

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070524\
 Data File : VX042205.D
 Acq On : 05 Jul 2024 11:48
 Operator : JC/MD
 Sample : P3167-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VPB196-HYD-20240703

Quant Time: Jul 05 23:20:06 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)

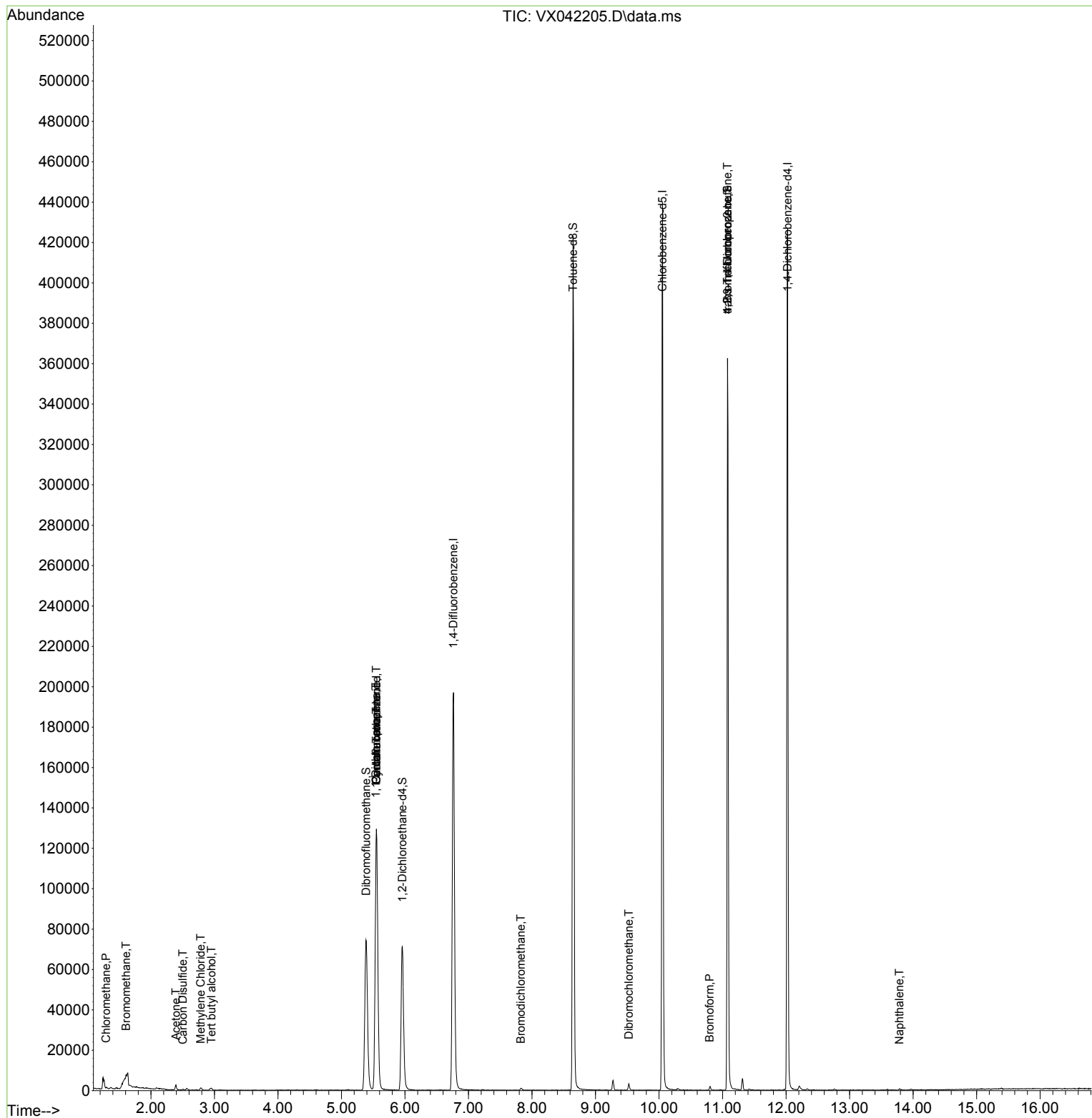
Internal Standards						
1) Pentafluorobenzene	5.550	168	145732	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	222468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69840	41.560	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	83.120%
35) Dibromofluoromethane	5.385	113	67901	43.015	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.040%
50) Toluene-d8	8.647	98	263376	47.494	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.980%
62) 4-Bromofluorobenzene	11.079	95	97487	47.690	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.380%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	544	0.391	ug/l	# 81
5) Bromomethane	1.605	94	473	0.686	ug/l	84
6) Chloroethane	1.672	64	158	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	730	2.289	ug/l	# 78
16) Acetone	2.392	43	2406	3.261	ug/l	# 84
17) Carbon Disulfide	2.502	76	515	0.201	ug/l	# 76
20) Methylene Chloride	2.782	84	669	0.414	ug/l	91
31) Cyclohexane	5.550	56	1859	0.946	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	8325	4.966	ug/l	# 49
38) Carbon Tetrachloride	5.550	117	11883	6.416	ug/l	# 16
47) Bromodichloromethane	7.824	83	993	0.534	ug/l	# 90
60) Dibromochloromethane	9.525	129	1683	1.033	ug/l	99
71) Bromoform	10.799	173	938	1.496	ug/l	# 91
76) 1,2,3-Trichloropropane	11.079	75	43791	22.814	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43791	64.790	ug/l	# 5
95) Naphthalene	13.786	128	811	0.853	ug/l	# 69

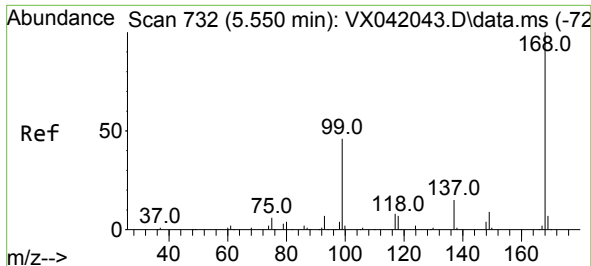
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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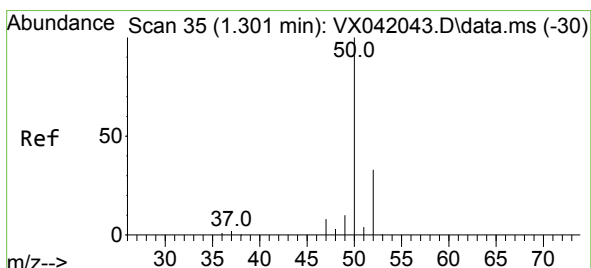
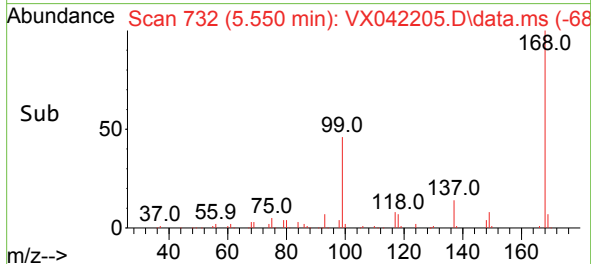
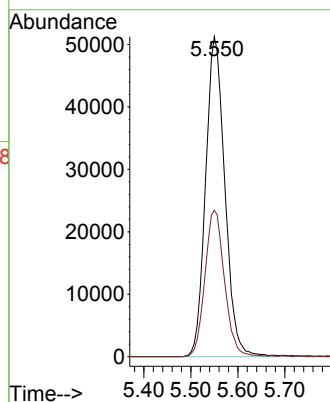
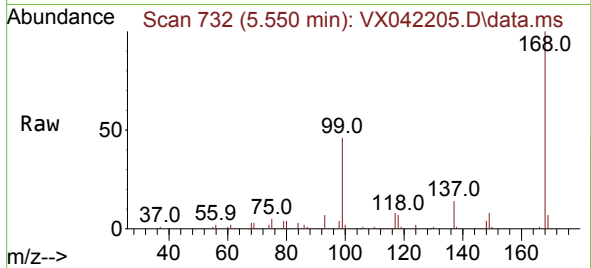




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

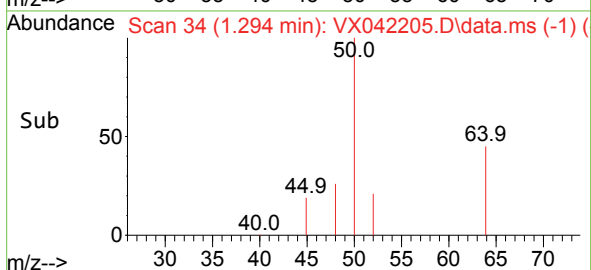
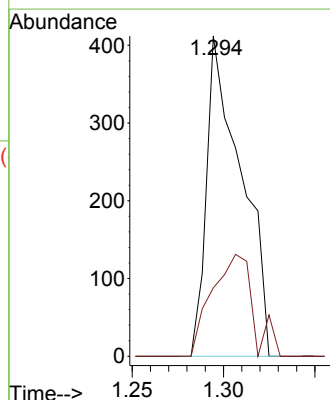
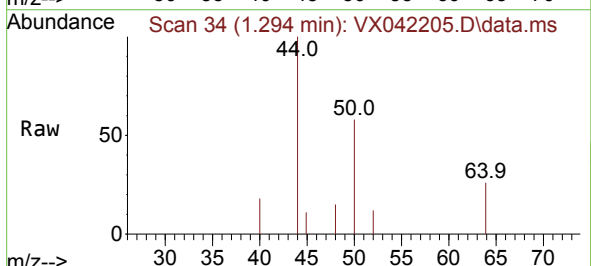
Instrument :
MSVOA_X
ClientSampleId :
VPB196-HYD-20240703

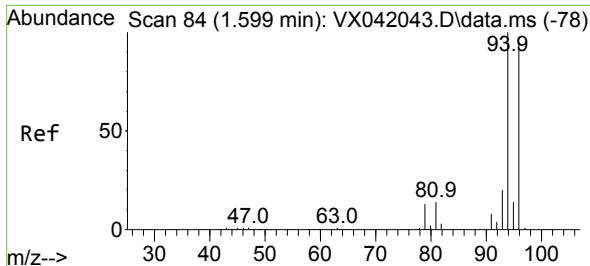
Tgt Ion:168 Resp: 145732
Ion Ratio Lower Upper
168 100
99 45.8 56.6 85.0#



#3
Chloromethane
Concen: 0.391 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

Tgt Ion: 50 Resp: 544
Ion Ratio Lower Upper
50 100
52 21.4 25.5 38.3#

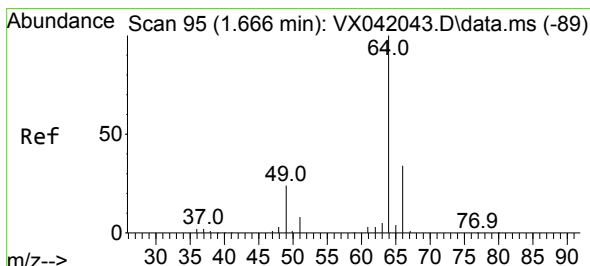
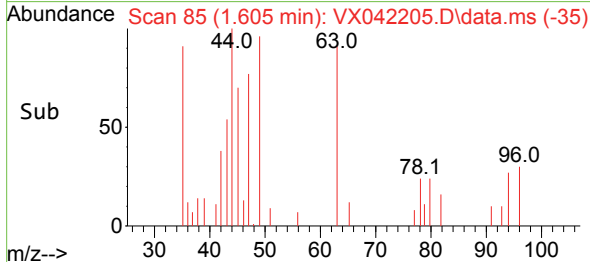
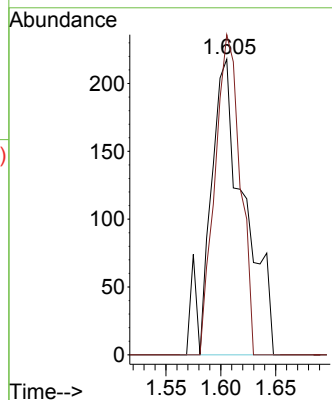
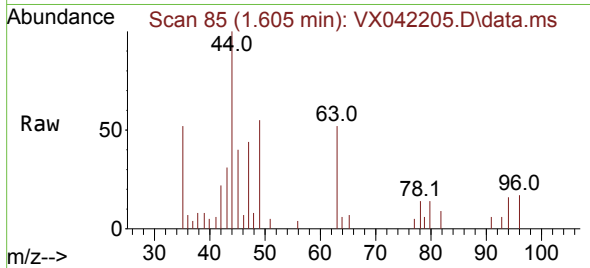




#5
Bromomethane
Concen: 0.686 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

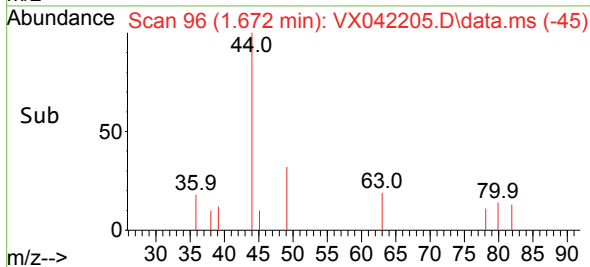
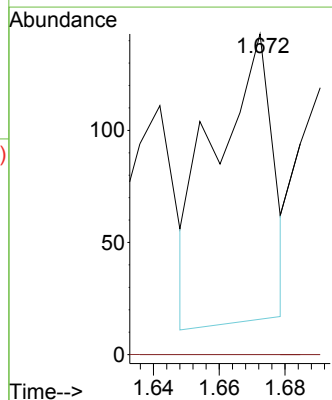
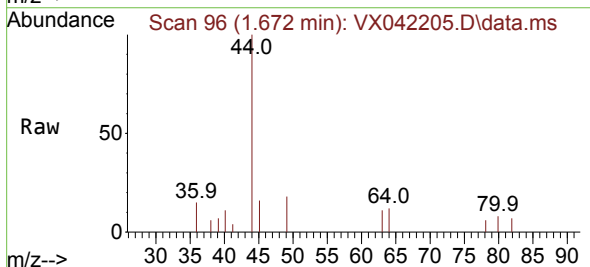
Instrument :
MSVOA_X
ClientSampleId :
VPB196-HYD-20240703

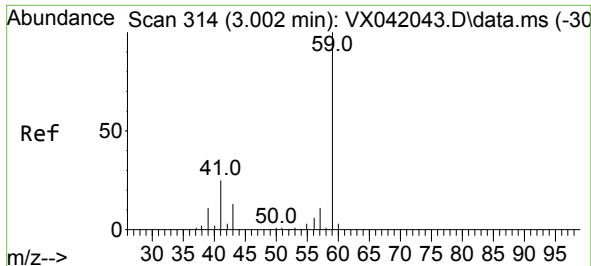
Tgt Ion: 94 Resp: 473
Ion Ratio Lower Upper
94 100
96 108.3 74.6 111.8



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

Tgt Ion: 64 Resp: 158
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.289 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.055 min

Lab File: VX042205.D

Acq: 05 Jul 2024 11:48

Instrument :

MSVOA_X

ClientSampleId :

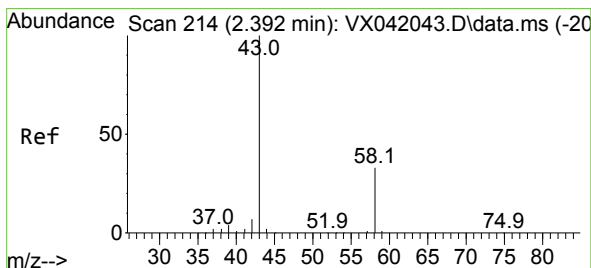
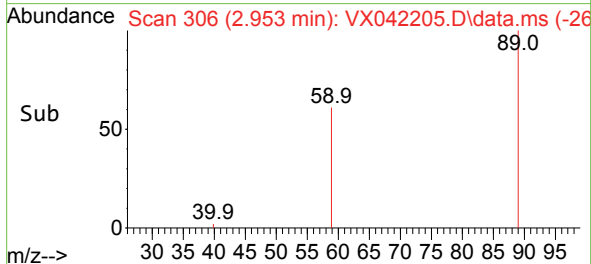
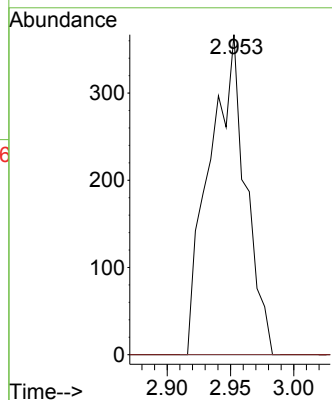
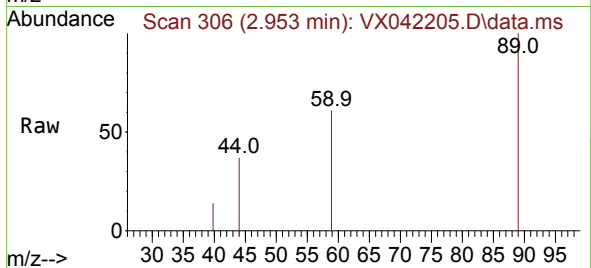
VPB196-HYD-20240703

Tgt Ion: 59 Resp: 730

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 3.261 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042205.D

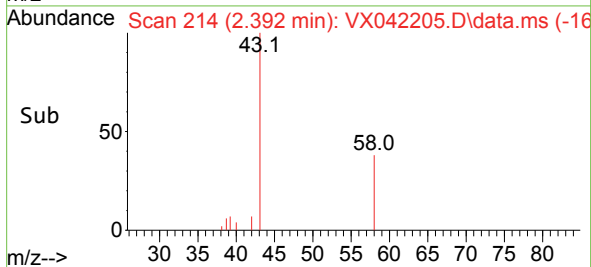
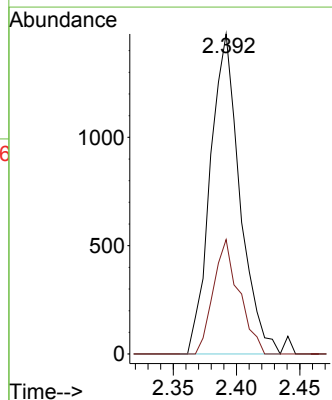
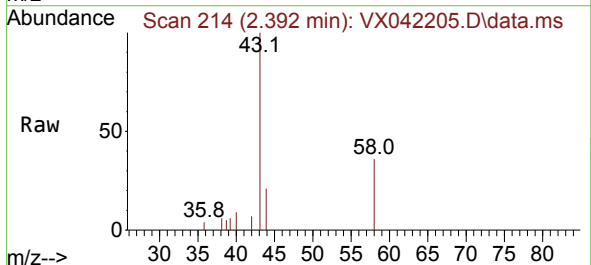
Acq: 05 Jul 2024 11:48

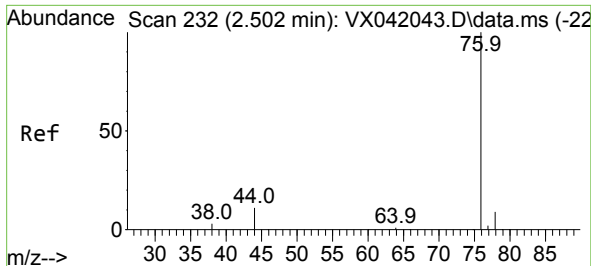
Tgt Ion: 43 Resp: 2406

Ion Ratio Lower Upper

43 100

58 35.7 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.201 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX042205.D

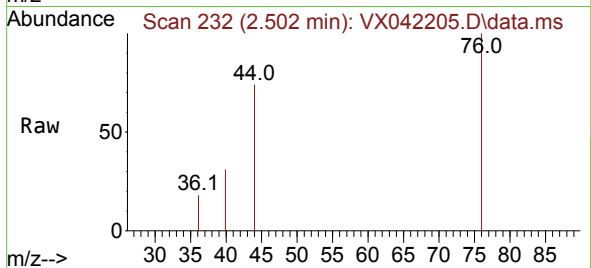
Acq: 05 Jul 2024 11:48

Instrument :

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ClientSampleId :

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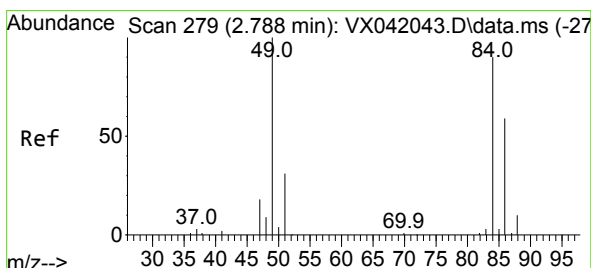
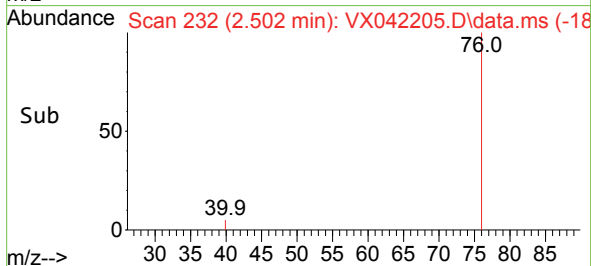
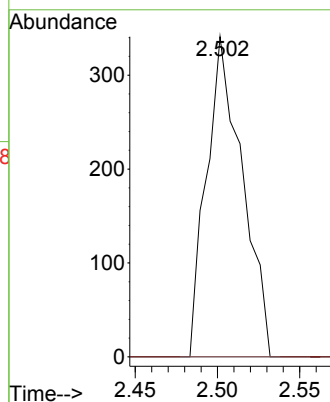


Tgt Ion: 76 Resp: 515

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.414 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX042205.D

Acq: 05 Jul 2024 11:48

Tgt Ion: 84 Resp: 669

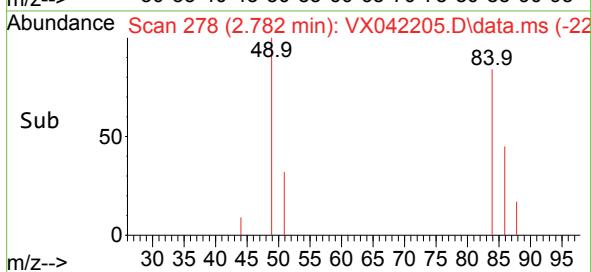
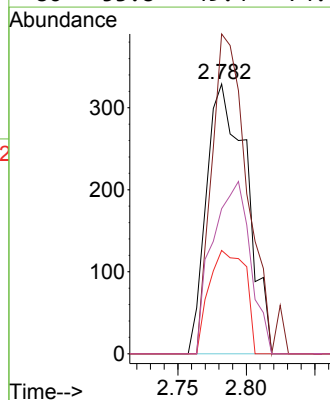
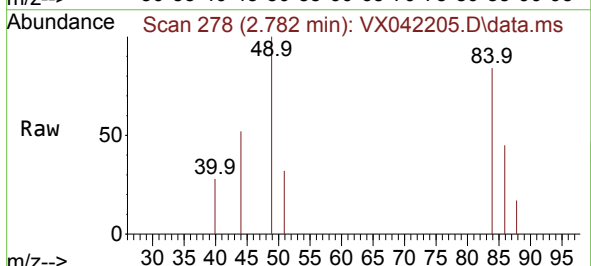
Ion Ratio Lower Upper

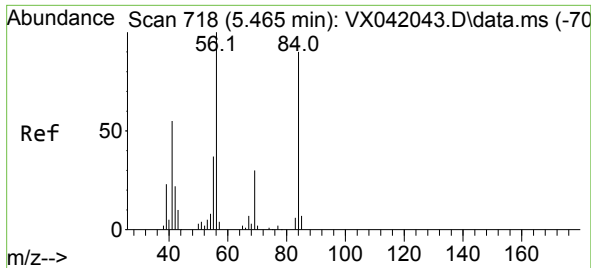
84 100

49 118.5 103.6 155.4

51 38.3 33.8 50.6

86 53.8 49.4 74.0

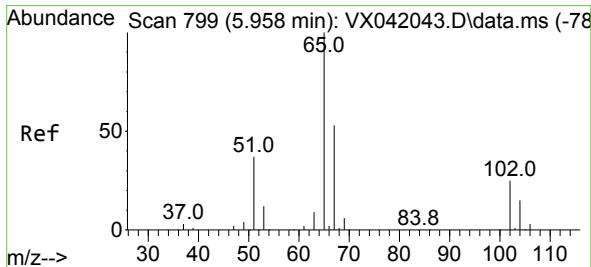
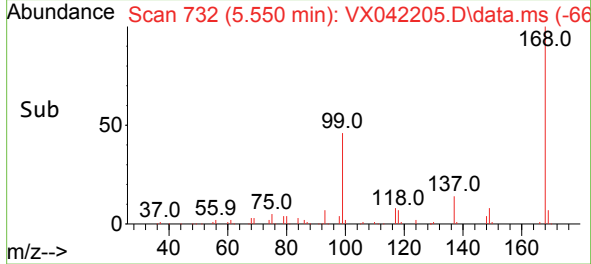
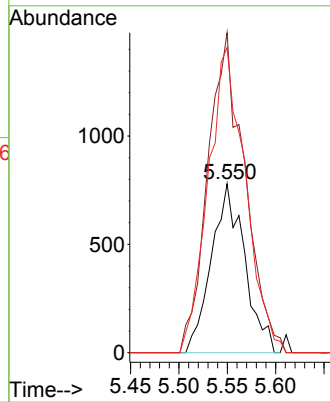
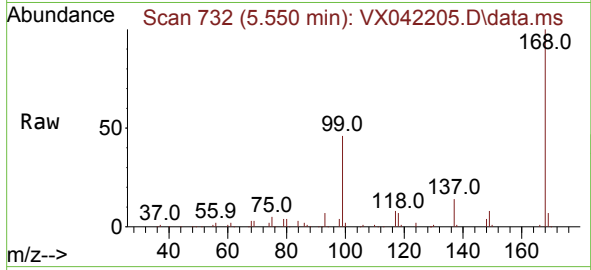




#31
Cyclohexane
Concen: 0.946 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

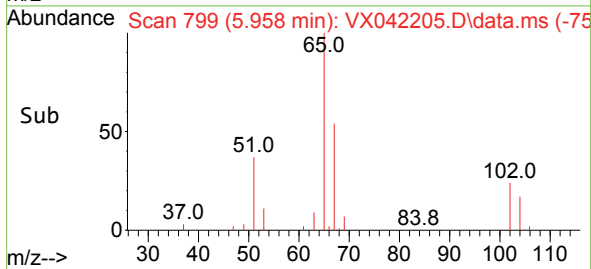
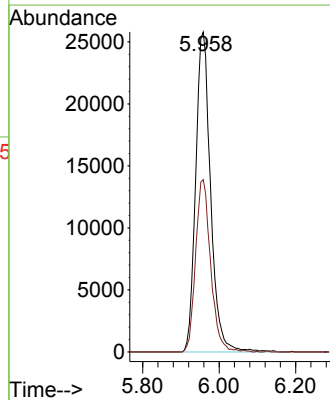
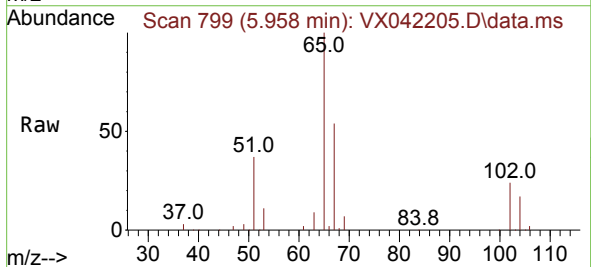
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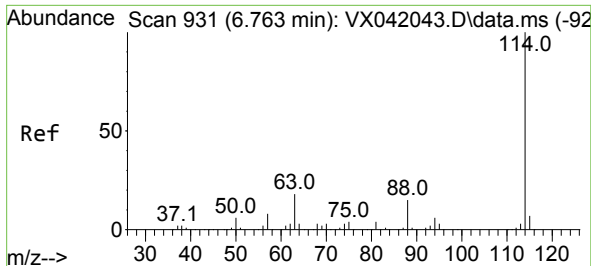
Tgt Ion: 56 Resp: 1859
Ion Ratio Lower Upper
56 100
69 189.4 23.4 35.2#
84 180.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 41.560 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

Tgt Ion: 65 Resp: 69840
Ion Ratio Lower Upper
65 100
67 54.1 0.0 100.2

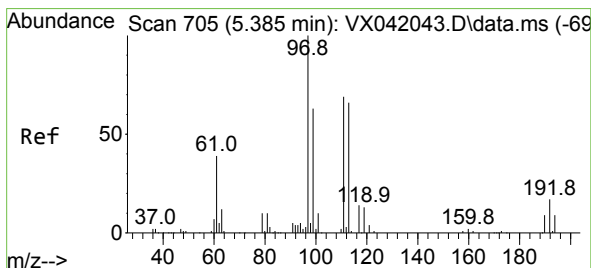
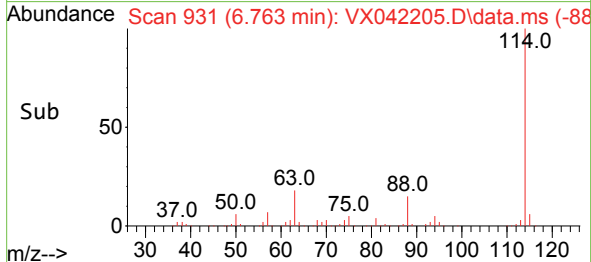
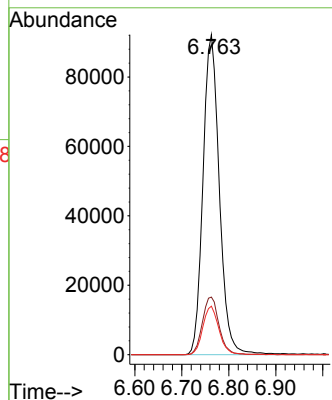
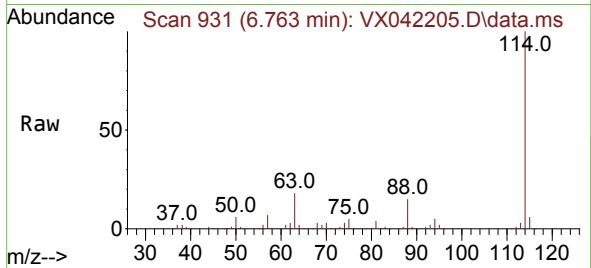




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

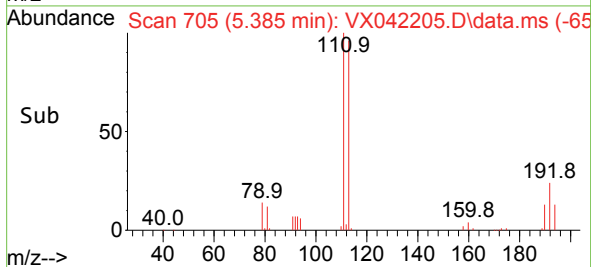
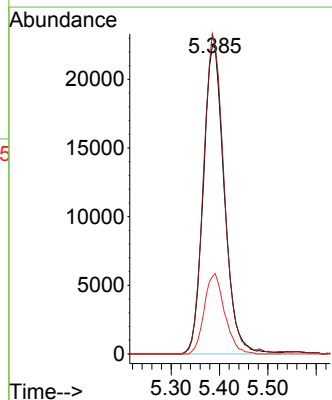
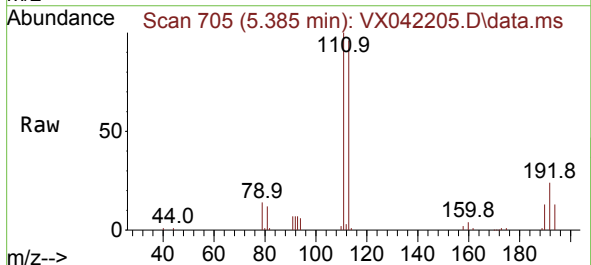
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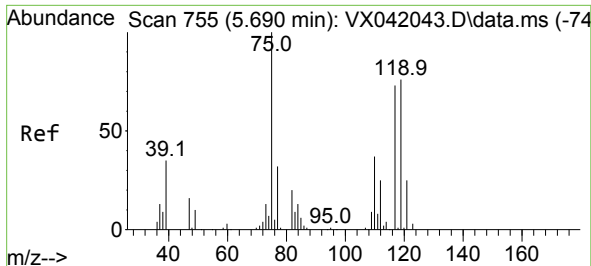
Tgt Ion:114 Resp: 222468
Ion Ratio Lower Upper
114 100
63 18.0 0.0 45.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.015 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

Tgt Ion:113 Resp: 67901
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 25.2 13.3 19.9#

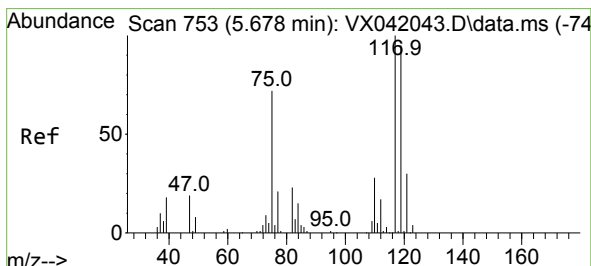
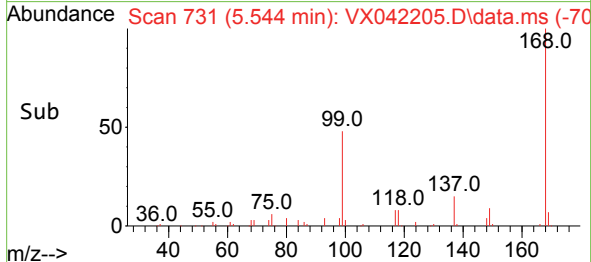
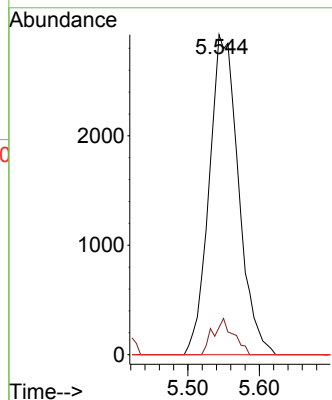
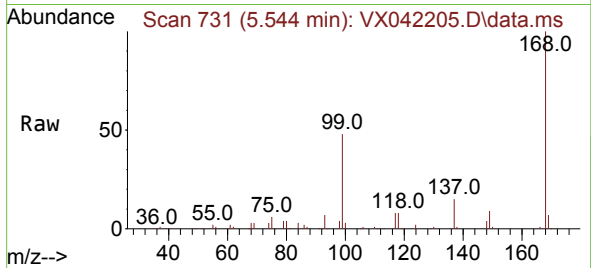




#36
1,1-Dichloropropene
Concen: 4.966 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

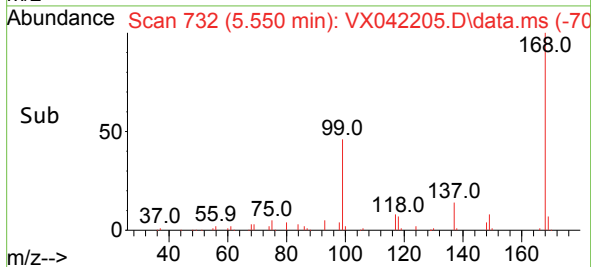
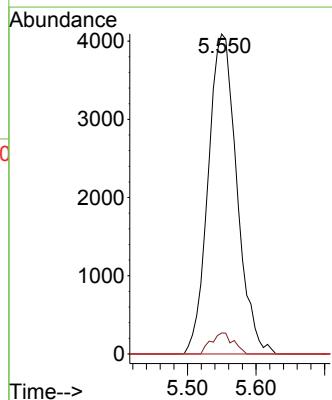
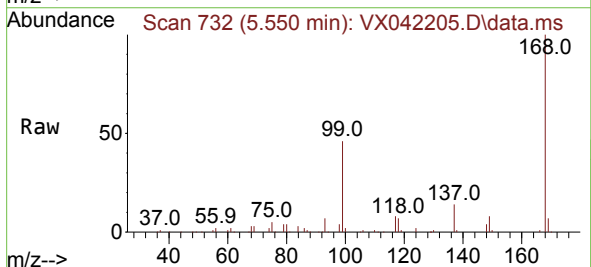
Instrument :
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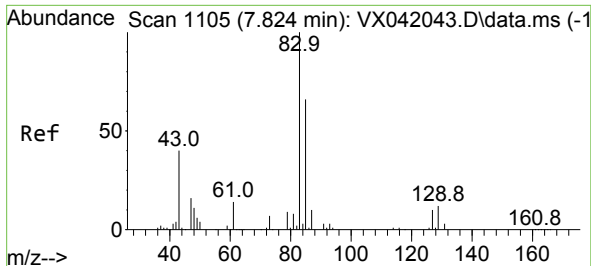
Tgt Ion: 75 Resp: 8325
Ion Ratio Lower Upper
75 100
110 7.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.416 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

Tgt Ion: 117 Resp: 11883
Ion Ratio Lower Upper
117 100
119 6.5 78.2 117.2#
121 0.0 24.4 36.6#

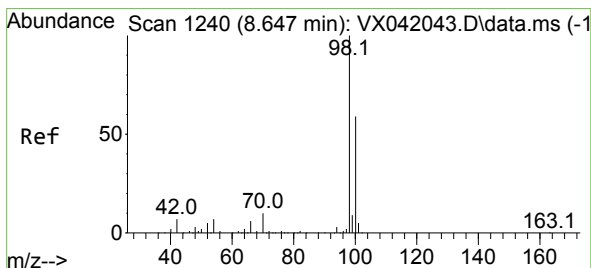
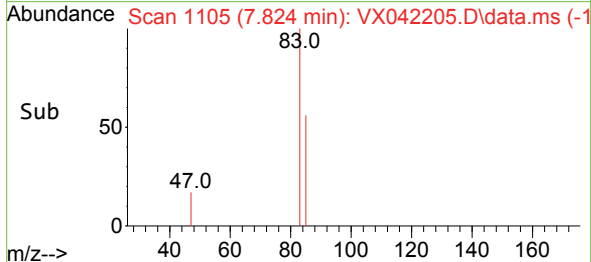
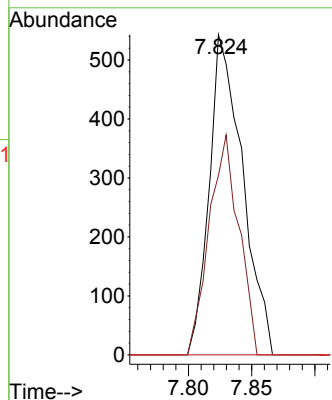
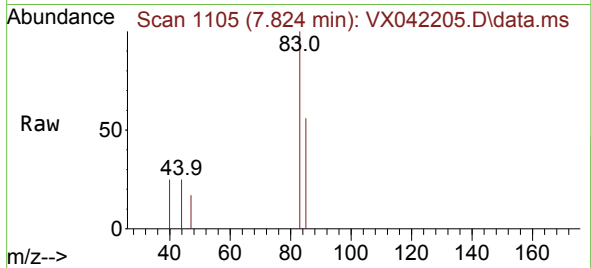




#47
Bromodichloromethane
Concen: 0.534 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

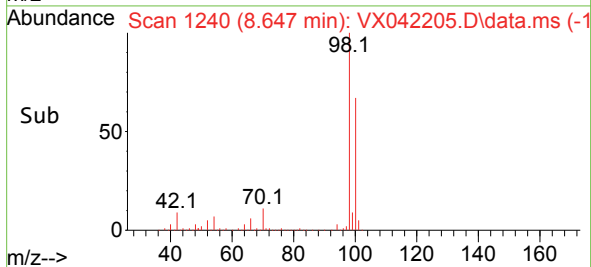
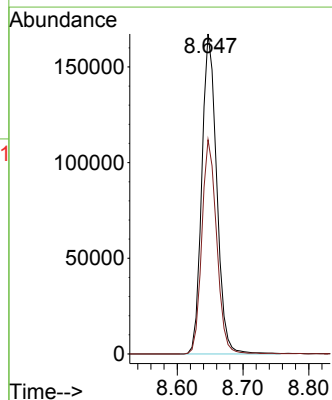
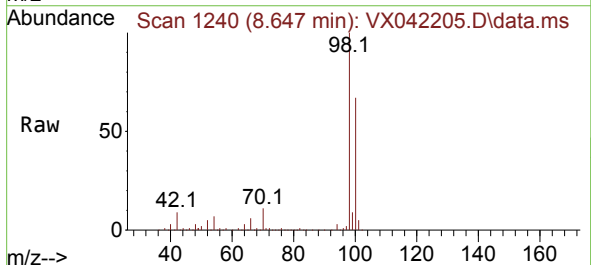
Instrument :
MSVOA_X
ClientSampleId :
VPB196-HYD-20240703

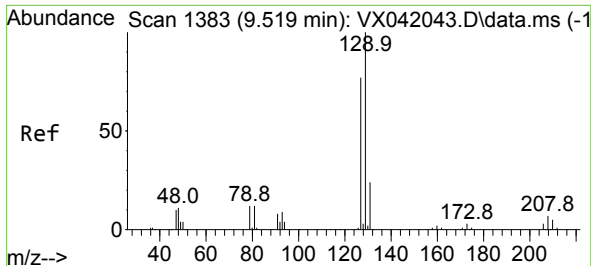
Tgt Ion: 83 Resp: 993
Ion Ratio Lower Upper
83 100
85 56.0 49.8 74.6
127 0.0 7.1 10.7#



#50
Toluene-d8
Concen: 47.494 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

Tgt Ion: 98 Resp: 263376
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7

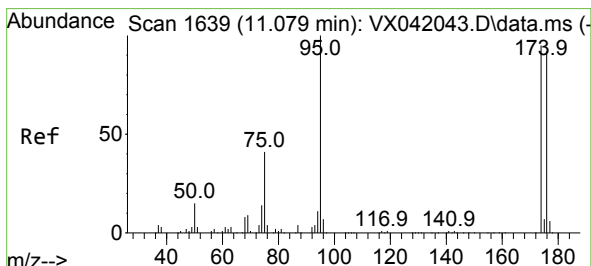
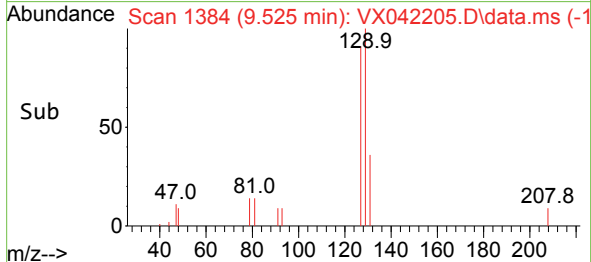
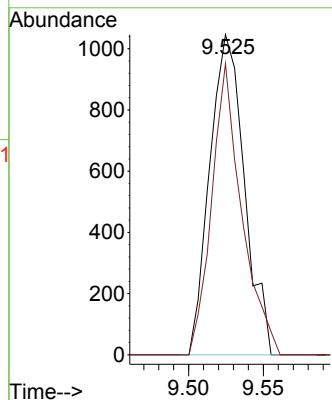
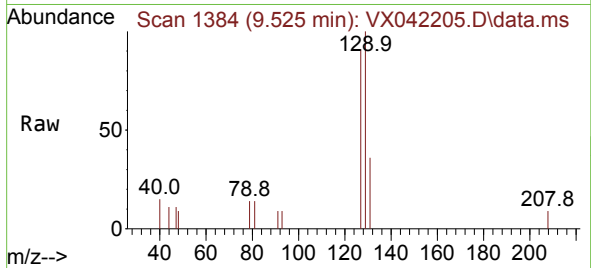




#60
Dibromochloromethane
Concen: 1.033 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

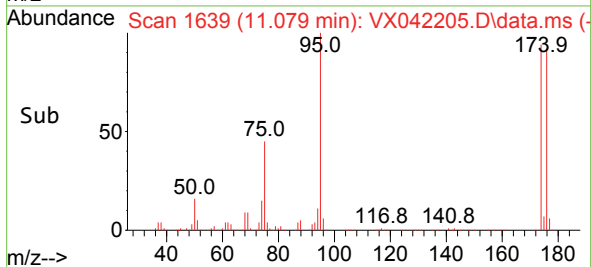
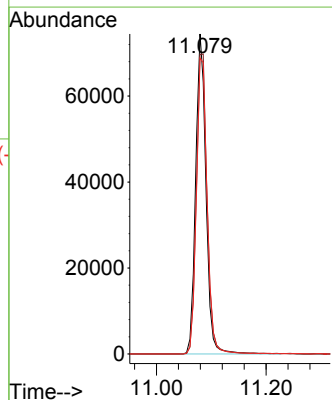
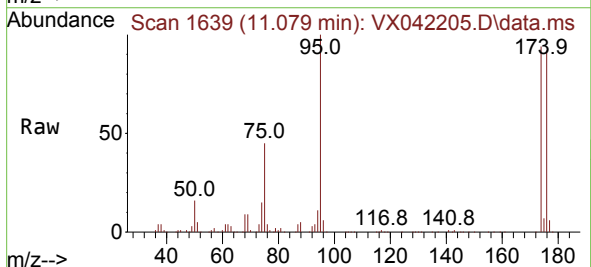
Instrument :
MSVOA_X
ClientSampleId :
VPB196-HYD-20240703

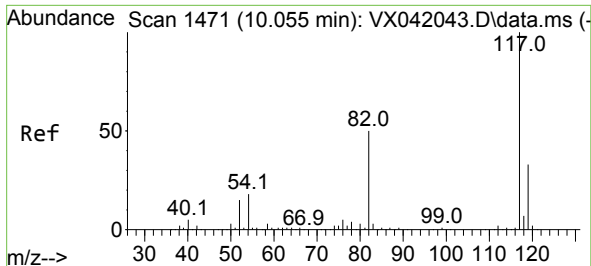
Tgt Ion:129 Resp: 1683
Ion Ratio Lower Upper
129 100
127 78.8 38.8 116.4



#62
4-Bromofluorobenzene
Concen: 47.690 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

Tgt Ion: 95 Resp: 97487
Ion Ratio Lower Upper
95 100
174 98.5 0.0 135.6
176 96.3 0.0 131.0

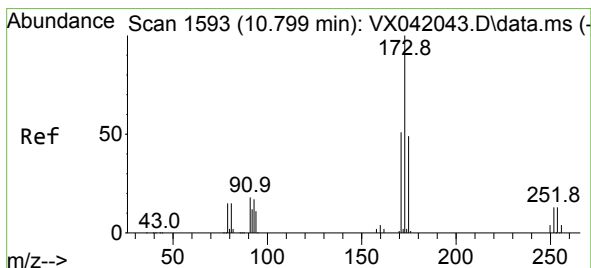
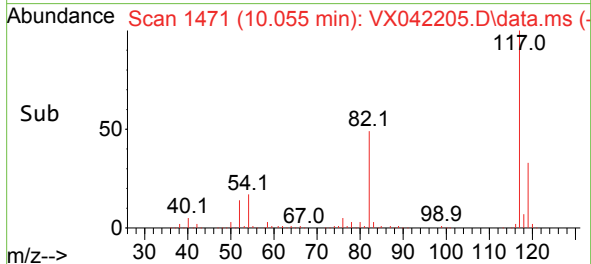
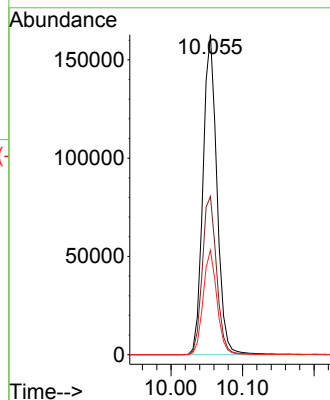
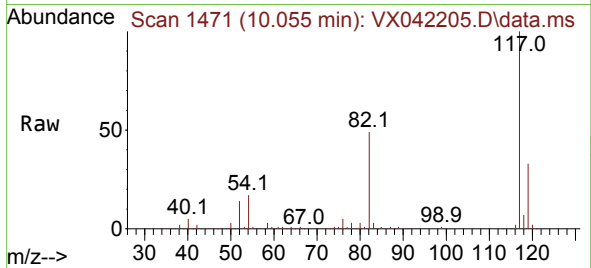




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

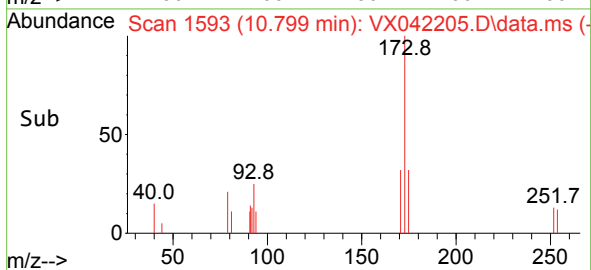
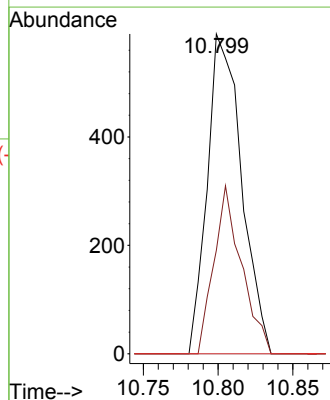
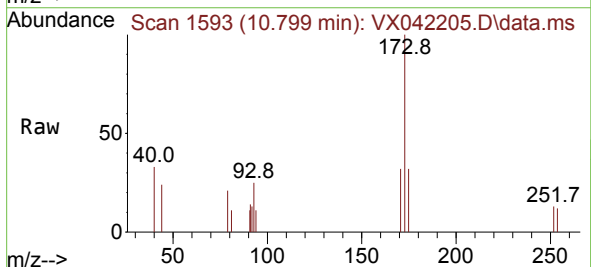
Instrument :
MSVOA_X
ClientSampleId :
VPB196-HYD-20240703

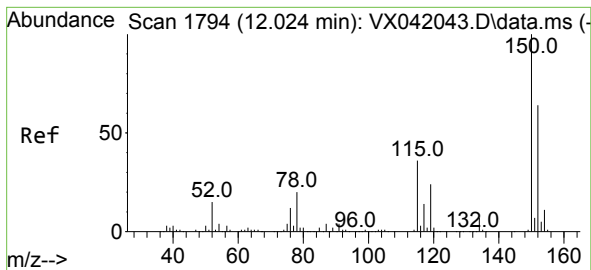
Tgt Ion:117 Resp: 220446
Ion Ratio Lower Upper
117 100
82 49.5 46.2 69.4
119 32.7 25.5 38.3



#71
Bromoform
Concen: 1.496 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

Tgt Ion:173 Resp: 938
Ion Ratio Lower Upper
173 100
175 42.3 24.1 72.4
254 0.0 0.0 0.0

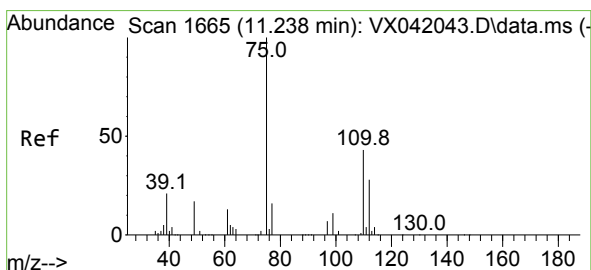
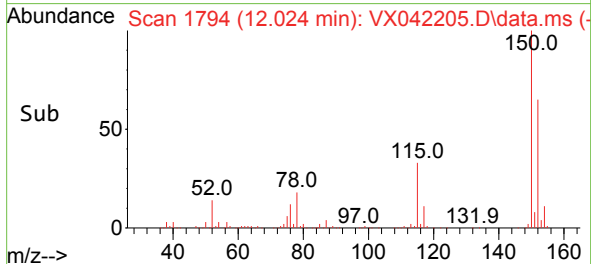
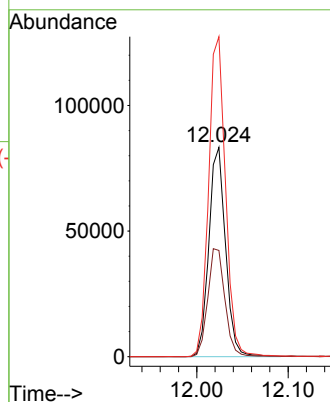
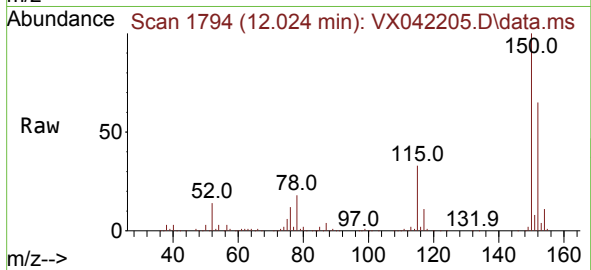




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

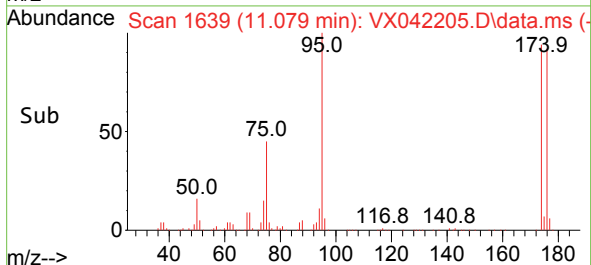
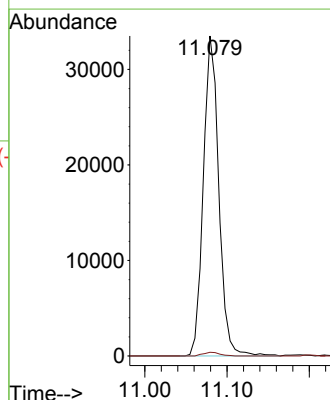
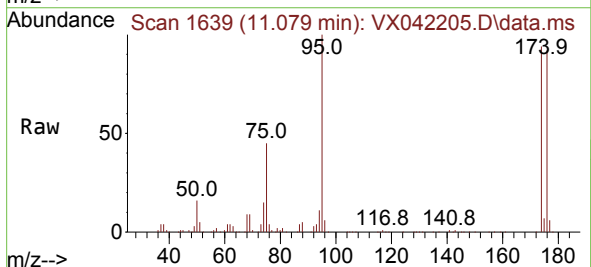
Instrument :
MSVOA_X
ClientSampleId :
VPB196-HYD-20240703

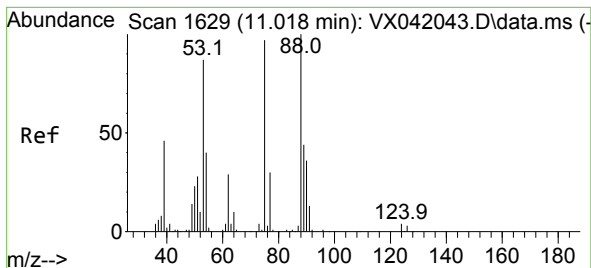
Tgt Ion:152 Resp: 105732
Ion Ratio Lower Upper
152 100
115 53.2 43.3 129.9
150 154.7 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 22.814 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

Tgt Ion: 75 Resp: 43791
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

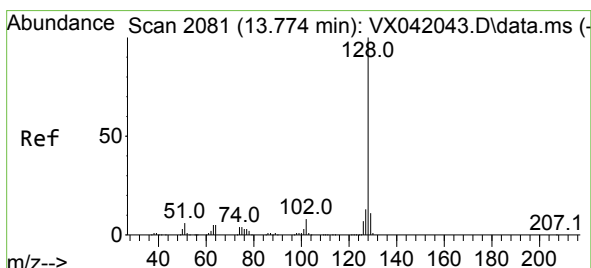
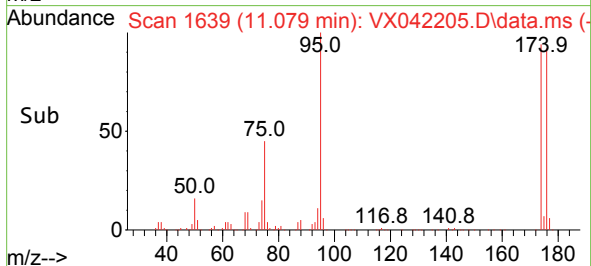
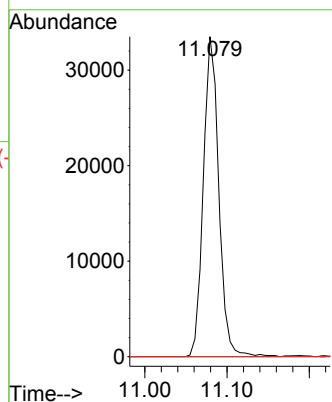
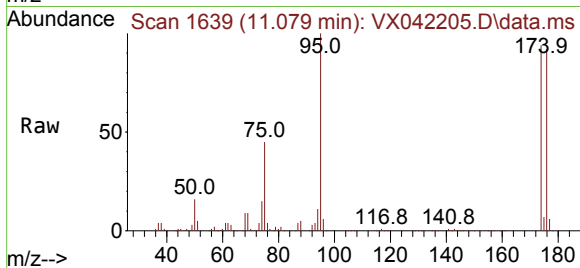




#81
trans-1,4-Dichloro-2-butene
Concen: 64.790 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

Instrument :
MSVOA_X
ClientSampleId :
VPB196-HYD-20240703

Tgt Ion: 75 Resp: 43791
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.853 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042205.D
Acq: 05 Jul 2024 11:48

Tgt Ion: 128 Resp: 811
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

