

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070524\
 Data File : VX042206.D
 Acq On : 05 Jul 2024 12:11
 Operator : JC/MD
 Sample : P3167-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-196-GW-865-867

Quant Time: Jul 05 23:20:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

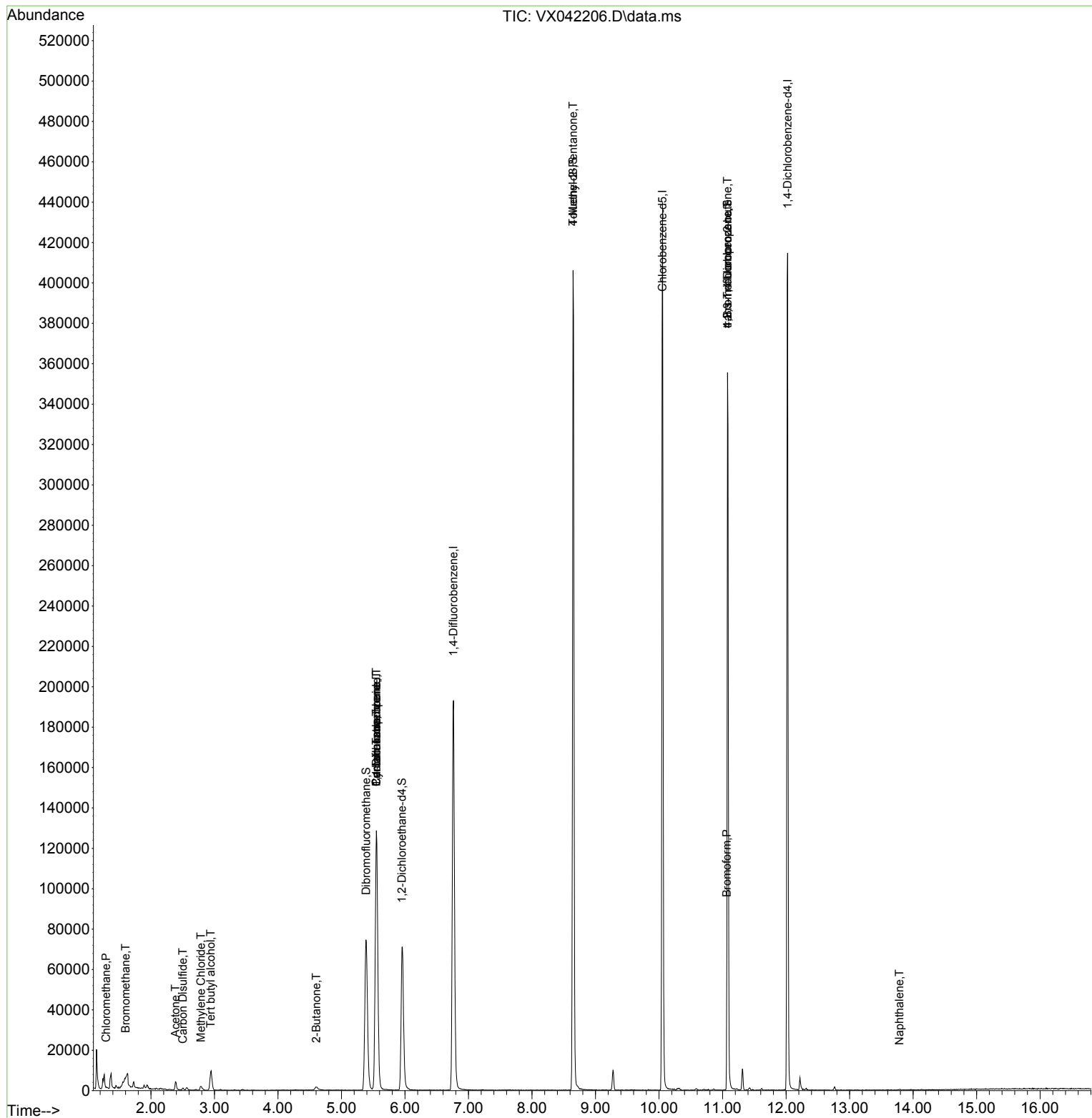
Internal Standards						
1) Pentafluorobenzene	5.550	168	141307	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	217826	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68447	42.006	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.020%
35) Dibromofluoromethane	5.385	113	67309	43.549	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.100%
50) Toluene-d8	8.647	98	256939	47.321	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.640%
62) 4-Bromofluorobenzene	11.079	95	95067	47.497	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.000%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	487	0.361	ug/l	# 75
5) Bromomethane	1.599	94	432	0.646	ug/l	88
6) Chloroethane	1.660	64	281	Below Cal	#	43
11) Tert butyl alcohol	2.940	59	5551	17.950	ug/l	# 79
16) Acetone	2.386	43	4804	6.714	ug/l	# 84
17) Carbon Disulfide	2.501	76	1327	0.534	ug/l	99
20) Methylene Chloride	2.788	84	1234	0.788	ug/l	# 81
25) 2-Butanone	4.605	43	866	0.778	ug/l	# 51
31) Cyclohexane	5.550	56	1890	0.992	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7866	4.793	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	11665	6.433	ug/l	# 14
51) 4-Methyl-2-Pentanone	8.647	43	960	0.425	ug/l	# 1
71) Bromoform	11.067	173	66	0.920	ug/l	# 29
76) 1,2,3-Trichloropropane	11.079	75	43343	23.577	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43343	66.956	ug/l	# 5
95) Naphthalene	13.786	128	498	0.815	ug/l	# 69

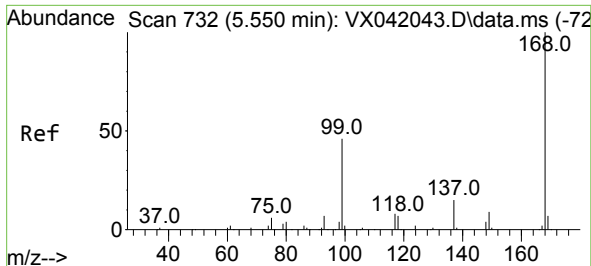
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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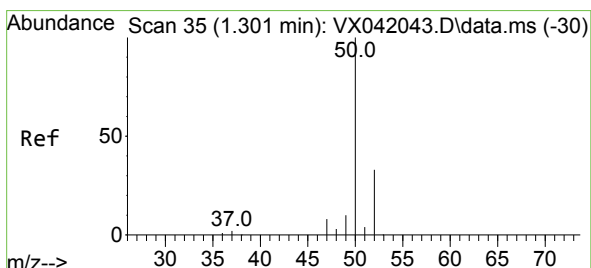
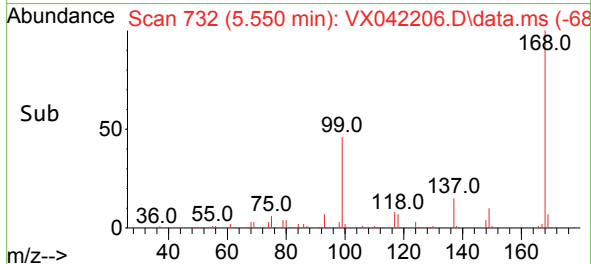
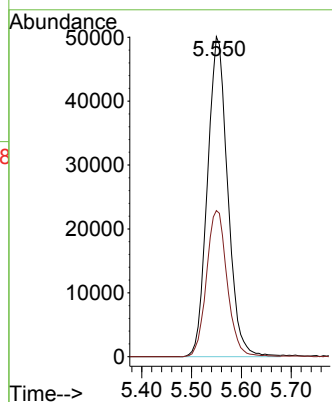
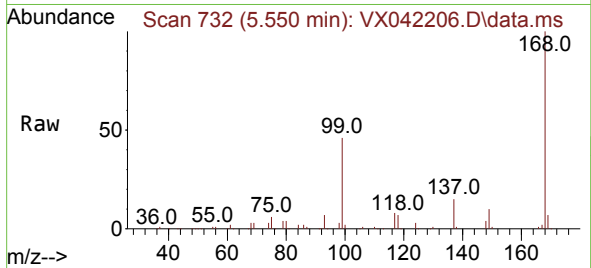




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

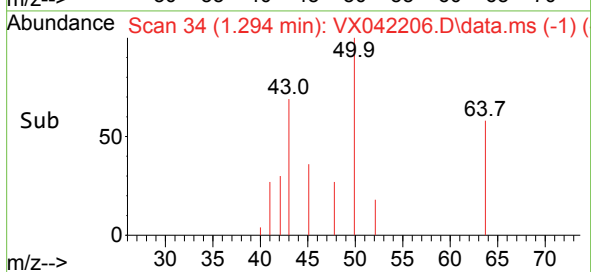
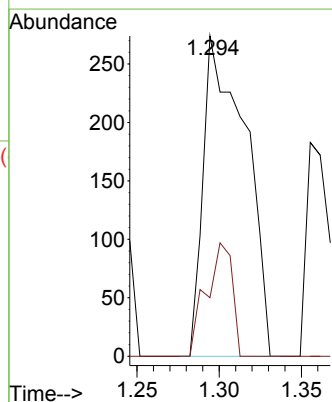
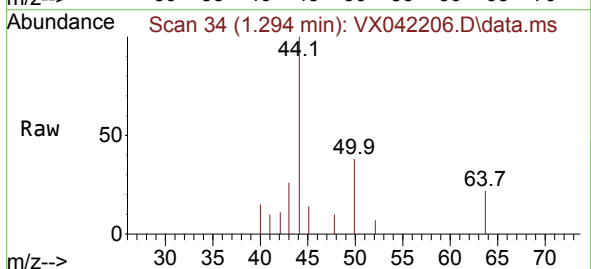
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-865-867

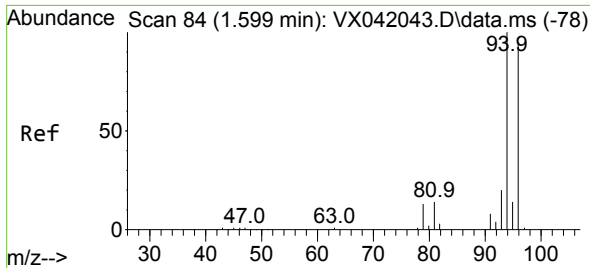
Tgt Ion:168 Resp: 141307
Ion Ratio Lower Upper
168 100
99 45.7 56.6 85.0#



#3
Chloromethane
Concen: 0.361 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

Tgt Ion: 50 Resp: 487
Ion Ratio Lower Upper
50 100
52 18.2 25.5 38.3#

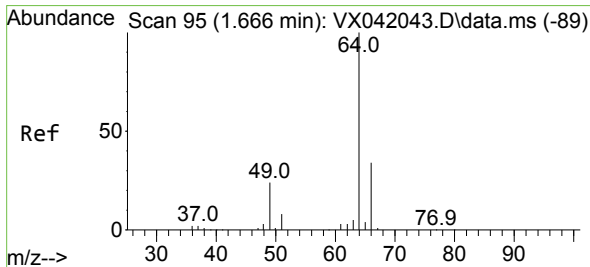
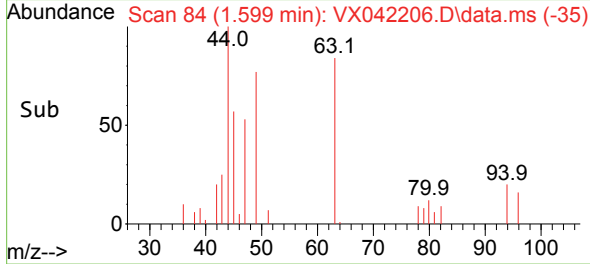
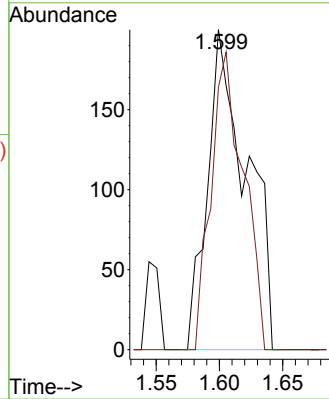
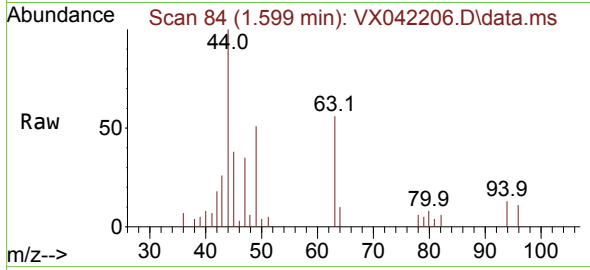




#5
Bromomethane
Concen: 0.646 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

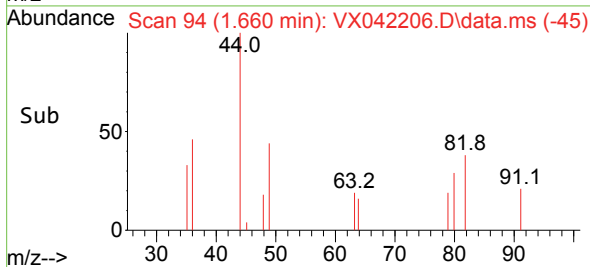
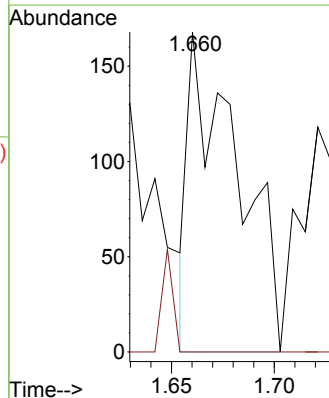
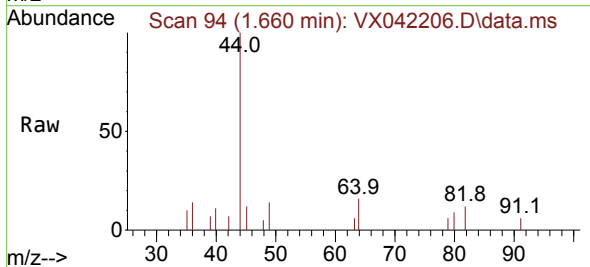
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-865-867

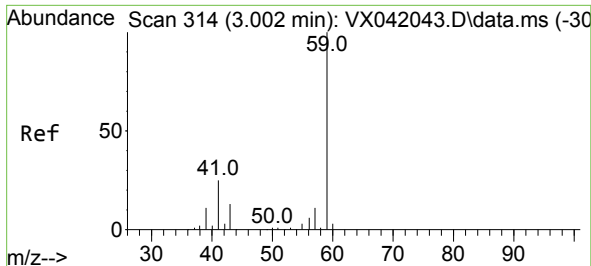
Tgt Ion: 94 Resp: 432
Ion Ratio Lower Upper
94 100
96 82.0 74.6 111.8



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

Tgt Ion: 64 Resp: 281
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 17.950 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.067 min

Lab File: VX042206.D

Acq: 05 Jul 2024 12:11

Instrument :

MSVOA_X

ClientSampleId :

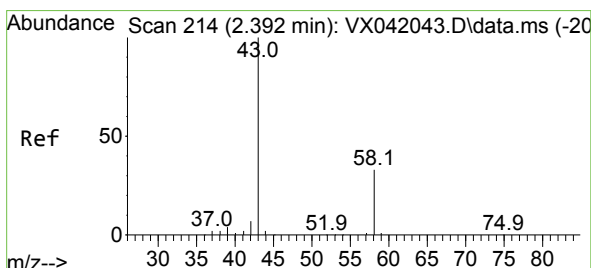
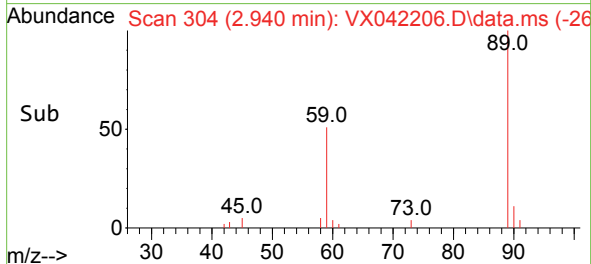
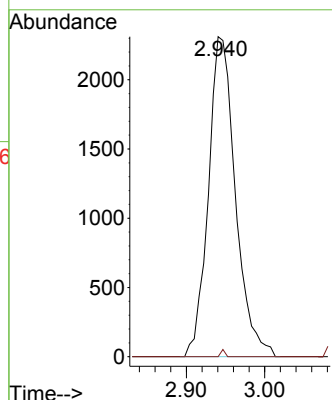
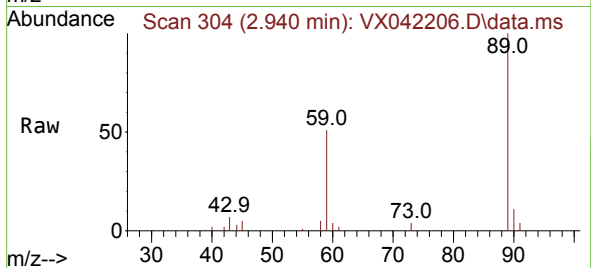
BP-VPB-196-GW-865-867

Tgt Ion: 59 Resp: 5551

Ion Ratio Lower Upper

59 100

57 0.3 6.0 9.0#



#16

Acetone

Concen: 6.714 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX042206.D

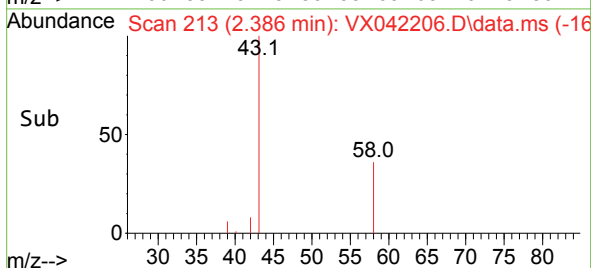
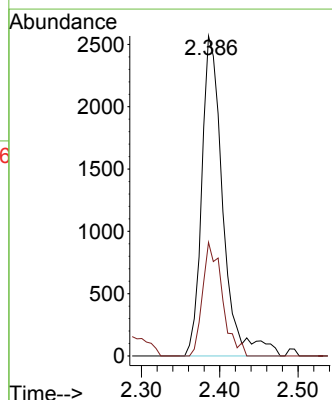
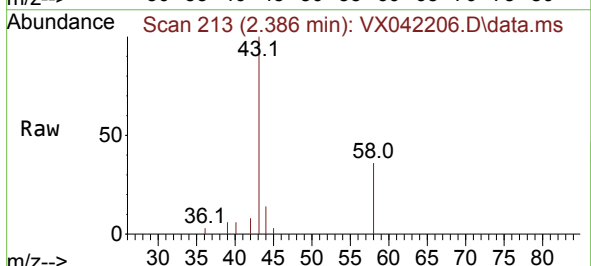
Acq: 05 Jul 2024 12:11

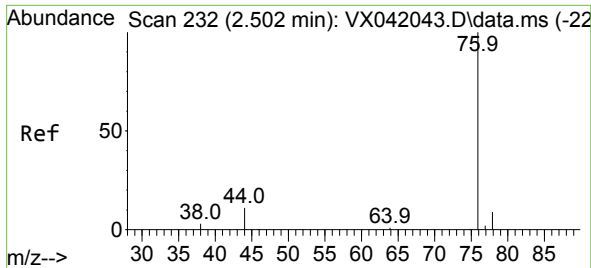
Tgt Ion: 43 Resp: 4804

Ion Ratio Lower Upper

43 100

58 35.5 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.534 ug/l

RT: 2.501 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX042206.D

Acq: 05 Jul 2024 12:11

Instrument :

MSVOA_X

ClientSampleId :

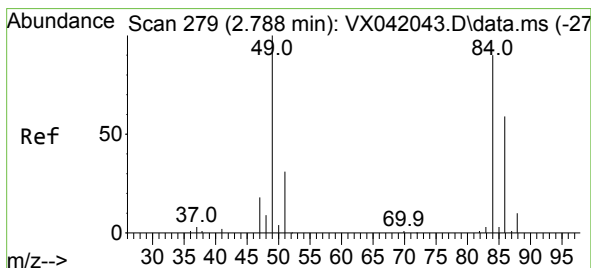
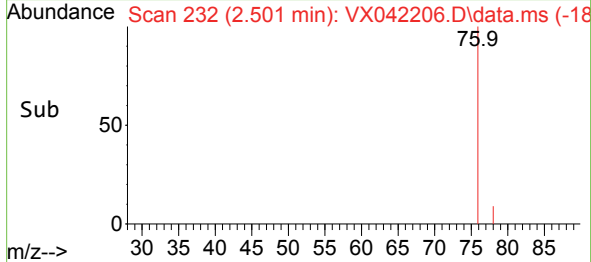
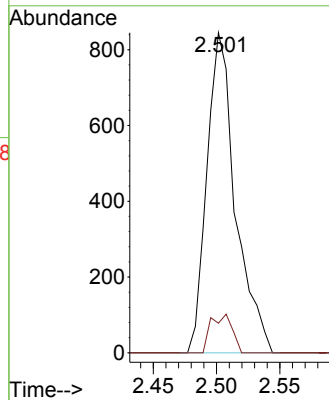
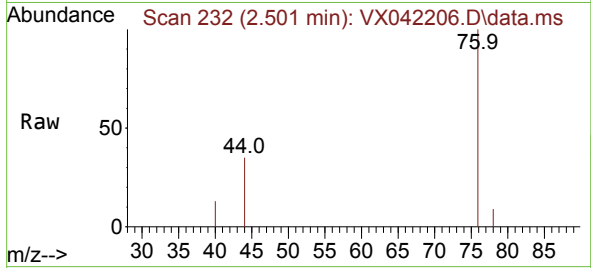
BP-VPB-196-GW-865-867

Tgt Ion: 76 Resp: 1327

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



#20

Methylene Chloride

Concen: 0.788 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX042206.D

Acq: 05 Jul 2024 12:11

Tgt Ion: 84 Resp: 1234

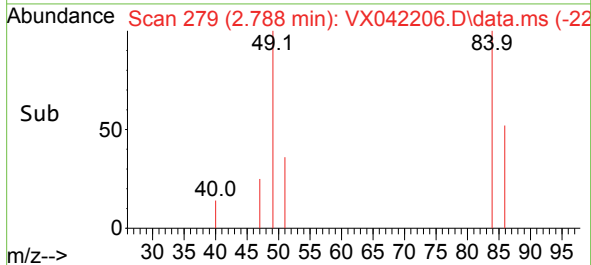
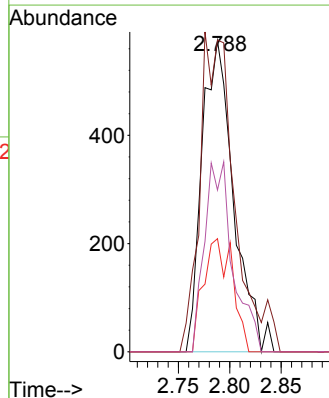
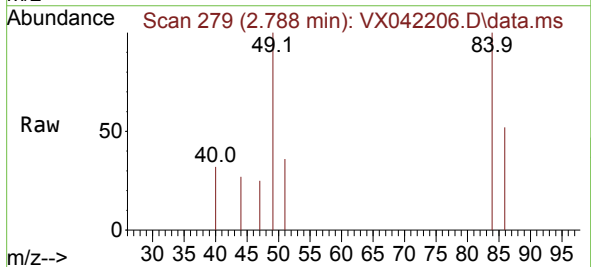
Ion Ratio Lower Upper

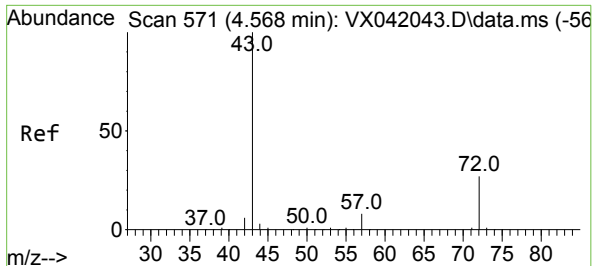
84 100

49 100.2 103.6 155.4#

51 36.3 33.8 50.6

86 52.0 49.4 74.0

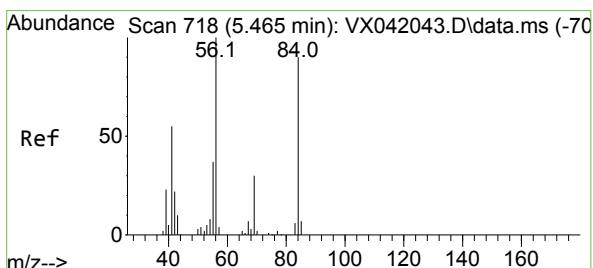
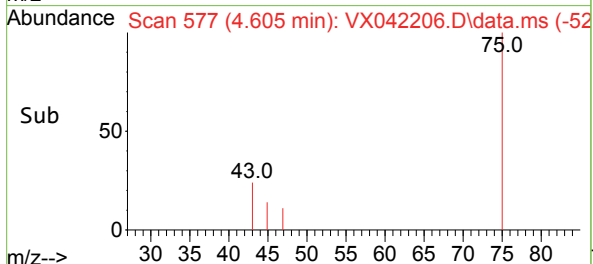
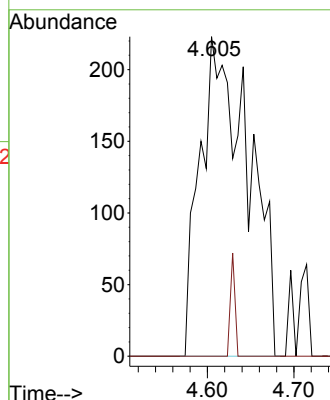
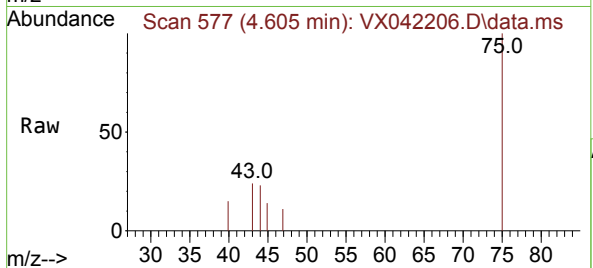




#25
2-Butanone
Concen: 0.778 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

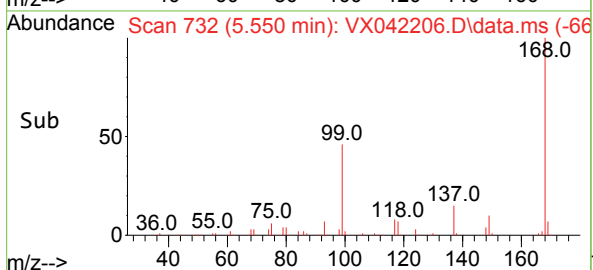
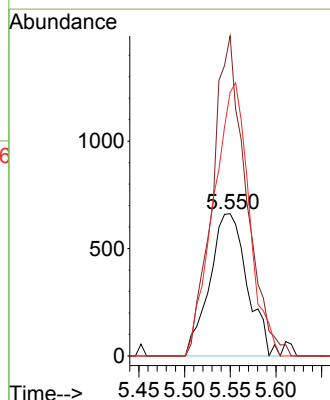
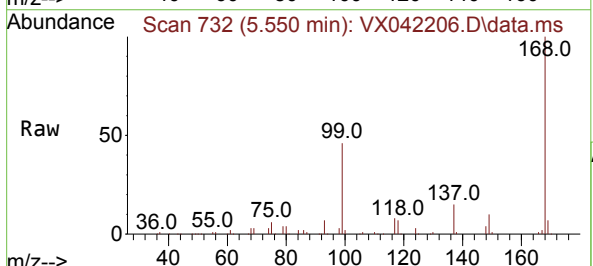
Instrument :
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BP-VPB-196-GW-865-867

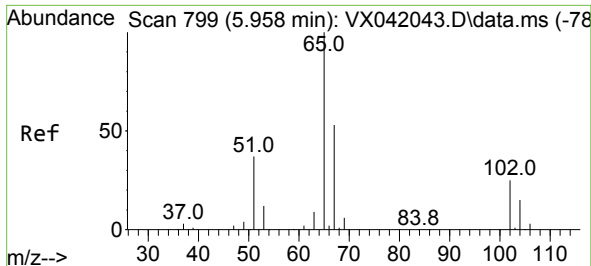
Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

Tgt Ion: 56 Resp: 1890
Ion Ratio Lower Upper
56 100
69 225.1 23.4 35.2#
84 185.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.006 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX042206.D

Acq: 05 Jul 2024 12:11

Instrument :

MSVOA_X

ClientSampleId :

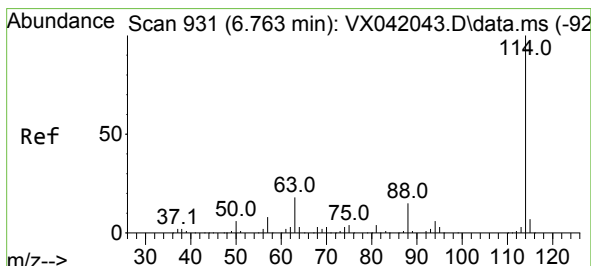
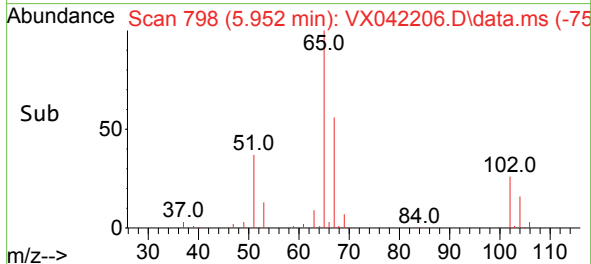
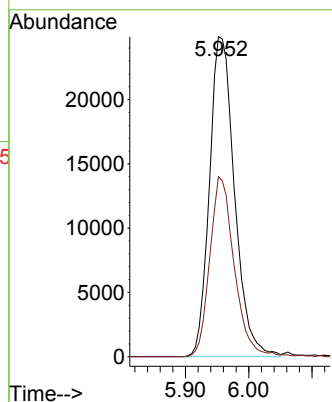
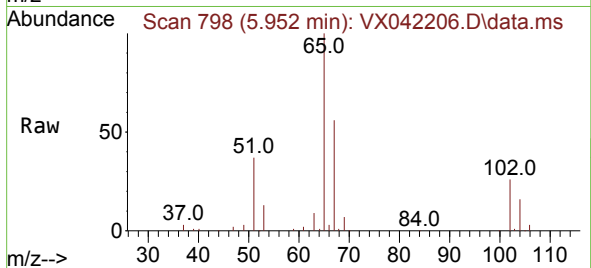
BP-VPB-196-GW-865-867

Tgt Ion: 65 Resp: 68447

Ion Ratio Lower Upper

65 100

67 54.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX042206.D

Acq: 05 Jul 2024 12:11

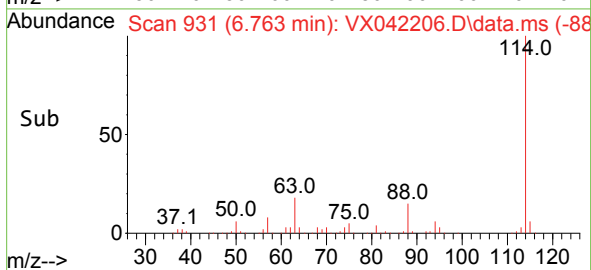
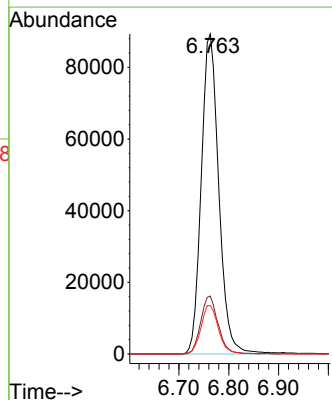
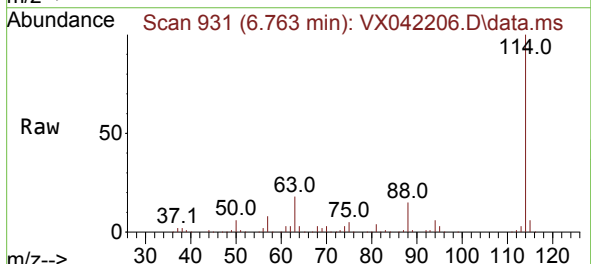
Tgt Ion: 114 Resp: 217826

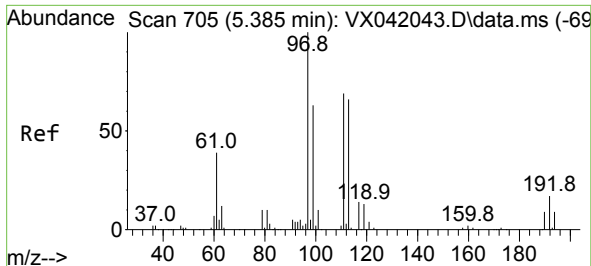
Ion Ratio Lower Upper

114 100

63 18.1 0.0 45.0

88 15.1 0.0 36.6

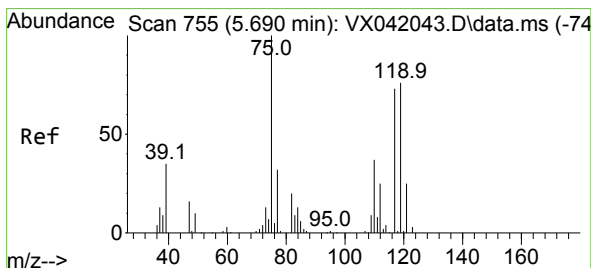
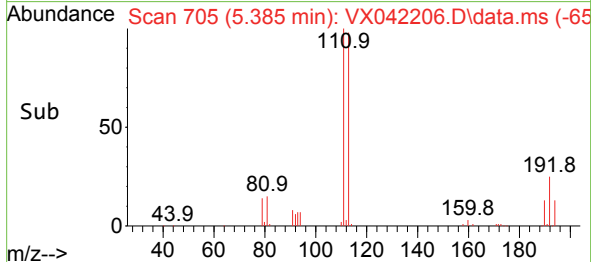
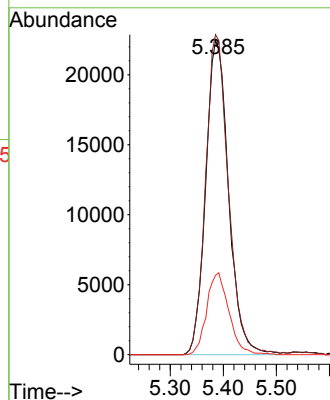
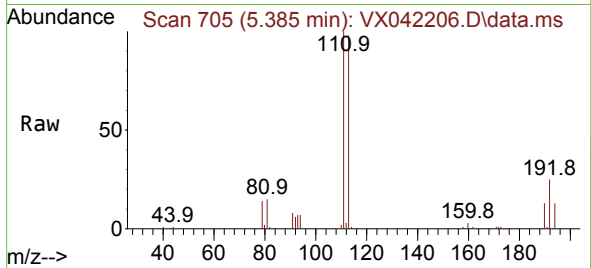




#35
Dibromofluoromethane
Concen: 43.549 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

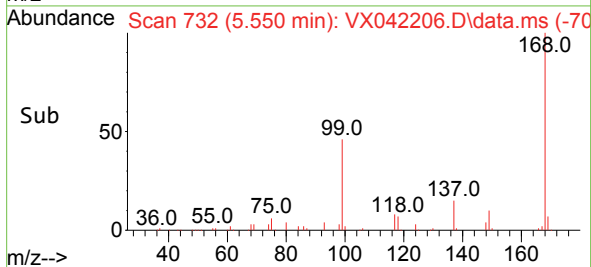
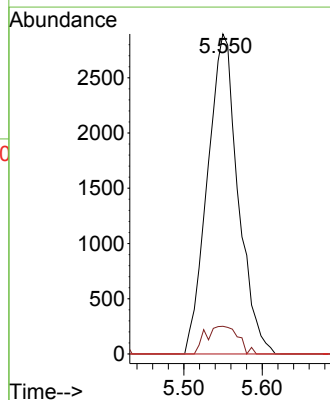
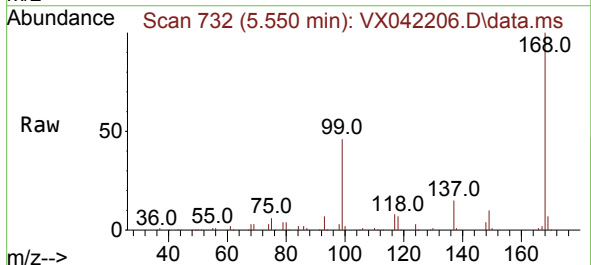
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BP-VPB-196-GW-865-867

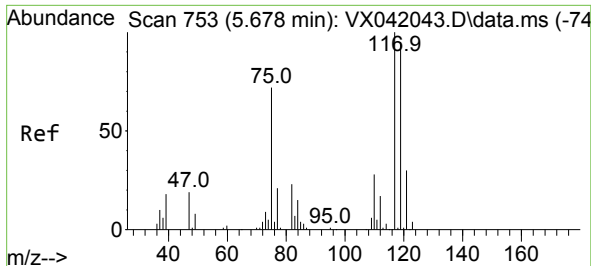
Tgt Ion:113 Resp: 67309
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 25.4 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.793 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

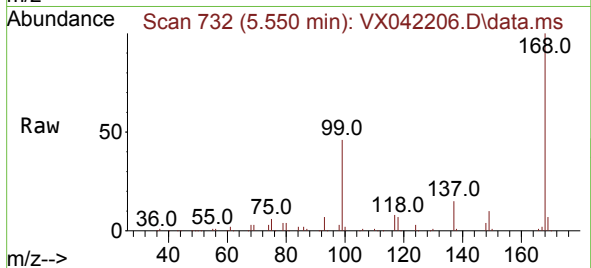
Tgt Ion: 75 Resp: 7866
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



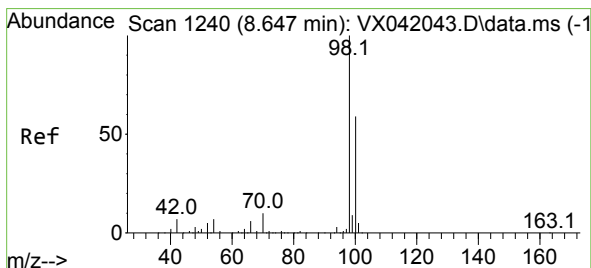
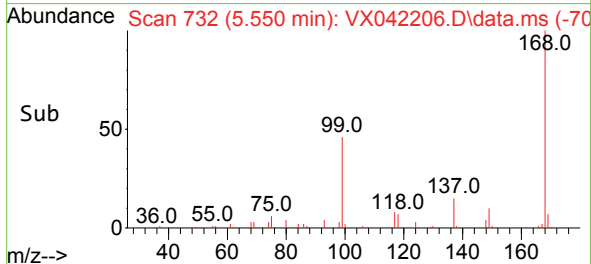
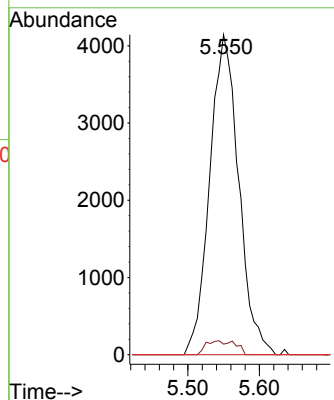


#38
Carbon Tetrachloride
Concen: 6.433 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-865-867

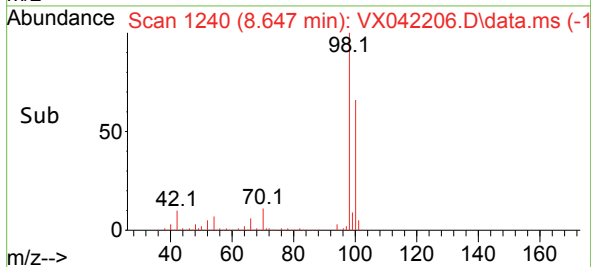
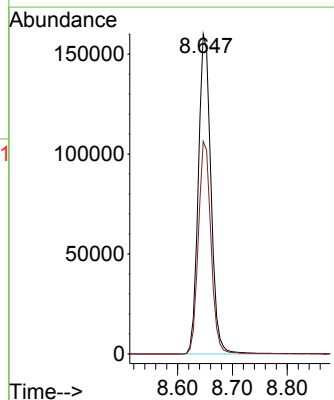
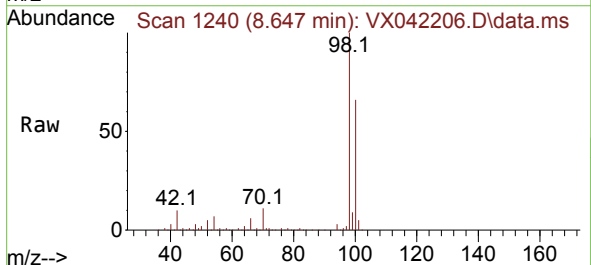


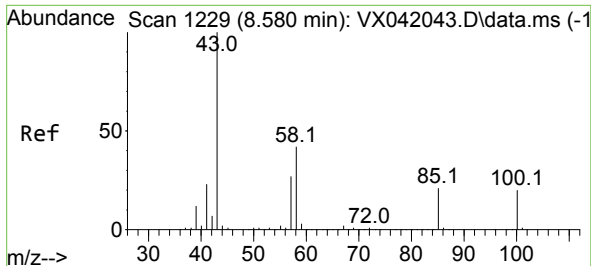
Tgt Ion:117 Resp: 11665
Ion Ratio Lower Upper
117 100
119 3.3 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.321 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

Tgt Ion: 98 Resp: 256939
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

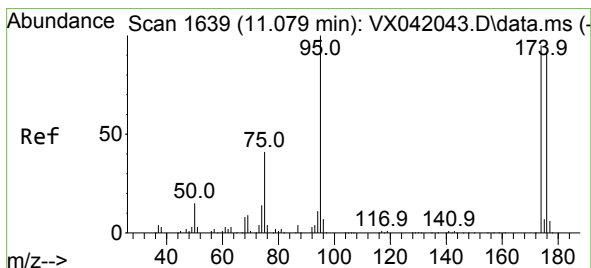
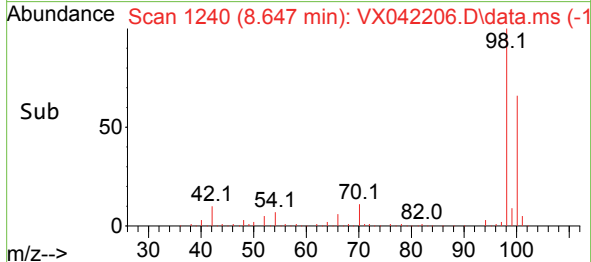
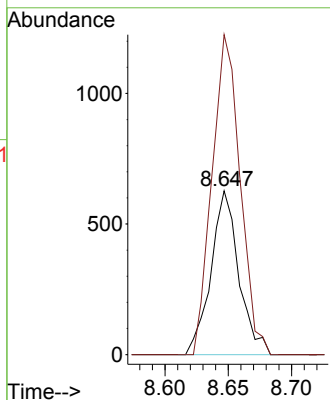
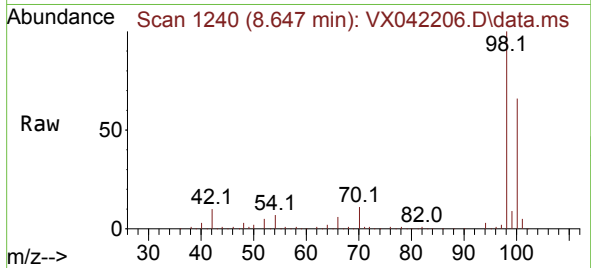




#51
4-Methyl-2-Pentanone
Concen: 0.425 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

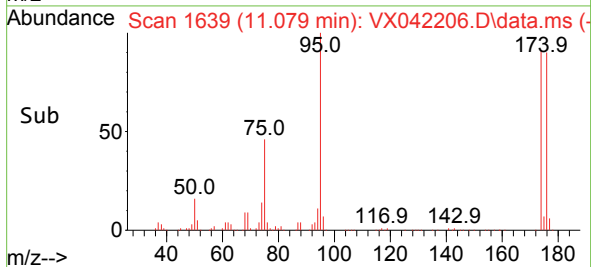
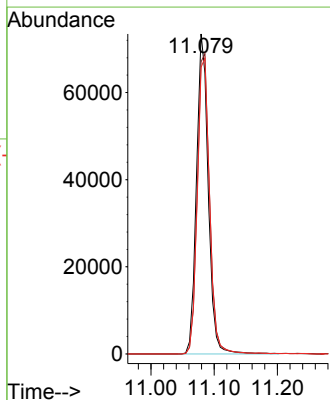
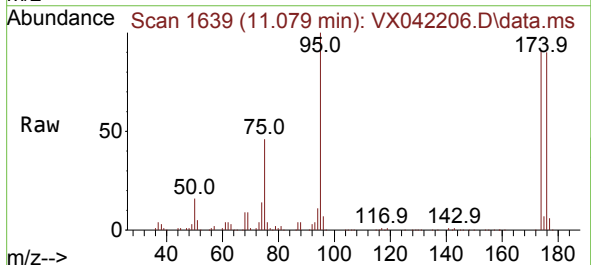
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-865-867

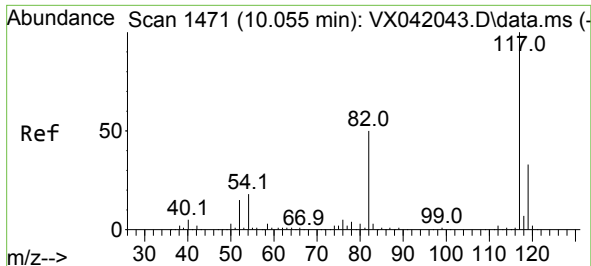
Tgt Ion: 43 Resp: 960
Ion Ratio Lower Upper
43 100
58 197.2 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 47.497 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

Tgt Ion: 95 Resp: 95067
Ion Ratio Lower Upper
95 100
174 98.5 0.0 135.6
176 96.4 0.0 131.0

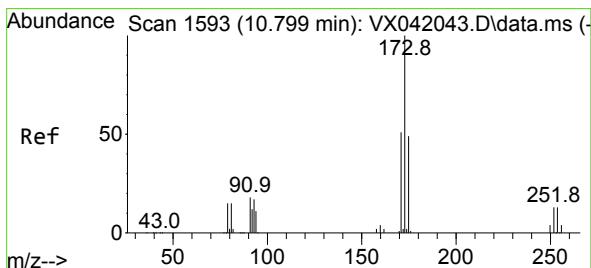
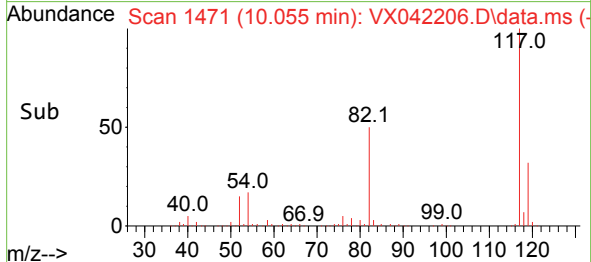
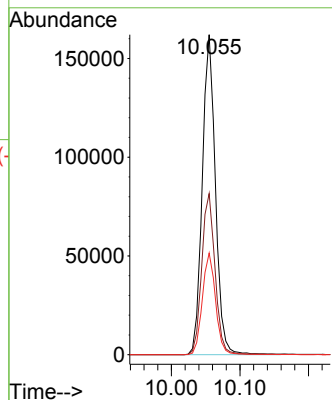
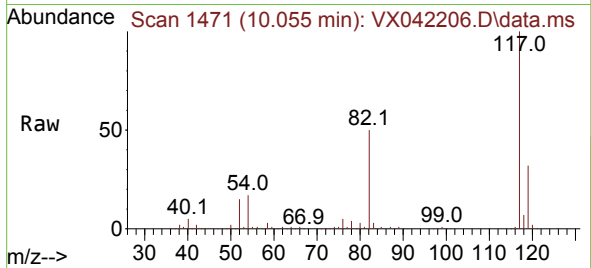




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

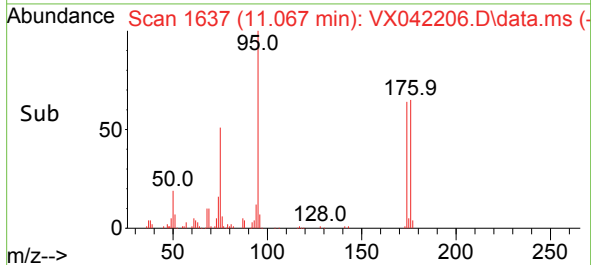
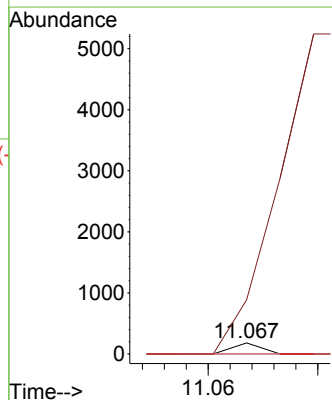
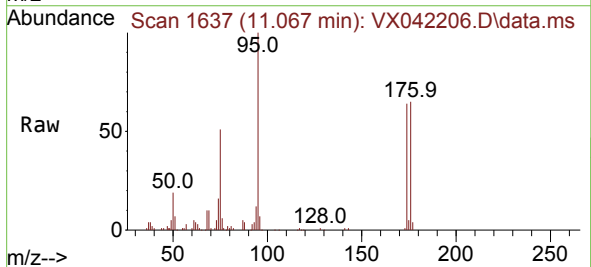
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-865-867

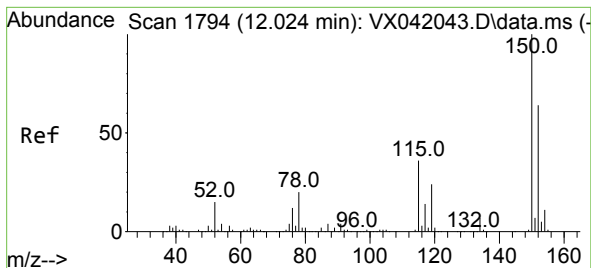
Tgt Ion:117 Resp: 216763
Ion Ratio Lower Upper
117 100
82 50.4 46.2 69.4
119 31.7 25.5 38.3



#71
Bromoform
Concen: 0.920 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.268 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

Tgt Ion:173 Resp: 66
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042206.D

Acq: 05 Jul 2024 12:11

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-196-GW-865-867

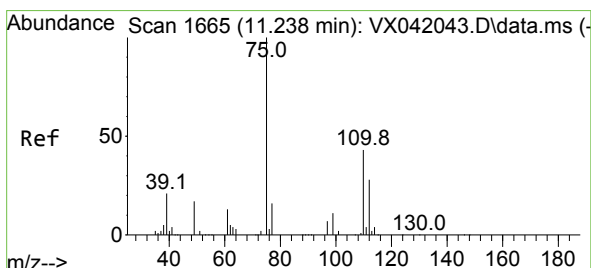
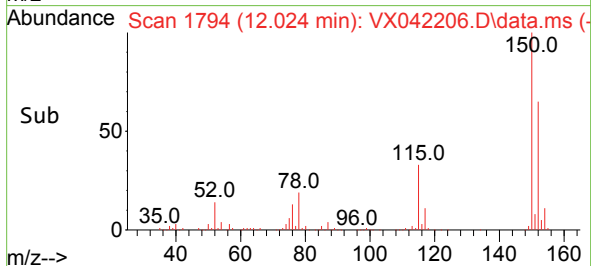
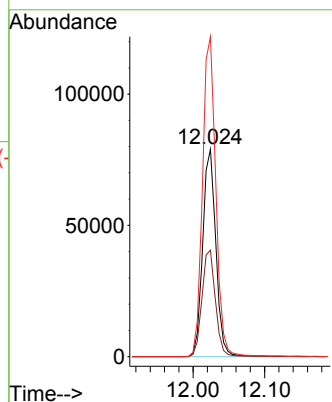
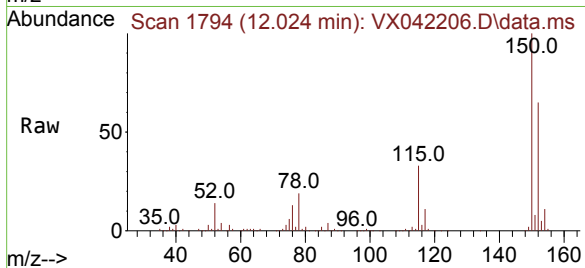
Tgt Ion:152 Resp: 101266

Ion Ratio Lower Upper

152 100

115 52.6 43.3 129.9

150 155.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.577 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042206.D

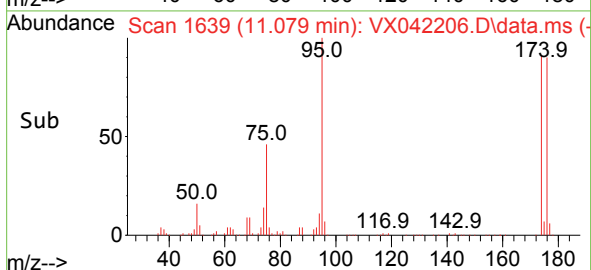
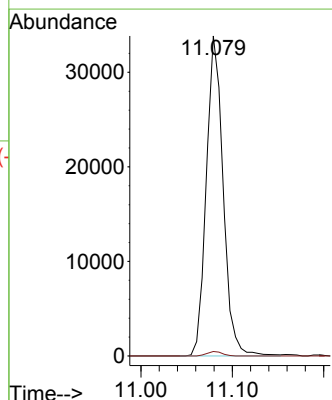
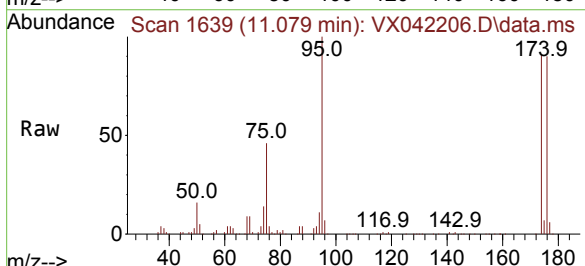
Acq: 05 Jul 2024 12:11

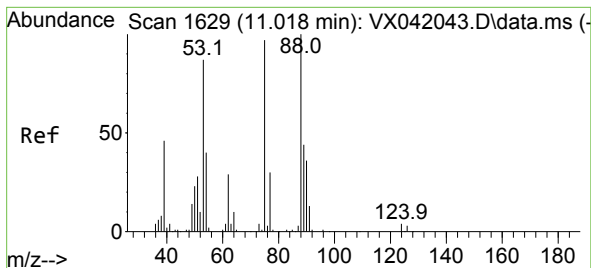
Tgt Ion: 75 Resp: 43343

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

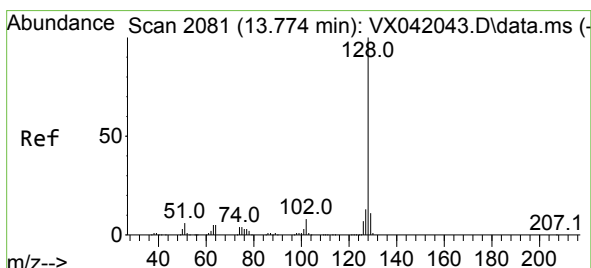
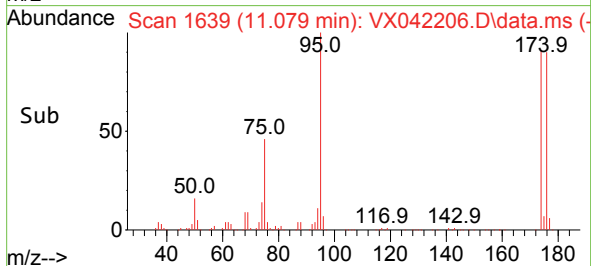
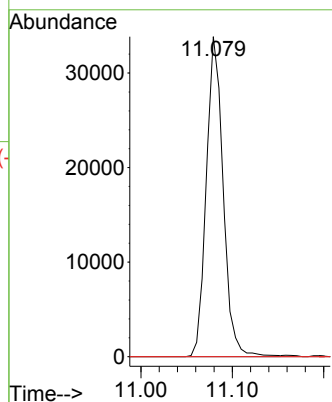
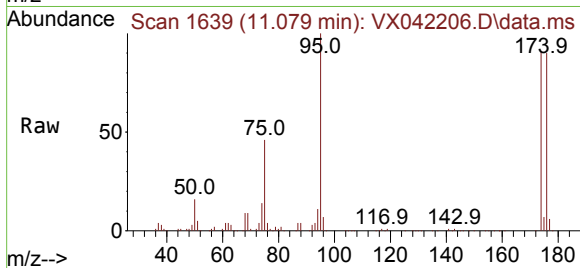




#81
trans-1,4-Dichloro-2-butene
Concen: 66.956 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-865-867

Tgt Ion: 75 Resp: 43343
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.815 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042206.D
Acq: 05 Jul 2024 12:11

Tgt Ion: 128 Resp: 498
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

