

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052924\
 Data File : VX041671.D
 Acq On : 29 May 2024 14:06
 Operator : JC/MD
 Sample : VX0529MBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

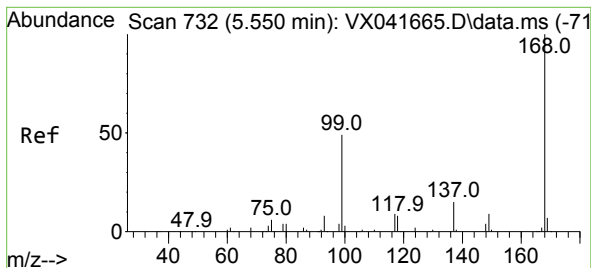
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 30 07:41:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	148206	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	221964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81816	45.011	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.020%		
35) Dibromofluoromethane	5.385	113	68789	44.824	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.640%		
50) Toluene-d8	8.647	98	263798	49.195	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.400%		
62) 4-Bromofluorobenzene	11.079	95	100457	50.759	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.520%		
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	334	0.235	ug/l	# 43
5) Bromomethane	1.593	94	473	0.464	ug/l	# 72
6) Chloroethane	1.666	64	190	0.215	ug/l	# 62
10) Methyl Iodide	2.453	142	387	0.229	ug/l	# 76
11) Tert butyl alcohol	2.941	59	3622	11.264	ug/l	# 78
13) Acrolein	2.233	56	306	1.022	ug/l	# 81
15) Acrylonitrile	3.081	53	638	0.809	ug/l	# 86
16) Acetone	2.392	43	1336	Below Cal		99
17) Carbon Disulfide	2.502	76	2043	0.699	ug/l	# 93
18) Methyl Acetate	2.709	43	567	0.327	ug/l	# 73
20) Methylene Chloride	2.788	84	1209	0.743	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	401	0.293	ug/l	# 74
25) 2-Butanone	4.611	43	308	0.273	ug/l	# 51
29) Tetrahydrofuran	5.050	42	353	0.495	ug/l	# 39
38) Carbon Tetrachloride	5.544	117	12869	6.096	ug/l	# 14
68) m/p-Xylenes	10.311	106	718	0.239	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	52649	27.025	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	52649	73.658	ug/l	# 5
87) 1,3-Dichlorobenzene	11.976	146	917	0.251	ug/l	89
88) 1,4-Dichlorobenzene	11.976	146	917	0.244	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	1068	0.436	ug/l	87
94) Hexachlorobutadiene	13.725	225	266	0.219	ug/l	83
95) Naphthalene	13.780	128	3943	0.545	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1246	0.494	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX041671.D

Acq: 29 May 2024 14:06

Instrument :

MSVOA_X

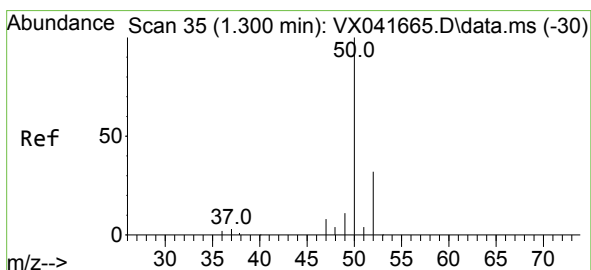
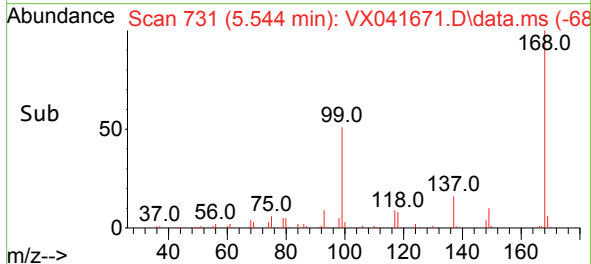
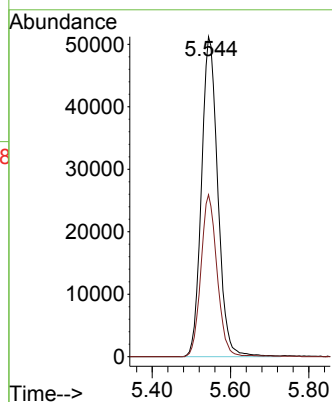
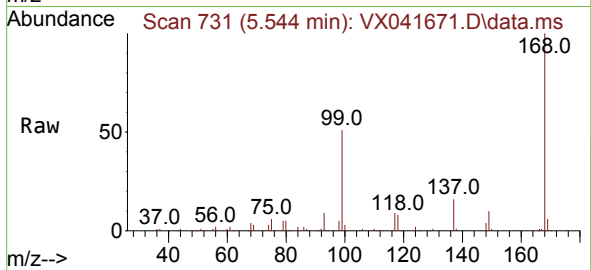
ClientSampleId :

Tgt Ion:168 Resp: 148206

Ion Ratio Lower Upper

168 100

99 50.6 56.6 85.0#



#3

Chloromethane

Concen: 0.235 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX041671.D

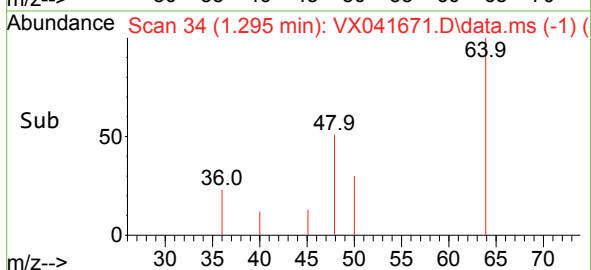
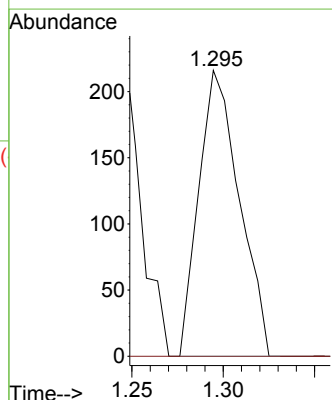
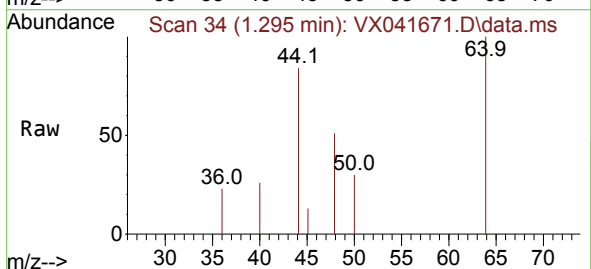
Acq: 29 May 2024 14:06

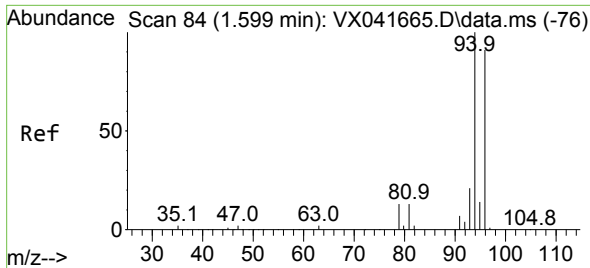
Tgt Ion: 50 Resp: 334

Ion Ratio Lower Upper

50 100

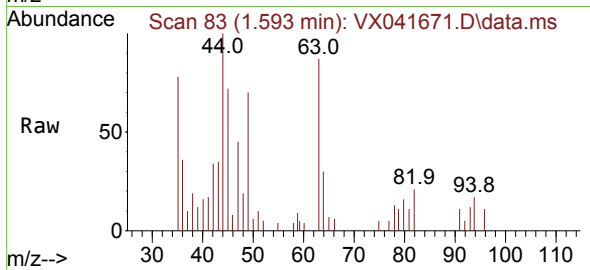
52 0.0 25.5 38.3#



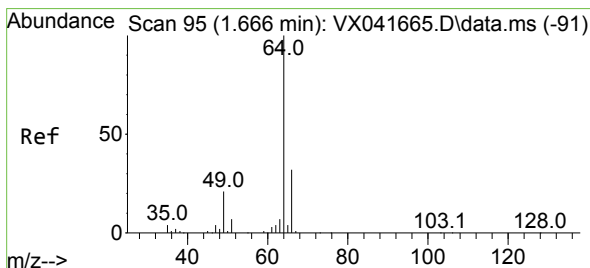
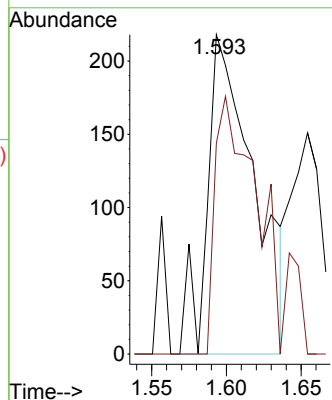
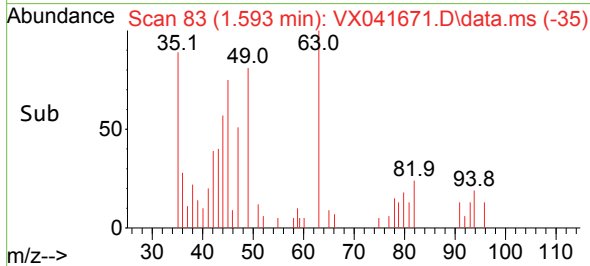


#5
 Bromomethane
 Concen: 0.464 ug/l
 RT: 1.593 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VX041671.D
 Acq: 29 May 2024 14:06

Instrument :
 MSVOA_X
 ClientSampleId :

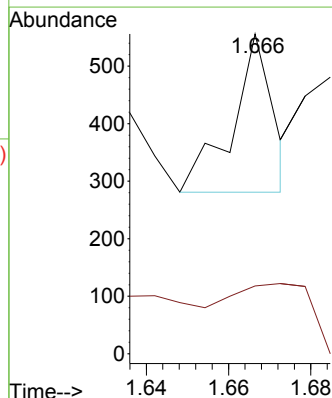
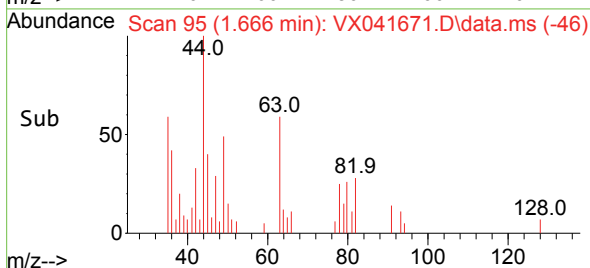
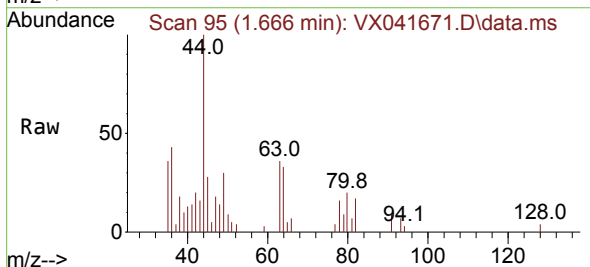


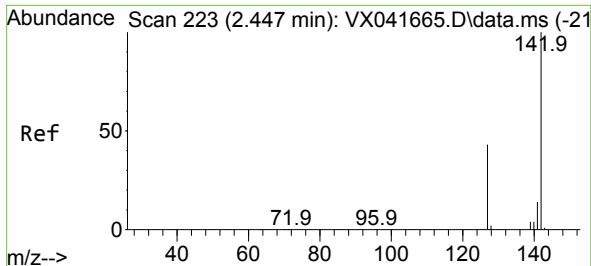
Tgt Ion: 94 Resp: 473
 Ion Ratio Lower Upper
 94 100
 96 66.1 74.6 111.8#



#6
 Chloroethane
 Concen: 0.215 ug/l
 RT: 1.666 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VX041671.D
 Acq: 29 May 2024 14:06

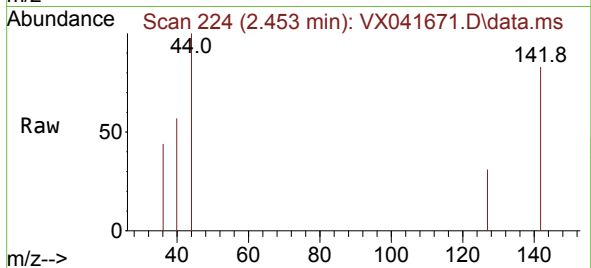
Tgt Ion: 64 Resp: 190
 Ion Ratio Lower Upper
 64 100
 66 10.5 25.1 37.7#



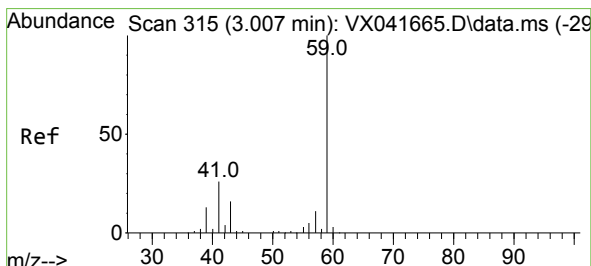
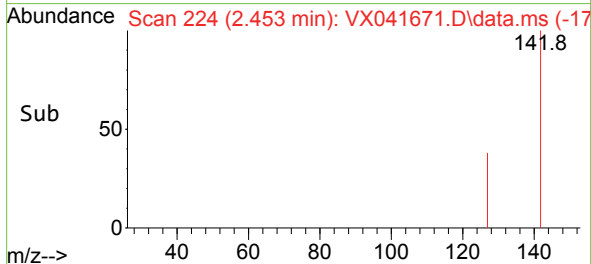
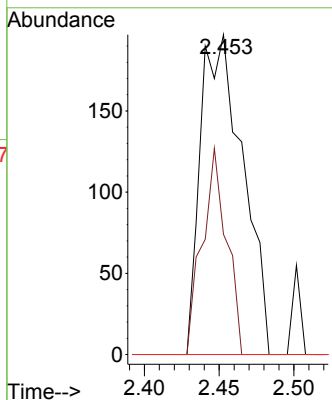


#10
Methyl Iodide
Concen: 0.229 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

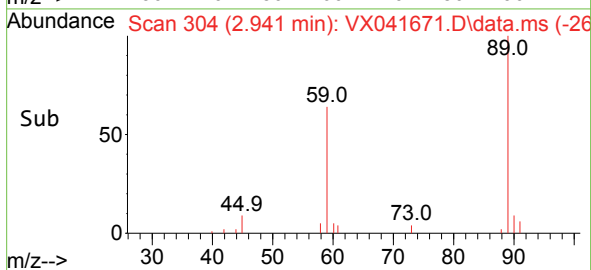
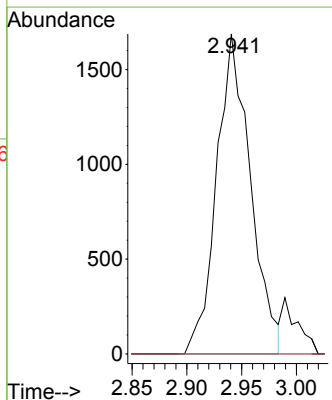
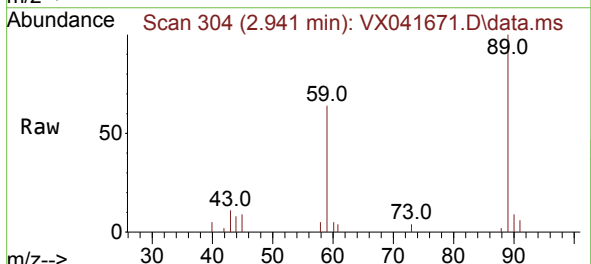


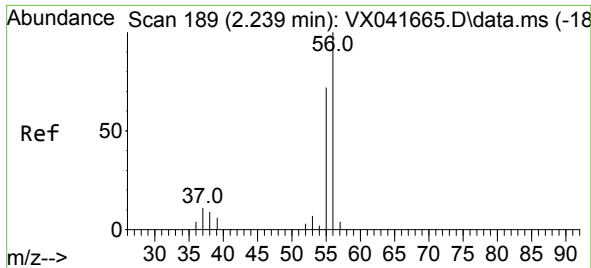
Tgt Ion:142 Resp: 387
Ion Ratio Lower Upper
142 100
127 37.2 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 11.264 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

Tgt Ion: 59 Resp: 3622
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

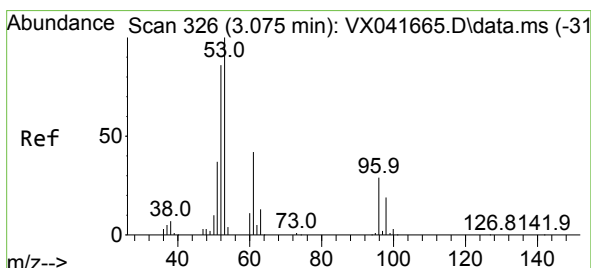
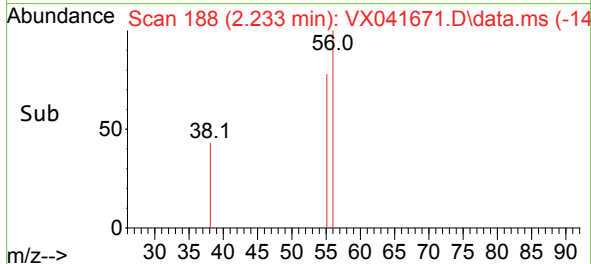
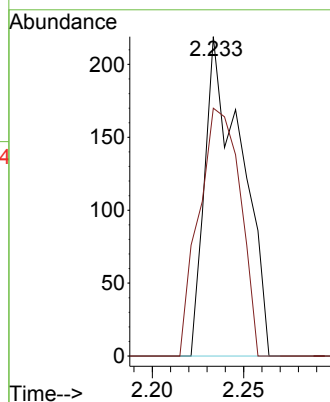
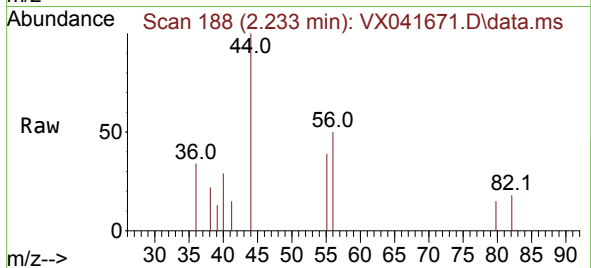




#13
Acrolein
Concen: 1.022 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

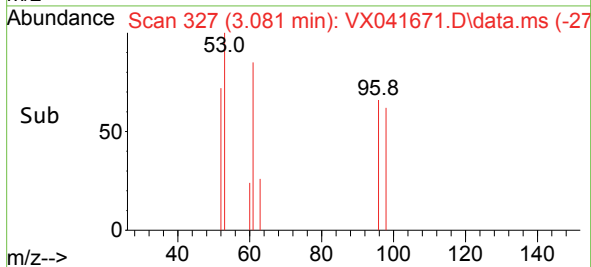
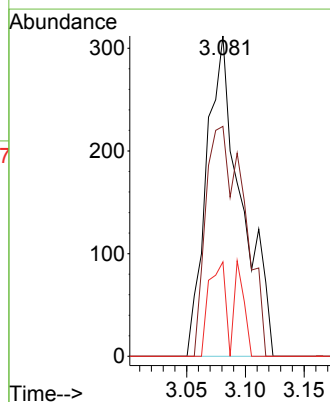
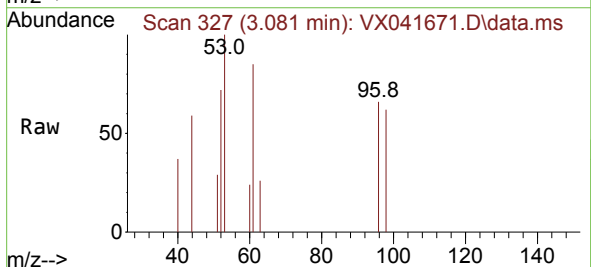
Instrument :
MSVOA_X
ClientSampleId :

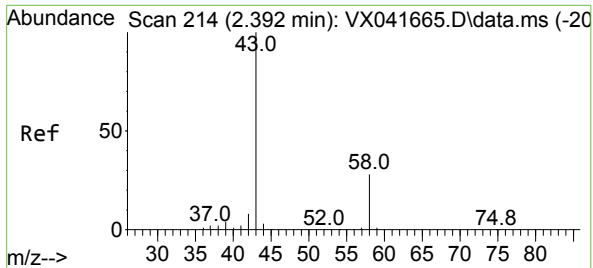
Tgt Ion: 56 Resp: 306
Ion Ratio Lower Upper
56 100
55 87.3 57.1 85.7#



#15
Acrylonitrile
Concen: 0.809 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

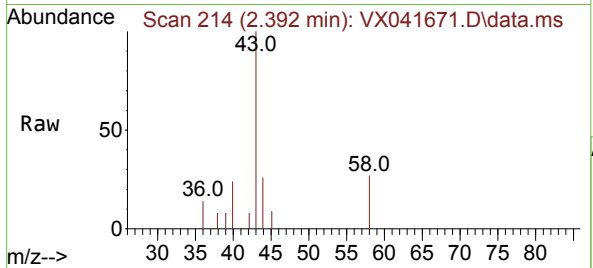
Tgt Ion: 53 Resp: 638
Ion Ratio Lower Upper
53 100
52 79.6 66.0 99.0
51 14.1 29.8 44.6#



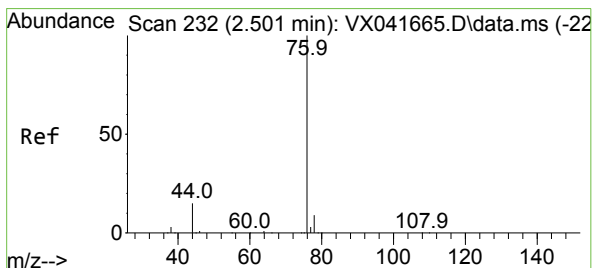
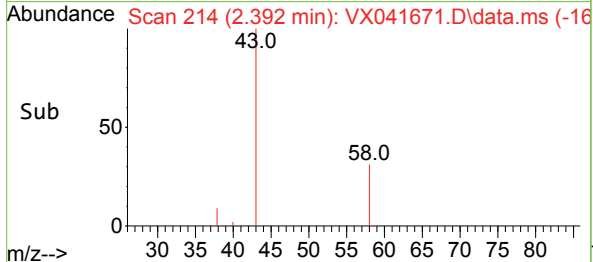
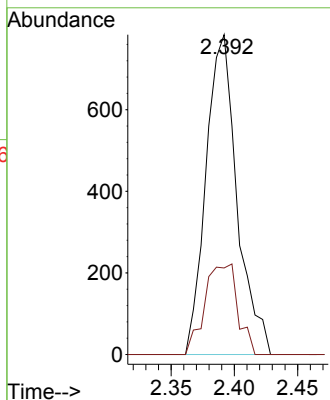


#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

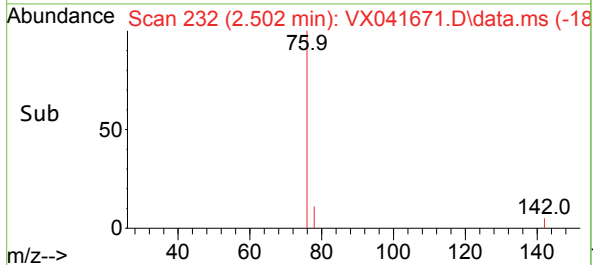
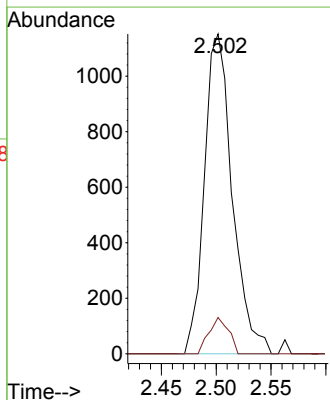
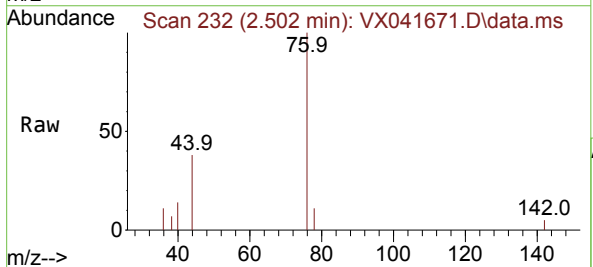


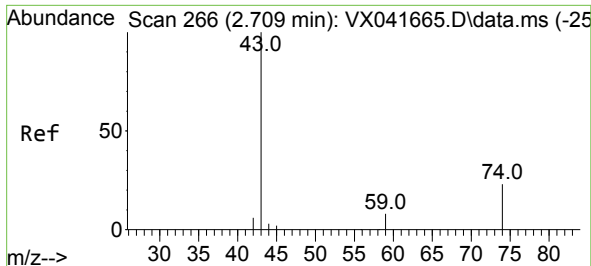
Tgt Ion: 43 Resp: 1336
Ion Ratio Lower Upper
43 100
58 27.0 21.9 32.9



#17
Carbon Disulfide
Concen: 0.699 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

Tgt Ion: 76 Resp: 2043
Ion Ratio Lower Upper
76 100
78 11.4 7.0 10.6#

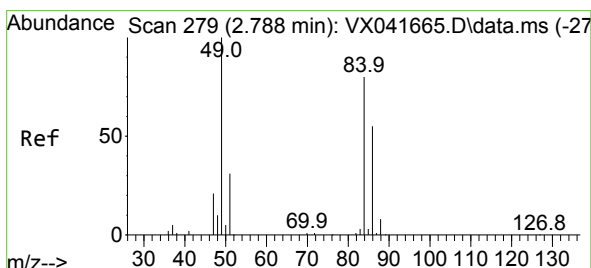
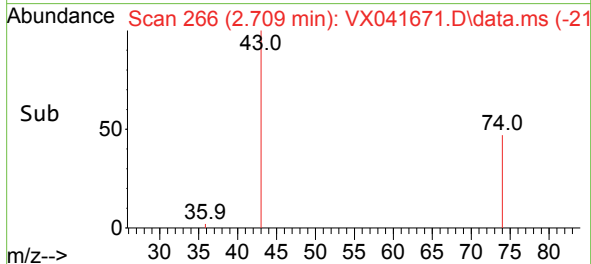
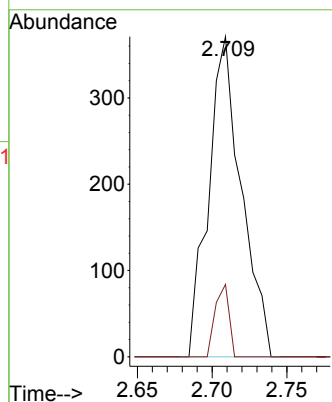
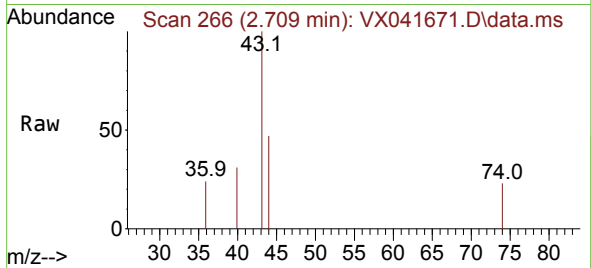




#18
Methyl Acetate
Concen: 0.327 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

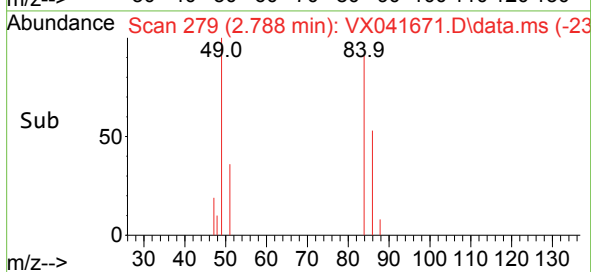
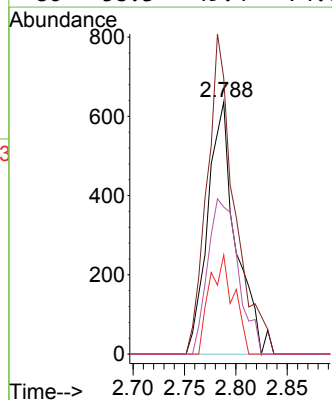
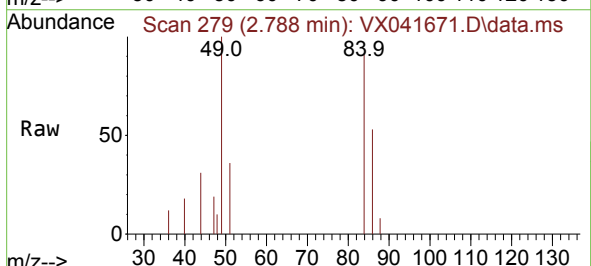
Instrument :
MSVOA_X
ClientSampleId :

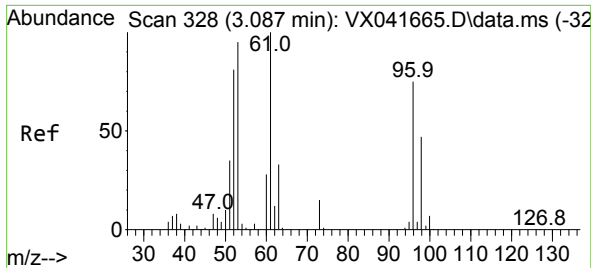
Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
74 9.5 17.8 26.8#



#20
Methylene Chloride
Concen: 0.743 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

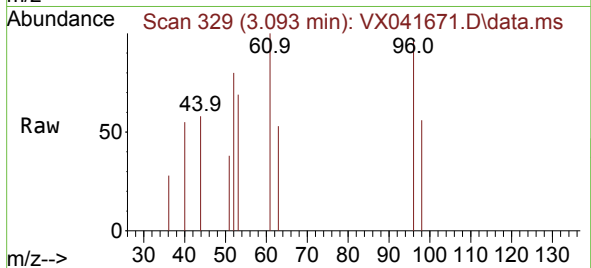
Tgt Ion: 84 Resp: 1209
Ion Ratio Lower Upper
84 100
49 109.6 103.6 155.4
51 39.3 33.8 50.6
86 58.3 49.4 74.0



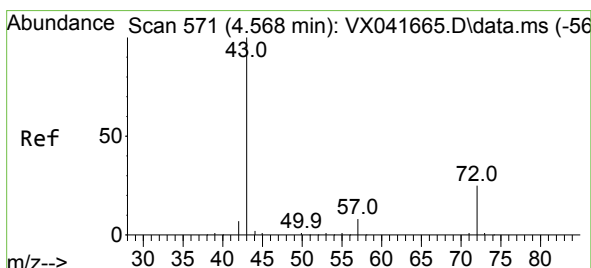
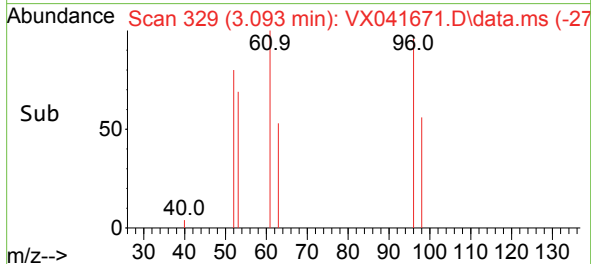
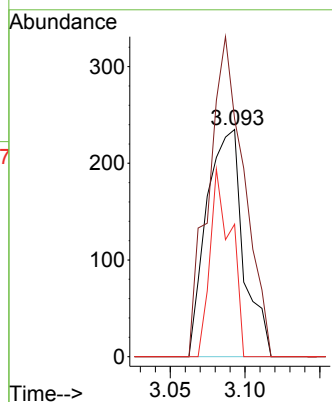


#21
trans-1,2-Dichloroethene
Concen: 0.293 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

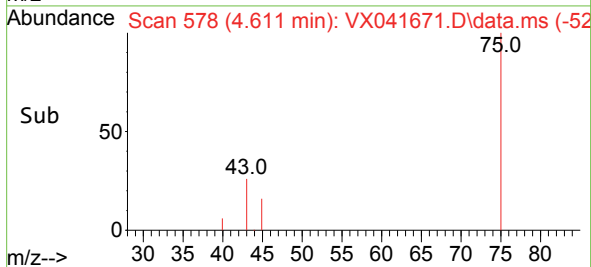
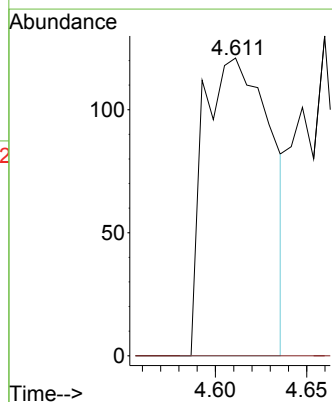
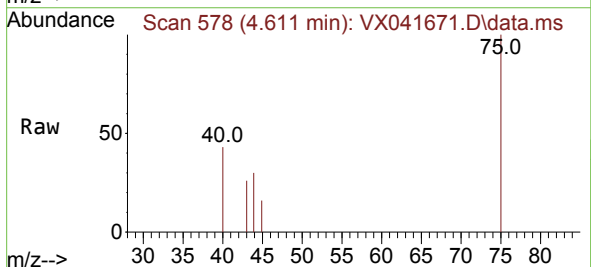


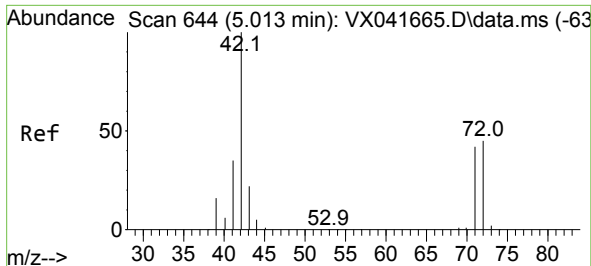
Tgt Ion: 96 Resp: 401
Ion Ratio Lower Upper
96 100
61 104.7 119.2 178.8#
98 58.3 48.7 73.1



#25
2-Butanone
Concen: 0.273 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.043 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

Tgt Ion: 43 Resp: 308
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.495 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.037 min

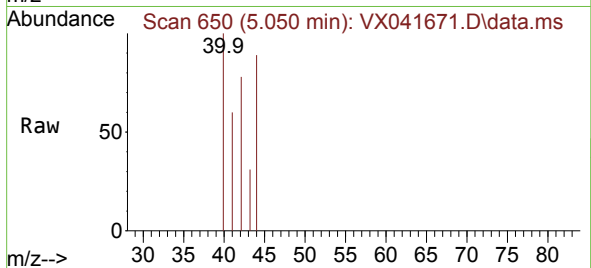
Lab File: VX041671.D

Acq: 29 May 2024 14:06

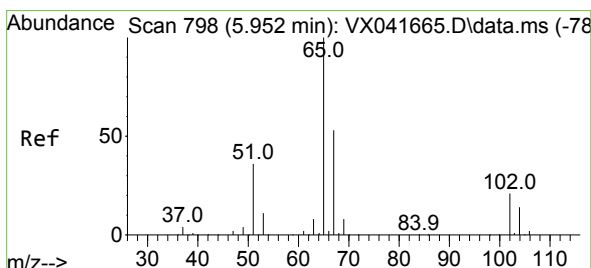
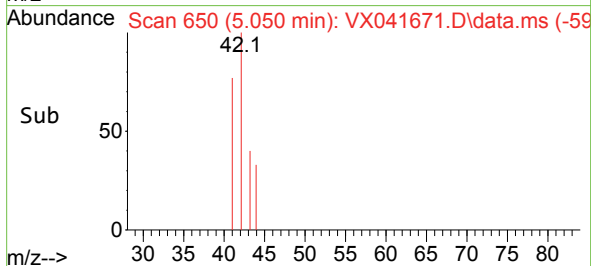
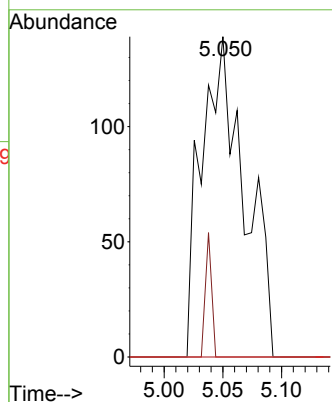
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	353
Ion	Ratio	Lower	Upper
42	100		
72	5.7	34.2	51.4#
71	0.0	32.2	48.2#



#33

1,2-Dichloroethane-d4

Concen: 45.011 ug/l

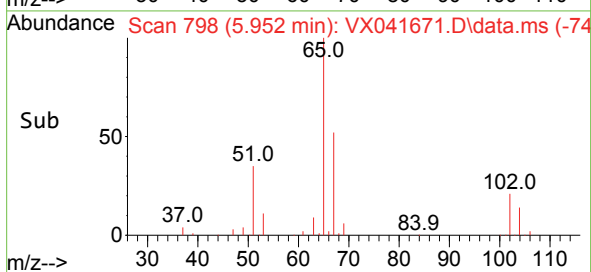
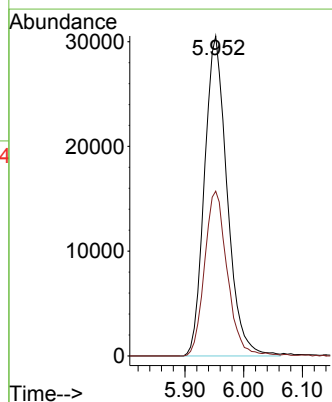
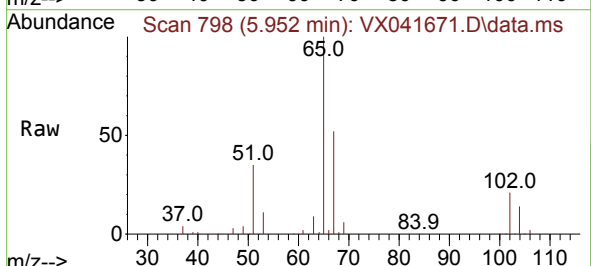
RT: 5.952 min Scan# 798

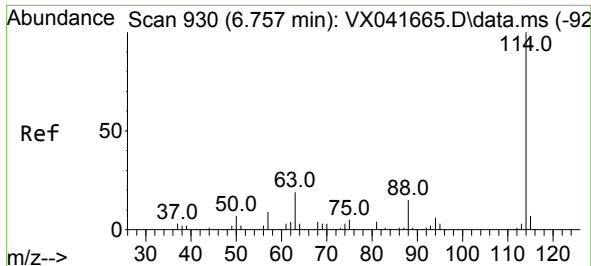
Delta R.T. 0.000 min

Lab File: VX041671.D

Acq: 29 May 2024 14:06

Tgt Ion:	65	Resp:	81816
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	100.2

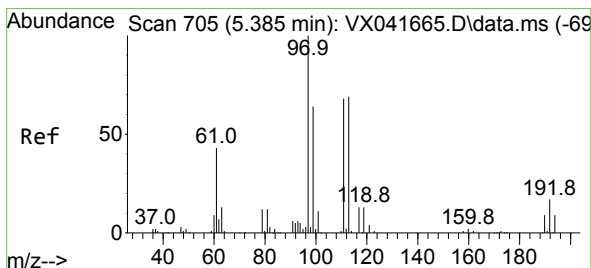
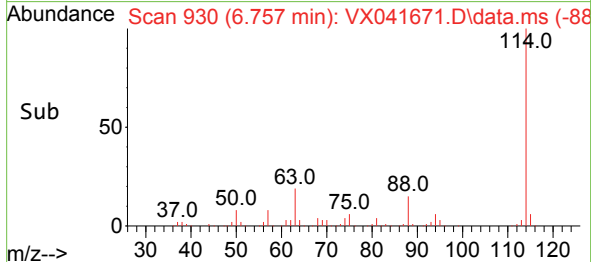
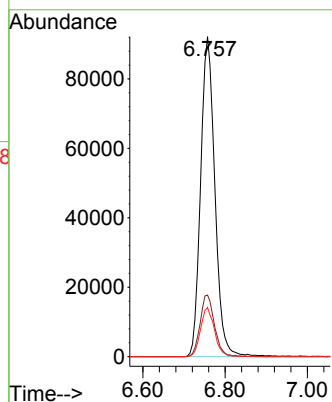
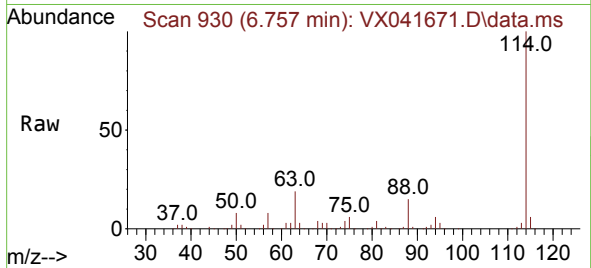




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

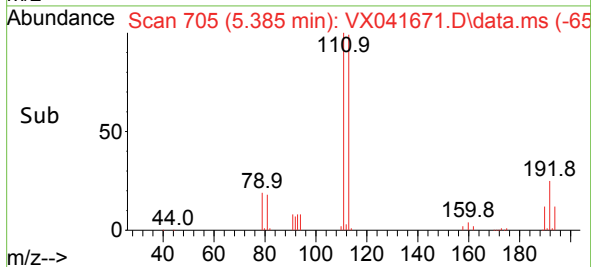
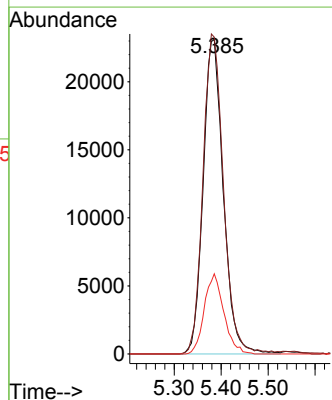
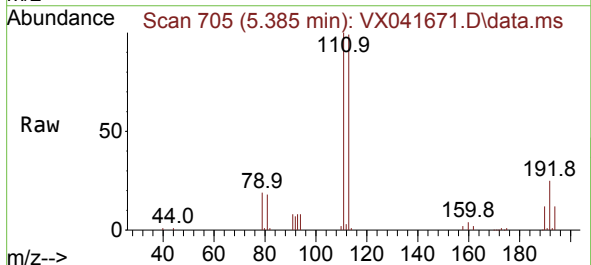
Instrument :
MSVOA_X
ClientSampleId :

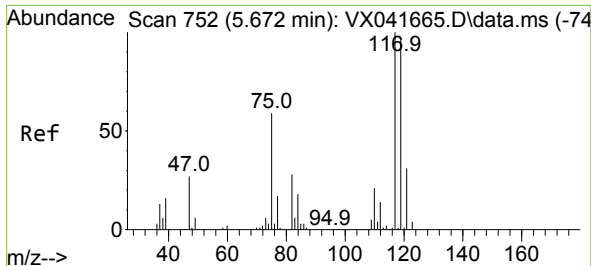
Tgt Ion:114 Resp: 221964
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.824 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

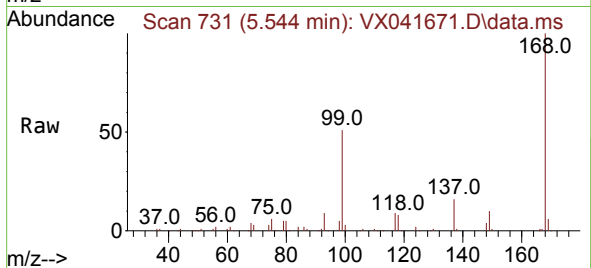
Tgt Ion:113 Resp: 68789
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 24.7 13.3 19.9#



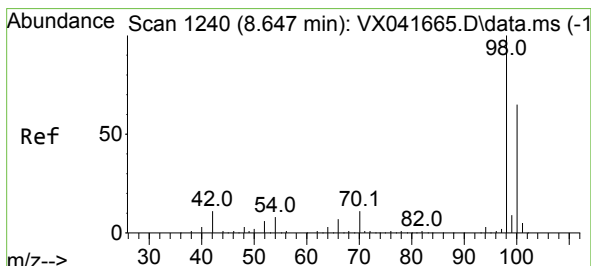
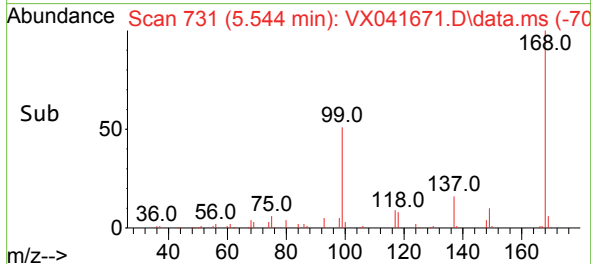
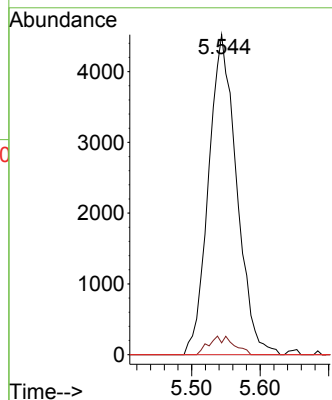


#38
Carbon Tetrachloride
Concen: 6.096 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

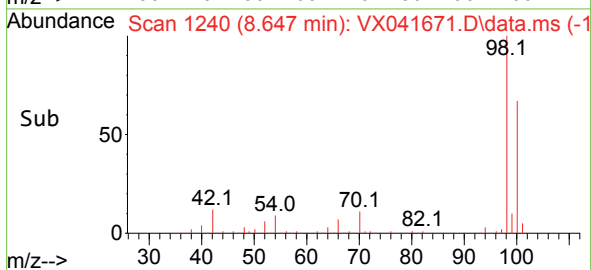
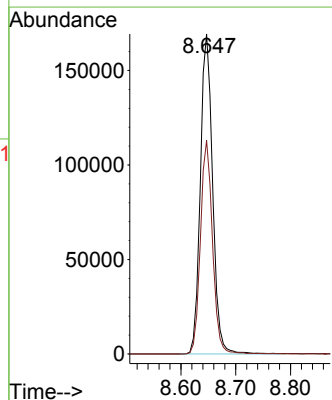
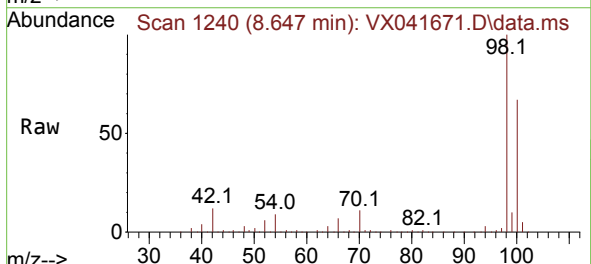


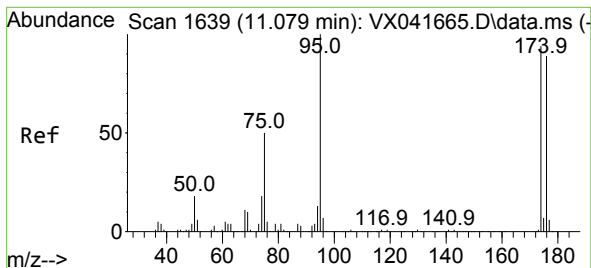
Tgt Ion:117 Resp: 12869
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.195 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

Tgt Ion: 98 Resp: 263798
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7

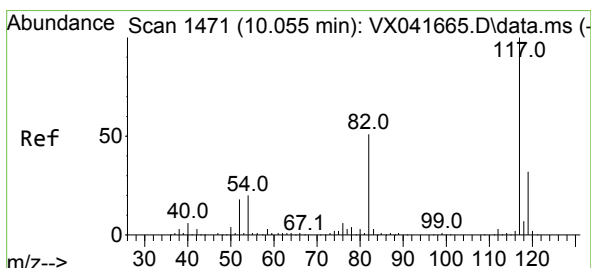
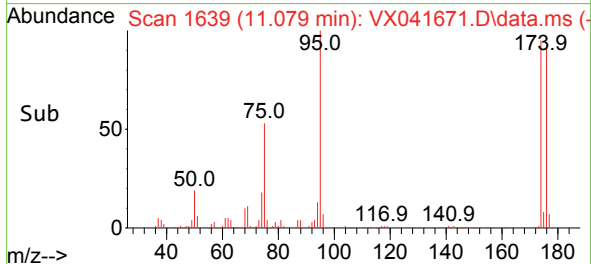
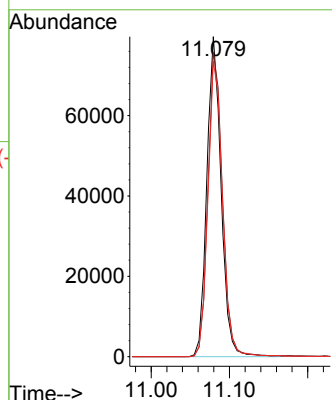
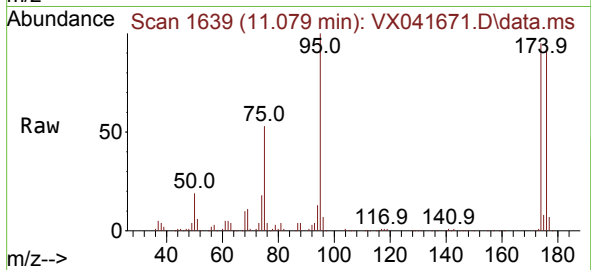




#62
4-Bromofluorobenzene
Concen: 50.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

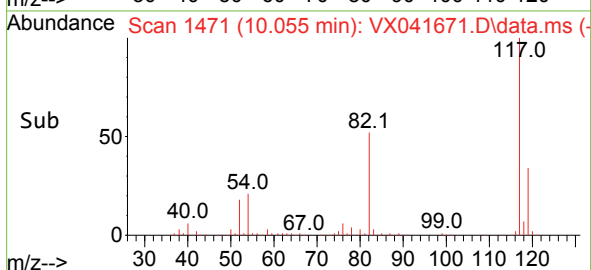
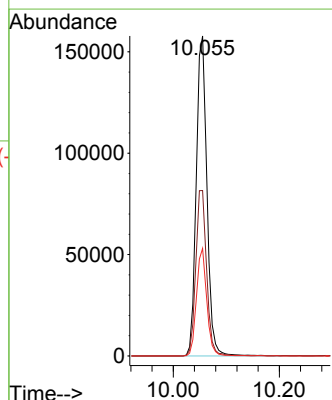
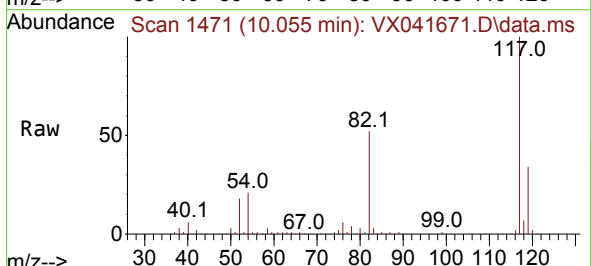
Instrument :
MSVOA_X
ClientSampleId :

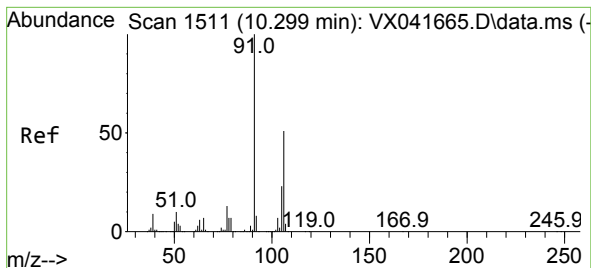
Tgt Ion: 95 Resp: 100457
Ion Ratio Lower Upper
95 100
174 97.4 0.0 135.6
176 94.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

Tgt Ion: 117 Resp: 220827
Ion Ratio Lower Upper
117 100
82 51.7 46.2 69.4
119 33.6 25.5 38.3

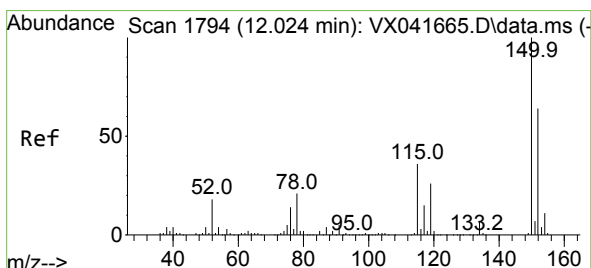
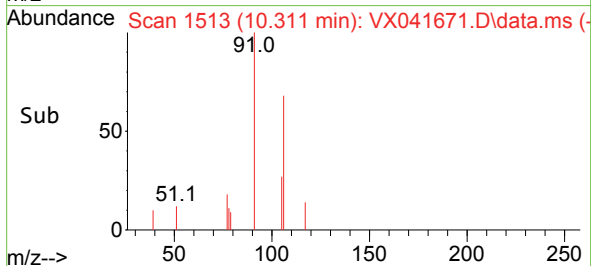
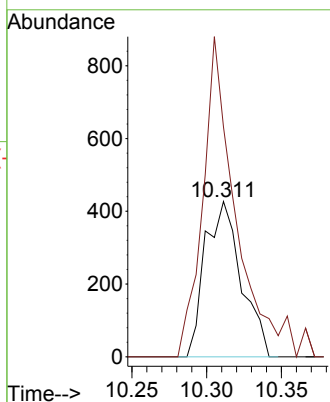
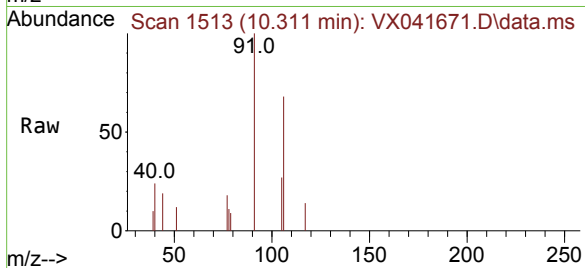




#68
m/p-Xylenes
Concen: 0.239 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

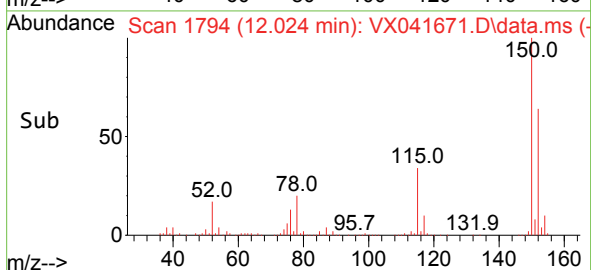
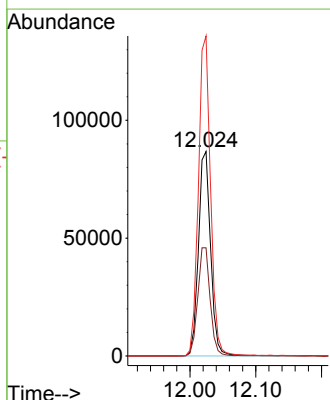
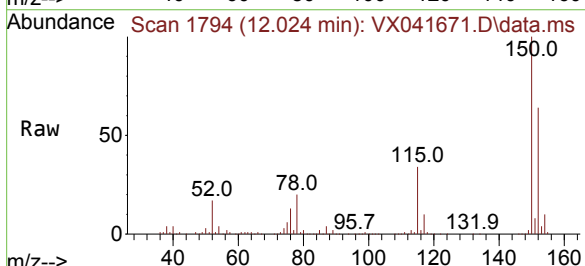
Instrument :
MSVOA_X
ClientSampleId :

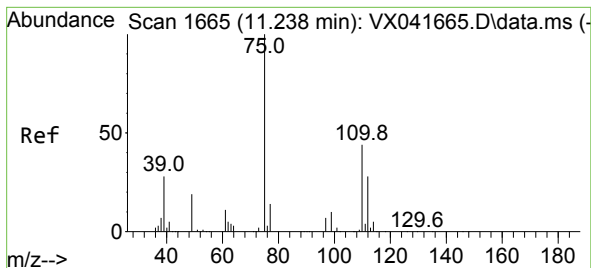
Tgt Ion:106 Resp: 718
Ion Ratio Lower Upper
106 100
91 190.5 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041671.D
Acq: 29 May 2024 14:06

Tgt Ion:152 Resp: 111654
Ion Ratio Lower Upper
152 100
115 53.8 43.3 129.9
150 155.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.025 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041671.D

Acq: 29 May 2024 14:06

Instrument :

MSVOA_X

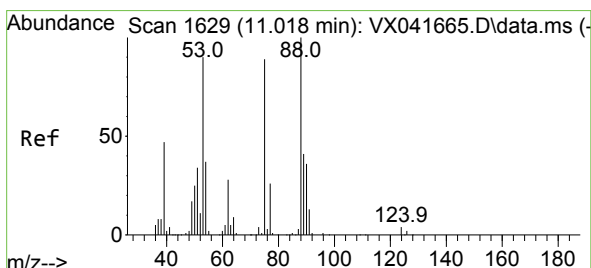
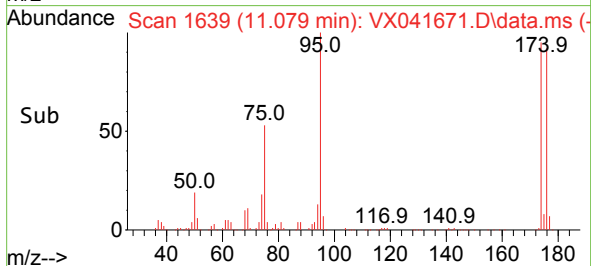
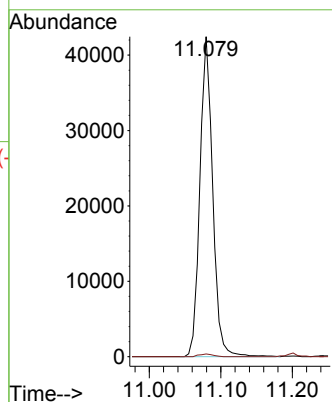
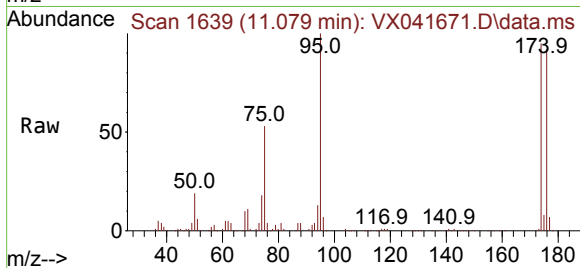
ClientSampleId :

Tgt Ion: 75 Resp: 52649

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.658 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041671.D

Acq: 29 May 2024 14:06

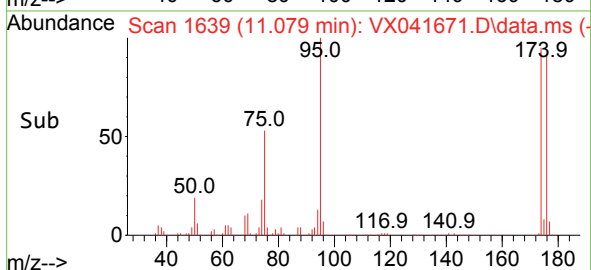
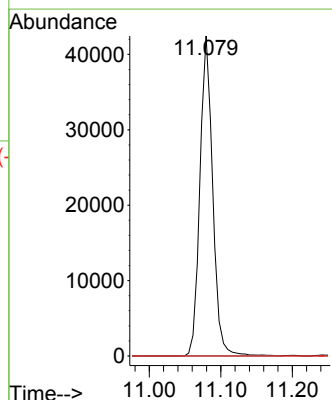
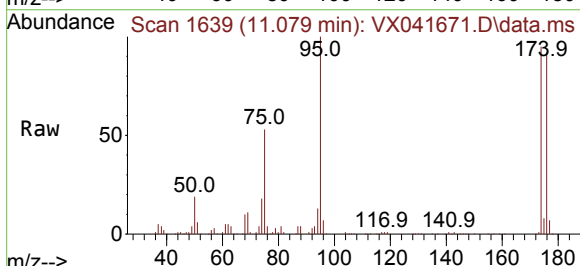
Tgt Ion: 75 Resp: 52649

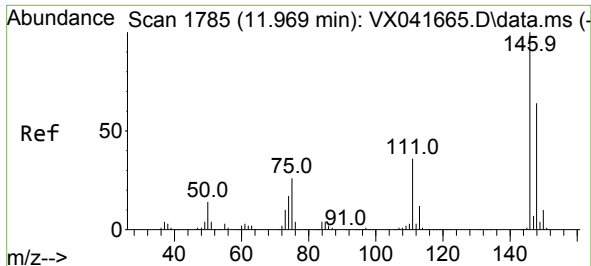
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.251 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

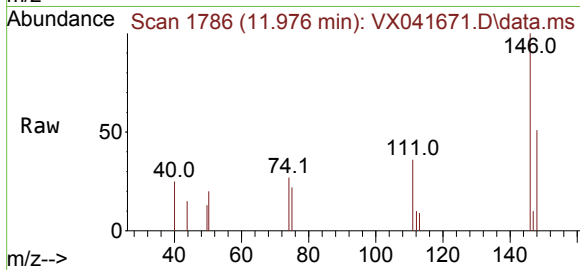
Lab File: VX041671.D

Acq: 29 May 2024 14:06

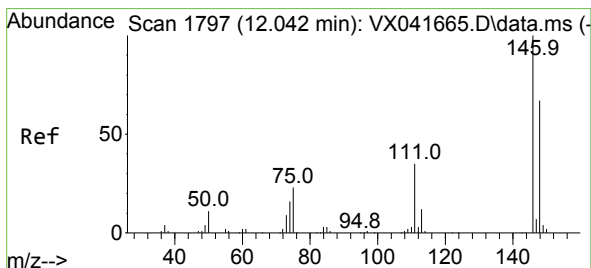
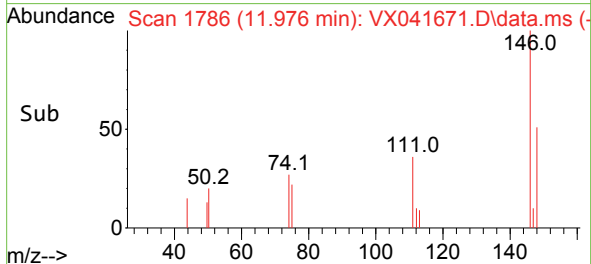
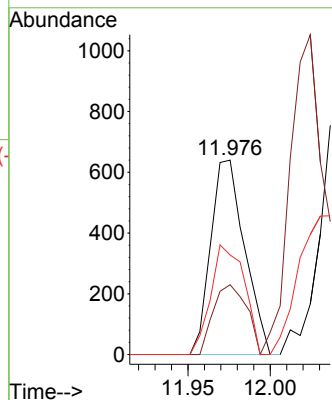
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:146	Resp:	917
Ion	Ratio	Lower Upper
146	100	
111	35.2	22.1 66.1
148	55.8	31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.244 ug/l

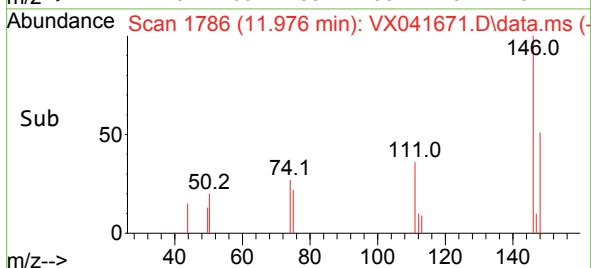
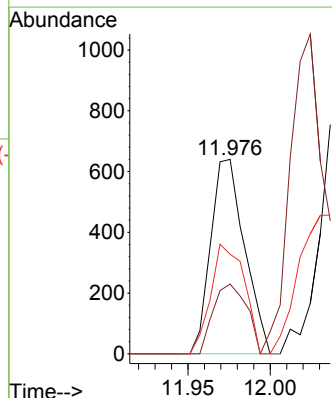
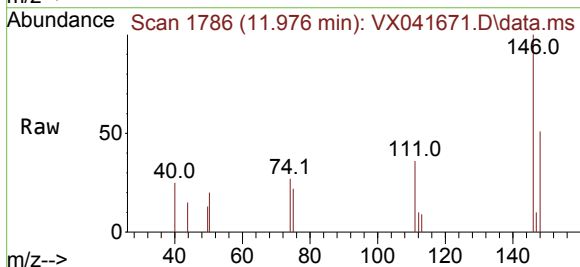
RT: 11.976 min Scan# 1786

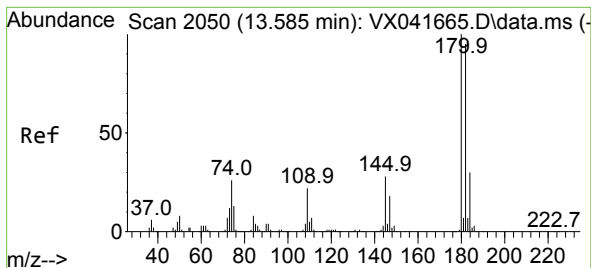
Delta R.T. -0.067 min

Lab File: VX041671.D

Acq: 29 May 2024 14:06

Tgt Ion:146	Resp:	917
Ion	Ratio	Lower Upper
146	100	
111	35.2	21.3 63.7
148	55.8	31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.436 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX041671.D

Acq: 29 May 2024 14:06

Instrument :

MSVOA_X

ClientSampleId :

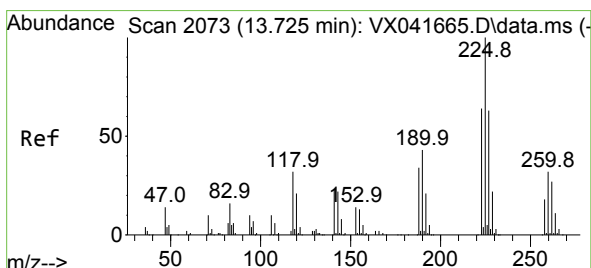
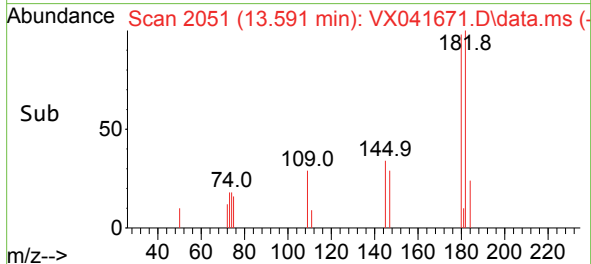
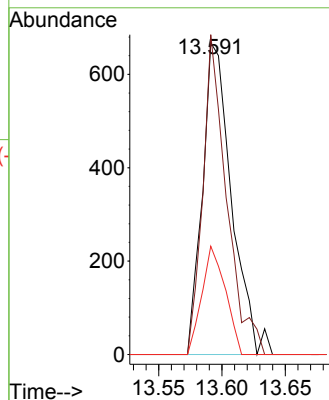
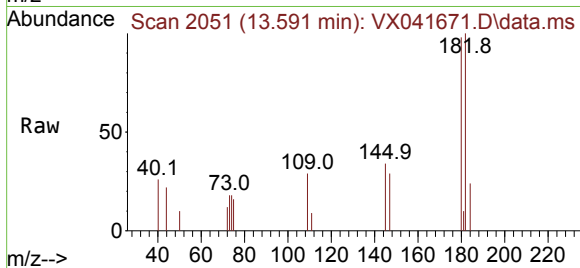
Tgt Ion:180 Resp: 1068

Ion Ratio Lower Upper

180 100

182 84.0 48.3 144.8

145 28.2 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.219 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX041671.D

Acq: 29 May 2024 14:06

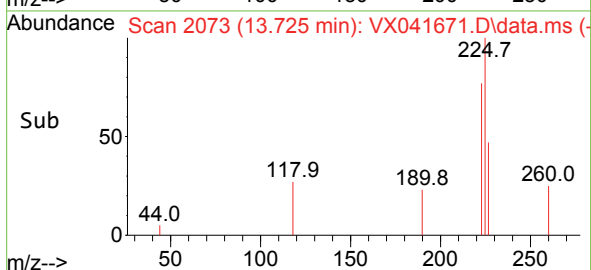
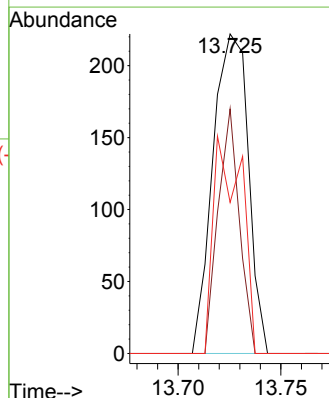
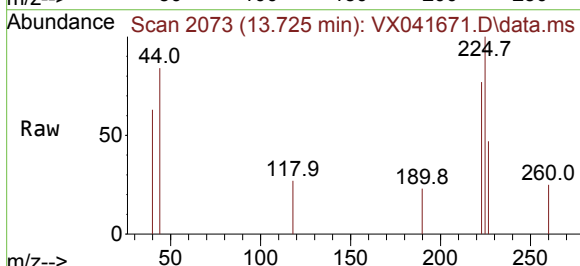
Tgt Ion:225 Resp: 266

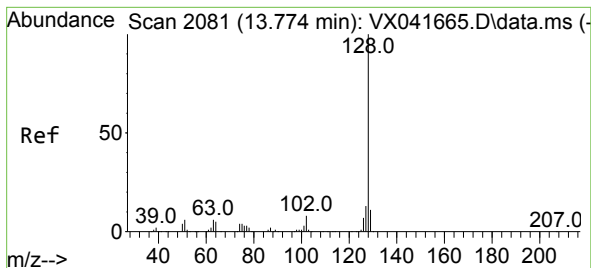
Ion Ratio Lower Upper

225 100

223 45.9 31.1 93.2

227 54.1 32.5 97.5





#95

Naphthalene

Concen: 0.545 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

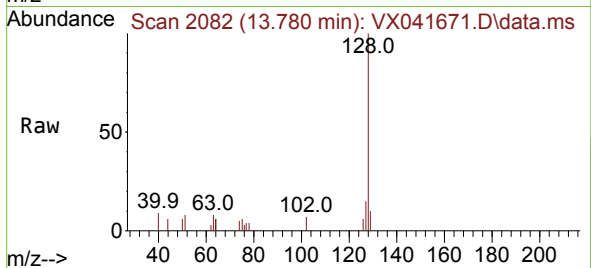
Lab File: VX041671.D

Acq: 29 May 2024 14:06

Instrument :

MSVOA_X

ClientSampleId :



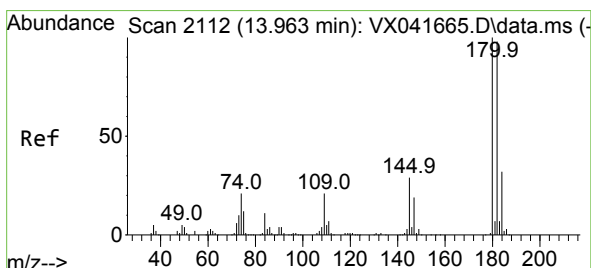
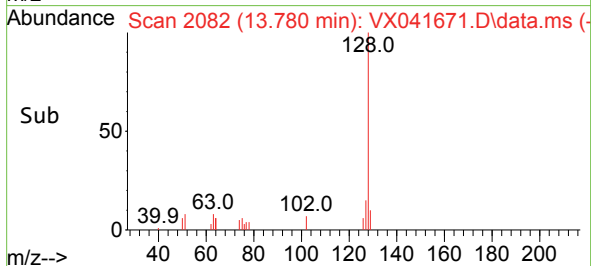
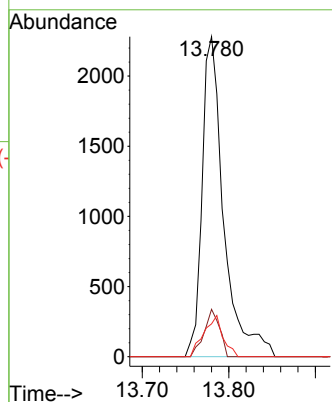
Tgt Ion:128 Resp: 3943

Ion Ratio Lower Upper

128 100

127 10.7 10.3 15.5

129 11.4 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.494 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX041671.D

Acq: 29 May 2024 14:06

Tgt Ion:180 Resp: 1246

Ion Ratio Lower Upper

180 100

182 86.4 46.9 140.6

145 24.6 17.8 53.5

