

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045128.D
 Acq On : 05 Mar 2025 09:39
 Operator : JC/MD
 Sample : VX0305MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305MBL01

Quant Time: Mar 06 00:59:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

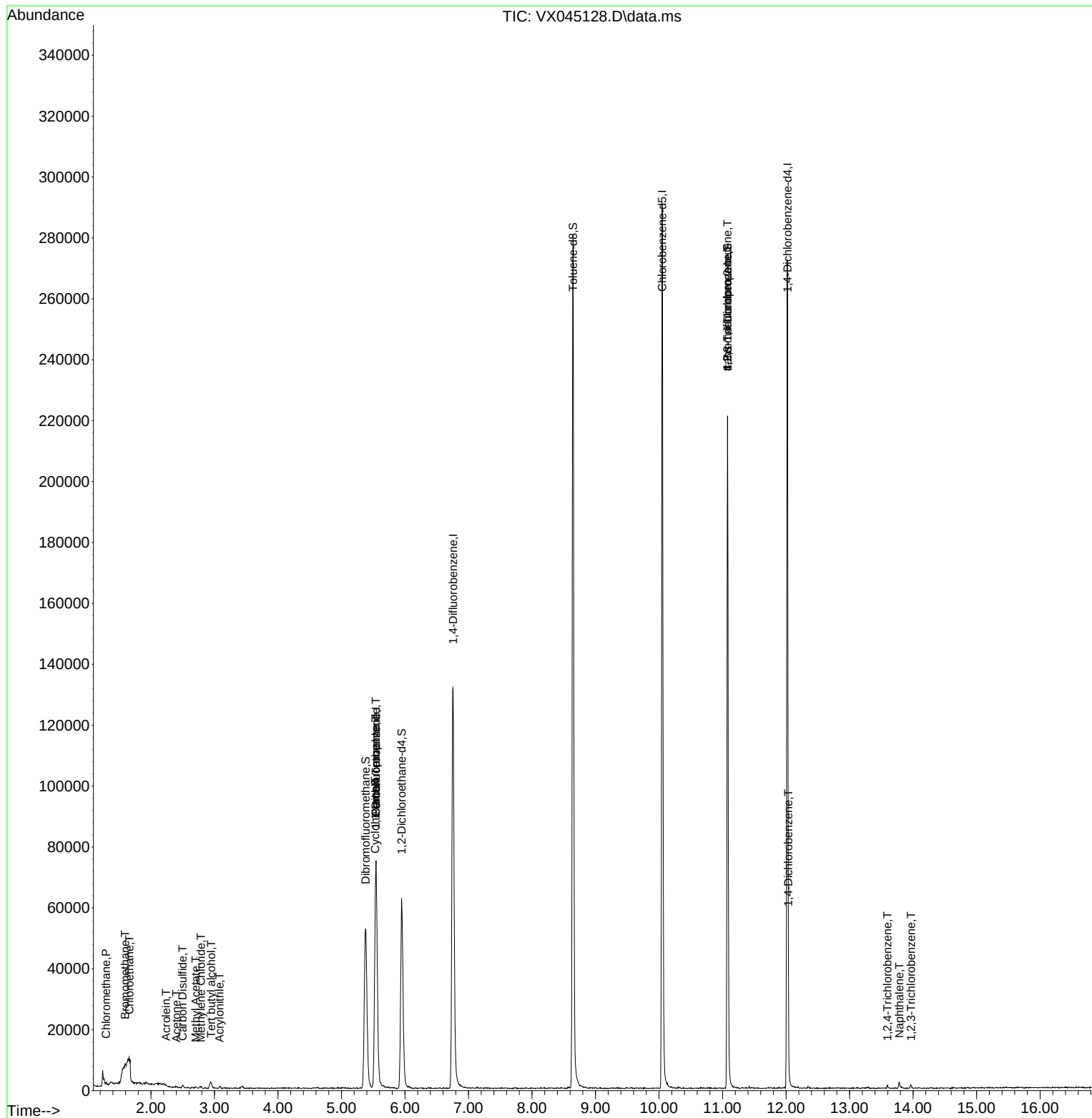
Internal Standards						
1) Pentafluorobenzene	5.544	168	68268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138238	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	57330	52.795	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.580%	
35) Dibromofluoromethane	5.379	113	46980	50.824	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.640%	
50) Toluene-d8	8.647	98	172066	51.346	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.700%	
62) 4-Bromofluorobenzene	11.079	95	58162	52.376	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	232	0.221	ug/l #	43
5) Bromomethane	1.593	94	222	0.541	ug/l #	55
6) Chloroethane	1.660	64	206	0.428	ug/l #	41
11) Tert butyl alcohol	2.946	59	1374	6.680	ug/l #	73
13) Acrolein	2.239	56	155	0.652	ug/l #	5
15) Acrylonitrile	3.081	53	215	0.390	ug/l #	66
16) Acetone	2.398	43	455	0.903	ug/l #	44
17) Carbon Disulfide	2.495	76	1138	0.509	ug/l #	77
18) Methyl Acetate	2.703	43	452	0.373	ug/l #	54
20) Methylene Chloride	2.788	84	280	0.281	ug/l #	73
31) Cyclohexane	5.531	56	1877	1.270	ug/l #	42
36) 1,1-Dichloropropene	5.537	75	6057	4.778	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7448	5.787	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	31873	25.043	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31873	85.702	ug/l #	6
88) 1,4-Dichlorobenzene	12.036	146	427	0.235	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	341	0.332	ug/l	74
95) Naphthalene	13.786	128	2248	0.570	ug/l #	89
96) 1,2,3-Trichlorobenzene	13.969	180	376	0.347	ug/l	85

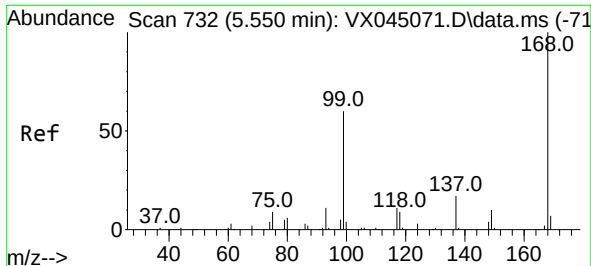
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 06 00:59:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

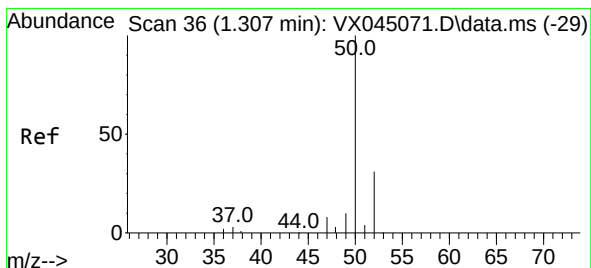
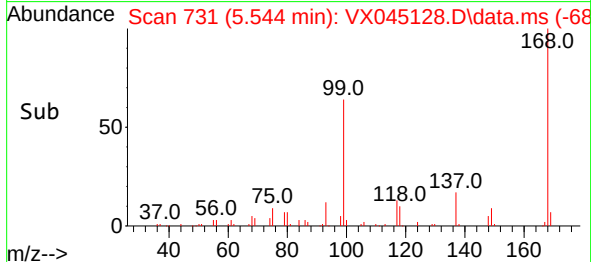
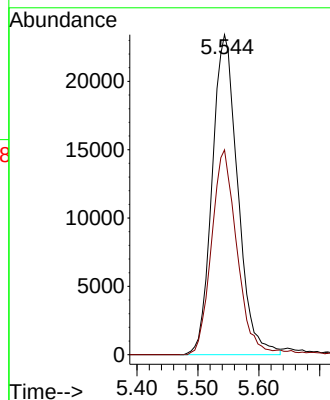
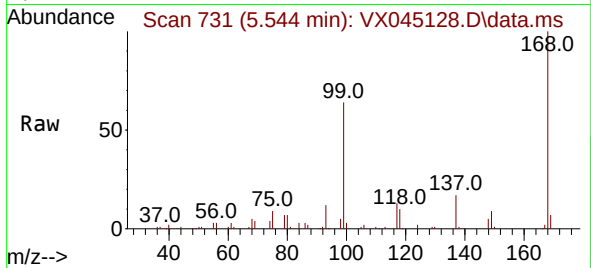




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

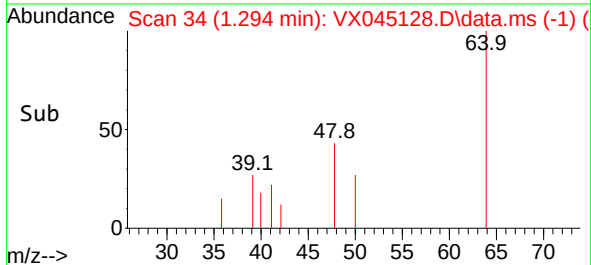
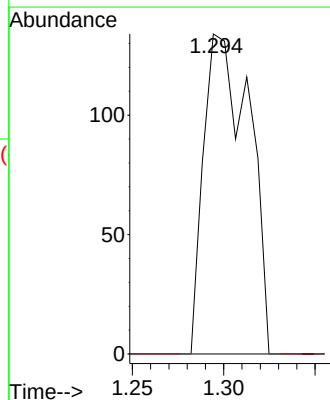
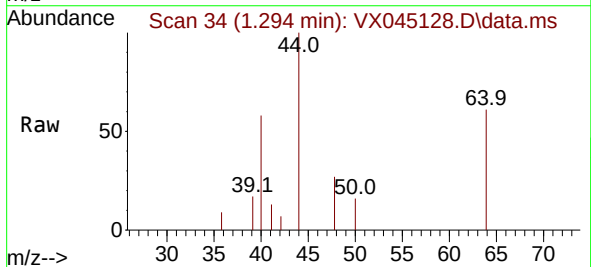
Instrument :
MSVOA_X
ClientSampleId :
VX0305MBL01

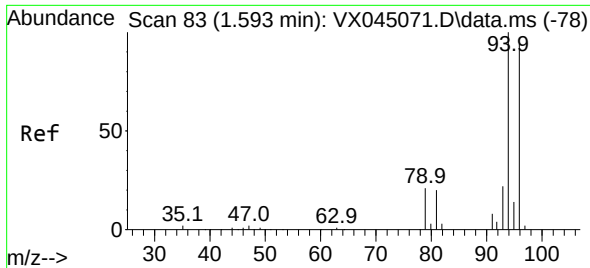
Tgt Ion:168 Resp: 68268
Ion Ratio Lower Upper
168 100
99 64.0 48.2 72.4



#3
Chloromethane
Concen: 0.221 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

Tgt Ion: 50 Resp: 232
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

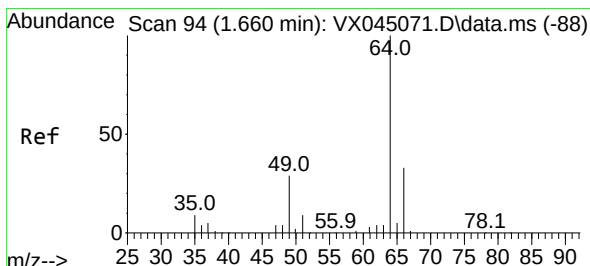
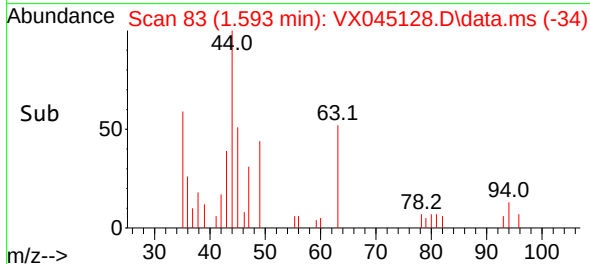
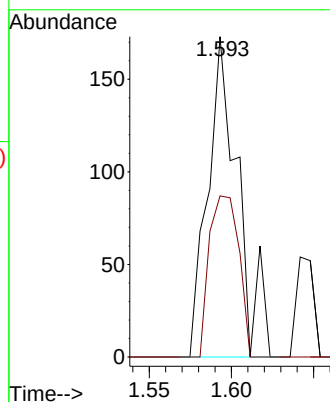
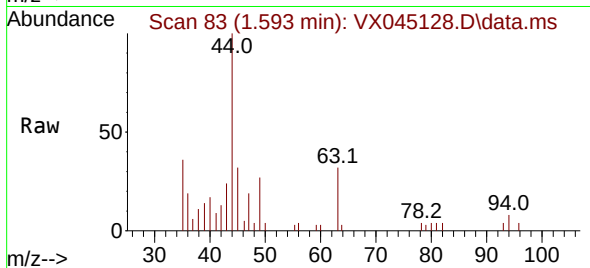




#5
Bromomethane
Concen: 0.541 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

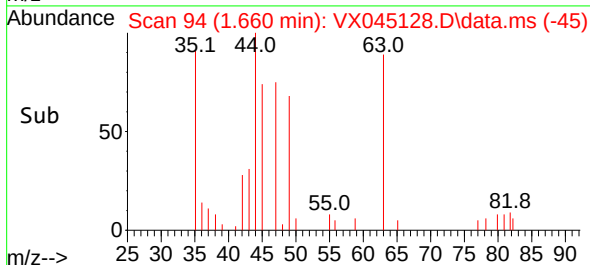
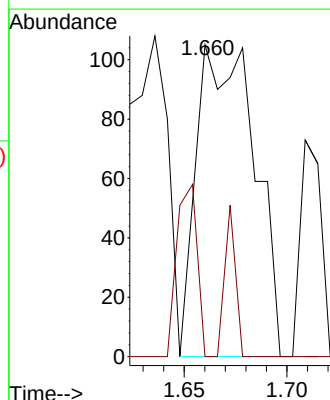
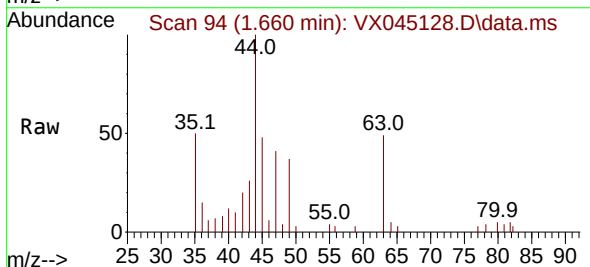
Instrument :
MSVOA_X
ClientSampleId :
VX0305MBL01

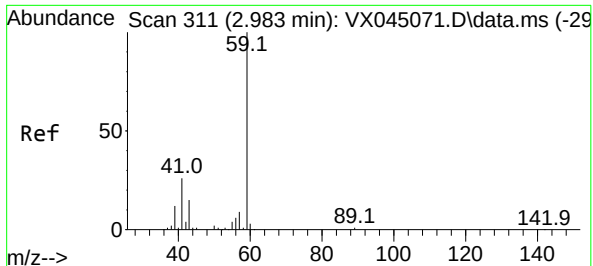
Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 50.3 75.0 112.4#



#6
Chloroethane
Concen: 0.428 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

Tgt Ion: 64 Resp: 206
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#11

Tert butyl alcohol

Concen: 6.680 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX045128.D

Acq: 05 Mar 2025 09:39

Instrument :

MSVOA_X

ClientSampleId :

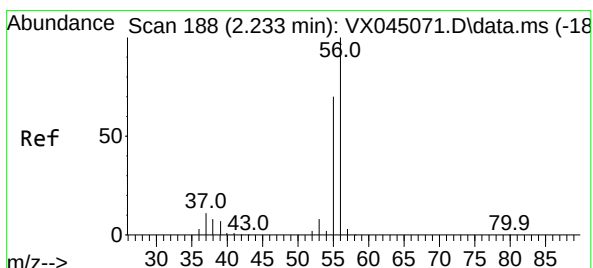
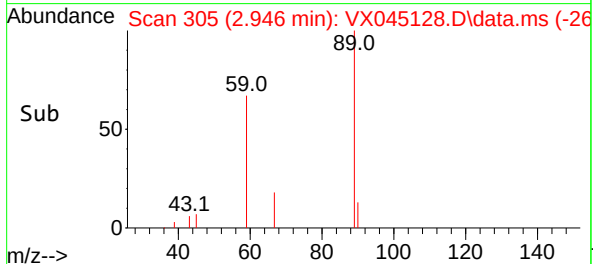
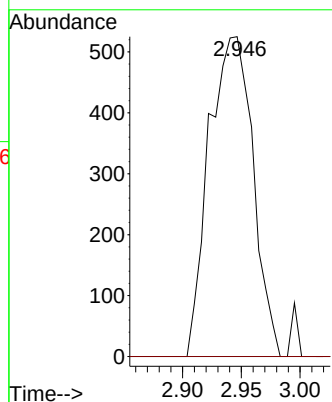
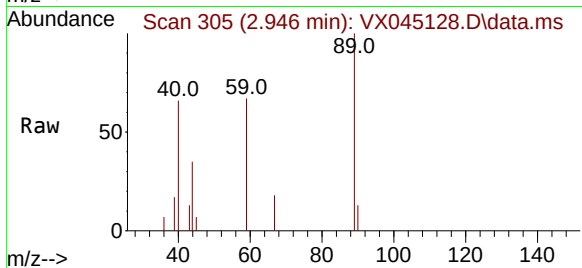
VX0305MBL01

Tgt Ion: 59 Resp: 1374

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 0.652 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX045128.D

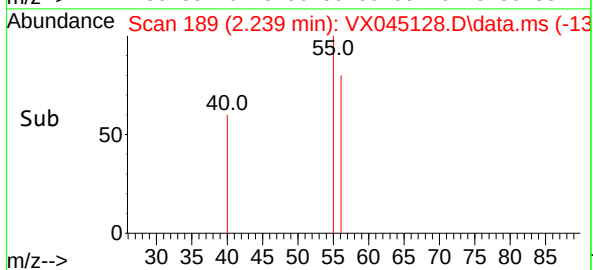
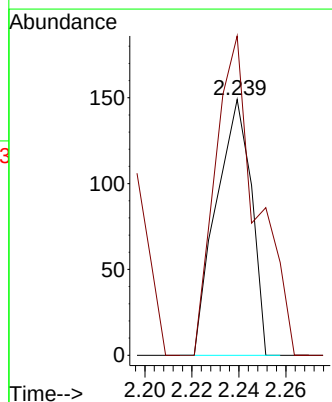
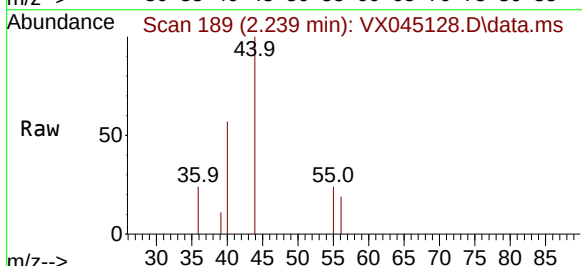
Acq: 05 Mar 2025 09:39

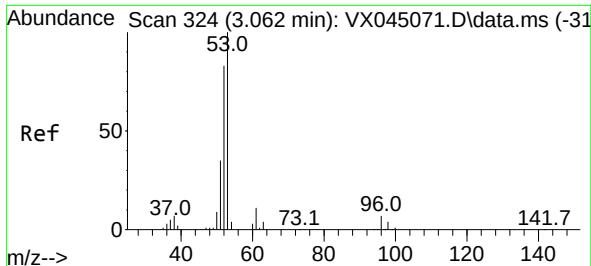
Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 148.4 56.2 84.4#

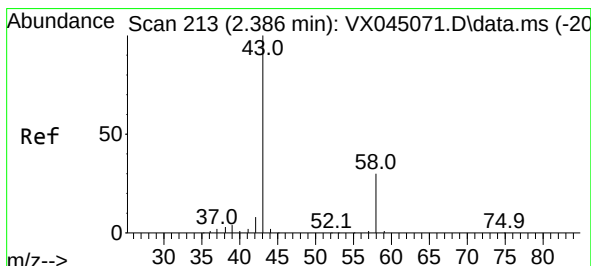
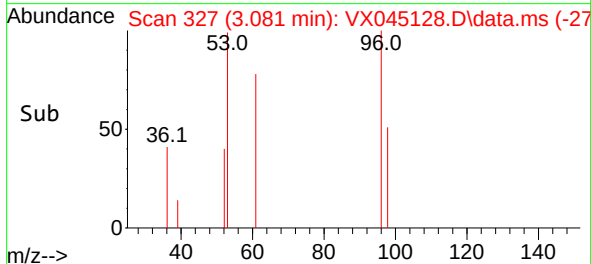
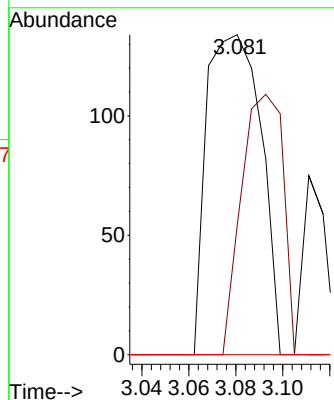
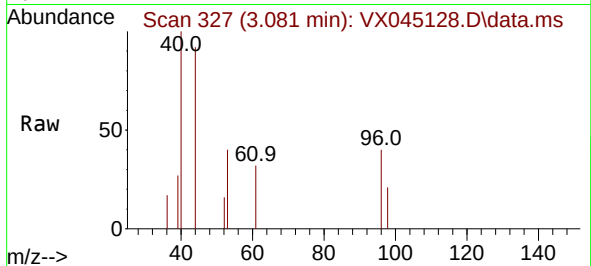




#15
Acrylonitrile
Concen: 0.390 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

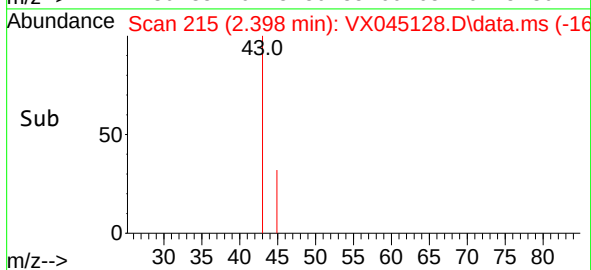
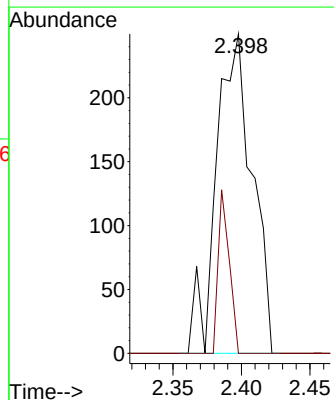
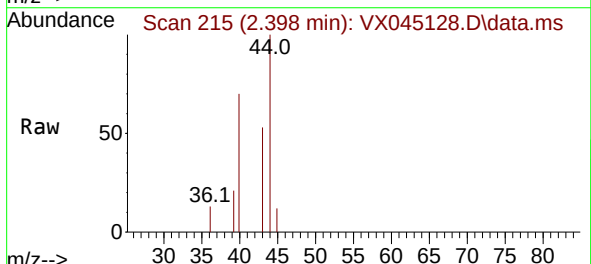
Instrument :
MSVOA_X
ClientSampleId :
VX0305MBL01

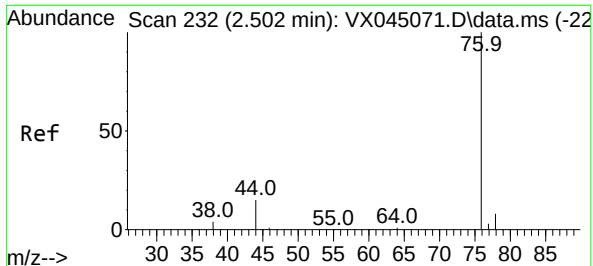
Tgt Ion: 53 Resp: 215
Ion Ratio Lower Upper
53 100
52 62.3 66.2 99.2#
51 0.0 29.0 43.4#



#16
Acetone
Concen: 0.903 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#

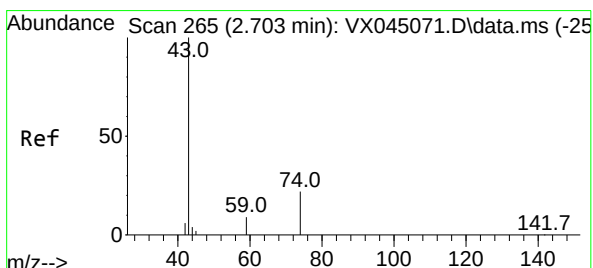
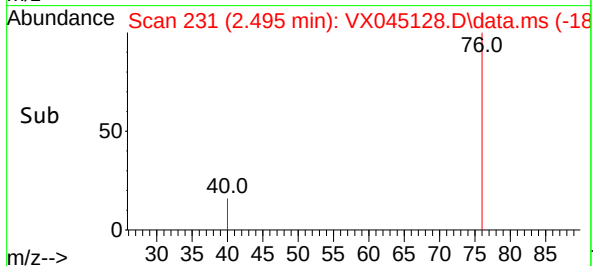
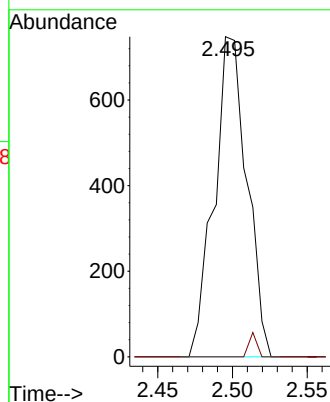
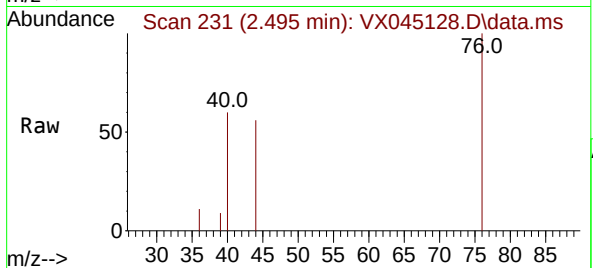




#17
Carbon Disulfide
Concen: 0.509 ug/l
RT: 2.495 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

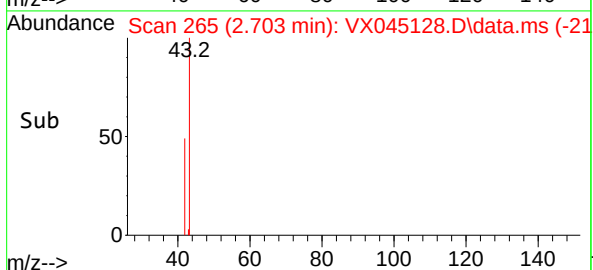
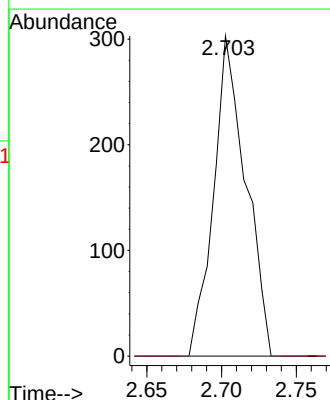
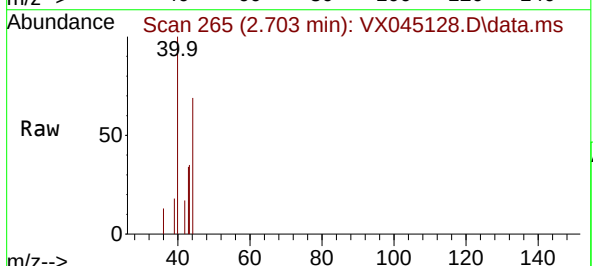
Instrument :
MSVOA_X
ClientSampleId :
VX0305MBL01

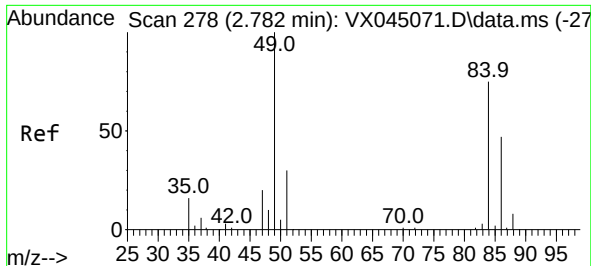
Tgt Ion: 76 Resp: 1138
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



#18
Methyl Acetate
Concen: 0.373 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

Tgt Ion: 43 Resp: 452
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

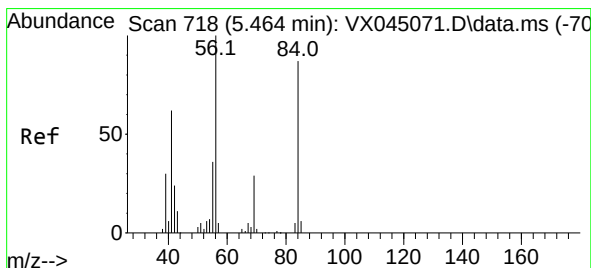
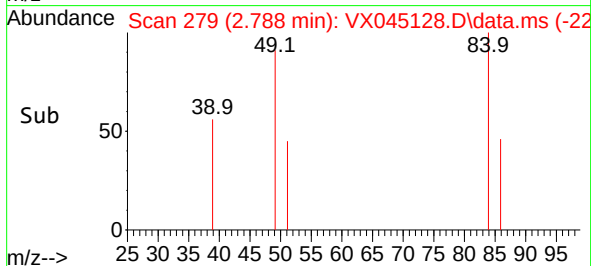
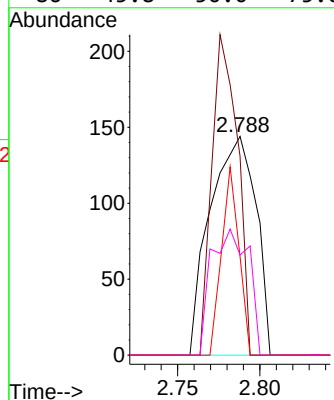
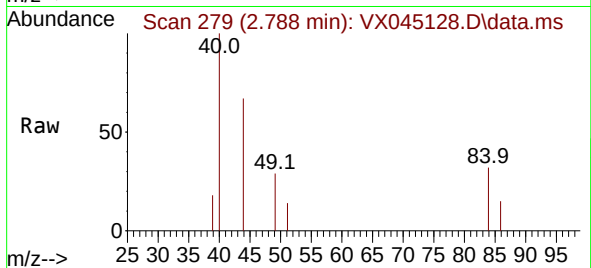




#20
Methylene Chloride
Concen: 0.281 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

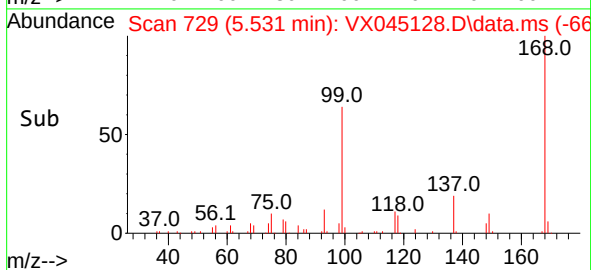
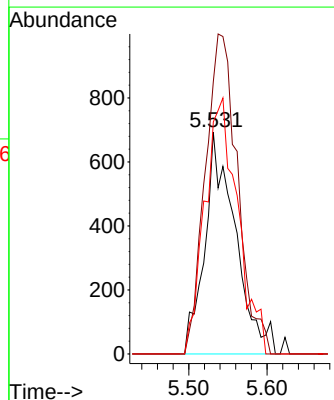
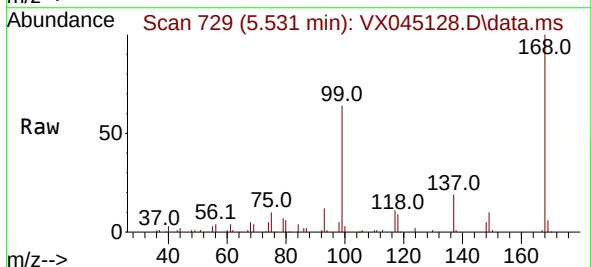
Instrument :
MSVOA_X
ClientSampleId :
VX0305MBL01

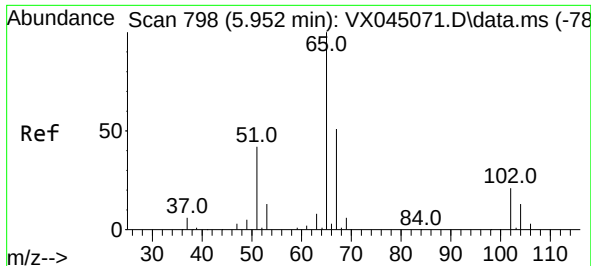
Tgt Ion:	84	Resp:	280
Ion	Ratio	Lower	Upper
84	100		
49	91.0	106.5	159.7#
51	45.1	32.1	48.1
86	45.8	50.0	75.0#



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 5.531 min Scan# 729
Delta R.T. 0.067 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

Tgt Ion:	56	Resp:	1877
Ion	Ratio	Lower	Upper
56	100		
69	122.8	23.4	35.2#
84	104.6	69.4	104.2#





#33

1,2-Dichloroethane-d4

Concen: 52.795 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045128.D

Acq: 05 Mar 2025 09:39

Instrument :

MSVOA_X

ClientSampleId :

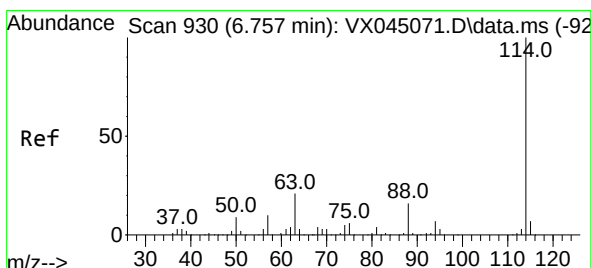
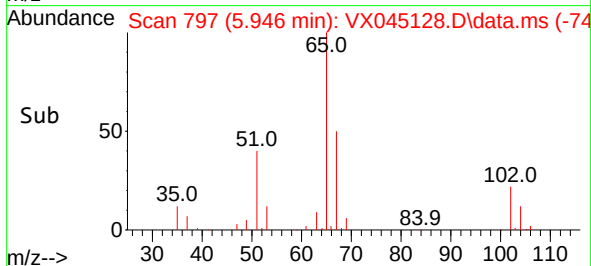
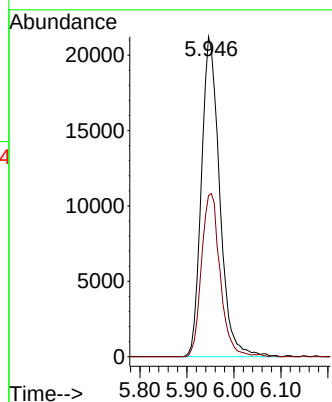
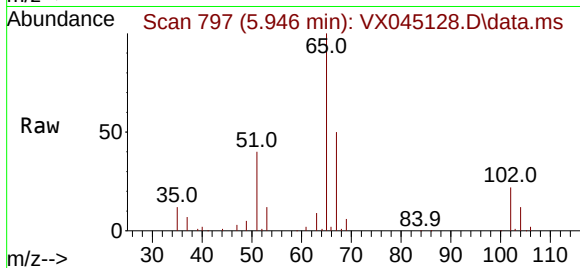
VX0305MBL01

Tgt Ion: 65 Resp: 57330

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045128.D

Acq: 05 Mar 2025 09:39

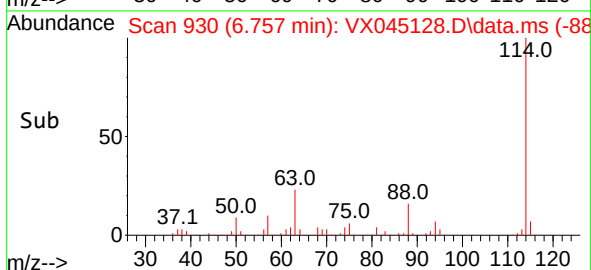
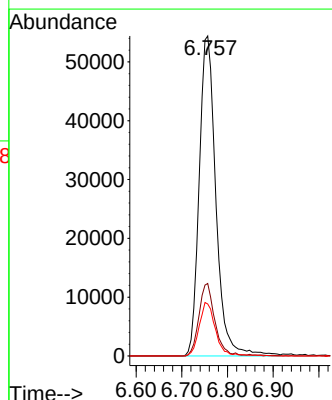
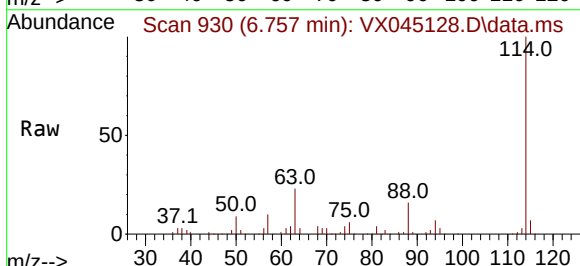
Tgt Ion: 114 Resp: 138238

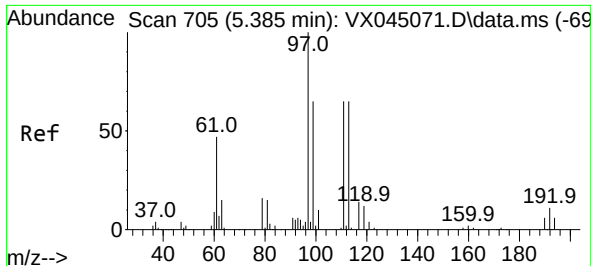
Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 16.3 0.0 32.8

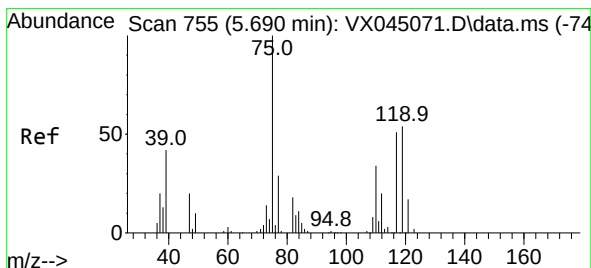
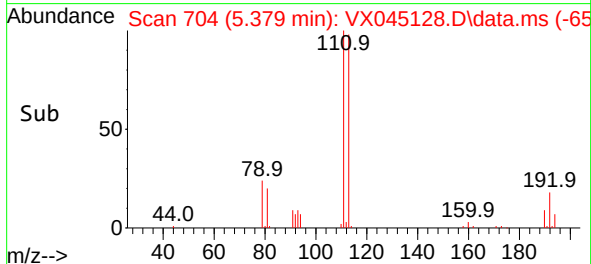
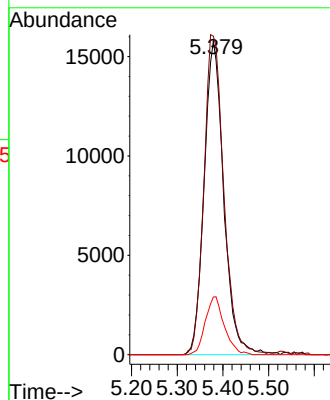
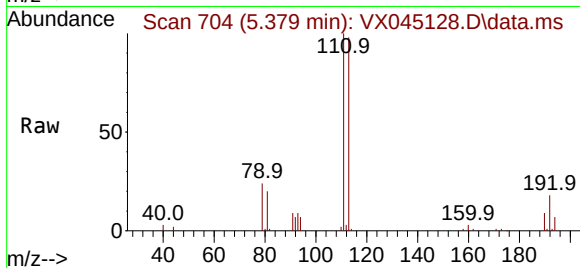




#35
Dibromofluoromethane
Concen: 50.824 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

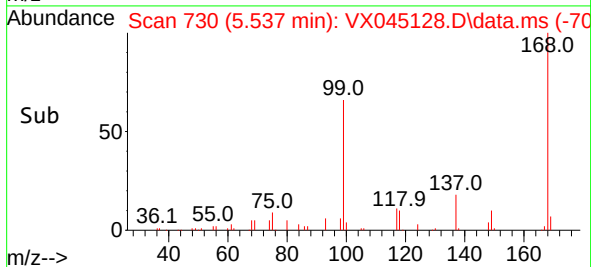
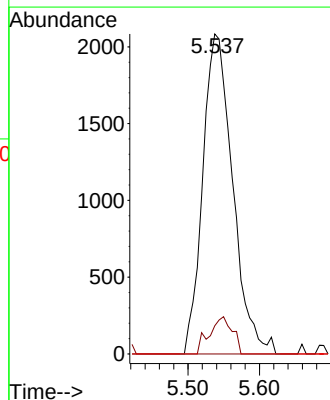
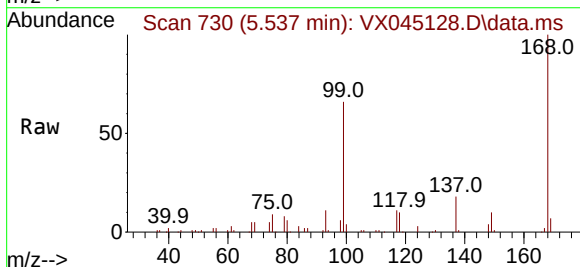
Instrument :
MSVOA_X
ClientSampleId :
VX0305MBL01

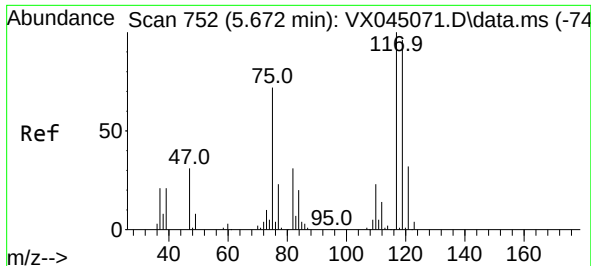
Tgt Ion:113 Resp: 46980
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.6
192 17.9 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.153 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

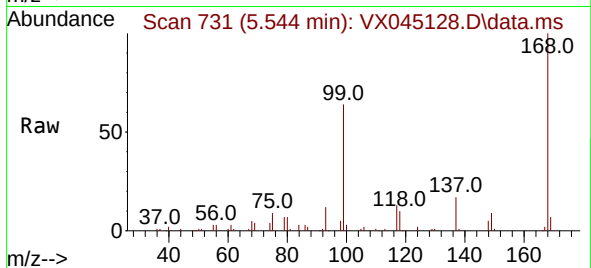
Tgt Ion: 75 Resp: 6057
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.6#
77 0.0 24.5 36.7#



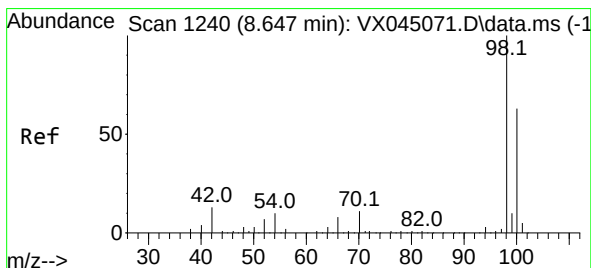
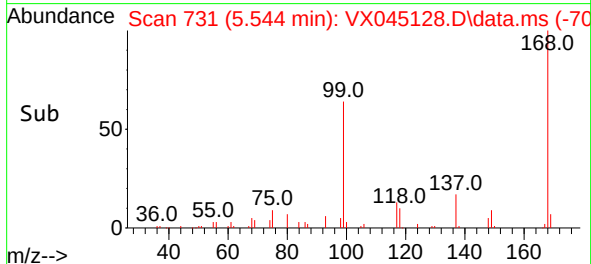
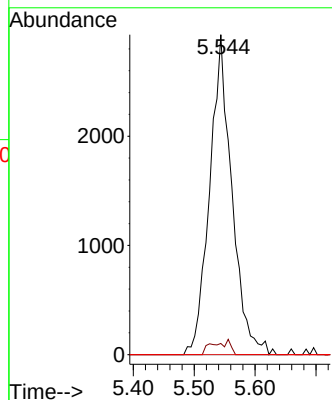


#38
Carbon Tetrachloride
Concen: 5.787 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

Instrument :
MSVOA_X
ClientSampleId :
VX0305MBL01

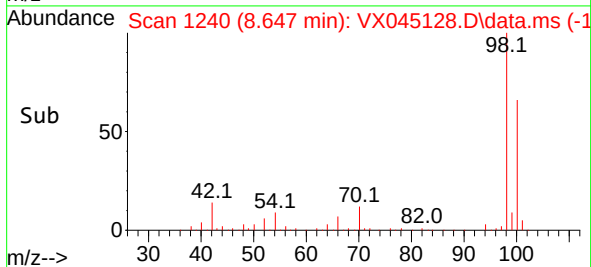
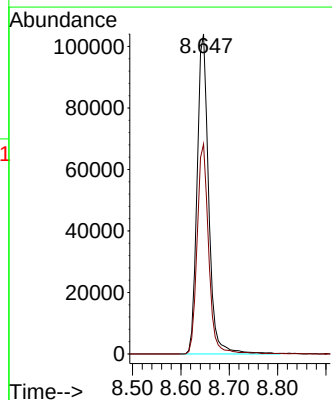
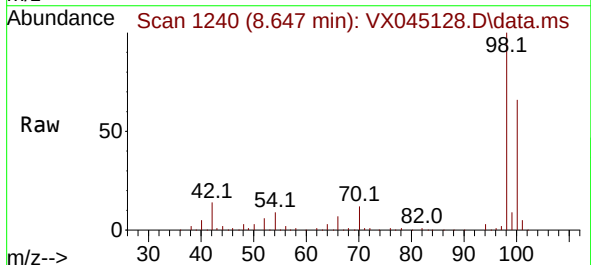


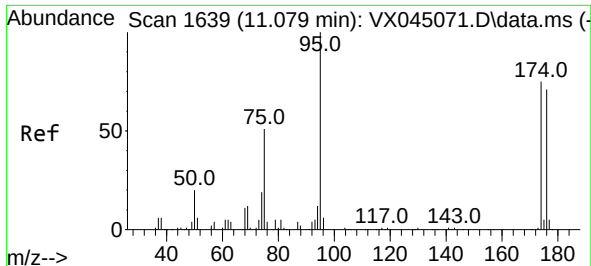
Tgt Ion:117 Resp: 7448
Ion Ratio Lower Upper
117 100
119 3.5 76.7 115.1#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 51.346 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

Tgt Ion: 98 Resp: 172066
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 52.376 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045128.D

Acq: 05 Mar 2025 09:39

Instrument :

MSVOA_X

ClientSampleId :

VX0305MBL01

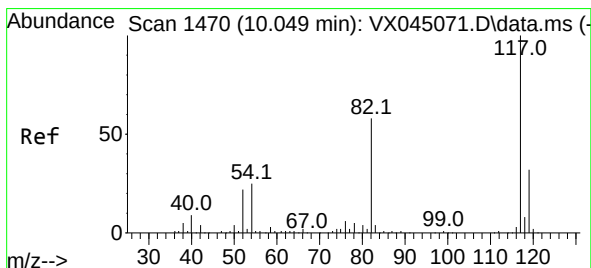
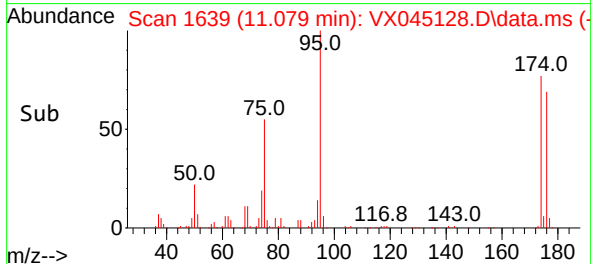
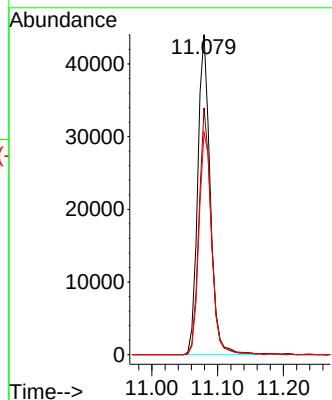
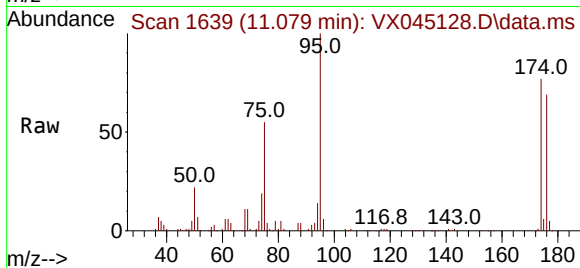
Tgt Ion: 95 Resp: 58162

Ion Ratio Lower Upper

95 100

174 75.6 0.0 148.2

176 71.2 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045128.D

Acq: 05 Mar 2025 09:39

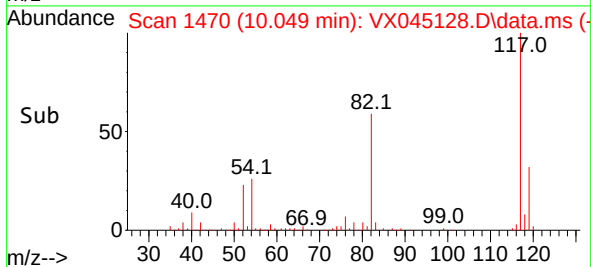
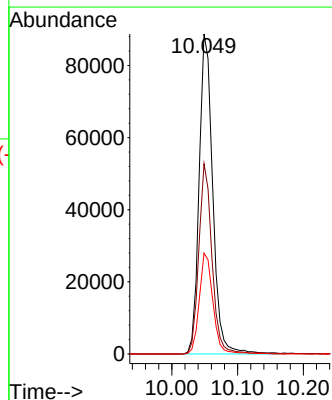
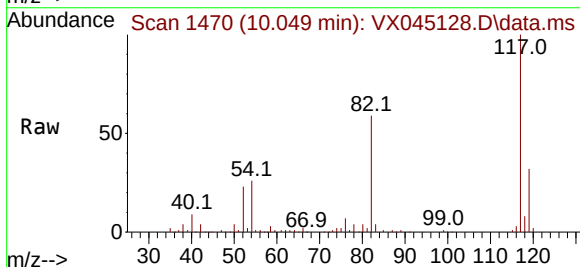
Tgt Ion: 117 Resp: 127715

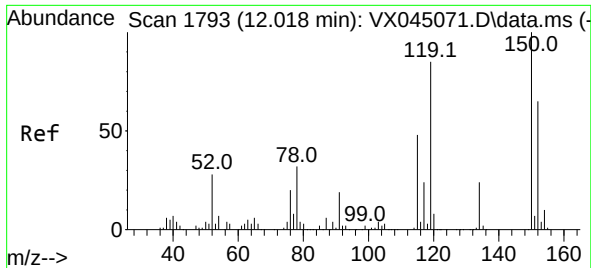
Ion Ratio Lower Upper

117 100

82 59.4 46.3 69.5

119 31.5 25.7 38.5

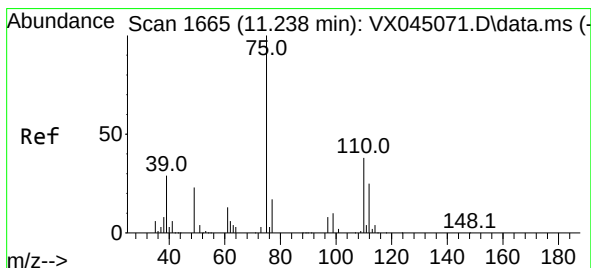
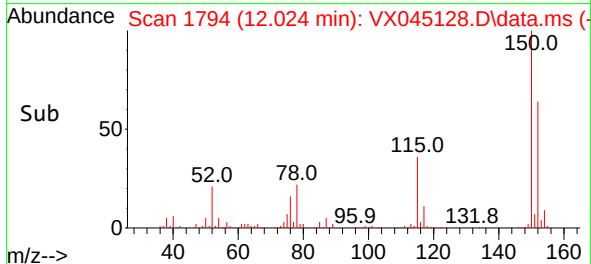
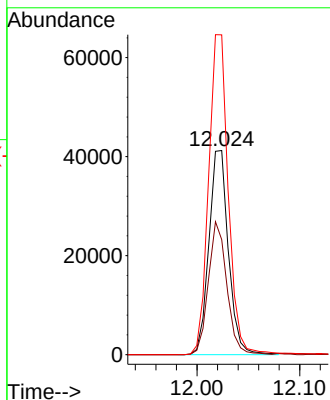
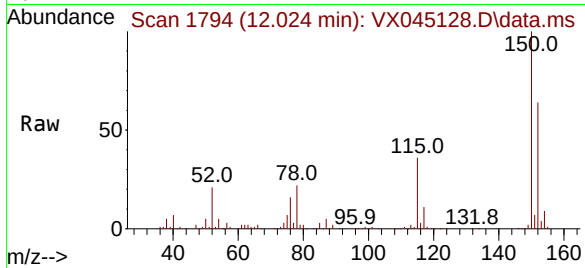




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045128.D
 Acq: 05 Mar 2025 09:39

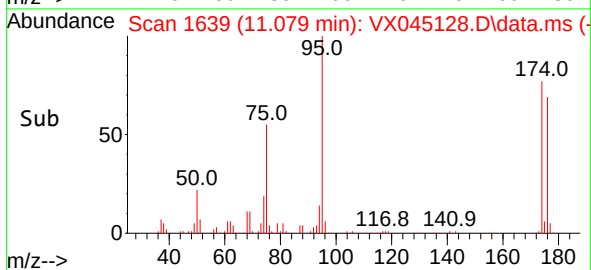
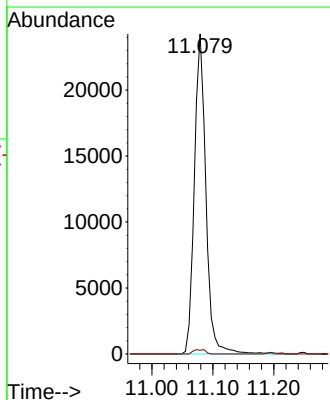
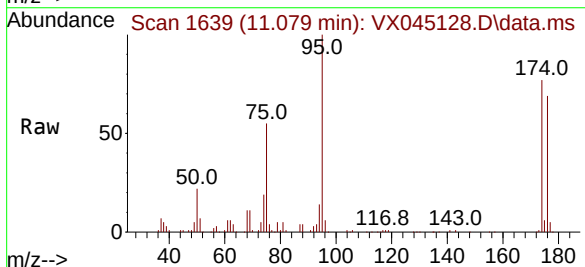
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305MBL01

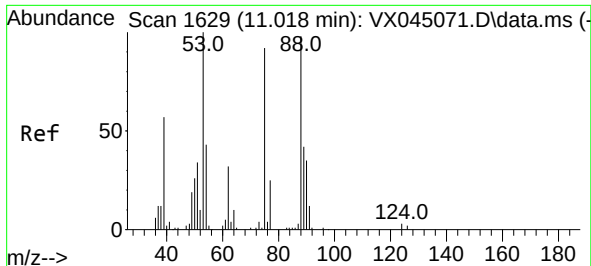
Tgt Ion:152 Resp: 54682
 Ion Ratio Lower Upper
 152 100
 115 61.4 44.2 132.6
 150 158.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.043 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045128.D
 Acq: 05 Mar 2025 09:39

Tgt Ion: 75 Resp: 31873
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.7 62.1#

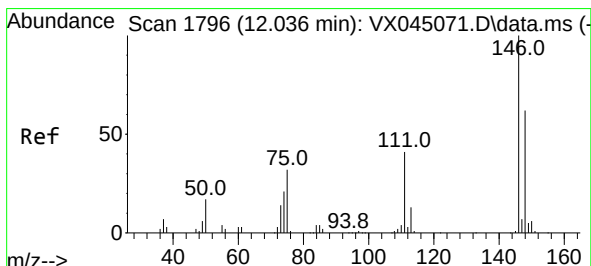
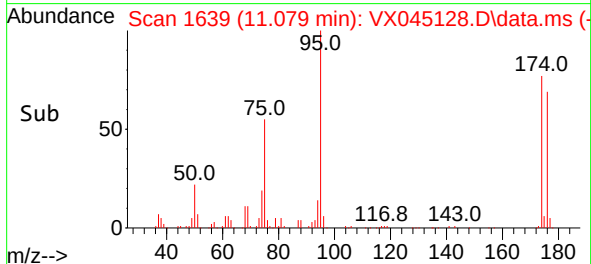
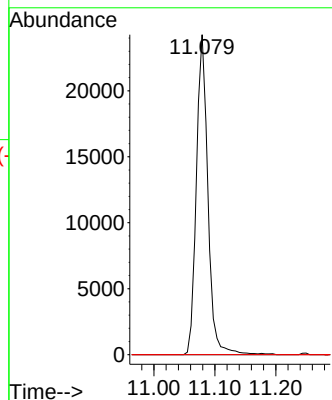
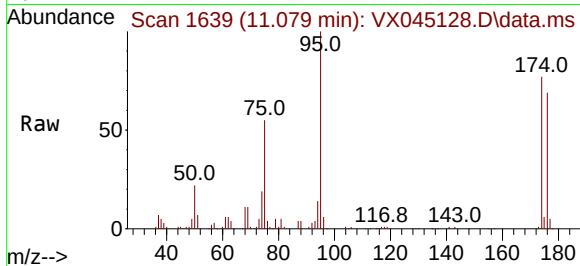




#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.702 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045128.D
 Acq: 05 Mar 2025 09:39

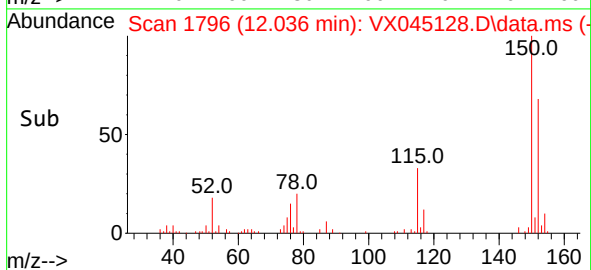
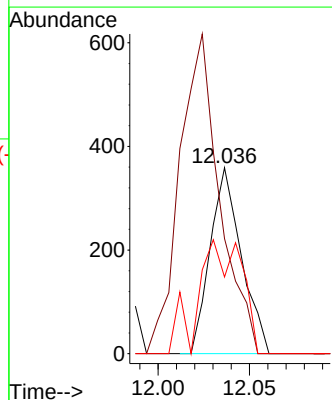
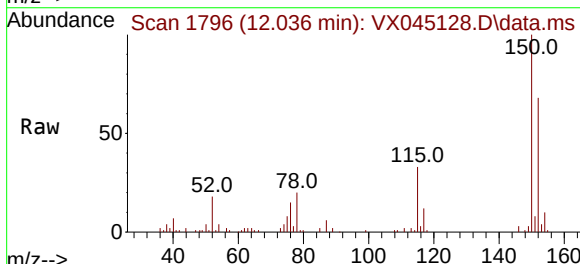
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305MBL01

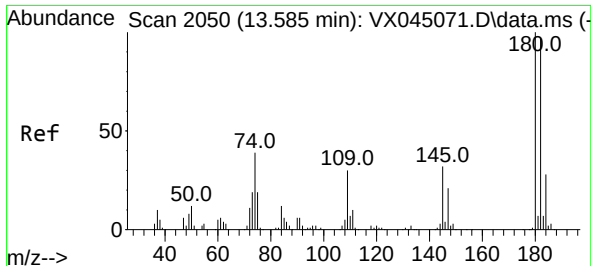
Tgt Ion: 75 Resp: 31873
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#



#88
 1,4-Dichlorobenzene
 Concen: 0.235 ug/l
 RT: 12.036 min Scan# 1796
 Delta R.T. -0.000 min
 Lab File: VX045128.D
 Acq: 05 Mar 2025 09:39

Tgt Ion: 146 Resp: 427
 Ion Ratio Lower Upper
 146 100
 111 219.0 20.2 60.5#
 148 85.9 31.9 95.9

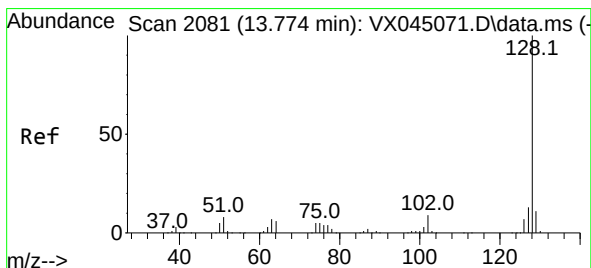
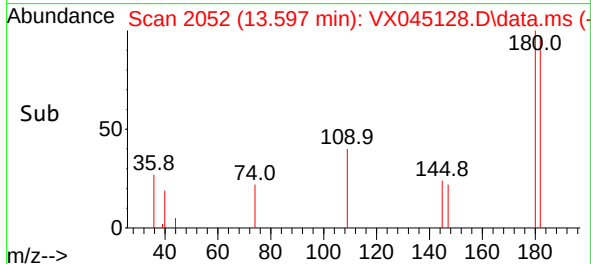
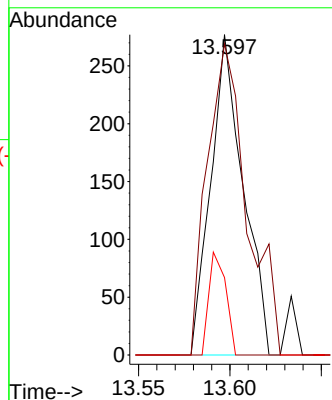
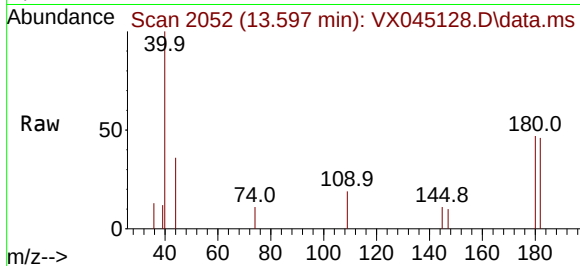




#93
1,2,4-Trichlorobenzene
Concen: 0.332 ug/l
RT: 13.597 min Scan# 2050
Delta R.T. 0.012 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

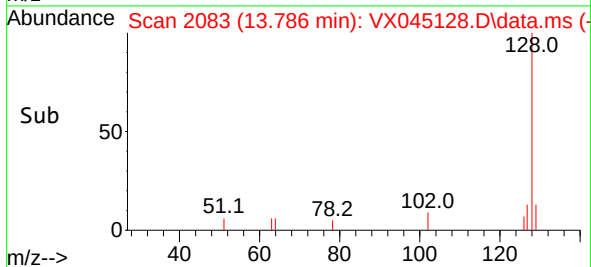
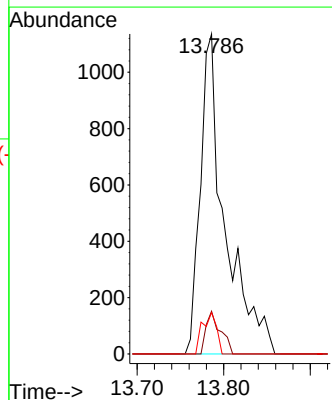
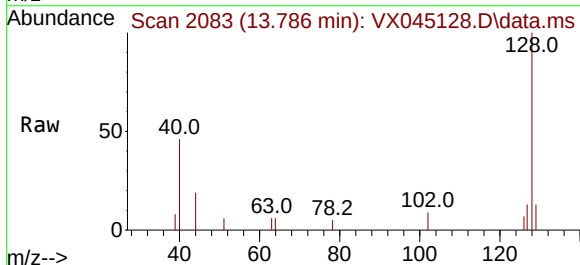
Instrument :
MSVOA_X
ClientSampleId :
VX0305MBL01

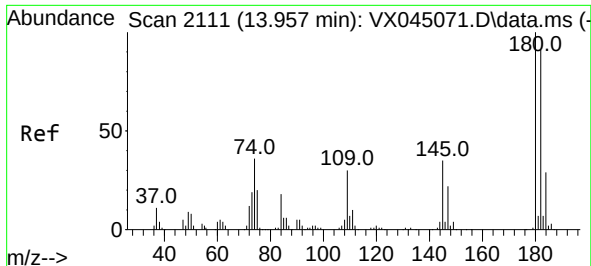
Tgt Ion:180 Resp: 341
Ion Ratio Lower Upper
180 100
182 119.1 47.3 141.9
145 16.7 16.3 48.9



#95
Naphthalene
Concen: 0.570 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045128.D
Acq: 05 Mar 2025 09:39

Tgt Ion:128 Resp: 2248
Ion Ratio Lower Upper
128 100
127 7.8 10.3 15.5#
129 7.4 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.347 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VX045128.D
 Acq: 05 Mar 2025 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305MBL01

Tgt Ion:180 Resp: 376

Ion	Ratio	Lower	Upper
180	100		
182	107.2	47.5	142.6
145	20.2	17.0	50.9

