

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113023\
 Data File : VX039061.D
 Acq On : 30 Nov 2023 12:22
 Operator : JC/MD
 Sample : VX1130MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 01 01:55:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

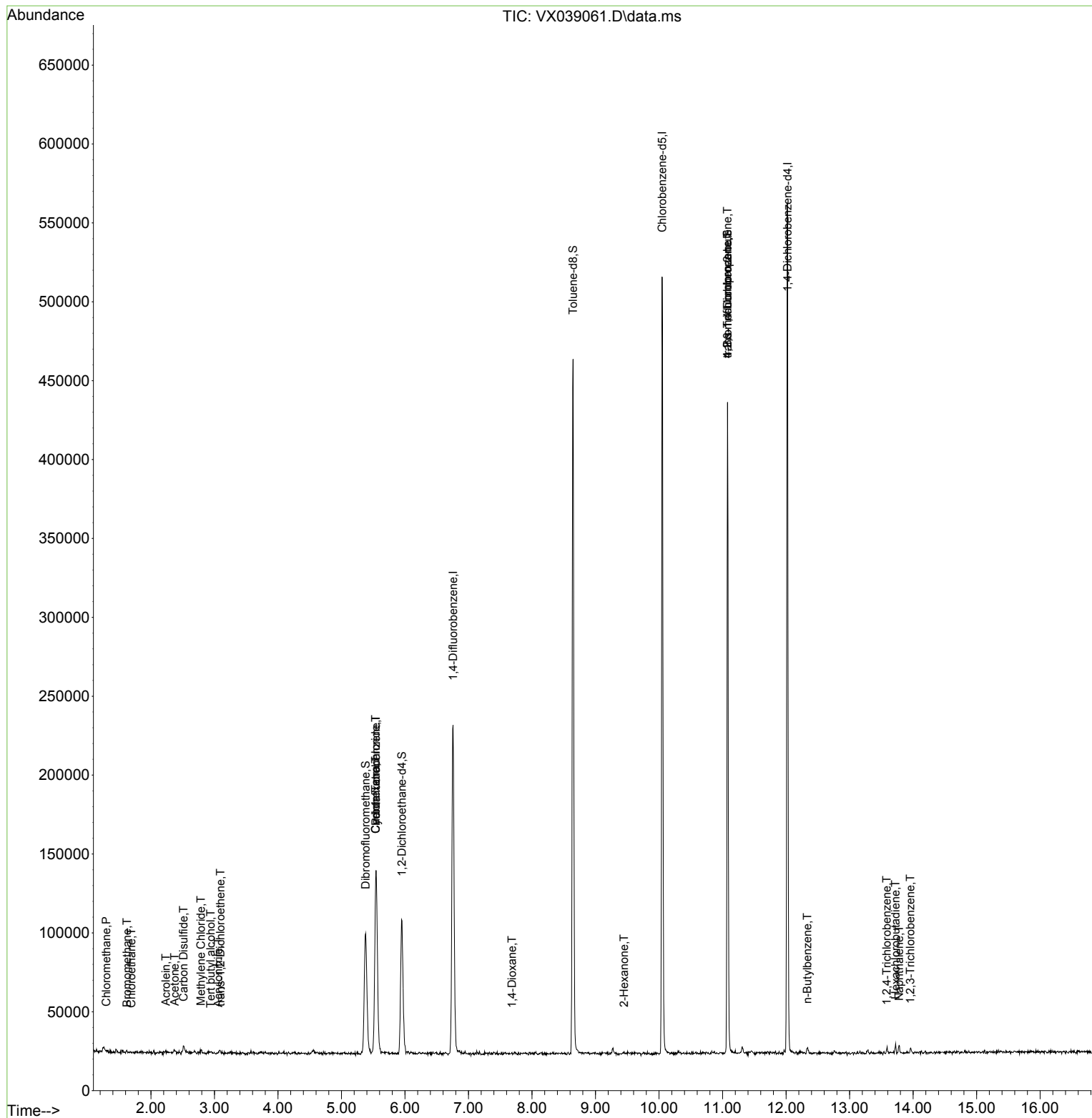
Internal Standards						
1) Pentafluorobenzene	5.544	168	107219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	215641	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	219443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78610	45.501	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.000%		
35) Dibromofluoromethane	5.379	113	68587	44.039	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.080%		
50) Toluene-d8	8.647	98	269298	45.194	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.380%#		
62) 4-Bromofluorobenzene	11.079	95	116692	48.921	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.840%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	509	0.312	ug/l	94
5) Bromomethane	1.624	94	161	0.248	ug/l #	77
6) Chloroethane	1.691	64	241	0.268	ug/l #	43
11) Tert butyl alcohol	2.941	59	339	0.705	ug/l #	95
13) Acrolein	2.233	56	130	0.511	ug/l #	14
15) Acrylonitrile	3.062	53	705	0.694	ug/l	99
16) Acetone	2.374	43	1676	1.822	ug/l	99
17) Carbon Disulfide	2.514	76	2474	0.598	ug/l #	95
20) Methylene Chloride	2.788	84	1034	0.624	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	402	0.273	ug/l #	68
31) Cyclohexane	5.538	56	2571	1.042	ug/l #	1
38) Carbon Tetrachloride	5.538	117	11534	5.591	ug/l #	14
49) 1,4-Dioxane	7.684	88	61	1.398	ug/l #	12
59) 2-Hexanone	9.452	43	715	0.300	ug/l	66
76) 1,2,3-Trichloropropane	11.079	75	60364	21.956	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	60364	48.701	ug/l #	5
89) n-Butylbenzene	12.335	91	1581	0.210	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	833	0.347	ug/l	95
94) Hexachlorobutadiene	13.725	225	748	0.880	ug/l	83
95) Naphthalene	13.780	128	3825	0.428	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.957	180	951	0.418	ug/l	97

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

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 01 01:55:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration

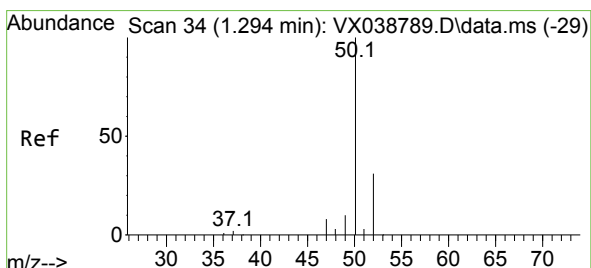
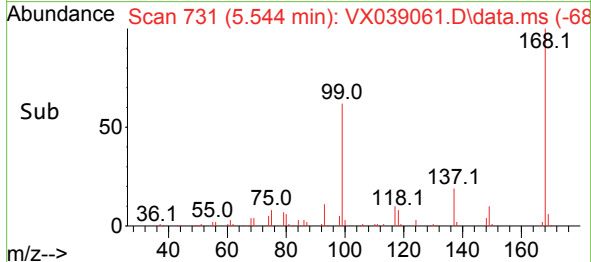
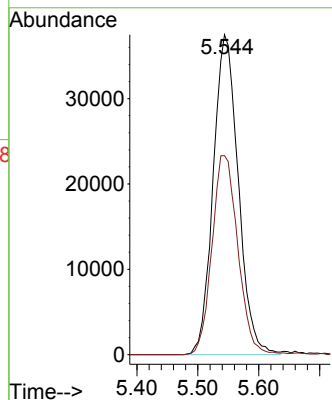
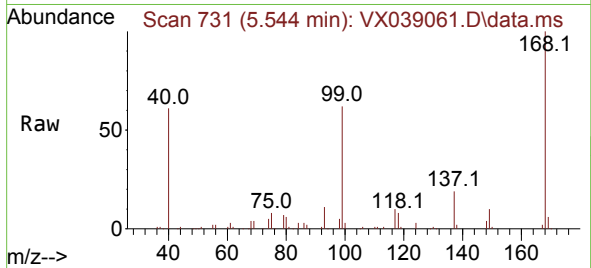




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

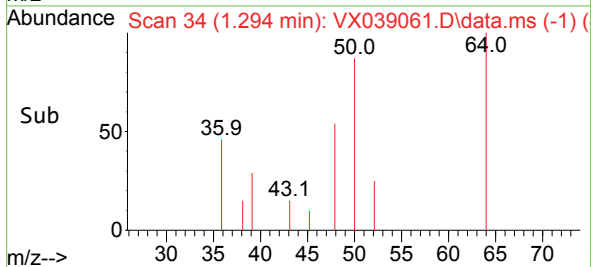
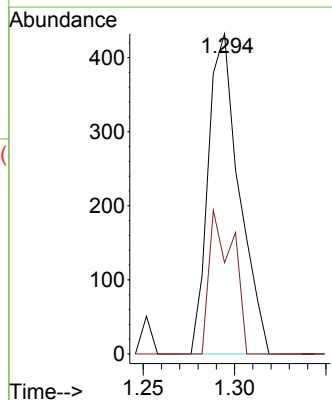
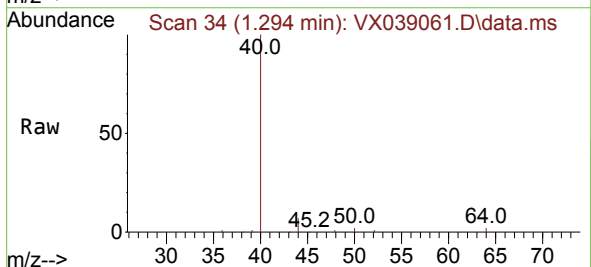
Instrument :
MSVOA_X
ClientSampleId :

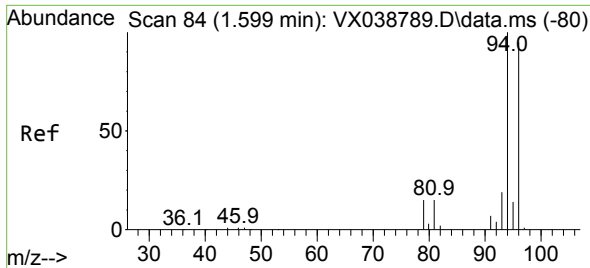
Tgt Ion:168 Resp: 107219
Ion Ratio Lower Upper
168 100
99 62.2 56.6 85.0



#3
Chloromethane
Concen: 0.312 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

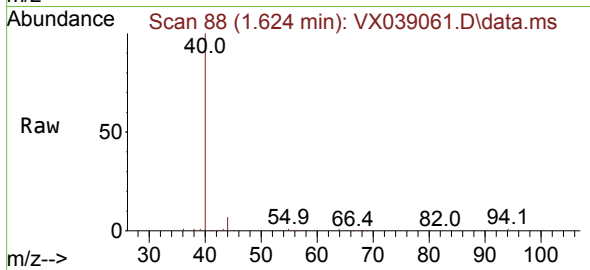
Tgt Ion: 50 Resp: 509
Ion Ratio Lower Upper
50 100
52 28.5 25.5 38.3



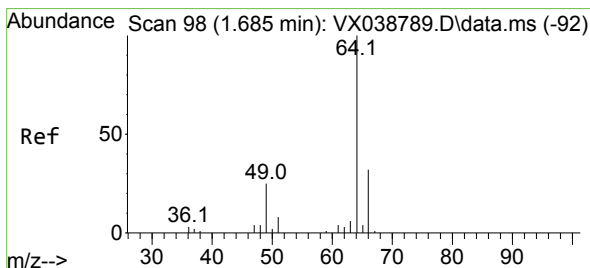
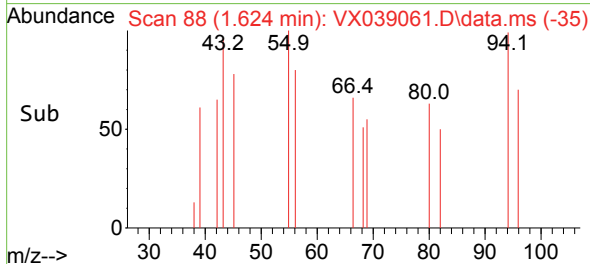
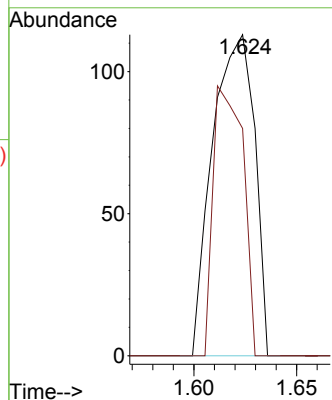


#5
Bromomethane
Concen: 0.248 ug/l
RT: 1.624 min Scan# 84
Delta R.T. 0.025 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

Instrument :
MSVOA_X
ClientSampleId :

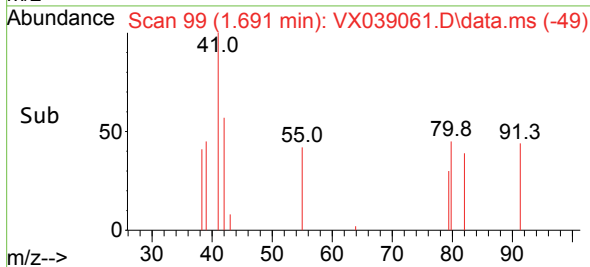
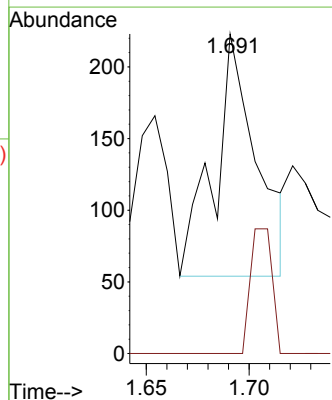
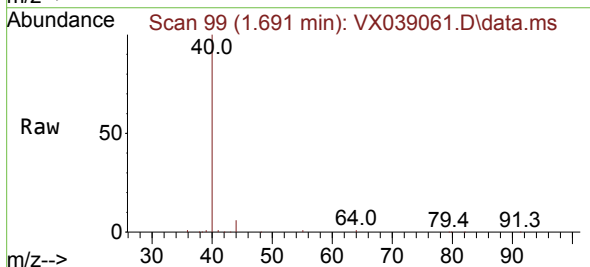


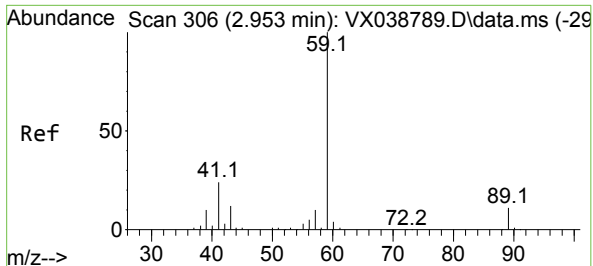
Tgt Ion: 94 Resp: 161
Ion Ratio Lower Upper
94 100
96 70.8 74.6 111.8#



#6
Chloroethane
Concen: 0.268 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

Tgt Ion: 64 Resp: 241
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.705 ug/l

RT: 2.941 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

Instrument :

MSVOA_X

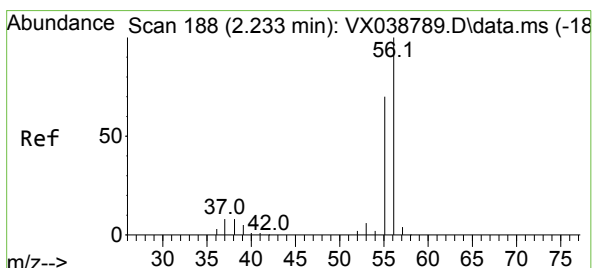
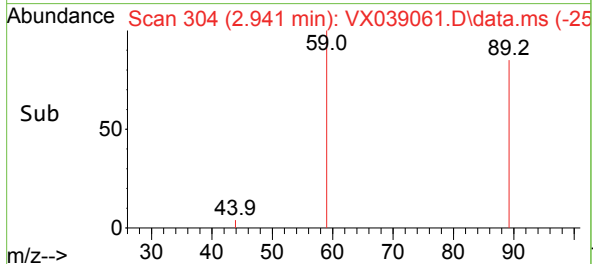
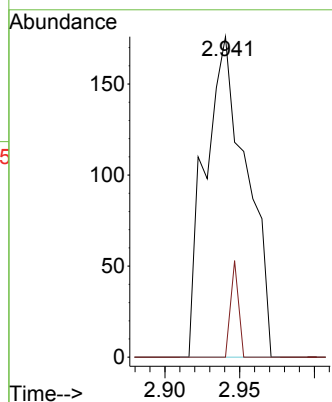
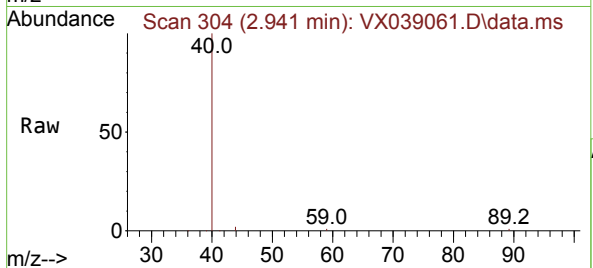
ClientSampleId :

Tgt Ion: 59 Resp: 339

Ion Ratio Lower Upper

59 100

57 5.6 6.0 9.0#



#13

Acrolein

Concen: 0.511 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX039061.D

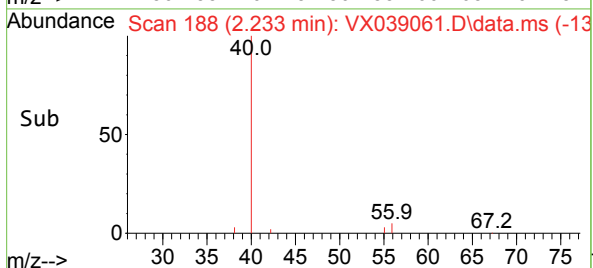
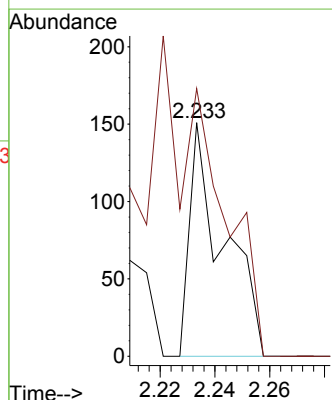
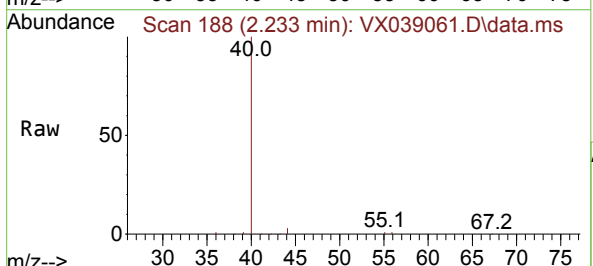
Acq: 30 Nov 2023 12:22

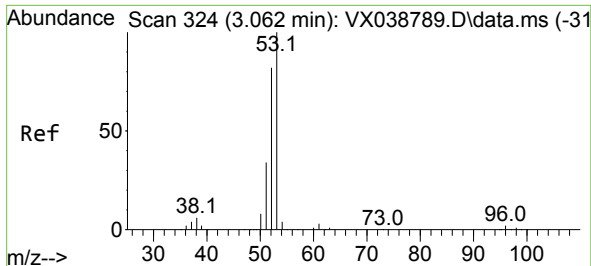
Tgt Ion: 56 Resp: 130

Ion Ratio Lower Upper

56 100

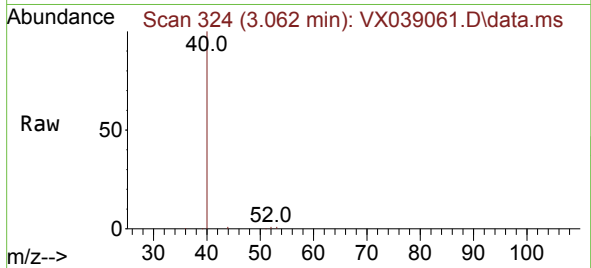
55 0.0 57.1 85.7#



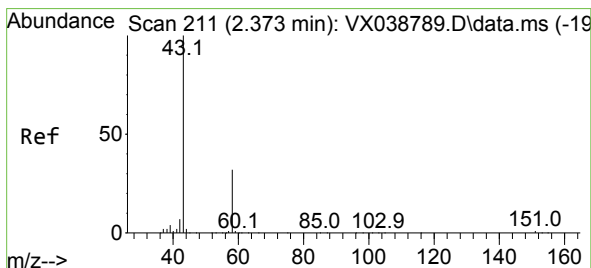
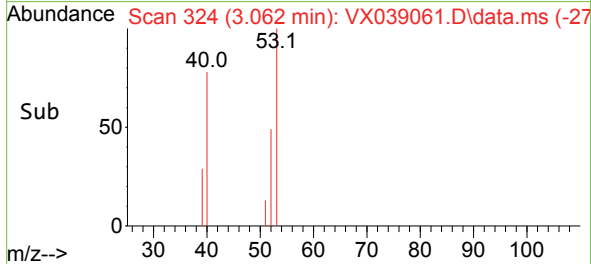
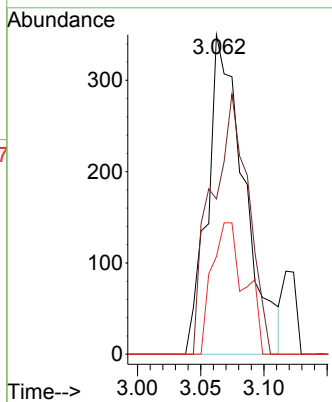


#15
Acrylonitrile
Concen: 0.694 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

Instrument :
MSVOA_X
ClientSampleId :

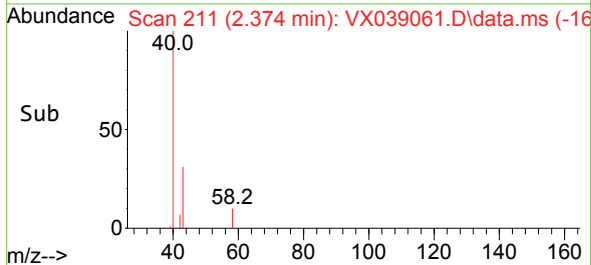
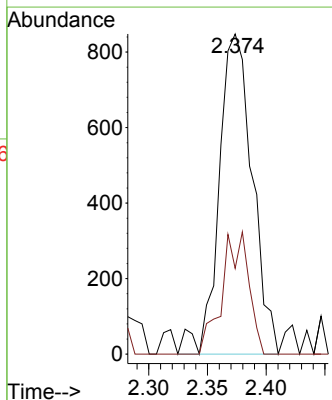
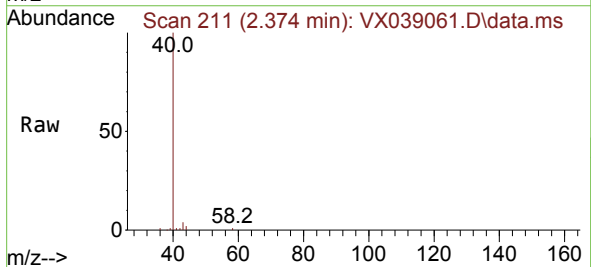


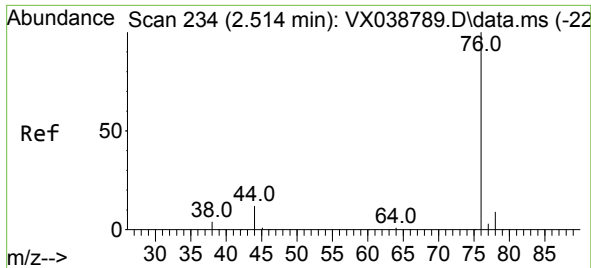
Tgt Ion: 53 Resp: 705
Ion Ratio Lower Upper
53 100
52 81.4 66.0 99.0
51 36.7 29.8 44.6



#16
Acetone
Concen: 1.822 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
58 26.8 21.9 32.9





#17

Carbon Disulfide

Concen: 0.598 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.000 min

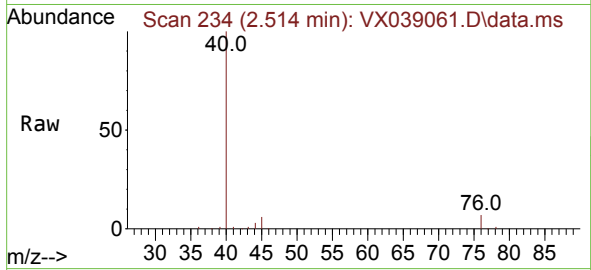
Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

Instrument :

MSVOA_X

ClientSampleId :

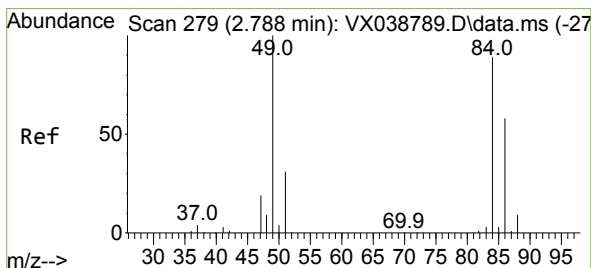
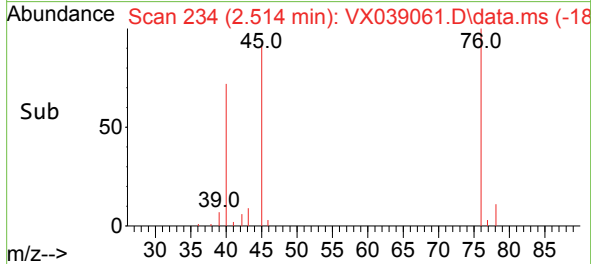
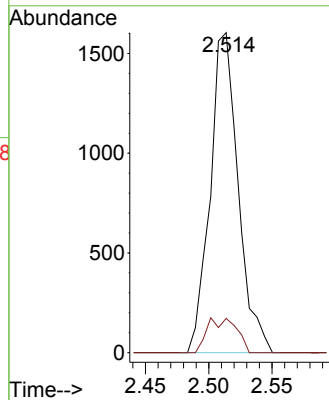


Tgt Ion: 76 Resp: 2474

Ion Ratio Lower Upper

76 100

78 10.7 7.0 10.6#



#20

Methylene Chloride

Concen: 0.624 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

Tgt Ion: 84 Resp: 1034

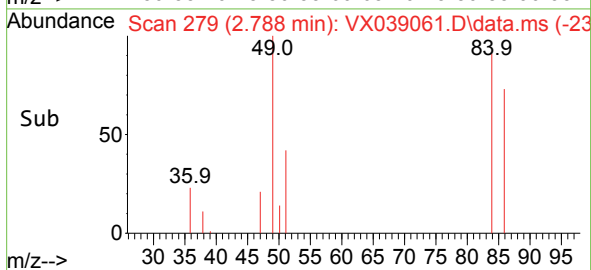
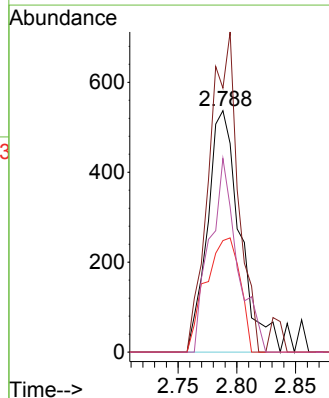
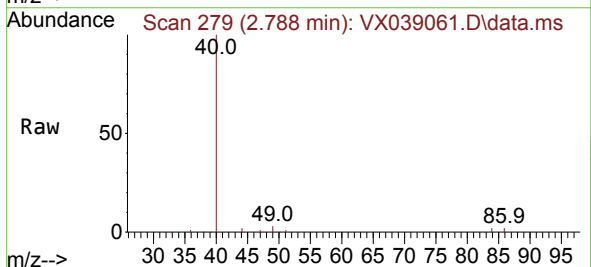
Ion Ratio Lower Upper

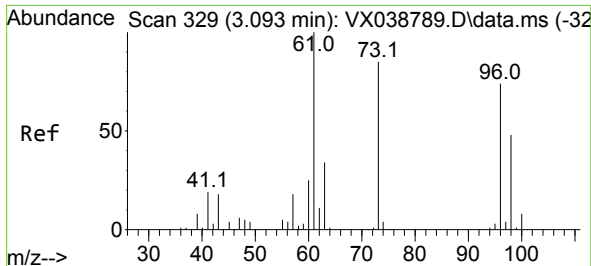
84 100

49 109.3 103.6 155.4

51 46.2 33.8 50.6

86 80.3 49.4 74.0#

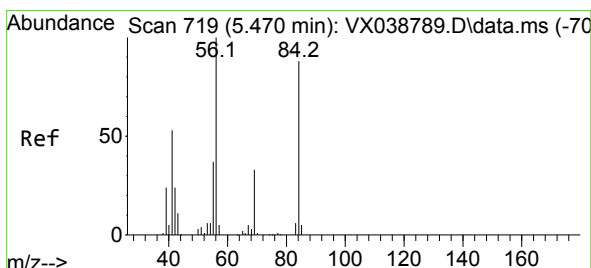
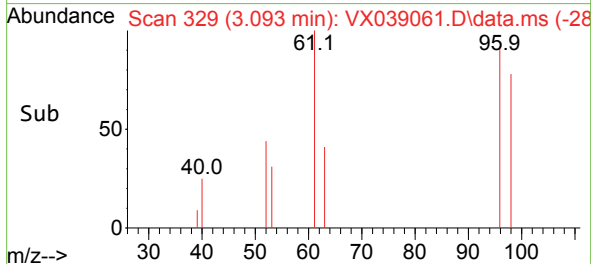
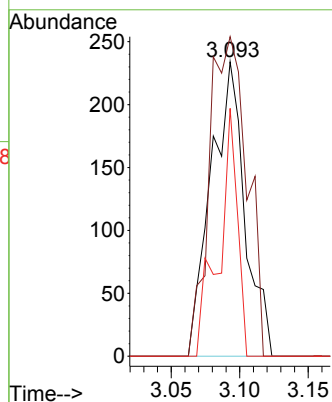
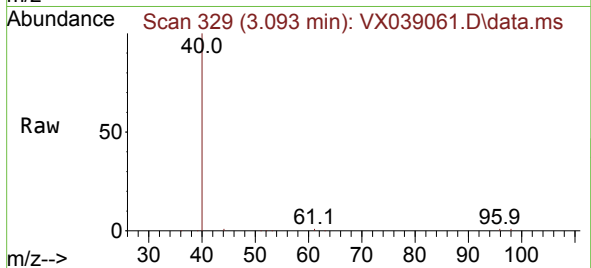




#21
trans-1,2-Dichloroethene
Concen: 0.273 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

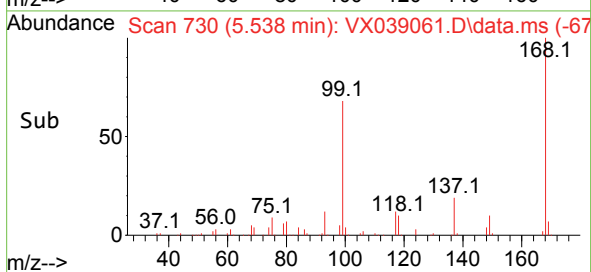
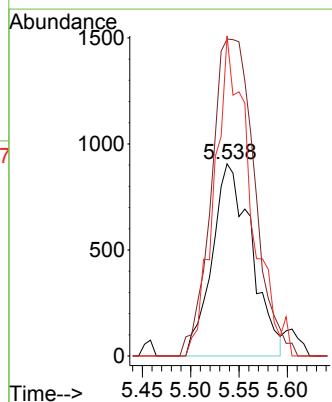
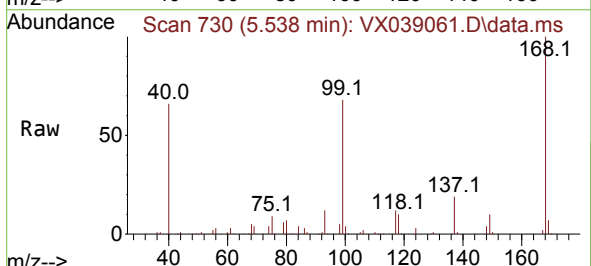
Instrument :
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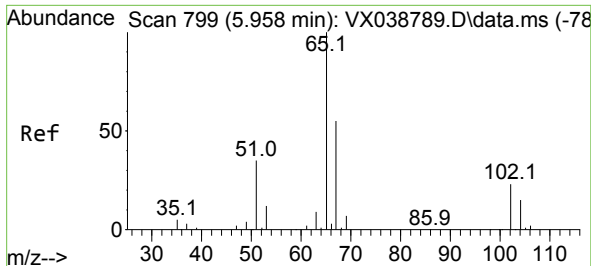
Tgt Ion: 96 Resp: 402
Ion Ratio Lower Upper
96 100
61 108.5 119.2 178.8#
98 84.2 48.7 73.1#



#31
Cyclohexane
Concen: 1.042 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.067 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

Tgt Ion: 56 Resp: 2571
Ion Ratio Lower Upper
56 100
69 165.0 23.4 35.2#
84 166.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.501 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

Instrument :

MSVOA_X

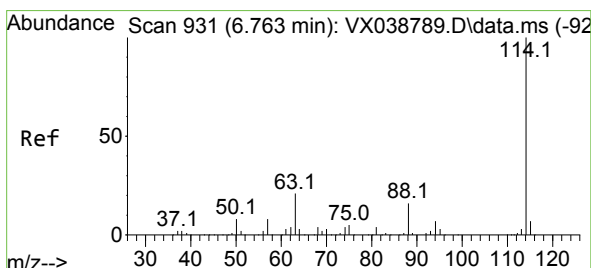
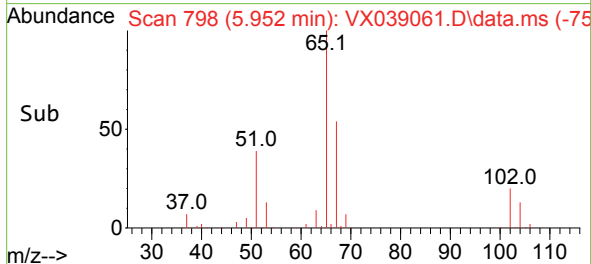
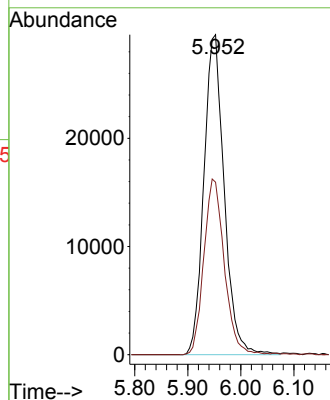
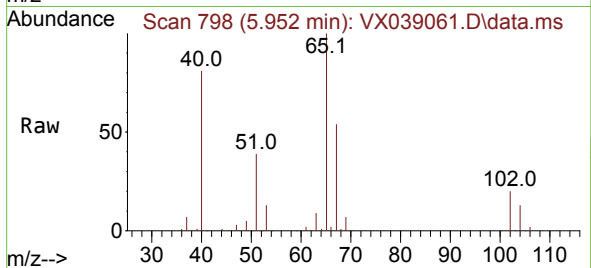
ClientSampleId :

Tgt Ion: 65 Resp: 78610

Ion Ratio Lower Upper

65 100

67 55.4 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: VX039061.D

Acq: 30 Nov 2023 12:22

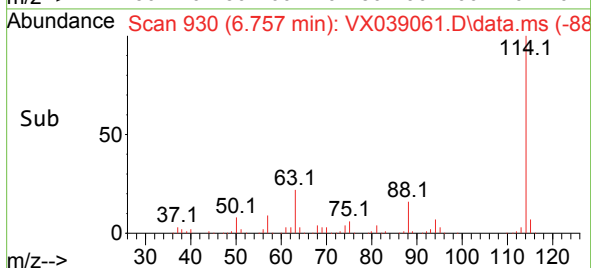
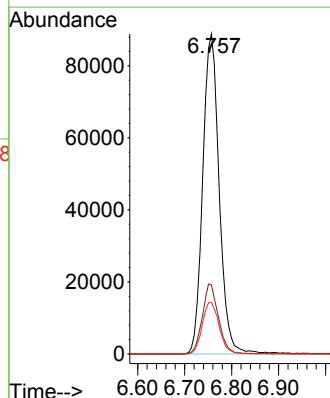
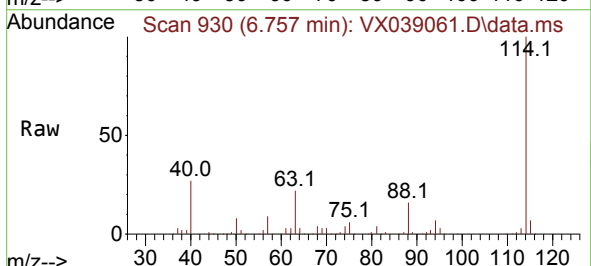
Tgt Ion: 114 Resp: 215641

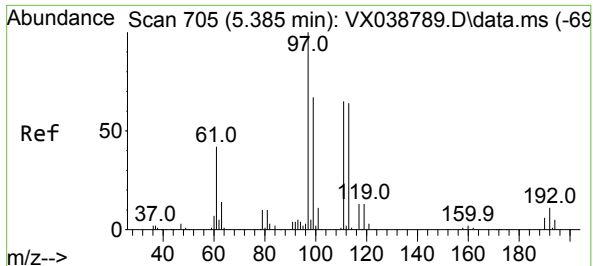
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.0

88 16.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.039 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

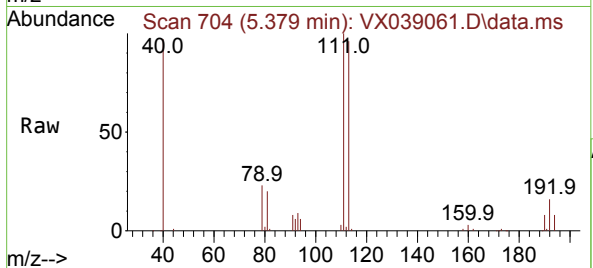
Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

Instrument :

MSVOA_X

ClientSampleId :



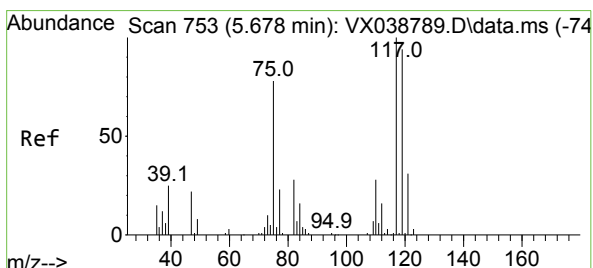
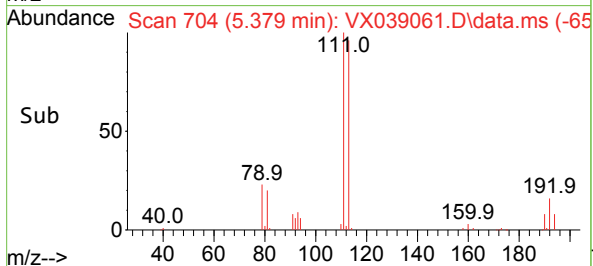
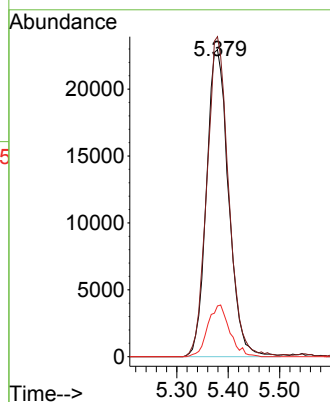
Tgt Ion:113 Resp: 68587

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

192 16.7 13.3 19.9



#38

Carbon Tetrachloride

Concen: 5.591 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.140 min

Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

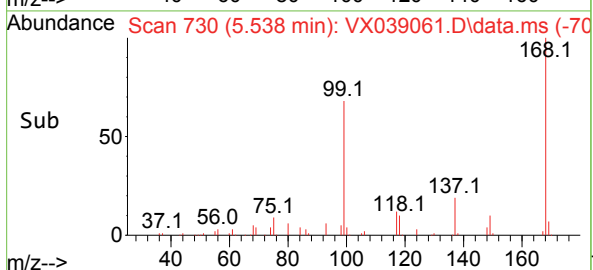
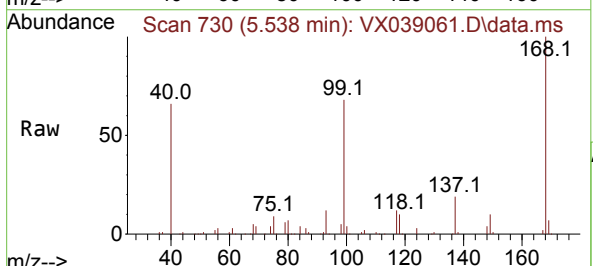
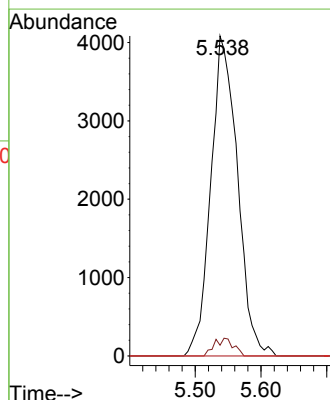
Tgt Ion:117 Resp: 11534

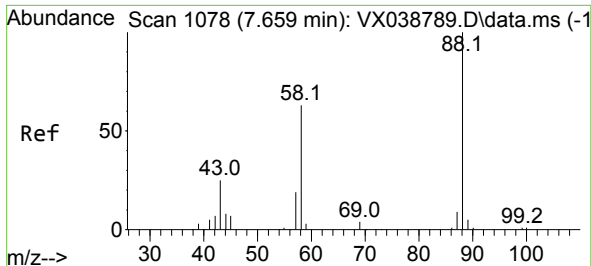
Ion Ratio Lower Upper

117 100

119 3.3 78.2 117.2#

121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 1.398 ug/l

RT: 7.684 min Scan# 1078

Delta R.T. 0.024 min

Lab File: VX039061.D

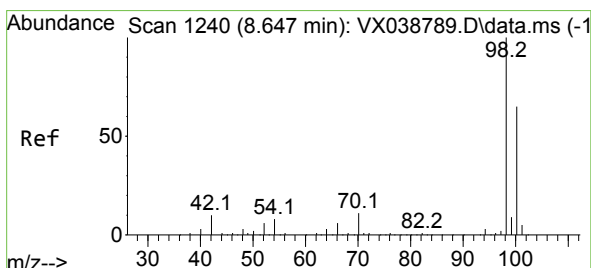
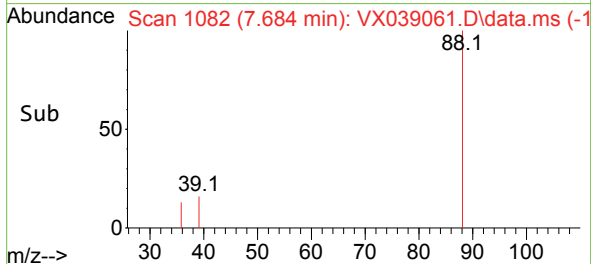
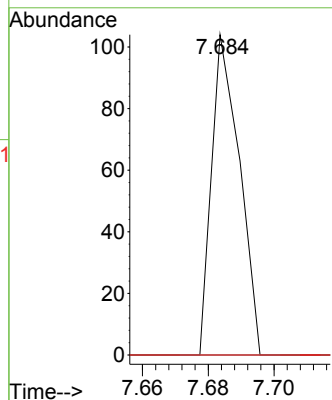
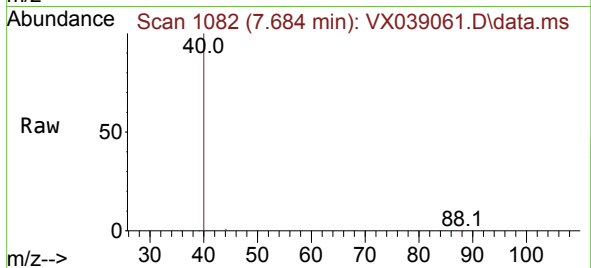
Acq: 30 Nov 2023 12:22

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88	Resp: 61
Ion Ratio	Lower Upper
88 100	
43 0.0	0.0 0.0
58 0.0	60.1 90.1#



#50

Toluene-d8

Concen: 45.194 ug/l

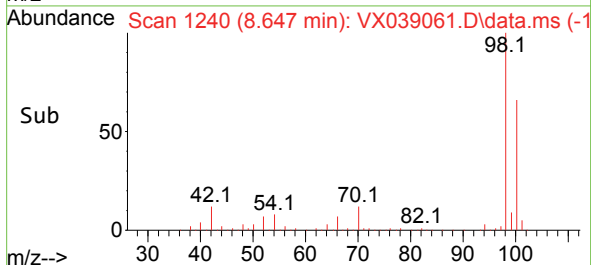
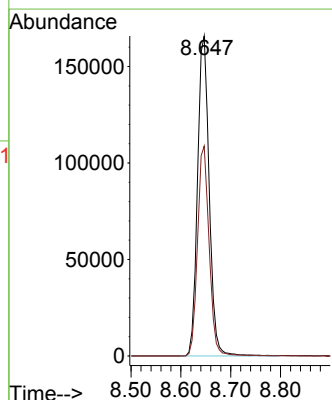
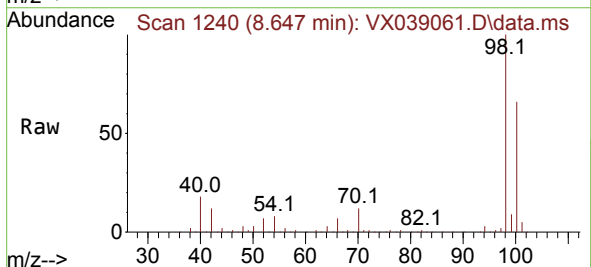
RT: 8.647 min Scan# 1240

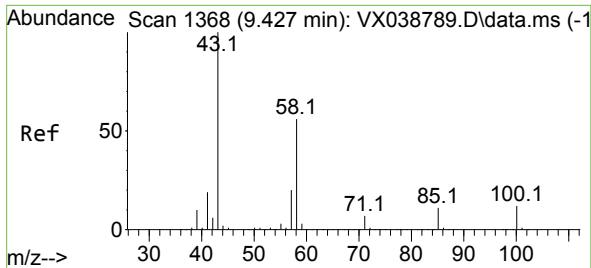
Delta R.T. 0.000 min

Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

Tgt Ion: 98	Resp: 269298
Ion Ratio	Lower Upper
98 100	
100 64.9	53.1 79.7

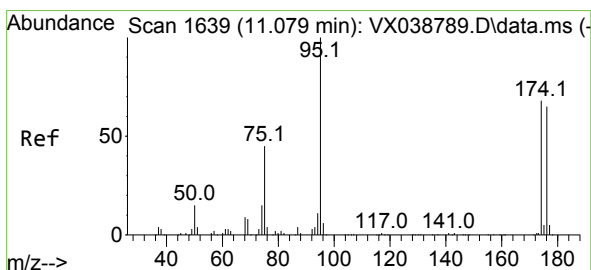
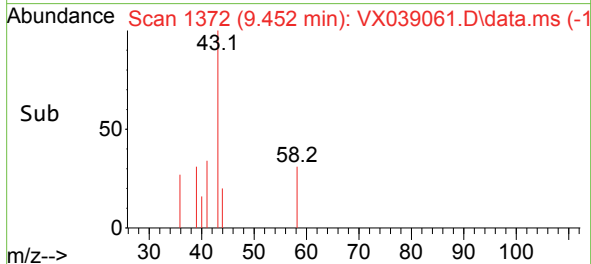
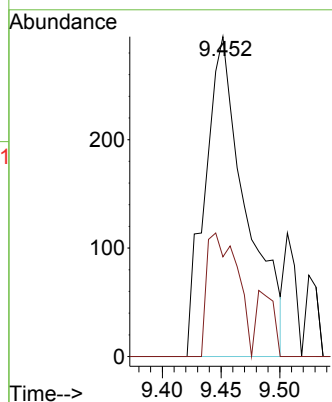
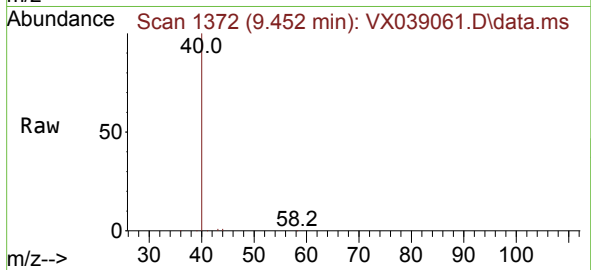




#59
2-Hexanone
Concen: 0.300 ug/l
RT: 9.452 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

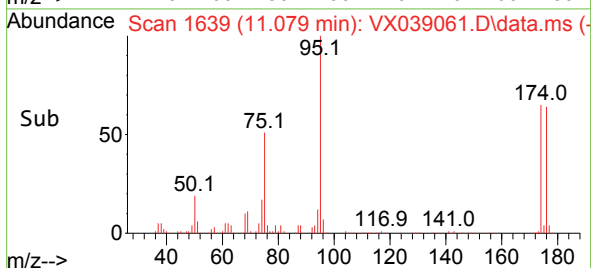
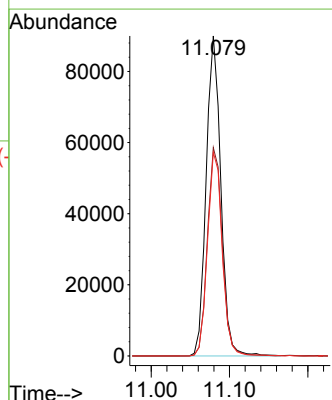
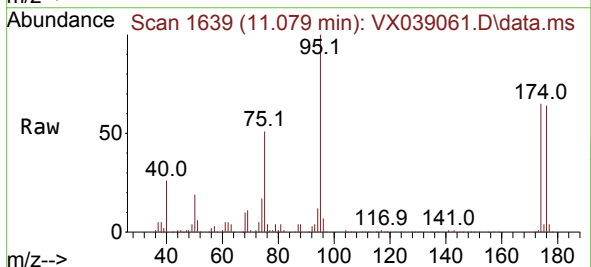
Instrument :
MSVOA_X
ClientSampleId :

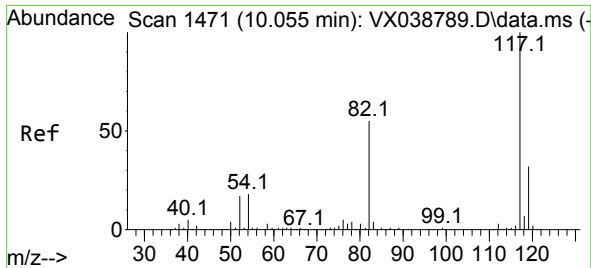
Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
58 28.4 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 48.921 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

Tgt Ion: 95 Resp: 116692
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.6
176 63.9 0.0 131.0

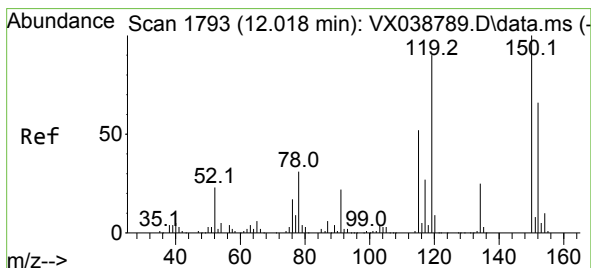
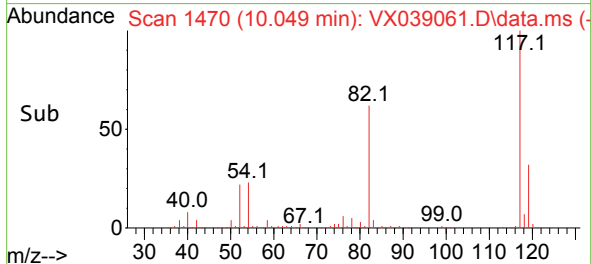
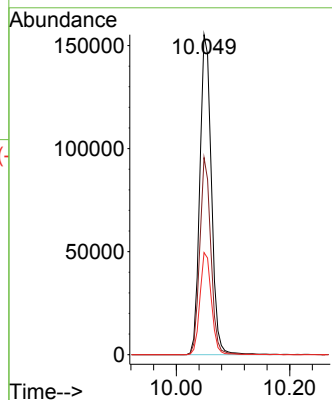
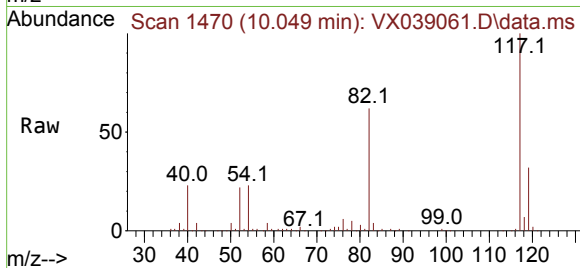




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

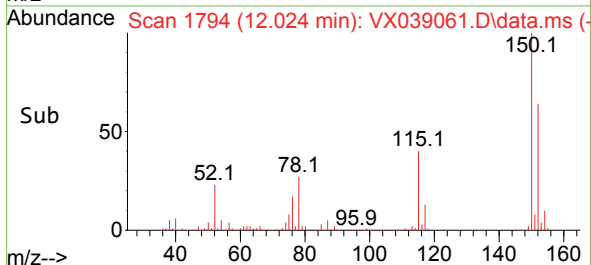
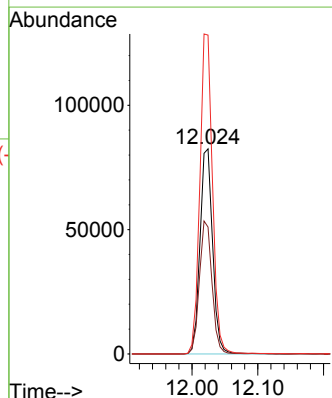
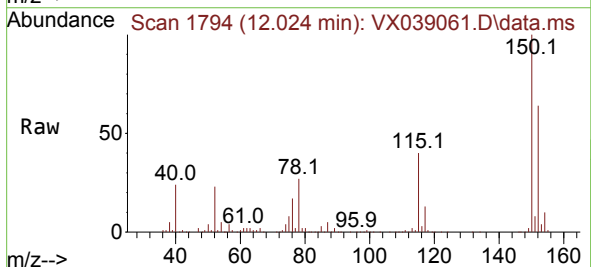
Instrument :
MSVOA_X
ClientSampleId :

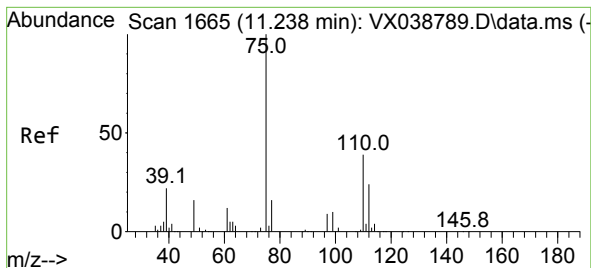
Tgt Ion:117 Resp: 219443
Ion Ratio Lower Upper
117 100
82 61.6 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039061.D
Acq: 30 Nov 2023 12:22

Tgt Ion:152 Resp: 110192
Ion Ratio Lower Upper
152 100
115 64.5 43.3 129.9
150 156.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.956 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

Instrument :

MSVOA_X

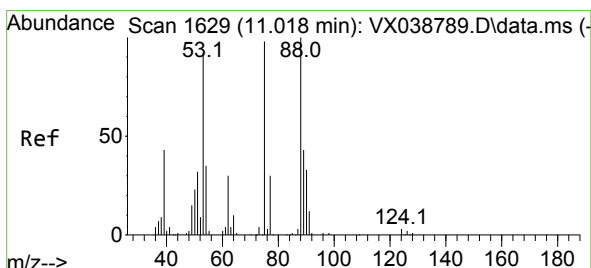
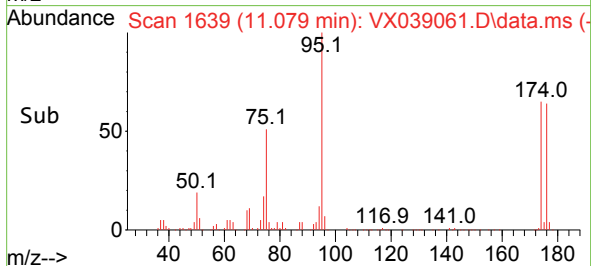
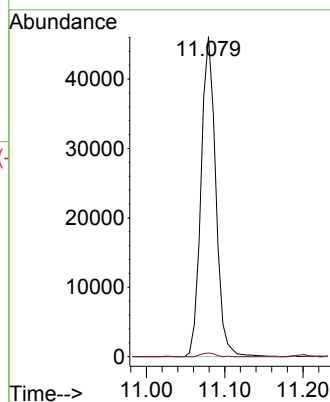
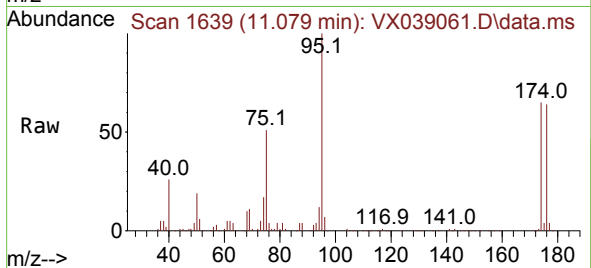
ClientSampleId :

Tgt Ion: 75 Resp: 60364

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 48.701 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

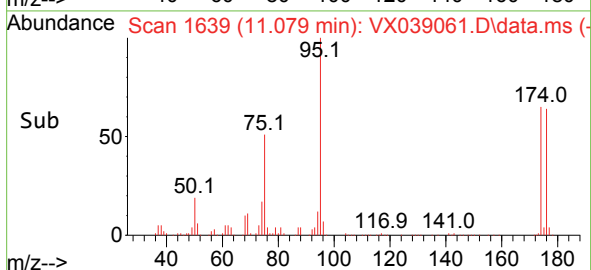
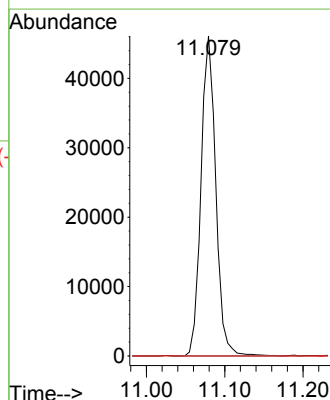
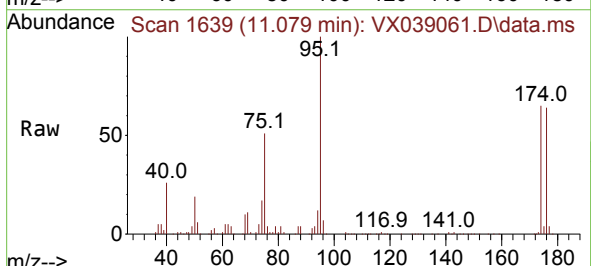
Tgt Ion: 75 Resp: 60364

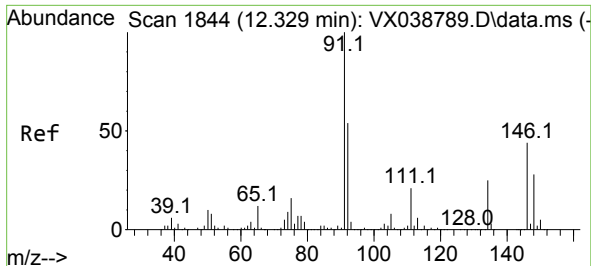
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.210 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

Instrument :

MSVOA_X

ClientSampleId :

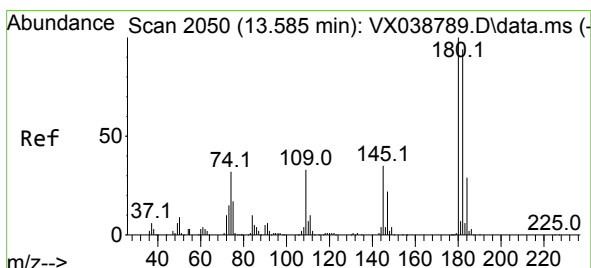
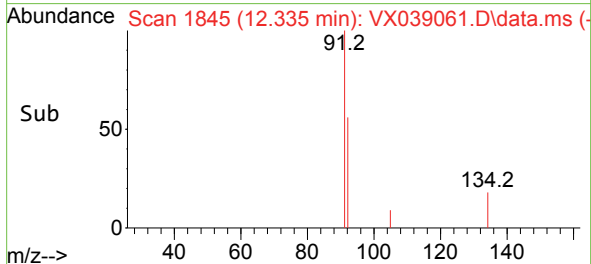
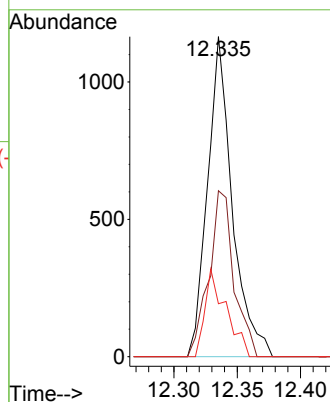
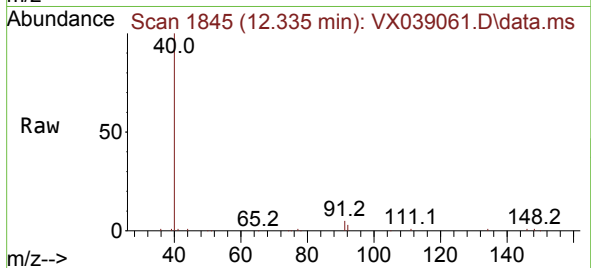
Tgt Ion: 91 Resp: 1581

Ion Ratio Lower Upper

91 100

92 52.4 27.4 82.0

134 23.3 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.347 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

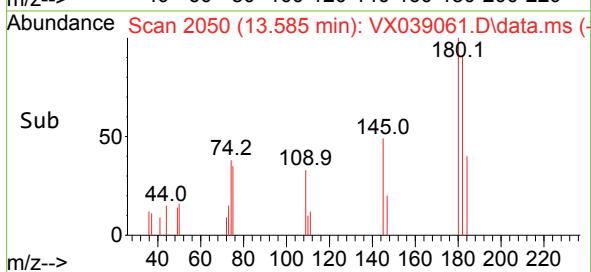
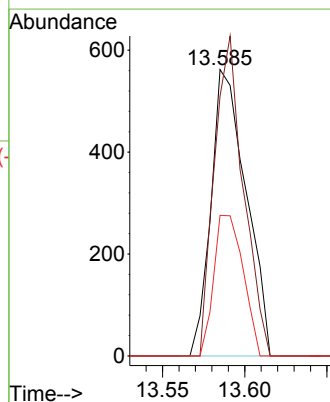
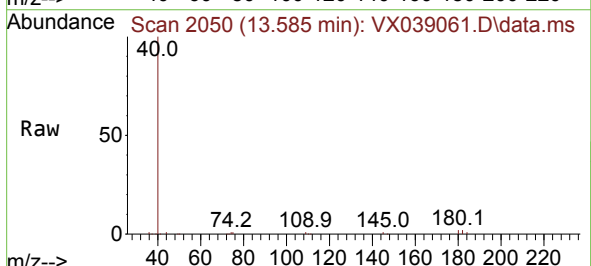
Tgt Ion: 180 Resp: 833

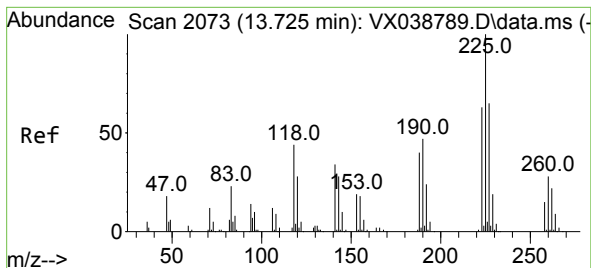
Ion Ratio Lower Upper

180 100

182 92.6 48.3 144.8

145 41.1 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.880 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

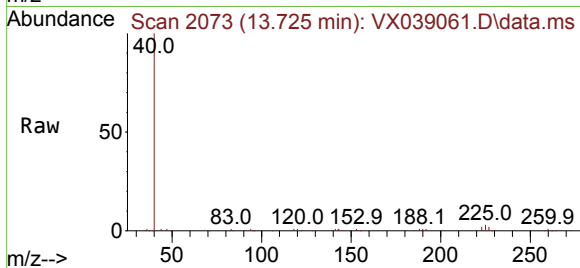
Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

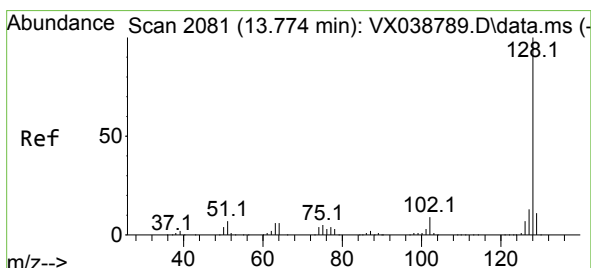
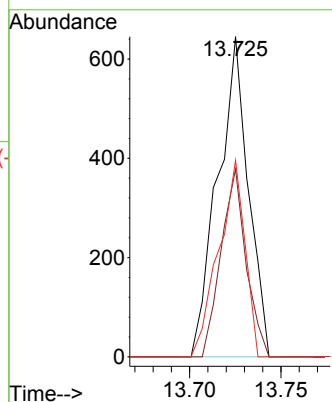
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	225	Resp:	748
Ion Ratio	Lower	Upper	
225	100		
223	48.3	31.1	93.2
227	52.9	32.5	97.5



#95

Naphthalene

Concen: 0.428 ug/l

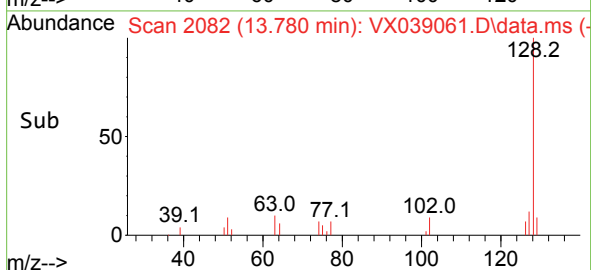
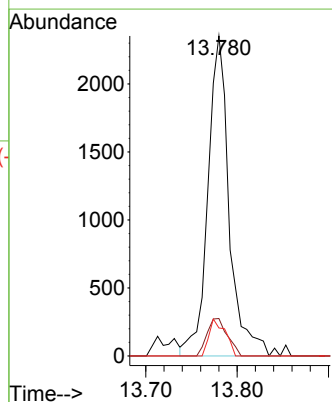
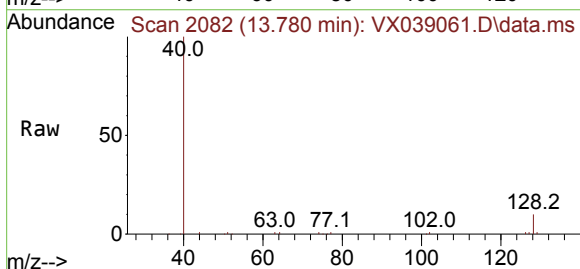
RT: 13.780 min Scan# 2082

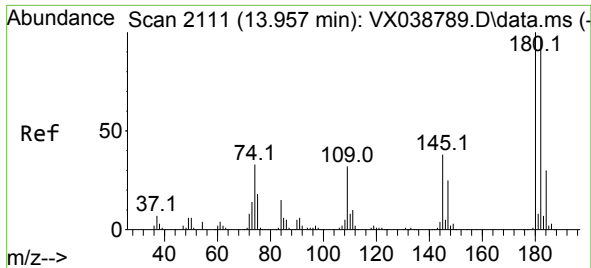
Delta R.T. 0.006 min

Lab File: VX039061.D

Acq: 30 Nov 2023 12:22

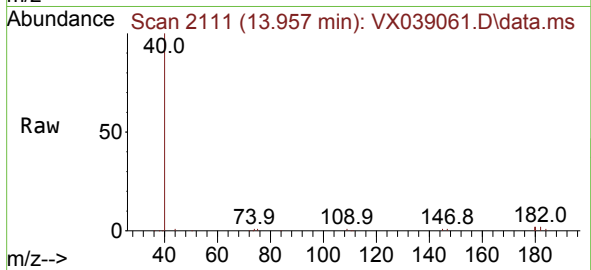
Tgt Ion:	128	Resp:	3825
Ion Ratio	Lower	Upper	
128	100		
127	11.1	10.3	15.5
129	8.7	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.418 ug/l
 RT: 13.957 min Scan# 2111
 Delta R.T. 0.000 min
 Lab File: VX039061.D
 Acq: 30 Nov 2023 12:22

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	951
Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.9	140.6
145	32.0	17.8	53.5

