

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062422\
 Data File : VX029782.D
 Acq On : 24 Jun 2022 17:53
 Operator : JC/MD
 Sample : N3473-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MW17411-GW-305-307

Quant Time: Jun 25 02:05:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

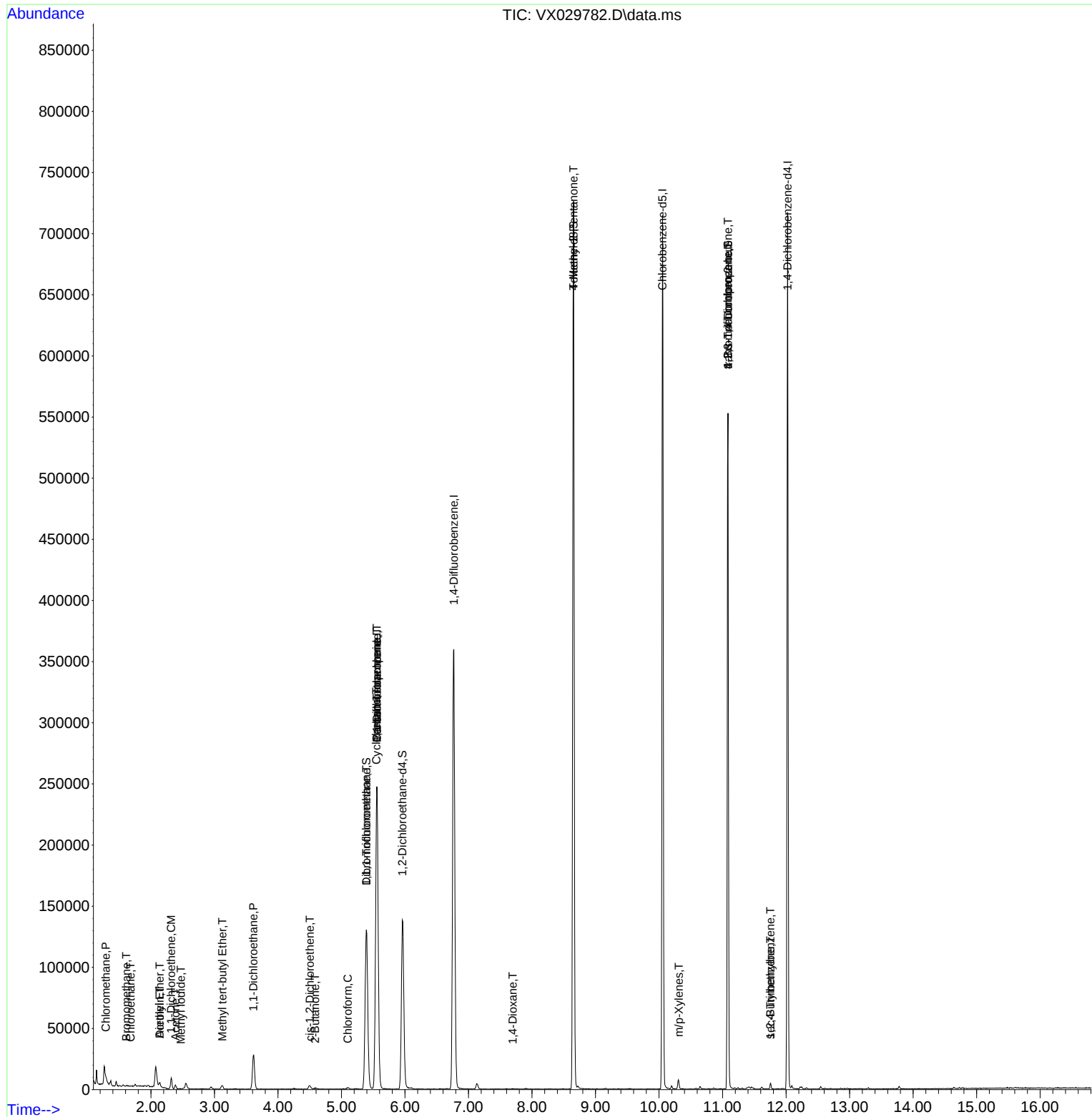
Internal Standards						
1) Pentafluorobenzene	5.556	168	242081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	390218	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	347183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	133091	41.533	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.060%
35) Dibromofluoromethane	5.391	113	117059	46.032	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.060%
50) Toluene-d8	8.653	98	441819	47.558	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.120%
62) 4-Bromofluorobenzene	11.085	95	159034	45.394	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.780%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	1035	0.328	ug/l	95
5) Bromomethane	1.612	94	430	0.290	ug/l #	68
6) Chloroethane	1.679	64	369	1.450	ug/l #	43
8) Diethyl Ether	2.136	74	515	0.323	ug/l #	7
10) Methyl Iodide	2.471	142	266	3.104	ug/l #	54
11) Tert butyl alcohol	2.947	59	1056	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	2933	1.196	ug/l	95
13) Acrolein	2.136	56	36	0.204	ug/l #	1
16) Acetone	2.386	43	3309	2.591	ug/l	95
19) Methyl tert-butyl Ether	3.123	73	3538	0.416	ug/l	98
24) 1,1-Dichloroethane	3.611	63	32127	6.820	ug/l	98
25) 2-Butanone	4.587	43	448	0.222	ug/l #	75
27) cis-1,2-Dichloroethene	4.501	96	1966	0.628	ug/l	84
30) Chloroform	5.099	83	1621	0.325	ug/l #	77
31) Cyclohexane	5.550	56	4178	0.971	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	2892	0.658	ug/l #	48
36) 1,1-Dichloropropene	5.556	75	17158	4.985	ug/l #	50
38) Carbon Tetrachloride	5.556	117	24363	7.198	ug/l #	14
44) Trichloroethene	7.129	130	1886	Below Cal		82
49) 1,4-Dioxane	7.696	88	239	3.446	ug/l #	60
51) 4-Methyl-2-Pentanone	8.653	43	1699	0.480	ug/l #	1
68) m/p-Xylenes	10.311	106	1798	0.376	ug/l	94
76) 1,2,3-Trichloropropane	11.085	75	75374	23.034	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	75374	76.627	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	2348	0.248	ug/l	92
85) sec-Butylbenzene	11.756	105	2348	0.205	ug/l #	56

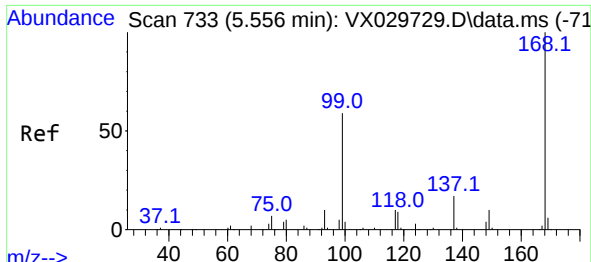
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

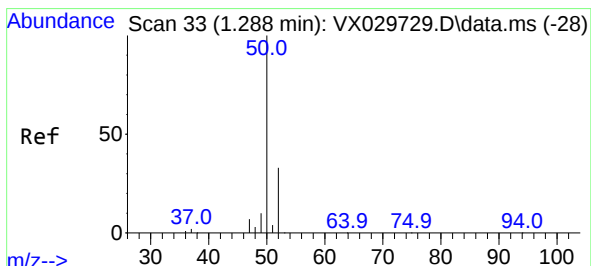
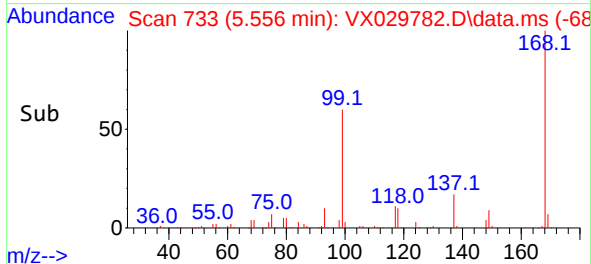
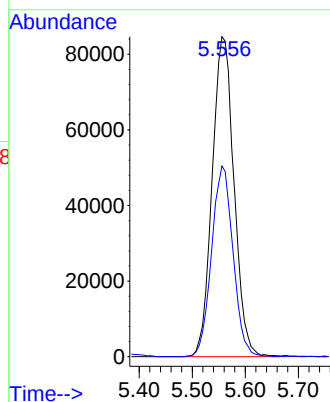
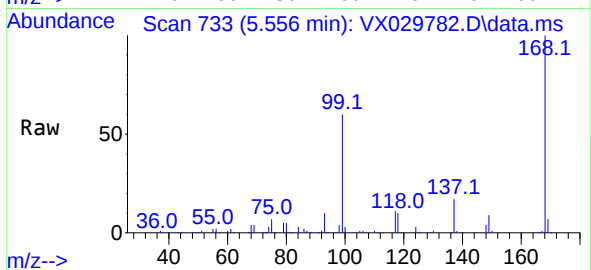




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

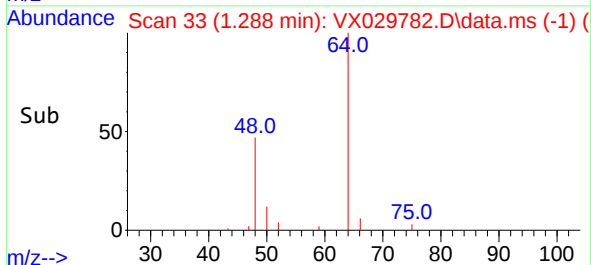
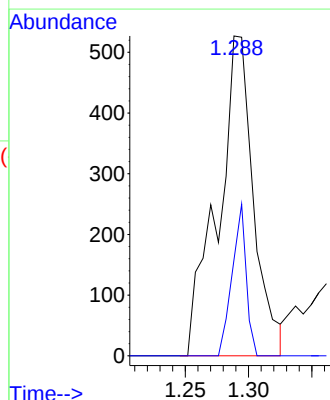
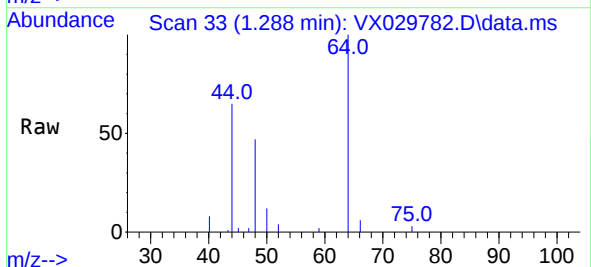
Instrument : MSVOA_X
ClientSampleId : BP-MW17411-GW-305-307

Tgt Ion:168 Resp: 242081
Ion Ratio Lower Upper
168 100
99 59.6 41.7 62.5

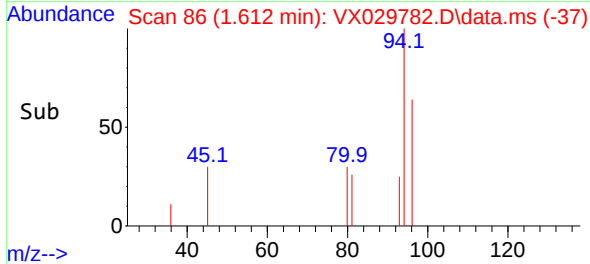
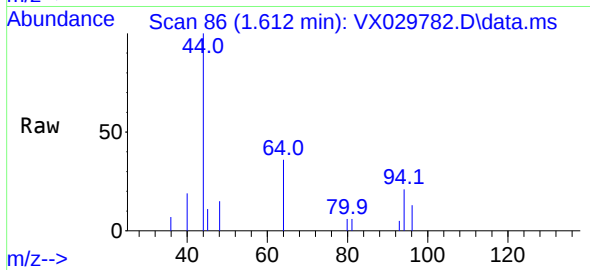
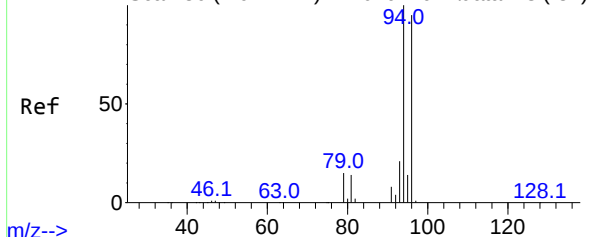


#3
Chloromethane
Concen: 0.328 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion: 50 Resp: 1035
Ion Ratio Lower Upper
50 100
52 30.0 26.4 39.6



Abundance Scan 86 (1.612 min): VX029729.D\data.ms (-81)



#5

Bromomethane

Concen: 0.290 ug/l

RT: 1.612 min Scan# 80

Delta R.T. 0.001 min

Lab File: VX029782.D

Acq: 24 Jun 2022 17:53

Instrument :

MSVOA_X

ClientSampleId :

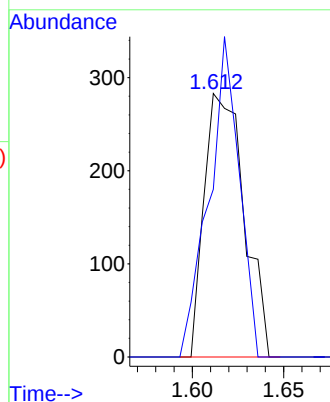
BP-MW17411-GW-305-307

Tgt Ion: 94 Resp: 430

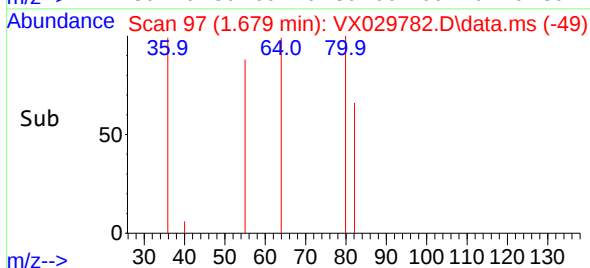
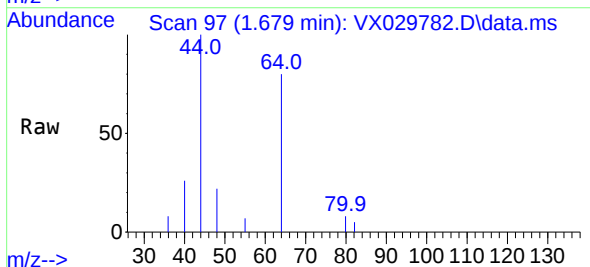
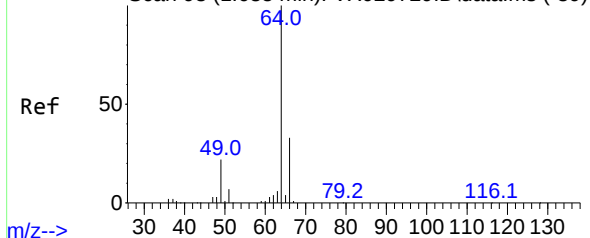
Ion Ratio Lower Upper

94 100

96 63.6 75.3 112.9#



Abundance Scan 98 (1.685 min): VX029729.D\data.ms (-89)



#6

Chloroethane

Concen: 1.450 ug/l

RT: 1.679 min Scan# 97

Delta R.T. -0.006 min

Lab File: VX029782.D

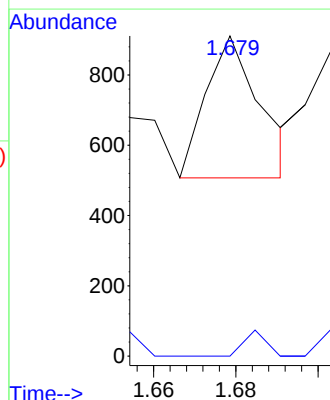
Acq: 24 Jun 2022 17:53

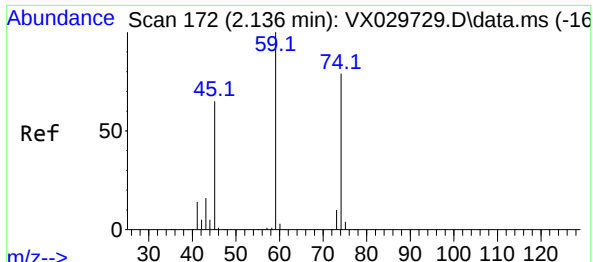
Tgt Ion: 64 Resp: 369

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

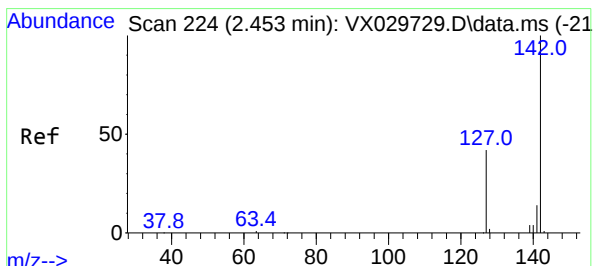
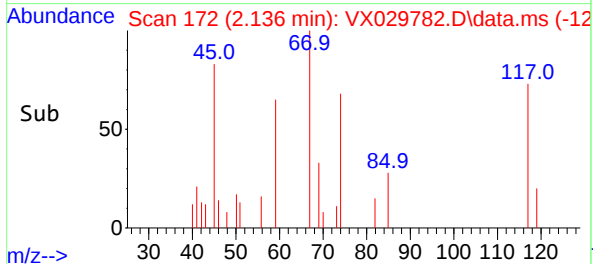
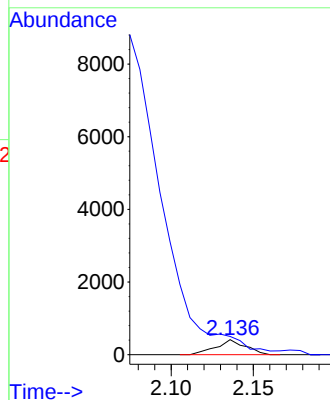
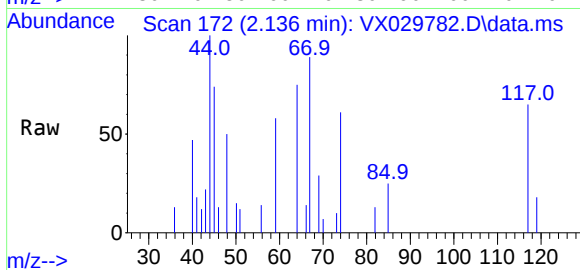




#8
Diethyl Ether
Concen: 0.323 ug/l
RT: 2.136 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

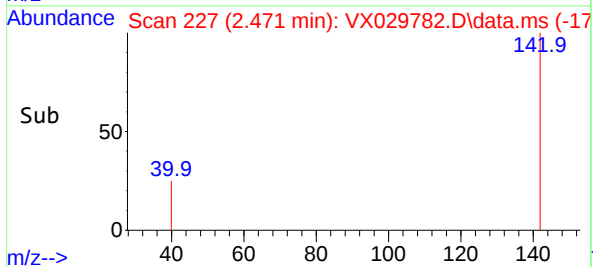
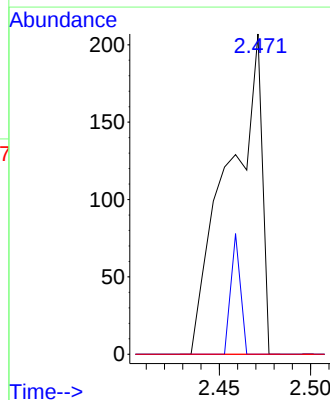
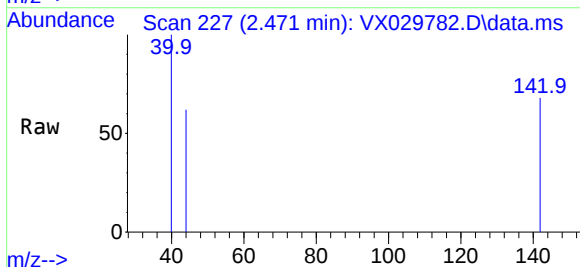
Instrument :
MSVOA_X
ClientSampleId :
BP-MW1741-GW-305-307

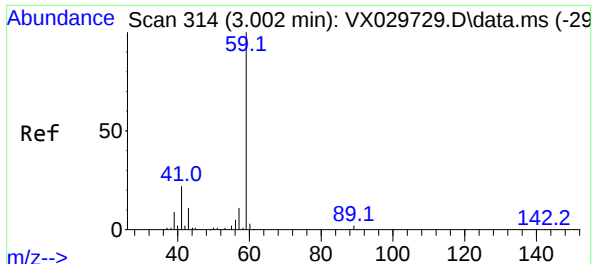
Tgt Ion: 74 Resp: 515
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 3.104 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion: 142 Resp: 266
Ion Ratio Lower Upper
142 100
127 10.9 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.036 min

Lab File: VX029782.D

Acq: 24 Jun 2022 17:53

Instrument :

MSVOA_X

ClientSampleId :

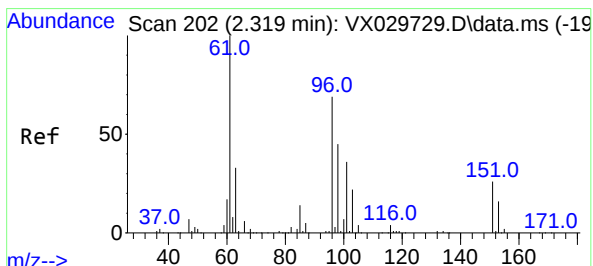
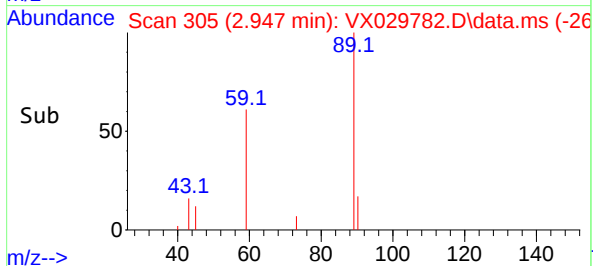
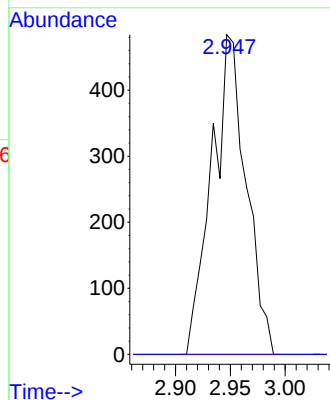
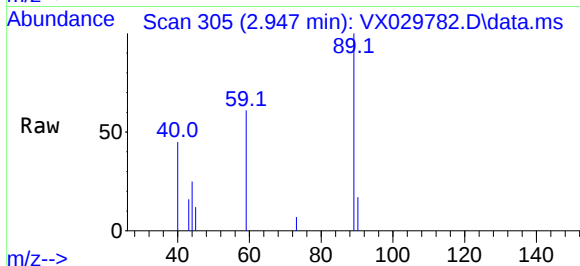
BP-MW17411-GW-305-307

Tgt Ion: 59 Resp: 1056

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 1.196 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX029782.D

Acq: 24 Jun 2022 17:53

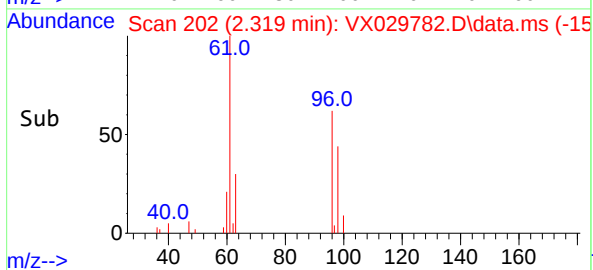
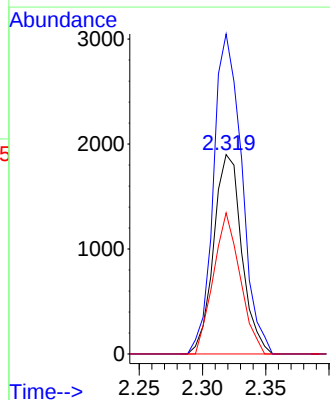
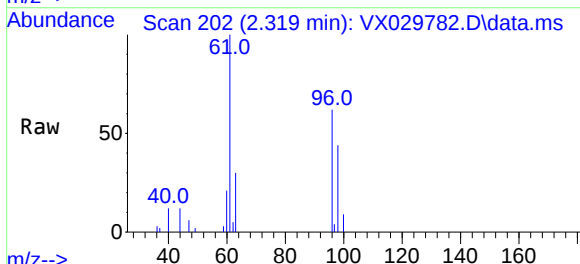
Tgt Ion: 96 Resp: 2933

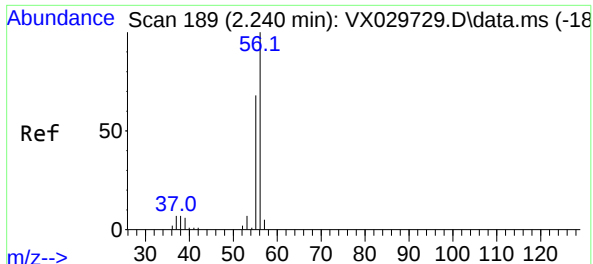
Ion Ratio Lower Upper

96 100

61 160.6 124.6 187.0

98 70.8 51.0 76.4

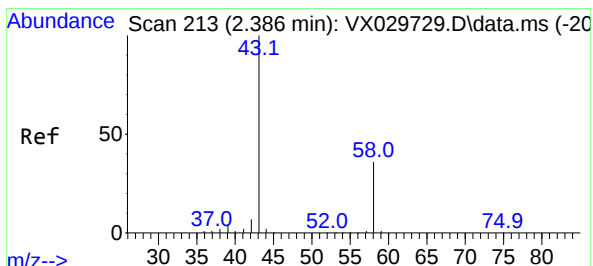
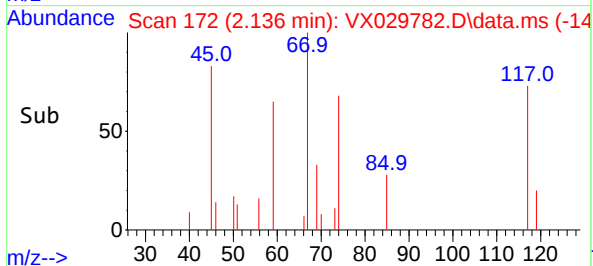
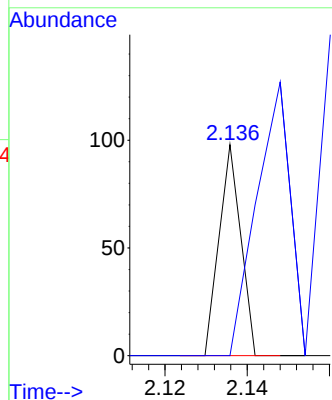
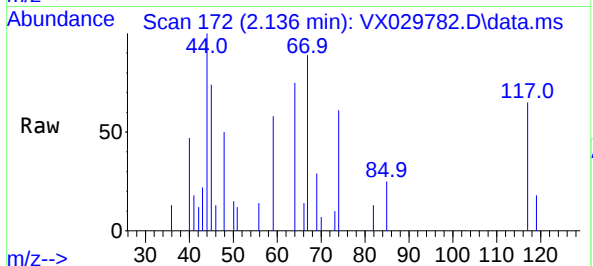




#13
Acrolein
Concen: 0.204 ug/l
RT: 2.136 min Scan# 11
Delta R.T. -0.103 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

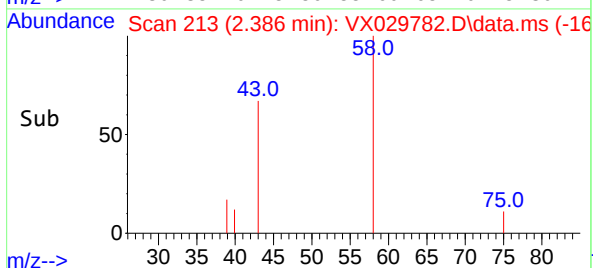
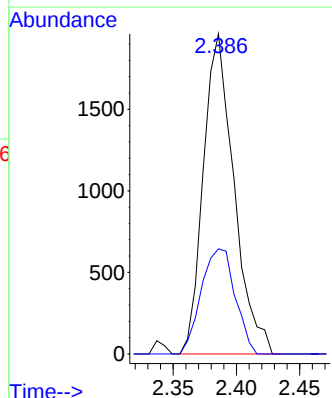
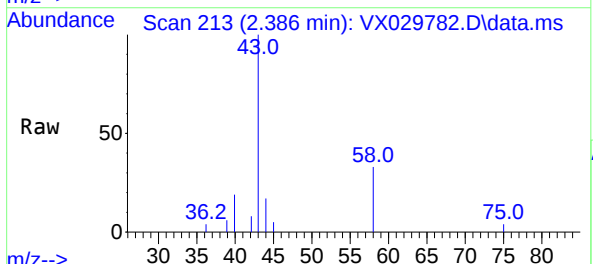
Instrument :
MSVOA_X
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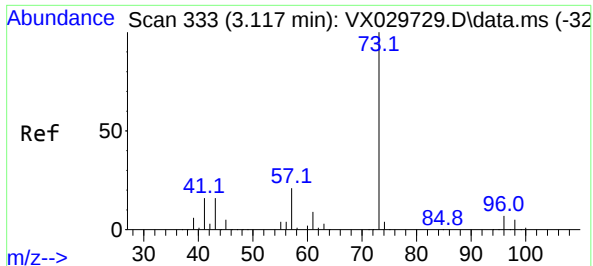
Tgt Ion: 56 Resp: 36
Ion Ratio Lower Upper
56 100
55 200.0 55.0 82.6#



#16
Acetone
Concen: 2.591 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion: 43 Resp: 3309
Ion Ratio Lower Upper
43 100
58 32.8 28.8 43.2

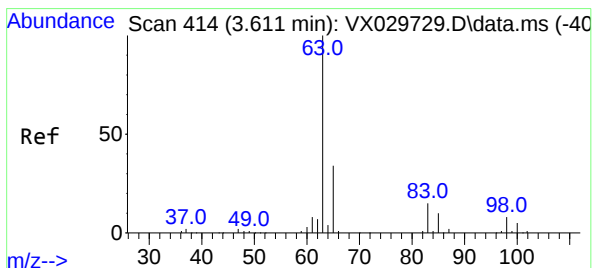
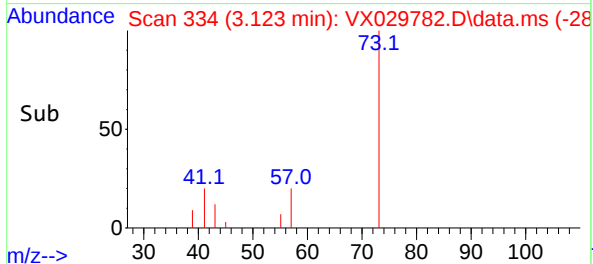
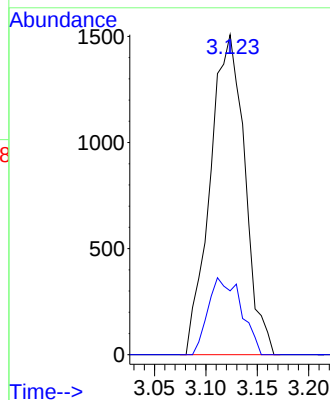
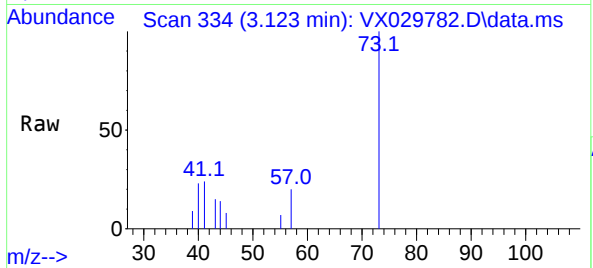




#19
Methyl tert-butyl Ether
Concen: 0.416 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

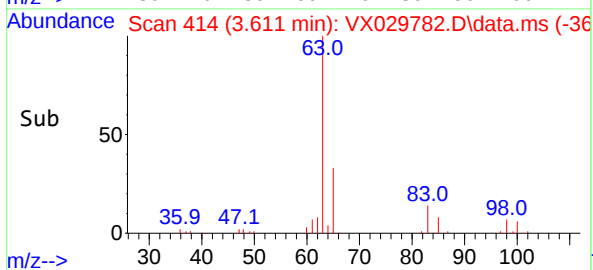
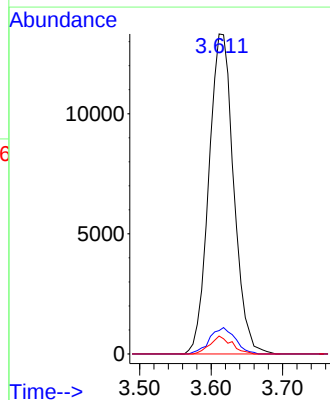
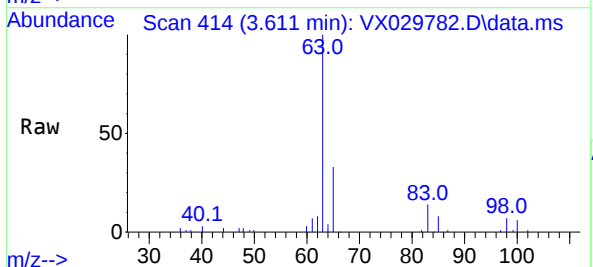
Instrument :
MSVOA_X
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BP-MW17411-GW-305-307

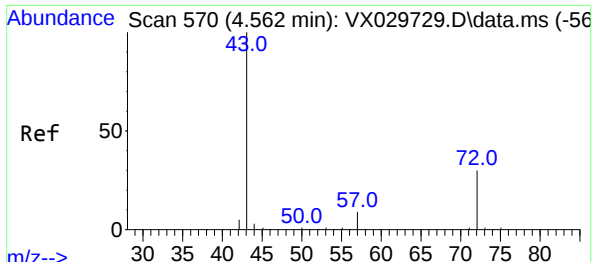
Tgt Ion: 73 Resp: 3538
Ion Ratio Lower Upper
73 100
57 20.0 16.8 25.2



#24
1,1-Dichloroethane
Concen: 6.820 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion: 63 Resp: 32127
Ion Ratio Lower Upper
63 100
98 7.3 3.9 11.7
100 5.6 2.4 7.2

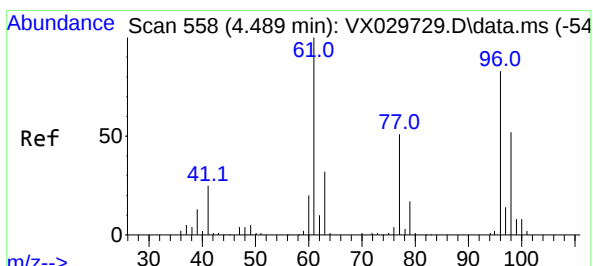
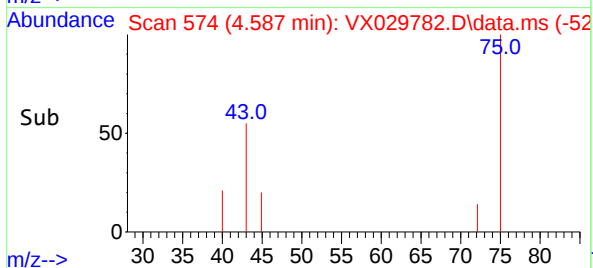
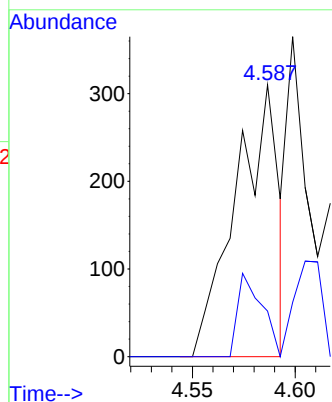
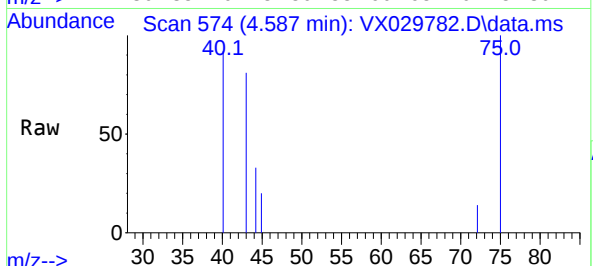




#25
2-Butanone
Concen: 0.222 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

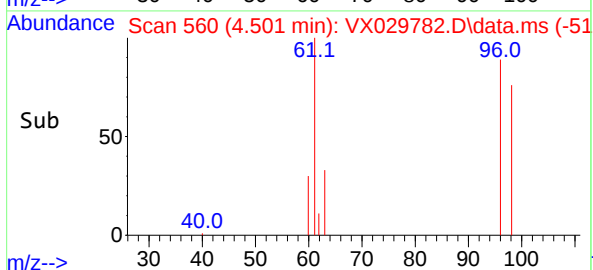
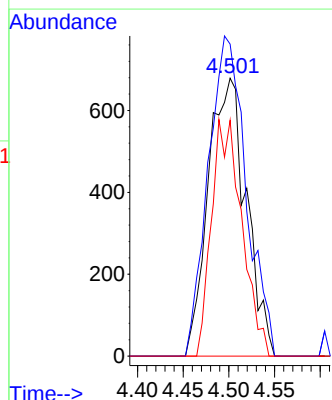
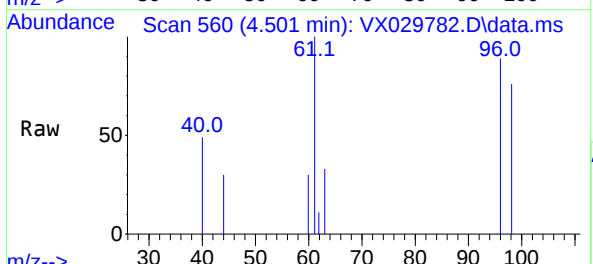
Instrument :
MSVOA_X
ClientSampleId :
BP-MW1741-GW-305-307

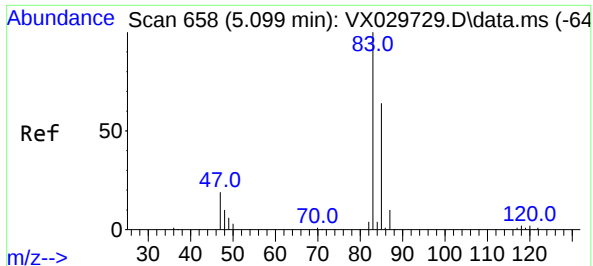
Tgt Ion: 43 Resp: 448
Ion Ratio Lower Upper
43 100
72 16.8 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 0.628 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion: 96 Resp: 1966
Ion Ratio Lower Upper
96 100
61 114.8 0.0 283.8
98 67.6 0.0 129.8





#30

Chloroform

Concen: 0.325 ug/l

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX029782.D

Acq: 24 Jun 2022 17:53

Instrument :

MSVOA_X

ClientSampleId :

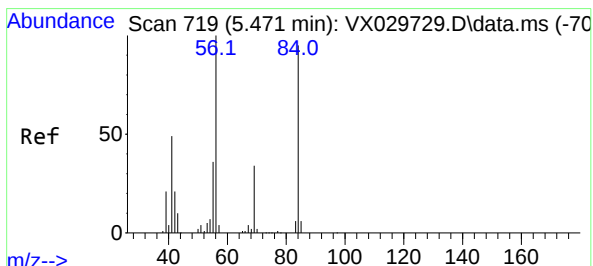
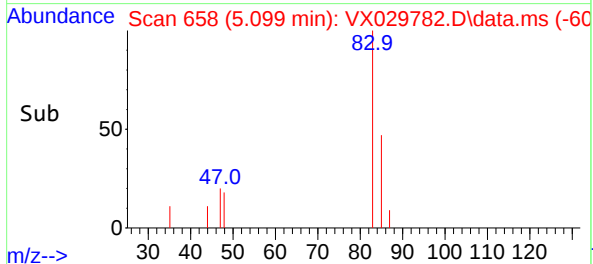
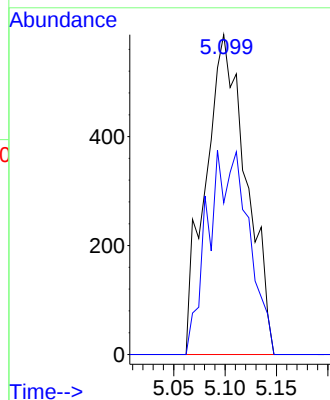
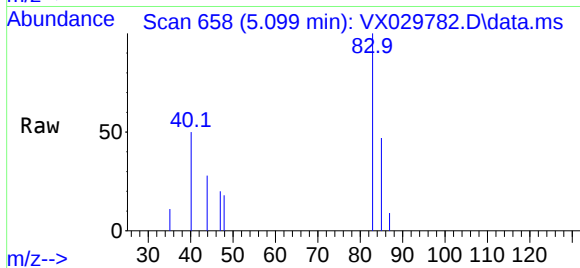
BP-MW17411-GW-305-307

Tgt Ion: 83 Resp: 1621

Ion Ratio Lower Upper

83 100

85 47.4 52.7 79.1#



#31

Cyclohexane

Concen: 0.971 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX029782.D

Acq: 24 Jun 2022 17:53

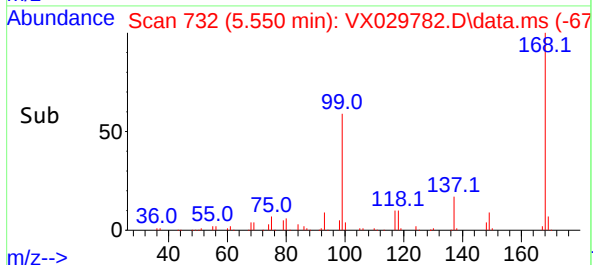
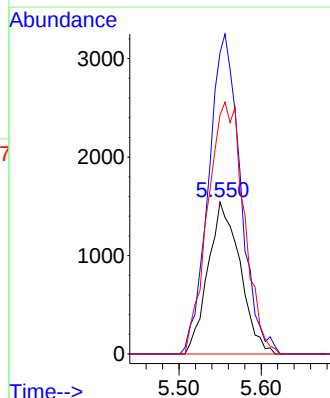
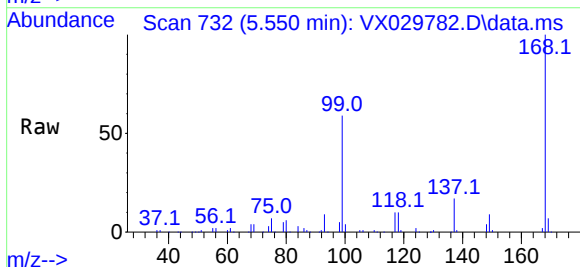
Tgt Ion: 56 Resp: 4178

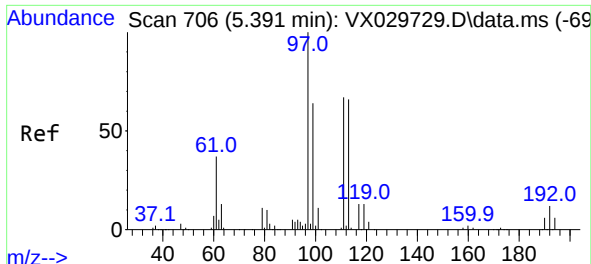
Ion Ratio Lower Upper

56 100

69 198.5 26.7 40.1#

84 157.4 77.2 115.8#

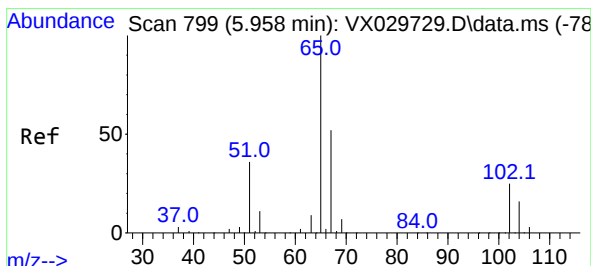
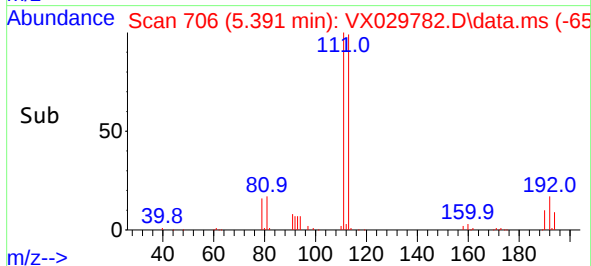
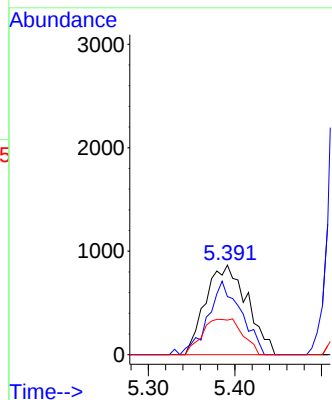
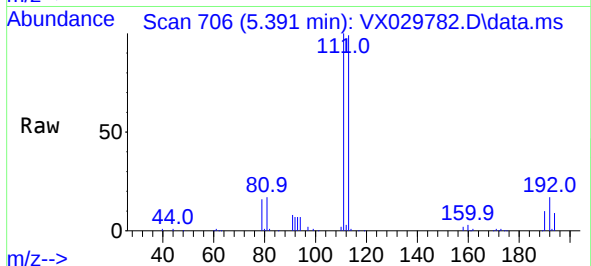




#32
1,1,1-Trichloroethane
Concen: 0.658 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

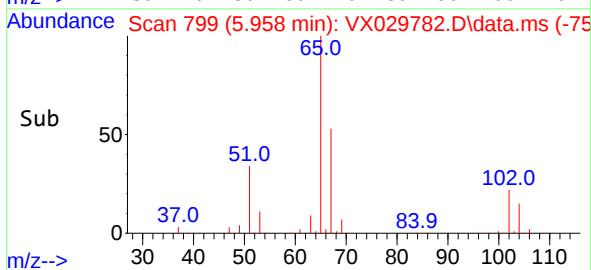
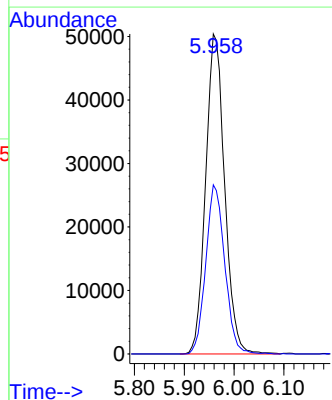
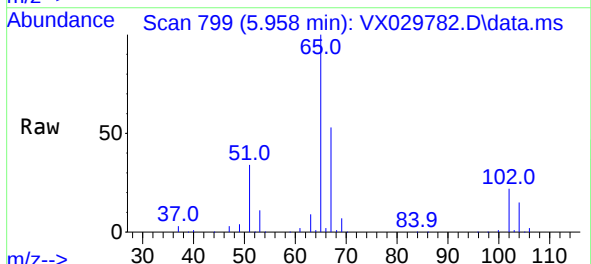
Instrument :
MSVOA_X
ClientSampleId :
BP-MW17411-GW-305-307

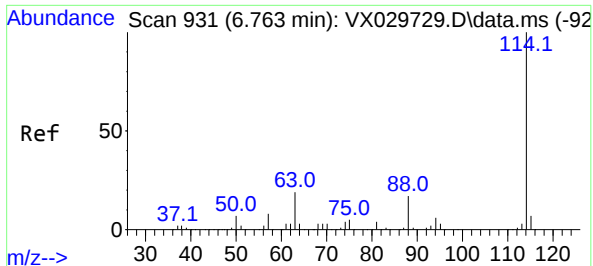
Tgt Ion: 97 Resp: 2892
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 38.1 34.0 51.0



#33
1,2-Dichloroethane-d4
Concen: 41.533 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion: 65 Resp: 133091
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.4

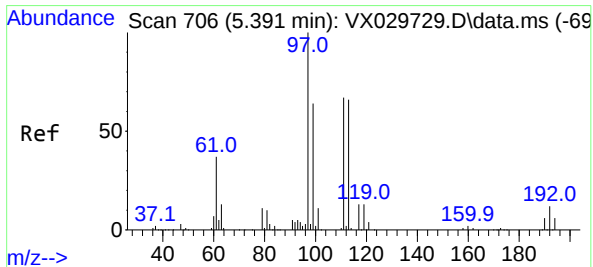
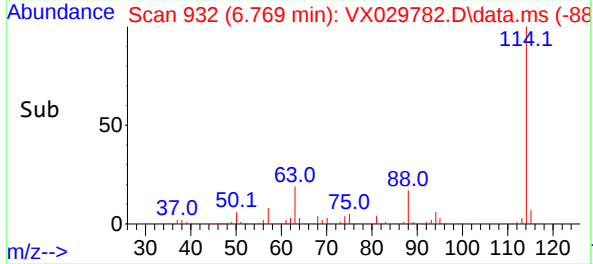
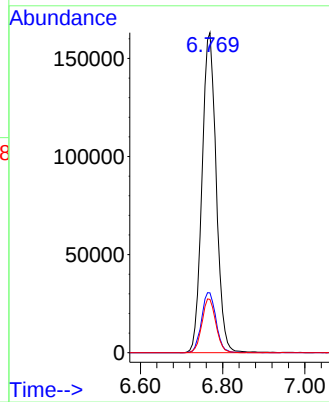
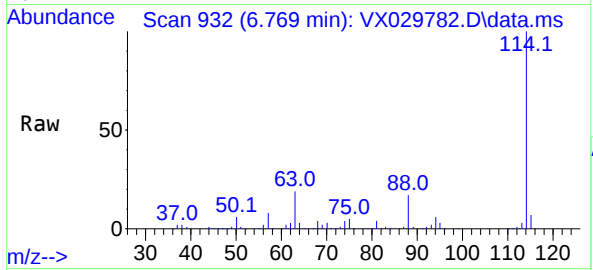




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

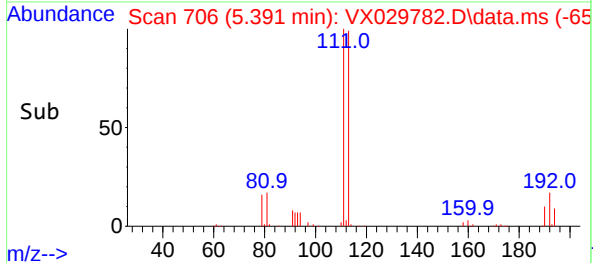
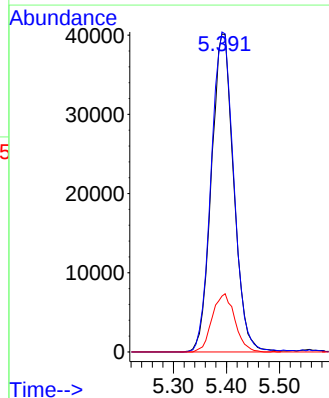
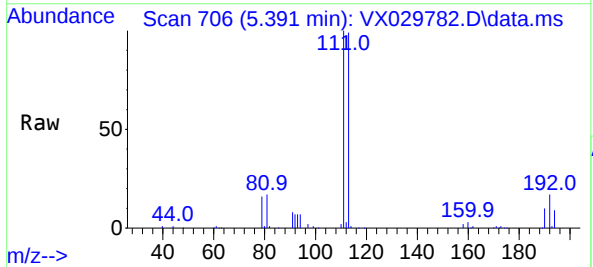
Instrument :
MSVOA_X
ClientSampleId :
BP-MW17411-GW-305-307

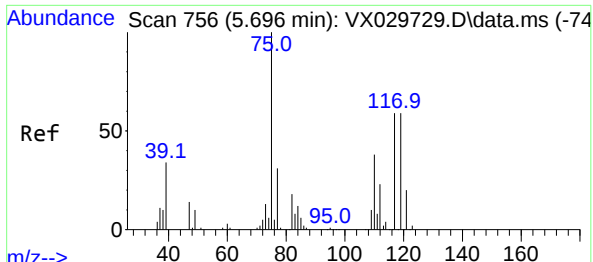
Tgt Ion:114 Resp: 390218
Ion Ratio Lower Upper
114 100
63 18.7 0.0 36.8
88 16.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.032 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion:113 Resp: 117059
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 18.6 16.9 25.3

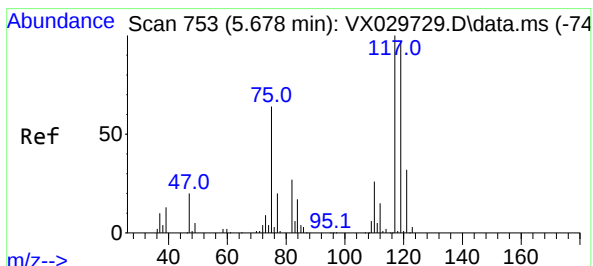
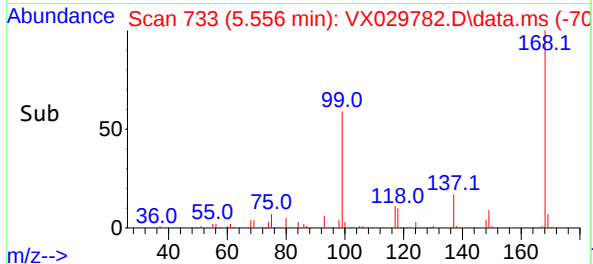
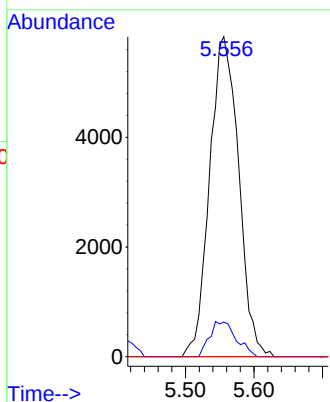
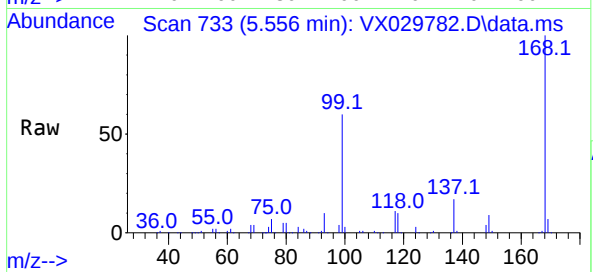




#36
1,1-Dichloropropene
Concen: 4.985 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

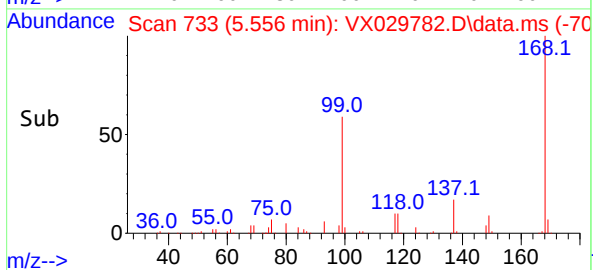
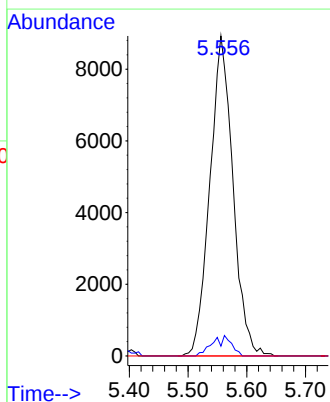
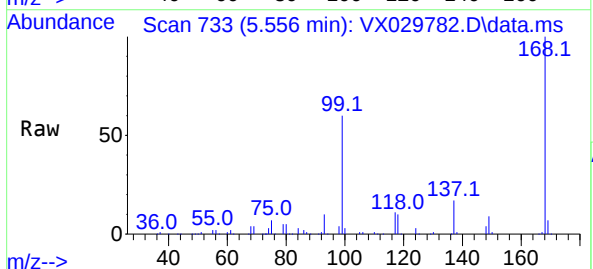
Instrument :
MSVOA_X
ClientSampleId :
BP-MW17411-GW-305-307

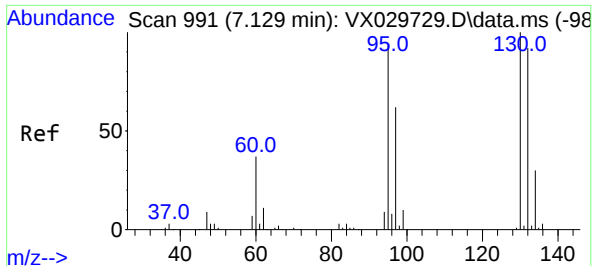
Tgt Ion: 75 Resp: 17158
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 7.198 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion:117 Resp: 24363
Ion Ratio Lower Upper
117 100
119 3.1 77.3 115.9#
121 0.0 24.2 36.2#

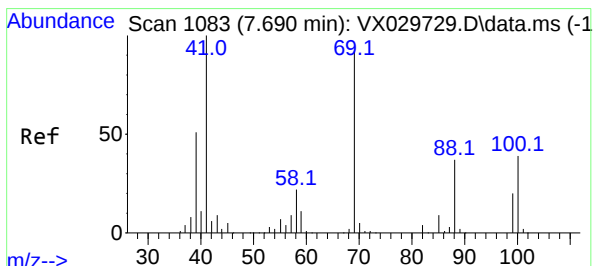
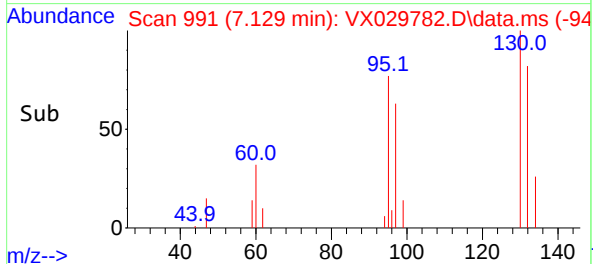
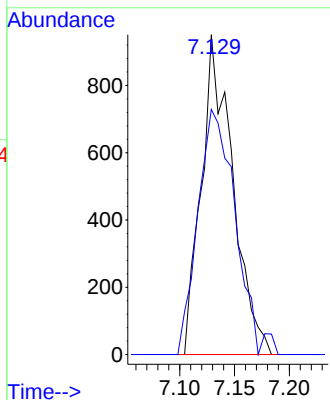
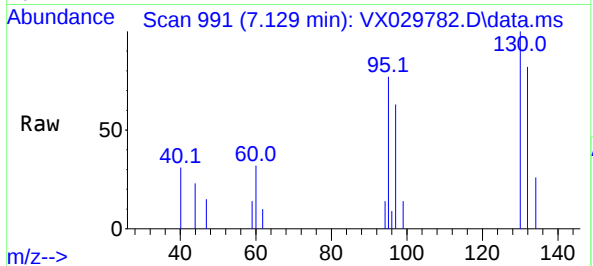




#44
Trichloroethene
Concen: Below Cal
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

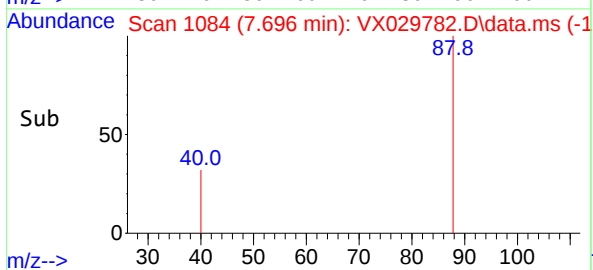
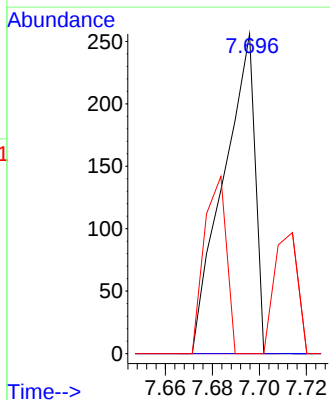
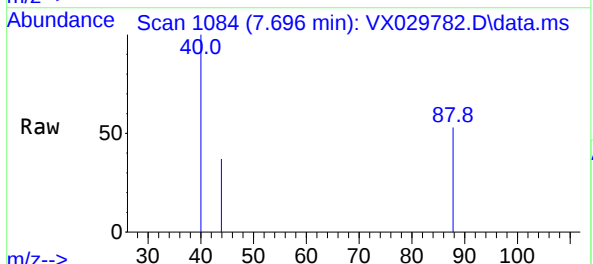
Instrument :
MSVOA_X
ClientSampleId :
BP-MW17411-GW-305-307

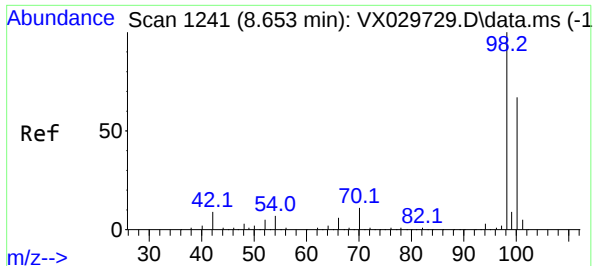
Tgt Ion:130 Resp: 1886
Ion Ratio Lower Upper
130 100
95 76.7 0.0 188.8



#49
1,4-Dioxane
Concen: 3.446 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.012 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion: 88 Resp: 239
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 38.9 53.7 80.5#

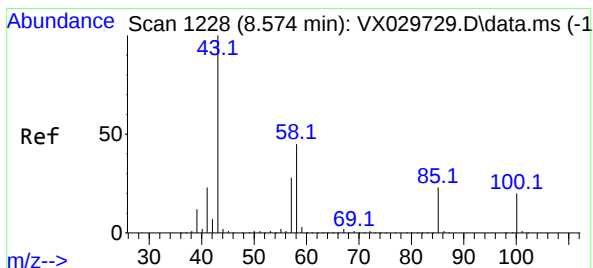
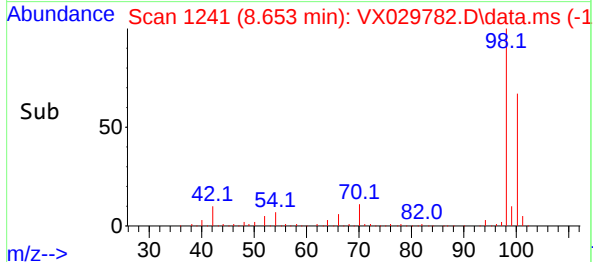
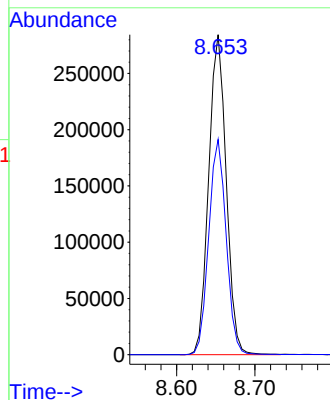
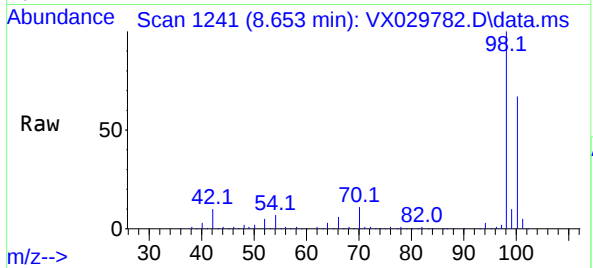




#50
Toluene-d8
Concen: 47.558 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

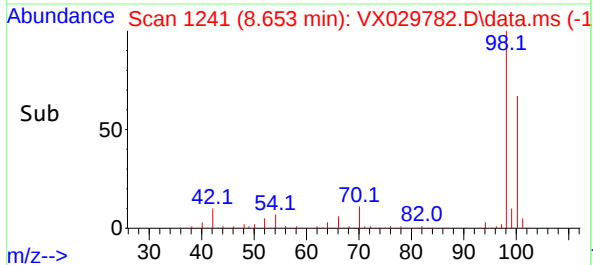
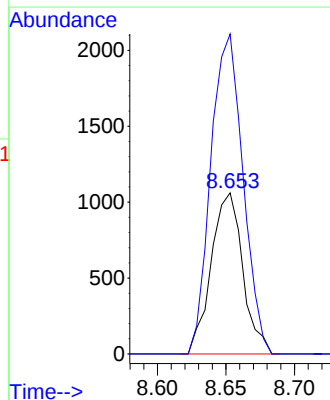
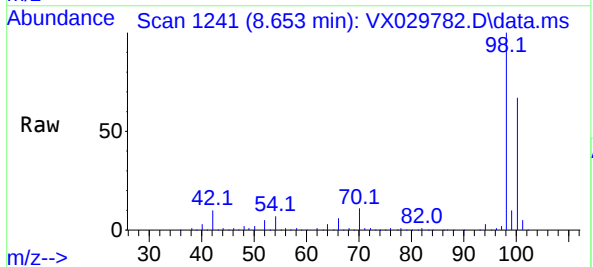
Instrument :
MSVOA_X
ClientSampleId :
BP-MW17411-GW-305-307

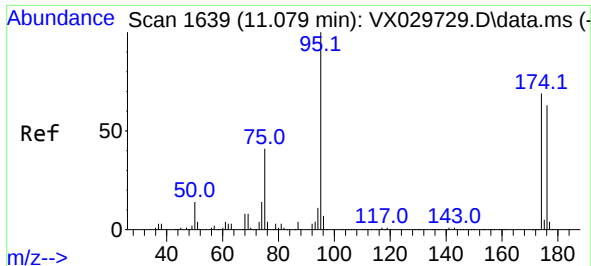
Tgt Ion: 98 Resp: 441819
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.480 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
58 202.8 36.1 54.1#

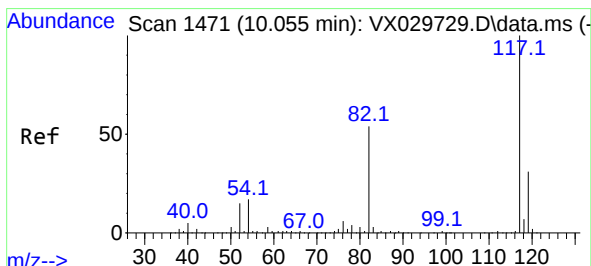
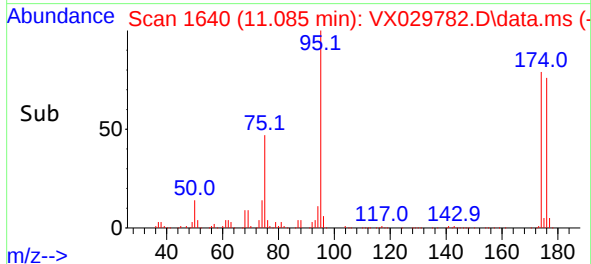
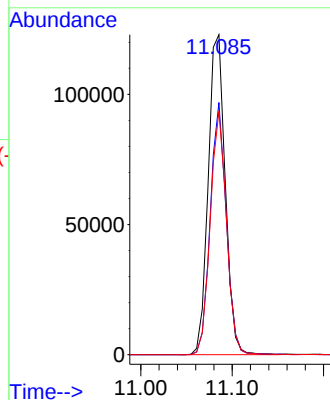
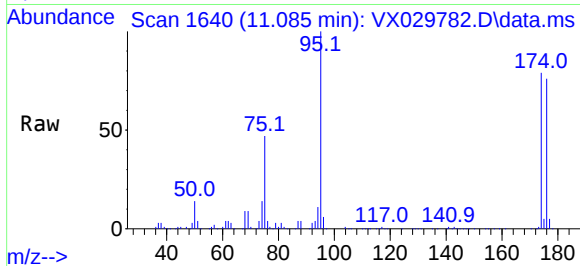




#62
4-Bromofluorobenzene
Concen: 45.394 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

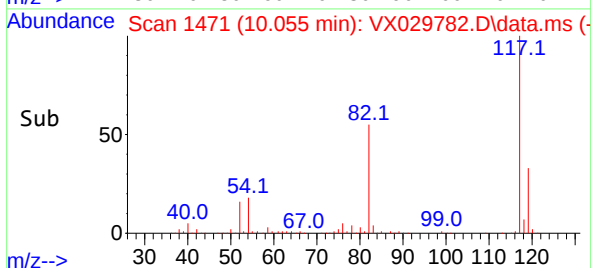
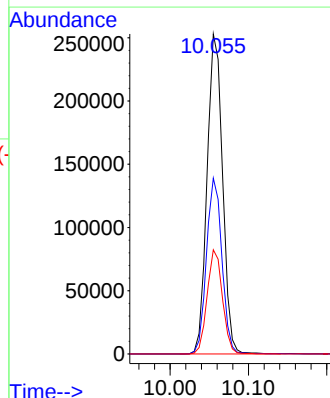
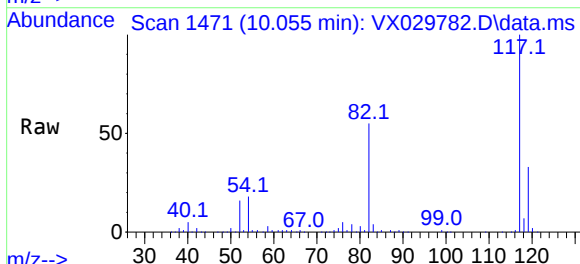
Instrument :
MSVOA_X
ClientSampleId :
BP-MW1741-GW-305-307

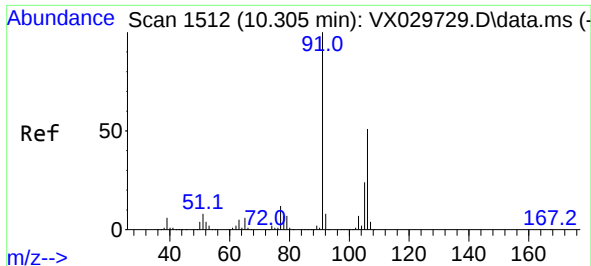
Tgt Ion: 95 Resp: 159034
Ion Ratio Lower Upper
95 100
174 74.0 0.0 163.0
176 72.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion: 117 Resp: 347183
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.8
119 32.5 24.8 37.2

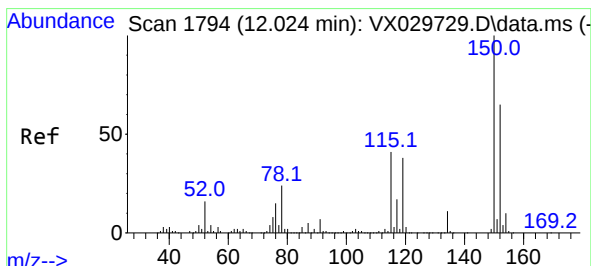
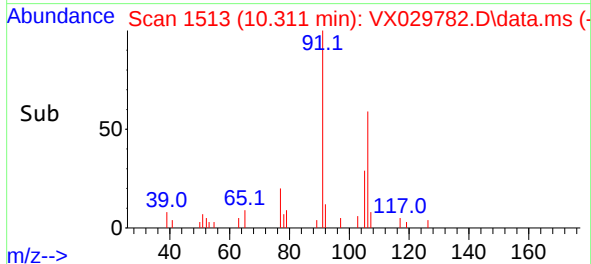
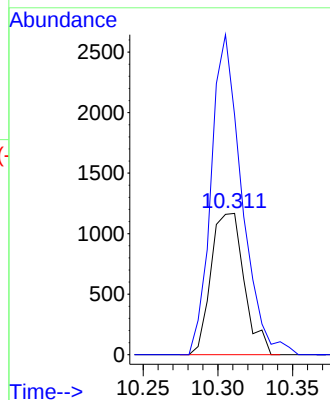
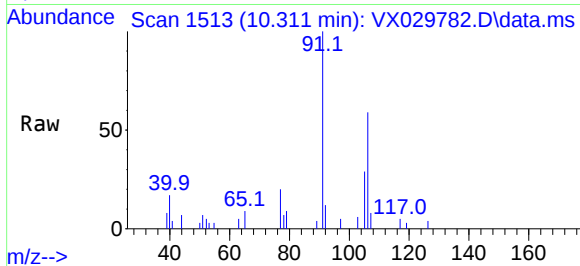




#68
m/p-Xylenes
Concen: 0.376 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

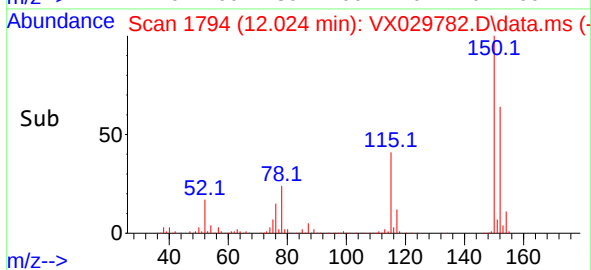
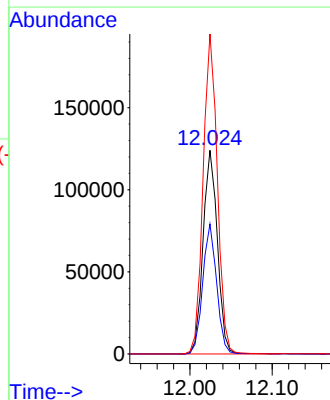
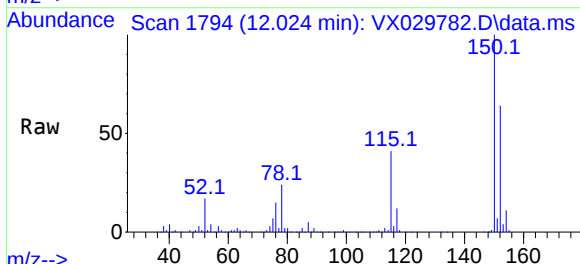
Instrument :
MSVOA_X
ClientSampleId :
BP-MW17411-GW-305-307

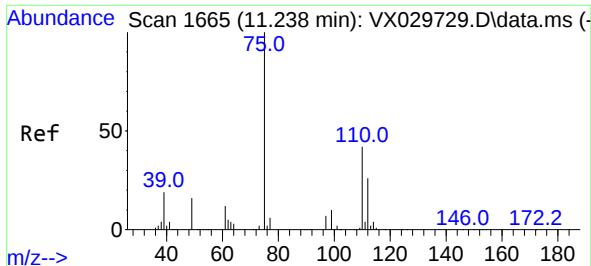
Tgt Ion:106 Resp: 1798
Ion Ratio Lower Upper
106 100
91 209.3 160.4 240.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion:152 Resp: 150211
Ion Ratio Lower Upper
152 100
115 62.0 37.5 112.7
150 155.9 0.0 338.2

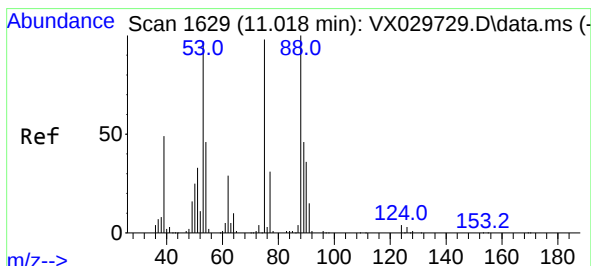
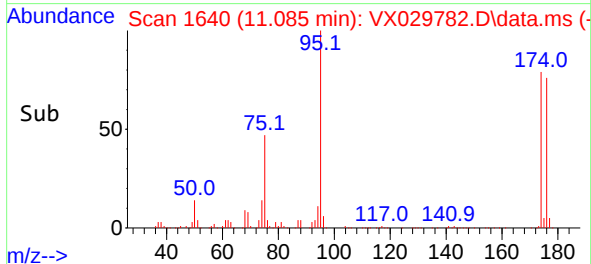
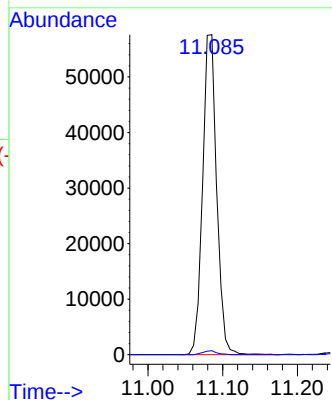
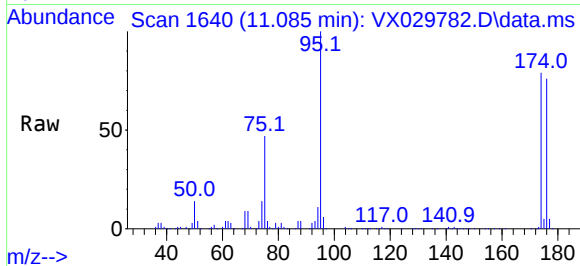




#76
1,2,3-Trichloropropane
Concen: 23.034 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

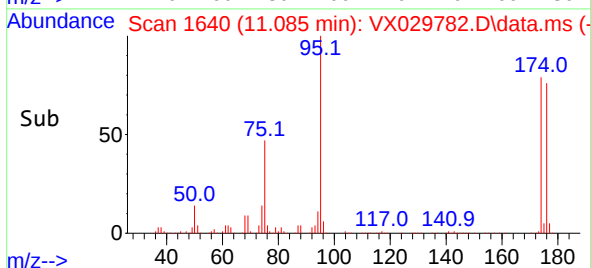
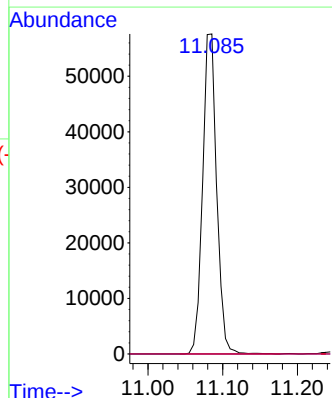
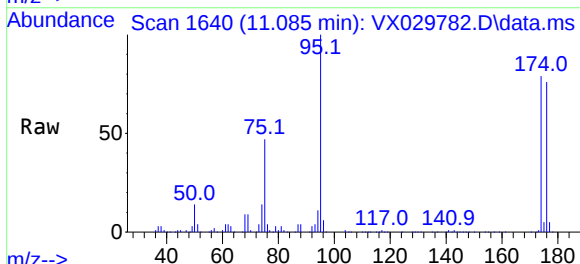
Instrument :
MSVOA_X
ClientSampleId :
BP-MW17411-GW-305-307

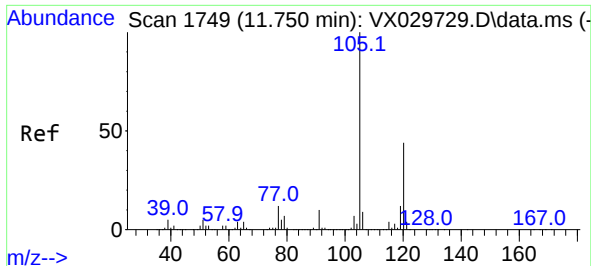
Tgt Ion: 75 Resp: 75374
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.627 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion: 75 Resp: 75374
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

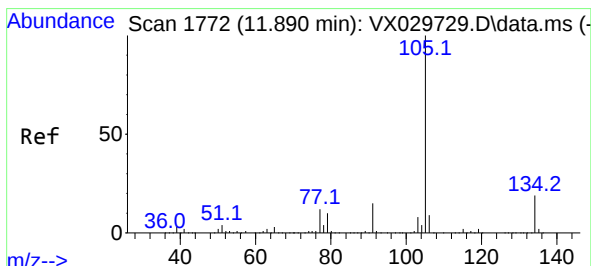
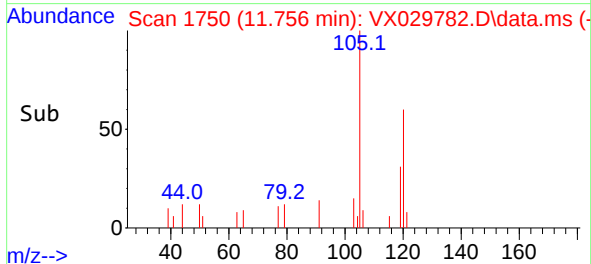
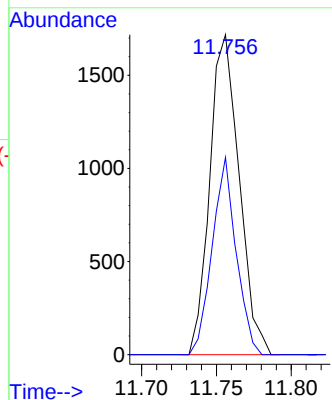
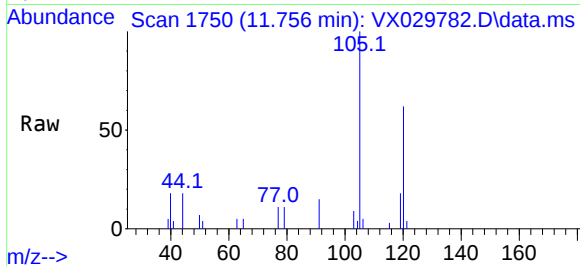




#84
1,2,4-Trimethylbenzene
Concen: 0.248 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Instrument :
MSVOA_X
ClientSampleId :
BP-MW17411-GW-305-307

Tgt Ion:105 Resp: 2348
Ion Ratio Lower Upper
105 100
120 50.3 22.6 67.8



#85
sec-Butylbenzene
Concen: 0.205 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX029782.D
Acq: 24 Jun 2022 17:53

Tgt Ion:105 Resp: 2348
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

