

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
 Data File : VX044447.D
 Acq On : 20 Dec 2024 13:13
 Operator : JC/MD
 Sample : P5314-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190A-GW-678-680

Quant Time: Dec 20 14:08:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

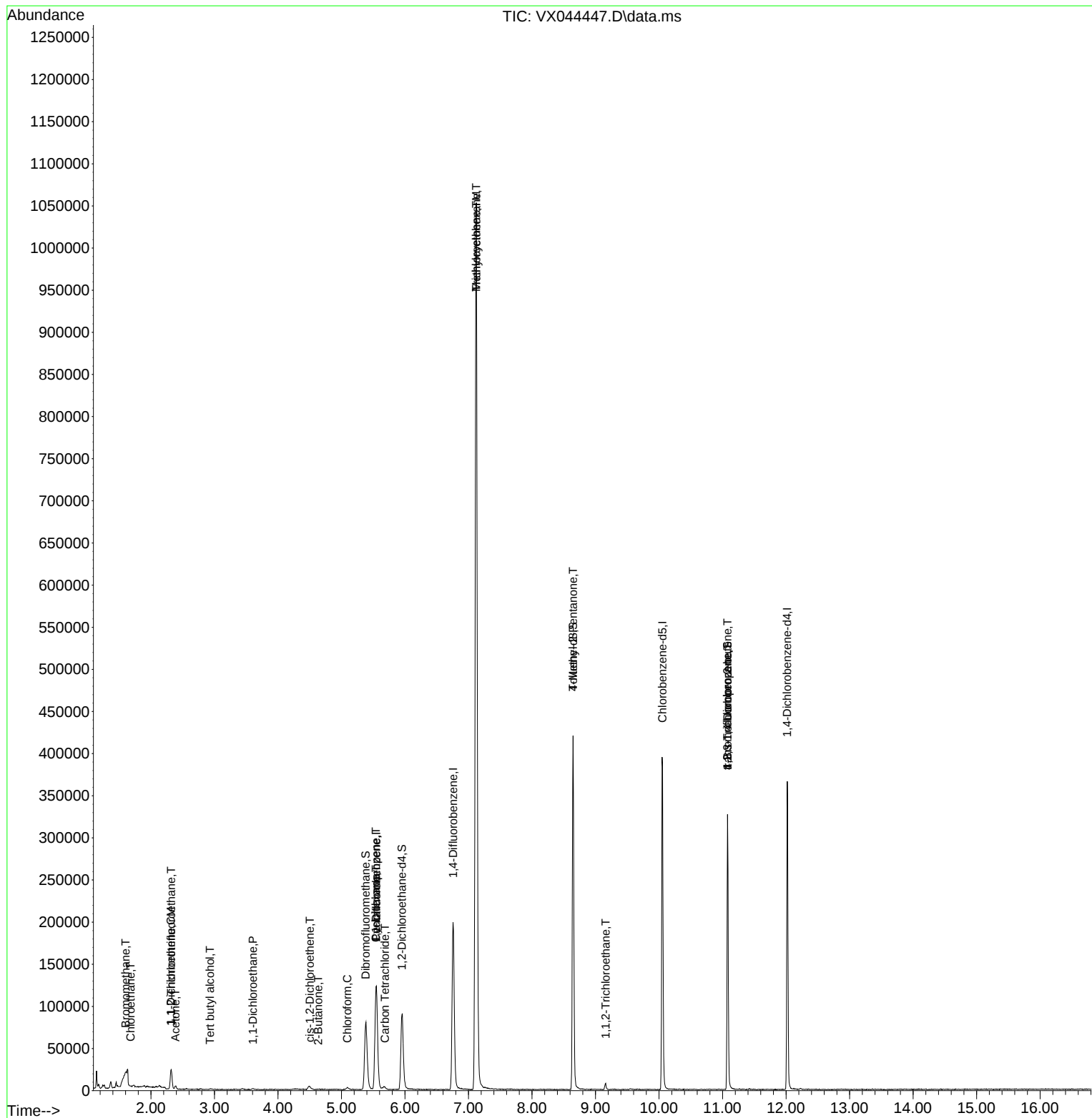
Internal Standards						
1) Pentafluorobenzene	5.550	168	116922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	205157	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87608	42.735	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.480%
35) Dibromofluoromethane	5.379	113	68550	48.244	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.480%
50) Toluene-d8	8.647	98	246944	51.514	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.020%
62) 4-Bromofluorobenzene	11.079	95	83804	50.031	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.060%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	401	0.314	ug/l #	3
6) Chloroethane	1.678	64	253	0.226	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.319	101	7662	5.370	ug/l	96
11) Tert butyl alcohol	2.928	59	229	0.793	ug/l #	71
12) 1,1-Dichloroethene	2.312	96	1852	1.413	ug/l #	77
16) Acetone	2.386	43	4141	4.955	ug/l	91
24) 1,1-Dichloroethane	3.605	63	1238	0.452	ug/l #	82
25) 2-Butanone	4.635	43	507	0.427	ug/l #	50
27) cis-1,2-Dichloroethene	4.501	96	1641	0.928	ug/l	60
30) Chloroform	5.092	83	2628	0.854	ug/l #	79
31) Cyclohexane	5.544	56	3273	1.479	ug/l #	58
36) 1,1-Dichloropropene	5.544	75	10057	5.476	ug/l #	47
38) Carbon Tetrachloride	5.684	117	2826	1.429	ug/l #	73
39) Methylcyclohexane	7.123	83	5336	2.430	ug/l #	1
44) Trichloroethene	7.123	130	401769	288.909	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	1048	0.459	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1835	1.319	ug/l #	80
76) 1,2,3-Trichloropropane	11.079	75	44884	27.120	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	44884	74.622	ug/l #	4

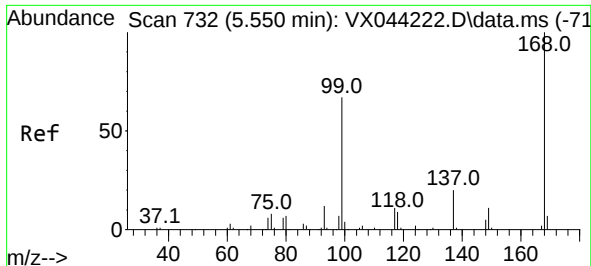
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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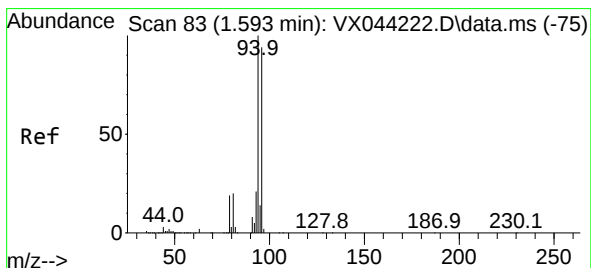
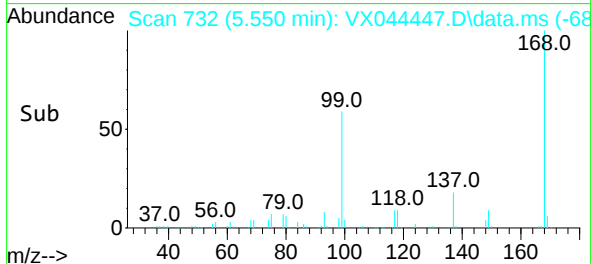
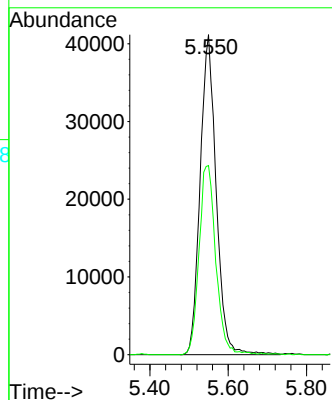
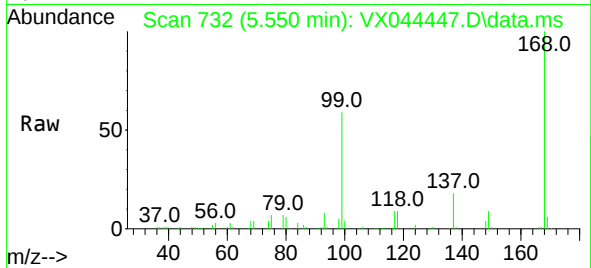




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

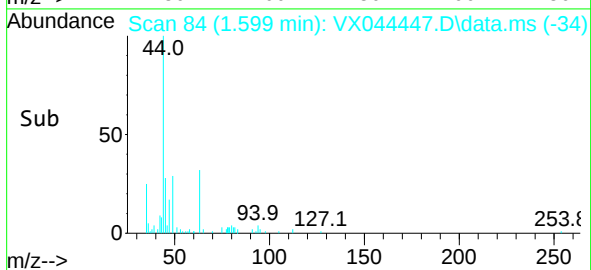
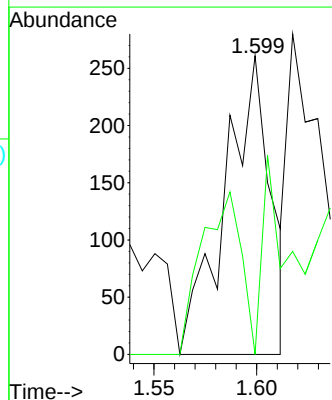
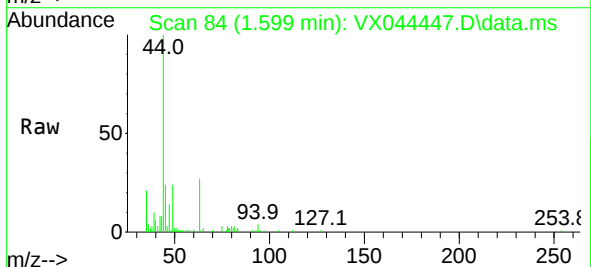
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-678-680

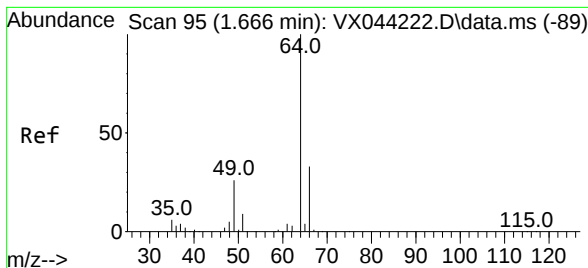
Tgt Ion:168 Resp: 116922
Ion Ratio Lower Upper
168 100
99 59.1 53.4 80.0



#5
Bromomethane
Concen: 0.314 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

Tgt Ion: 94 Resp: 401
Ion Ratio Lower Upper
94 100
96 0.0 74.9 112.3#





#6

Chloroethane

Concen: 0.226 ug/l

RT: 1.678 min Scan# 91

Delta R.T. 0.012 min

Lab File: VX044447.D

Acq: 20 Dec 2024 13:13

Instrument :

MSVOA_X

ClientSampleId :

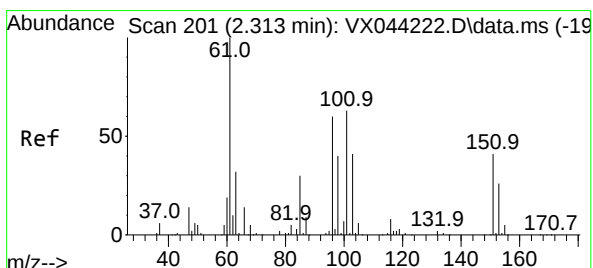
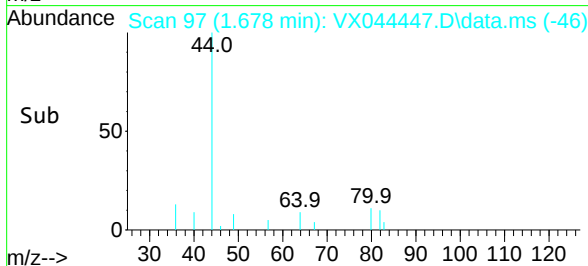
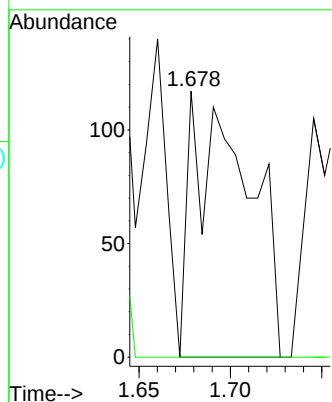
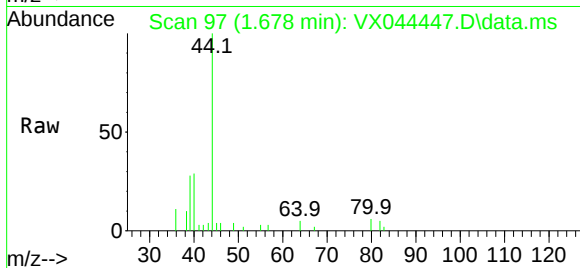
BP-VPB-190A-GW-678-680

Tgt Ion: 64 Resp: 253

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.370 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX044447.D

Acq: 20 Dec 2024 13:13

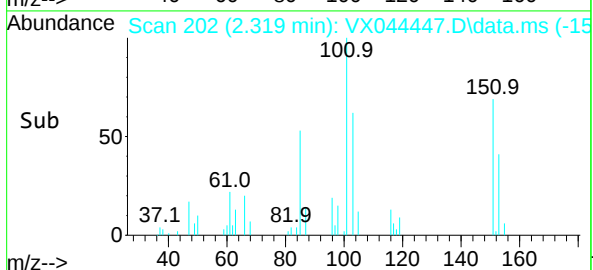
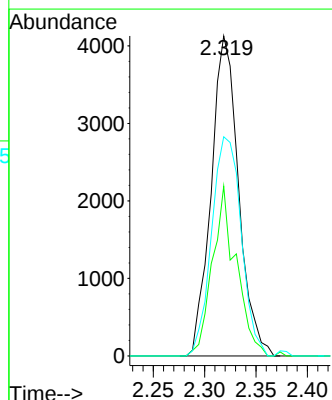
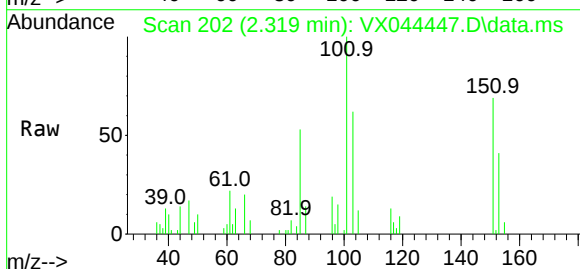
Tgt Ion: 101 Resp: 7662

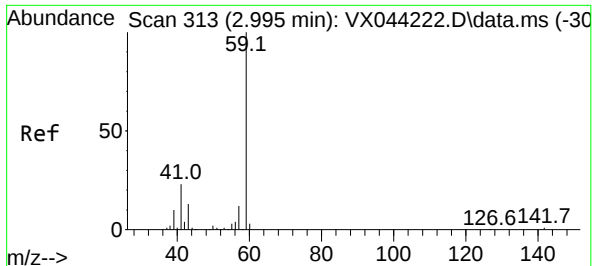
Ion Ratio Lower Upper

101 100

85 46.0 38.5 57.7

151 74.0 55.8 83.6





#11

Tert butyl alcohol

Concen: 0.793 ug/l

RT: 2.928 min Scan# 30

Delta R.T. -0.067 min

Lab File: VX044447.D

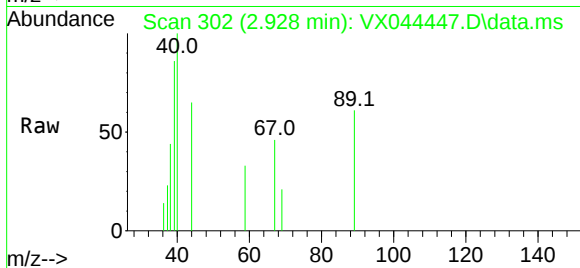
Acq: 20 Dec 2024 13:13

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190A-GW-678-680

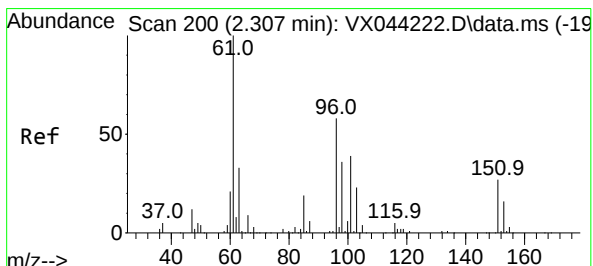
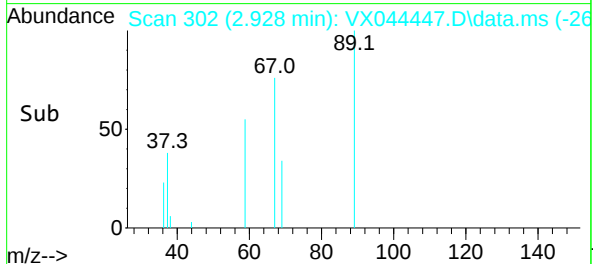
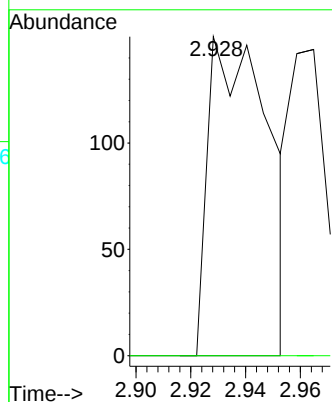


Tgt Ion: 59 Resp: 229

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#12

1,1-Dichloroethene

Concen: 1.413 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX044447.D

Acq: 20 Dec 2024 13:13

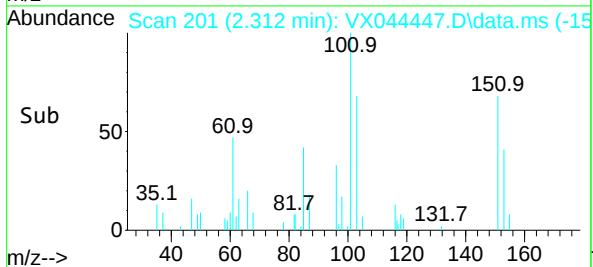
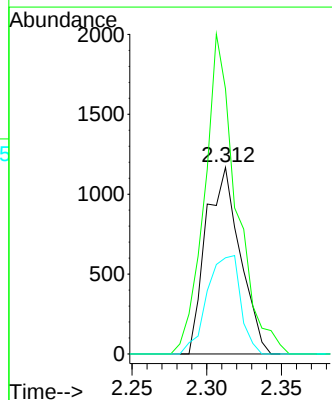
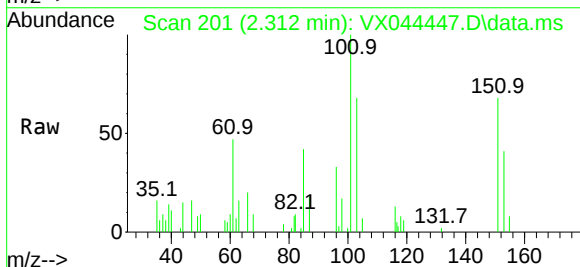
Tgt Ion: 96 Resp: 1852

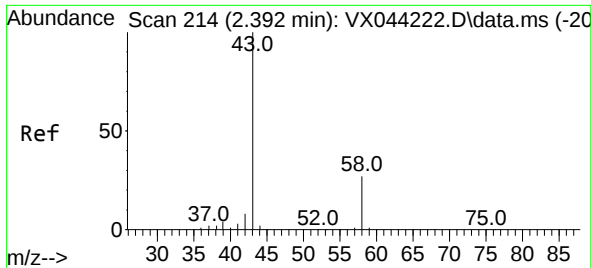
Ion Ratio Lower Upper

96 100

61 137.2 138.0 207.0#

98 51.5 50.0 75.0

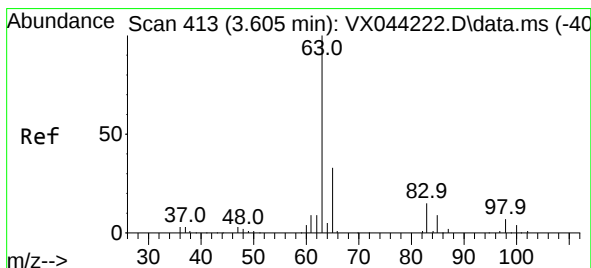
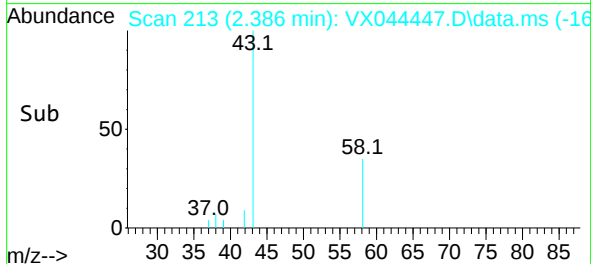
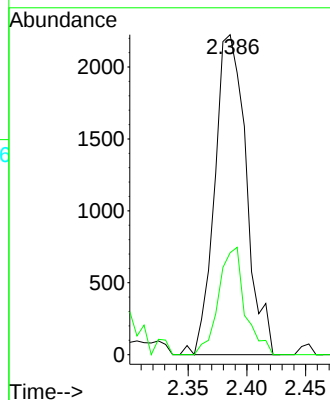
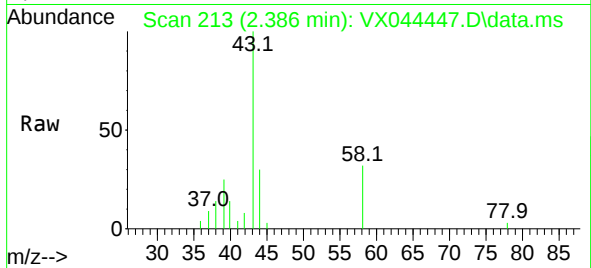




#16
Acetone
Concen: 4.955 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

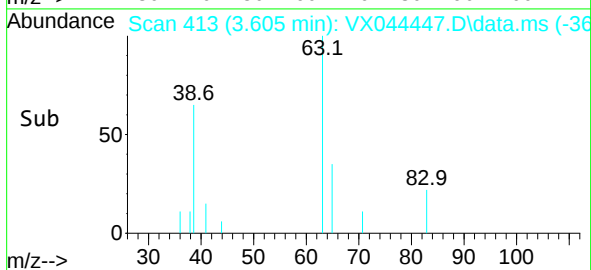
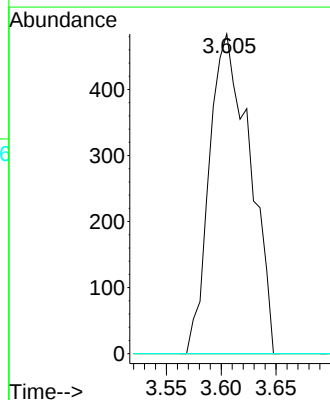
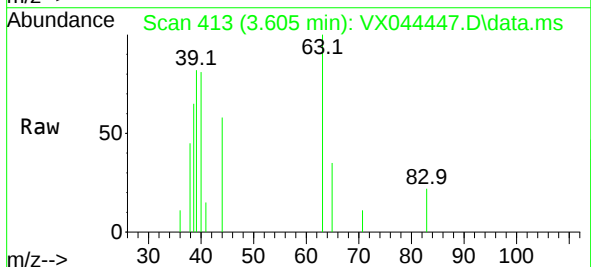
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-678-680

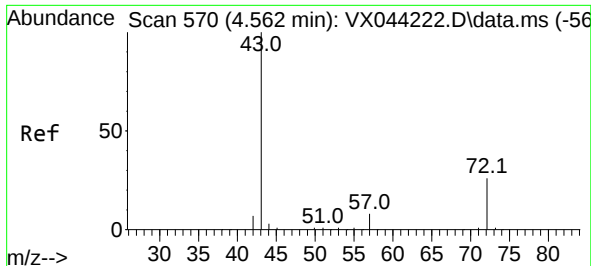
Tgt Ion: 43 Resp: 4141
Ion Ratio Lower Upper
43 100
58 31.9 21.6 32.4



#24
1,1-Dichloroethane
Concen: 0.452 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

Tgt Ion: 63 Resp: 1238
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.1 6.3#

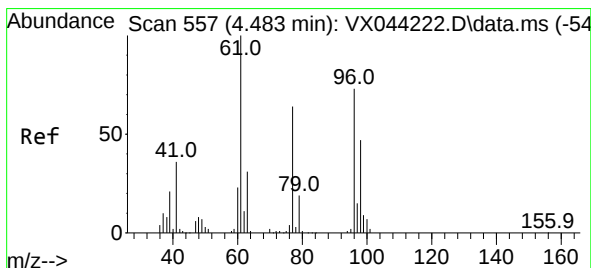
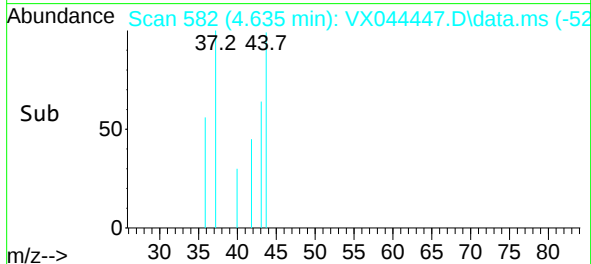
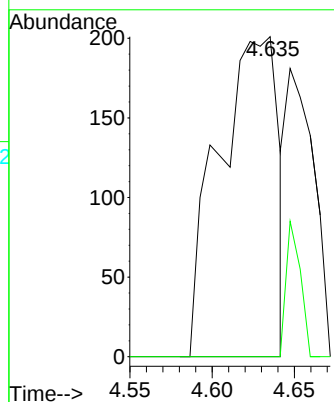
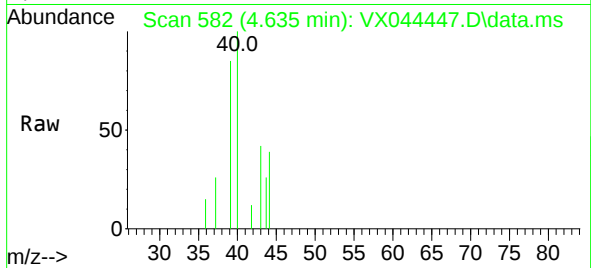




#25
2-Butanone
Concen: 0.427 ug/l
RT: 4.635 min Scan# 51
Delta R.T. 0.073 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

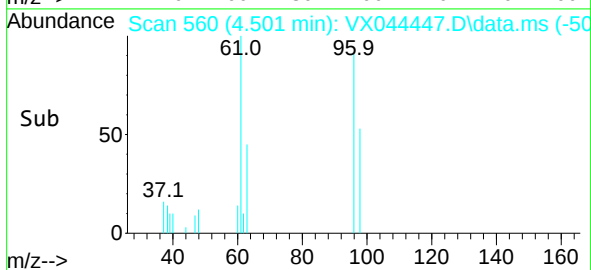
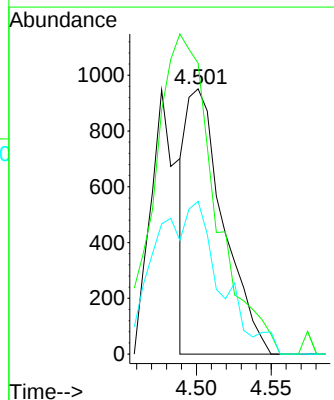
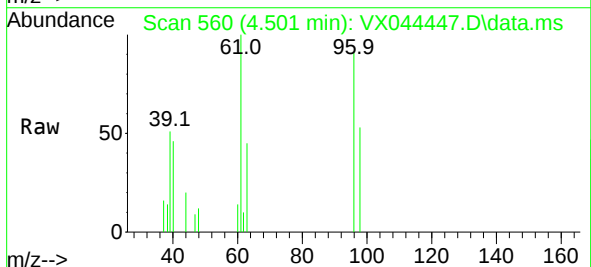
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BP-VPB-190A-GW-678-680

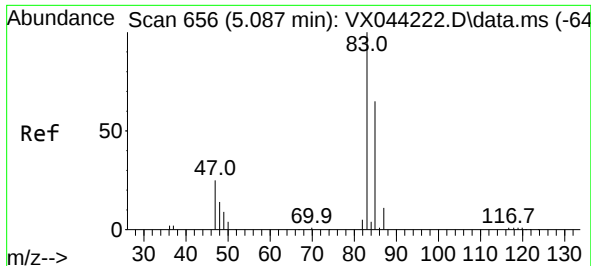
Tgt Ion: 43 Resp: 507
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#27
cis-1,2-Dichloroethene
Concen: 0.928 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.018 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

Tgt Ion: 96 Resp: 1641
Ion Ratio Lower Upper
96 100
61 196.2 0.0 299.0
98 101.6 0.0 129.0





#30

Chloroform

Concen: 0.854 ug/l

RT: 5.092 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX044447.D

Acq: 20 Dec 2024 13:13

Instrument :

MSVOA_X

ClientSampleId :

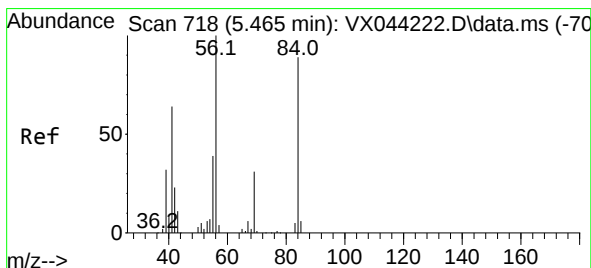
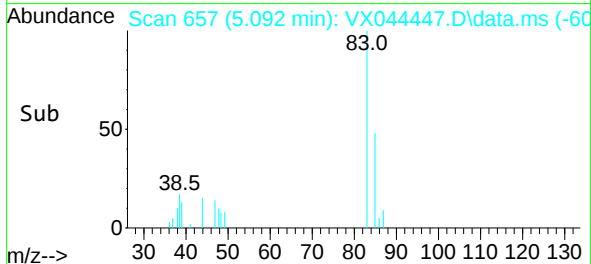
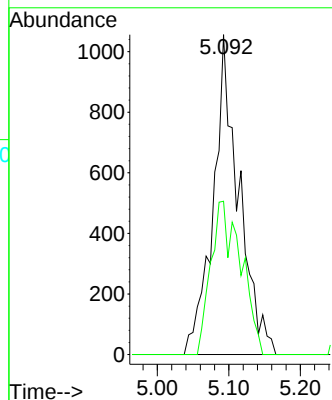
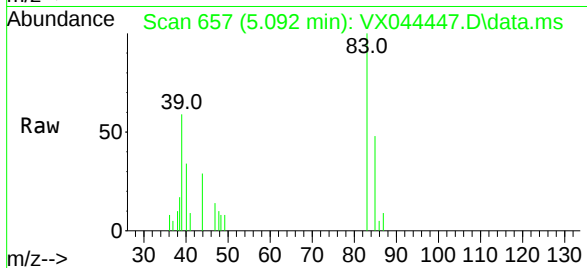
BP-VPB-190A-GW-678-680

Tgt Ion: 83 Resp: 2628

Ion Ratio Lower Upper

83 100

85 47.9 51.6 77.4#



#31

Cyclohexane

Concen: 1.479 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX044447.D

Acq: 20 Dec 2024 13:13

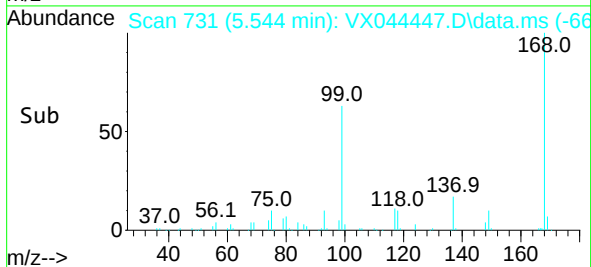
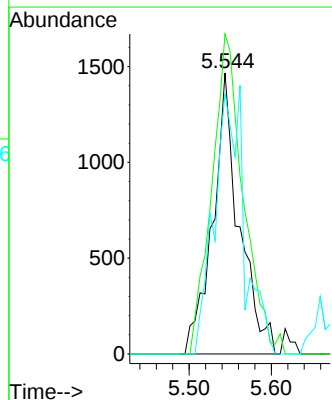
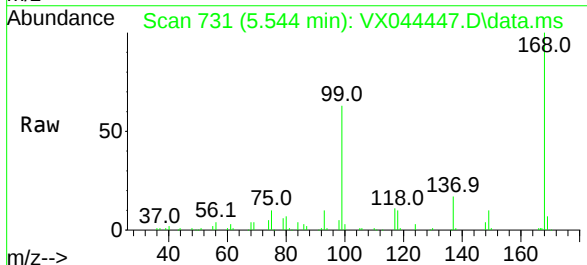
Tgt Ion: 56 Resp: 3273

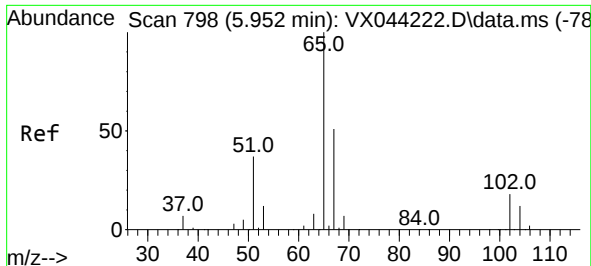
Ion Ratio Lower Upper

56 100

69 113.9 24.7 37.1#

84 92.6 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 42.735 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044447.D

Acq: 20 Dec 2024 13:13

Instrument :

MSVOA_X

ClientSampleId :

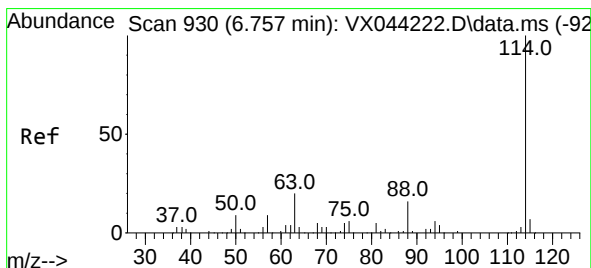
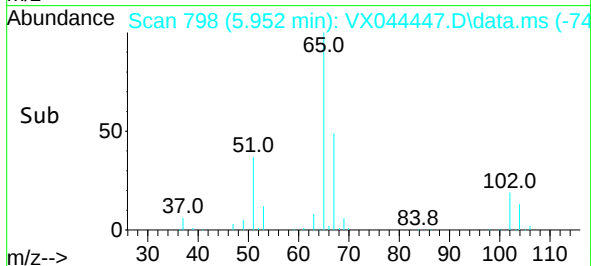
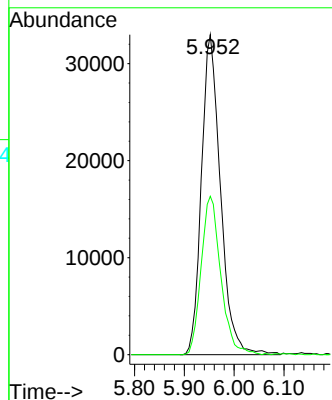
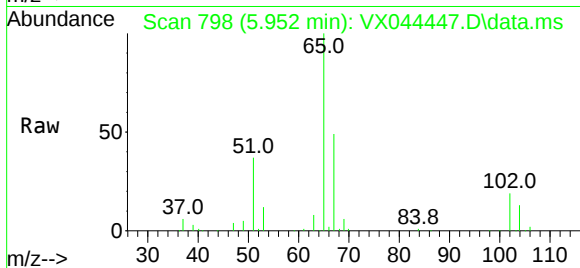
BP-VPB-190A-GW-678-680

Tgt Ion: 65 Resp: 87608

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044447.D

Acq: 20 Dec 2024 13:13

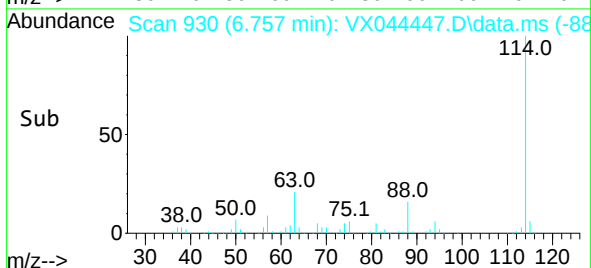
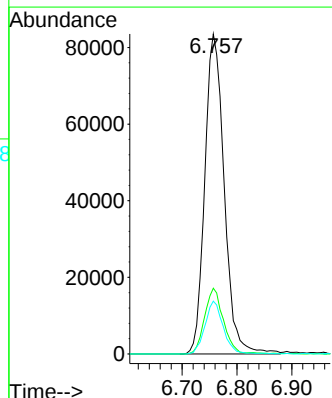
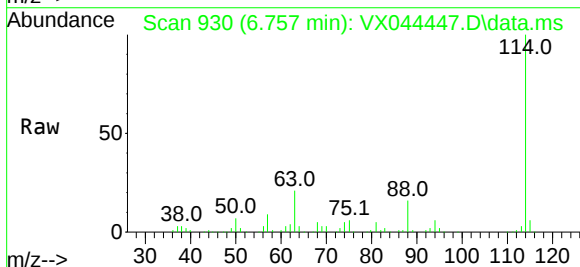
Tgt Ion: 114 Resp: 205157

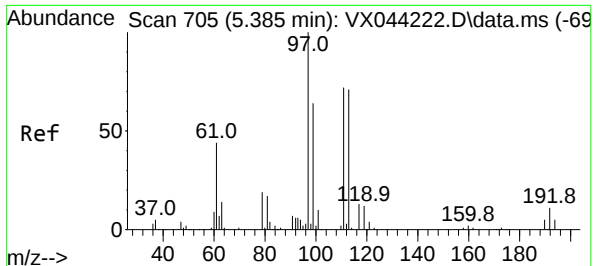
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.6

88 16.5 0.0 31.8

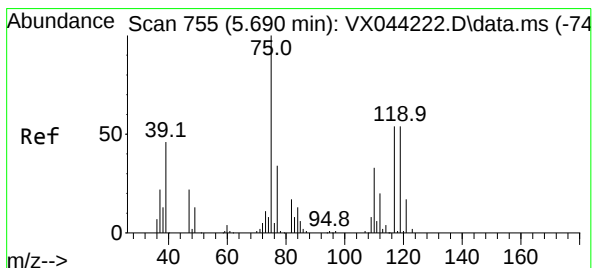
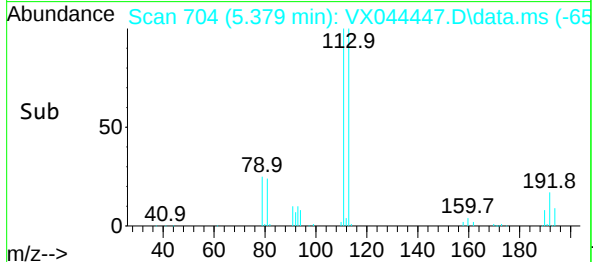
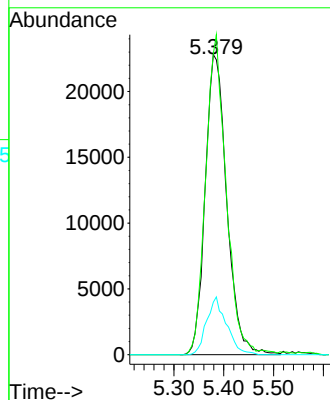
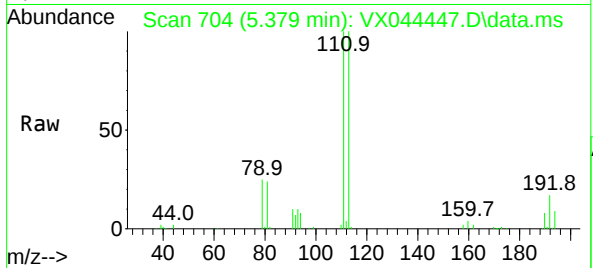




#35
Dibromofluoromethane
Concen: 48.244 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

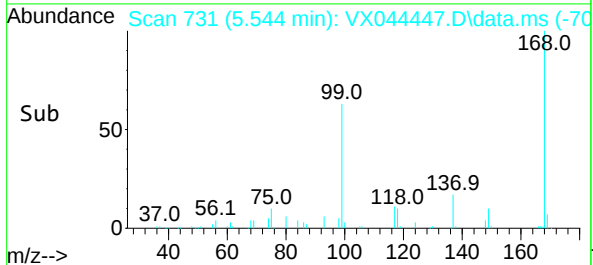
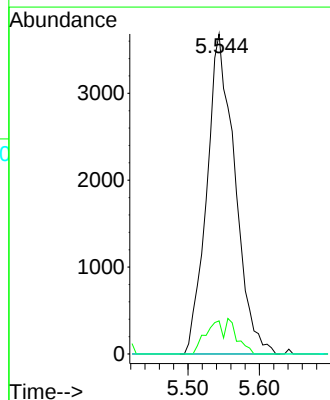
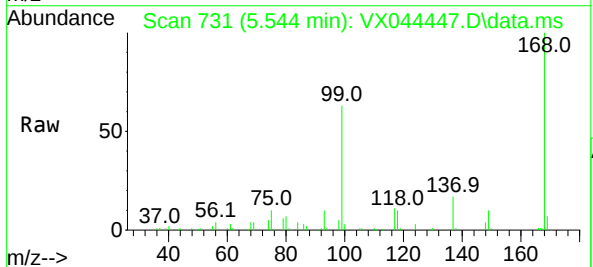
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-678-680

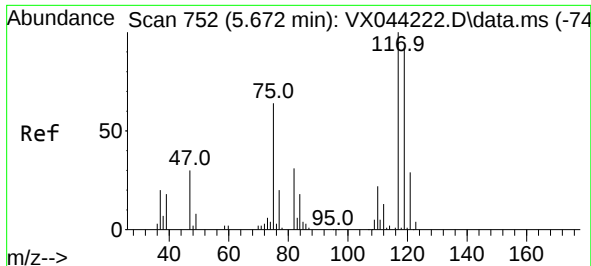
Tgt Ion:113 Resp: 68550
Ion Ratio Lower Upper
113 100
111 101.0 80.4 120.6
192 17.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.476 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

Tgt Ion: 75 Resp: 10057
Ion Ratio Lower Upper
75 100
110 6.4 17.3 51.7#
77 0.0 25.4 38.0#

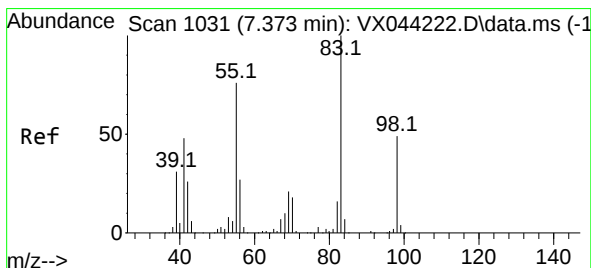
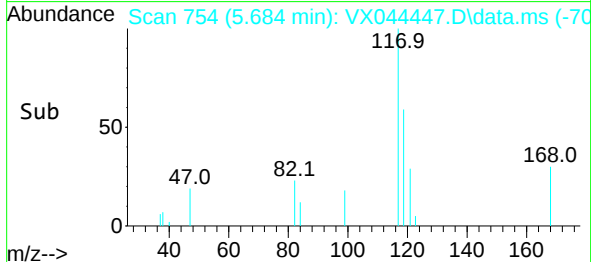
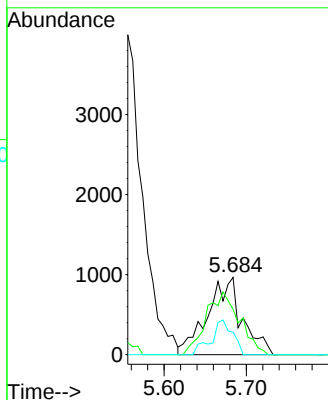
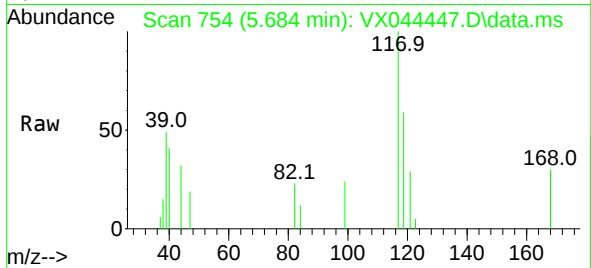




#38
Carbon Tetrachloride
Concen: 1.429 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

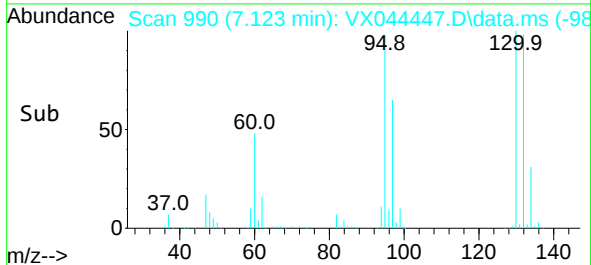
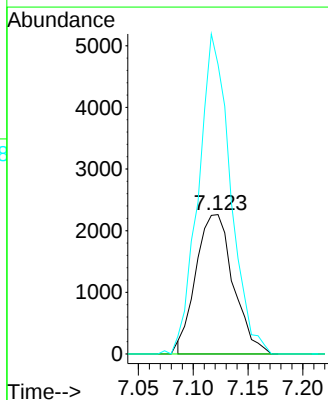
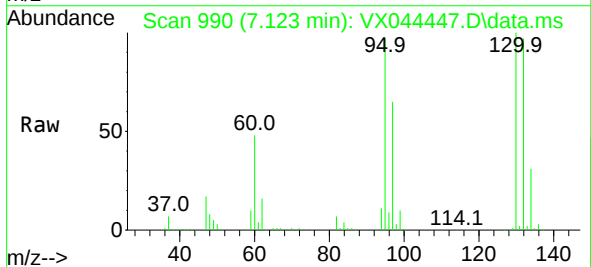
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-678-680

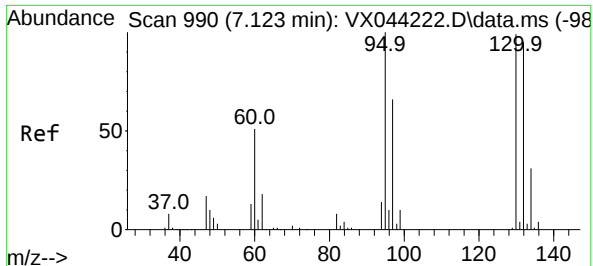
Tgt Ion:117 Resp: 2826
Ion Ratio Lower Upper
117 100
119 58.8 74.2 111.4#
121 29.0 23.0 34.6



#39
Methylcyclohexane
Concen: 2.430 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

Tgt Ion: 83 Resp: 5336
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 207.6 38.9 58.3#

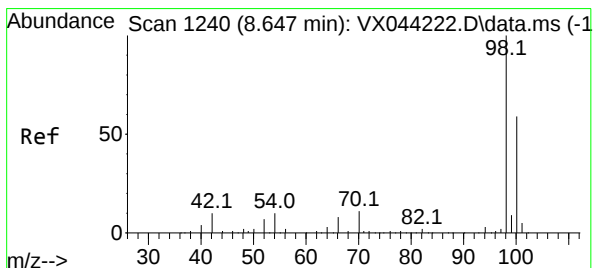
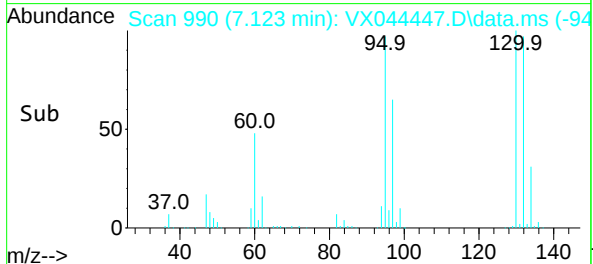
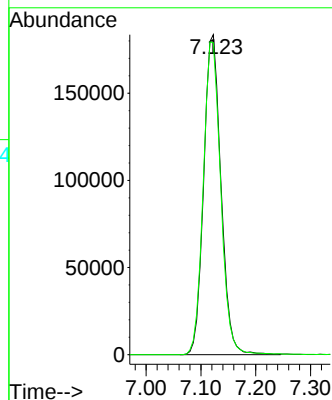
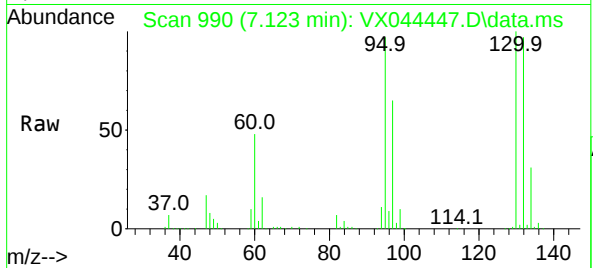




#44
Trichloroethene
Concen: 288.909 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

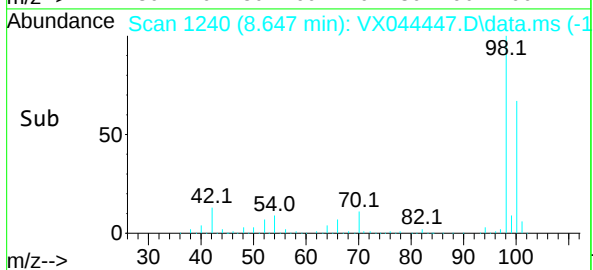
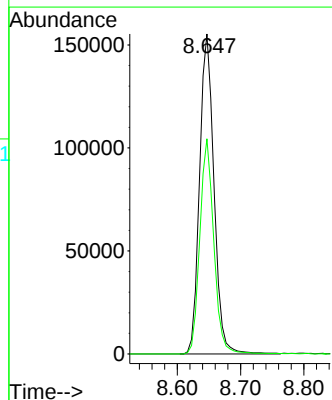
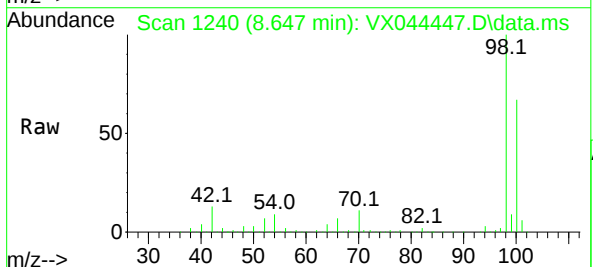
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-678-680

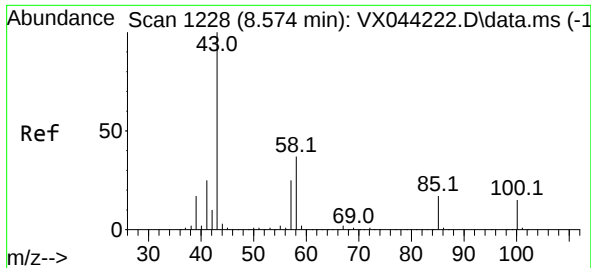
Tgt Ion:130 Resp: 401769
Ion Ratio Lower Upper
130 100
95 97.5 0.0 201.4



#50
Toluene-d8
Concen: 51.514 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

Tgt Ion: 98 Resp: 246944
Ion Ratio Lower Upper
98 100
100 65.3 51.5 77.3

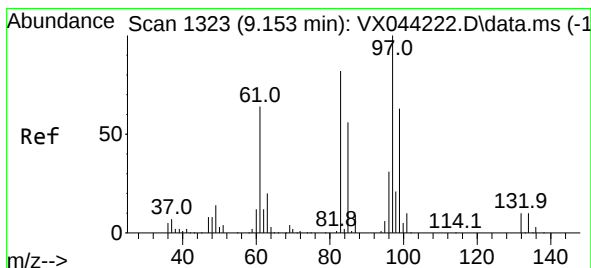
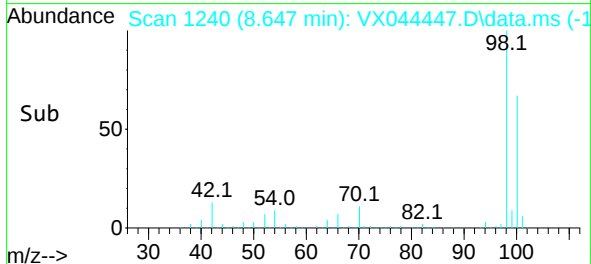
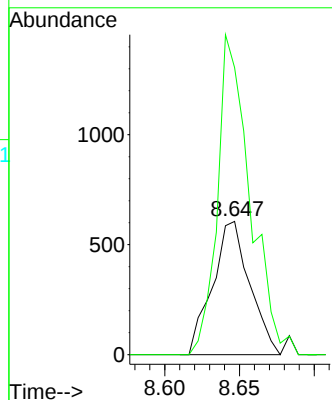
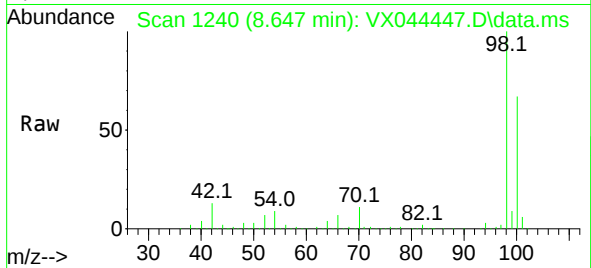




#51
4-Methyl-2-Pentanone
Concen: 0.459 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

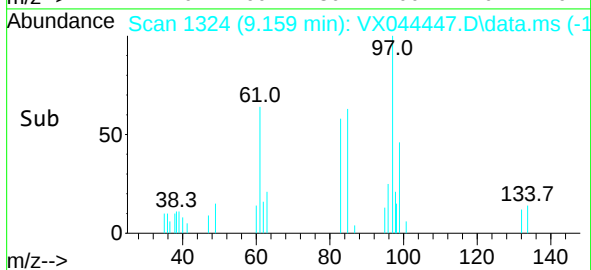
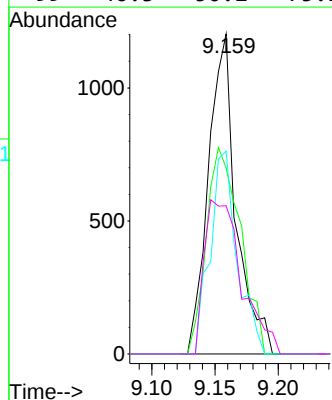
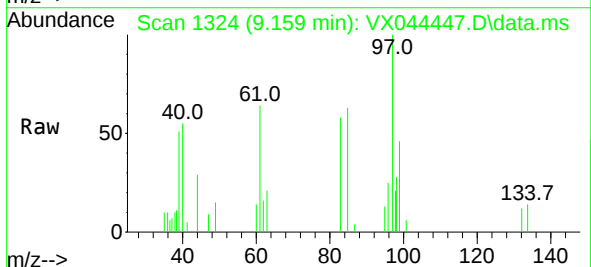
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-678-680

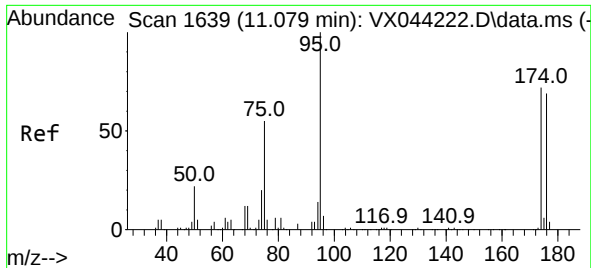
Tgt Ion: 43 Resp: 1048
Ion Ratio Lower Upper
43 100
58 210.6 29.4 44.0#



#55
1,1,2-Trichloroethane
Concen: 1.319 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

Tgt Ion: 97 Resp: 1835
Ion Ratio Lower Upper
97 100
83 58.1 65.3 97.9#
85 63.3 44.6 67.0
99 46.3 50.2 75.2#

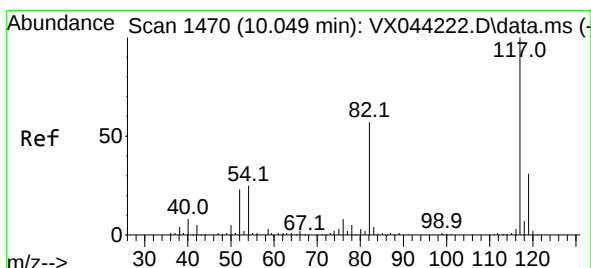
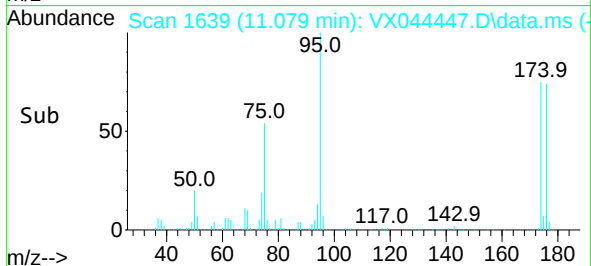
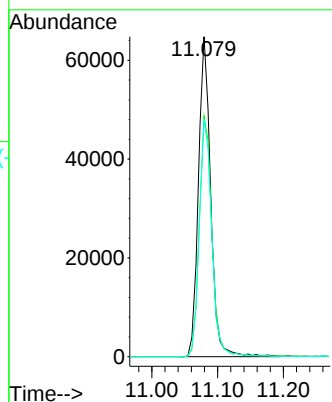
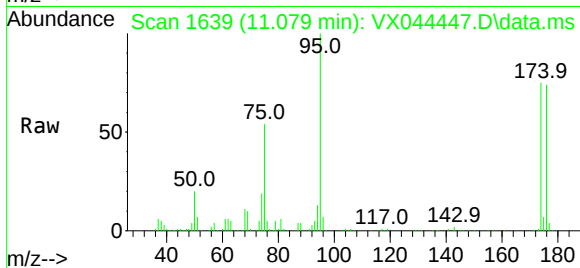




#62
4-Bromofluorobenzene
Concen: 50.031 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

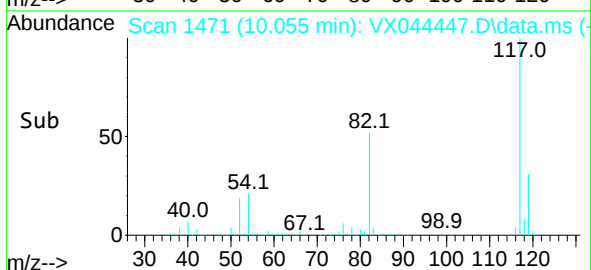
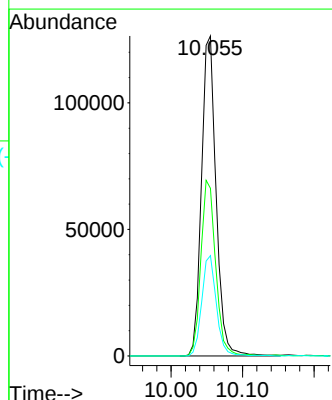
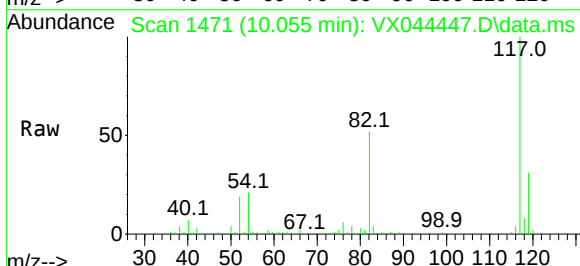
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-678-680

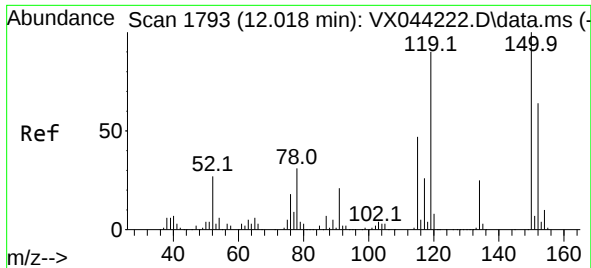
Tgt Ion: 95 Resp: 83804
Ion Ratio Lower Upper
95 100
174 77.8 0.0 145.8
176 76.2 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

Tgt Ion: 117 Resp: 179312
Ion Ratio Lower Upper
117 100
82 52.4 45.8 68.8
119 31.4 25.0 37.4

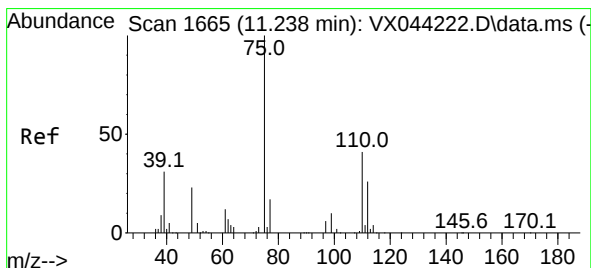
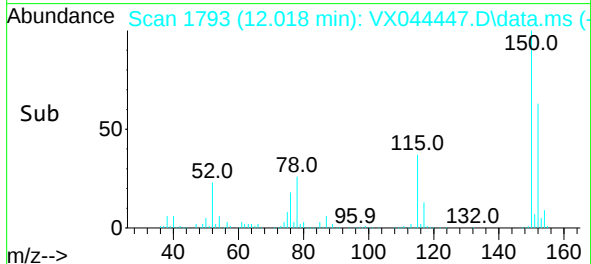
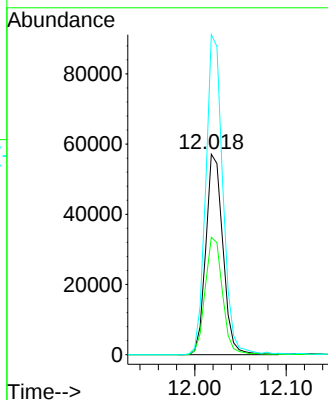
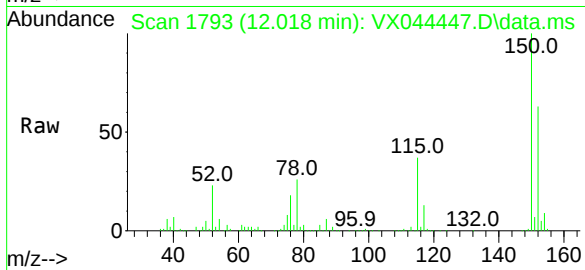




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

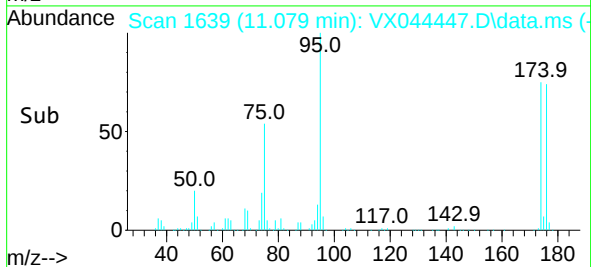
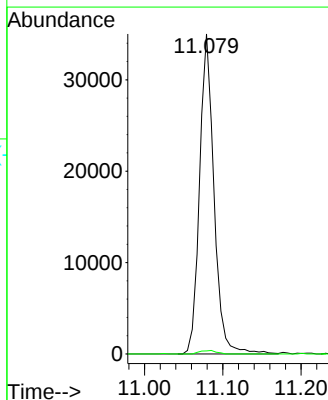
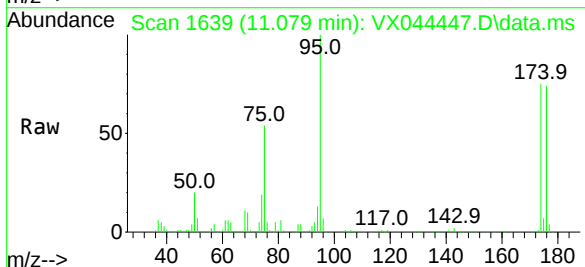
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-678-680

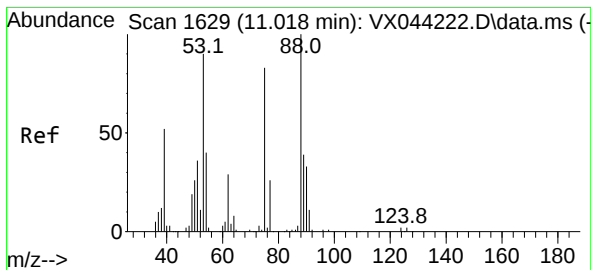
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	44.5	133.3
150	159.8	0.0	353.8



#76
1,2,3-Trichloropropane
Concen: 27.120 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044447.D
Acq: 20 Dec 2024 13:13

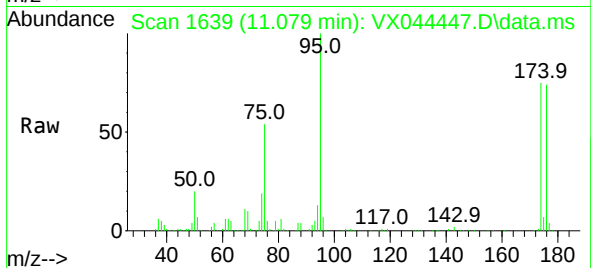
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.9	62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.622 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044447.D
 Acq: 20 Dec 2024 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190A-GW-678-680



Tgt Ion: 75 Resp: 44884
 Ion Ratio Lower Upper
 75 100
 53 0.0 93.6 140.4#
 89 0.0 37.3 55.9#

