

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
 Data File : VX045432.D
 Acq On : 25 Mar 2025 11:59
 Operator : JC/MD
 Sample : VX0325MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325MBL01

Quant Time: Mar 26 01:34:34 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)

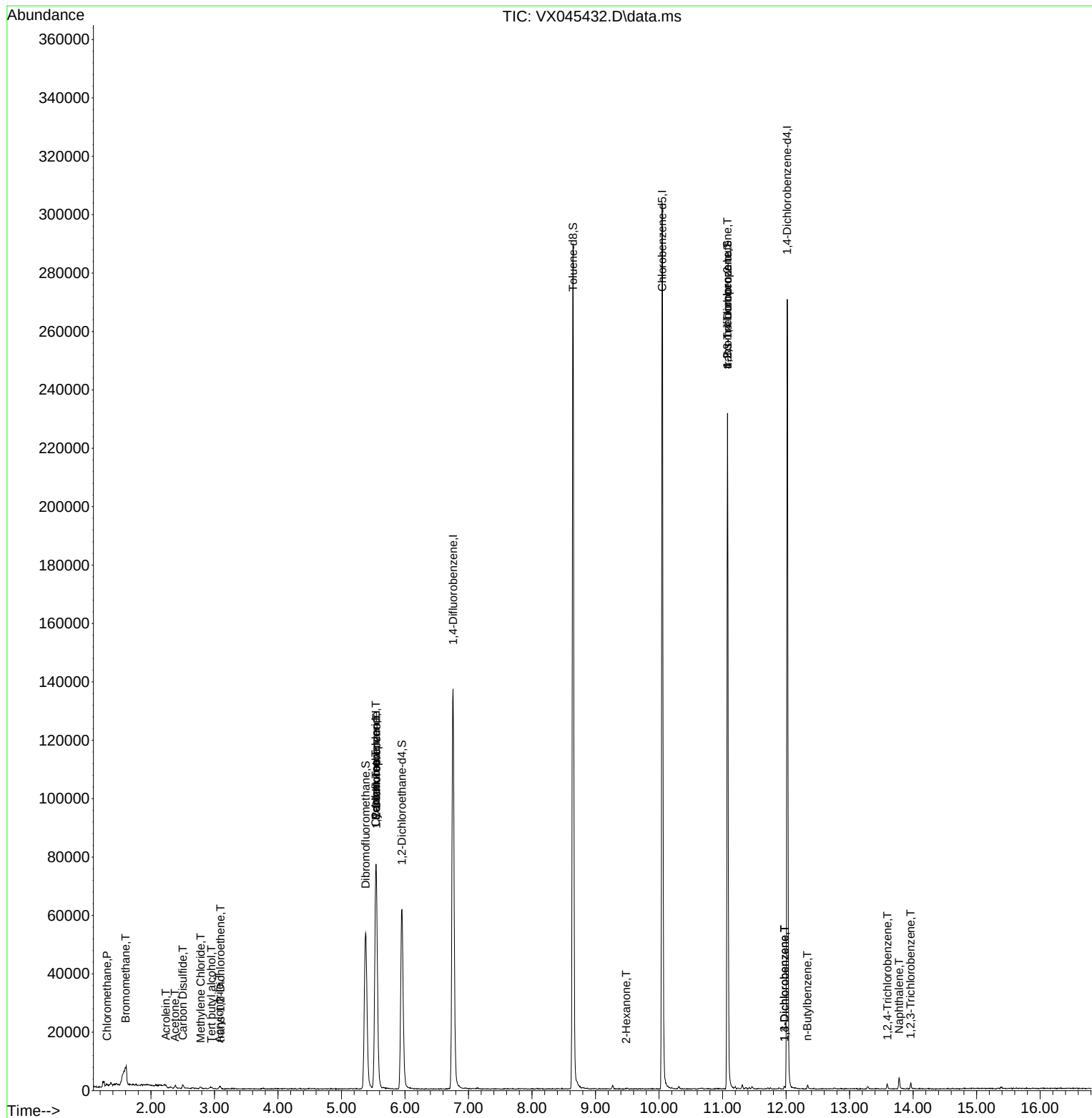
Internal Standards						
1) Pentafluorobenzene	5.544	168	66772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132564	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62279	58.637	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.280%			
35) Dibromofluoromethane	5.379	113	47550	53.643	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.280%			
50) Toluene-d8	8.647	98	168670	52.487	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.980%			
62) 4-Bromofluorobenzene	11.079	95	58866	55.279	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.560%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	547	0.532	ug/l #	73
5) Bromomethane	1.599	94	293	0.730	ug/l #	70
11) Tert butyl alcohol	2.953	59	176	0.875	ug/l #	73
13) Acrolein	2.233	56	206	0.886	ug/l	85
15) Acrylonitrile	3.075	53	372	0.690	ug/l	86
16) Acetone	2.380	43	1001	2.031	ug/l	96
17) Carbon Disulfide	2.501	76	1603	0.734	ug/l	97
20) Methylene Chloride	2.782	84	261	0.267	ug/l	85
21) trans-1,2-Dichloroethene	3.093	96	247	0.305	ug/l #	49
31) Cyclohexane	5.537	56	2138	1.480	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	6806	5.599	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7674	6.218	ug/l #	18
59) 2-Hexanone	9.482	43	271	0.240	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	34577	29.520	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34577	101.024	ug/l #	6
87) 1,3-Dichlorobenzene	11.975	146	395	0.239	ug/l	96
88) 1,4-Dichlorobenzene	11.975	146	395	0.236	ug/l	97
89) n-Butylbenzene	12.335	91	614	0.226	ug/l #	83
93) 1,2,4-Trichlorobenzene	13.597	180	579	0.613	ug/l	92
95) Naphthalene	13.780	128	3074	0.847	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	668	0.671	ug/l	87

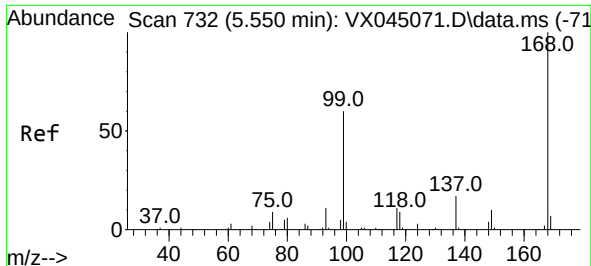
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0325MBL01

Quant Time: Mar 26 01:34:34 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

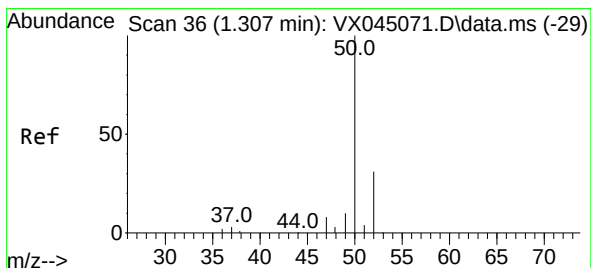
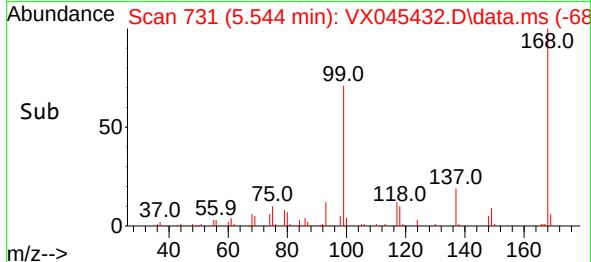
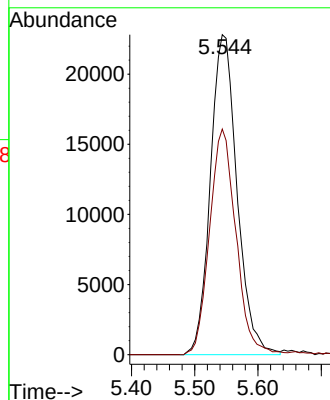
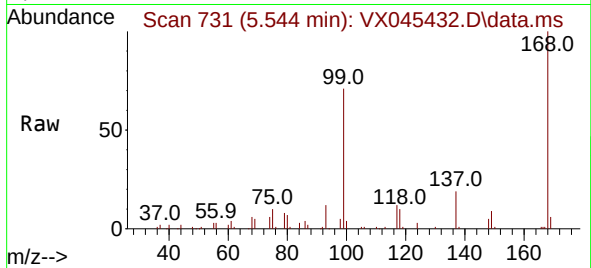




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

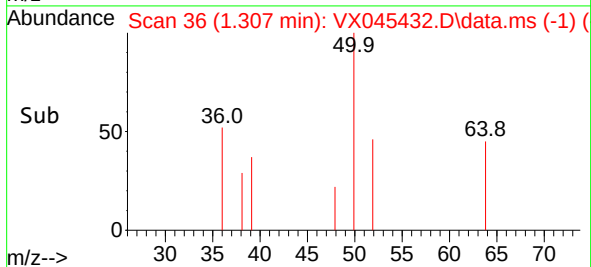
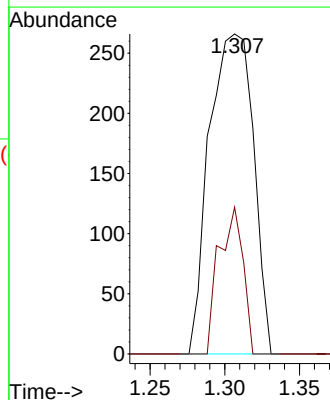
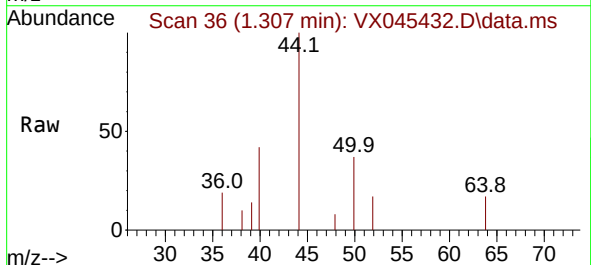
Instrument :
MSVOA_X
ClientSampleId :
VX0325MBL01

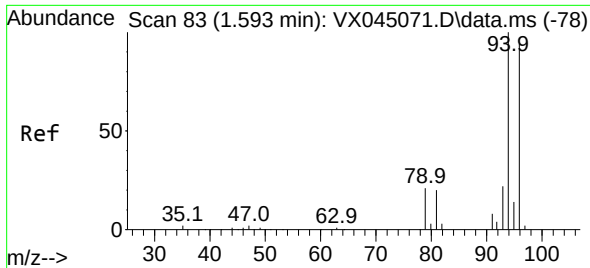
Tgt Ion:168 Resp: 66772
Ion Ratio Lower Upper
168 100
99 70.5 48.2 72.4



#3
Chloromethane
Concen: 0.532 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

Tgt Ion: 50 Resp: 547
Ion Ratio Lower Upper
50 100
52 45.9 25.0 37.4#

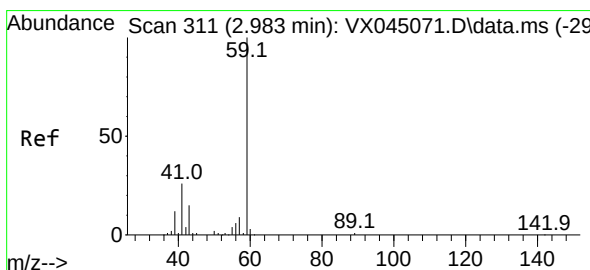
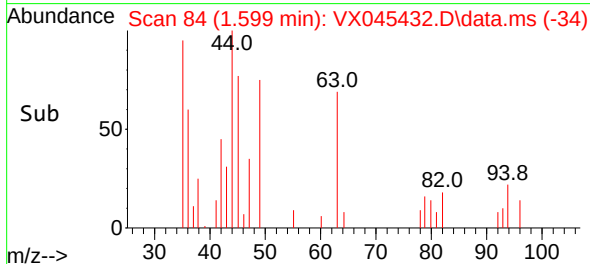
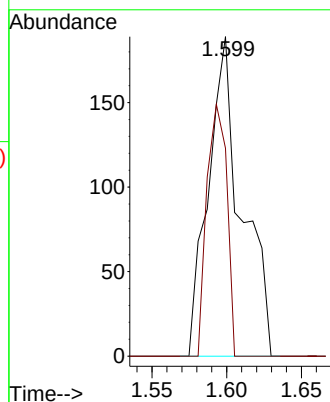
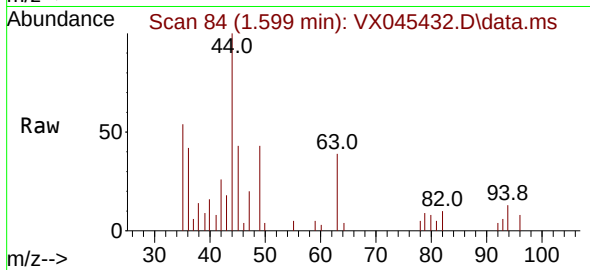




#5
Bromomethane
Concen: 0.730 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

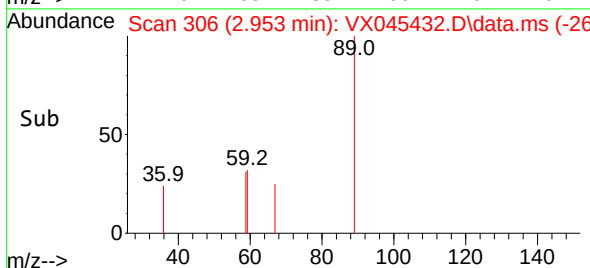
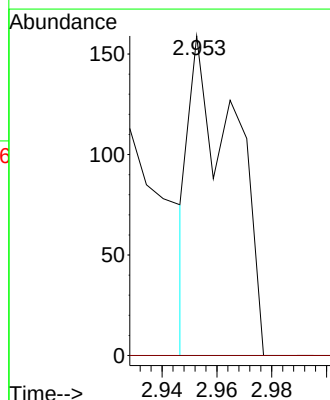
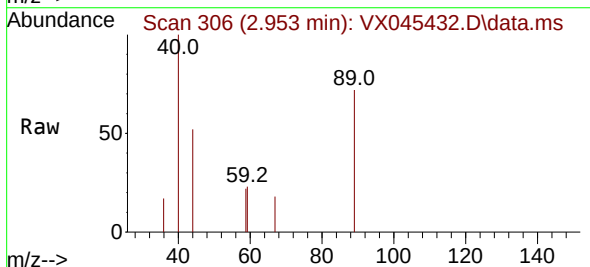
Instrument :
MSVOA_X
ClientSampleId :
VX0325MBL01

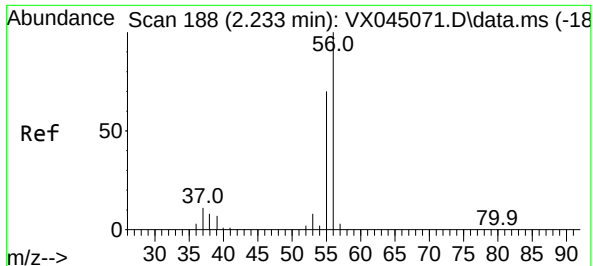
Tgt Ion: 94 Resp: 293
Ion Ratio Lower Upper
94 100
96 65.1 75.0 112.4#



#11
Tert butyl alcohol
Concen: 0.875 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

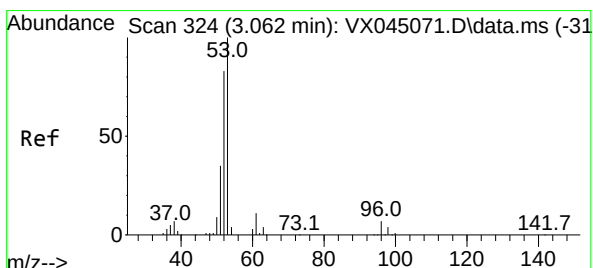
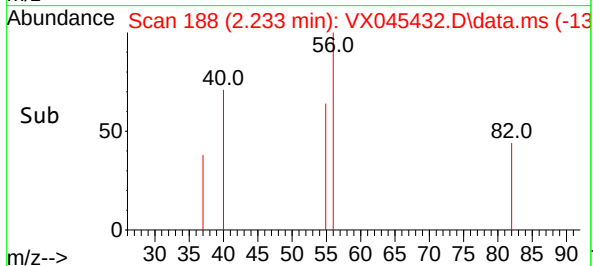
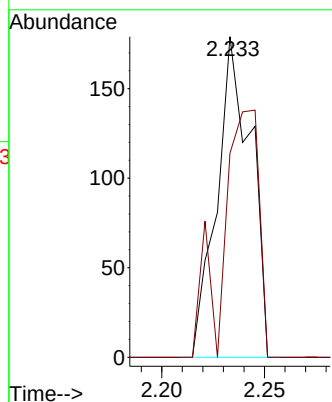
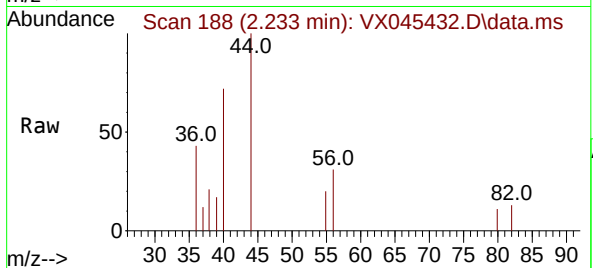




#13
Acrolein
Concen: 0.886 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

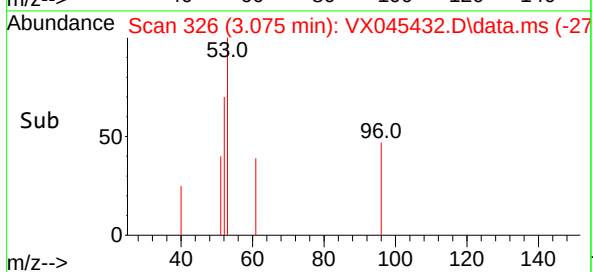
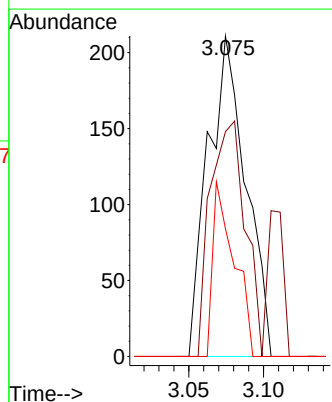
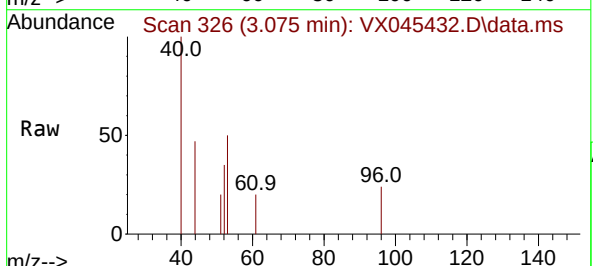
Instrument :
MSVOA_X
ClientSampleId :
VX0325MBL01

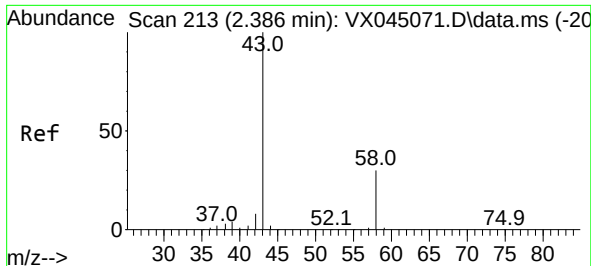
Tgt Ion: 56 Resp: 206
Ion Ratio Lower Upper
56 100
55 82.5 56.2 84.4



#15
Acrylonitrile
Concen: 0.690 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

Tgt Ion: 53 Resp: 372
Ion Ratio Lower Upper
53 100
52 67.7 66.2 99.2
51 30.6 29.0 43.4

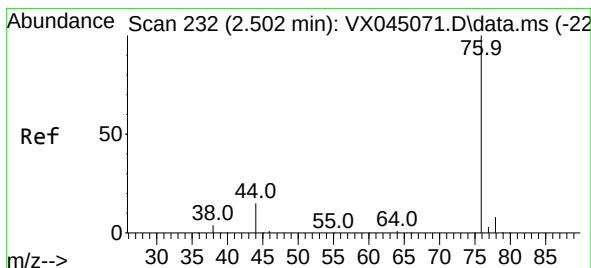
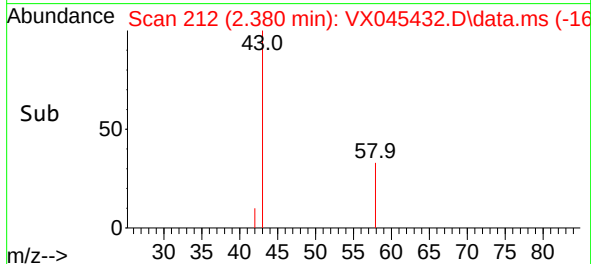
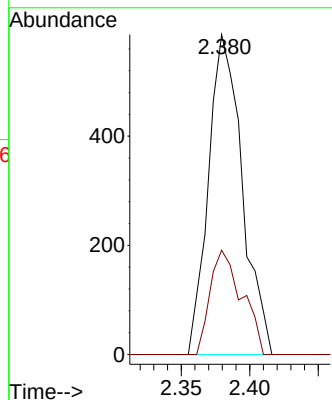
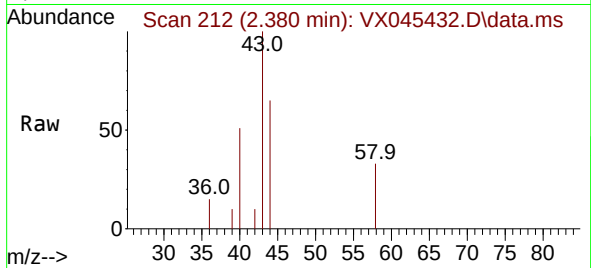




#16
Acetone
Concen: 2.031 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

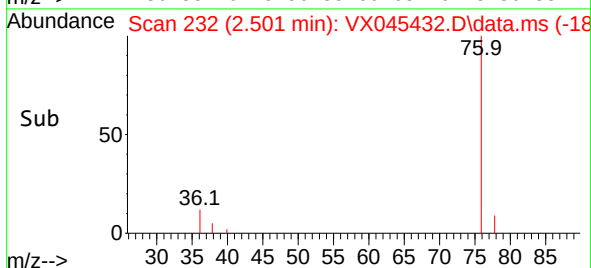
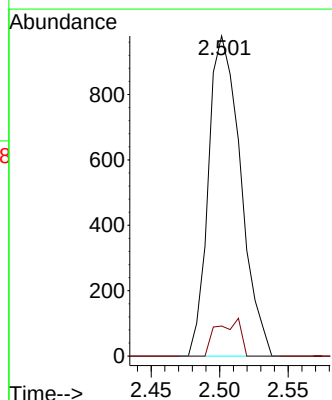
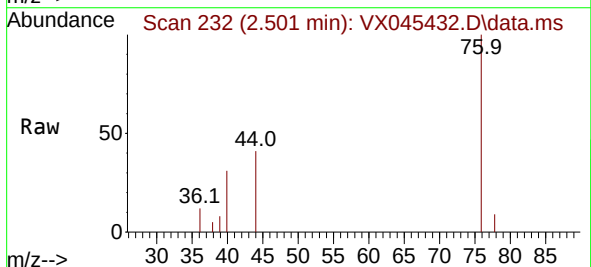
Instrument :
MSVOA_X
ClientSampleId :
VX0325MBL01

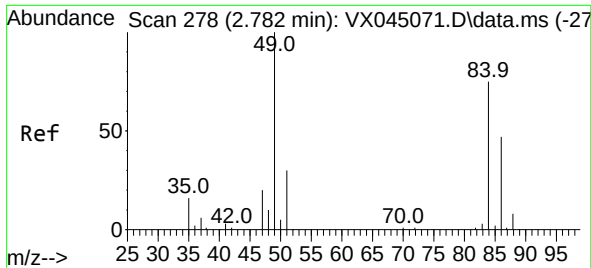
Tgt Ion: 43 Resp: 1001
Ion Ratio Lower Upper
43 100
58 32.6 24.2 36.4



#17
Carbon Disulfide
Concen: 0.734 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

Tgt Ion: 76 Resp: 1603
Ion Ratio Lower Upper
76 100
78 9.4 6.6 9.8

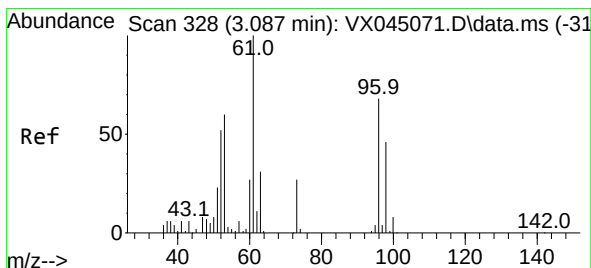
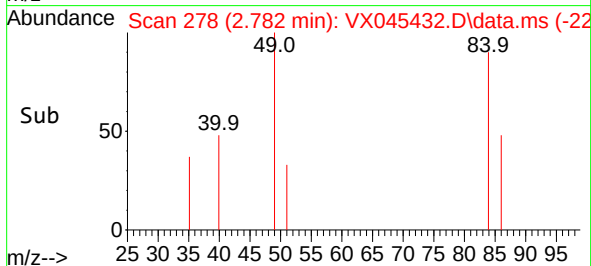
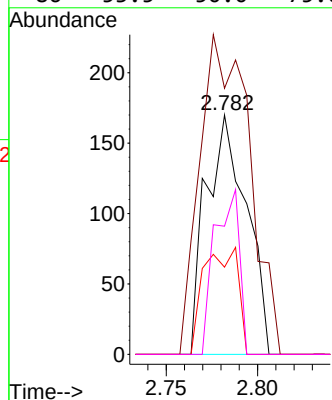
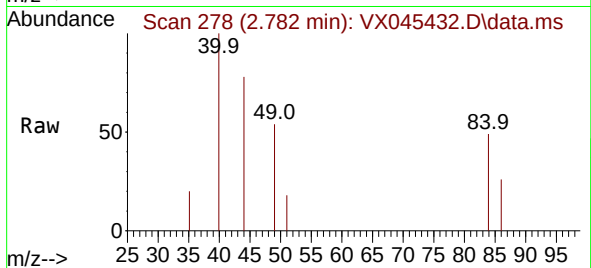




#20
Methylene Chloride
Concen: 0.267 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

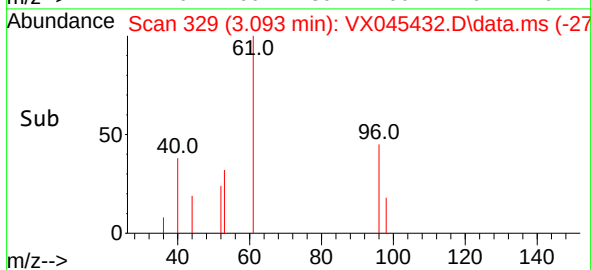
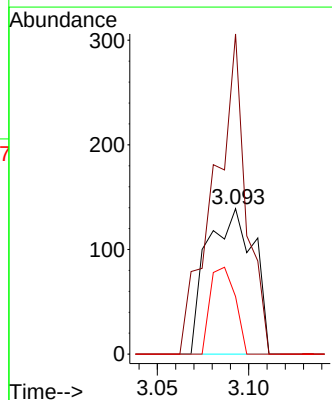
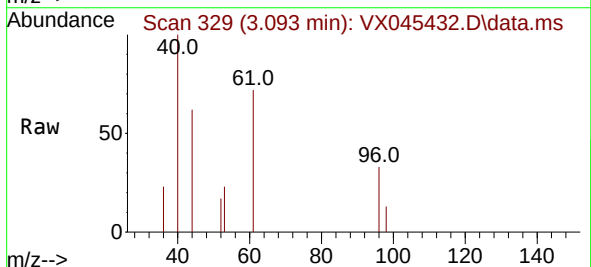
Instrument :
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ClientSampleId :
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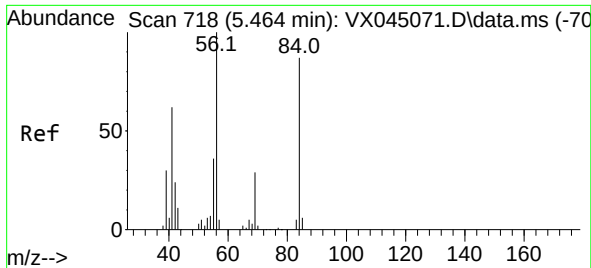
Tgt Ion:	84	Resp:	261
Ion	Ratio	Lower	Upper
84	100		
49	111.2	106.5	159.7
51	36.5	32.1	48.1
86	53.5	50.0	75.0



#21
trans-1,2-Dichloroethene
Concen: 0.305 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

Tgt Ion:	96	Resp:	247
Ion	Ratio	Lower	Upper
96	100		
61	220.1	117.0	175.4#
98	39.6	53.4	80.2#

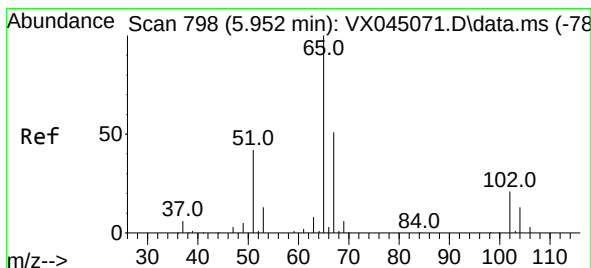
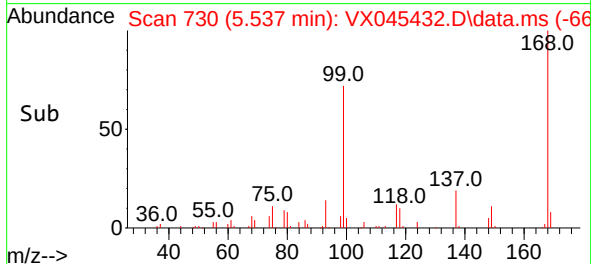
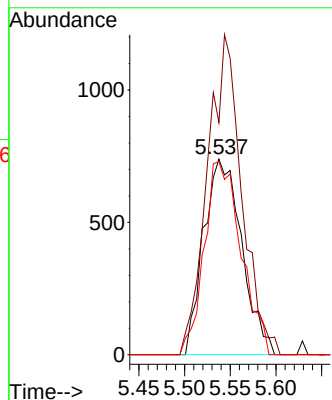
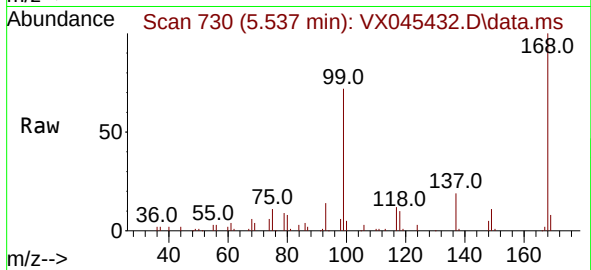




#31
Cyclohexane
Concen: 1.480 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

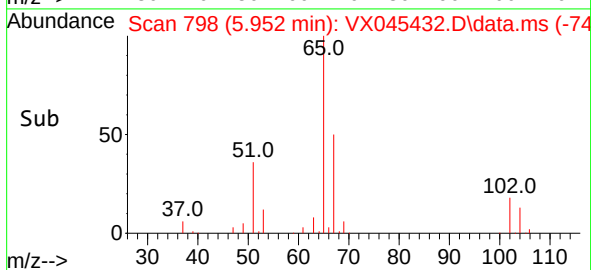
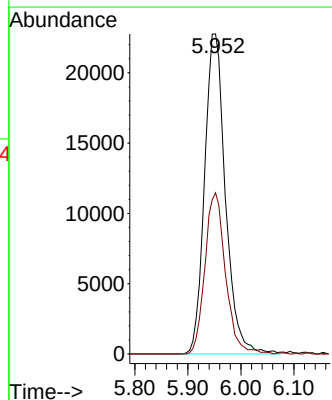
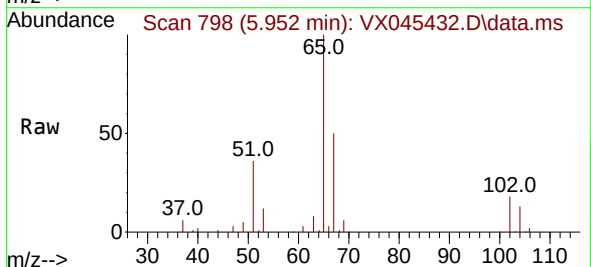
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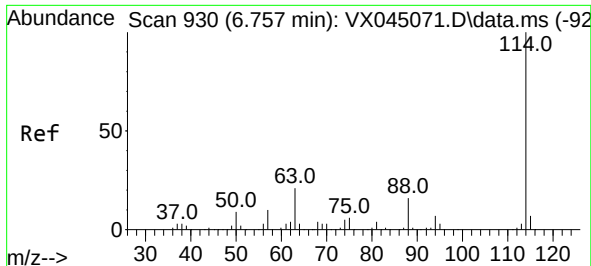
Tgt Ion: 56 Resp: 2138
Ion Ratio Lower Upper
56 100
69 118.7 23.4 35.2#
84 98.8 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 58.637 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

Tgt Ion: 65 Resp: 62279
Ion Ratio Lower Upper
65 100
67 49.6 0.0 106.2

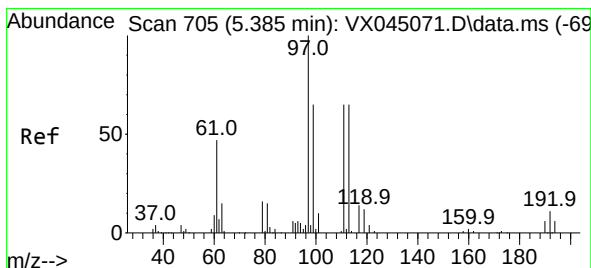
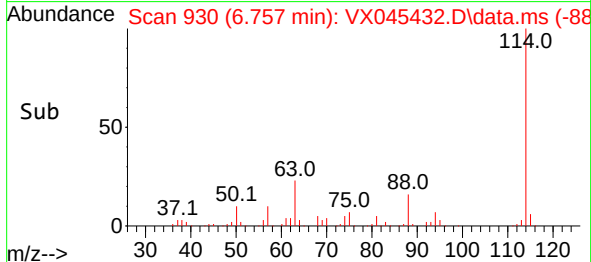
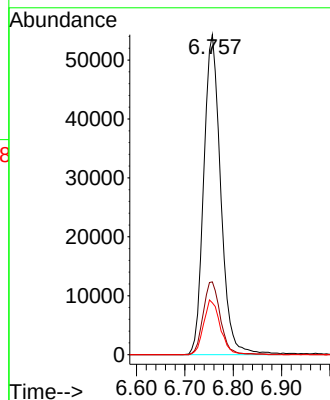
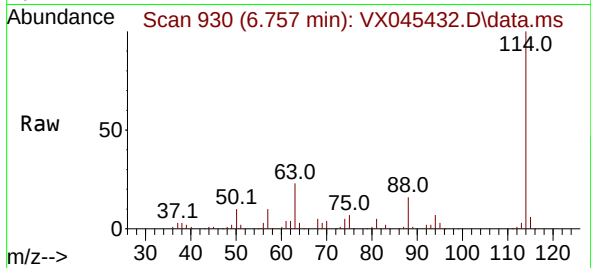




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

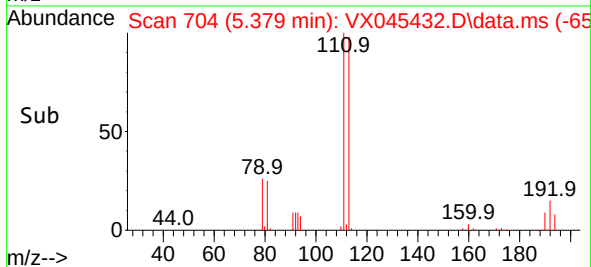
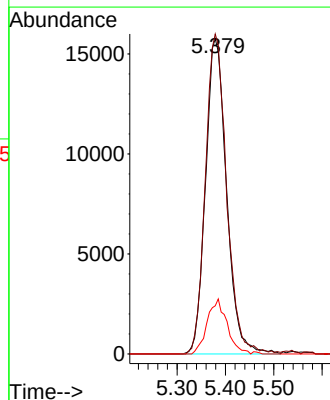
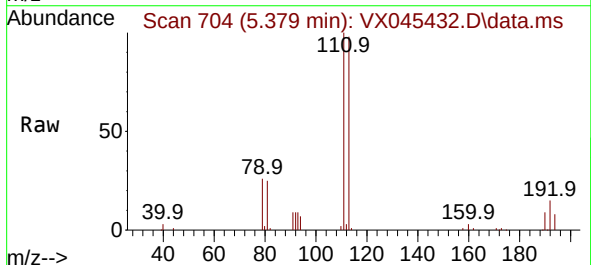
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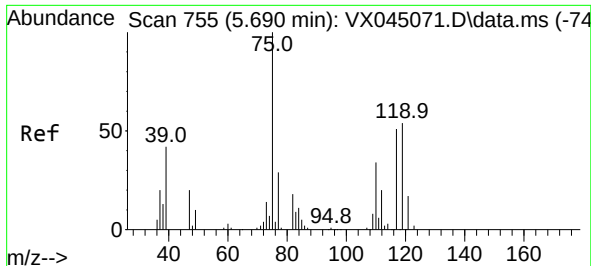
Tgt Ion:114 Resp: 132564
Ion Ratio Lower Upper
114 100
63 22.7 0.0 41.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.643 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

Tgt Ion:113 Resp: 47550
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 16.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.599 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045432.D

Acq: 25 Mar 2025 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX0325MBL01

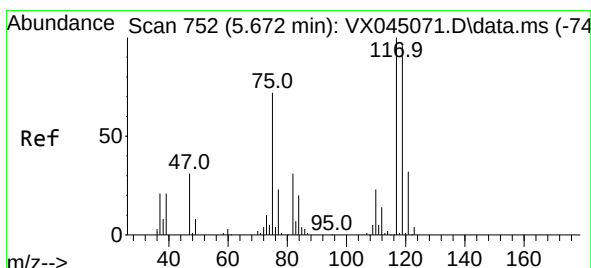
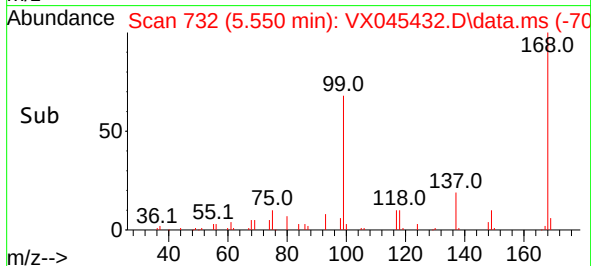
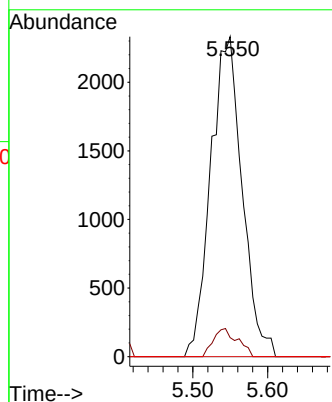
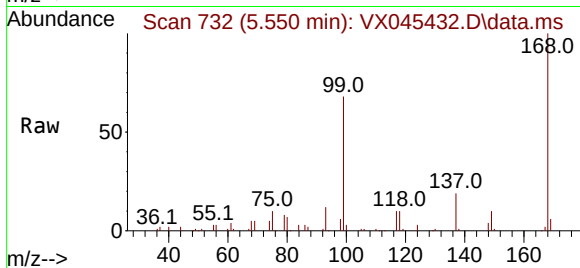
Tgt Ion: 75 Resp: 6806

Ion Ratio Lower Upper

75 100

110 6.8 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.218 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045432.D

Acq: 25 Mar 2025 11:59

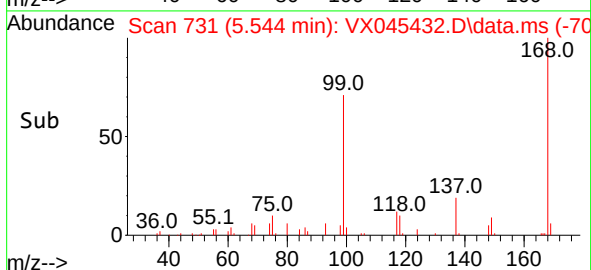
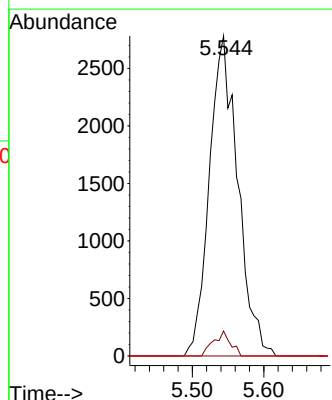
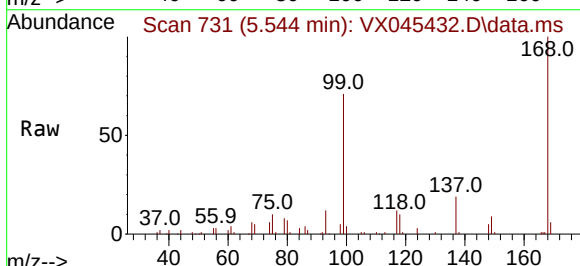
Tgt Ion: 117 Resp: 7674

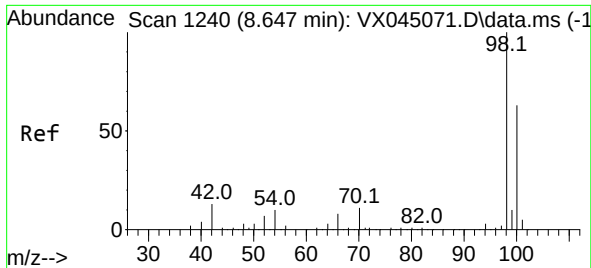
Ion Ratio Lower Upper

117 100

119 7.8 76.7 115.1#

121 0.0 25.5 38.3#

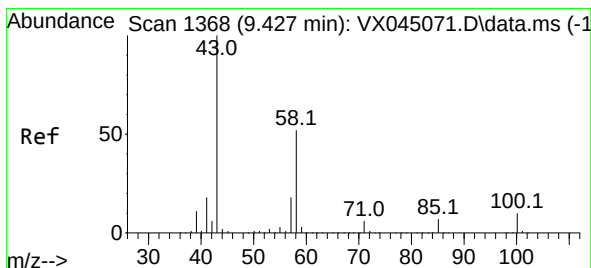
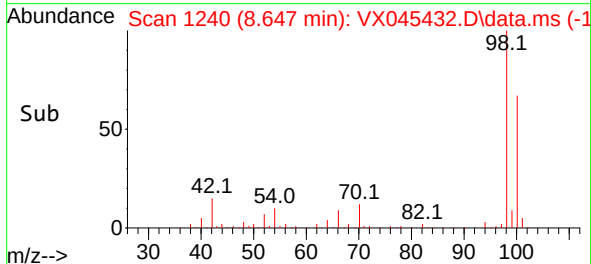
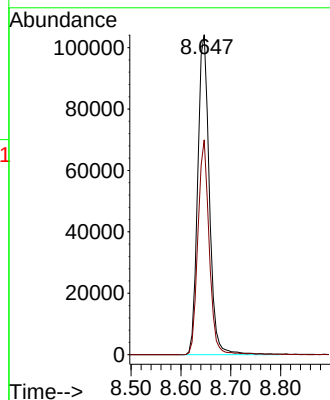
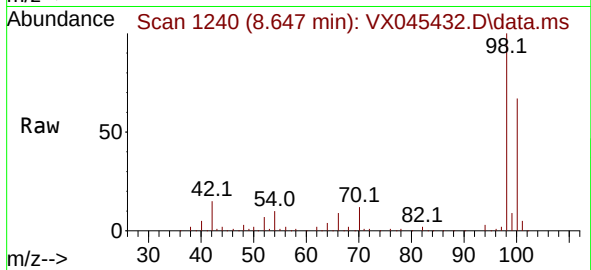




#50
Toluene-d8
Concen: 52.487 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

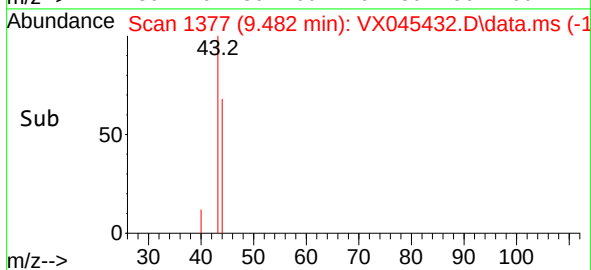
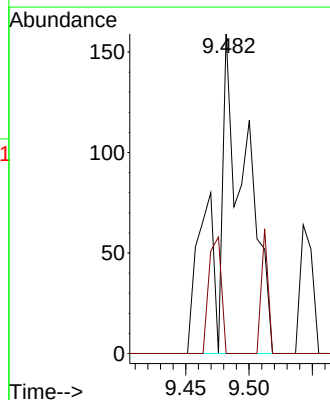
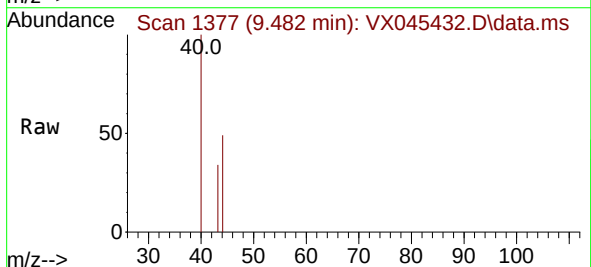
Instrument :
MSVOA_X
ClientSampleId :
VX0325MBL01

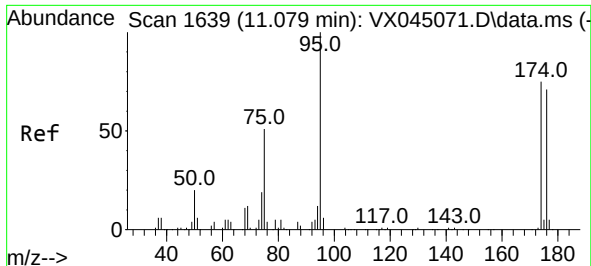
Tgt Ion: 98 Resp: 168670
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#59
2-Hexanone
Concen: 0.240 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
58 14.8 25.9 77.6#

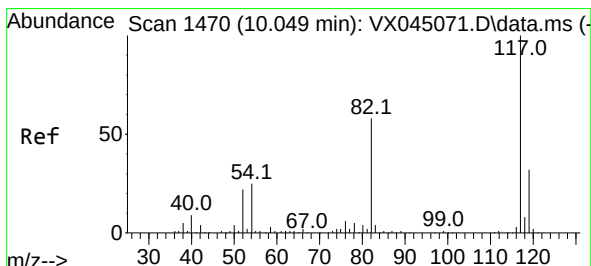
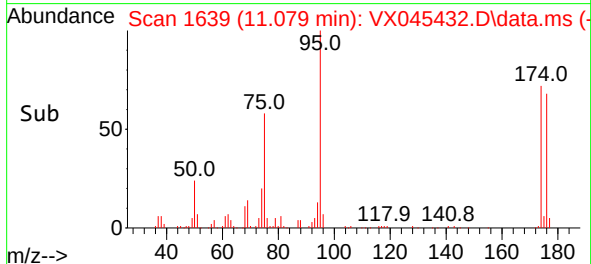
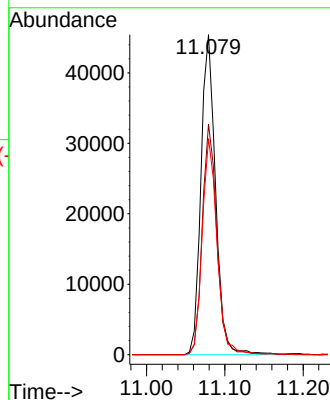
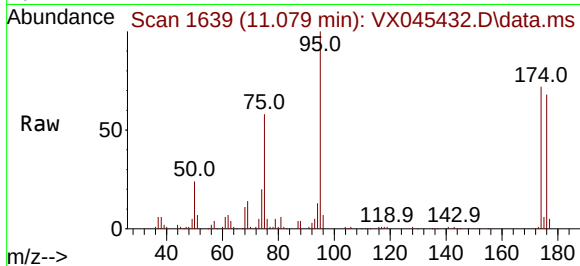




#62
4-Bromofluorobenzene
Concen: 55.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

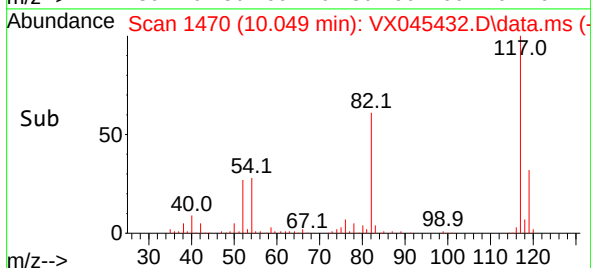
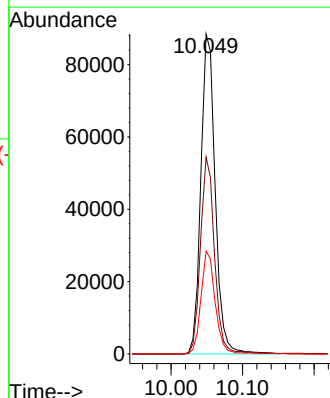
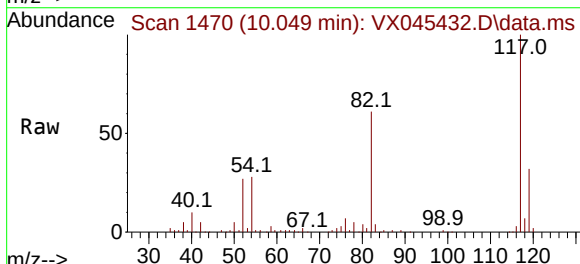
Instrument :
MSVOA_X
ClientSampleId :
VX0325MBL01

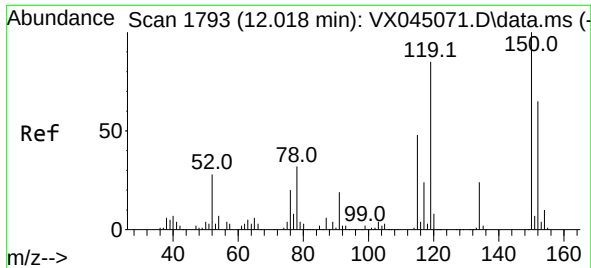
Tgt Ion: 95 Resp: 58866
Ion Ratio Lower Upper
95 100
174 71.7 0.0 148.2
176 68.8 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

Tgt Ion: 117 Resp: 123481
Ion Ratio Lower Upper
117 100
82 61.5 46.3 69.5
119 32.2 25.7 38.5

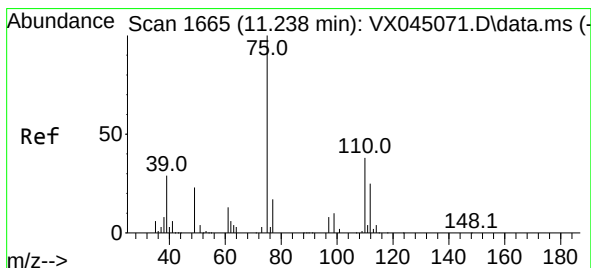
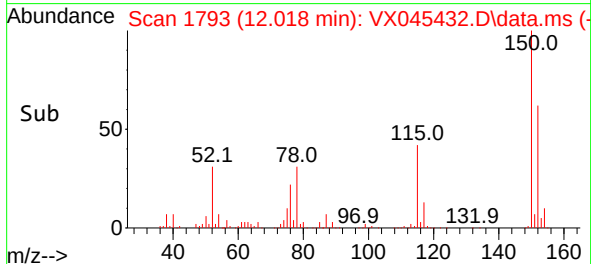
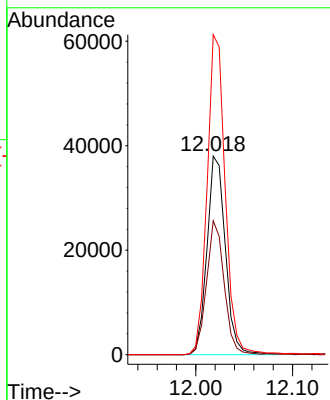
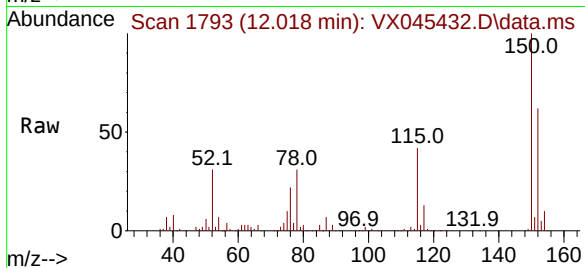




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

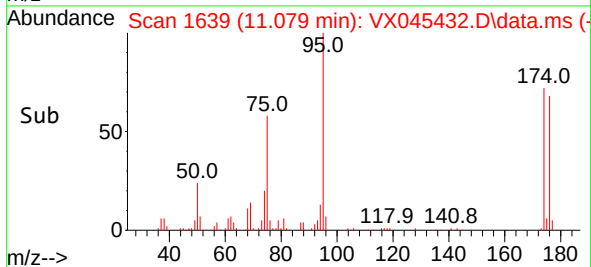
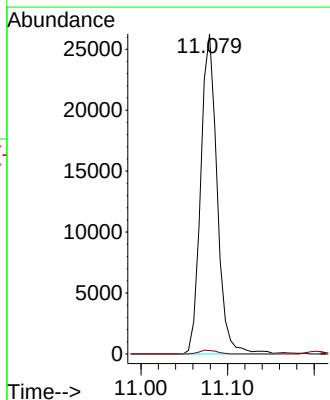
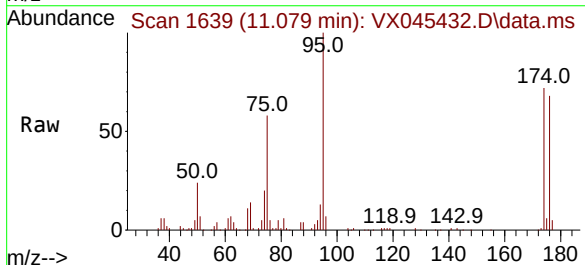
Instrument :
MSVOA_X
ClientSampleId :
VX0325MBL01

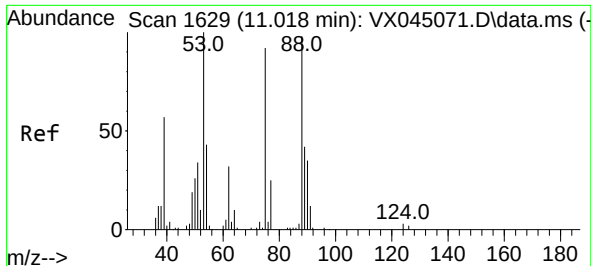
Tgt Ion:152 Resp: 50324
Ion Ratio Lower Upper
152 100
115 64.9 44.2 132.6
150 158.6 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 29.520 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

Tgt Ion: 75 Resp: 34577
Ion Ratio Lower Upper
75 100
77 1.3 20.7 62.1#

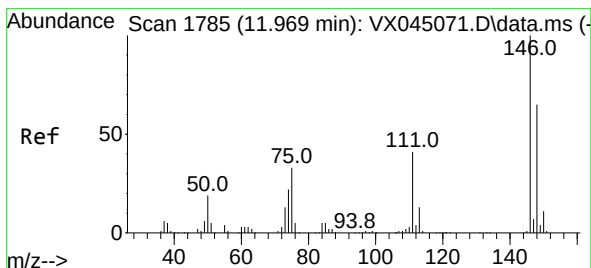
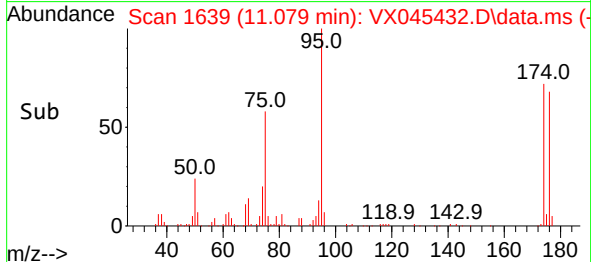
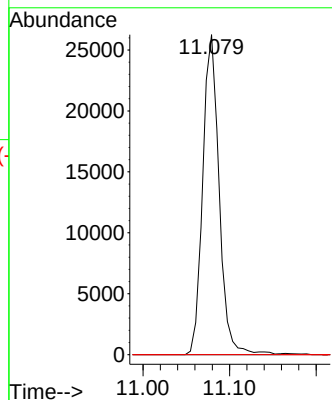
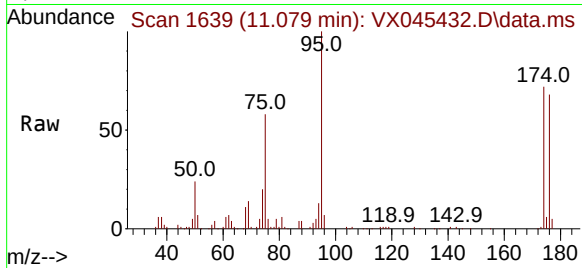




#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.024 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045432.D
 Acq: 25 Mar 2025 11:59

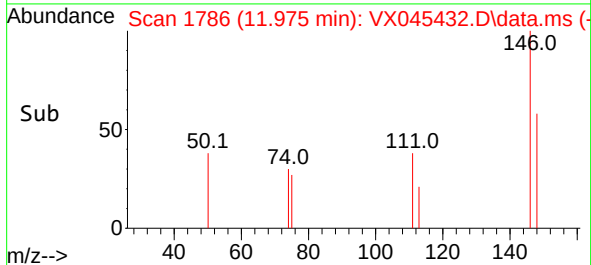
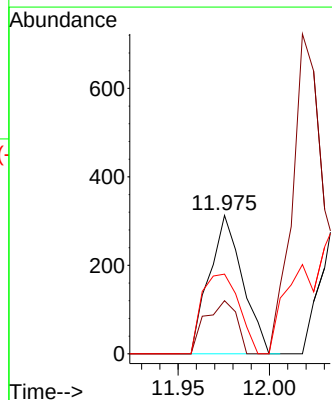
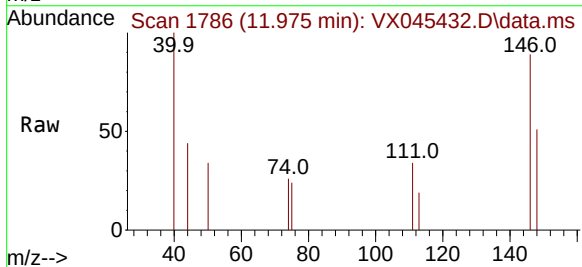
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325MBL01

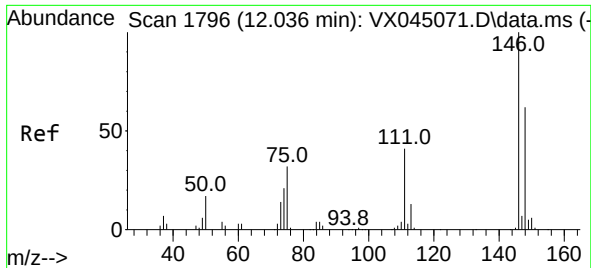
Tgt Ion: 75 Resp: 34577
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#



#87
 1,3-Dichlorobenzene
 Concen: 0.239 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. 0.006 min
 Lab File: VX045432.D
 Acq: 25 Mar 2025 11:59

Tgt Ion:146 Resp: 395
 Ion Ratio Lower Upper
 146 100
 111 35.9 21.1 63.4
 148 64.3 31.9 95.7

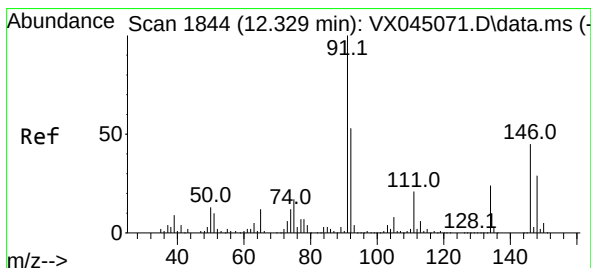
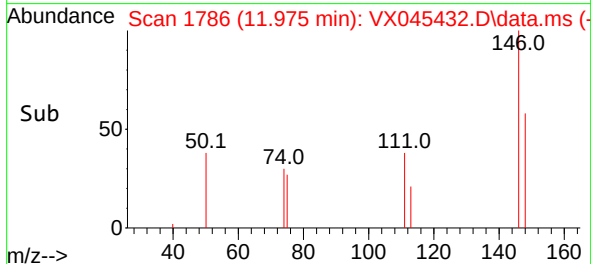
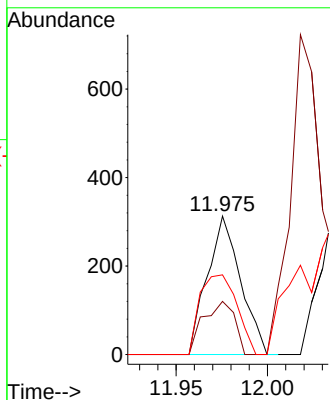
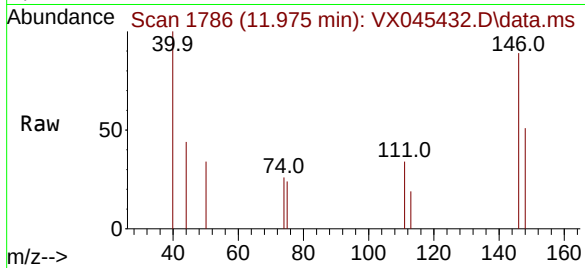




#88
1,4-Dichlorobenzene
Concen: 0.236 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

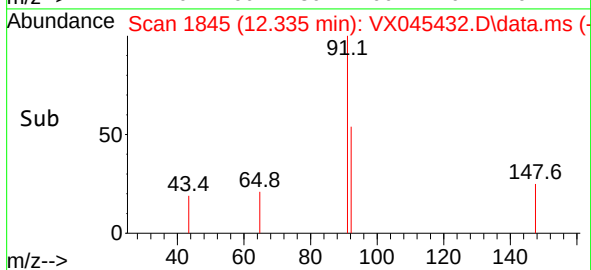
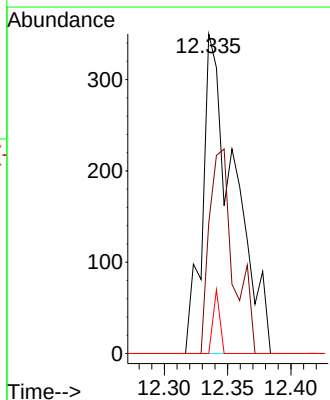
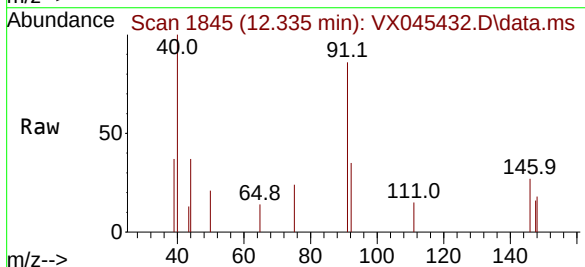
Instrument :
MSVOA_X
ClientSampleId :
VX0325MBL01

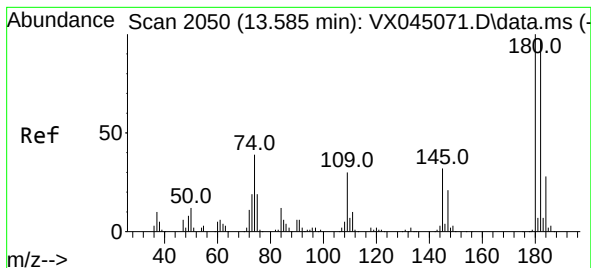
Tgt Ion:146	Resp:	395
Ion Ratio	Lower	Upper
146	100	
111	35.9	20.2 60.5
148	64.3	31.9 95.9



#89
n-Butylbenzene
Concen: 0.226 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX045432.D
Acq: 25 Mar 2025 11:59

Tgt Ion: 91	Resp:	614
Ion Ratio	Lower	Upper
91	100	
92	48.5	26.7 80.0
134	4.2	12.2 36.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.613 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX045432.D

Acq: 25 Mar 2025 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX0325MBL01

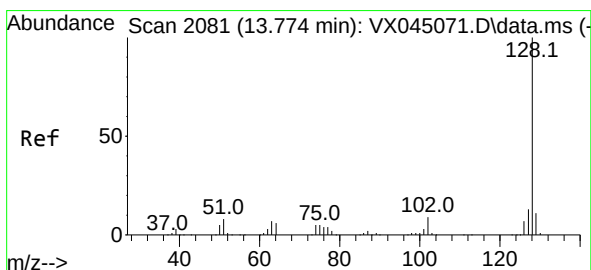
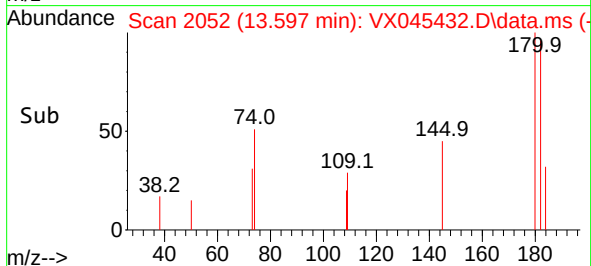
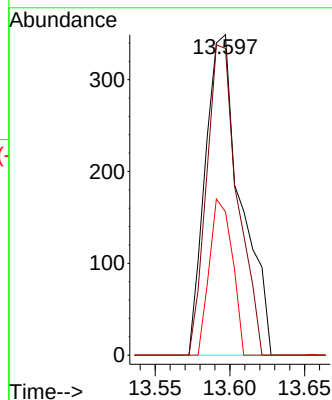
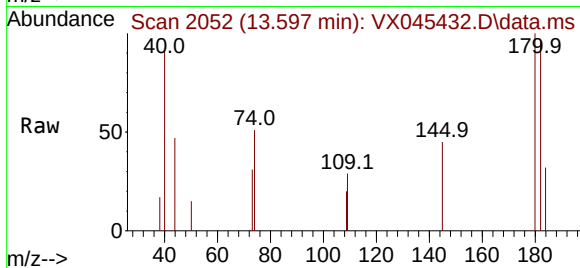
Tgt Ion:180 Resp: 579

Ion Ratio Lower Upper

180 100

182 84.5 47.3 141.9

145 31.3 16.3 48.9



#95

Naphthalene

Concen: 0.847 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX045432.D

Acq: 25 Mar 2025 11:59

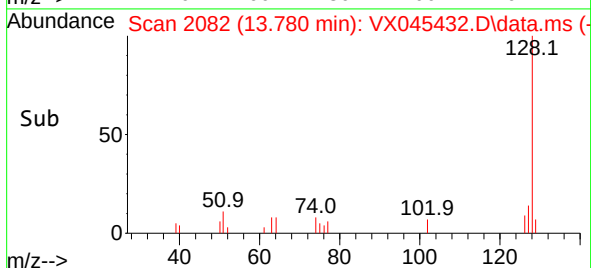
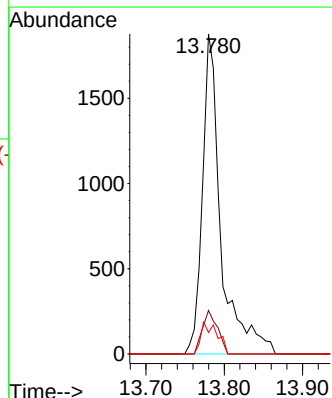
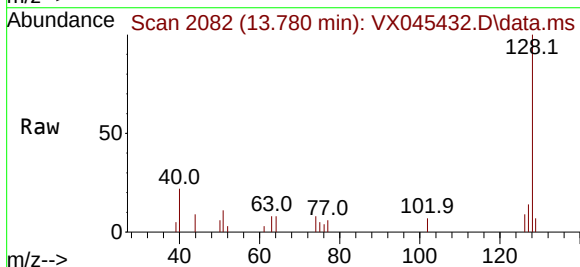
Tgt Ion:128 Resp: 3074

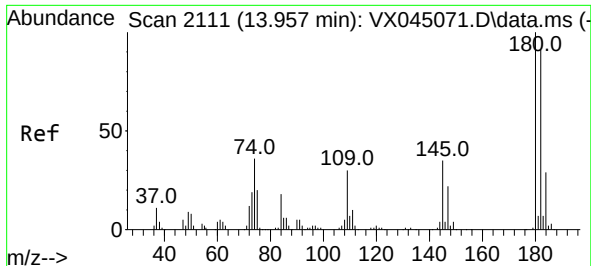
Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

129 8.8 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.671 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045432.D

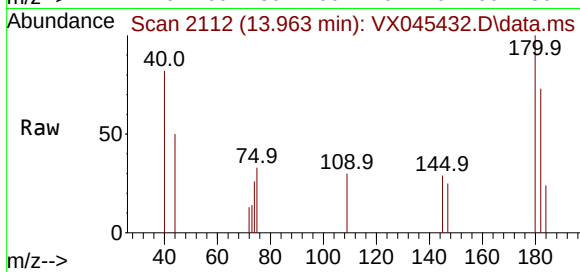
Acq: 25 Mar 2025 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX0325MBL01



Tgt Ion:180 Resp: 668

Ion Ratio Lower Upper

180 100

182 84.6 47.5 142.6

145 23.5 17.0 50.9

