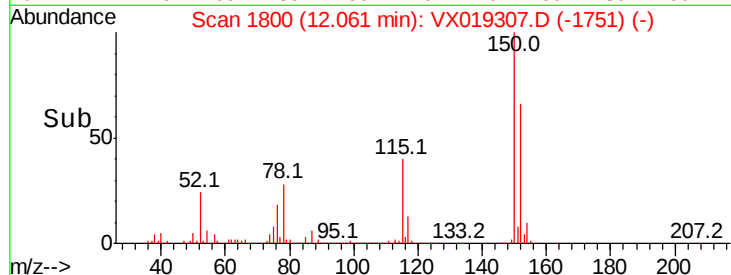
150 155.6 0.0 347.8



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



#76

1,2,3-Trichloropropane

Concen: 24.641 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019307.D

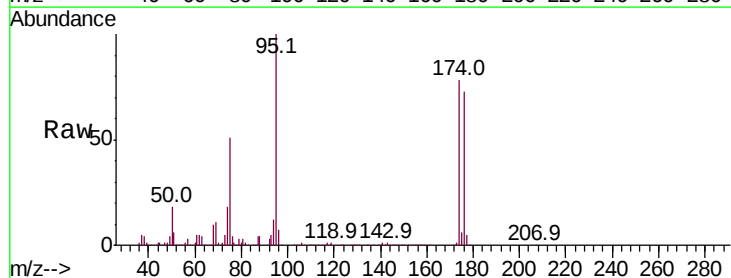
Acq: 05 Nov 2020 12:41

Tgt Ion: 75 Resp: 121592

Ion Ratio Lower Upper

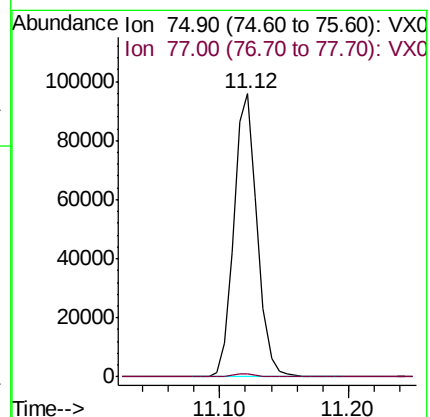
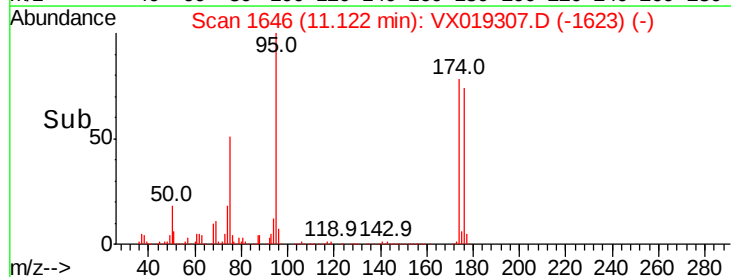
75 100

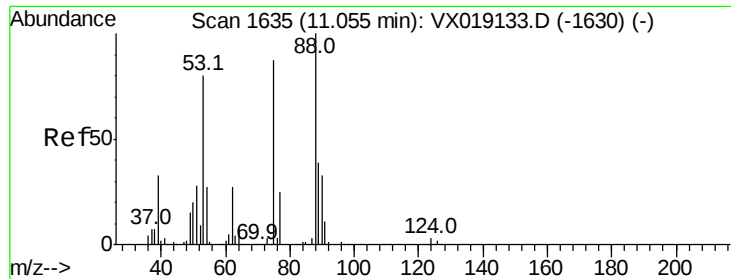
77 1.4 20.3 60.9#



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: 64.879 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019307.D
 Acq: 05 Nov 2020 12:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 121592
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.3 109.9#
 89 0.0 38.2 57.2#

