

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019538.D
 Acq On : 21 Nov 2020 09:47
 Operator : JC/MD
 Sample : L4687-06ME
 Misc : 5.77g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS-5ME

Quant Time: Nov 23 00:14:06 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	5.62	168	292654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	475315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	408672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	178804	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	173069	45.61	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.22%	
35) Dibromofluoromethane		5.47	113	134837	45.19	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	90.38%	
50) Toluene-d8		8.70	98	551662	47.58	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.16%	
62) 4-Bromofluorobenzene		11.12	95	191923	46.01	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.02%	

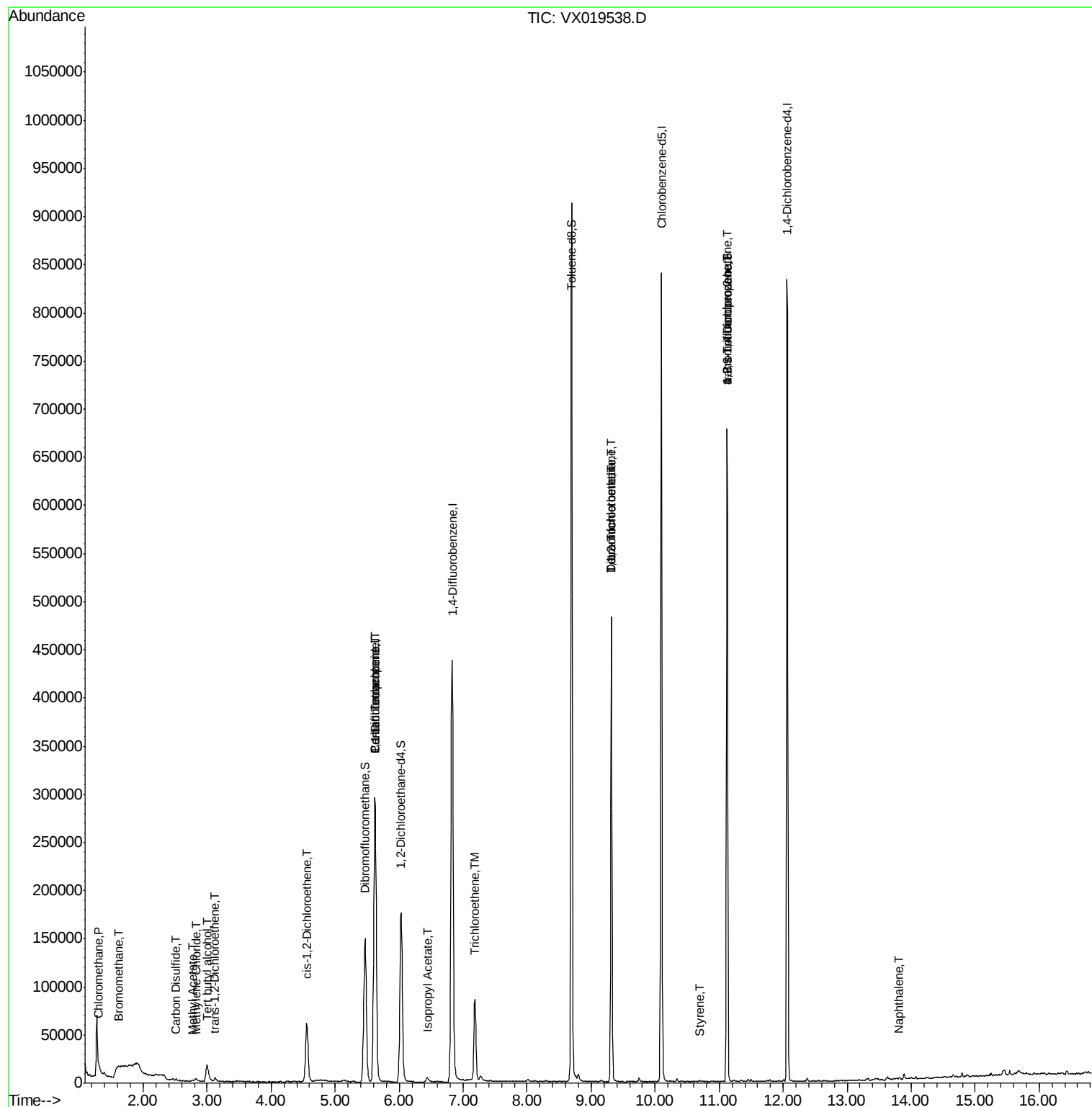
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	730	0.224	ug/l #	86
5) Bromomethane	1.62	94	826	0.620	ug/l	98
6) Chloroethane	1.70	64	394	Below Cal	#	48
11) Tert butyl alcohol	3.00	59	14212	19.791	ug/l #	78
17) Carbon Disulfide	2.51	76	2040	0.261	ug/l #	84
18) Methyl Acetate	2.77	43	1542	1.058	ug/l	98
20) Methylene Chloride	2.82	84	1353	0.369	ug/l #	83
21) trans-1,2-Dichloroethene	3.12	96	1588	0.482	ug/l	92
27) cis-1,2-Dichloroethene	4.56	96	39627	10.480	ug/l	91
36) 1,1-Dichloropropene	5.62	75	22590	5.069	ug/l #	50
38) Carbon Tetrachloride	5.63	117	28343	6.571	ug/l #	17
43) Isopropyl Acetate	6.44	43	2856	0.406	ug/l #	57
44) Trichloroethene	7.18	130	31685	8.835	ug/l	99
55) 1,1,2-Trichloroethane	9.32	97	723	0.212	ug/l #	6
60) Dibromochloromethane	9.32	129	89610	26.820	ug/l #	10
64) Tetrachloroethene	9.32	164	92363	28.752	ug/l	99
70) Styrene	10.70	104	320	1.678	ug/l #	79
76) 1,2,3-Trichloropropane	11.12	75	94054	24.103	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	94054	63.823	ug/l #	12
95) Naphthalene	13.82	128	1518	2.288	ug/l #	95

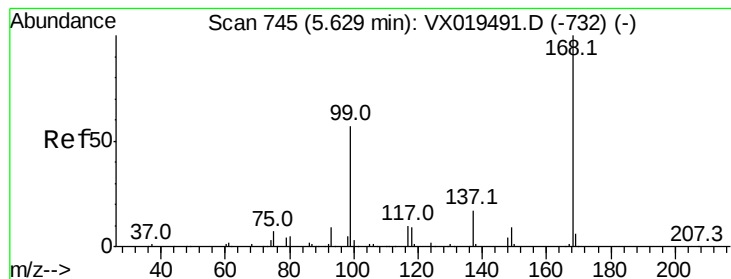
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112120\
Data File : VX019538.D
Acq On : 21 Nov 2020 09:47
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Instrument :
MSVOA_X
ClientSampleId :
SS-5ME

Quant Time: Nov 23 00:14:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

Instrument :

MSVOA_X

ClientSampleId :

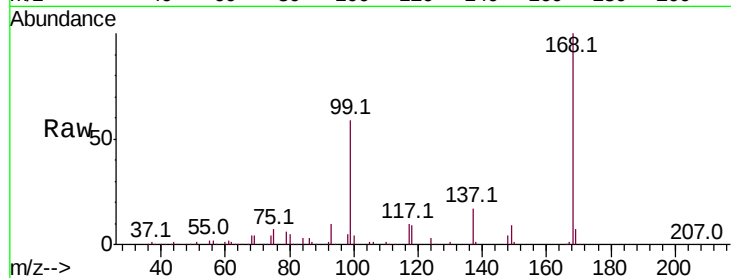
SS-5ME

Tot Ion:168 Resp: 292654

Ion Ratio Lower Upper

168 100

99 59.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

100000

80000

60000

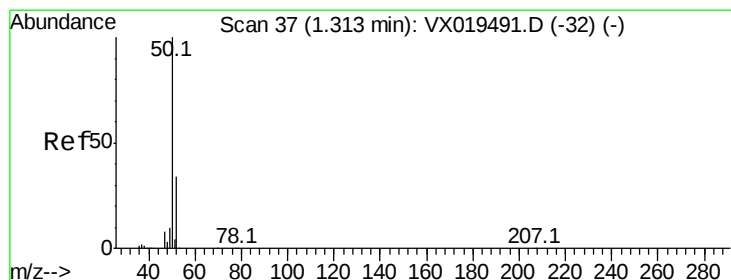
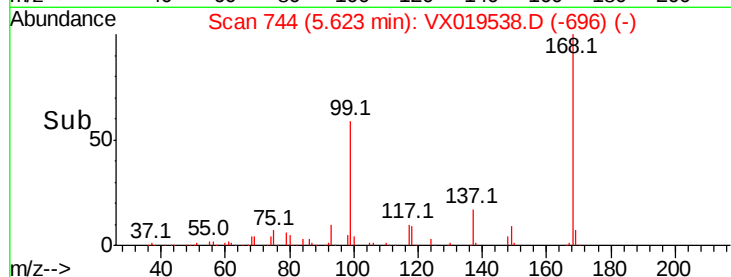
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.224 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019538.D

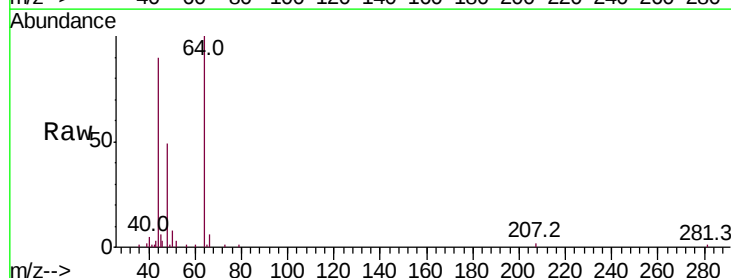
Acq: 21 Nov 2020 09:47

Tgt Ion: 50 Resp: 730

Ion Ratio Lower Upper

50 100

52 41.9 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

500

400

300

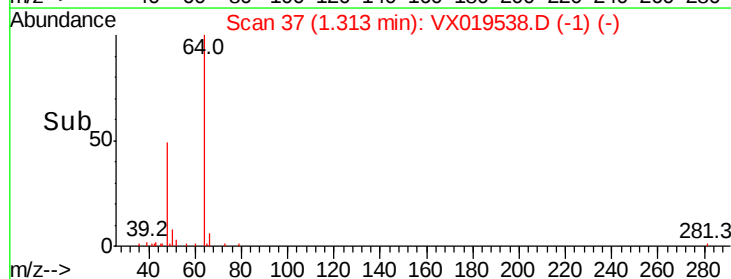
200

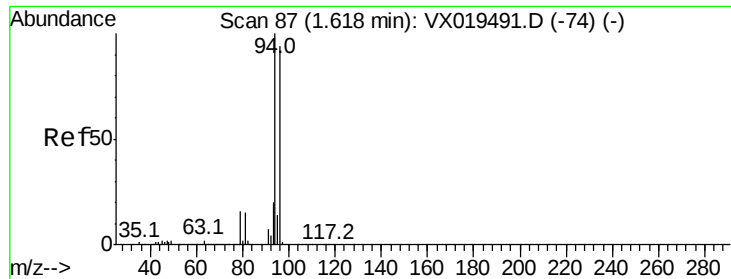
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.620 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

Instrument :

MSVOA_X

ClientSampleId :

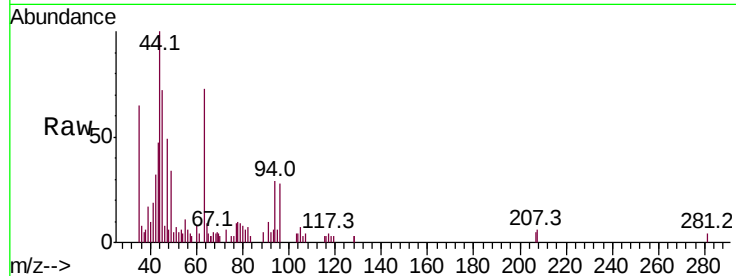
SS-5ME

Tot Ion: 94 Resp: 826

Ion Ratio Lower Upper

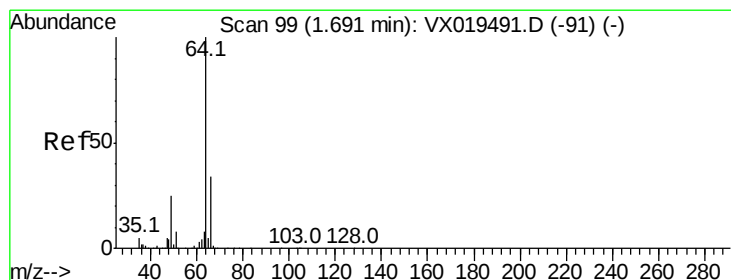
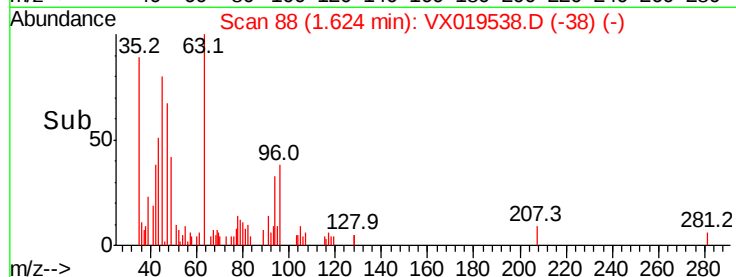
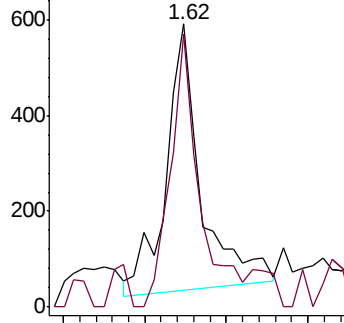
94 100

96 92.9 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX019538.D

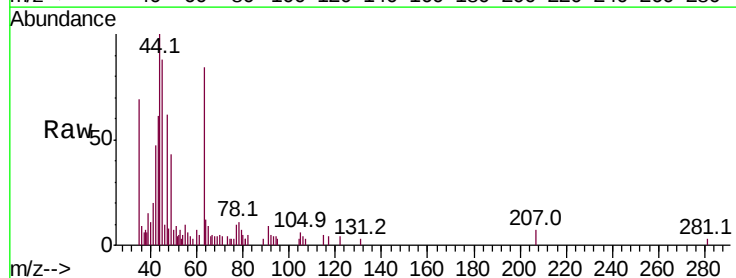
Acq: 21 Nov 2020 09:47

Tgt Ion: 64 Resp: 394

Ion Ratio Lower Upper

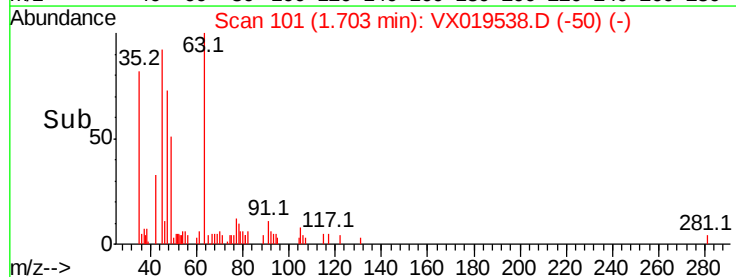
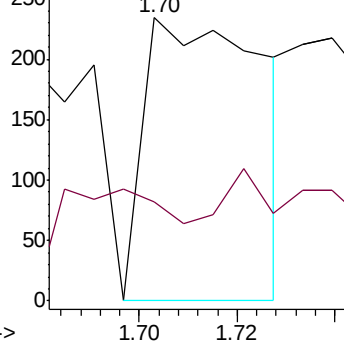
64 100

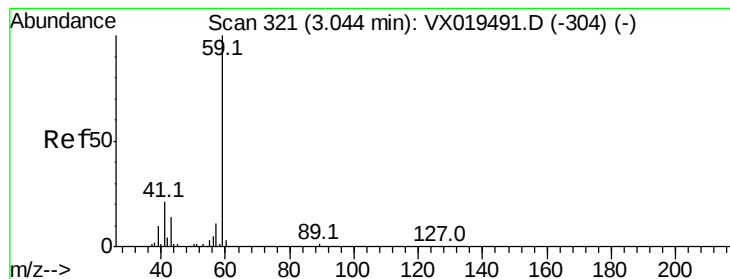
66 4.3 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



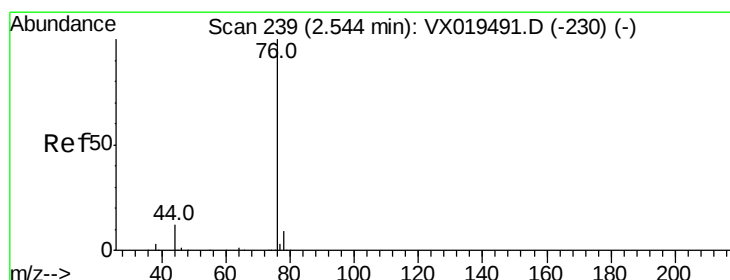
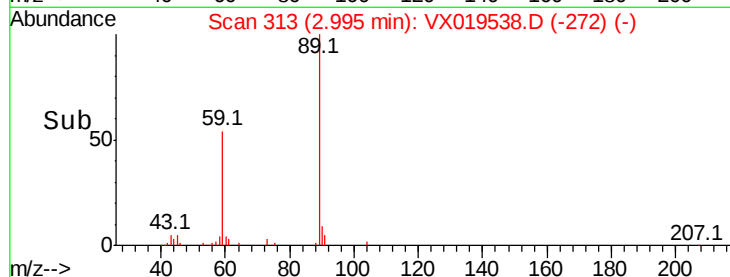
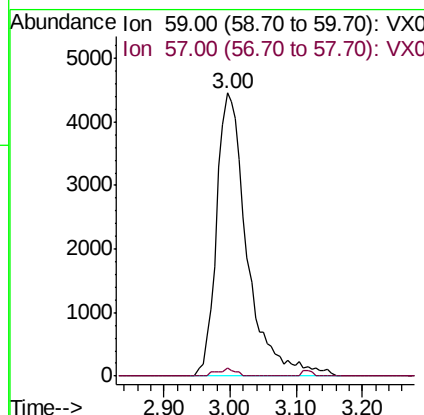
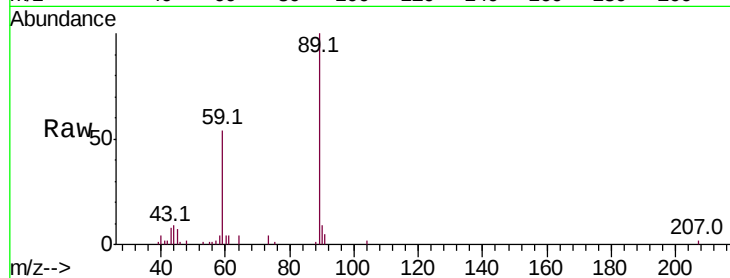


#11

Tert butyl alcohol
 Concen: 19.791 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.05 min
 Lab File: VX019538.D
 Acq: 21 Nov 2020 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS-5ME

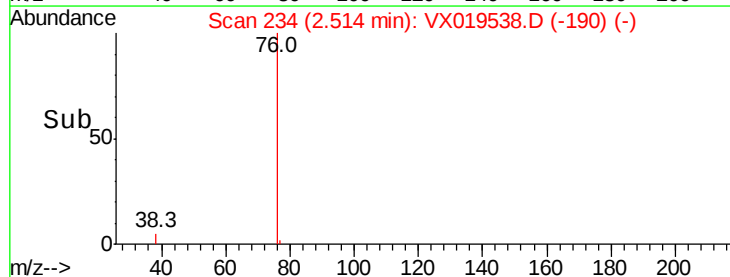
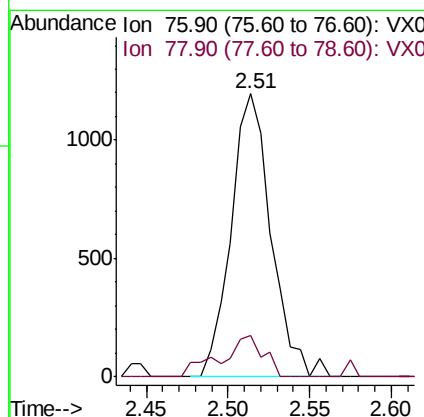
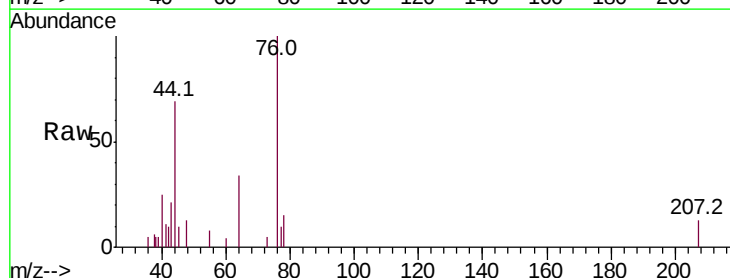
Tot Ion: 59 Resp: 14212
 Ion Ratio Lower Upper
 59 100
 57 1.6 7.9 11.9#

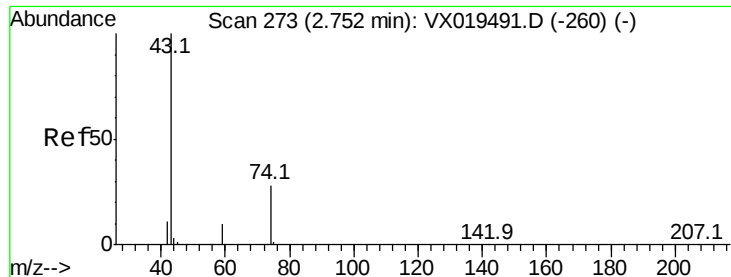


#17

Carbon Disulfide
 Concen: 0.261 ug/l
 RT: 2.51 min Scan# 234
 Delta R.T. -0.03 min
 Lab File: VX019538.D
 Acq: 21 Nov 2020 09:47

Tgt Ion: 76 Resp: 2040
 Ion Ratio Lower Upper
 76 100
 78 14.7 7.2 10.8#

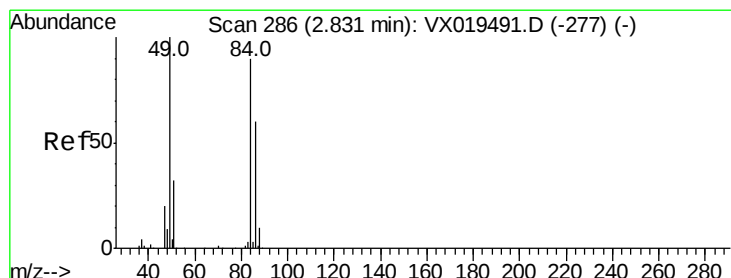
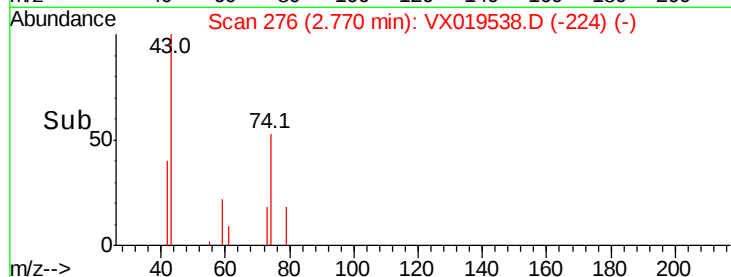
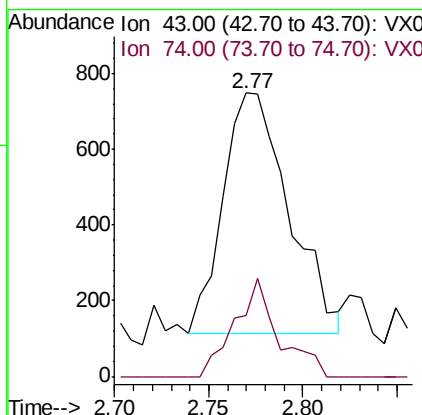
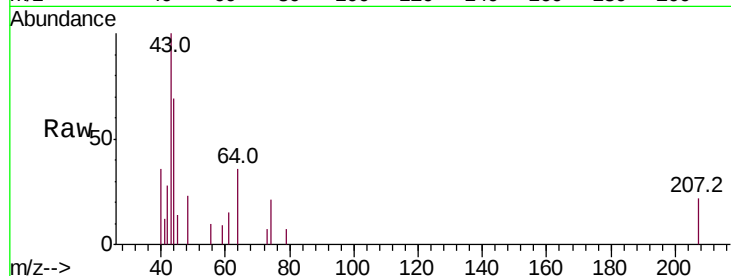




#18
Methyl Acetate
Concen: 1.058 ug/l
RT: 2.77 min Scan# 276
Delta R.T. 0.02 min
Lab File: VX019538.D
Acq: 21 Nov 2020 09:47

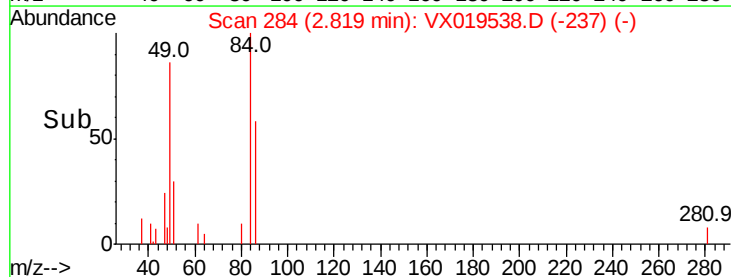
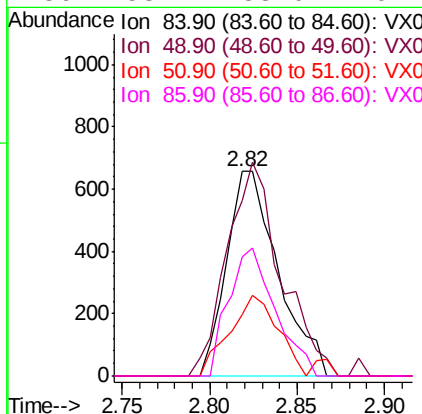
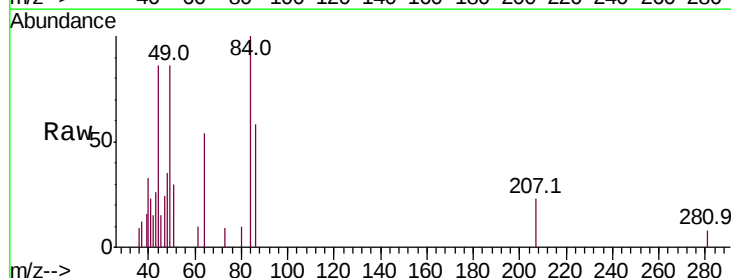
Instrument :
MSVOA_X
ClientSampled :
SS-5ME

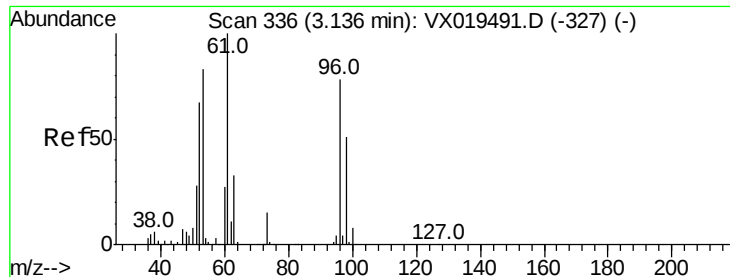
Tot Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
74 26.8 22.2 33.4



#20
Methylene Chloride
Concen: 0.369 ug/l
RT: 2.82 min Scan# 284
Delta R.T. -0.01 min
Lab File: VX019538.D
Acq: 21 Nov 2020 09:47

Tgt Ion: 84 Resp: 1353
Ion Ratio Lower Upper
84 100
49 85.8 88.5 132.7#
51 30.0 28.0 42.0
86 58.1 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 0.482 ug/l

RT: 3.12 min Scan# 334

Delta R.T. -0.01 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

Instrument :

MSVOA_X

ClientSampleId :

SS-5ME

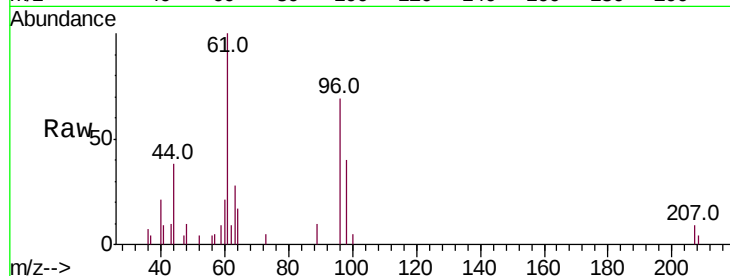
Tot Ion: 96 Resp: 1588

Ion Ratio Lower Upper

96 100

61 137.4 102.9 154.3

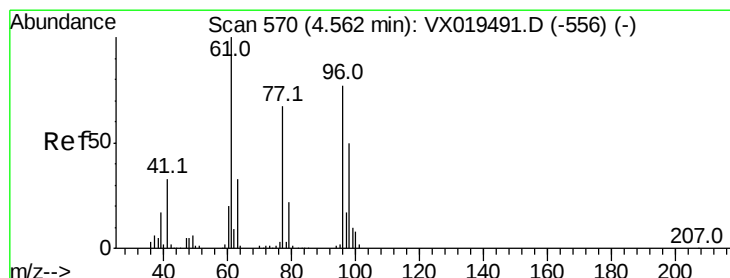
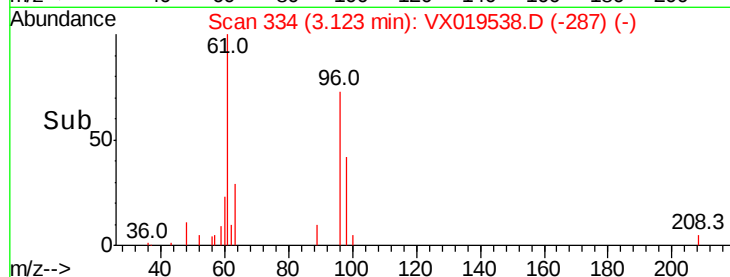
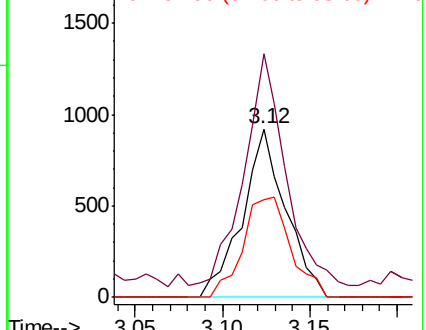
98 57.7 52.1 78.1



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



#27

cis-1,2-Dichloroethene

Concen: 10.480 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

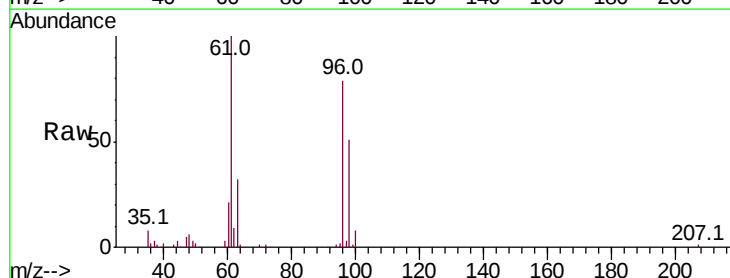
Tgt Ion: 96 Resp: 39627

Ion Ratio Lower Upper

96 100

61 123.7 0.0 279.2

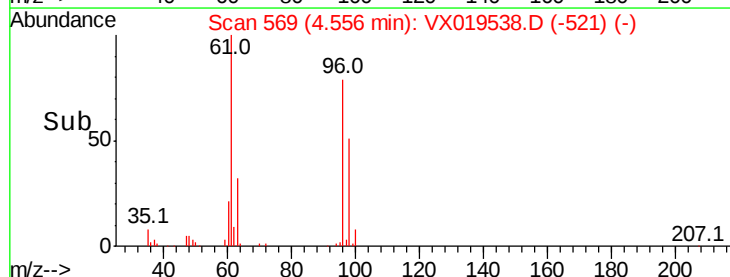
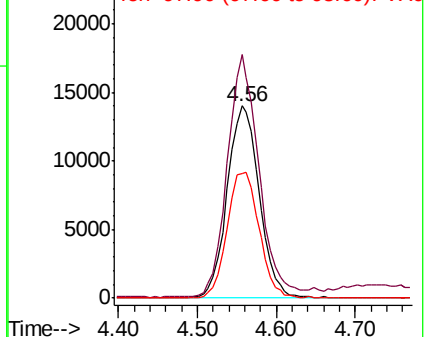
98 65.5 0.0 129.8

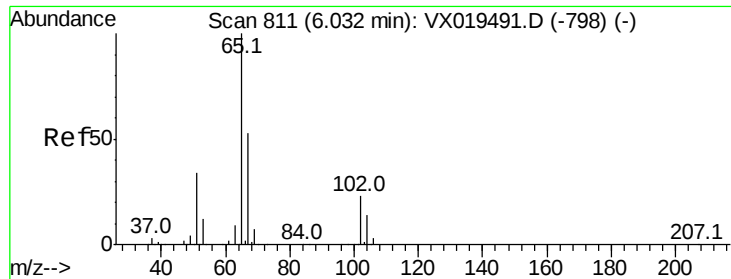


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

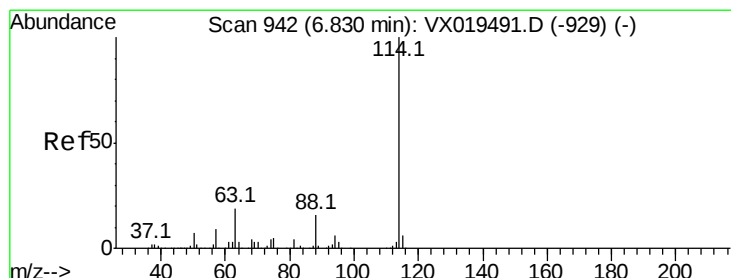
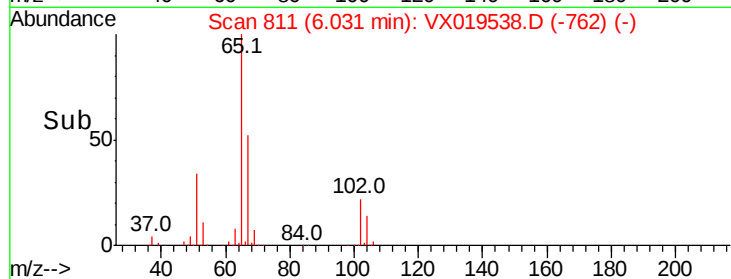
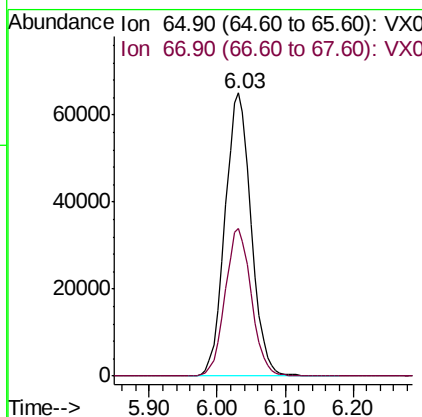
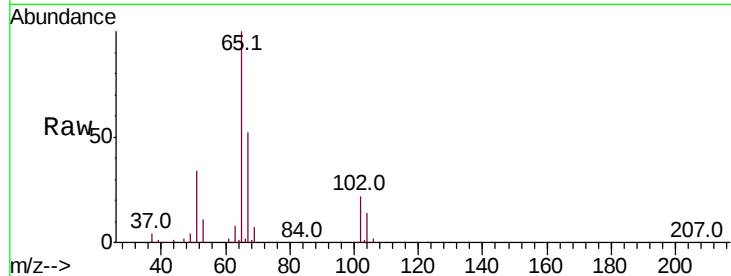




#33
 1,2-Dichloroethane-d4
 Concen: 45.610 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019538.D
 Acq: 21 Nov 2020 09:47

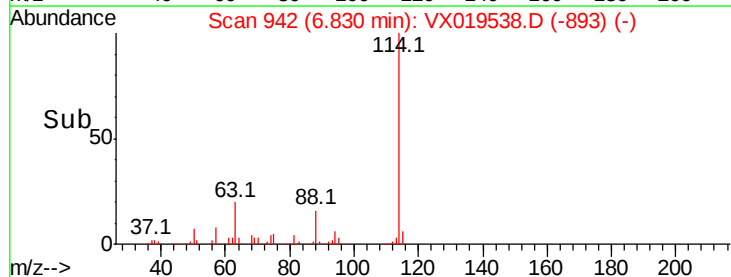
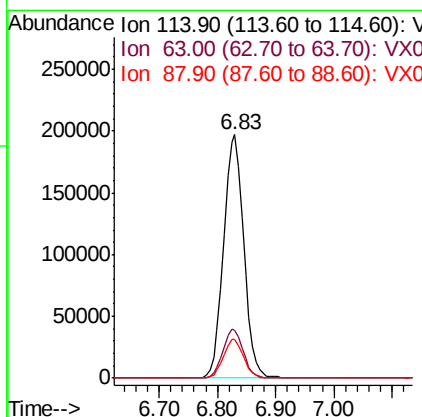
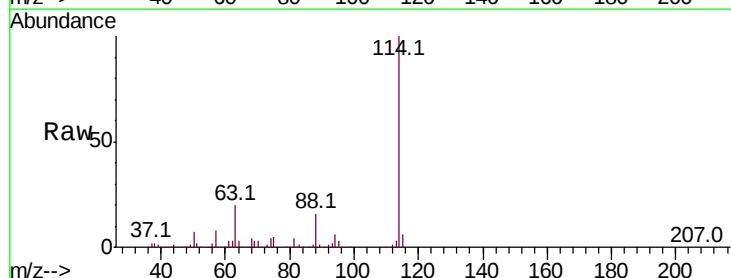
Instrument :
 MSVOA_X
 ClientSampleId :
 SS-5ME

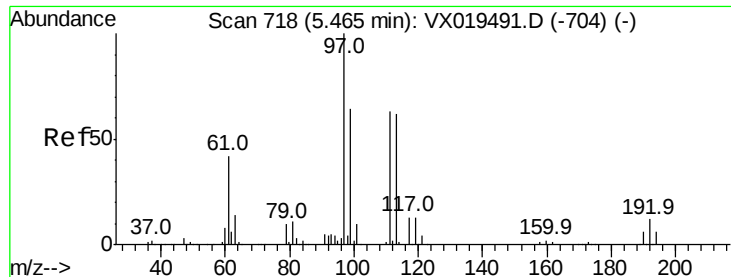
Tot Ion: 65 Resp: 173069
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019538.D
 Acq: 21 Nov 2020 09:47

Tgt Ion: 114 Resp: 475315
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.8
 88 15.7 0.0 31.6

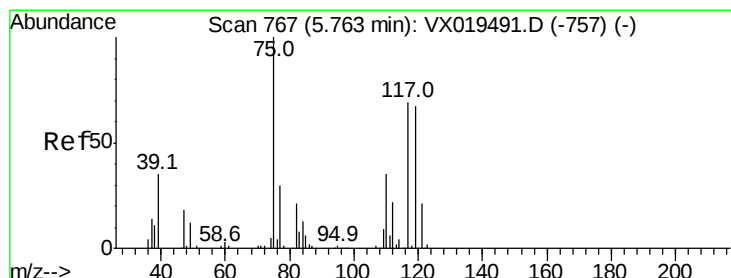
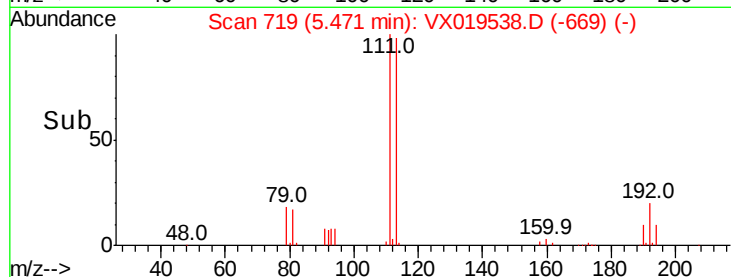
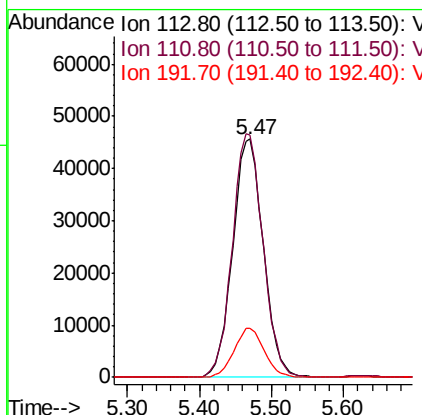
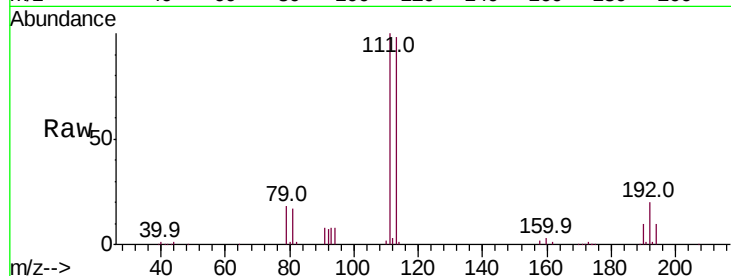




#35
Dibromofluoromethane
Concen: 45.193 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX019538.D
Acq: 21 Nov 2020 09:47

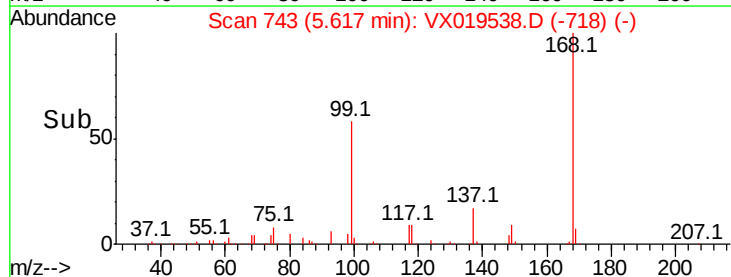
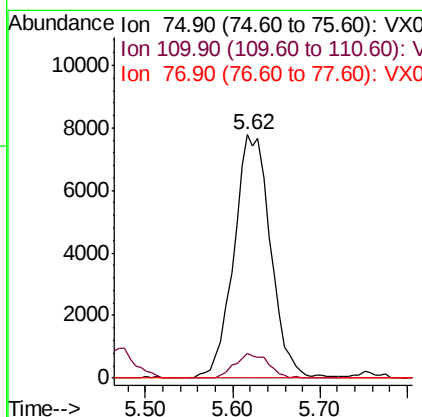
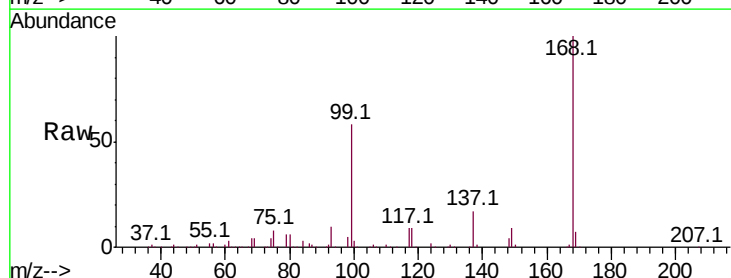
Instrument :
MSVOA_X
ClientSampleId :
SS-5ME

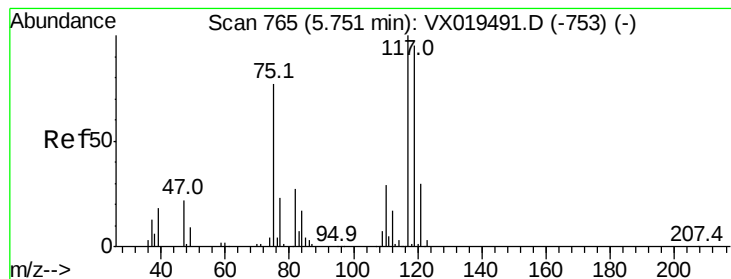
Tot Ion:113 Resp: 134837
Ion Ratio Lower Upper
113 100
111 102.1 81.5 122.3
192 20.3 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.069 ug/l
RT: 5.62 min Scan# 743
Delta R.T. -0.15 min
Lab File: VX019538.D
Acq: 21 Nov 2020 09:47

Tgt Ion: 75 Resp: 22590
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.3#
77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.571 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

Instrument :

MSVOA_X

ClientSampled :

SS-5ME

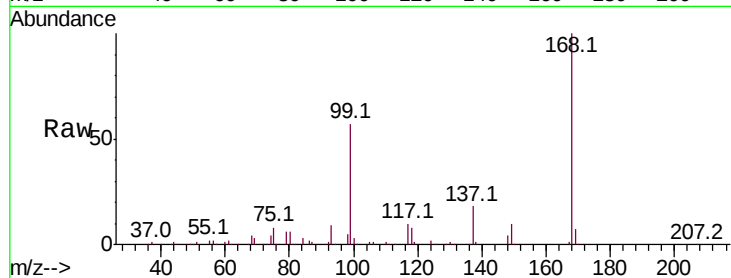
Tot Ion:117 Resp: 28343

Ion Ratio Lower Upper

117 100

119 5.8 75.9 113.9#

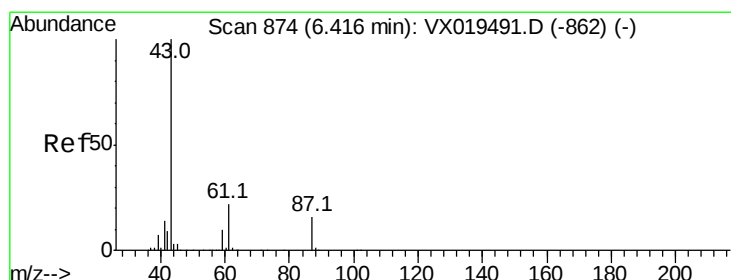
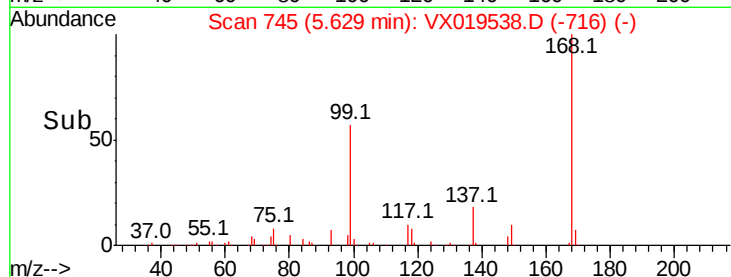
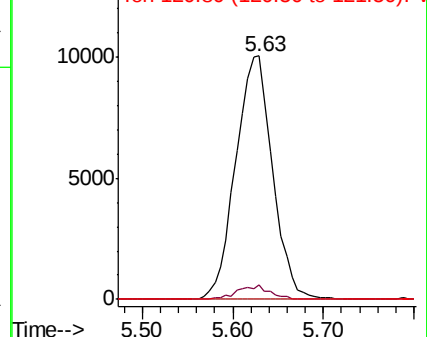
121 0.0 24.0 36.0#



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



#43

Isopropyl Acetate

Concen: 0.406 ug/l

RT: 6.44 min Scan# 878

Delta R.T. 0.02 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

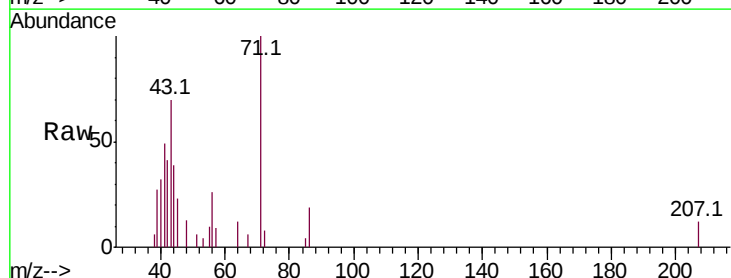
Tgt Ion: 43 Resp: 2856

Ion Ratio Lower Upper

43 100

61 0.0 18.2 27.2#

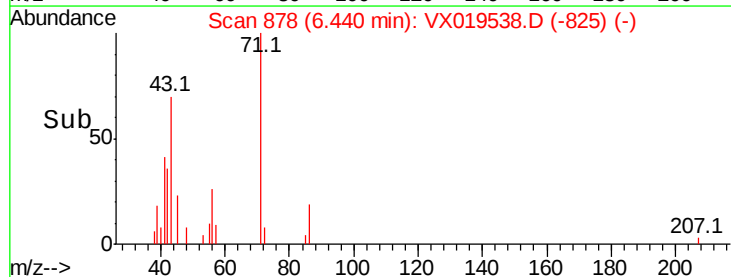
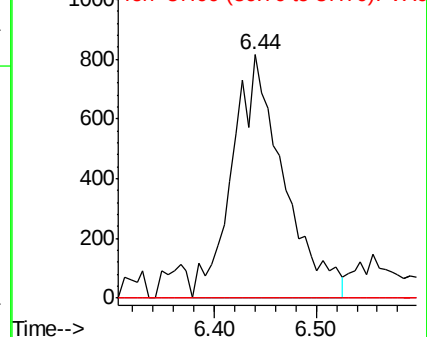
87 0.0 12.6 18.8#

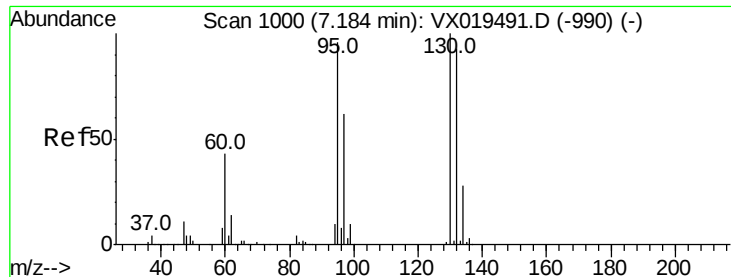


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: 8.835 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

Instrument :

MSVOA_X

ClientSampleId :

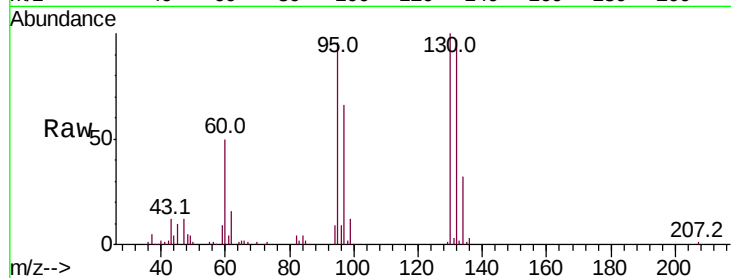
SS-5ME

Tot Ion:130 Resp: 31685

Ion Ratio Lower Upper

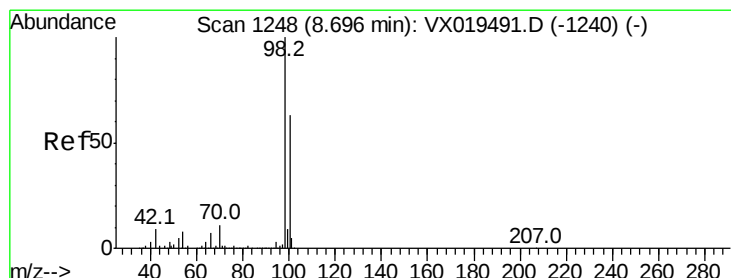
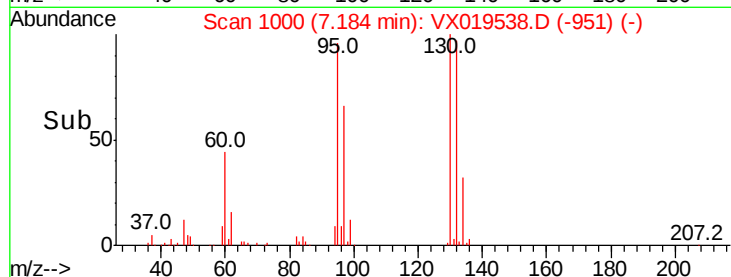
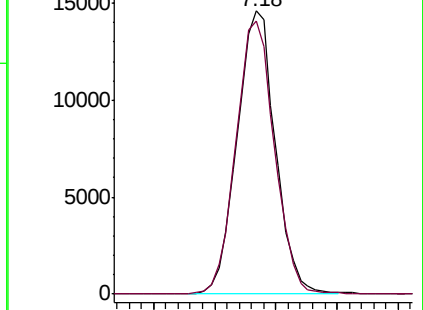
130 100

95 96.5 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: 47.583 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019538.D

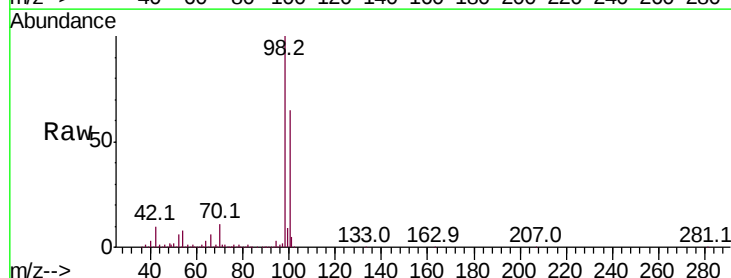
Acq: 21 Nov 2020 09:47

Tgt Ion: 98 Resp: 551662

Ion Ratio Lower Upper

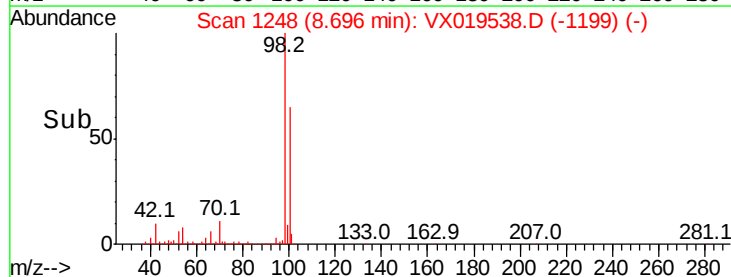
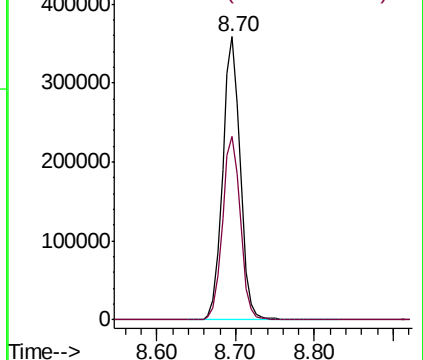
98 100

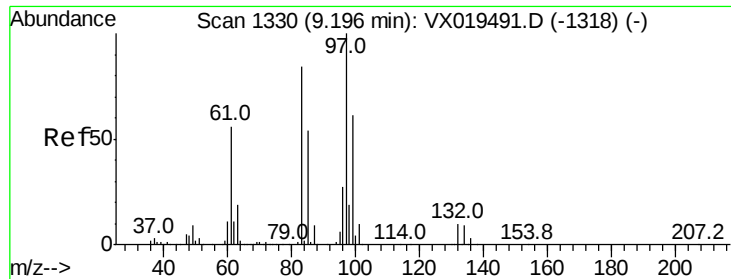
100 66.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

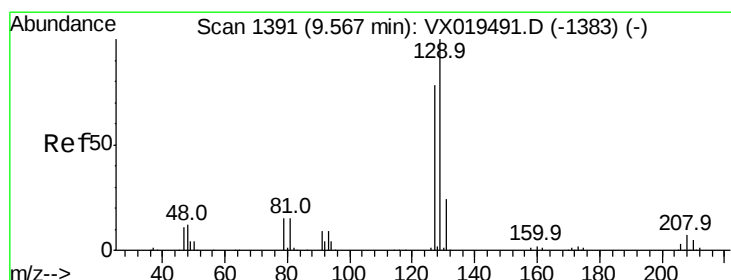
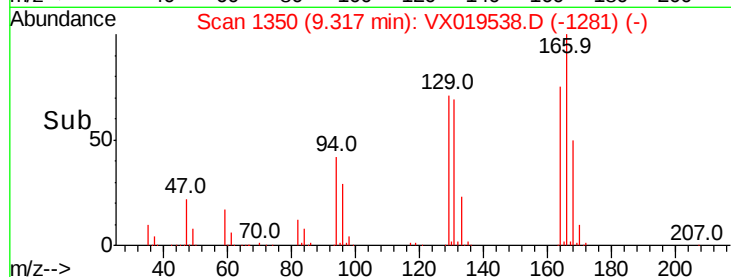
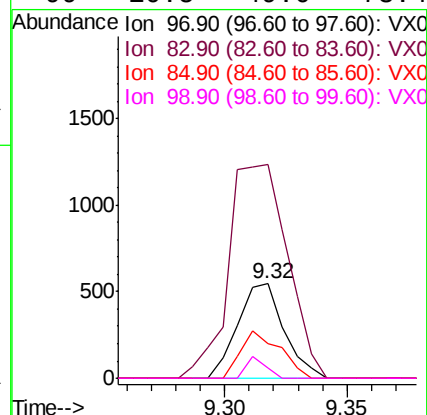
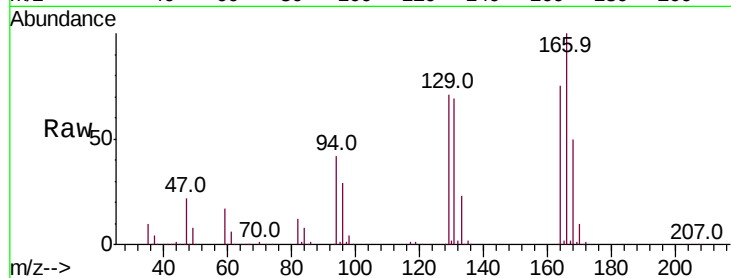




#55
 1,1,2-Trichloroethane
 Concen: 0.212 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.12 min
 Lab File: VX019538.D
 Acq: 21 Nov 2020 09:47

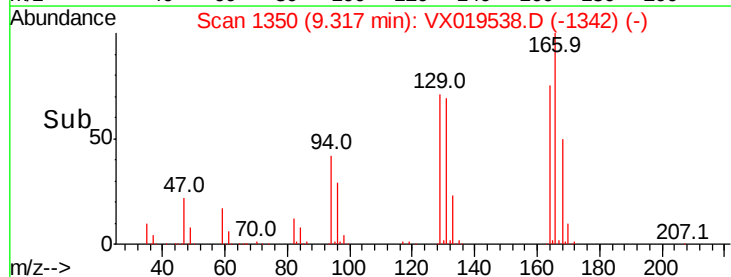
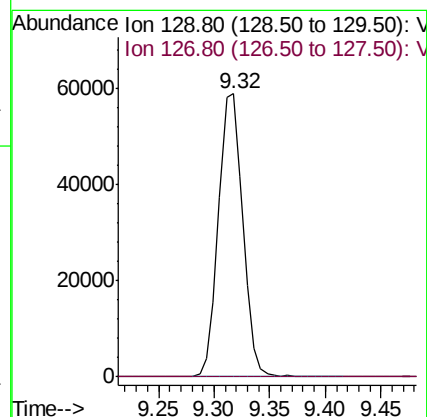
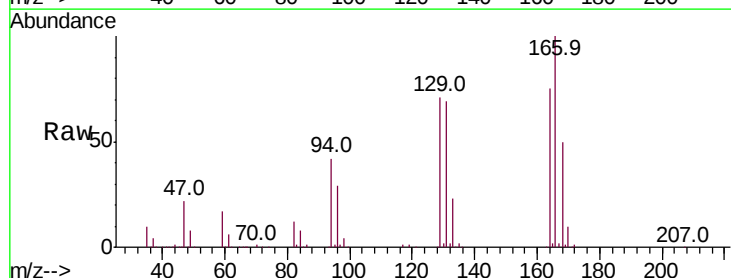
Instrument :
 MSVOA_X
 ClientSampleId :
 SS-5ME

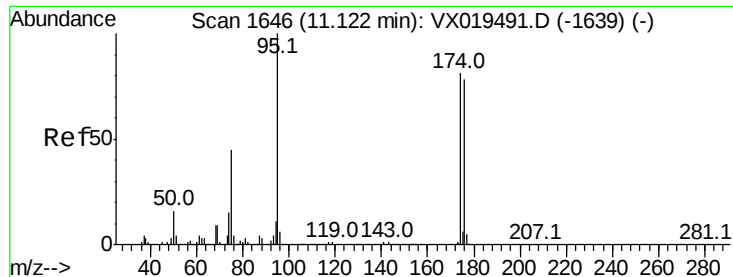
Tot Ion: 97 Resp: 723
 Ion Ratio Lower Upper
 97 100
 83 226.4 67.0 100.6#
 85 36.1 43.4 65.0#
 99 10.5 49.0 73.4#



#60
 Dibromochloromethane
 Concen: 26.820 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.25 min
 Lab File: VX019538.D
 Acq: 21 Nov 2020 09:47

Tgt Ion: 129 Resp: 89610
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 116.9#





#62

4-Bromofluorobenzene

Concen: 46.011 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

Instrument :

MSVOA_X

ClientSampleId :

SS-5ME

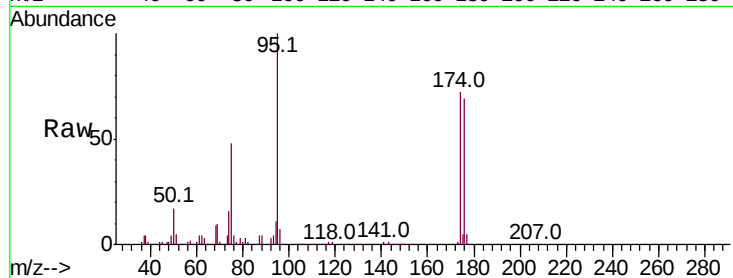
Tot Ion: 95 Resp: 191923

Ion Ratio Lower Upper

95 100

174 76.4 0.0 156.2

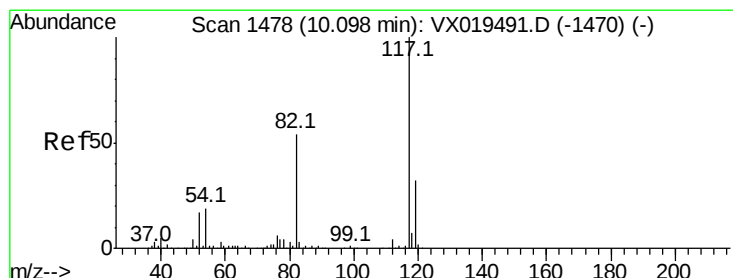
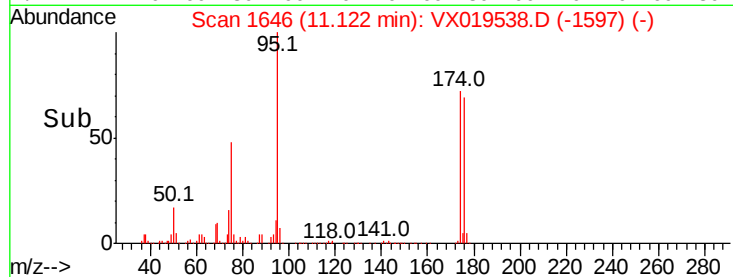
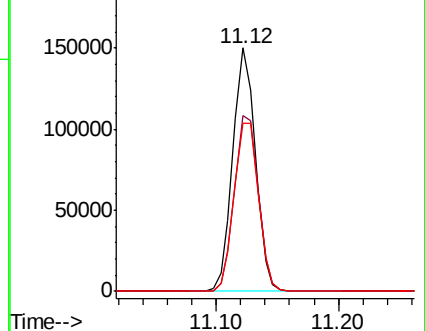
176 74.7 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX019491.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX019491.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX019491.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

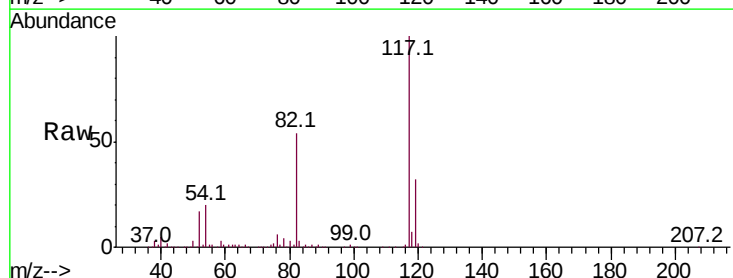
Tgt Ion: 117 Resp: 408672

Ion Ratio Lower Upper

117 100

82 53.5 43.0 64.4

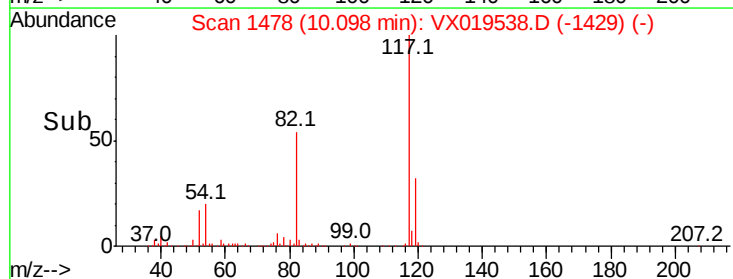
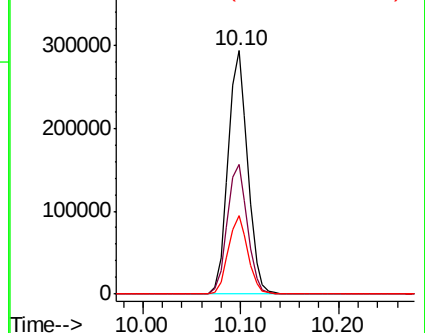
119 32.0 25.6 38.4

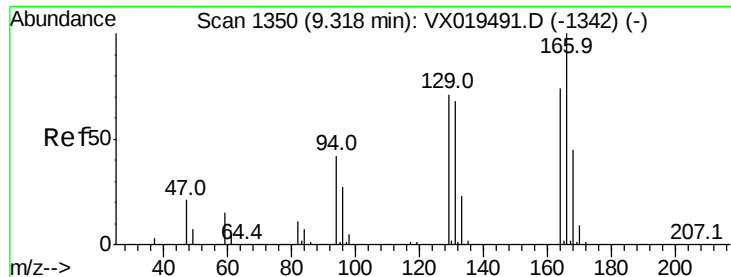


Abundance Ion 116.90 (116.60 to 117.60): VX019491.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019491.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019491.D (-1470) (-)





#64

Tetrachloroethene

Concen: 28.752 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

Instrument :

MSVOA_X

ClientSampleId :

SS-5ME

Tot Ion:164 Resp: 92363

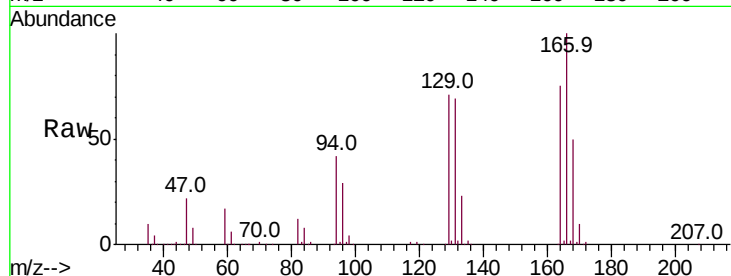
Ion Ratio Lower Upper

164 100

166 132.6 107.4 161.0

129 94.3 76.6 114.8

131 92.0 72.6 108.8

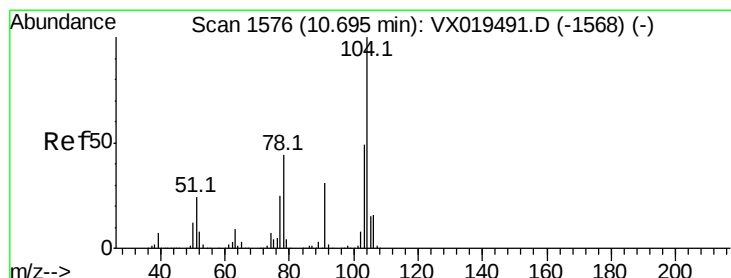
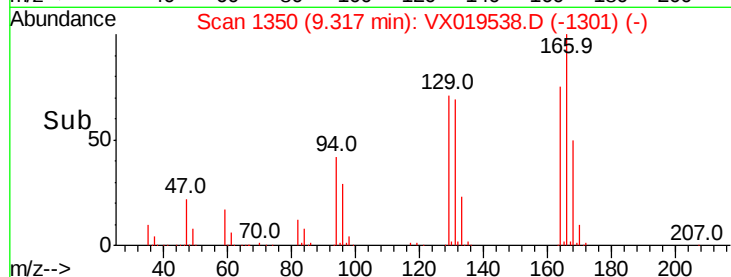
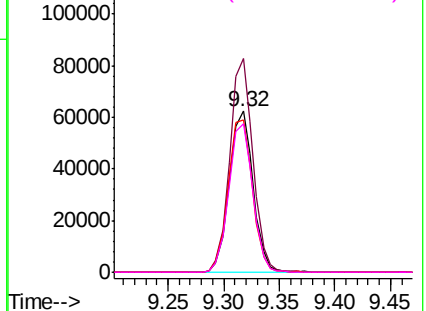


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#70

Styrene

Concen: 1.678 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

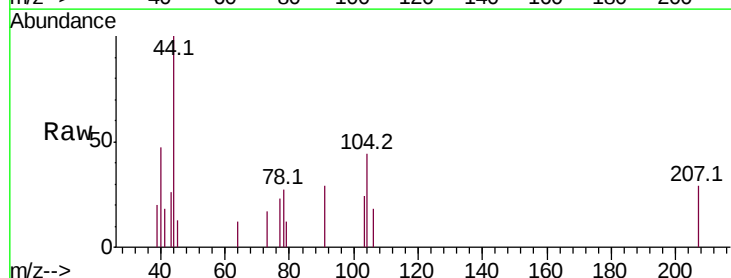
Tgt Ion:104 Resp: 320

Ion Ratio Lower Upper

104 100

78 75.3 39.5 59.3#

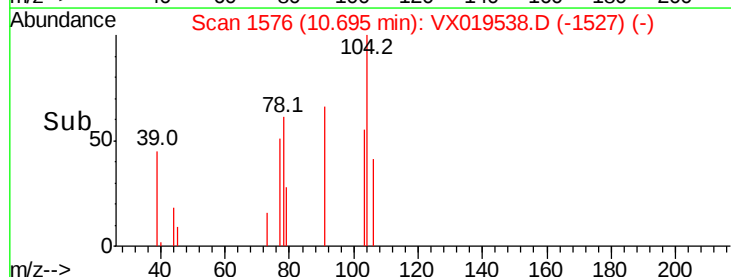
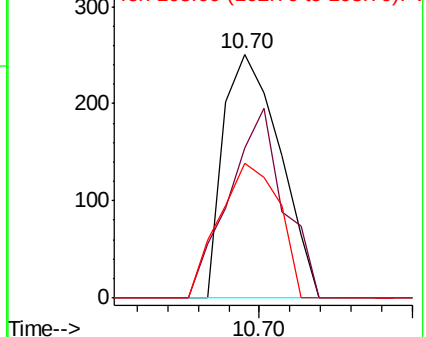
103 58.4 43.6 65.4

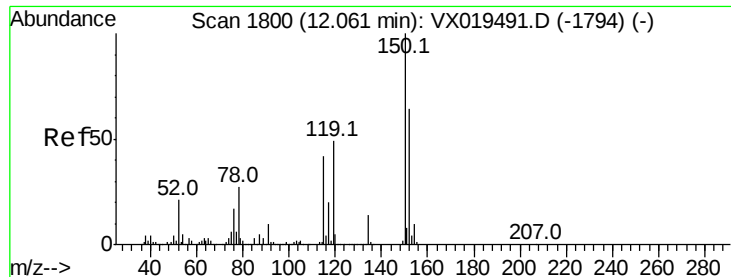


Abundance Ion 104.00 (103.70 to 104.70): V

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: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX019538.D

Acq: 21 Nov 2020 09:47

Instrument :

MSVOA_X

ClientSampleId :

SS-5ME

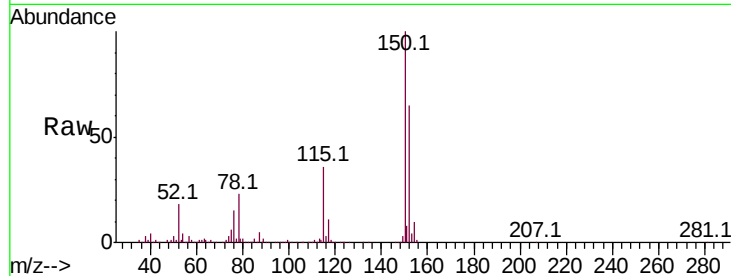
Tot Ion:152 Resp: 178804

Ion Ratio Lower Upper

152 100

115 60.4 41.8 125.4

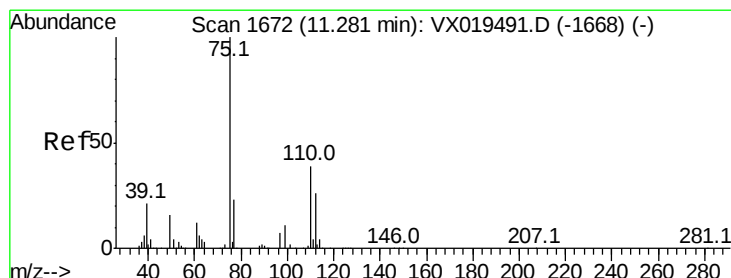
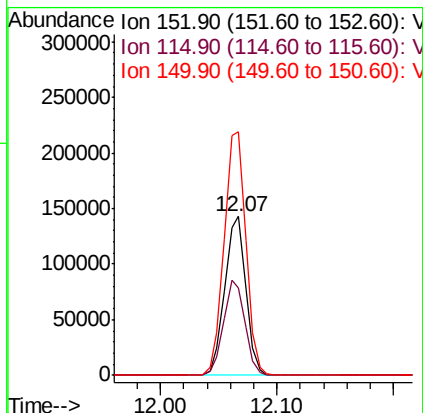
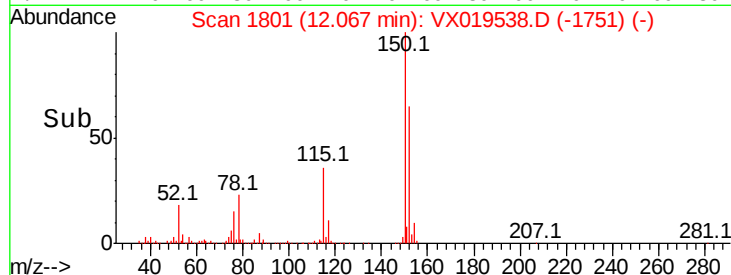
150 158.3 0.0 348.2



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: 24.103 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019538.D

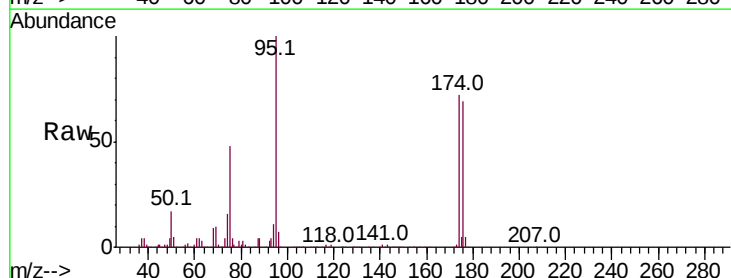
Acq: 21 Nov 2020 09:47

Tgt Ion: 75 Resp: 94054

Ion Ratio Lower Upper

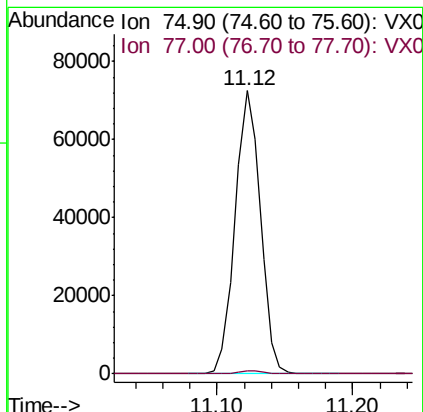
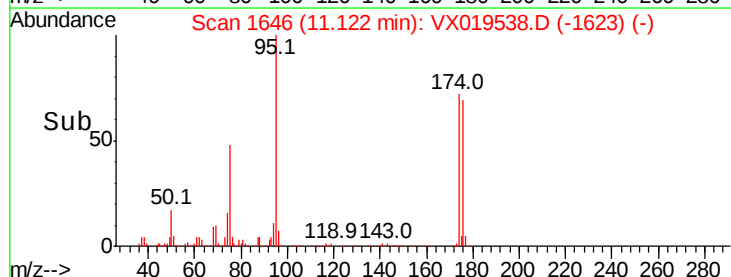
75 100

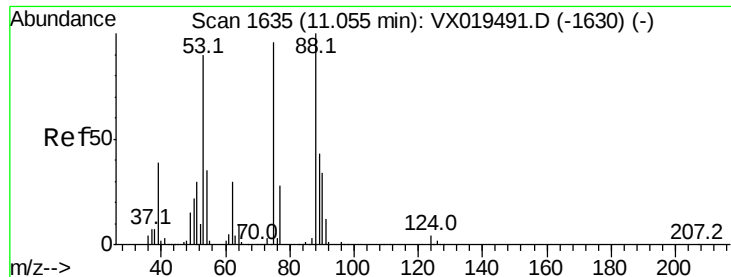
77 1.2 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

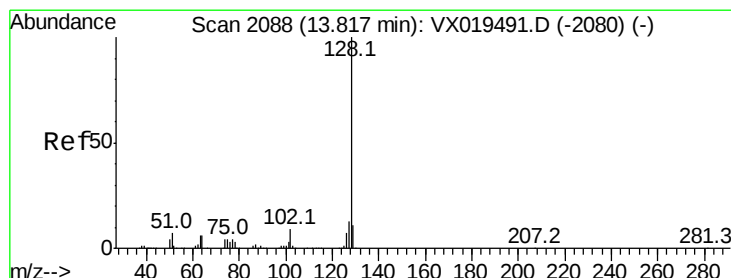
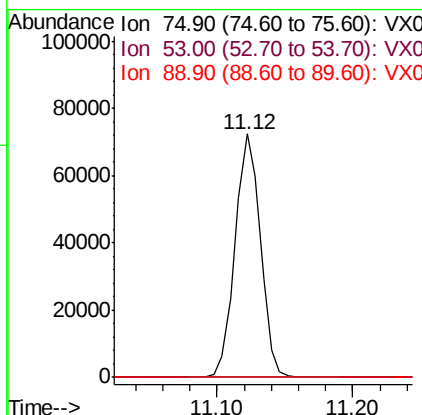
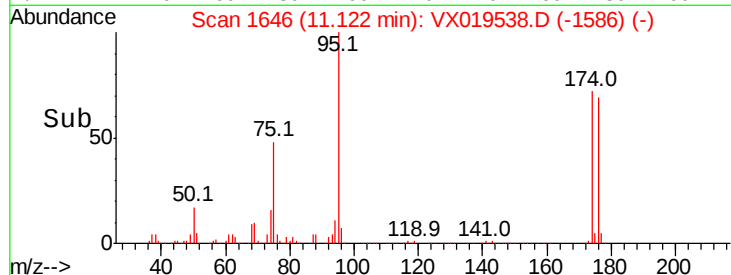
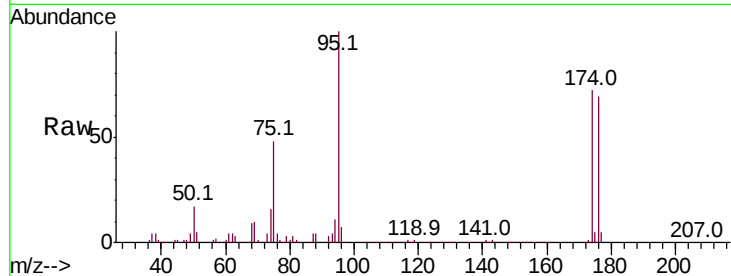




#81
trans-1,4-Dichloro-2-butene
Concen: 63.823 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019538.D
Acq: 21 Nov 2020 09:47

Instrument :
MSVOA_X
ClientSampleId :
SS-5ME

Tot Ion: 75 Resp: 94054
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.3 55.9#



#95
Naphthalene
Concen: 2.288 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019538.D
Acq: 21 Nov 2020 09:47

Tgt Ion: 128 Resp: 1518
Ion Ratio Lower Upper
128 100
127 15.5 10.3 15.5#
129 11.7 8.7 13.1

