

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062624\
 Data File : VX042061.D
 Acq On : 26 Jun 2024 18:22
 Operator : JC/MD
 Sample : P3073-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 08:57:00 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)

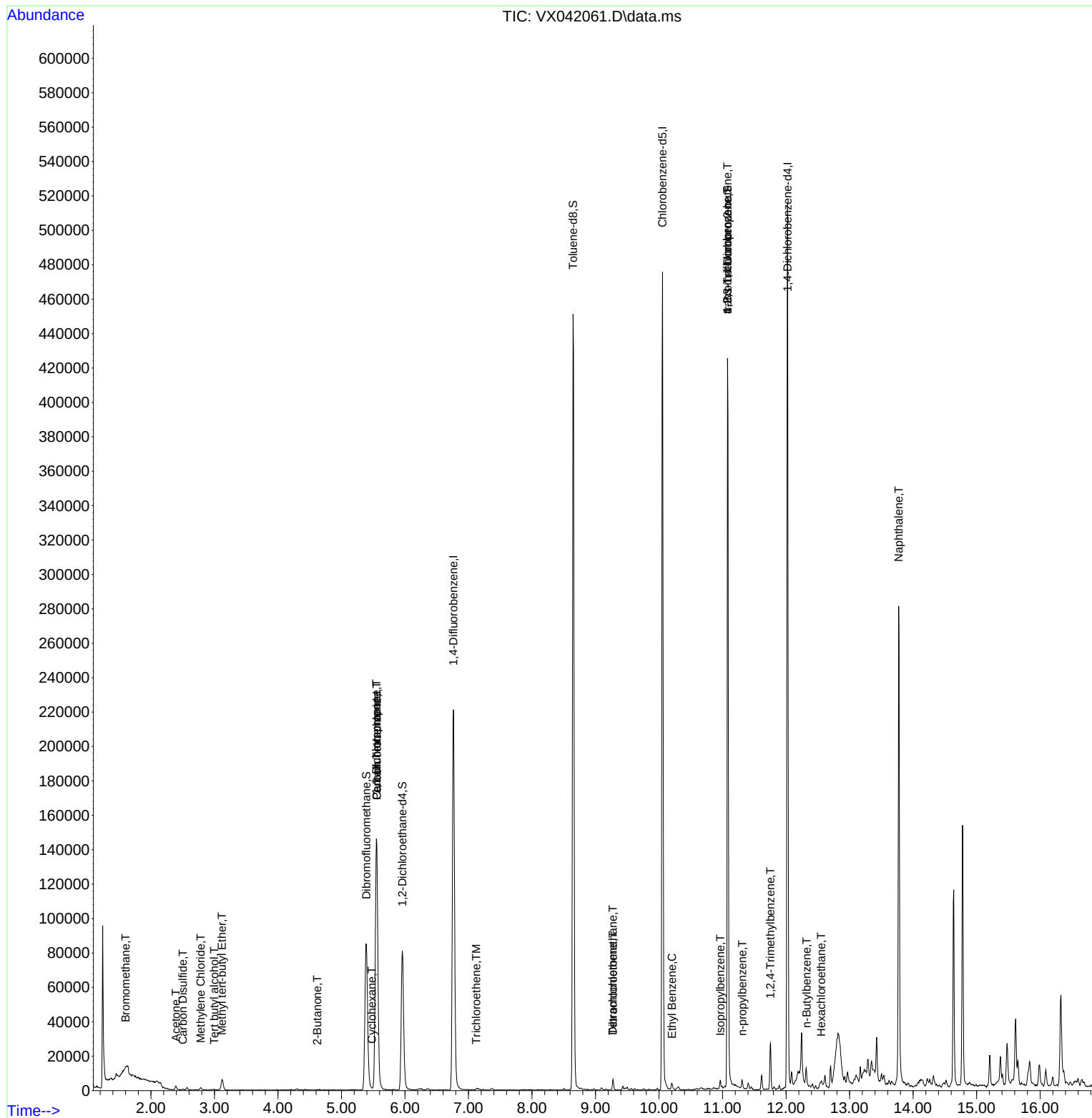
Internal Standards						
1) Pentafluorobenzene	5.556	168	165890	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	250099	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77582	40.557	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	81.120%
35) Dibromofluoromethane	5.391	113	76811	43.284	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.560%
50) Toluene-d8	8.647	98	286309	45.925	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.860%#
62) 4-Bromofluorobenzene	11.079	95	112172	48.811	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.620%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	319	0.406	ug/l	# 46
6) Chloroethane	1.654	64	1886	Below Cal		# 45
11) Tert butyl alcohol	2.995	59	762	2.099	ug/l	# 78
16) Acetone	2.392	43	2580	3.072	ug/l	# 86
17) Carbon Disulfide	2.502	76	681	0.233	ug/l	# 76
19) Methyl tert-butyl Ether	3.117	73	7116	1.505	ug/l	# 98
20) Methylene Chloride	2.782	84	590	0.321	ug/l	# 87
25) 2-Butanone	4.617	43	310	0.237	ug/l	# 51
31) Cyclohexane	5.477	56	583	0.261	ug/l	# 80
36) 1,1-Dichloropropene	5.550	75	9171	4.867	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	13743	6.601	ug/l	# 14
44) Trichloroethene	7.123	130	476	0.279	ug/l	# 92
60) Dibromochloromethane	9.275	129	1262	0.689	ug/l	# 11
64) Tetrachloroethene	9.275	164	1441	0.823	ug/l	# 80
67) Ethyl Benzene	10.201	91	2518	0.321	ug/l	# 93
73) Isopropylbenzene	10.963	105	2877	0.378	ug/l	# 95
76) 1,2,3-Trichloropropane	11.079	75	49219	21.631	ug/l	# 39
78) n-propylbenzene	11.311	91	3327	0.402	ug/l	# 99
81) trans-1,4-Dichloro-2-b...	11.079	75	49219	61.430	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	13505	2.121	ug/l	# 94
89) n-Butylbenzene	12.323	91	1455	0.275	ug/l	# 13
90) Hexachloroethane	12.555	117	548	0.468	ug/l	# 17
95) Naphthalene	13.774	128	194317	22.048	ug/l	# 99

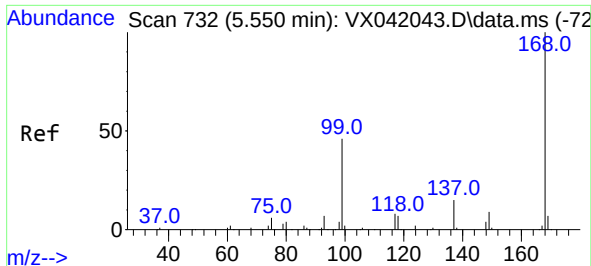
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Jun 27 08:57:00 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

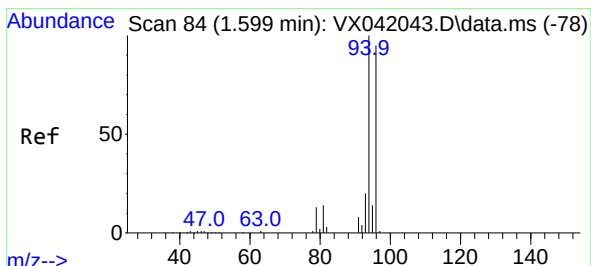
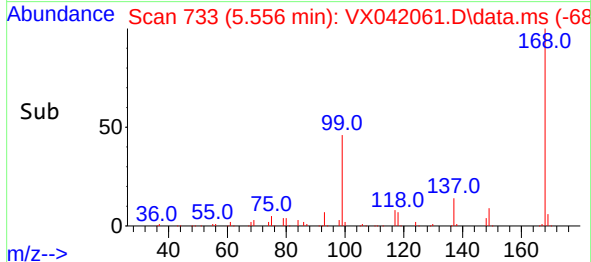
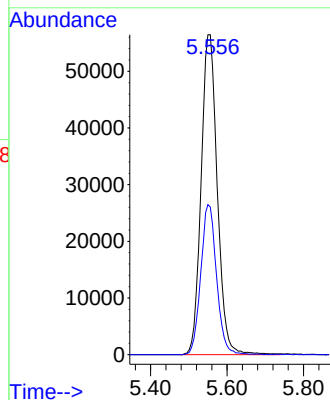
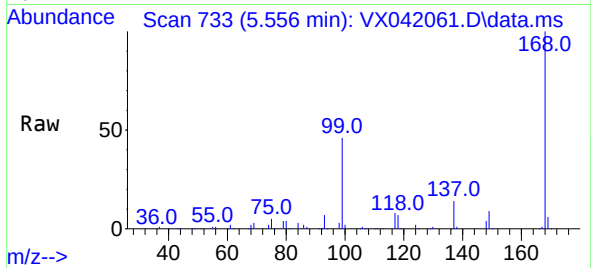




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

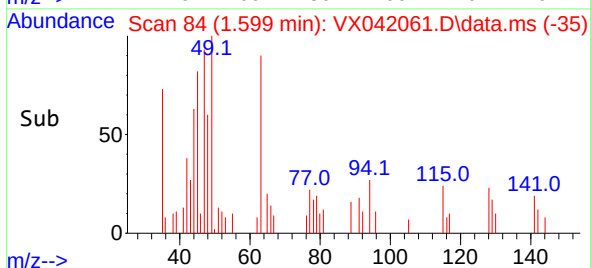
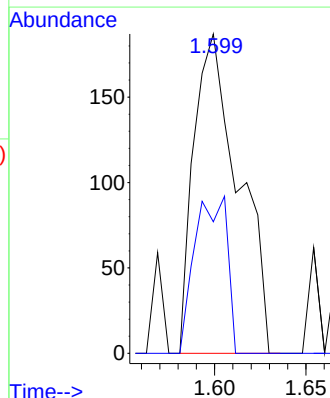
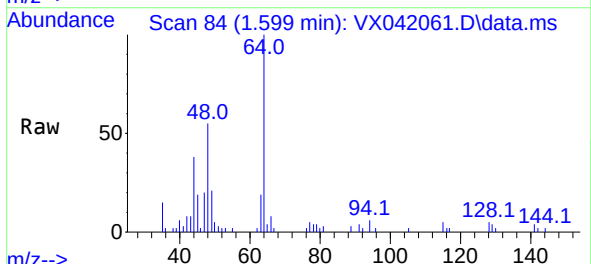
Instrument :
MSVOA_X
ClientSampleId :

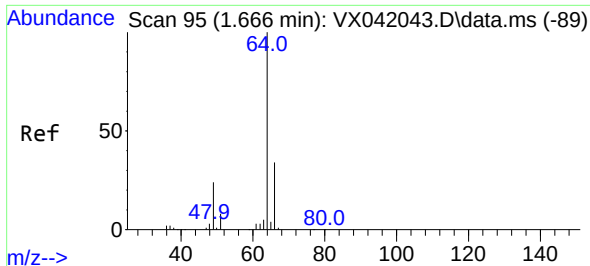
Tgt Ion:168 Resp: 165890
Ion Ratio Lower Upper
168 100
99 46.1 56.6 85.0#



#5
Bromomethane
Concen: 0.406 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 41.2 74.6 111.8#

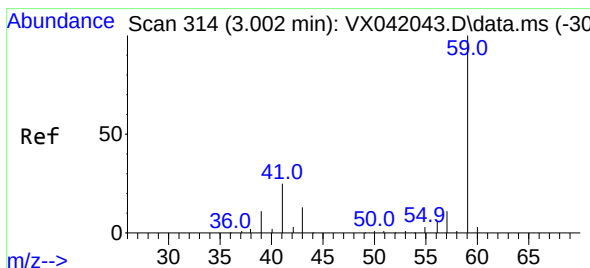
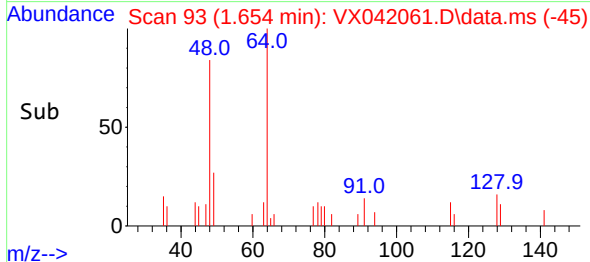
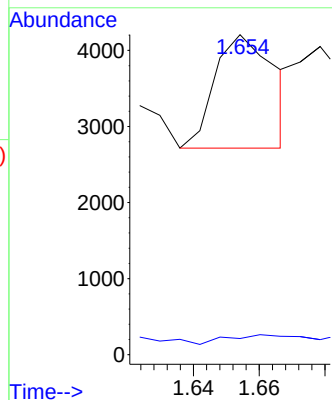
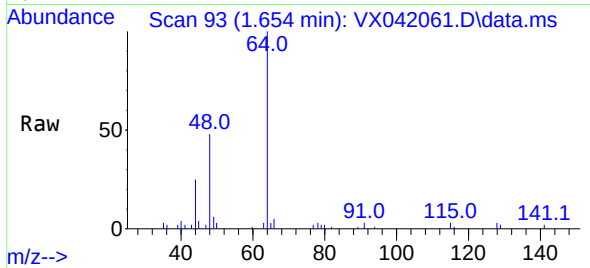




#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

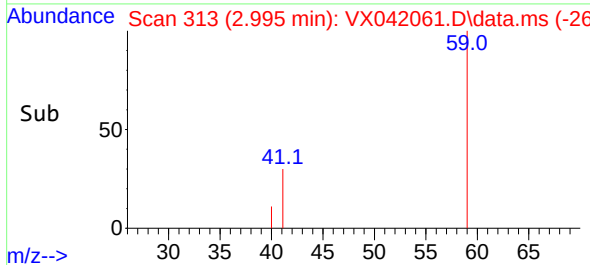
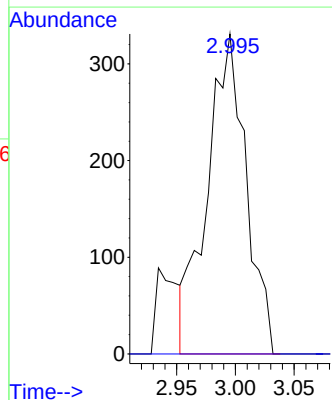
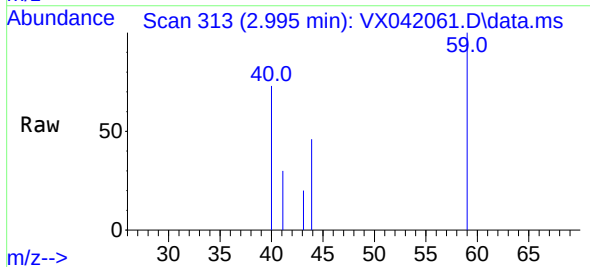
Instrument :
MSVOA_X
ClientSampleId :

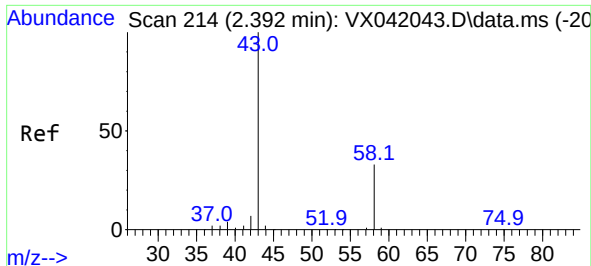
Tgt Ion: 64 Resp: 1886
Ion Ratio Lower Upper
64 100
66 0.7 25.1 37.7#



#11
Tert butyl alcohol
Concen: 2.099 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.012 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Tgt Ion: 59 Resp: 762
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

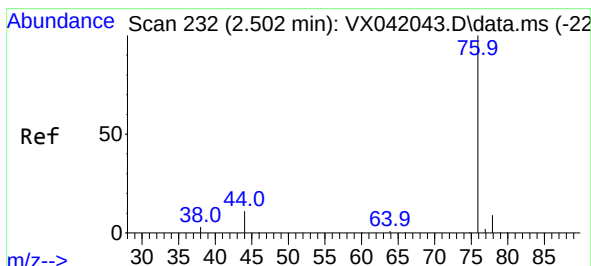
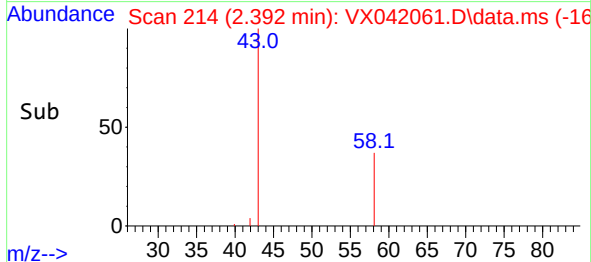
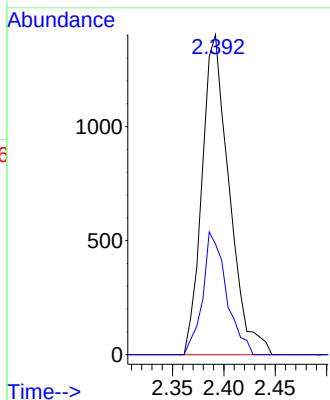
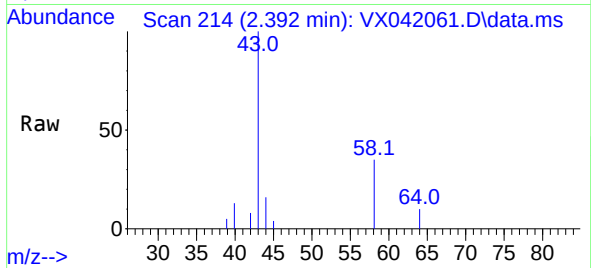




#16
Acetone
Concen: 3.072 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

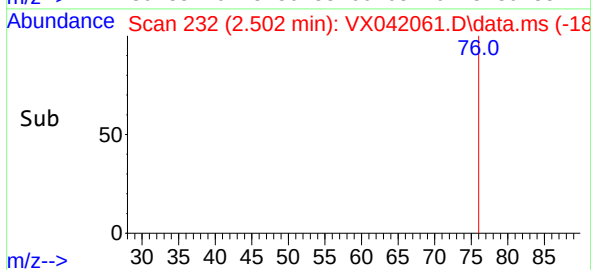
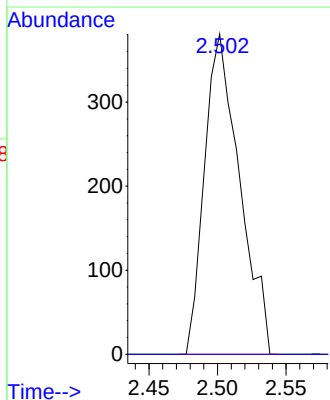
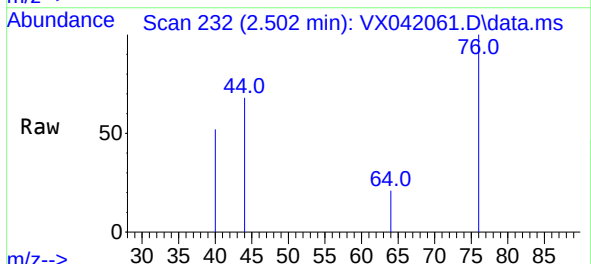
Instrument :
MSVOA_X
ClientSampleId :

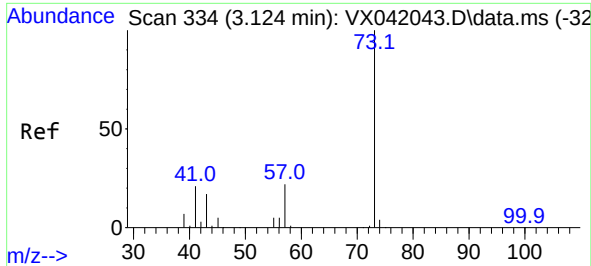
Tgt Ion: 43 Resp: 2580
Ion Ratio Lower Upper
43 100
58 34.6 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.233 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Tgt Ion: 76 Resp: 681
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

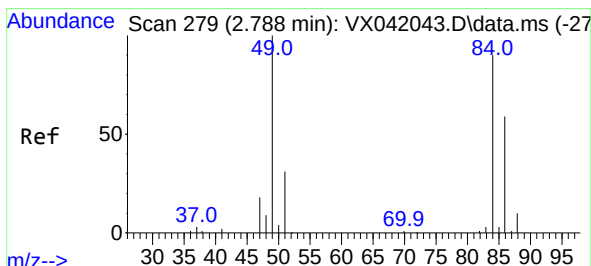
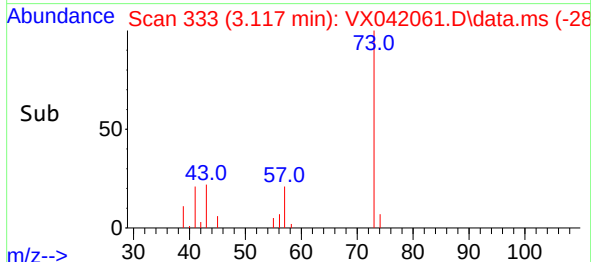
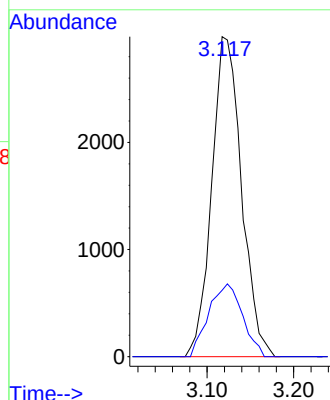
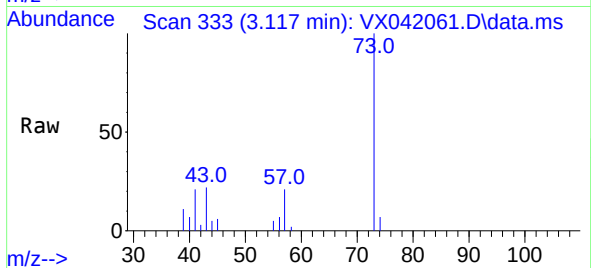




#19
Methyl tert-butyl Ether
Concen: 1.505 ug/l
RT: 3.117 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

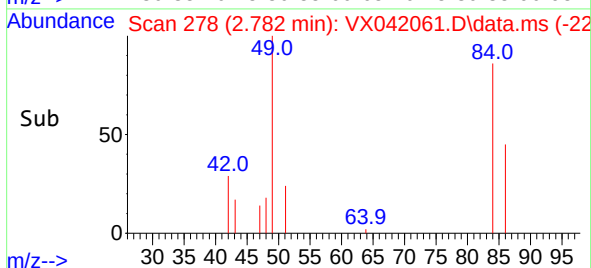
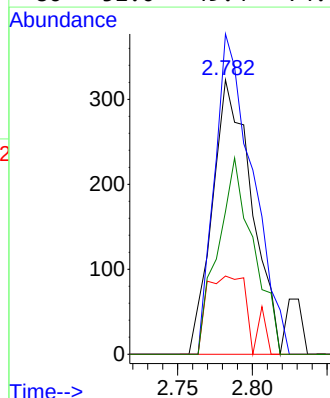
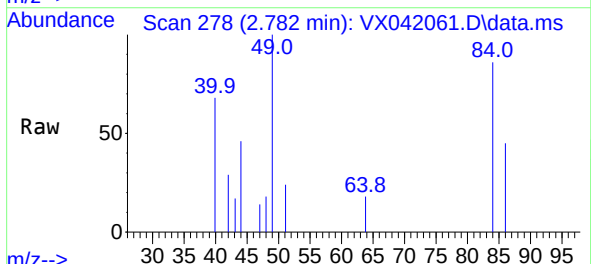
Instrument :
MSVOA_X
ClientSampleId :

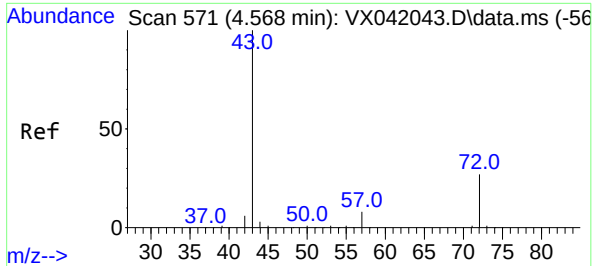
Tgt Ion: 73 Resp: 7116
Ion Ratio Lower Upper
73 100
57 20.8 17.3 25.9



#20
Methylene Chloride
Concen: 0.321 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Tgt Ion: 84 Resp: 590
Ion Ratio Lower Upper
84 100
49 116.7 103.6 155.4
51 28.5 33.8 50.6#
86 52.0 49.4 74.0

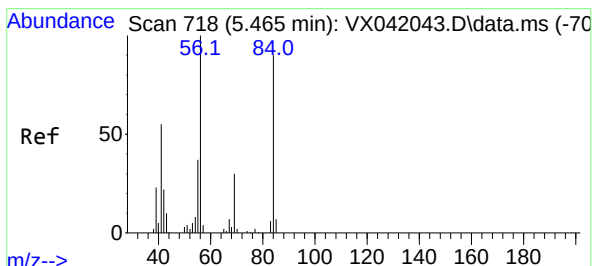
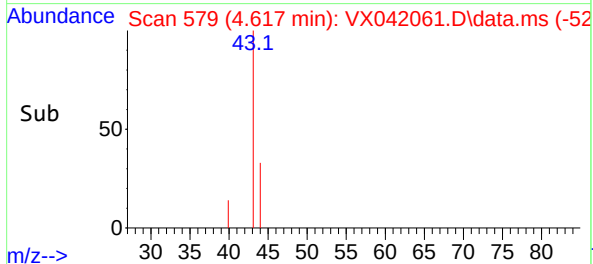
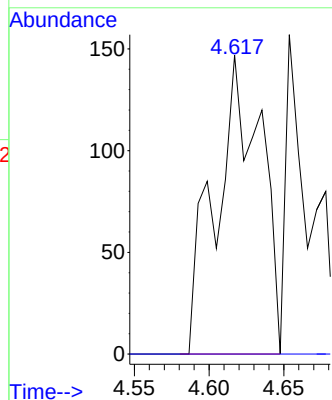
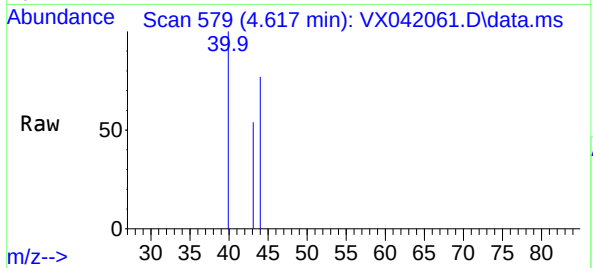




#25
2-Butanone
Concen: 0.237 ug/l
RT: 4.617 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

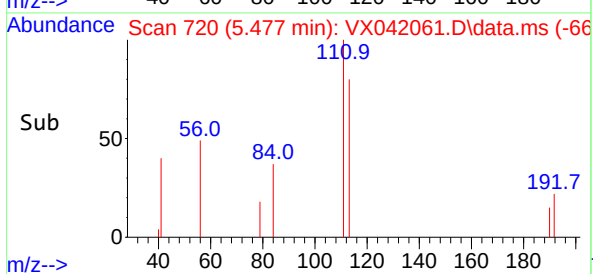
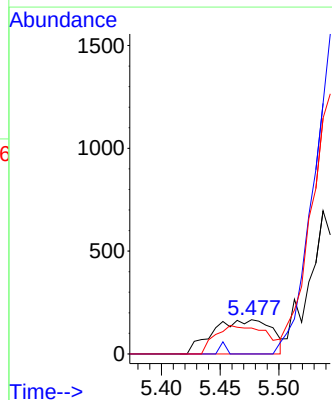
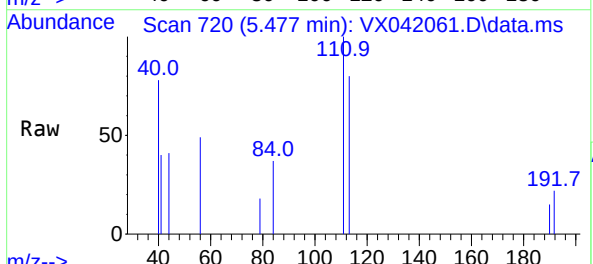
Instrument :
MSVOA_X
ClientSampleId :

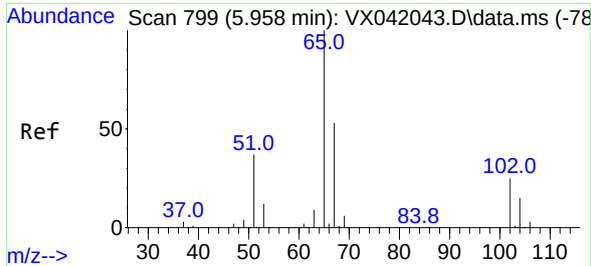
Tgt Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 0.261 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.012 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Tgt Ion: 56 Resp: 583
Ion Ratio Lower Upper
56 100
69 0.0 23.4 35.2#
84 75.9 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 40.557 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042061.D

Acq: 26 Jun 2024 18:22

Instrument :

MSVOA_X

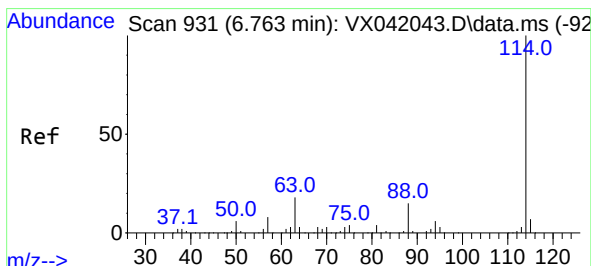
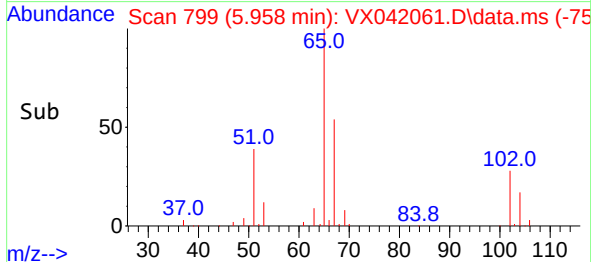
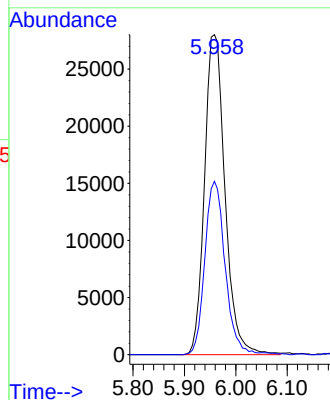
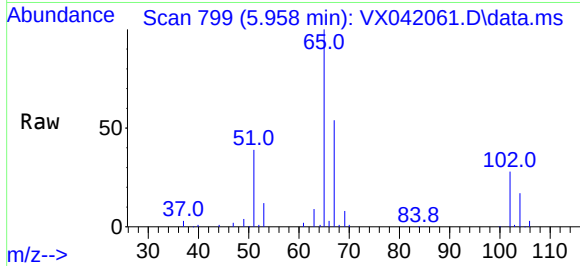
ClientSampleId :

Tgt Ion: 65 Resp: 77582

Ion Ratio Lower Upper

65 100

67 53.8 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: VX042061.D

Acq: 26 Jun 2024 18:22

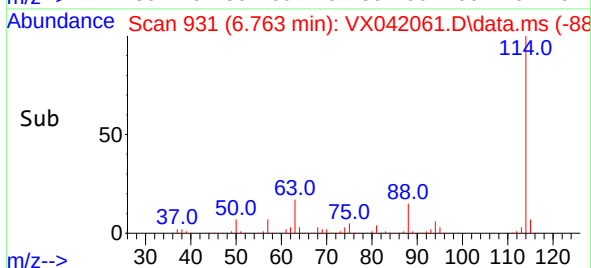
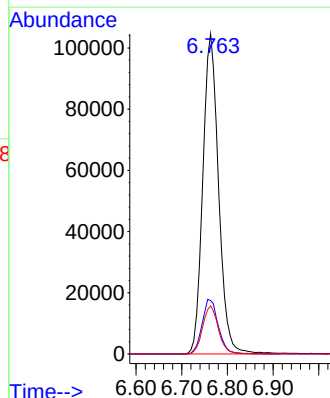
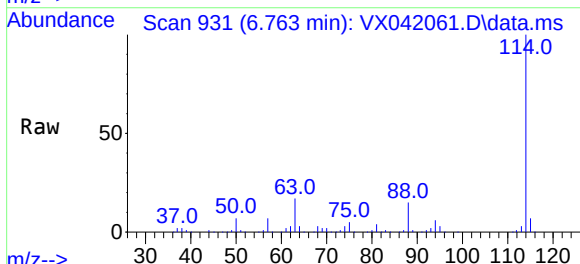
Tgt Ion: 114 Resp: 250099

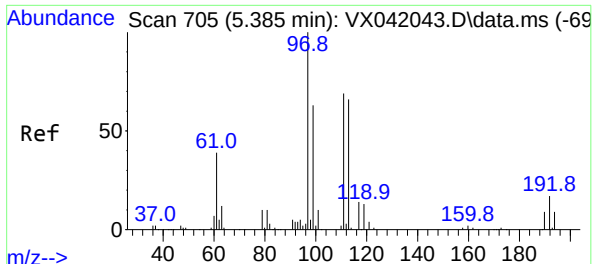
Ion Ratio Lower Upper

114 100

63 16.7 0.0 45.0

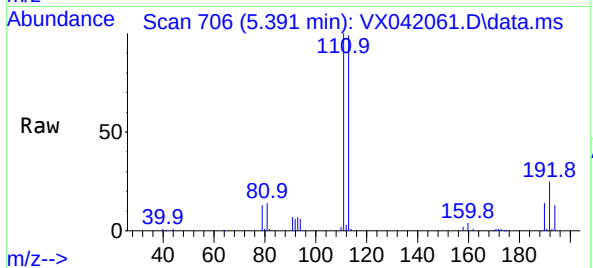
88 15.0 0.0 36.6



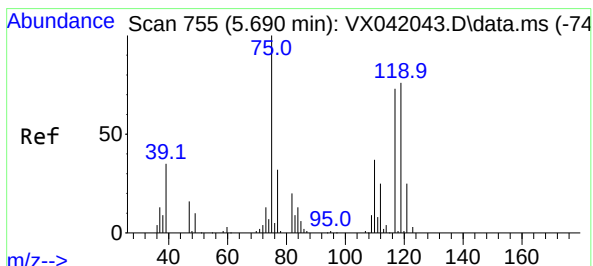
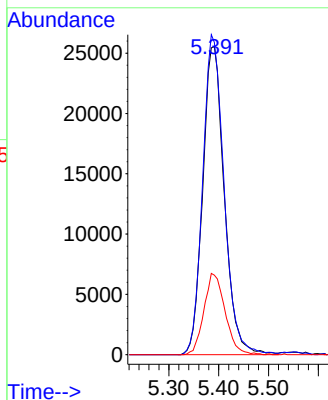
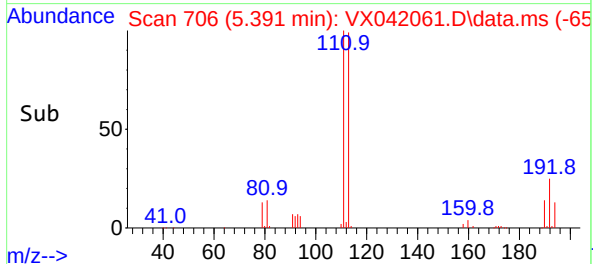


#35
Dibromofluoromethane
Concen: 43.284 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Instrument :
MSVOA_X
ClientSampleId :

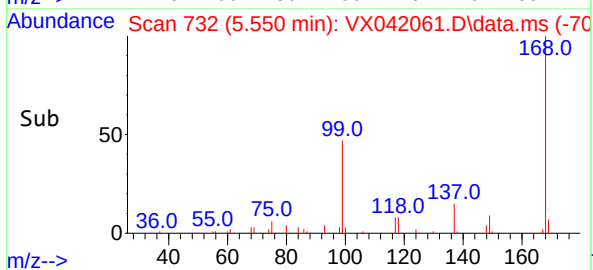
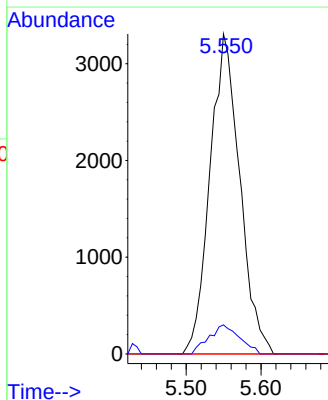
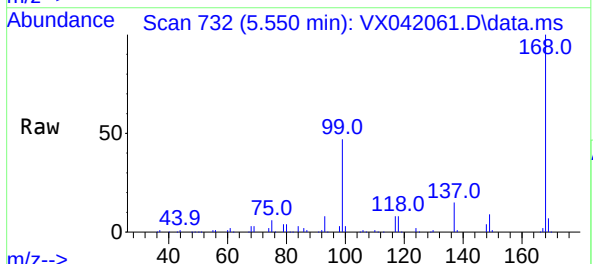


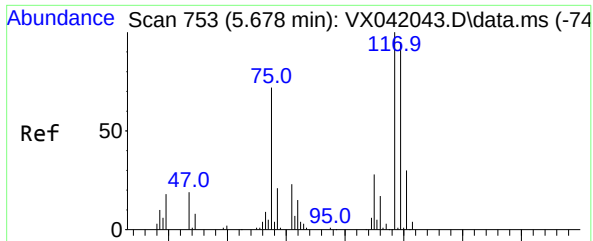
Tgt Ion:113 Resp: 76811
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 25.9 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.867 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

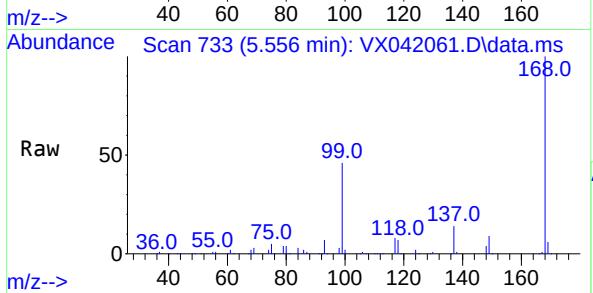
Tgt Ion: 75 Resp: 9171
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



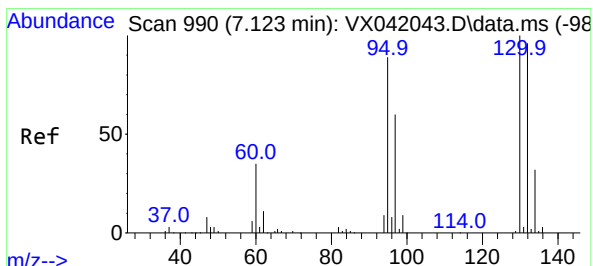
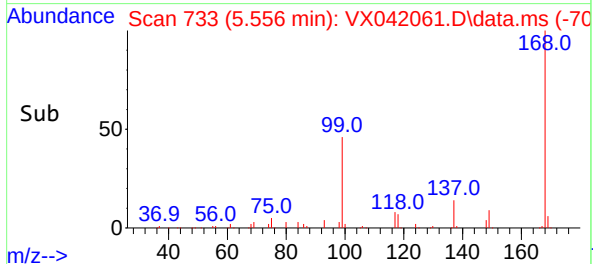
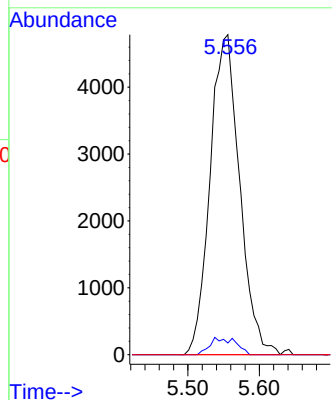


#38
Carbon Tetrachloride
Concen: 6.601 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Instrument :
MSVOA_X
ClientSampleId :

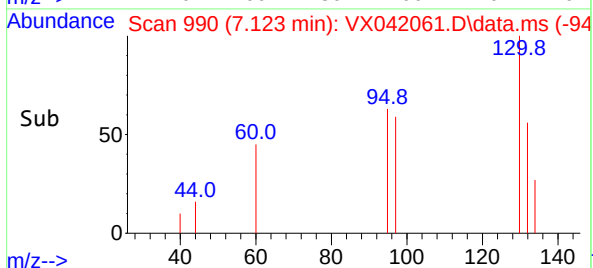
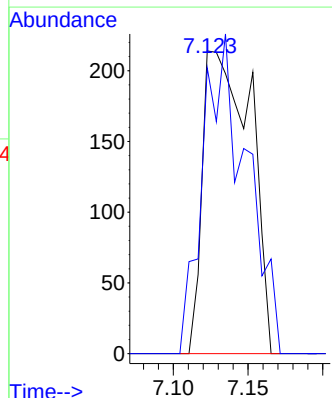
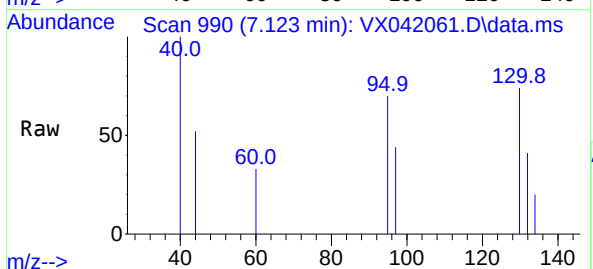


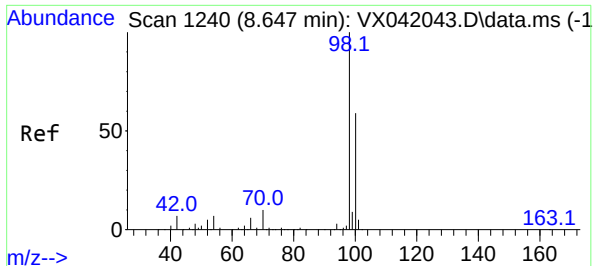
Tgt Ion:117 Resp: 13743
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.279 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Tgt Ion:130 Resp: 476
Ion Ratio Lower Upper
130 100
95 94.4 0.0 204.4

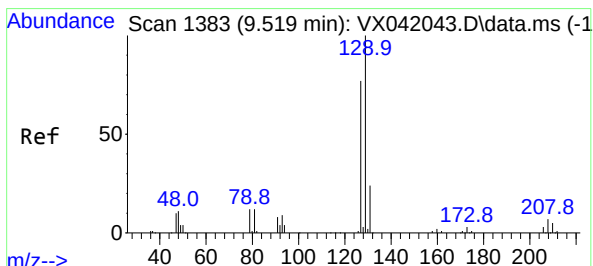
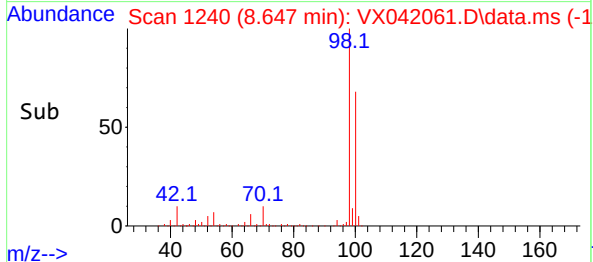
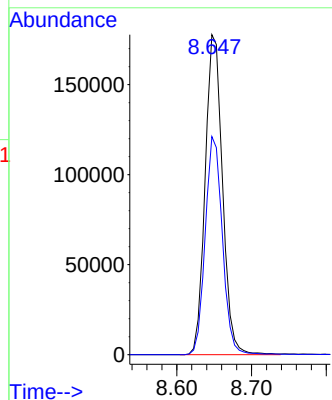
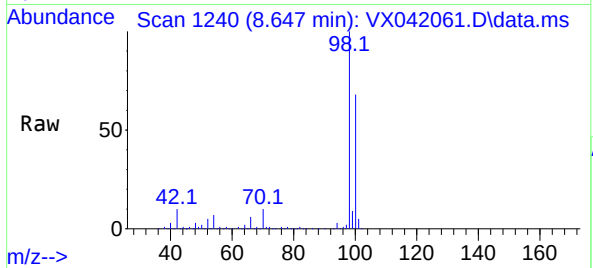




#50
Toluene-d8
Concen: 45.925 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

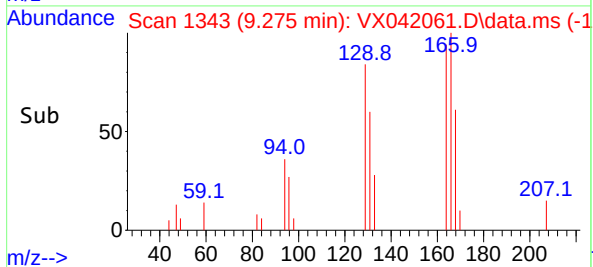
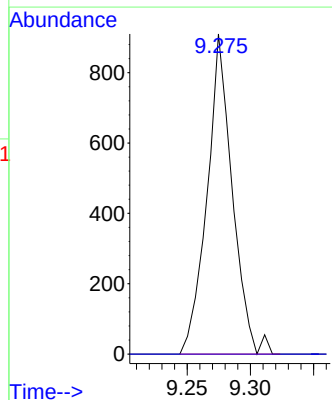
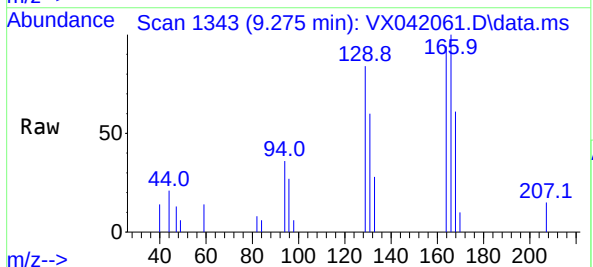
Instrument :
MSVOA_X
ClientSampleId :

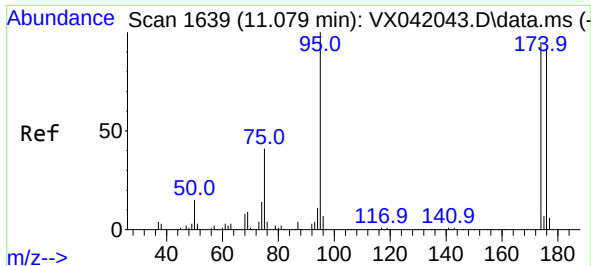
Tgt Ion: 98 Resp: 286309
Ion Ratio Lower Upper
98 100
100 67.6 53.1 79.7



#60
Dibromochloromethane
Concen: 0.689 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

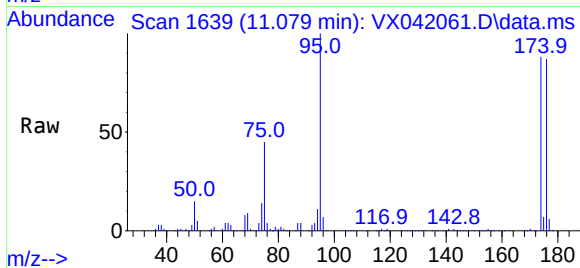
Tgt Ion: 129 Resp: 1262
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



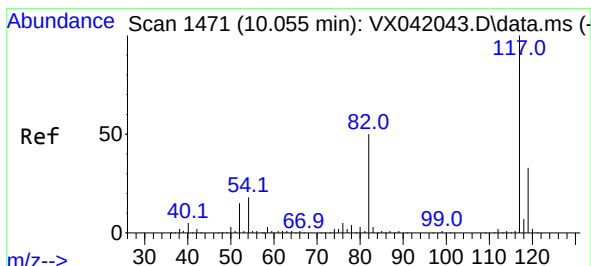
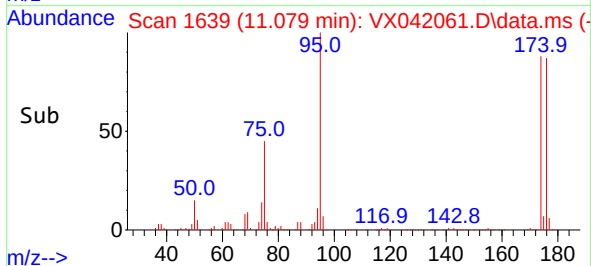
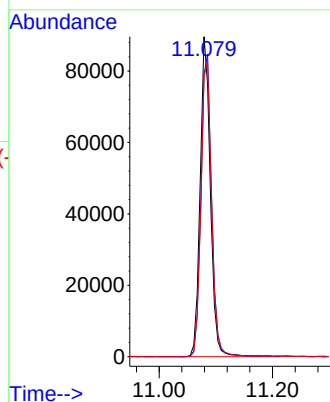


#62
4-Bromofluorobenzene
Concen: 48.811 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Instrument :
MSVOA_X
ClientSampleId :

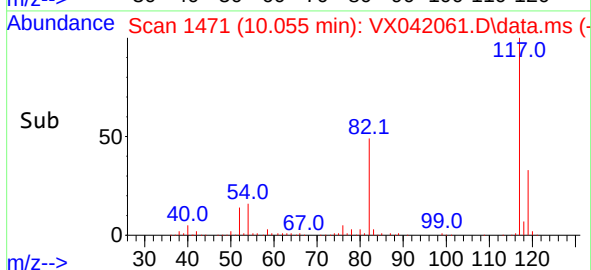
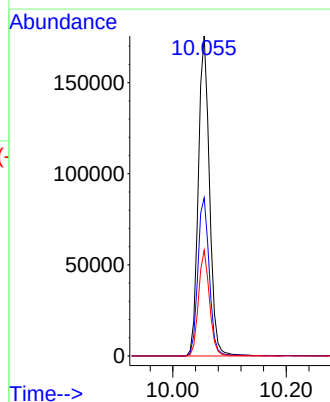
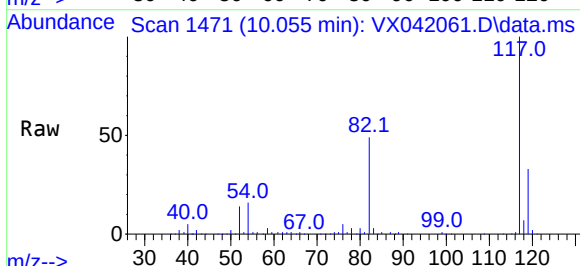


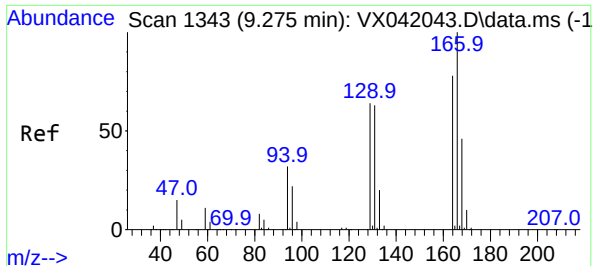
Tgt Ion: 95 Resp: 112172
Ion Ratio Lower Upper
95 100
174 97.8 0.0 135.6
176 96.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

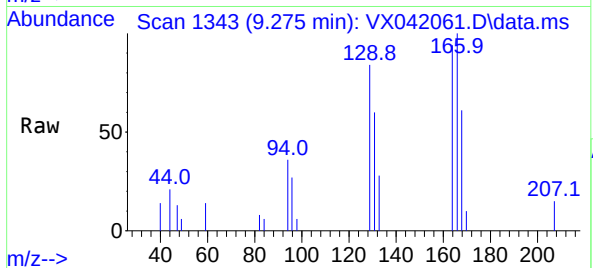
Tgt Ion: 117 Resp: 240433
Ion Ratio Lower Upper
117 100
82 49.4 46.2 69.4
119 33.0 25.5 38.3



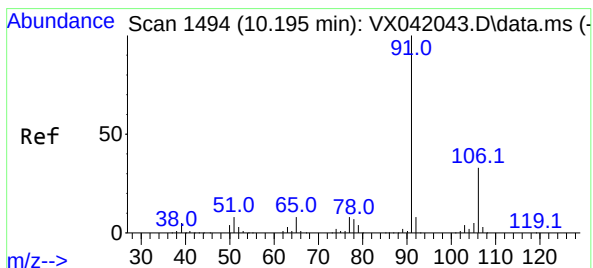
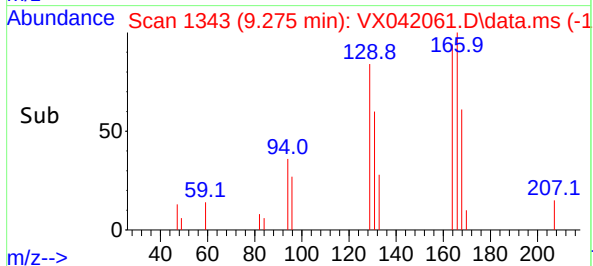
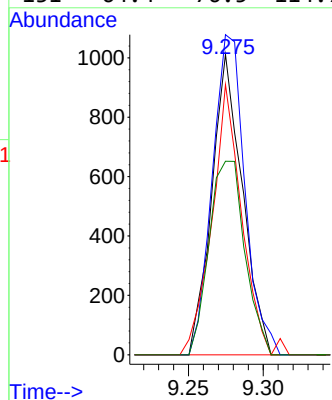


#64
Tetrachloroethene
Concen: 0.823 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Instrument :
MSVOA_X
ClientSampleId :

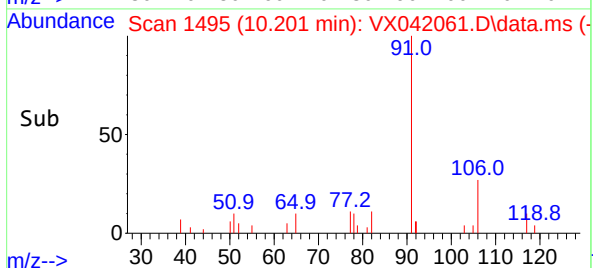
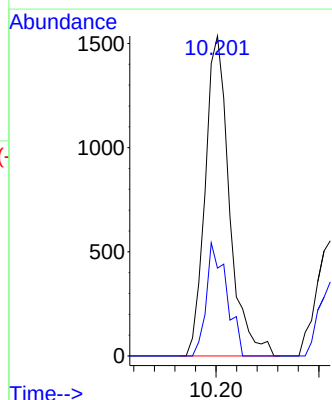
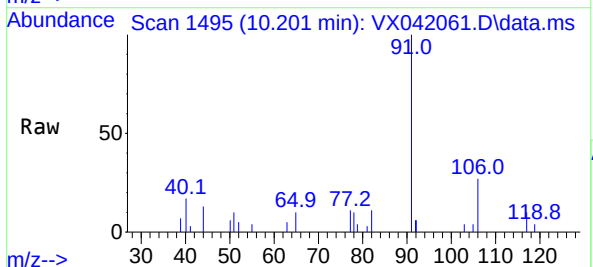


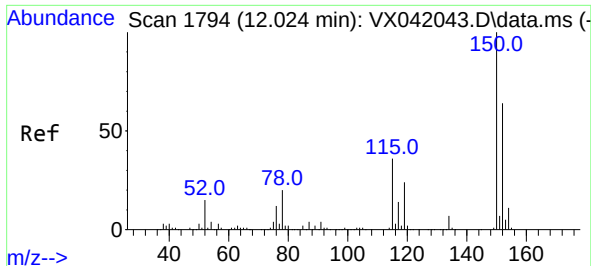
Tgt Ion:164 Resp: 1441
Ion Ratio Lower Upper
164 100
166 106.5 102.7 154.1
129 89.9 80.4 120.6
131 64.4 76.5 114.7#



#67
Ethyl Benzene
Concen: 0.321 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

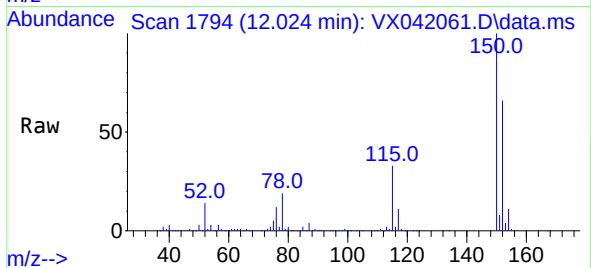
Tgt Ion: 91 Resp: 2518
Ion Ratio Lower Upper
91 100
106 27.5 24.9 37.3



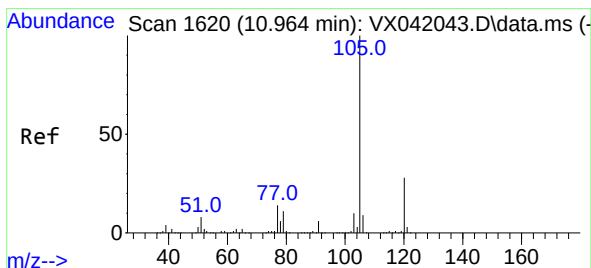
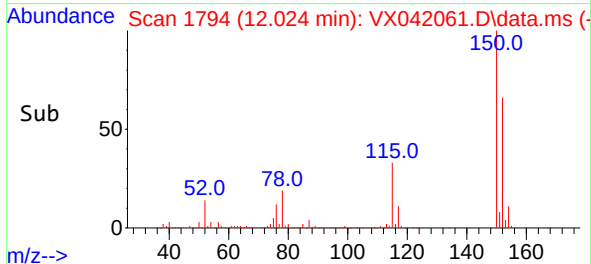
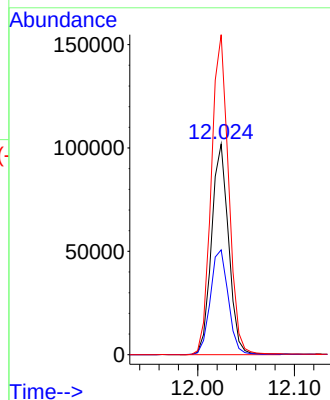


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Instrument :
MSVOA_X
ClientSampleId :

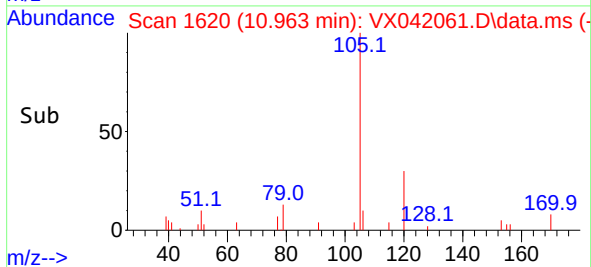
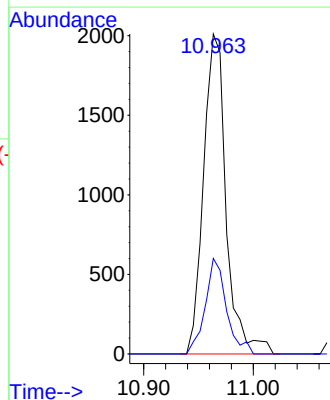
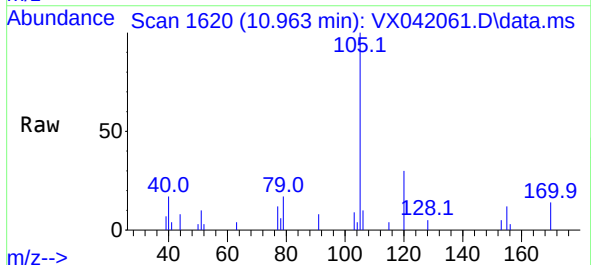


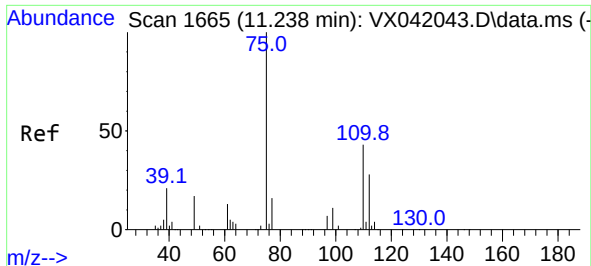
Tgt Ion:152 Resp: 125338
Ion Ratio Lower Upper
152 100
115 52.0 43.3 129.9
150 154.7 0.0 345.0



#73
Isopropylbenzene
Concen: 0.378 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Tgt Ion:105 Resp: 2877
Ion Ratio Lower Upper
105 100
120 28.1 12.9 38.6

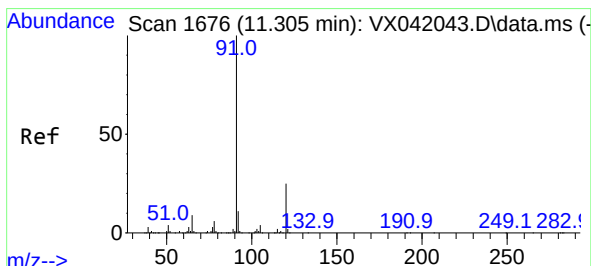
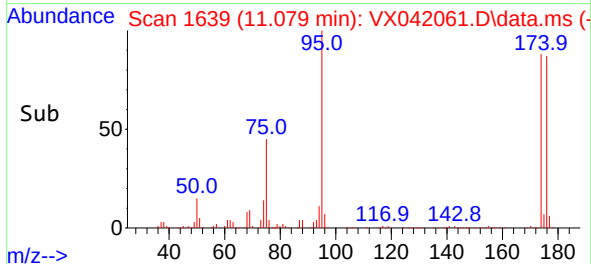
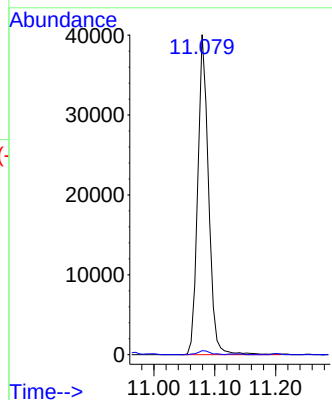
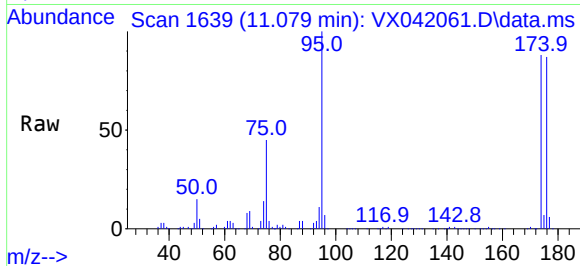




#76
1,2,3-Trichloropropane
Concen: 21.631 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

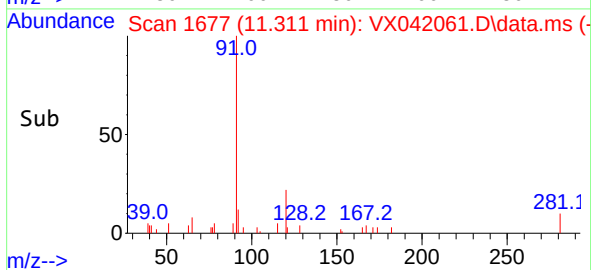
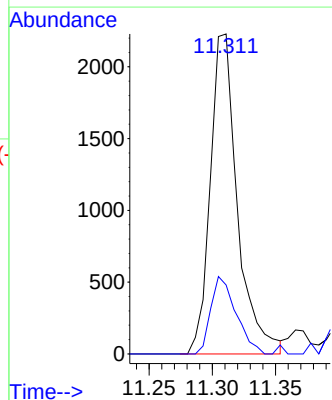
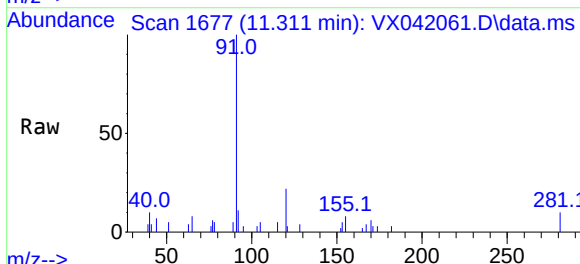
Instrument :
MSVOA_X
ClientSampleId :

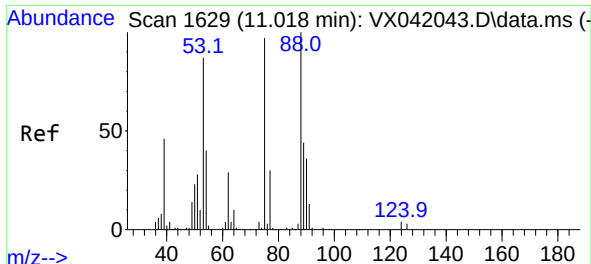
Tgt Ion: 75 Resp: 49219
Ion Ratio Lower Upper
75 100
77 1.5 19.1 57.5#



#78
n-propylbenzene
Concen: 0.402 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

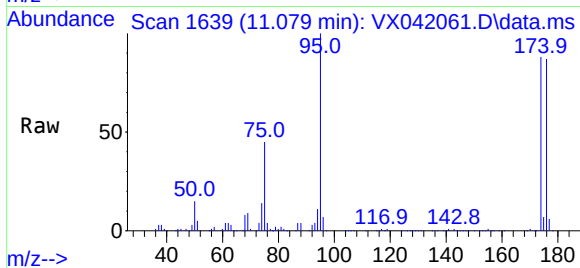
Tgt Ion: 91 Resp: 3327
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.4



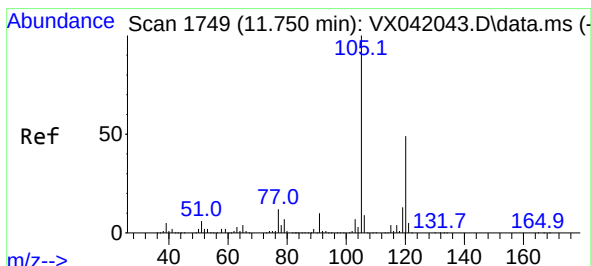
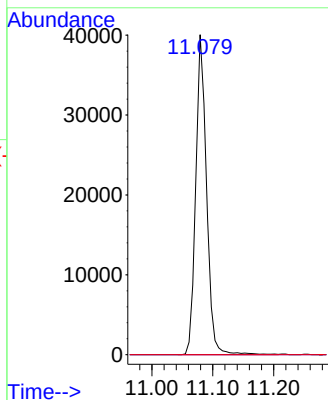
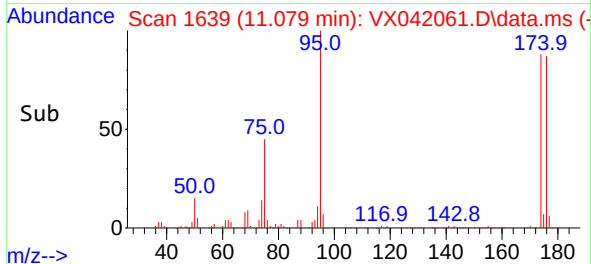


#81
trans-1,4-Dichloro-2-butene
Concen: 61.430 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Instrument :
MSVOA_X
ClientSampleId :

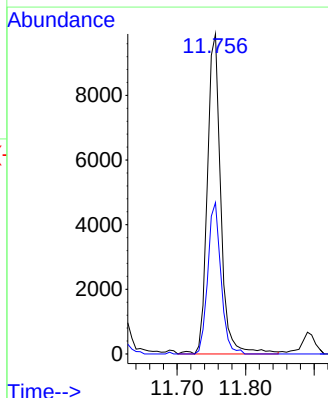
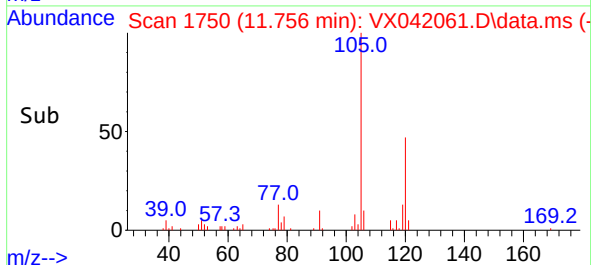
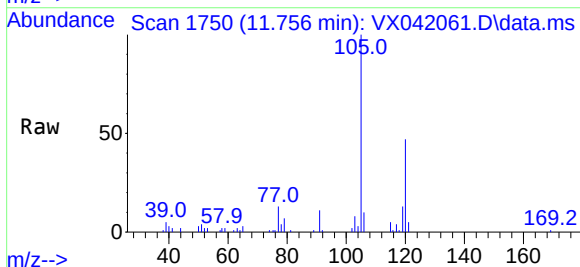


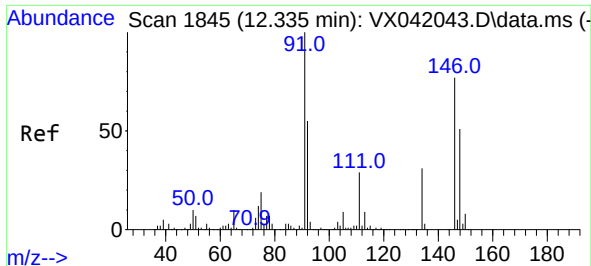
Tgt Ion: 75 Resp: 49219
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 2.121 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

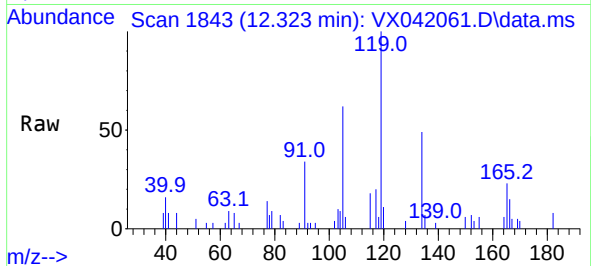
Tgt Ion: 105 Resp: 13505
Ion Ratio Lower Upper
105 100
120 46.2 21.2 63.6



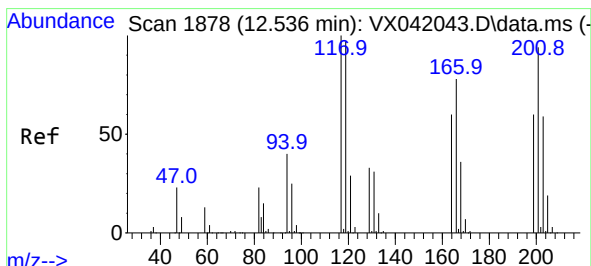
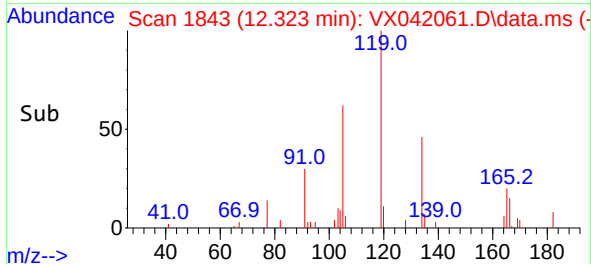
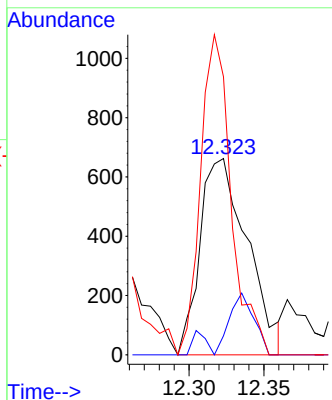


#89
n-Butylbenzene
Concen: 0.275 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.012 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Instrument :
MSVOA_X
ClientSampleId :

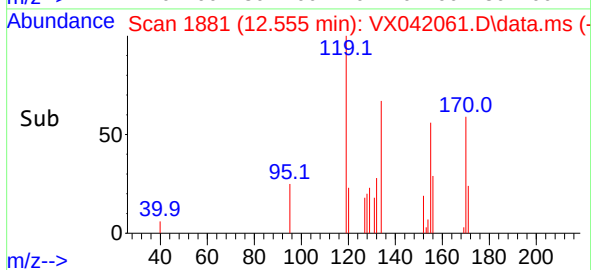
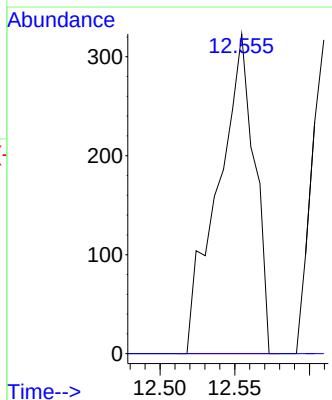
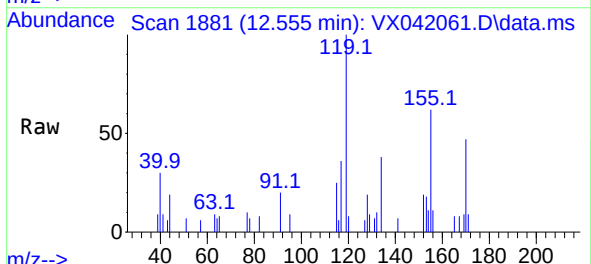


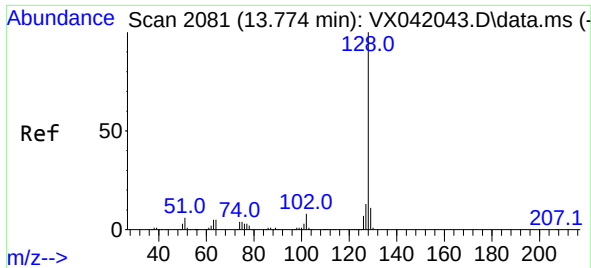
Tgt Ion: 91 Resp: 1455
Ion Ratio Lower Upper
91 100
92 16.4 27.4 82.0#
134 105.5 12.6 37.8#



#90
Hexachloroethane
Concen: 0.468 ug/l
RT: 12.555 min Scan# 1881
Delta R.T. 0.018 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

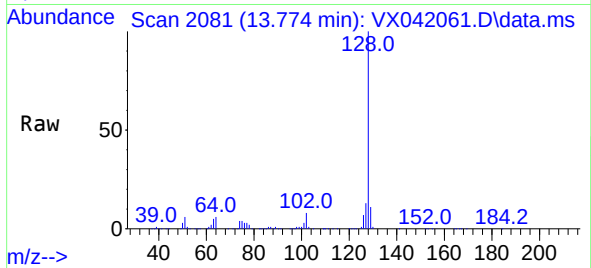
Tgt Ion: 117 Resp: 548
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 22.048 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX042061.D
Acq: 26 Jun 2024 18:22

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 194317
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.3 8.8 13.2

