

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019305.D
 Acq On : 05 Nov 2020 11:56
 Operator : JC/MD
 Sample : L4621-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 01:07:07 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	279139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	490508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	452770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222188	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	197499	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	5.46	113	155255	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	8.70	98	596564	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.12	95	223815	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

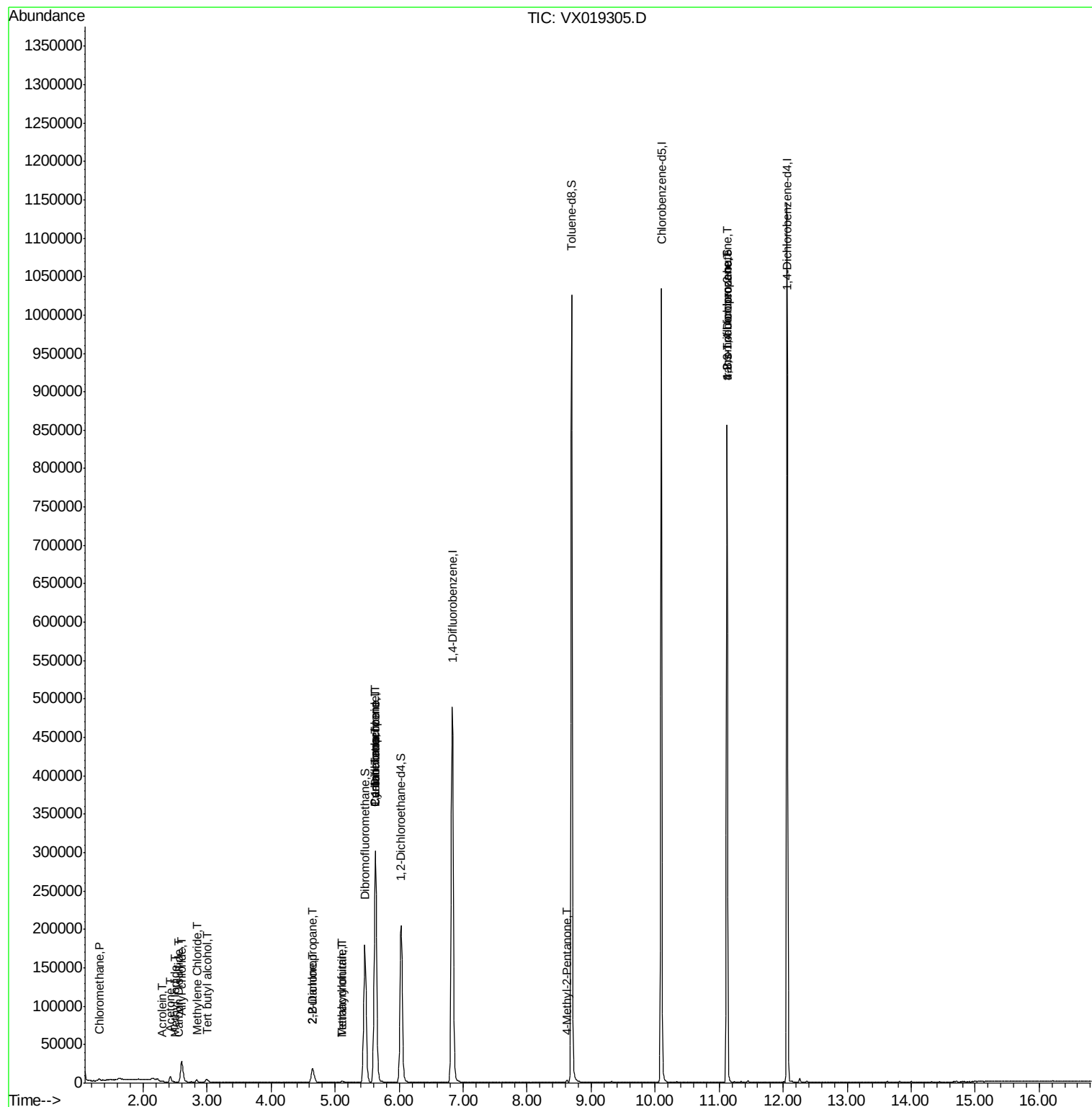
						Qvalue
3) Chloromethane	1.31	50	1321	0.508	ug/l	93
10) Methyl Iodide	2.50	142	284	6.458	ug/l #	89
11) Tert butyl alcohol	3.00	59	3628	5.103	ug/l #	80
13) Acrolein	2.29	56	23	5.719	ug/l #	1
14) Allyl chloride	2.61	41	4242	1.035	ug/l #	59
16) Acetone	2.42	43	8192	6.596	ug/l	100
17) Carbon Disulfide	2.56	76	800	0.862	ug/l #	85
20) Methylene Chloride	2.84	84	1277	0.410	ug/l	96
25) 2-Butanone	4.65	43	2624	1.341	ug/l #	79
26) 2,2-Dichloropropane	4.65	77	1453	0.303	ug/l #	53
29) Tetrahydrofuran	5.10	42	1298	1.052	ug/l #	84
31) Cyclohexane	5.62	56	5867	1.289	ug/l #	5
36) 1,1-Dichloropropene	5.63	75	23104	5.101	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29342	6.355	ug/l #	17
41) Methacrylonitrile	5.11	41	951	0.420	ug/l #	42
51) 4-Methyl-2-Pentanone	8.62	43	1849	0.457	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	115662	25.211	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	115662	66.381	ug/l #	12

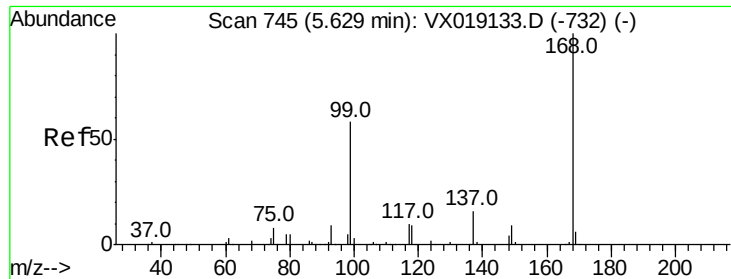
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

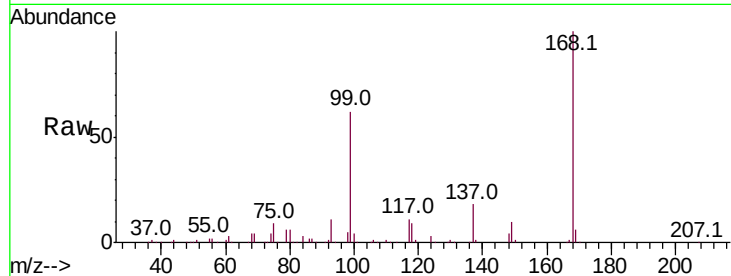
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 279139

Ion Ratio Lower Upper

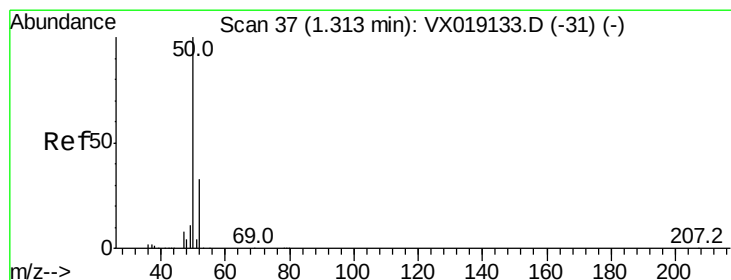
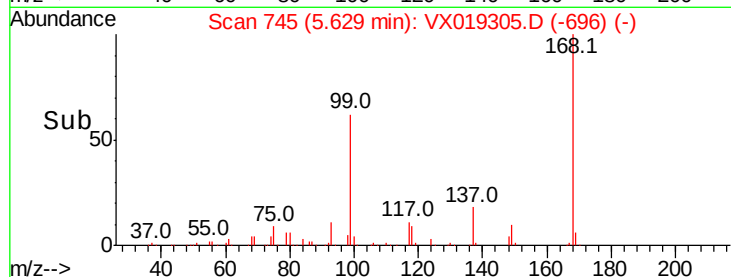
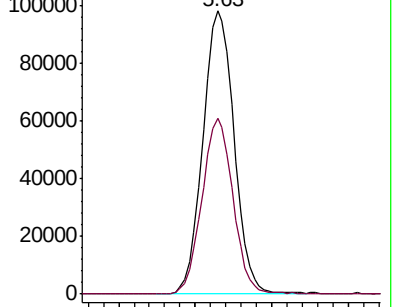
168 100

99 62.2 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: 0.508 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019305.D

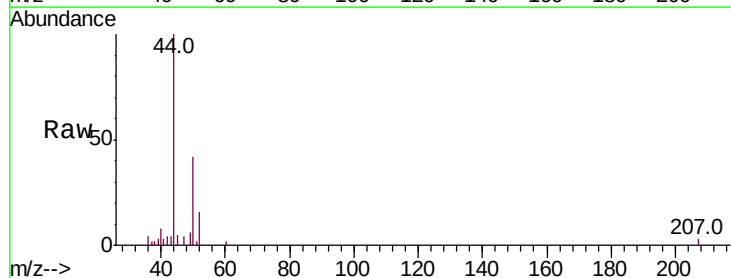
Acq: 05 Nov 2020 11:56

Tgt Ion: 50 Resp: 1321

Ion Ratio Lower Upper

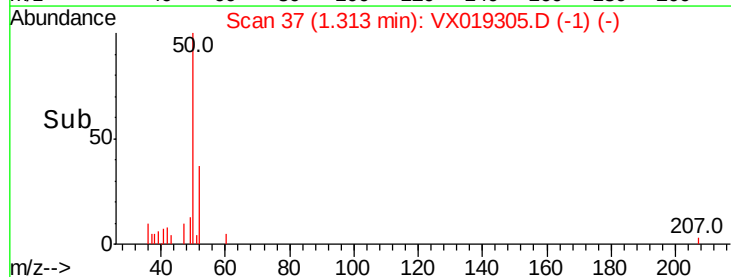
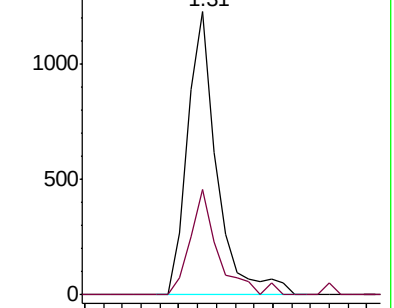
50 100

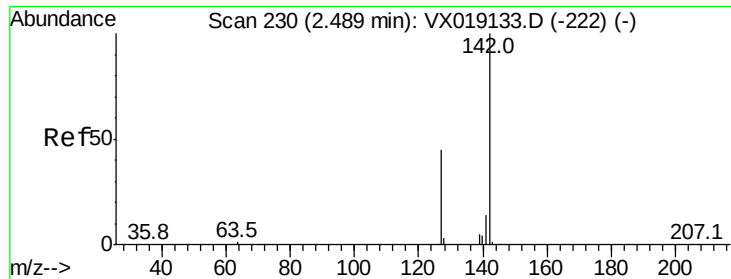
52 37.5 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

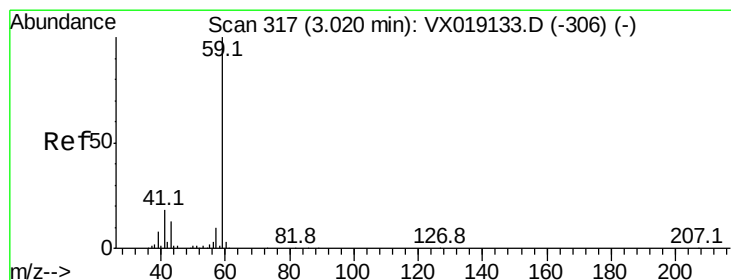
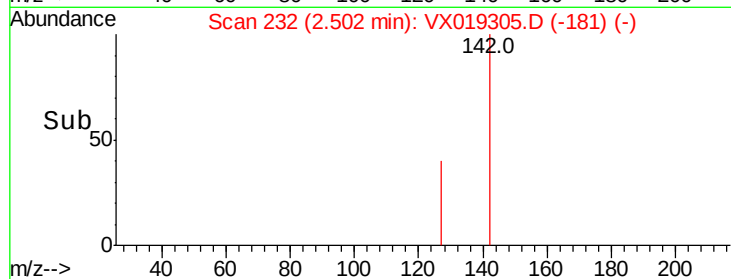
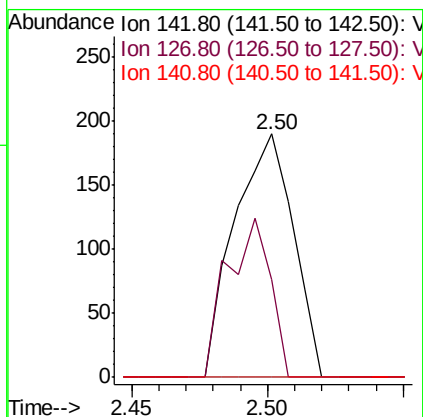
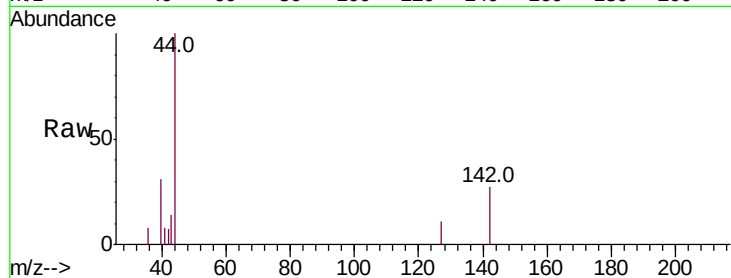




#10
Methvl Iodide
Concen: 6.458 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX019305.D
Acq: 05 Nov 2020 11:56

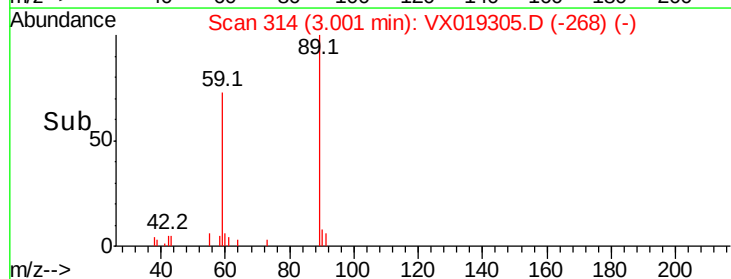
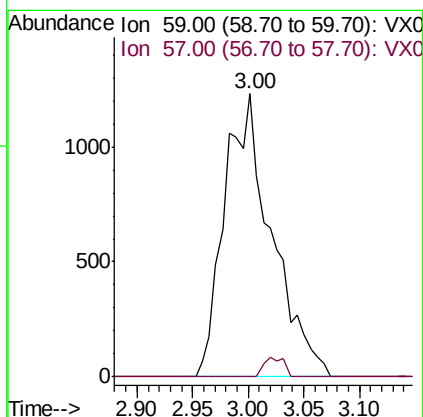
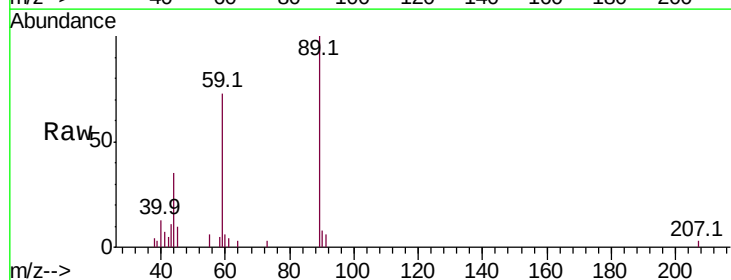
Instrument :
MSVOA_X
ClientSampleId :

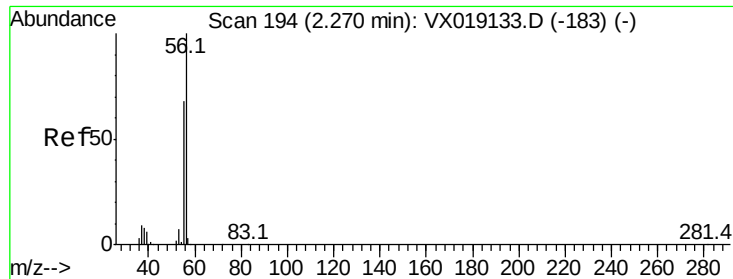
Tot Ion:142 Resp: 284
Ion Ratio Lower Upper
142 100
127 47.9 36.1 54.1
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 5.103 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX019305.D
Acq: 05 Nov 2020 11:56

Tgt Ion: 59 Resp: 3628
Ion Ratio Lower Upper
59 100
57 3.0 8.4 12.6#





#13

Acrolein

Concen: 5.719 ug/l

RT: 2.29 min Scan# 198

Delta R.T. 0.03 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

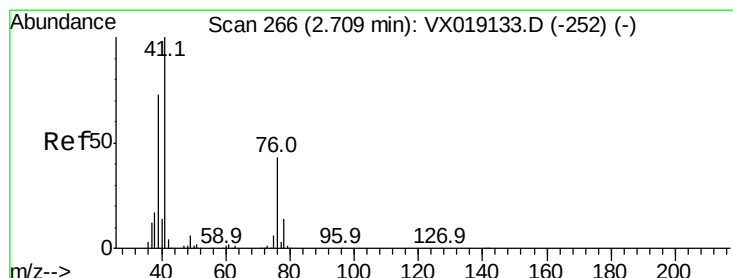
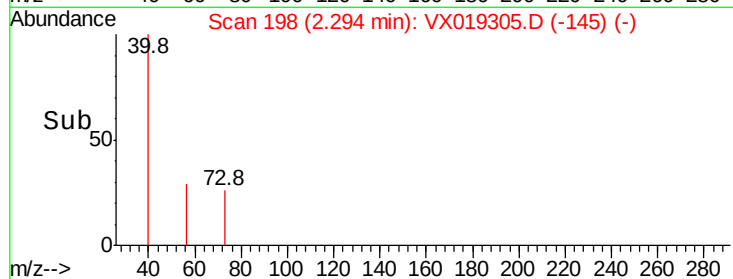
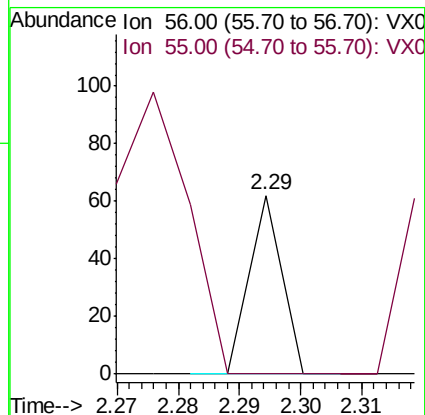
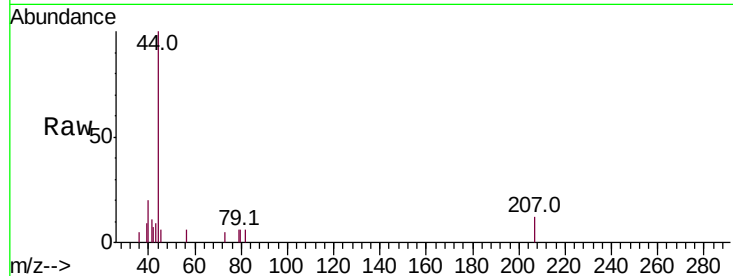
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 356.5 54.7 82.1#



#14

Allyl chloride

Concen: 1.035 ug/l

RT: 2.61 min Scan# 249

Delta R.T. -0.10 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

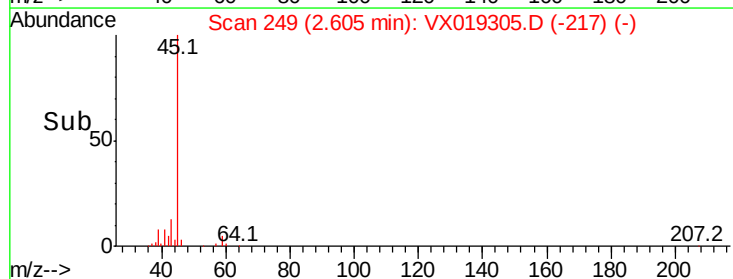
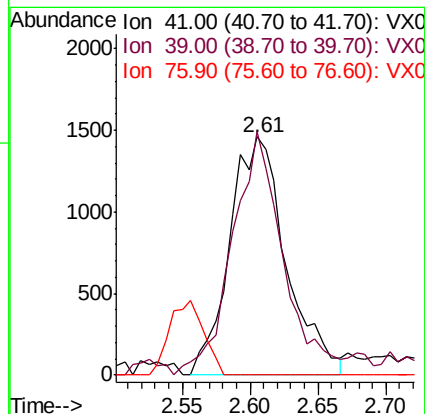
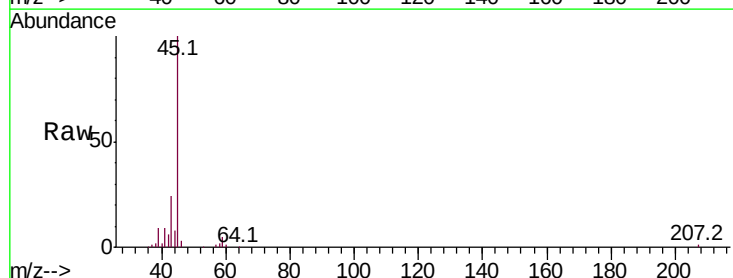
Tgt Ion: 41 Resp: 4242

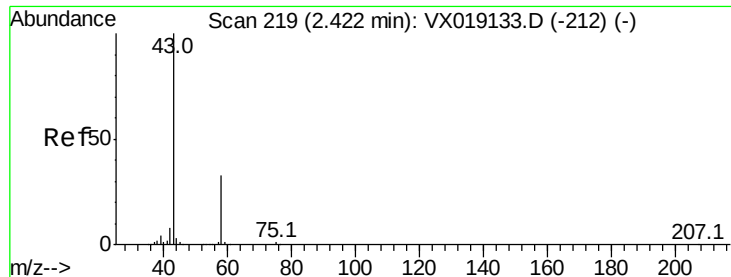
Ion Ratio Lower Upper

41 100

39 91.4 55.2 82.8#

76 0.0 31.5 47.3#





#16

Acetone

Concen: 6.596 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

Instrument :

MSVOA_X

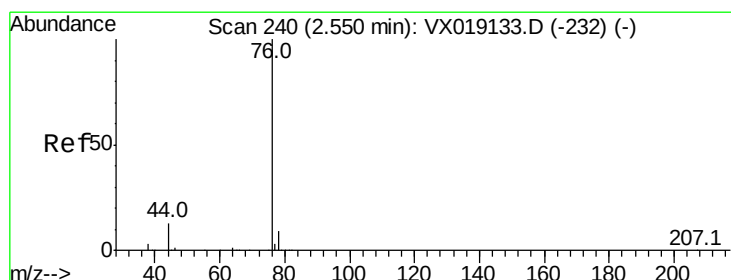
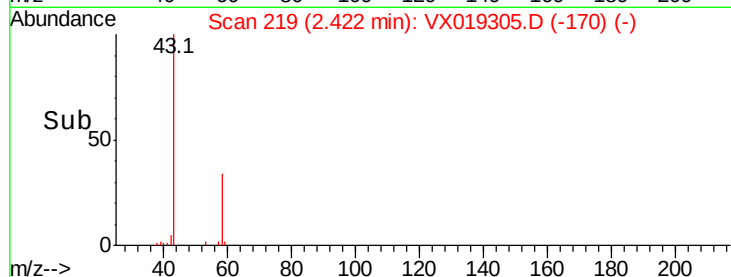
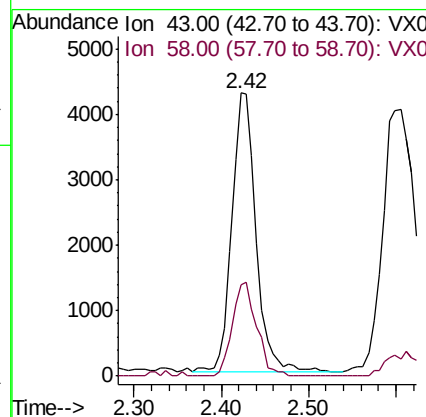
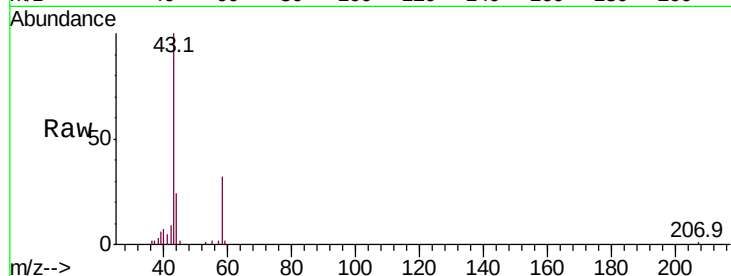
ClientSampleId :

Tot Ion: 43 Resp: 8192

Ion Ratio Lower Upper

43 100

58 32.7 26.3 39.5



#17

Carbon Disulfide

Concen: 0.862 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019305.D

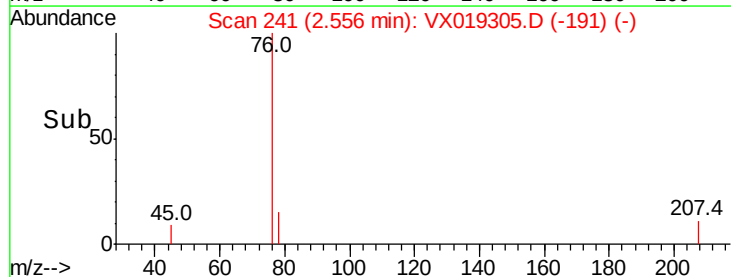
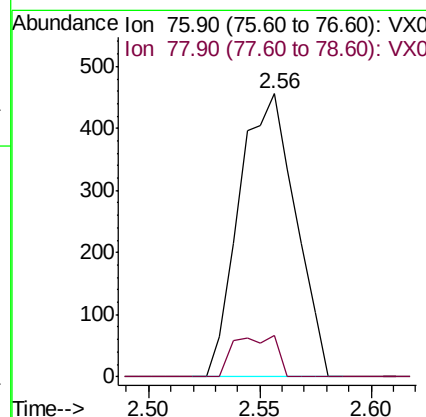
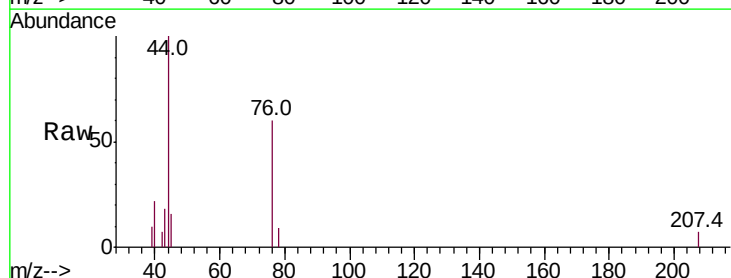
Acq: 05 Nov 2020 11:56

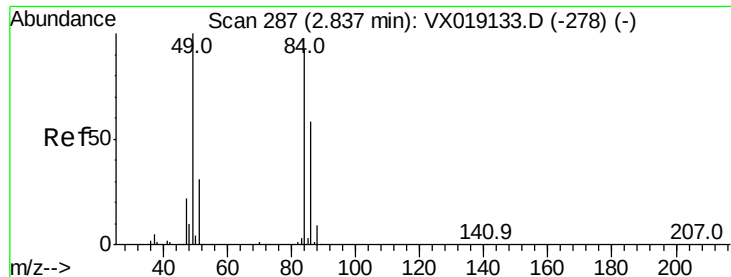
Tgt Ion: 76 Resp: 800

Ion Ratio Lower Upper

76 100

78 14.7 7.3 10.9#

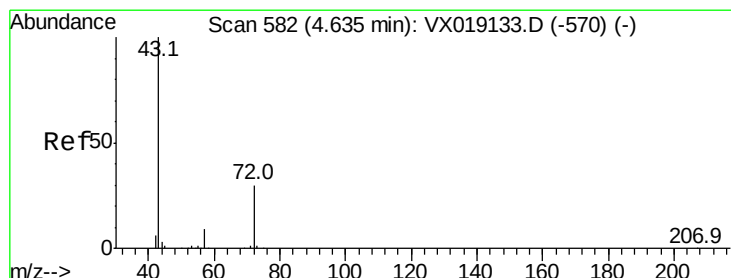
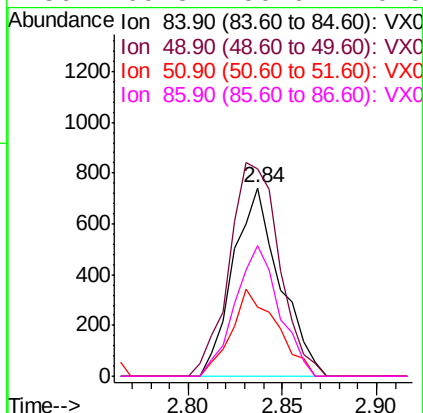
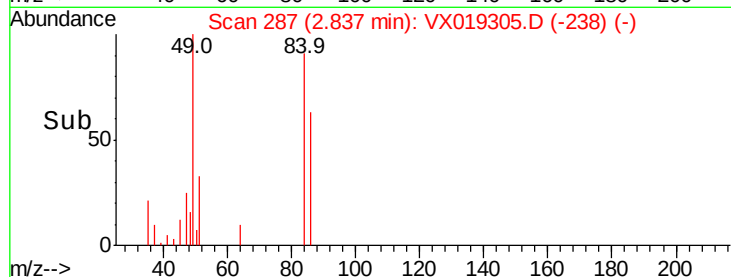
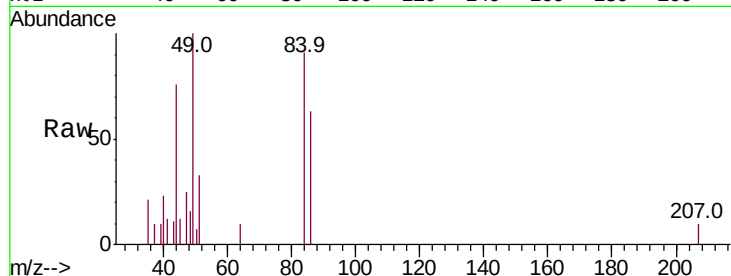




#20
Methvlene Chloride
Concen: 0.410 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019305.D
Acq: 05 Nov 2020 11:56

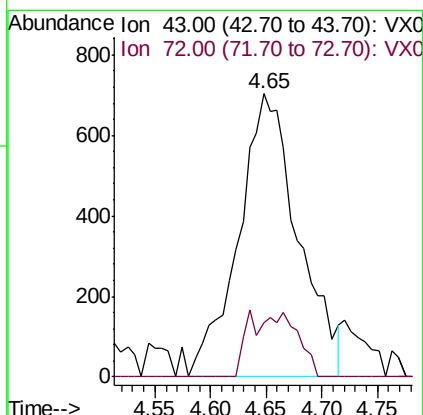
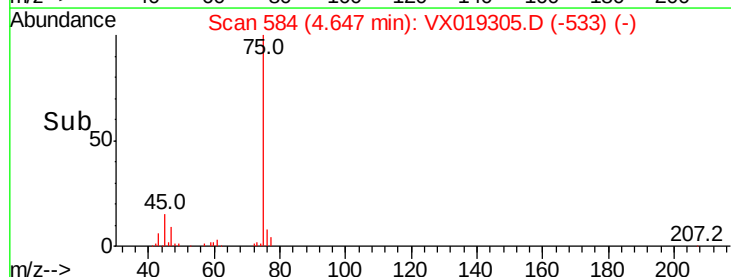
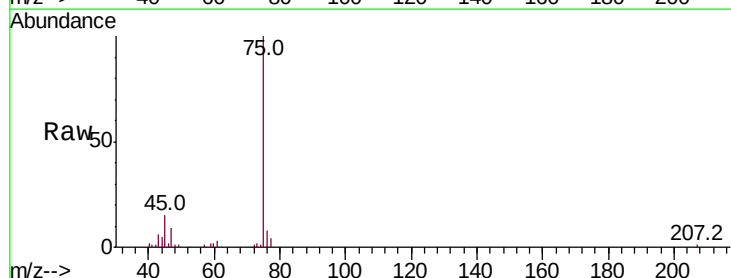
Instrument :
MSVOA_X
ClientSampleId :

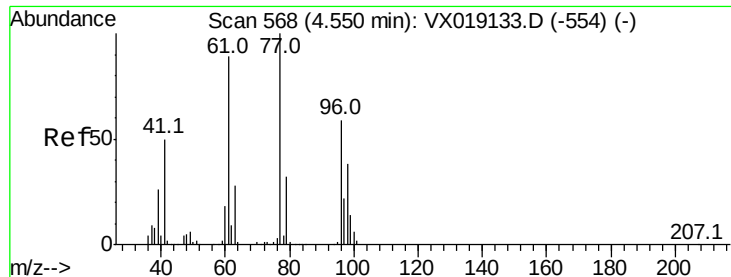
Tot Ion:	84	Resp:	1277
Ion	Ratio	Lower	Upper
84	100		
49	110.4	86.8	130.2
51	36.7	27.3	40.9
86	69.3	50.6	76.0



#25
2-Butanone
Concen: 1.341 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019305.D
Acq: 05 Nov 2020 11:56

Tgt Ion:	43	Resp:	2624
Ion	Ratio	Lower	Upper
43	100		
72	19.3	24.6	36.8#





#26

2,2-Dichloropropane

Concen: 0.303 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.10 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

Instrument :

MSVOA_X

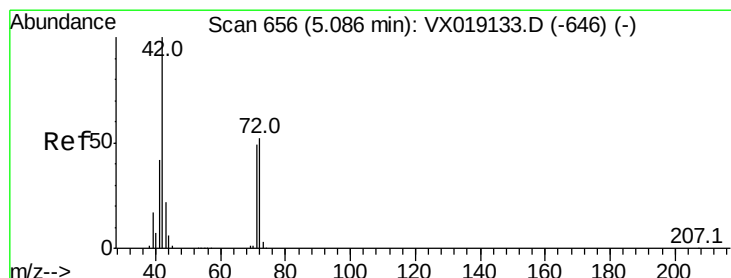
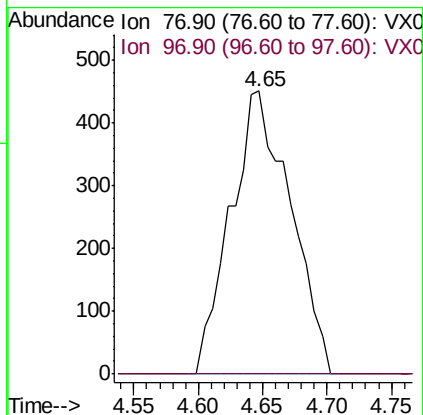
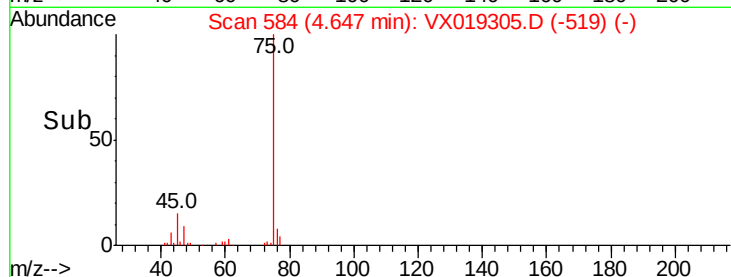
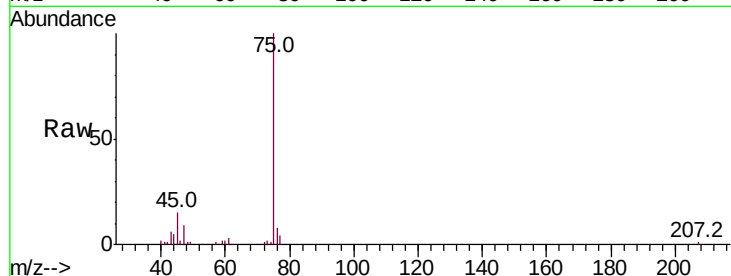
ClientSampled :

Tot Ion: 77 Resp: 1453

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#29

Tetrahydrofuran

Concen: 1.052 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

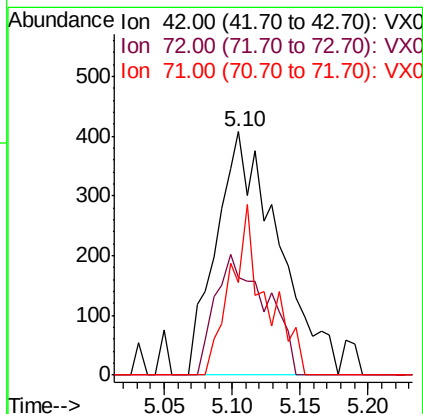
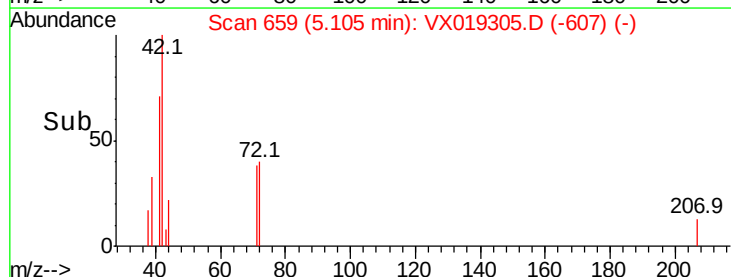
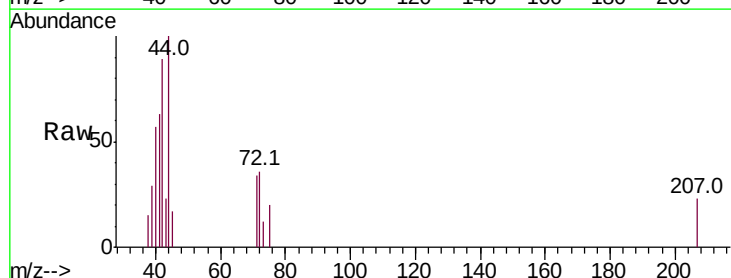
Tgt Ion: 42 Resp: 1298

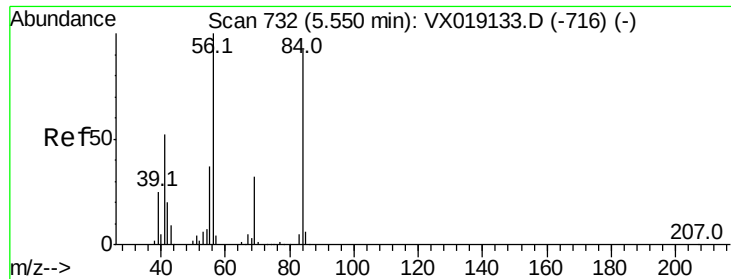
Ion Ratio Lower Upper

42 100

72 40.7 42.6 63.8#

71 39.9 39.7 59.5

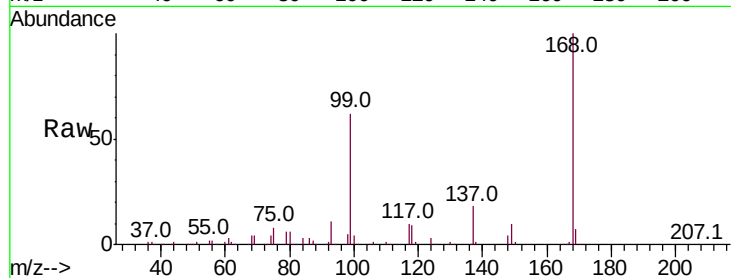




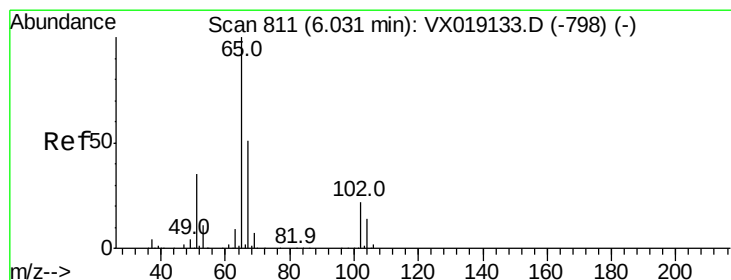
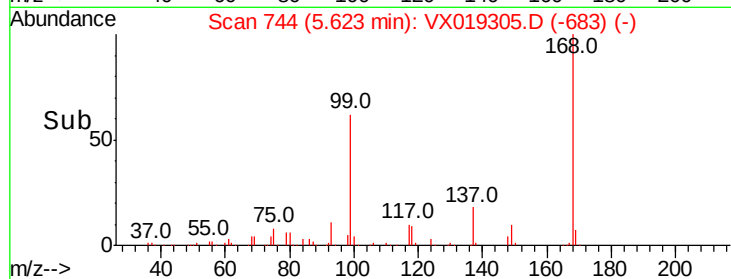
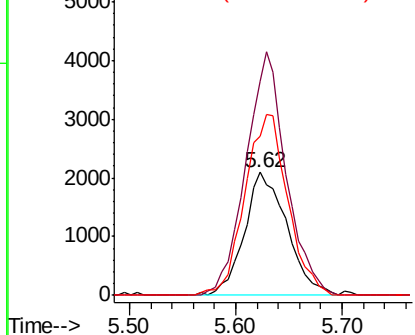
#31
Cyclohexane
Concen: 1.289 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX019305.D
Acq: 05 Nov 2020 11:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 5867
Ion Ratio Lower Upper
56 100
69 174.2 25.9 38.9#
84 129.5 73.4 110.2#

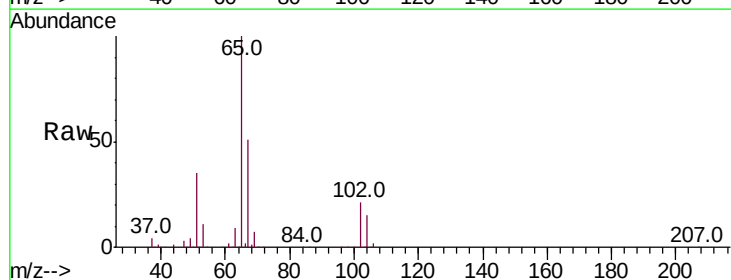


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

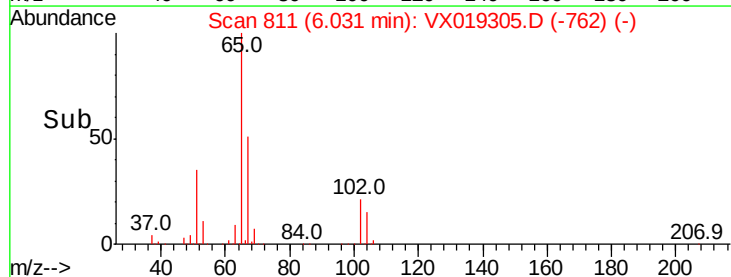
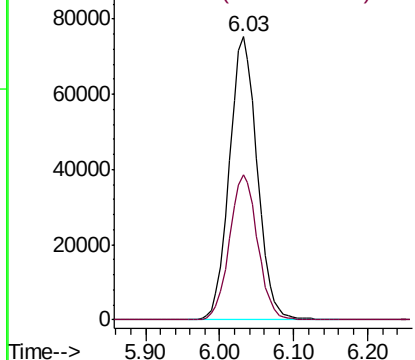


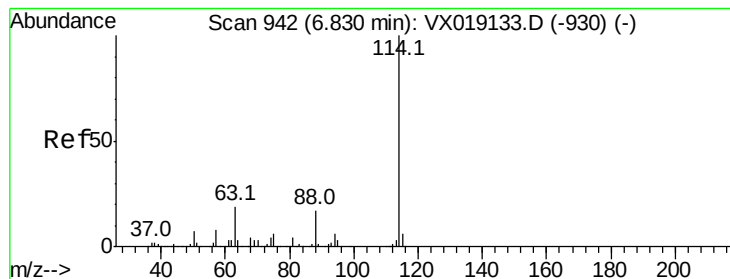
#33
1,2-Dichloroethane-d4
Concen: 54.863 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019305.D
Acq: 05 Nov 2020 11:56

Tgt Ion: 65 Resp: 197499
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: VX019305.D

Acq: 05 Nov 2020 11:56

Instrument :

MSVOA_X

ClientSampled :

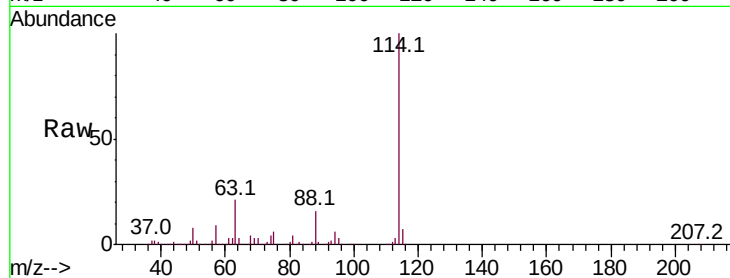
Tot Ion:114 Resp: 490508

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.8

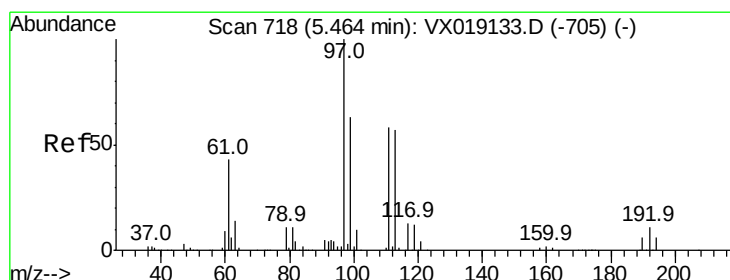
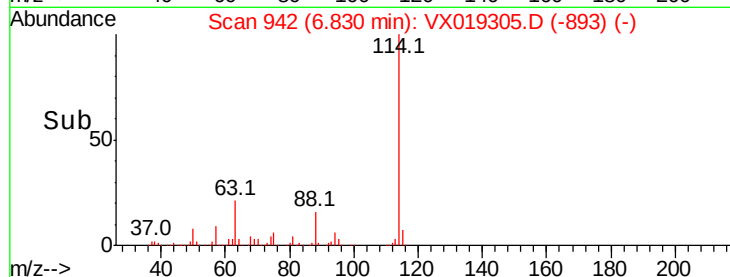
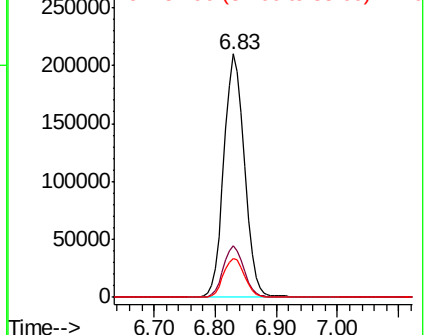
88 16.0 0.0 34.2



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: 50.390 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

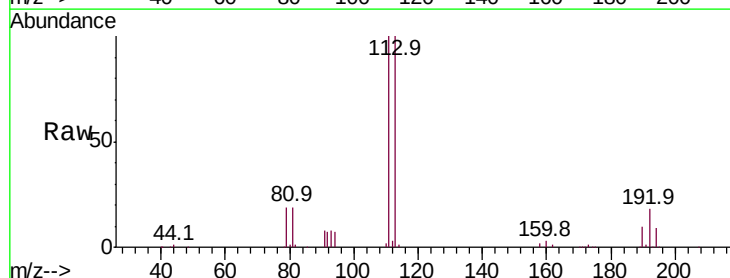
Tgt Ion:113 Resp: 155255

Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

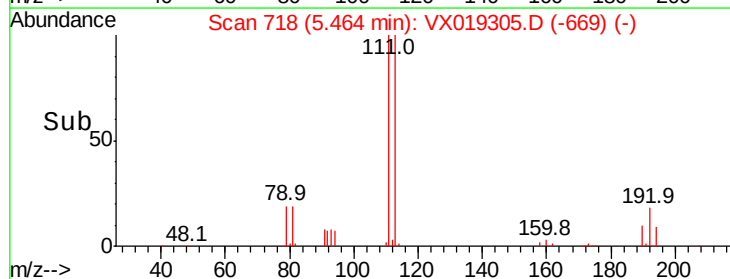
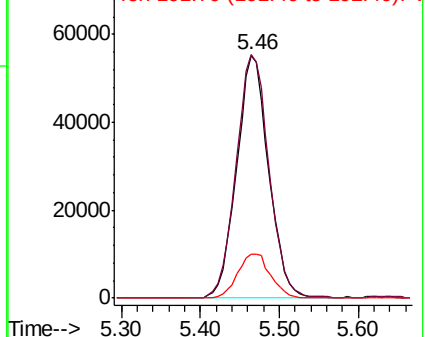
192 18.8 16.2 24.2

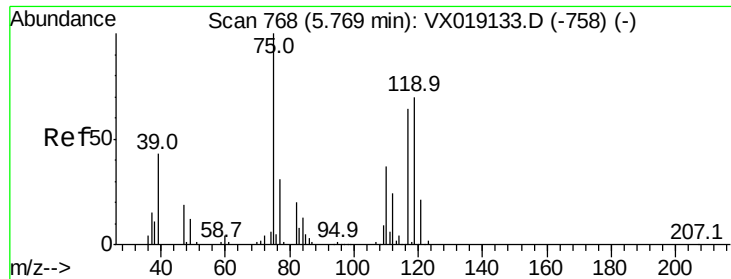


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

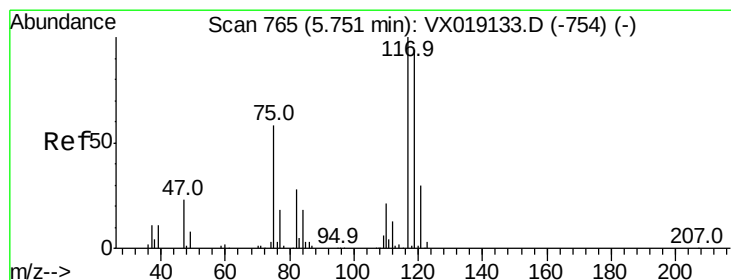
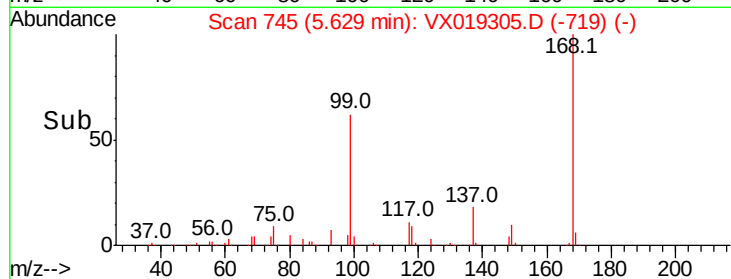
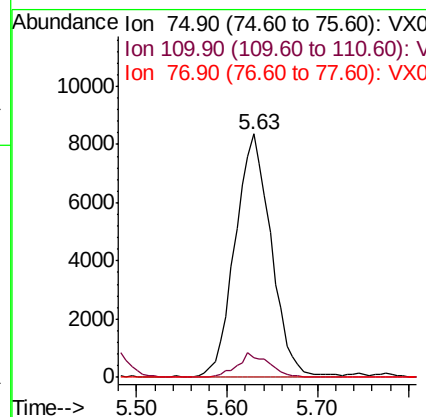
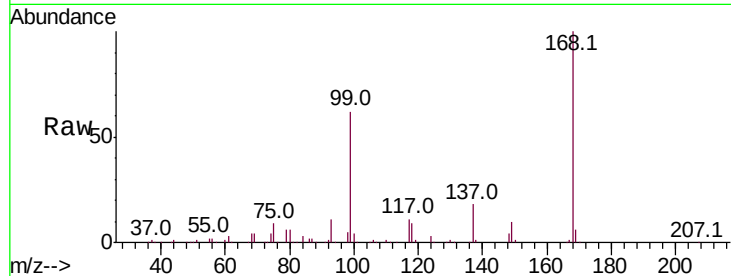




#36
 1,1-Dichloropropene
 Concen: 5.101 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019305.D
 Acq: 05 Nov 2020 11:56

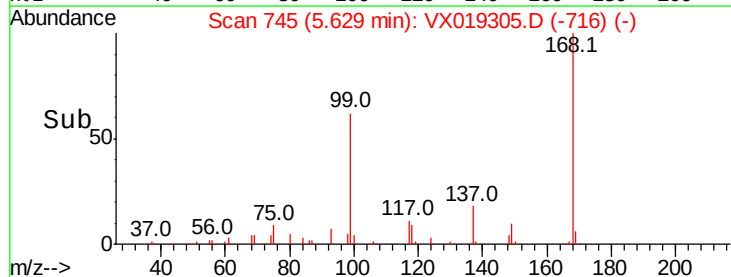
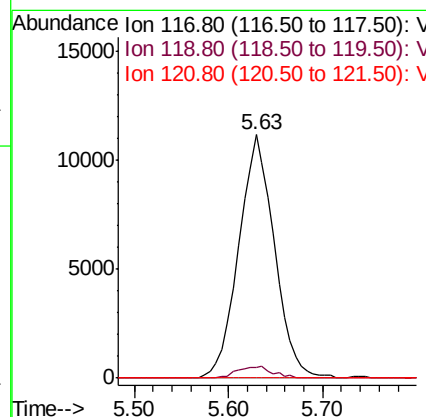
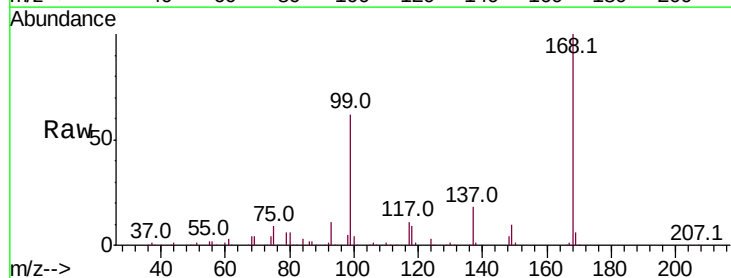
Instrument :
 MSVOA_X
 ClientSampled :

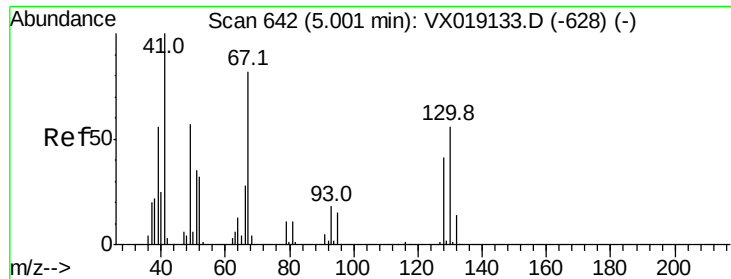
Tot Ion: 75 Resp: 23104
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.3 54.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.355 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019305.D
 Acq: 05 Nov 2020 11:56

Tgt Ion: 117 Resp: 29342
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.0 112.6#
 121 0.0 23.9 35.9#

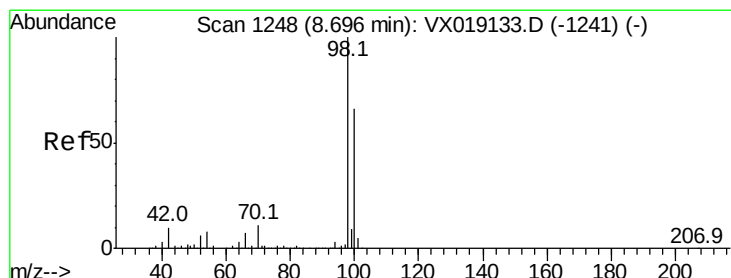
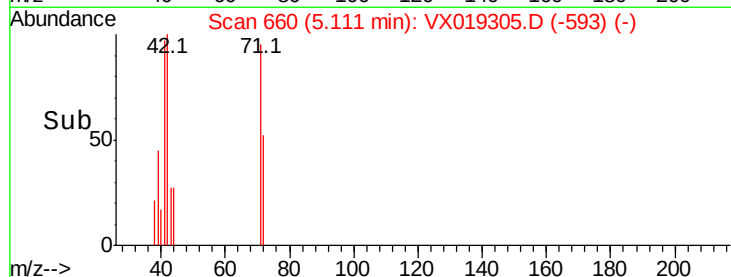
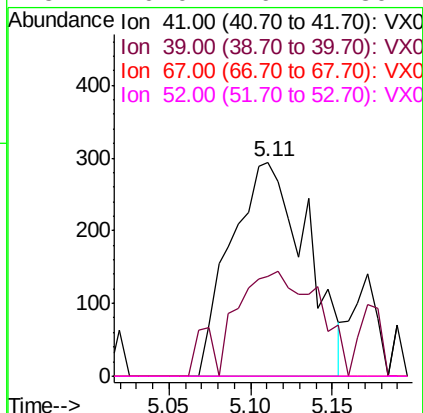
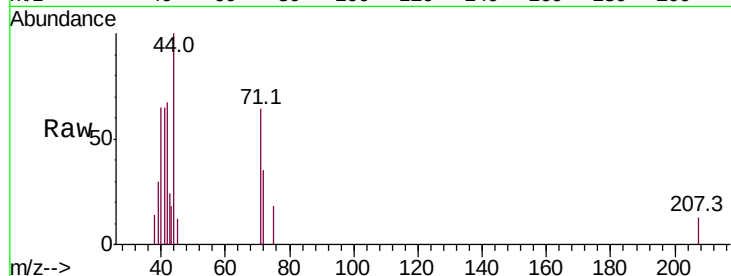




#41
Methacrylonitrile
Concen: 0.420 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.11 min
Lab File: VX019305.D
Acq: 05 Nov 2020 11:56

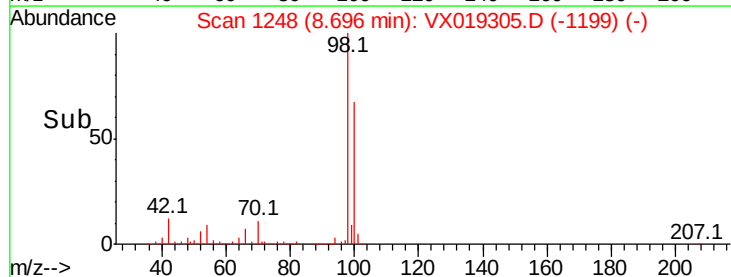
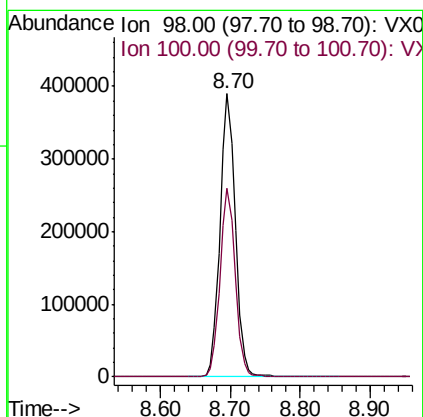
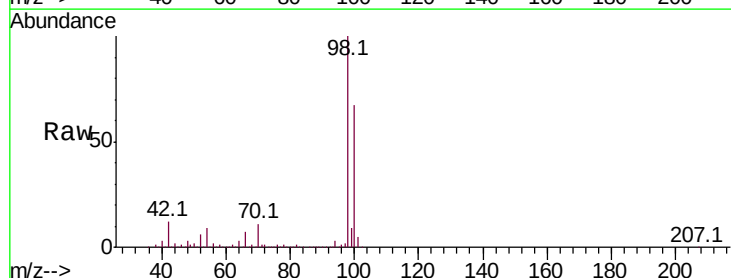
Instrument :
MSVOA_X
ClientSampled :

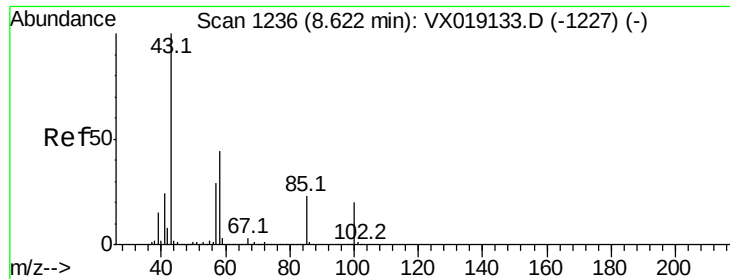
Tot Ion: 41 Resp: 951
Ion Ratio Lower Upper
41 100
39 50.7 44.4 66.6
67 0.0 66.4 99.6#
52 0.0 26.2 39.4#



#50
Toluene-d8
Concen: 51.364 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019305.D
Acq: 05 Nov 2020 11:56

Tgt Ion: 98 Resp: 596564
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6

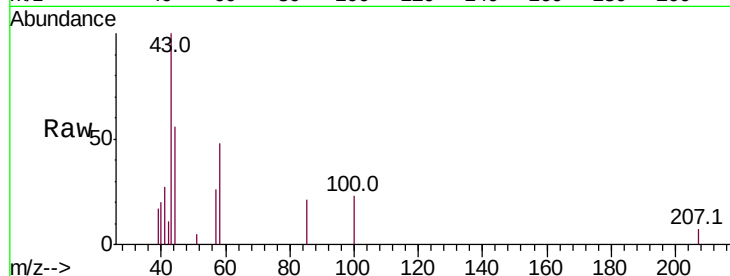




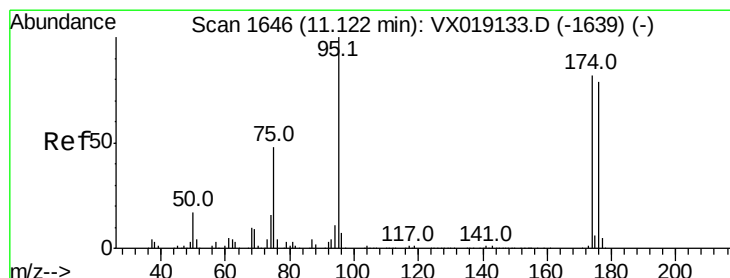
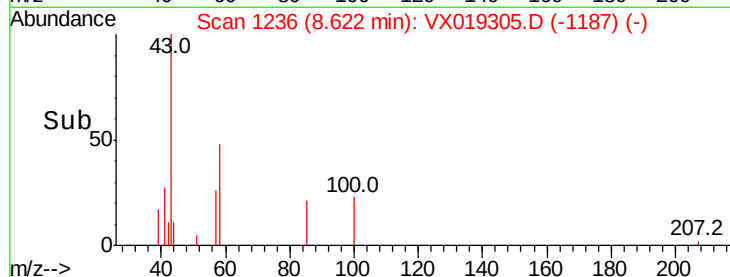
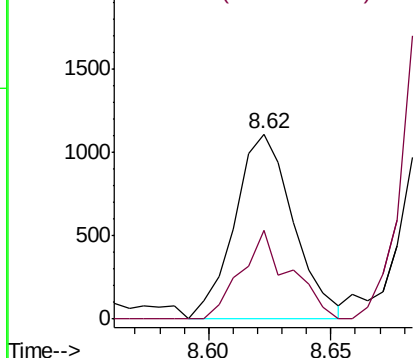
#51
 4-Methyl-2-Pentanone
 Concen: 0.457 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX019305.D
 Acq: 05 Nov 2020 11:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 43 Resp: 1849
 Ion Ratio Lower Upper
 43 100
 58 39.9 35.0 52.4

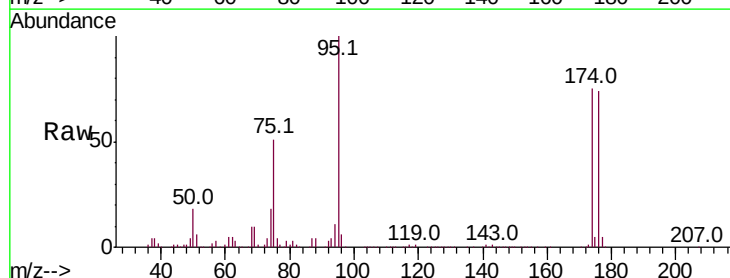


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

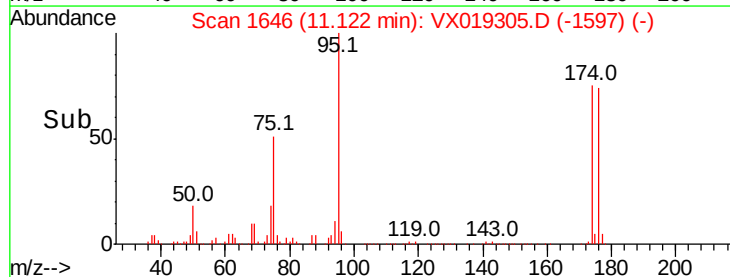
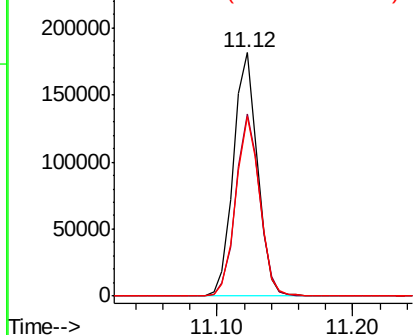


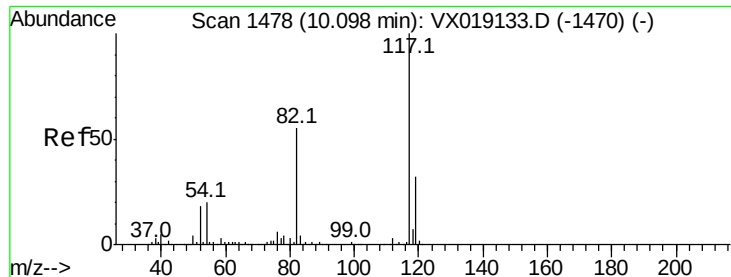
#62
 4-Bromofluorobenzene
 Concen: 50.885 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX019305.D
 Acq: 05 Nov 2020 11:56

Tgt Ion: 95 Resp: 223815
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 156.0
 176 73.3 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

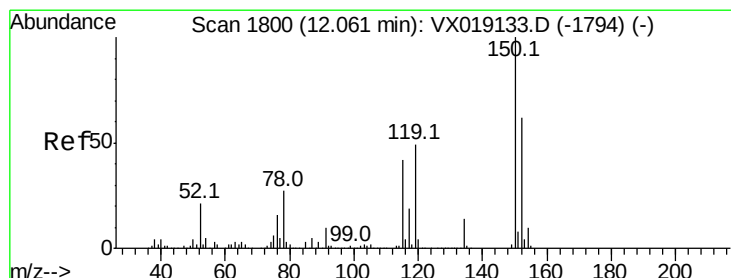
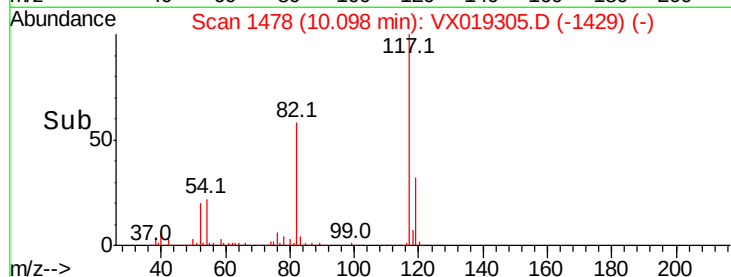
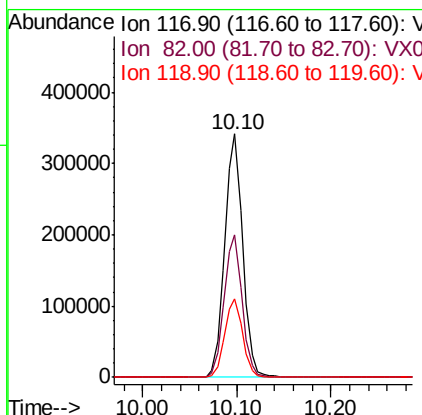
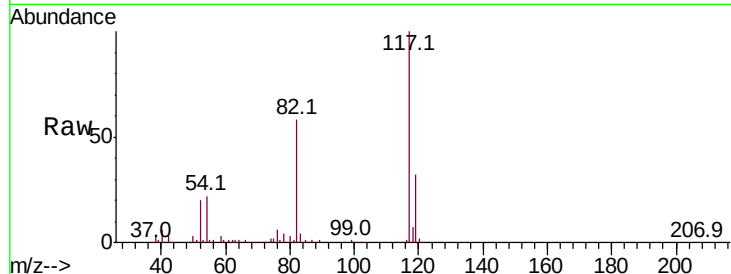




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019305.D
Acq: 05 Nov 2020 11:56

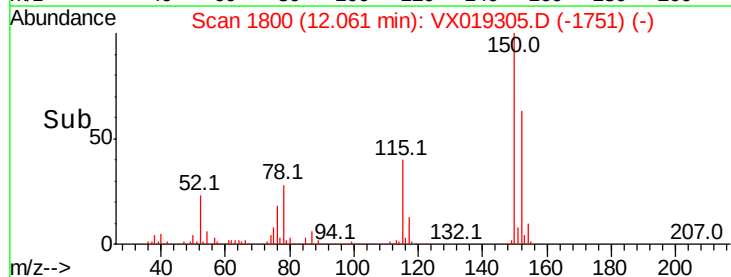
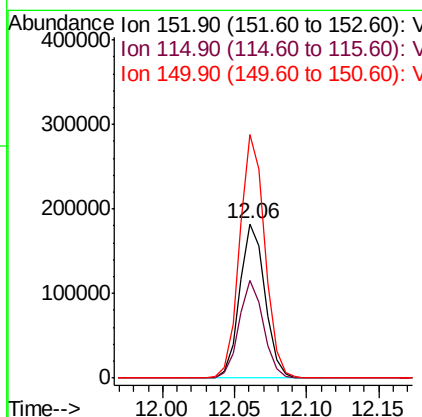
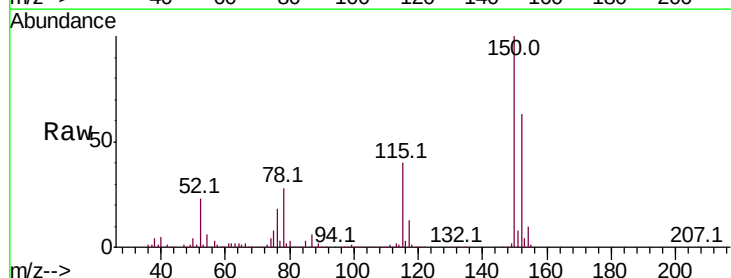
Instrument :
MSVOA_X
ClientSampled :

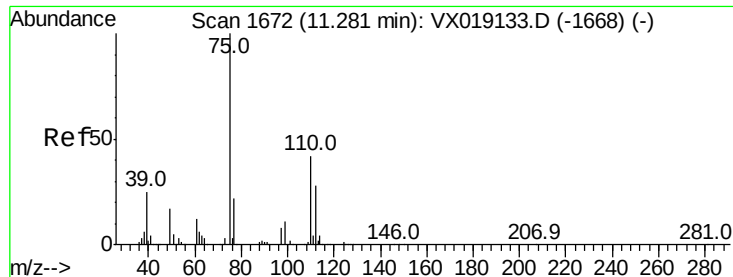
Tot Ion:117 Resp: 452770
Ion Ratio Lower Upper
117 100
82 58.3 43.6 65.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019305.D
Acq: 05 Nov 2020 11:56

Tgt Ion:152 Resp: 222188
Ion Ratio Lower Upper
152 100
115 61.6 41.9 125.7
150 157.2 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 25.211 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

Instrument :

MSVOA_X

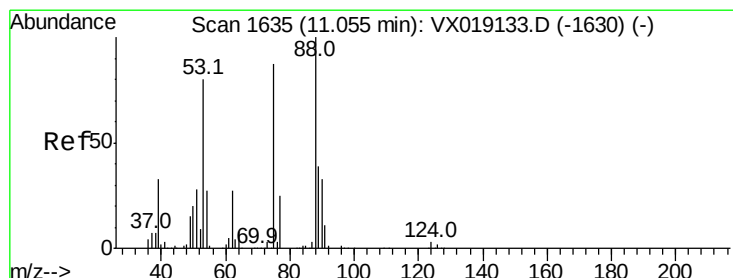
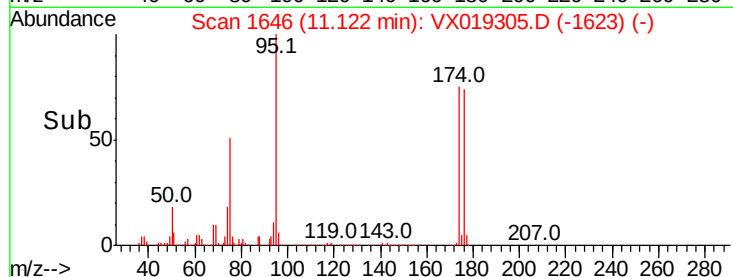
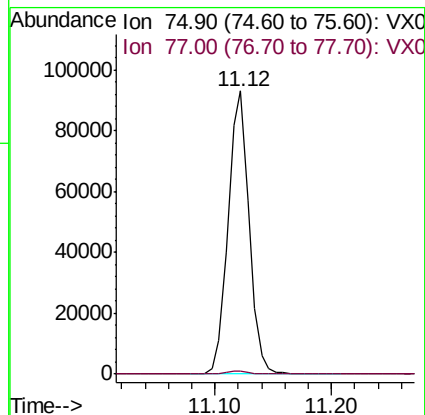
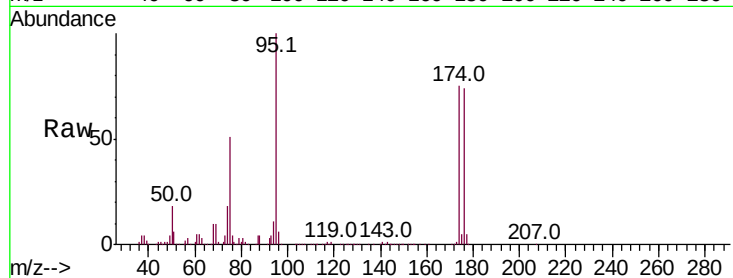
ClientSampled :

Tot Ion: 75 Resp: 115662

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.381 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019305.D

Acq: 05 Nov 2020 11:56

Tgt Ion: 75 Resp: 115662

Ion Ratio Lower Upper

75 100

53 0.1 73.3 109.9#

89 0.0 38.2 57.2#

