

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070324\
 Data File : VX042169.D
 Acq On : 03 Jul 2024 17:09
 Operator : JC/MD
 Sample : P3163-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 04 07:29:08 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)

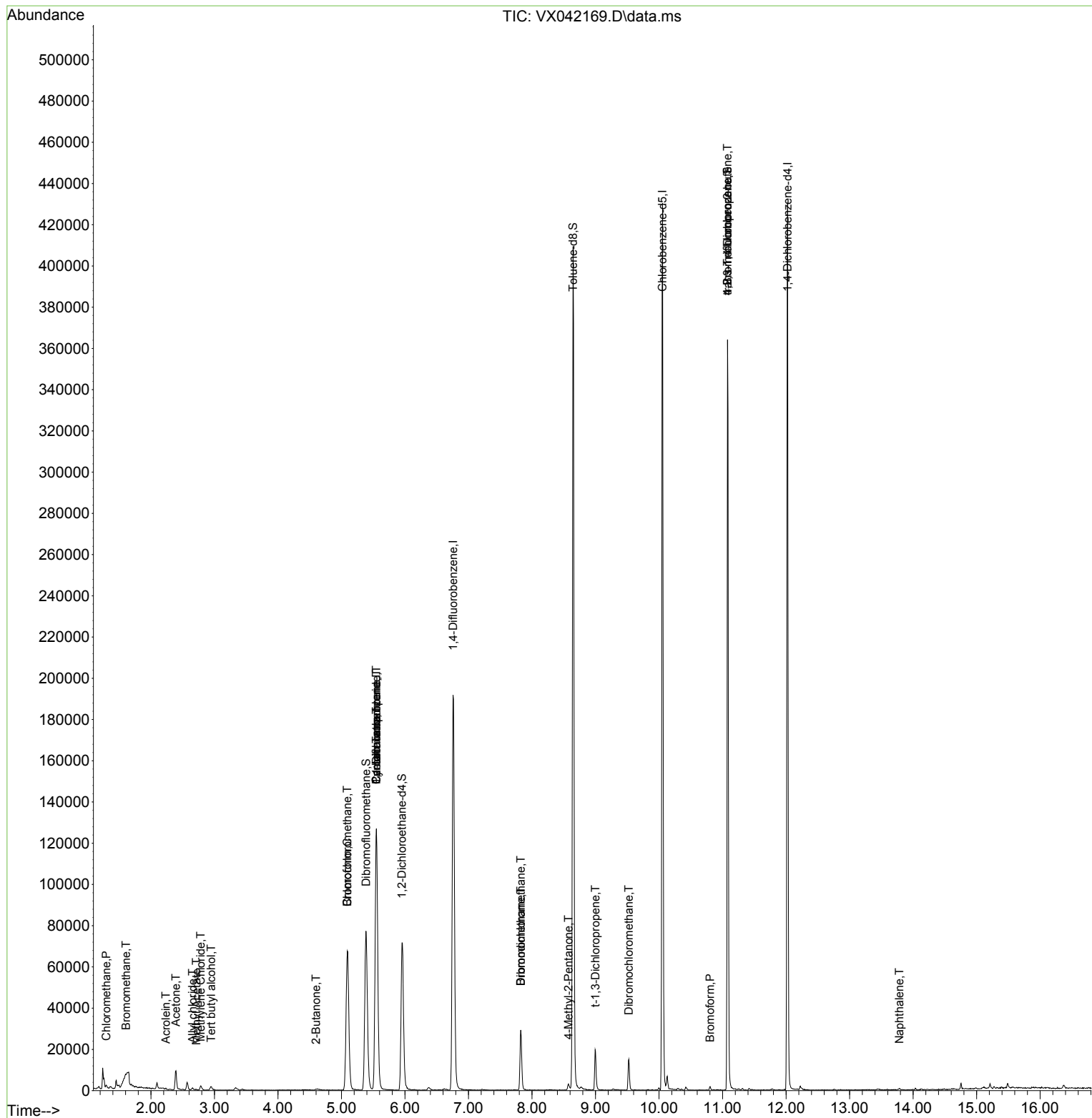
Internal Standards						
1) Pentafluorobenzene	5.550	168	143321	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	219795	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70445	42.625	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.240%
35) Dibromofluoromethane	5.385	113	69066	44.286	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.580%
50) Toluene-d8	8.647	98	255717	46.674	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.340%
62) 4-Bromofluorobenzene	11.079	95	96095	47.581	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.160%
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	1288	0.940	ug/l	97
5) Bromomethane	1.605	94	523	0.771	ug/l	# 78
6) Chloroethane	1.660	64	211	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	1052	3.354	ug/l	# 78
13) Acrolein	2.233	56	151	0.429	ug/l	94
14) Allyl chloride	2.654	41	977	0.498	ug/l	# 38
16) Acetone	2.392	43	10860	14.965	ug/l	91
18) Methyl Acetate	2.715	43	428	0.216	ug/l	# 53
20) Methylene Chloride	2.782	84	1229	0.773	ug/l	# 84
25) 2-Butanone	4.599	43	808	0.716	ug/l	# 51
28) Bromochloromethane	5.093	49	5852	5.888	ug/l	# 16
30) Chloroform	5.093	83	85947	35.549	ug/l	95
31) Cyclohexane	5.550	56	1835	0.949	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	8155	4.924	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	11555	6.315	ug/l	# 16
46) Dibromomethane	7.824	93	639	0.639	ug/l	# 7
47) Bromodichloromethane	7.824	83	19867	10.814	ug/l	# 96
51) 4-Methyl-2-Pentanone	8.574	43	3734	1.637	ug/l	# 37
53) t-1,3-Dichloropropene	9.000	75	1103	1.463	ug/l	95
60) Dibromochloromethane	9.525	129	7580	4.710	ug/l	99
71) Bromoform	10.805	173	770	1.394	ug/l	# 88
76) 1,2,3-Trichloropropane	11.079	75	43703	23.411	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43703	66.485	ug/l	# 5
95) Naphthalene	13.786	128	837	0.860	ug/l	# 86

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :

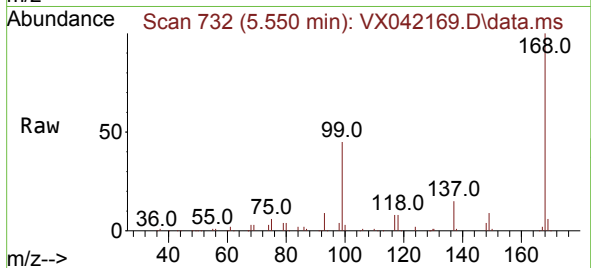
Quant Time: Jul 04 07:29:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
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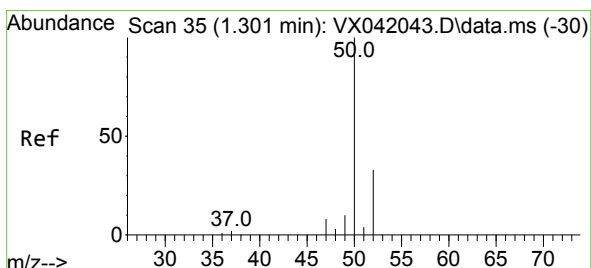
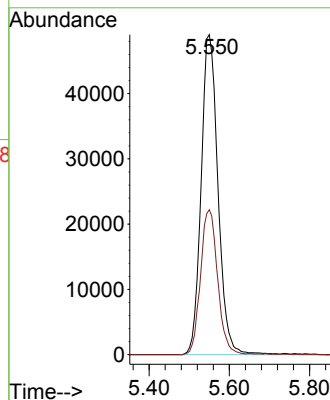
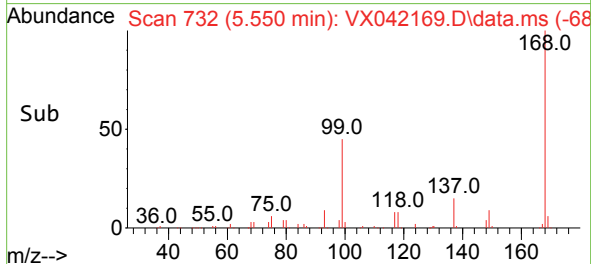


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Instrument :
MSVOA_X
ClientSampleId :

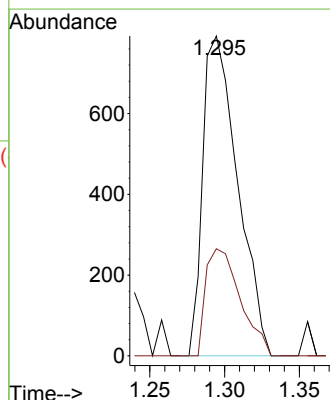
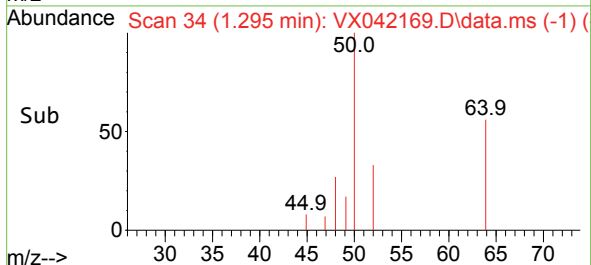
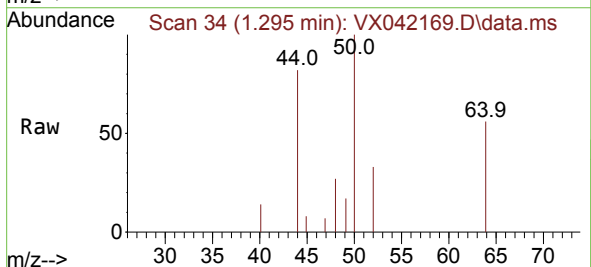


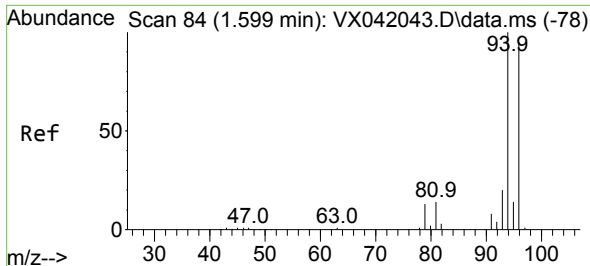
Tgt Ion:168 Resp: 143321
Ion Ratio Lower Upper
168 100
99 45.3 56.6 85.0#



#3
Chloromethane
Concen: 0.940 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Tgt Ion: 50 Resp: 1288
Ion Ratio Lower Upper
50 100
52 33.5 25.5 38.3

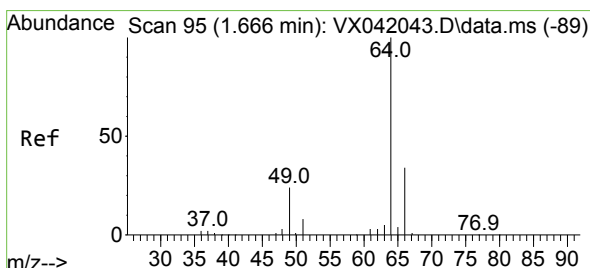
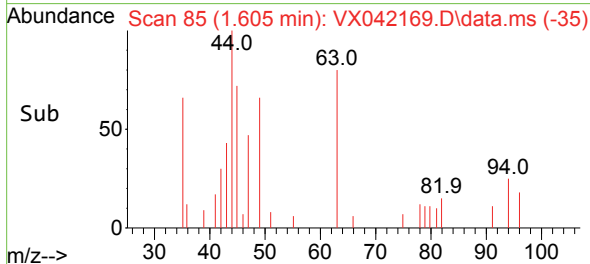
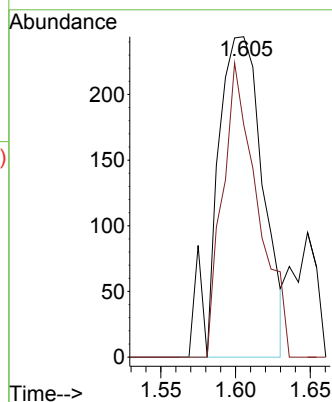
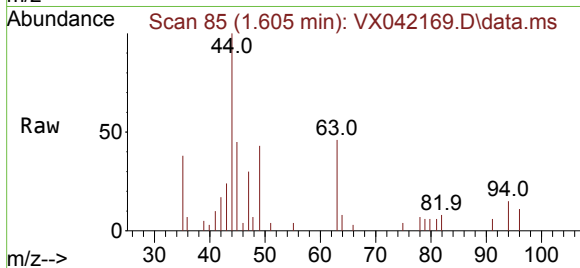




#5
Bromomethane
Concen: 0.771 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

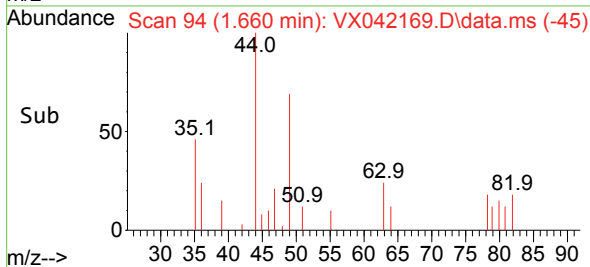
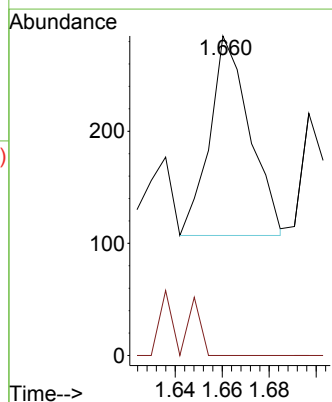
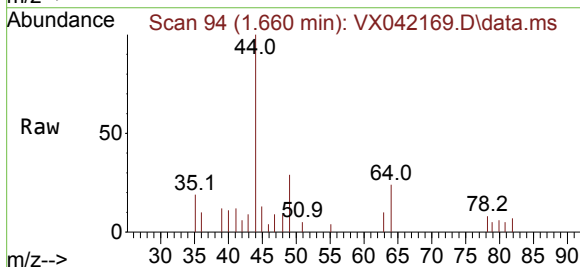
Instrument :
MSVOA_X
ClientSampleId :

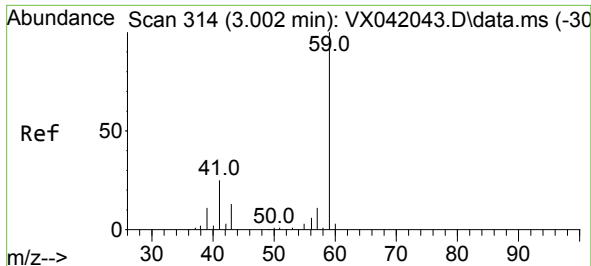
Tgt Ion: 94 Resp: 523
Ion Ratio Lower Upper
94 100
96 72.5 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Tgt Ion: 64 Resp: 211
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

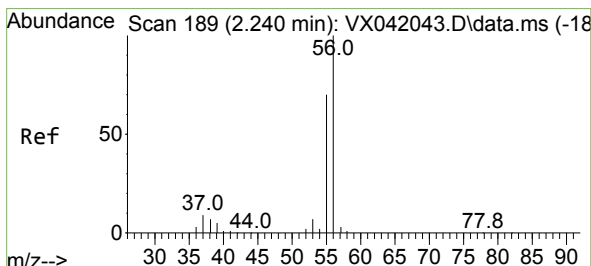
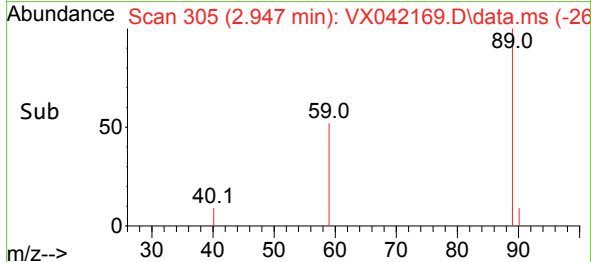
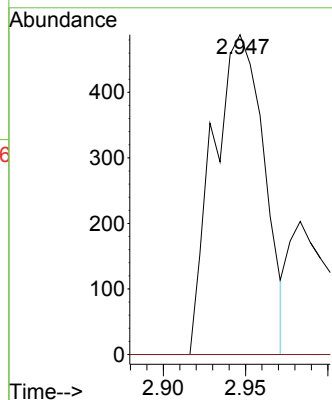
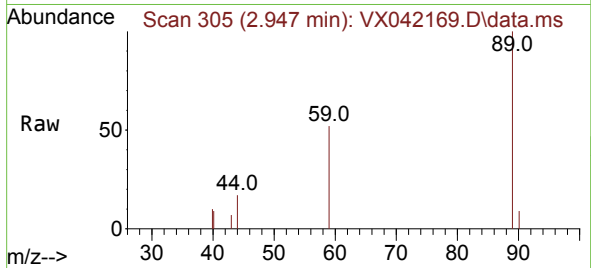




#11
Tert butyl alcohol
Concen: 3.354 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.061 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

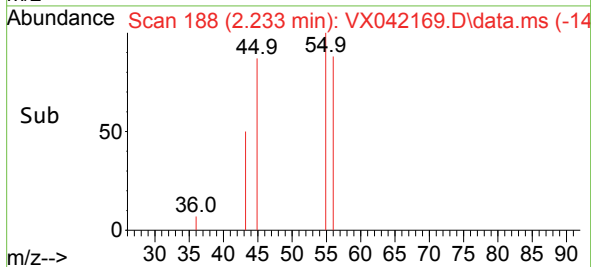
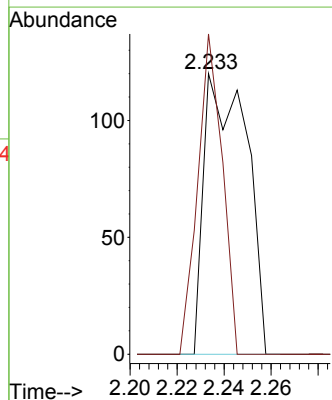
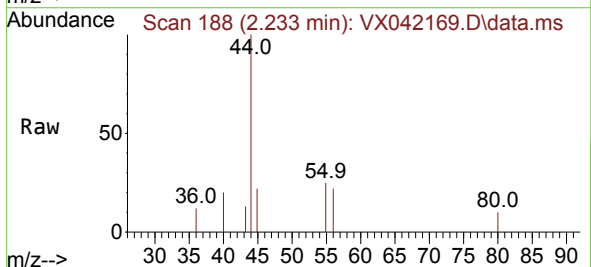
Instrument :
MSVOA_X
ClientSampleId :

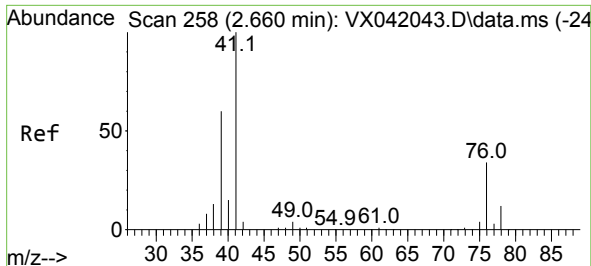
Tgt Ion: 59 Resp: 1052
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.429 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

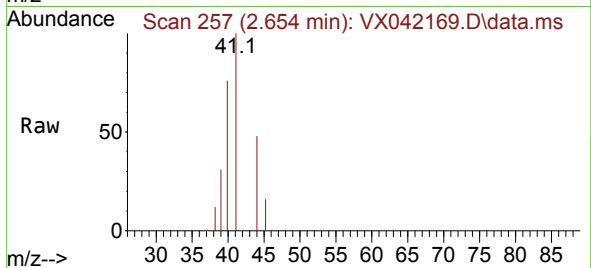
Tgt Ion: 56 Resp: 151
Ion Ratio Lower Upper
56 100
55 66.2 57.1 85.7



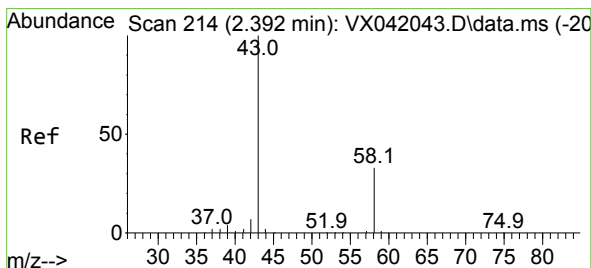
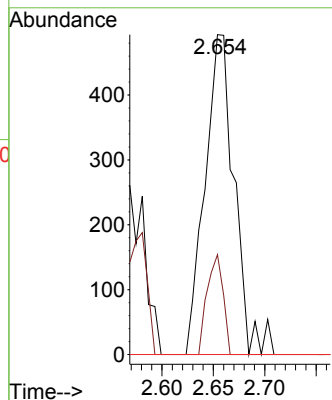


#14
 Allyl chloride
 Concen: 0.498 ug/l
 RT: 2.654 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX042169.D
 Acq: 03 Jul 2024 17:09

Instrument :
 MSVOA_X
 ClientSampleId :

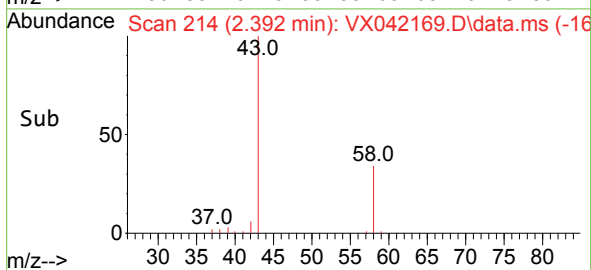
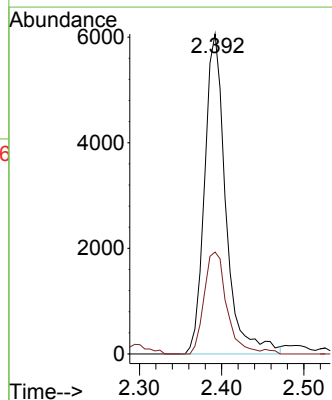
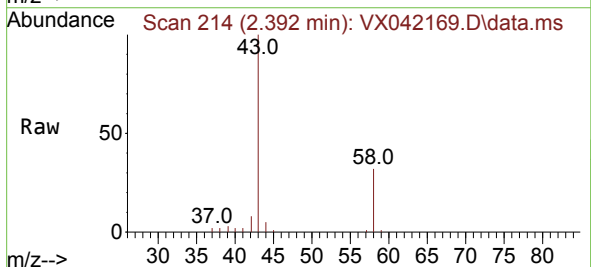


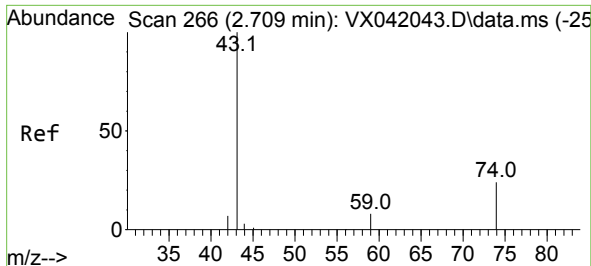
Tgt Ion: 41 Resp: 977
 Ion Ratio Lower Upper
 41 100
 39 17.0 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 14.965 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX042169.D
 Acq: 03 Jul 2024 17:09

Tgt Ion: 43 Resp: 10860
 Ion Ratio Lower Upper
 43 100
 58 31.9 21.9 32.9

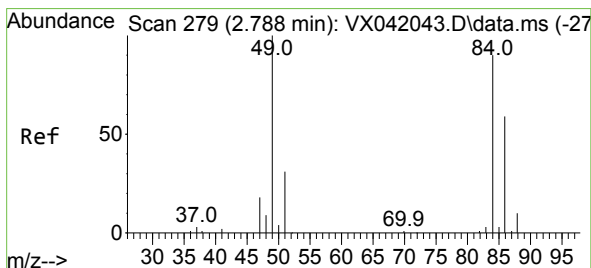
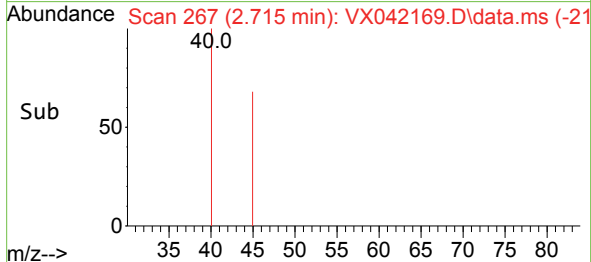
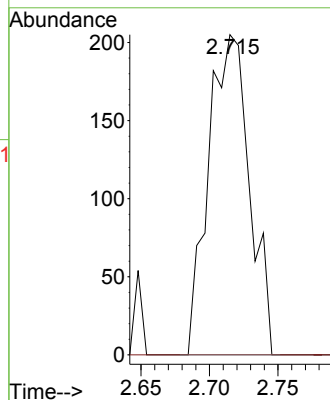
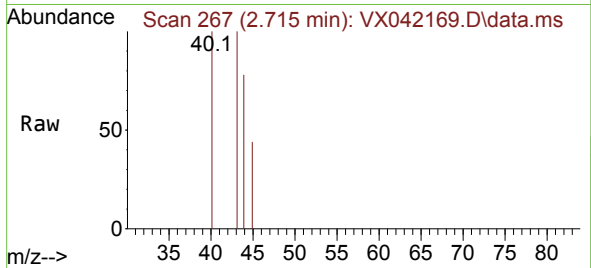




#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

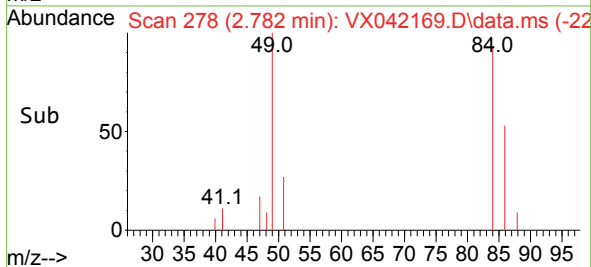
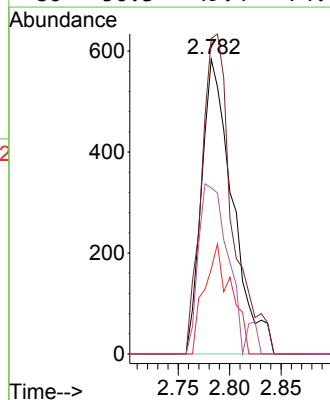
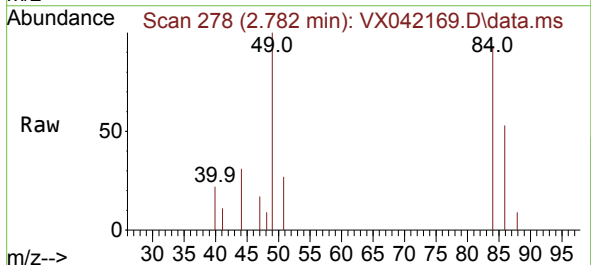
Instrument :
MSVOA_X
ClientSampleId :

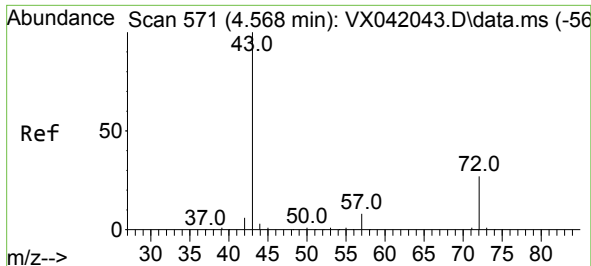
Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 0.773 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

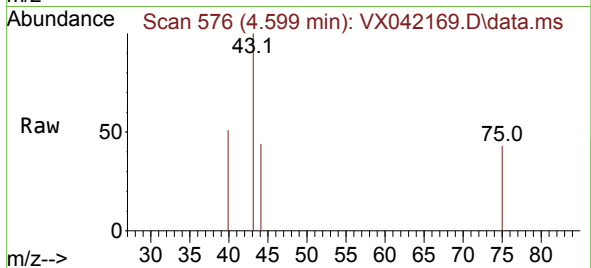
Tgt Ion: 84 Resp: 1229
Ion Ratio Lower Upper
84 100
49 107.0 103.6 155.4
51 28.8 33.8 50.6#
86 56.3 49.4 74.0



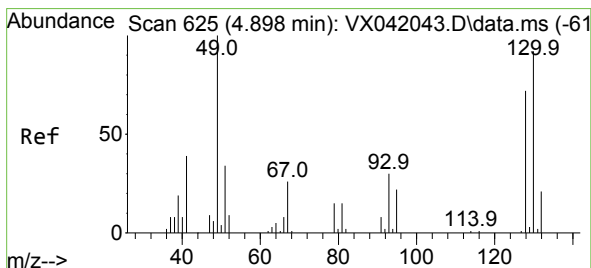
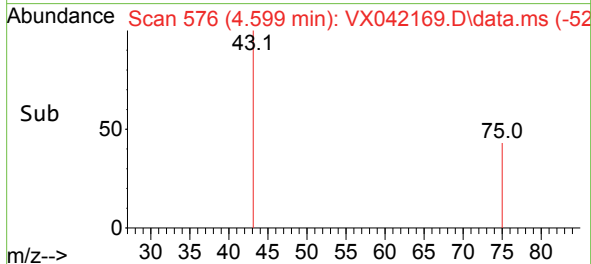
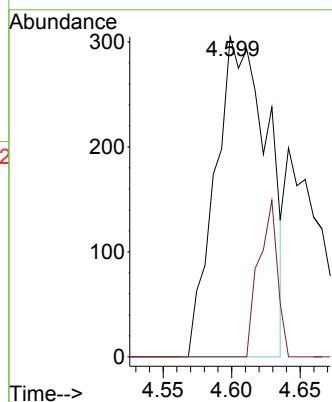


#25
2-Butanone
Concen: 0.716 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Instrument :
MSVOA_X
ClientSampleId :

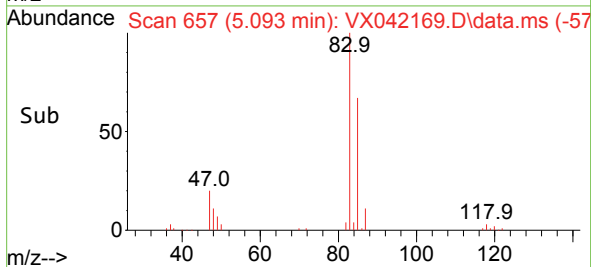
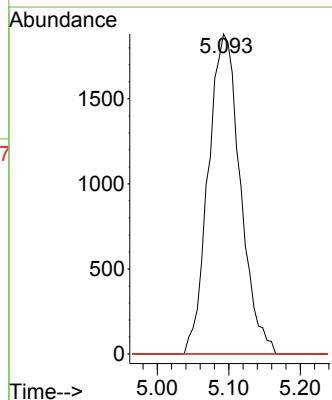
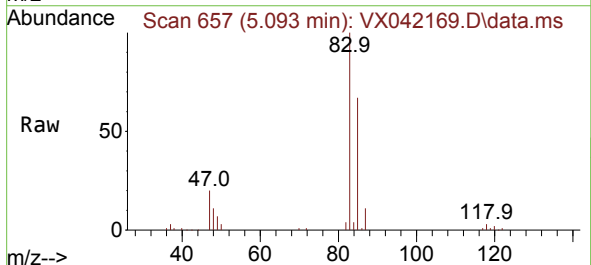


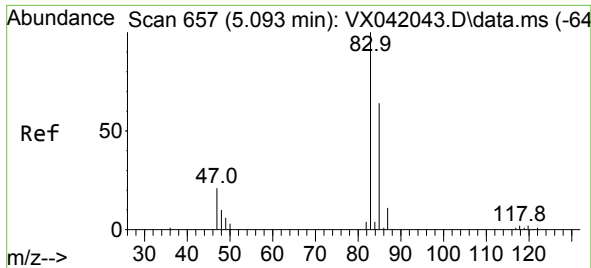
Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#28
Bromochloromethane
Concen: 5.888 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.189 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Tgt Ion: 49 Resp: 5852
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#

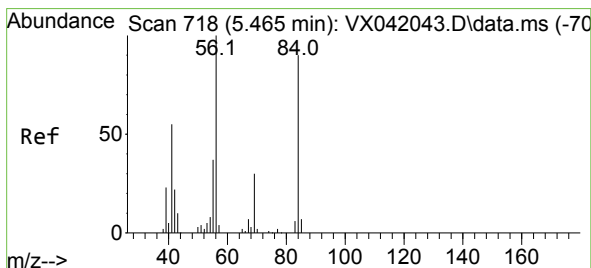
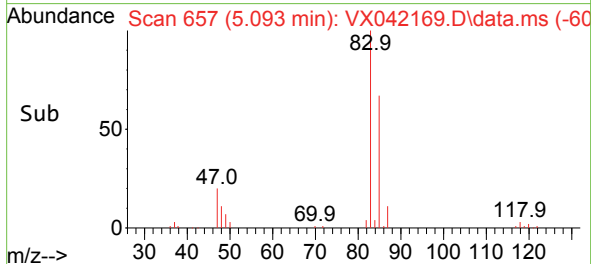
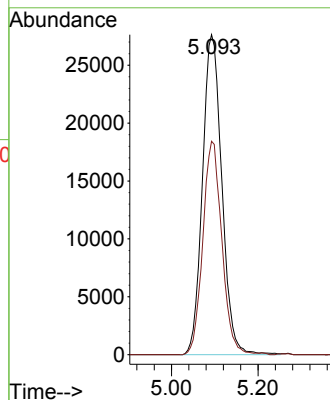
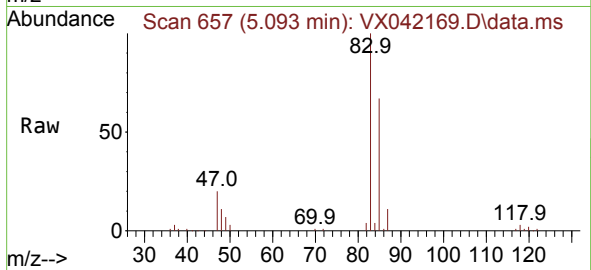




#30
Chloroform
Concen: 35.549 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

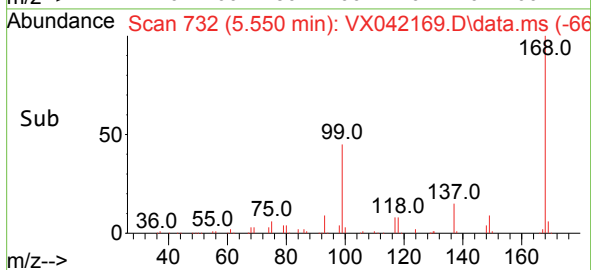
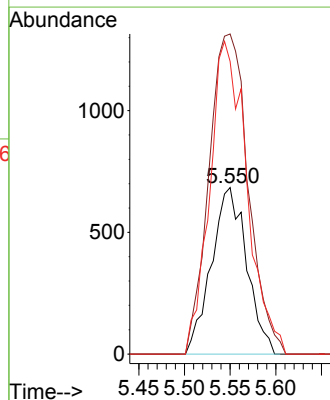
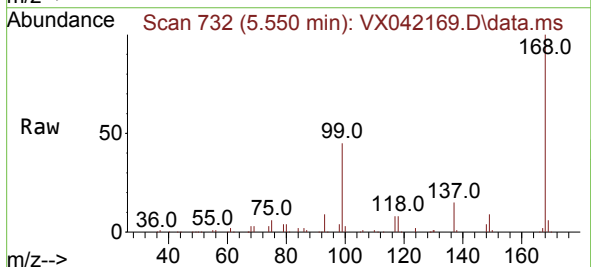
Instrument :
MSVOA_X
ClientSampleId :

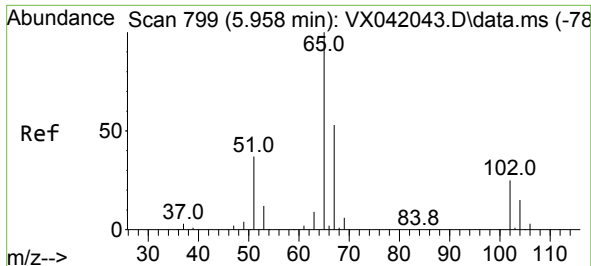
Tgt Ion: 83 Resp: 85947
Ion Ratio Lower Upper
83 100
85 66.7 50.3 75.5



#31
Cyclohexane
Concen: 0.949 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Tgt Ion: 56 Resp: 1835
Ion Ratio Lower Upper
56 100
69 192.3 23.4 35.2#
84 175.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.625 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX042169.D

Acq: 03 Jul 2024 17:09

Instrument :

MSVOA_X

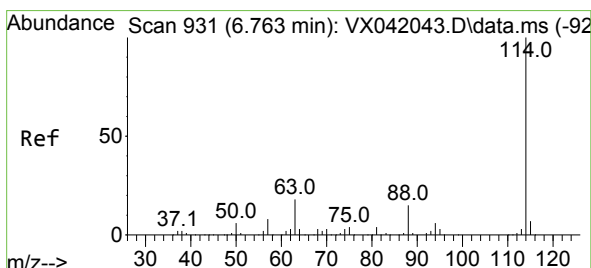
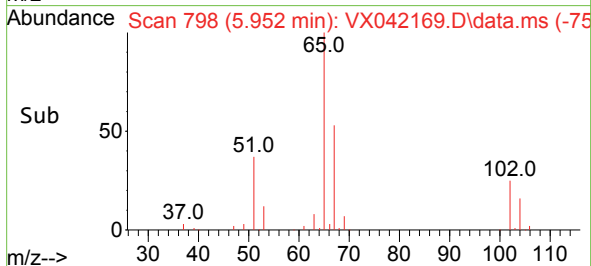
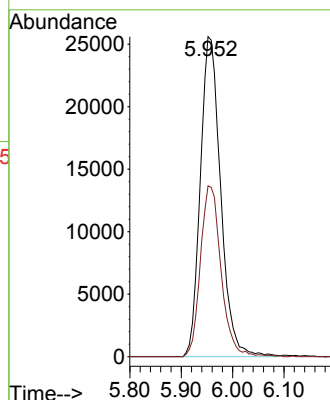
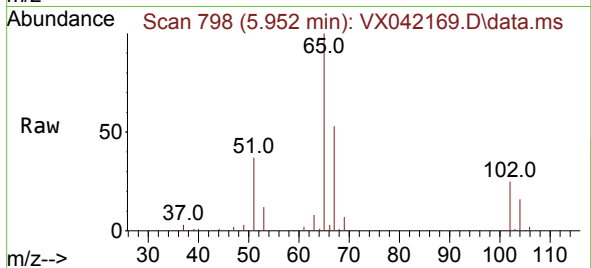
ClientSampleId :

Tgt Ion: 65 Resp: 70445

Ion Ratio Lower Upper

65 100

67 54.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX042169.D

Acq: 03 Jul 2024 17:09

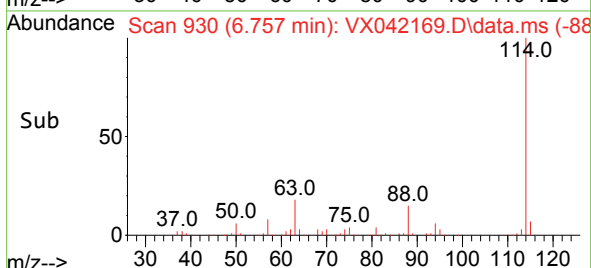
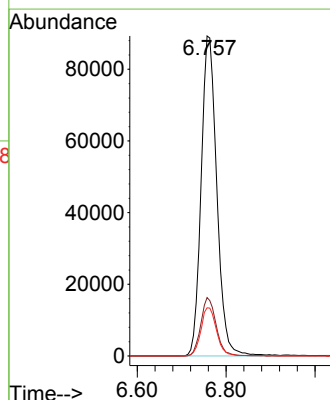
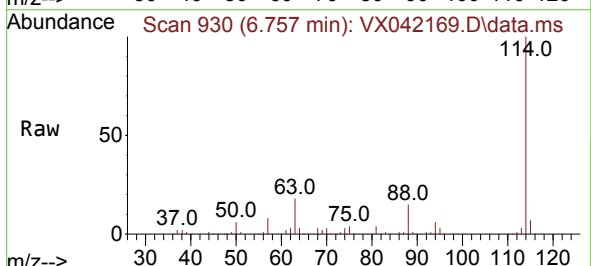
Tgt Ion: 114 Resp: 219795

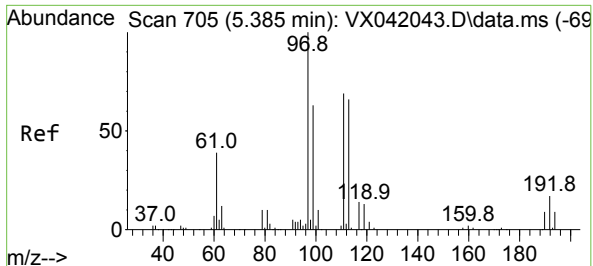
Ion Ratio Lower Upper

114 100

63 18.2 0.0 45.0

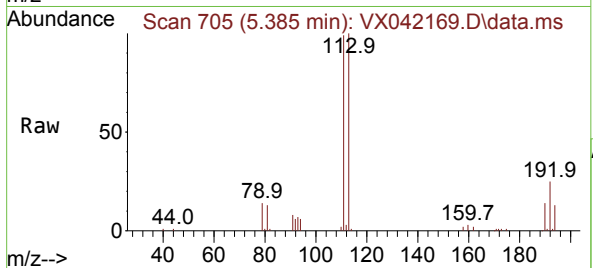
88 15.1 0.0 36.6



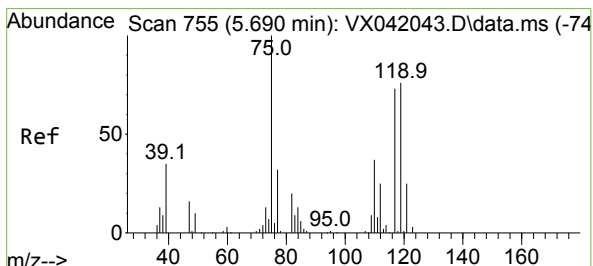
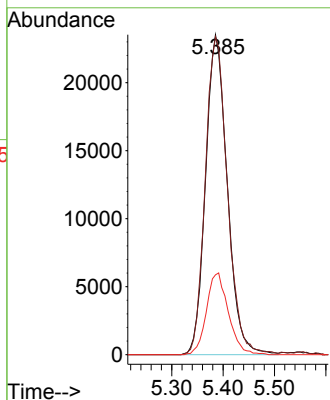
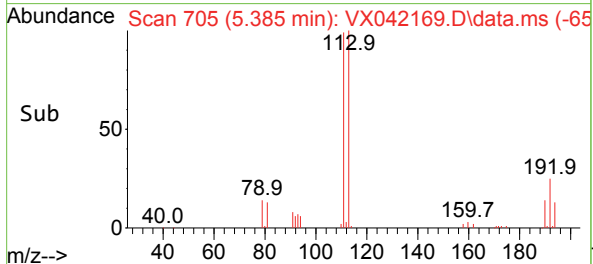


#35
Dibromofluoromethane
Concen: 44.286 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Instrument :
MSVOA_X
ClientSampleId :

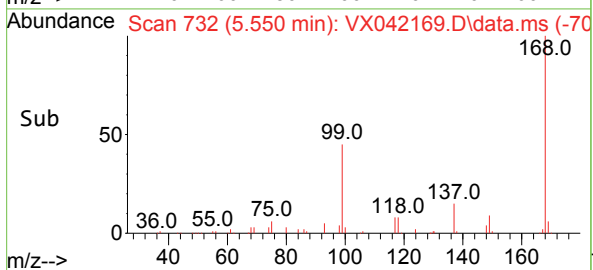
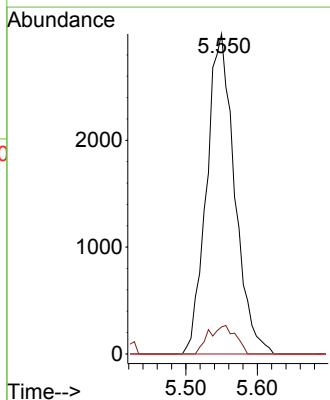
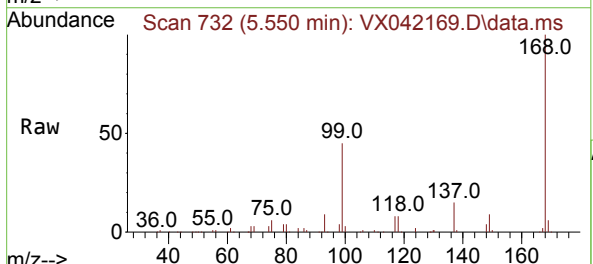


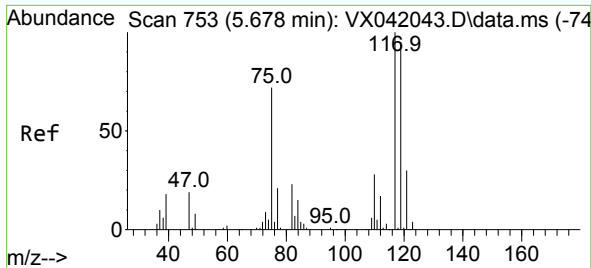
Tgt Ion:113 Resp: 69066
Ion Ratio Lower Upper
113 100
111 101.1 82.9 124.3
192 25.7 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.924 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

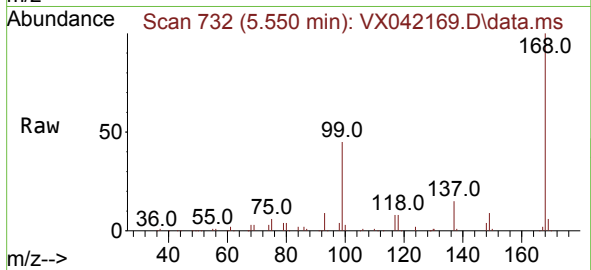
Tgt Ion: 75 Resp: 8155
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#



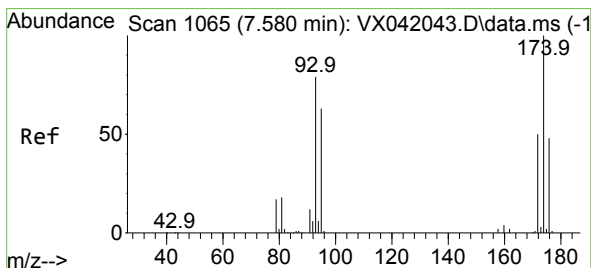
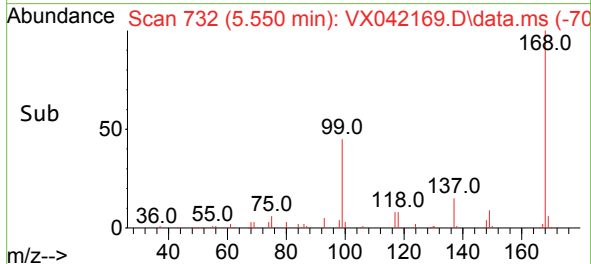
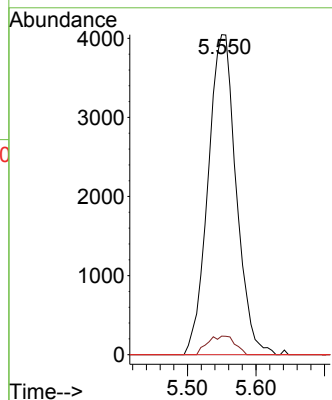


#38
Carbon Tetrachloride
Concen: 6.315 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Instrument :
MSVOA_X
ClientSampleId :

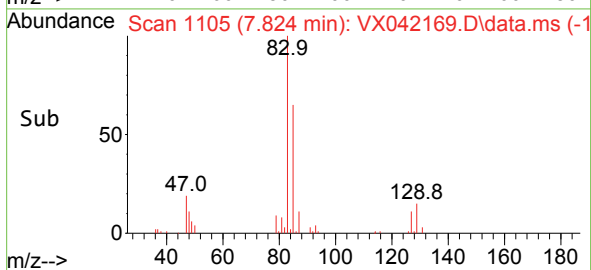
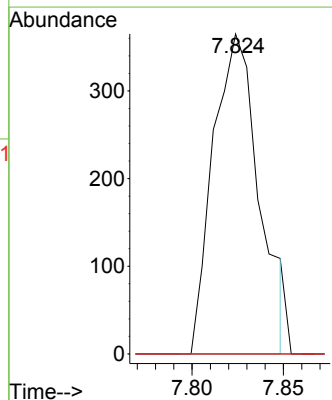
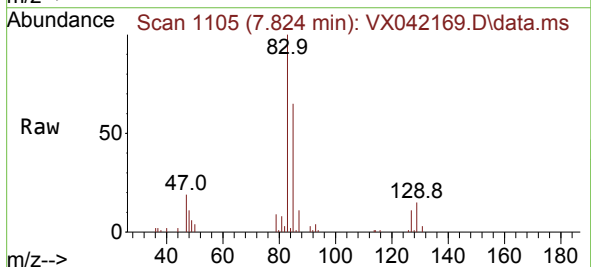


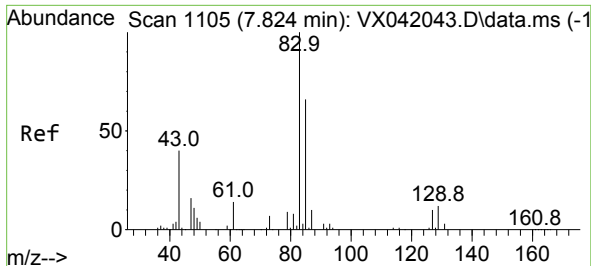
Tgt Ion:117 Resp: 11555
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#



#46
Dibromomethane
Concen: 0.639 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.244 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Tgt Ion: 93 Resp: 639
Ion Ratio Lower Upper
93 100
95 0.0 66.6 100.0#
174 0.0 69.4 104.0#

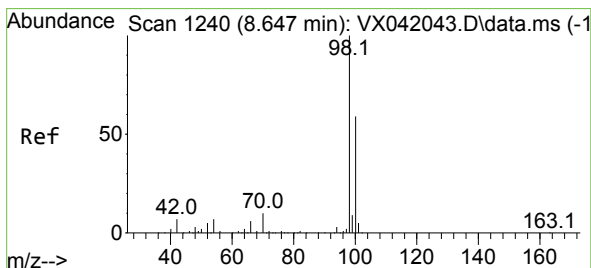
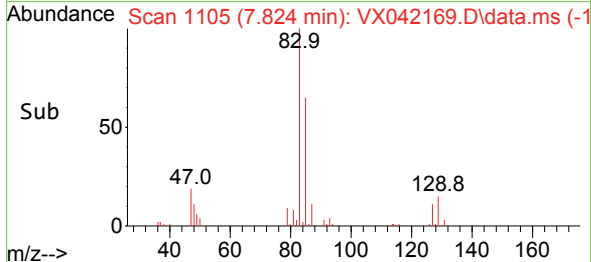
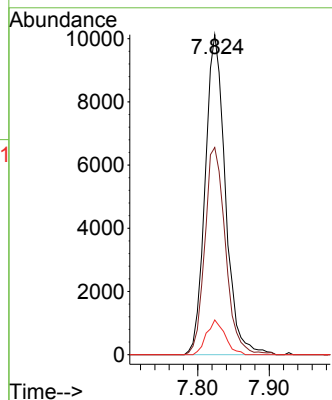
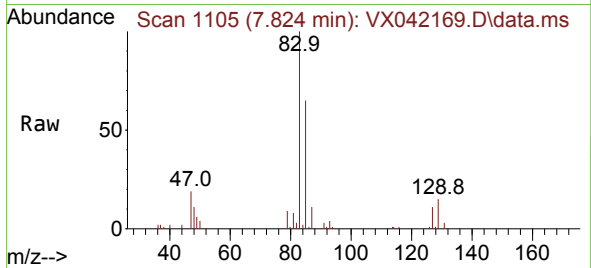




#47
Bromodichloromethane
Concen: 10.814 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

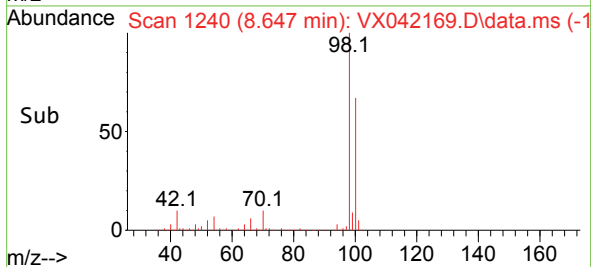
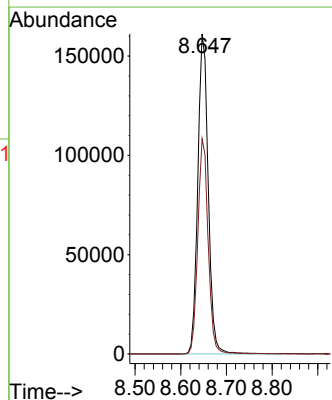
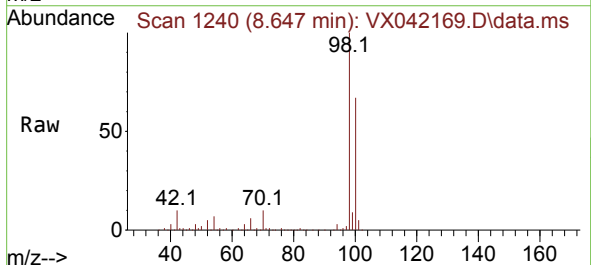
Instrument :
MSVOA_X
ClientSampleId :

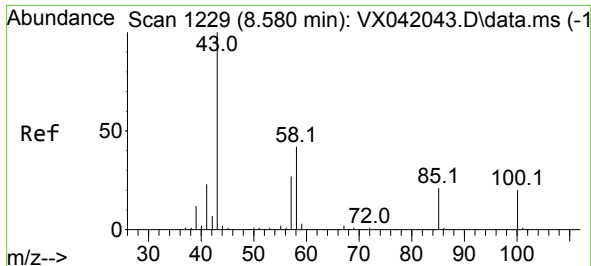
Tgt Ion: 83 Resp: 19867
Ion Ratio Lower Upper
83 100
85 64.8 49.8 74.6
127 10.8 7.1 10.7#



#50
Toluene-d8
Concen: 46.674 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Tgt Ion: 98 Resp: 255717
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

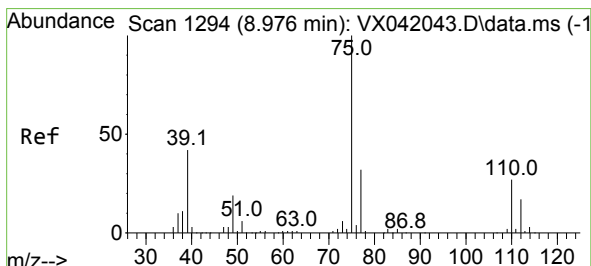
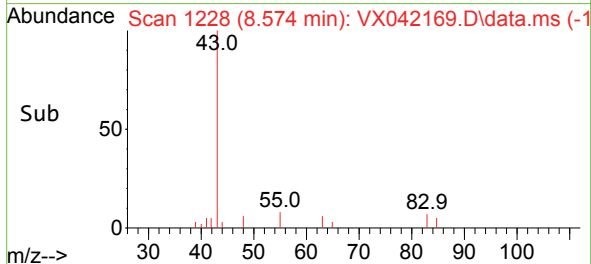
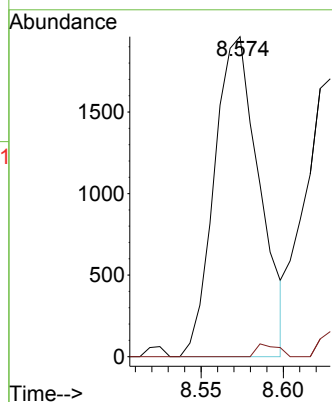
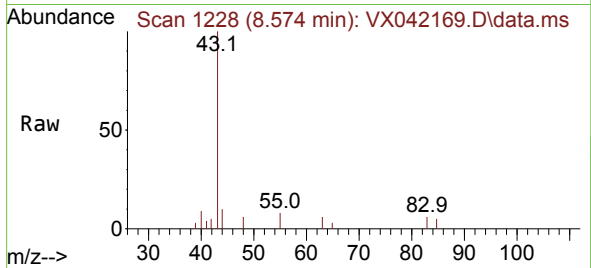




#51
4-Methyl-2-Pentanone
Concen: 1.637 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

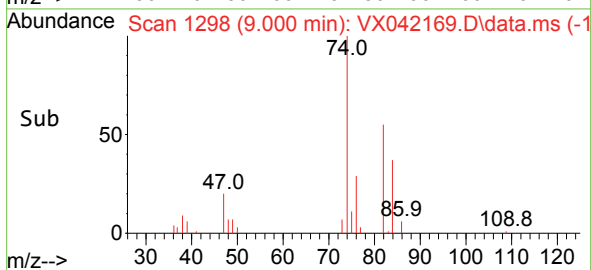
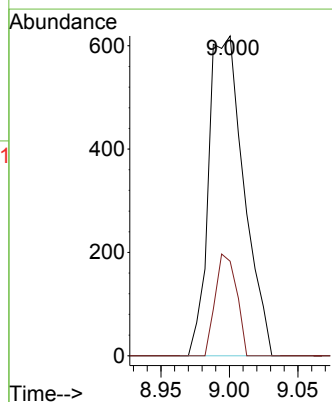
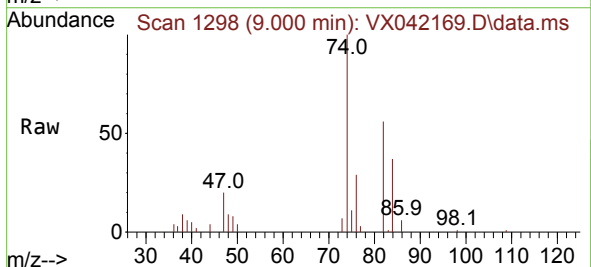
Instrument :
MSVOA_X
ClientSampleId :

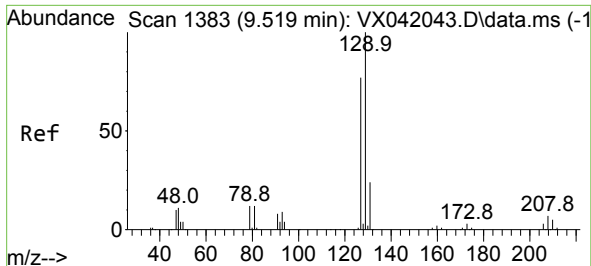
Tgt Ion: 43 Resp: 3734
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.463 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. 0.018 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Tgt Ion: 75 Resp: 1103
Ion Ratio Lower Upper
75 100
77 29.6 25.7 38.5

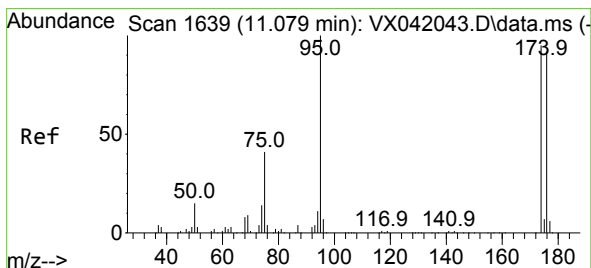
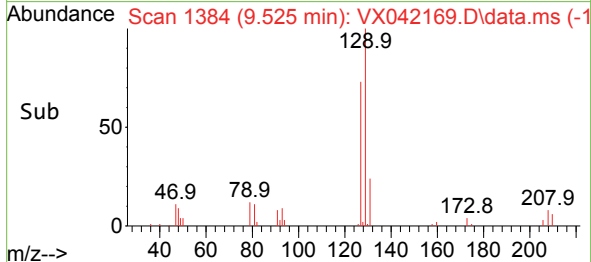
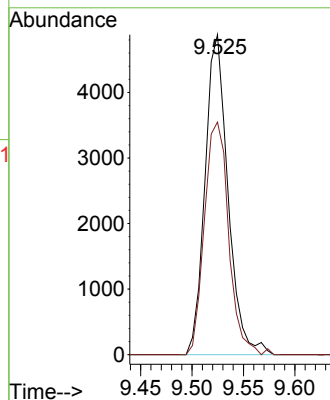
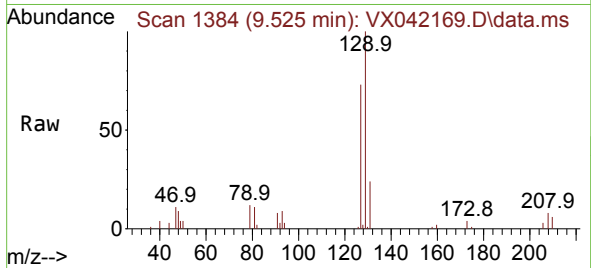




#60
Dibromochloromethane
Concen: 4.710 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

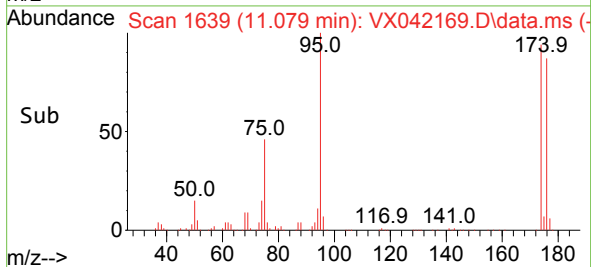
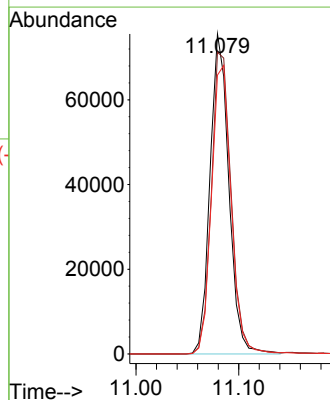
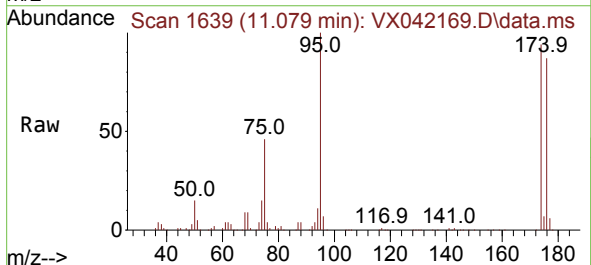
Instrument :
MSVOA_X
ClientSampleId :

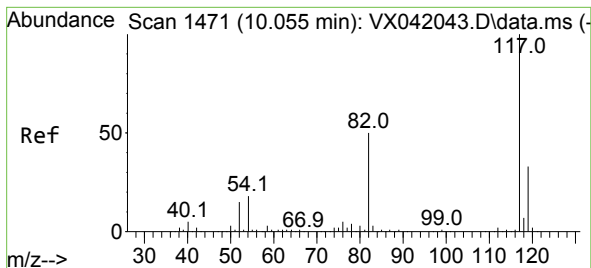
Tgt Ion:129 Resp: 7580
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.4



#62
4-Bromofluorobenzene
Concen: 47.581 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Tgt Ion: 95 Resp: 96095
Ion Ratio Lower Upper
95 100
174 99.6 0.0 135.6
176 94.7 0.0 131.0

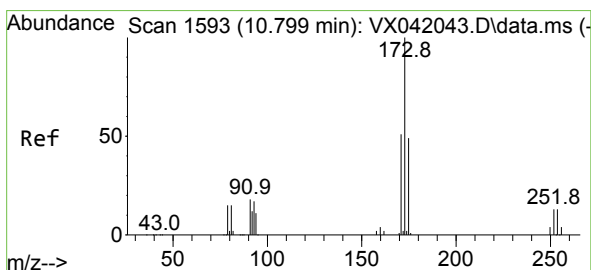
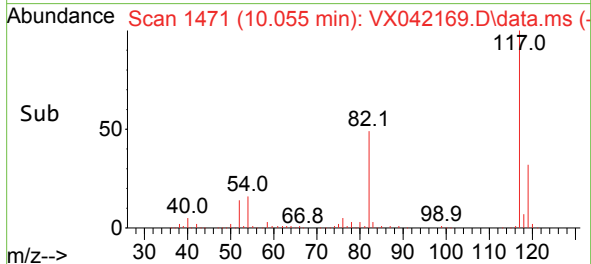
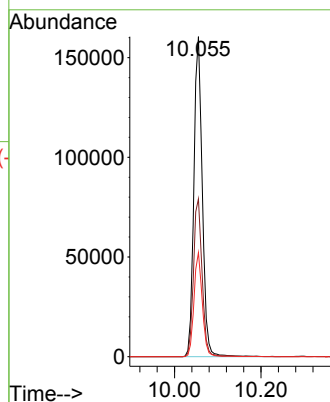
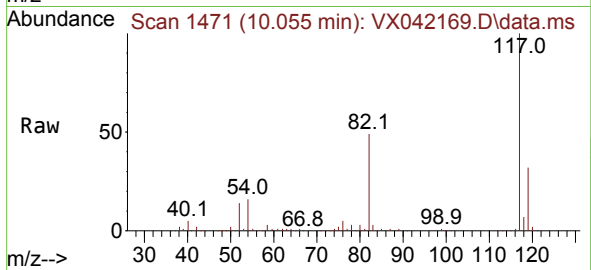




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

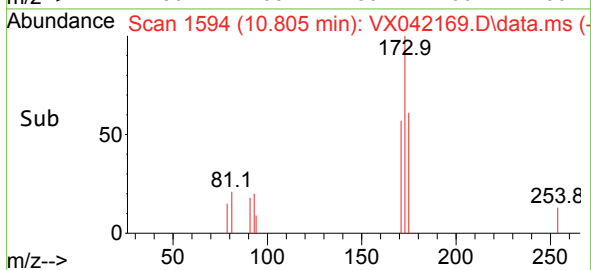
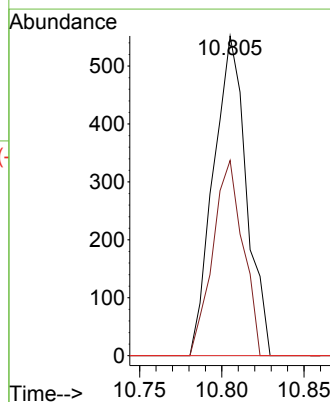
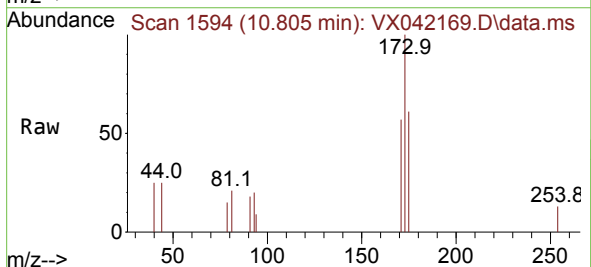
Instrument :
MSVOA_X
ClientSampleId :

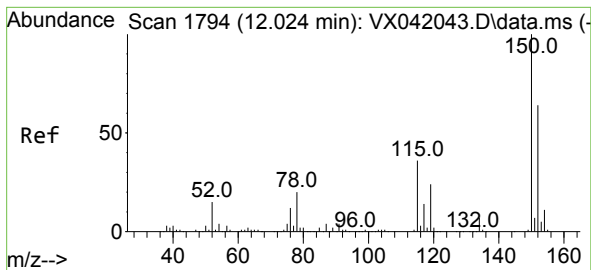
Tgt Ion:117 Resp: 216580
Ion Ratio Lower Upper
117 100
82 49.3 46.2 69.4
119 32.5 25.5 38.3



#71
Bromoform
Concen: 1.394 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

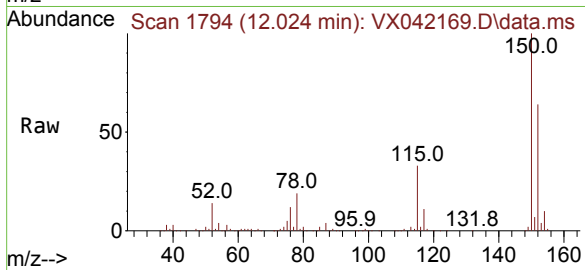
Tgt Ion:173 Resp: 770
Ion Ratio Lower Upper
173 100
175 56.1 24.1 72.4
254 0.0 0.0 0.0



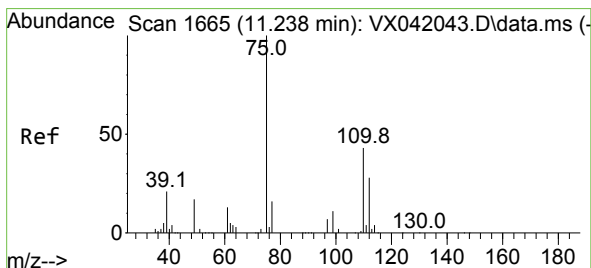
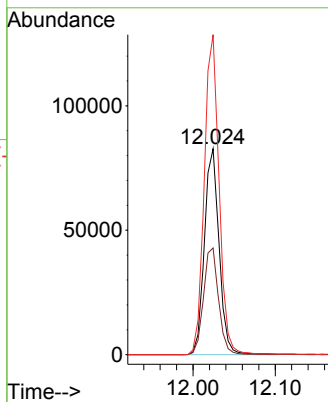
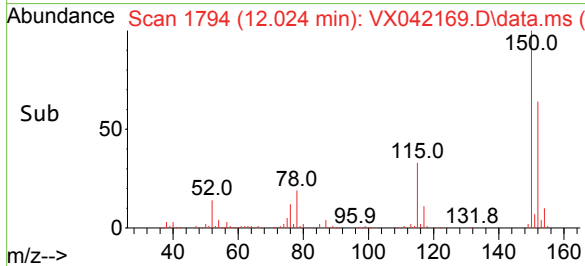


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Instrument :
MSVOA_X
ClientSampleId :

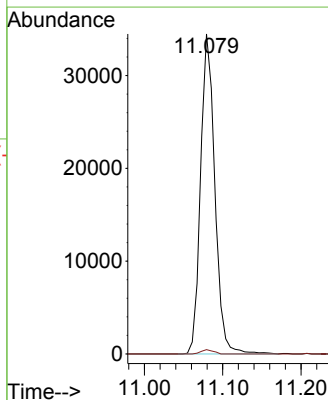
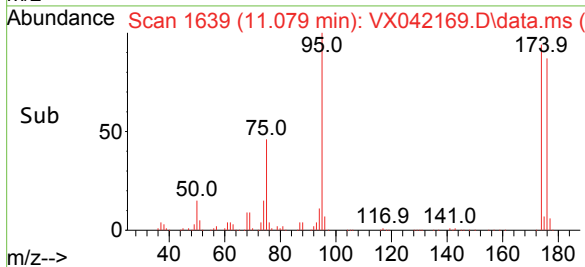
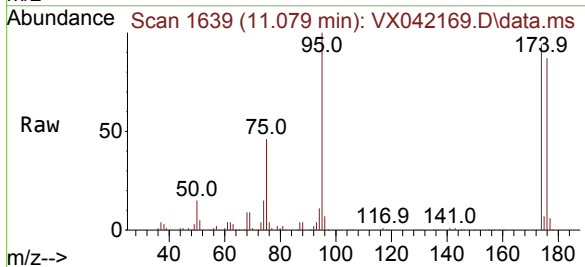


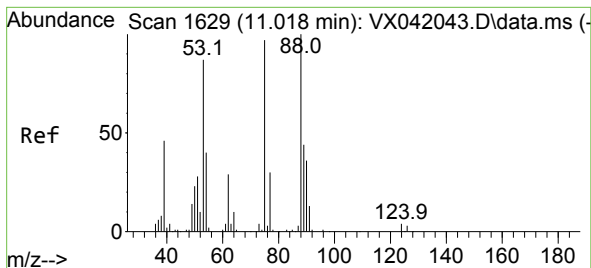
Tgt Ion:152 Resp: 102830
Ion Ratio Lower Upper
152 100
115 53.2 43.3 129.9
150 156.7 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 23.411 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Tgt Ion: 75 Resp: 43703
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

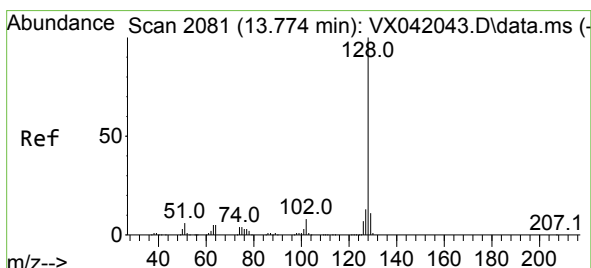
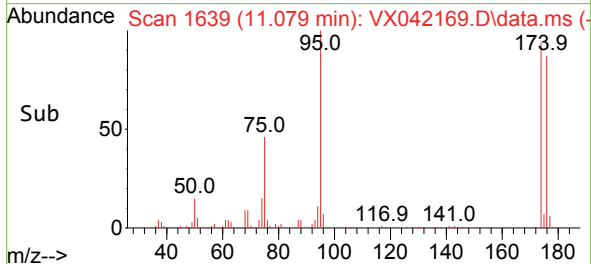
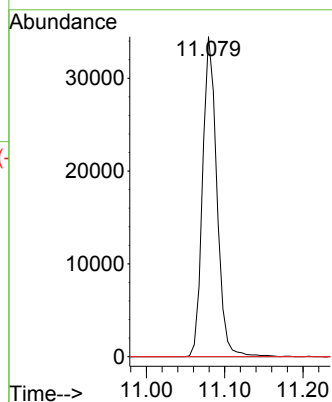
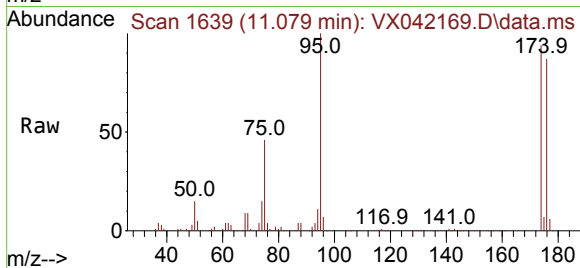




#81
trans-1,4-Dichloro-2-butene
Concen: 66.485 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 43703
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.860 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042169.D
Acq: 03 Jul 2024 17:09

Tgt Ion:128 Resp: 837
Ion Ratio Lower Upper
128 100
127 10.3 10.3 15.5#
129 2.2 8.8 13.2#

