

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042525\
 Data File : VX045933.D
 Acq On : 25 Apr 2025 10:38
 Operator : JC/MD
 Sample : VX0425MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425MBL01

Quant Time: Apr 25 22:57:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

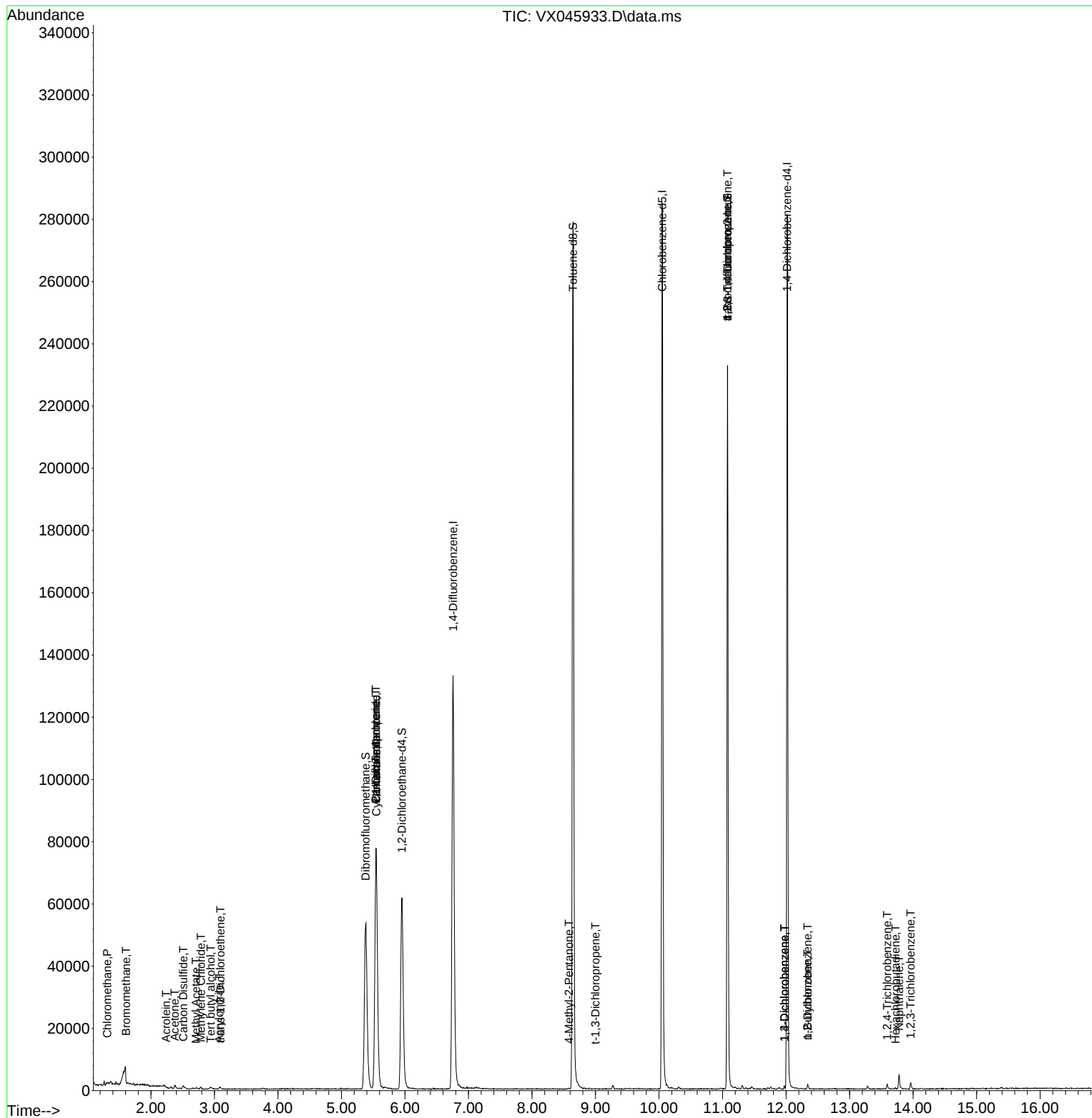
Internal Standards						
1) Pentafluorobenzene	5.544	168	65193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128147	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64837	54.384	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.760%			
35) Dibromofluoromethane	5.379	113	46314	50.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.880%			
50) Toluene-d8	8.647	98	159259	50.184	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	61728	53.401	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.800%			
Target Compounds					Qvalue	
3) Chloromethane	1.313	50	930	0.929	ug/l	98
5) Bromomethane	1.605	94	158	0.364	ug/l #	3
11) Tert butyl alcohol	2.940	59	343	2.141	ug/l #	72
13) Acrolein	2.239	56	150	0.680	ug/l #	30
15) Acrylonitrile	3.075	53	316	0.625	ug/l #	73
16) Acetone	2.373	43	976	1.994	ug/l #	86
17) Carbon Disulfide	2.508	76	1036	0.536	ug/l	99
18) Methyl Acetate	2.709	43	535	0.475	ug/l #	54
20) Methylene Chloride	2.788	84	297	0.324	ug/l #	92
21) trans-1,2-Dichloroethene	3.093	96	184	0.230	ug/l #	83
31) Cyclohexane	5.550	56	1901	1.300	ug/l #	34
36) 1,1-Dichloropropene	5.544	75	6635	5.405	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7617	5.741	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	315	0.203	ug/l #	39
53) t-1,3-Dichloropropene	9.000	75	25	2.306	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	35200	29.028	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35200	98.518	ug/l #	1
87) 1,3-Dichlorobenzene	11.975	146	385	0.230	ug/l	90
88) 1,4-Dichlorobenzene	11.975	146	385	0.227	ug/l	91
89) n-Butylbenzene	12.341	91	578	0.202	ug/l	84
91) 1,2-Dichlorobenzene	12.341	146	382	0.229	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	583	0.629	ug/l	89
94) Hexachlorobutadiene	13.725	225	166	0.416	ug/l #	45
95) Naphthalene	13.780	128	3391	0.983	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	677	0.698	ug/l	99

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

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Sample : VX0425MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
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Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

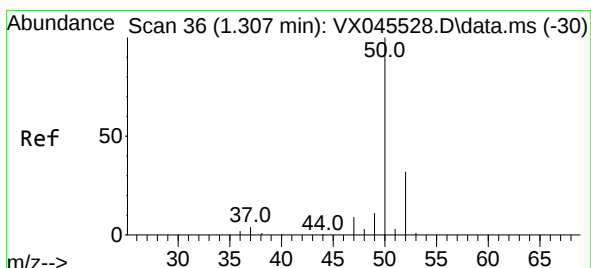
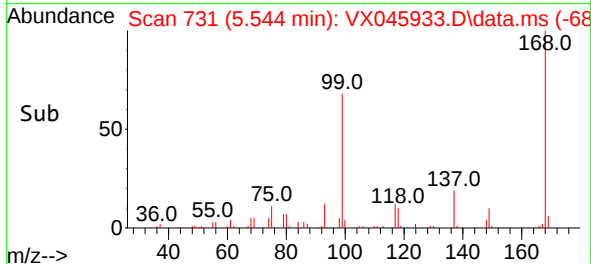
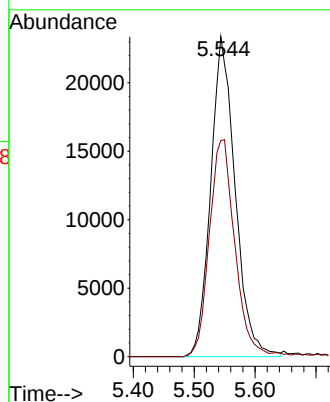
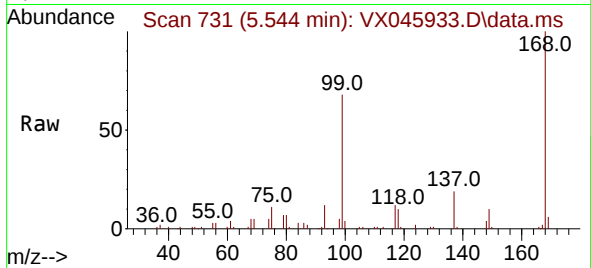




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

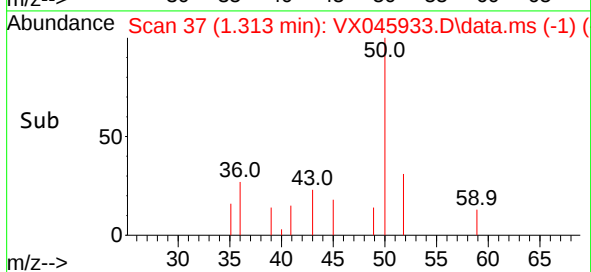
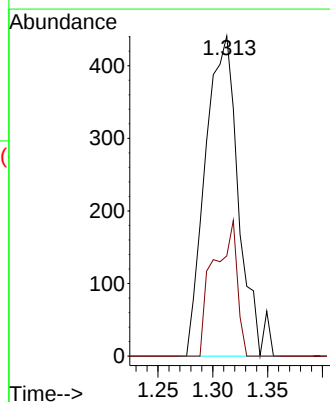
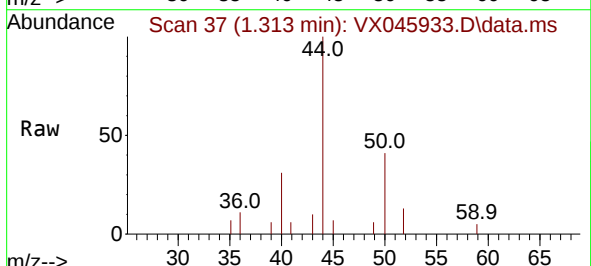
Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

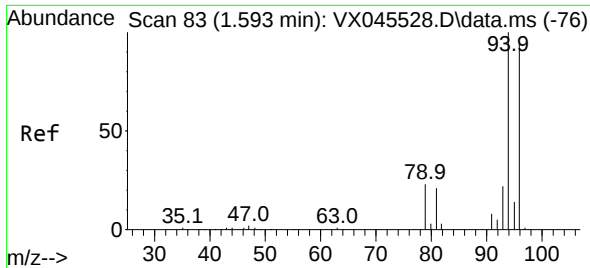
Tgt Ion:168 Resp: 65193
Ion Ratio Lower Upper
168 100
99 67.6 52.3 78.5



#3
Chloromethane
Concen: 0.929 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

Tgt Ion: 50 Resp: 930
Ion Ratio Lower Upper
50 100
52 31.3 25.9 38.9

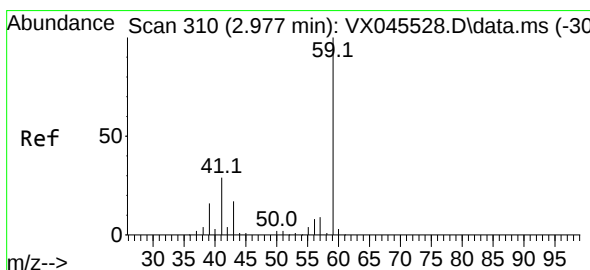
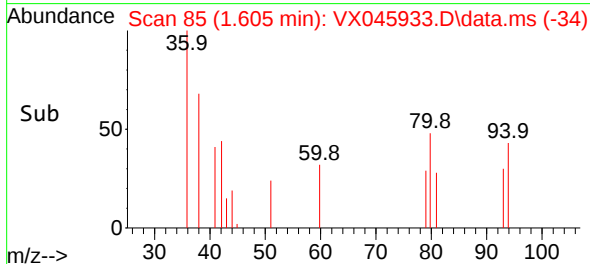
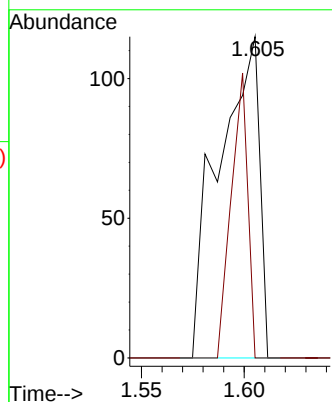
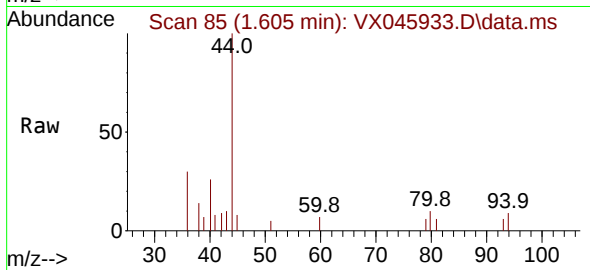




#5
Bromomethane
Concen: 0.364 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

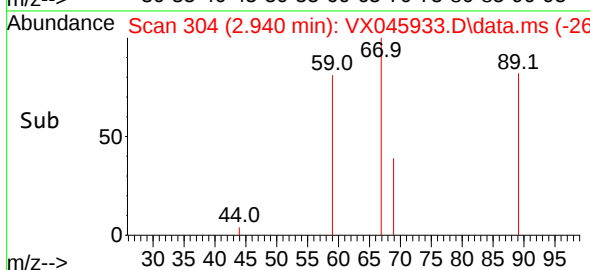
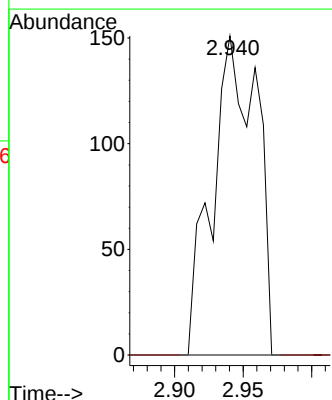
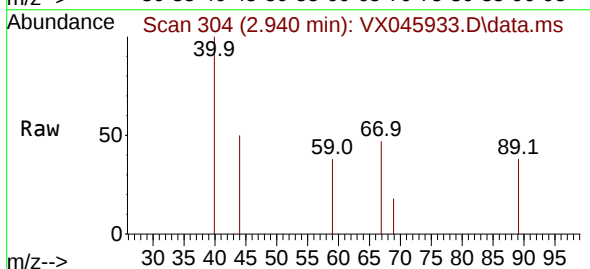
Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

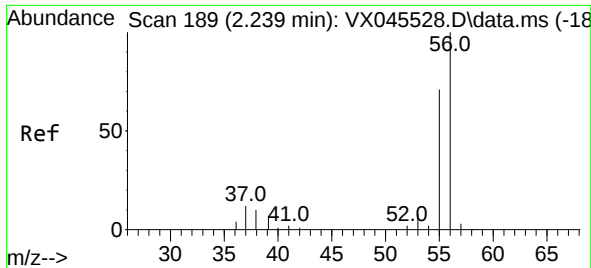
Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 2.141 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

Tgt Ion: 59 Resp: 343
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.680 ug/l

RT: 2.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045933.D

Acq: 25 Apr 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

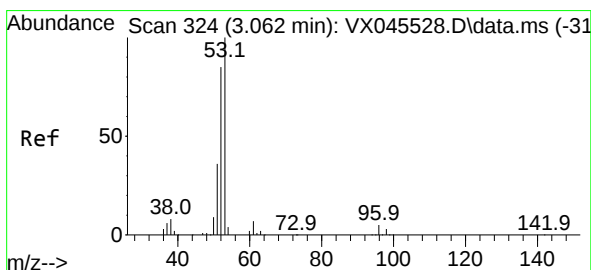
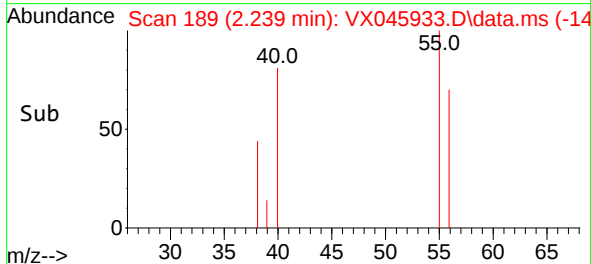
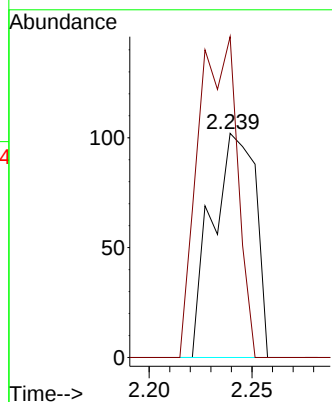
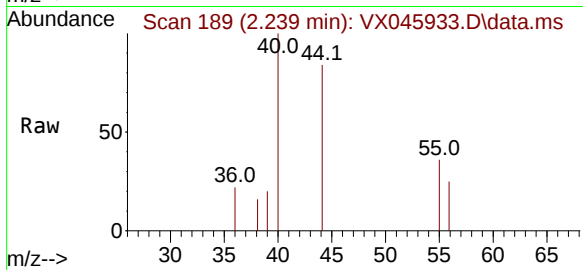
VX0425MBL01

Tgt Ion: 56 Resp: 150

Ion Ratio Lower Upper

56 100

55 128.0 56.2 84.2#



#15

Acrylonitrile

Concen: 0.625 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.012 min

Lab File: VX045933.D

Acq: 25 Apr 2025 10:38

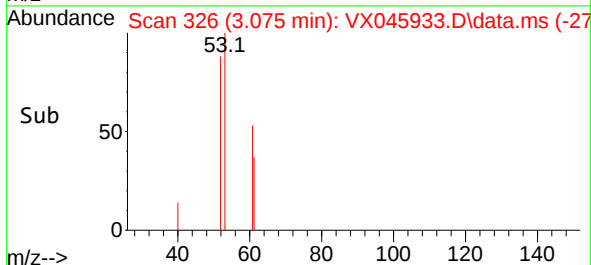
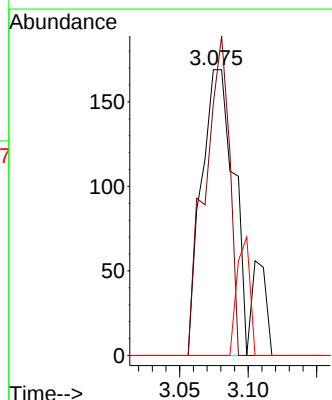
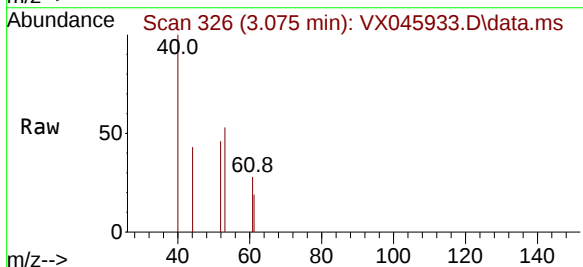
Tgt Ion: 53 Resp: 316

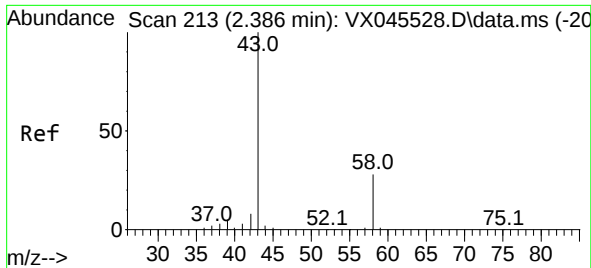
Ion Ratio Lower Upper

53 100

52 74.1 67.4 101.2

51 0.0 29.9 44.9#

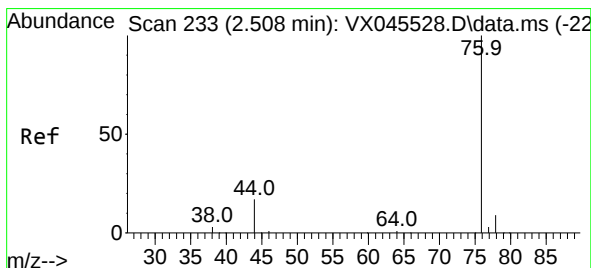
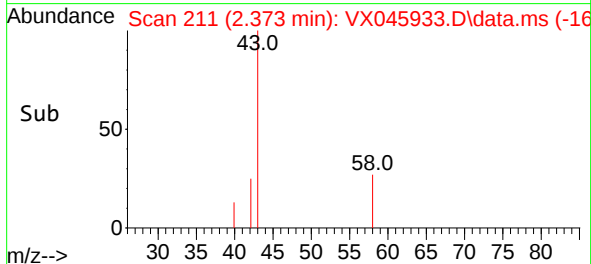
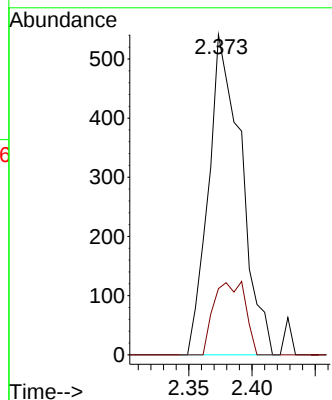
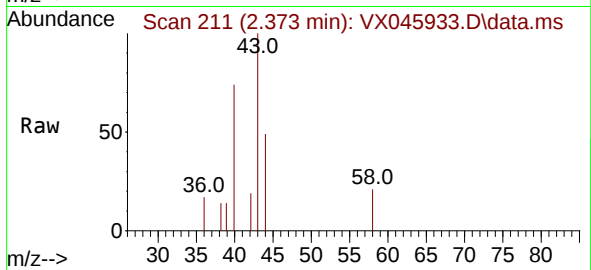




#16
Acetone
Concen: 1.994 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.012 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

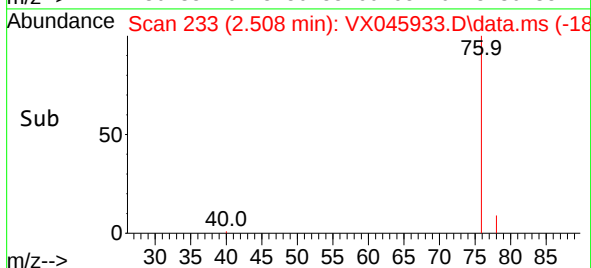
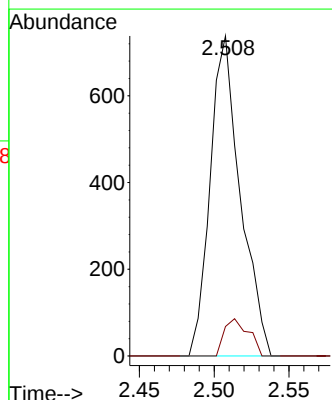
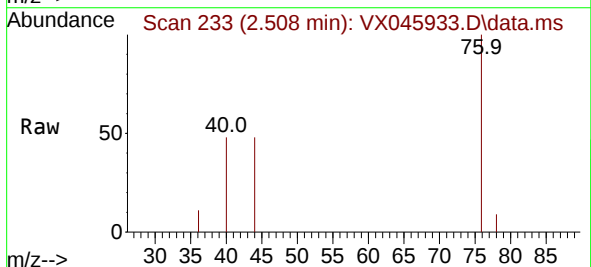
Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

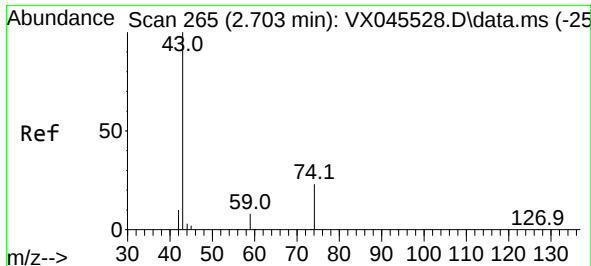
Tgt Ion: 43 Resp: 976
Ion Ratio Lower Upper
43 100
58 20.7 22.3 33.5#



#17
Carbon Disulfide
Concen: 0.536 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

Tgt Ion: 76 Resp: 1036
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

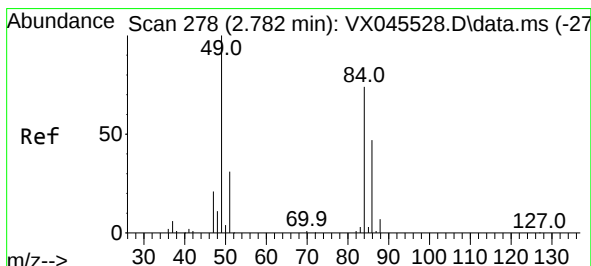
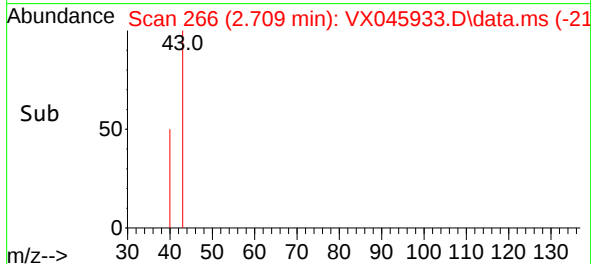
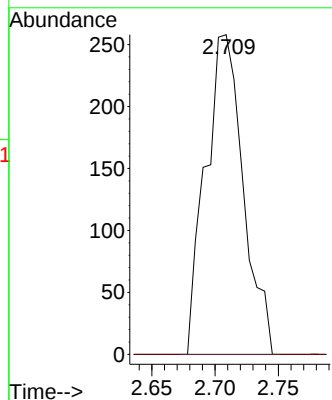
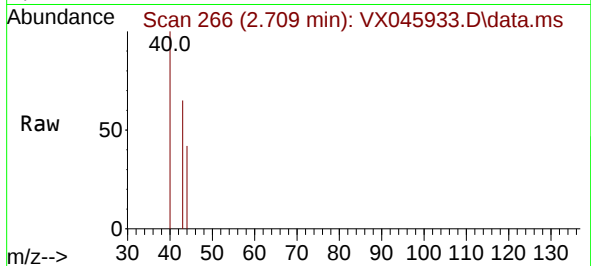




#18
Methyl Acetate
Concen: 0.475 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

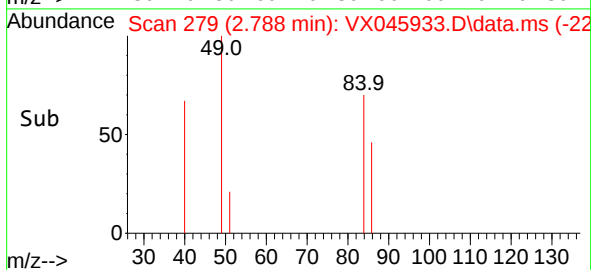
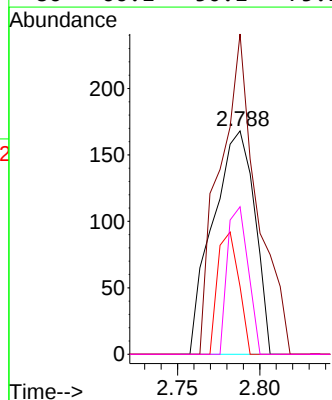
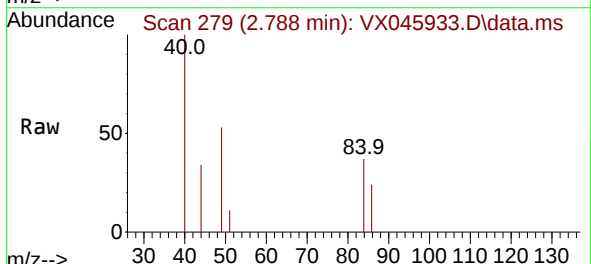
Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

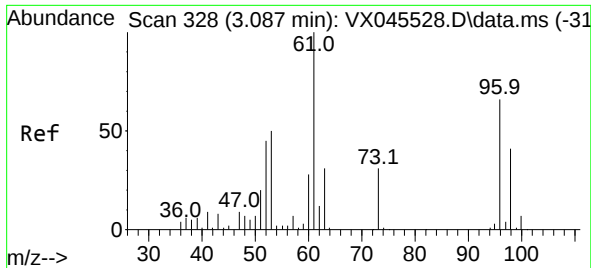
Tgt Ion: 43 Resp: 535
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.324 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

Tgt Ion: 84 Resp: 297
Ion Ratio Lower Upper
84 100
49 143.5 107.5 161.3
51 30.4 33.0 49.6#
86 66.1 50.1 75.1

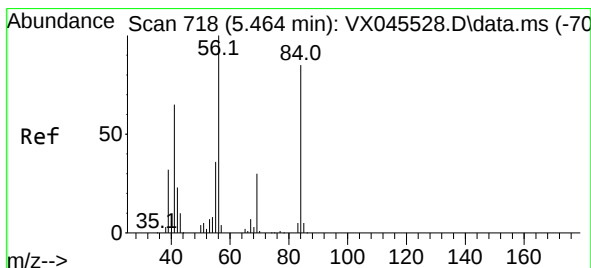
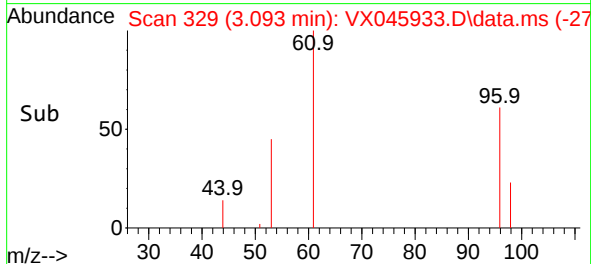
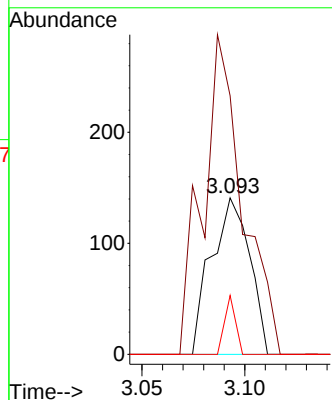
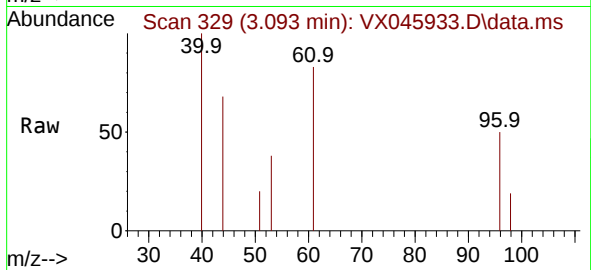




#21
trans-1,2-Dichloroethene
Concen: 0.230 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

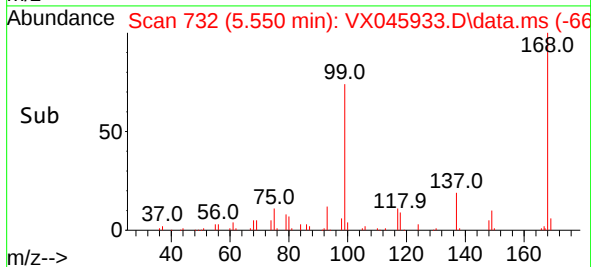
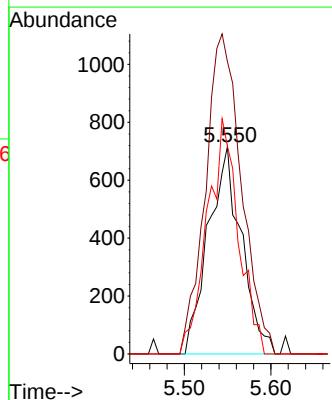
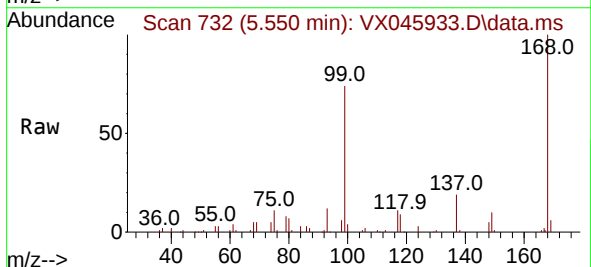
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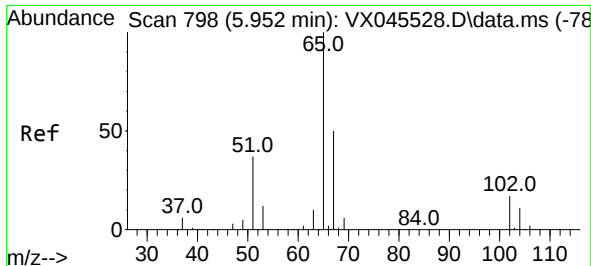
Tgt Ion: 96 Resp: 184
Ion Ratio Lower Upper
96 100
61 165.2 121.0 181.6
98 37.6 49.7 74.5#



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

Tgt Ion: 56 Resp: 1901
Ion Ratio Lower Upper
56 100
69 141.1 23.6 35.4#
84 100.3 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 54.384 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045933.D

Acq: 25 Apr 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

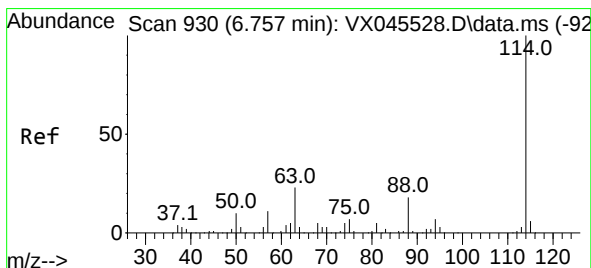
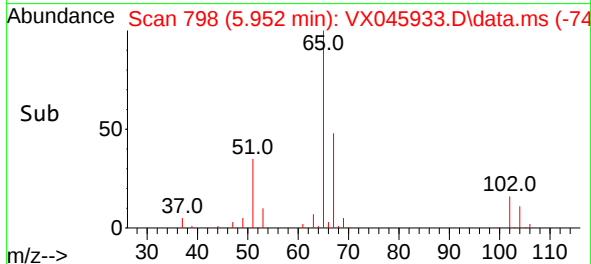
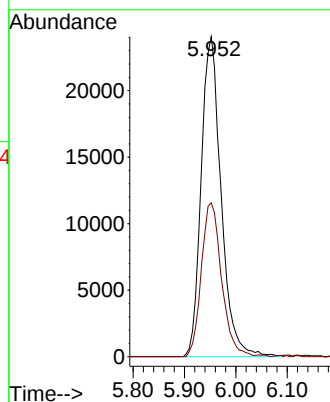
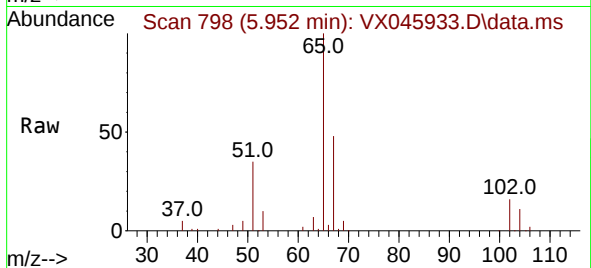
VX0425MBL01

Tgt Ion: 65 Resp: 64837

Ion Ratio Lower Upper

65 100

67 48.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045933.D

Acq: 25 Apr 2025 10:38

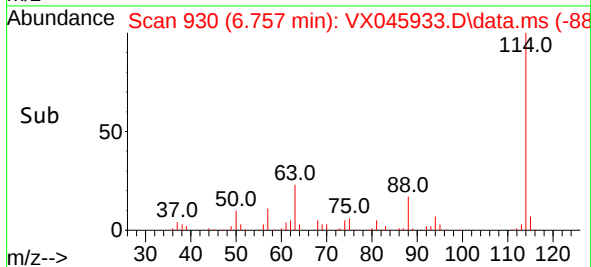
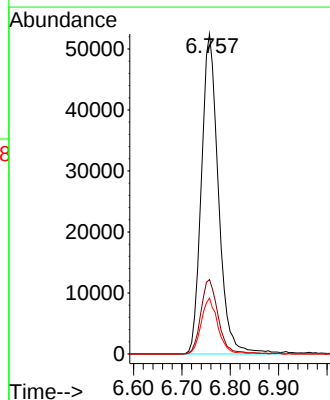
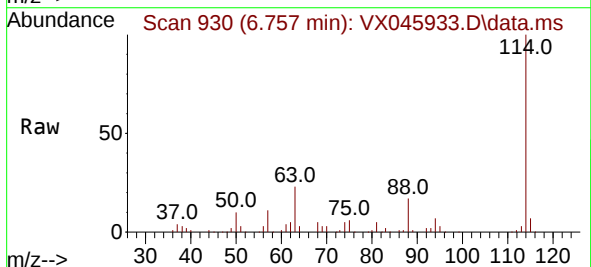
Tgt Ion: 114 Resp: 128147

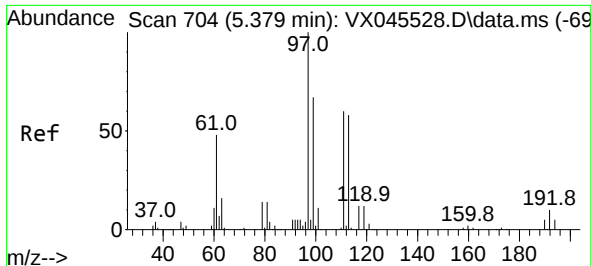
Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.8

88 17.5 0.0 35.4

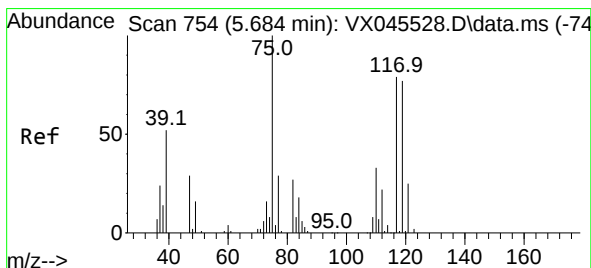
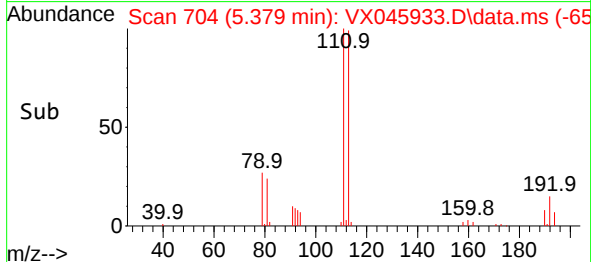
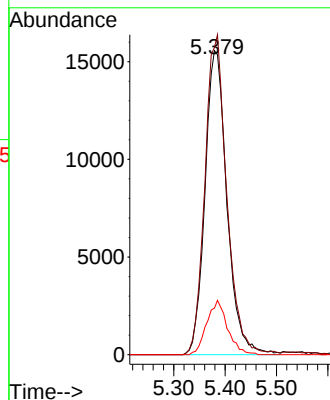
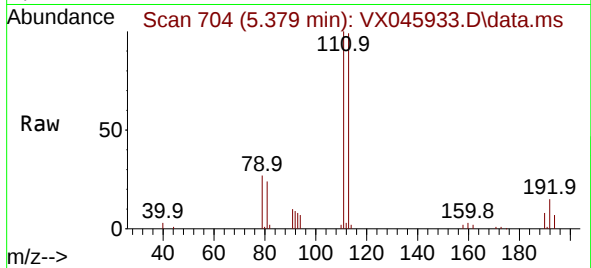




#35
Dibromofluoromethane
Concen: 50.939 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

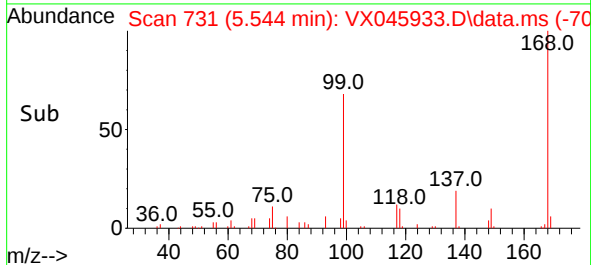
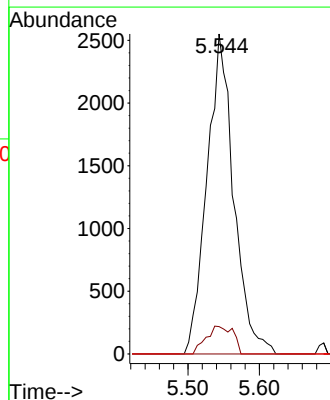
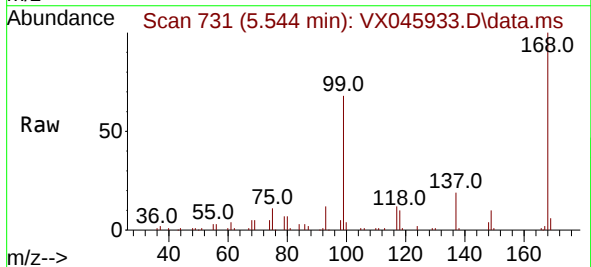
Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

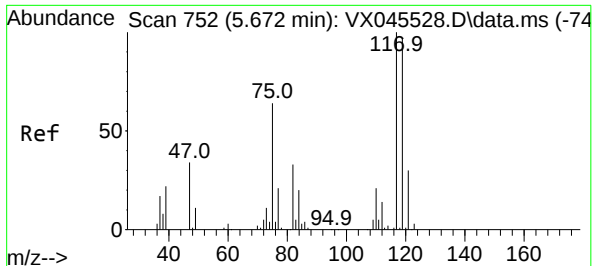
Tgt Ion:113 Resp: 46314
Ion Ratio Lower Upper
113 100
111 104.4 81.8 122.6
192 16.9 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.405 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

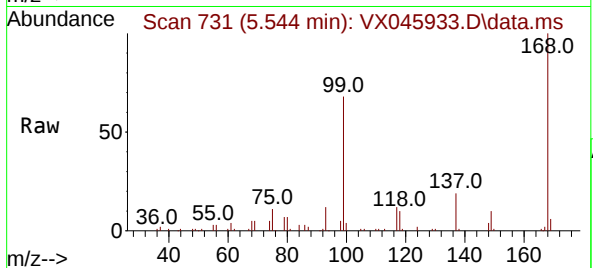
Tgt Ion: 75 Resp: 6635
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.6#
77 0.0 25.0 37.4#



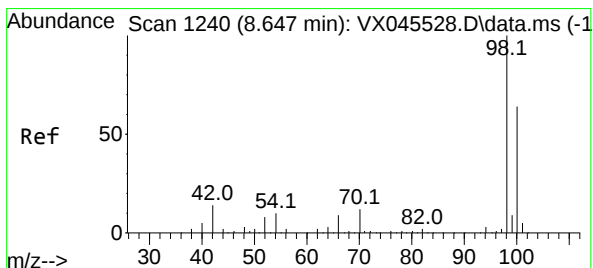
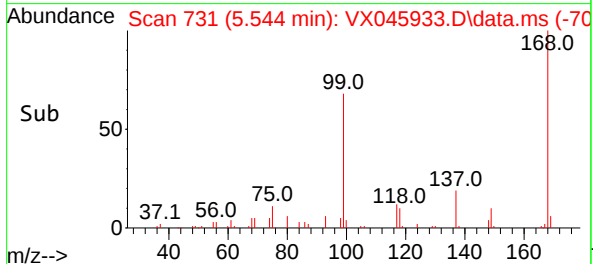
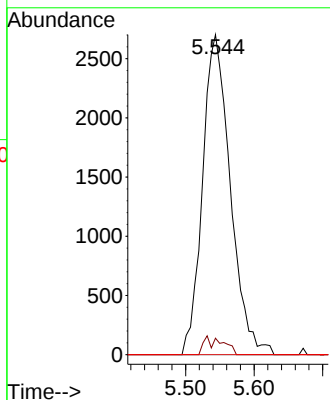


#38
Carbon Tetrachloride
Concen: 5.741 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

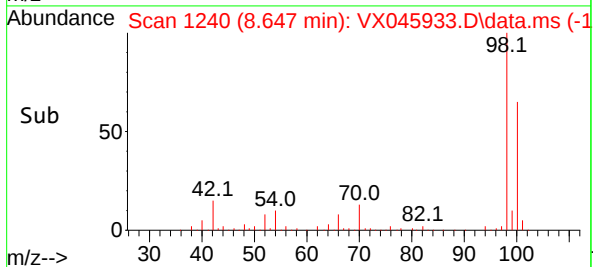
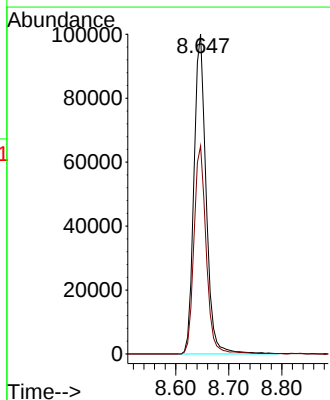
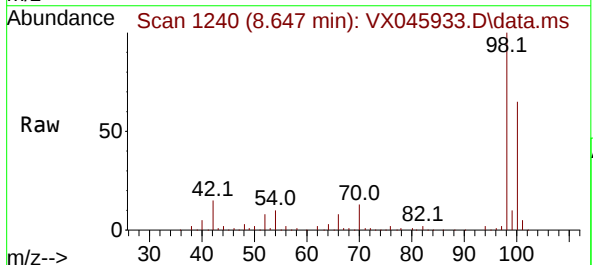


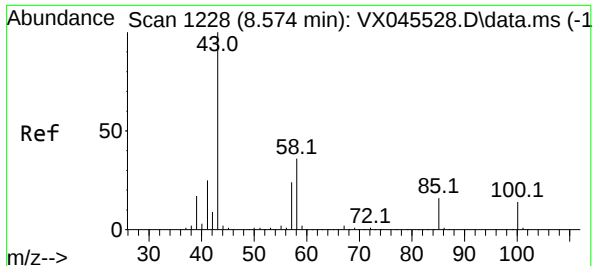
Tgt Ion:117 Resp: 7617
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.184 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

Tgt Ion: 98 Resp: 159259
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.203 ug/l

RT: 8.580 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX045933.D

Acq: 25 Apr 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

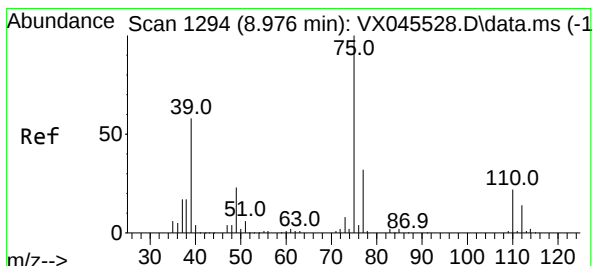
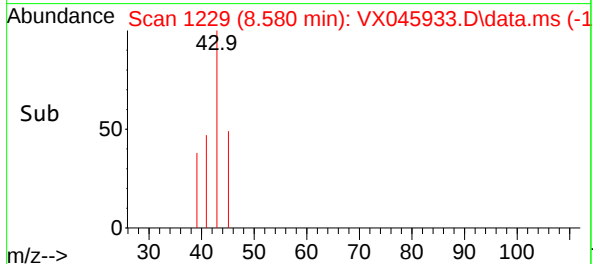
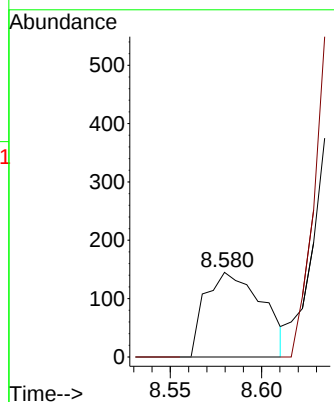
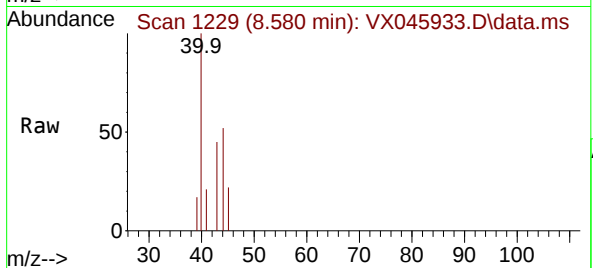
VX0425MBL01

Tgt Ion: 43 Resp: 315

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#



#53

t-1,3-Dichloropropene

Concen: 2.306 ug/l

RT: 9.000 min Scan# 1298

Delta R.T. 0.024 min

Lab File: VX045933.D

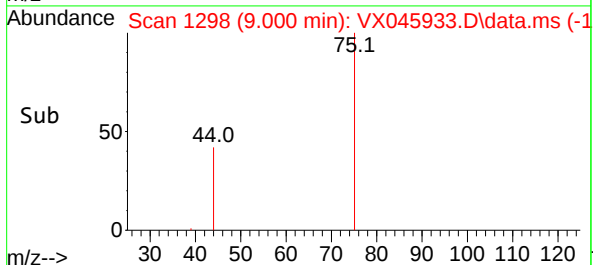
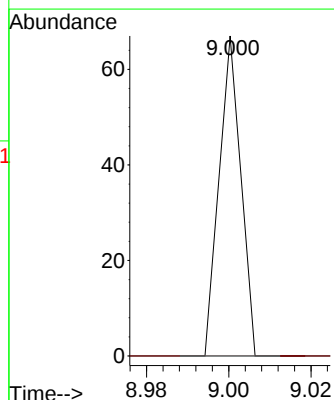
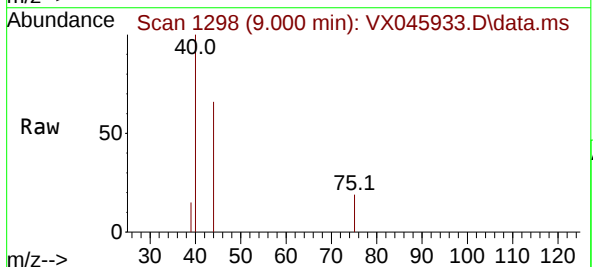
Acq: 25 Apr 2025 10:38

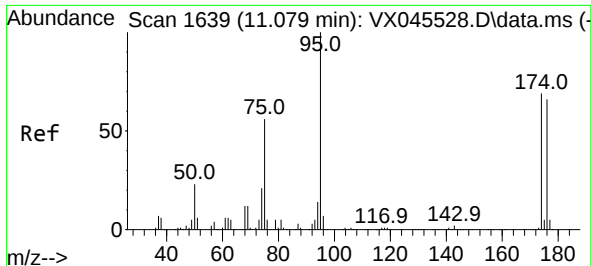
Tgt Ion: 75 Resp: 25

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

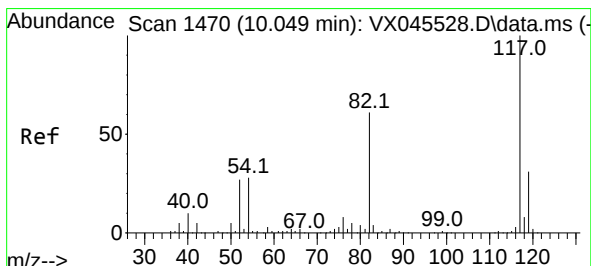
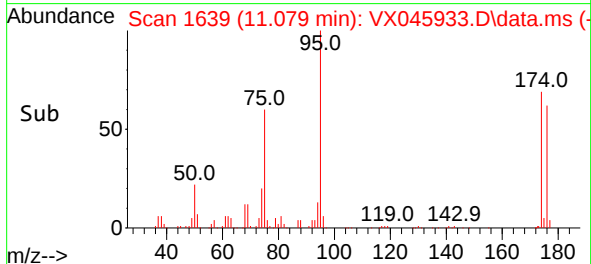
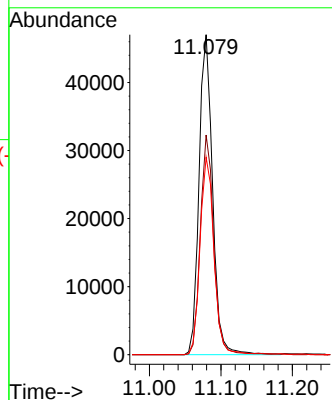
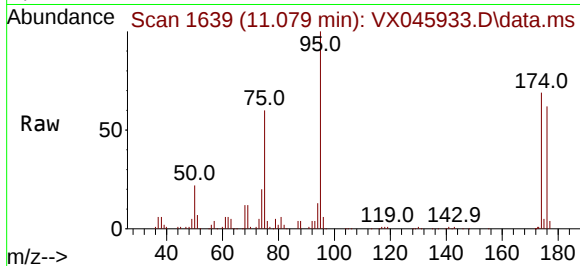




#62
4-Bromofluorobenzene
Concen: 53.401 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

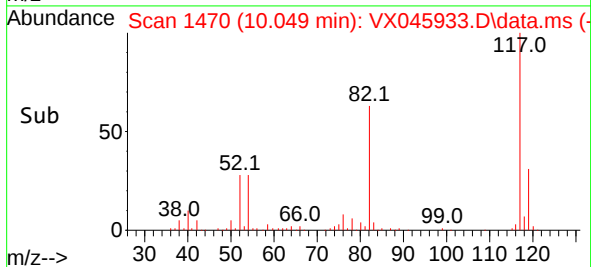
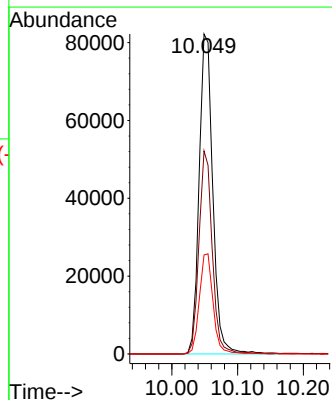
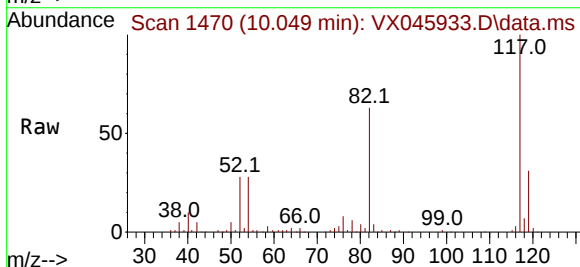
Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

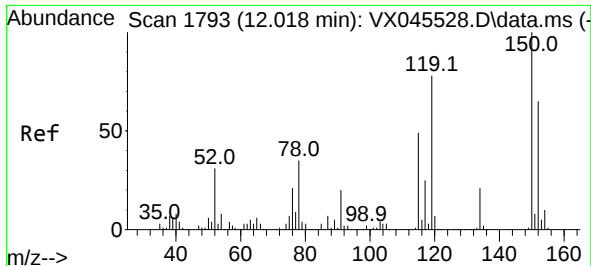
Tgt Ion: 95 Resp: 61728
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.8
176 63.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

Tgt Ion: 117 Resp: 119004
Ion Ratio Lower Upper
117 100
82 63.5 49.2 73.8
119 30.9 25.1 37.7

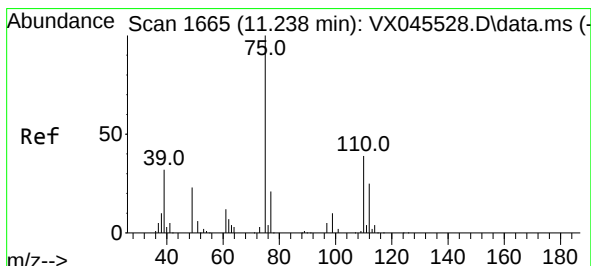
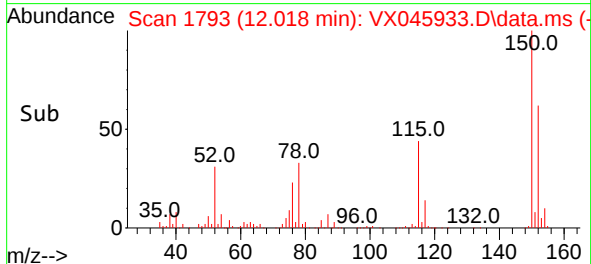
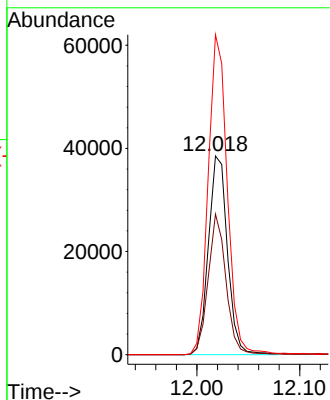
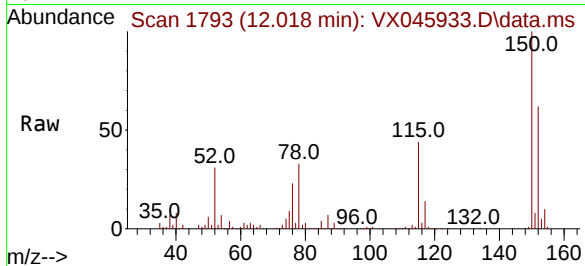




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045933.D
 Acq: 25 Apr 2025 10:38

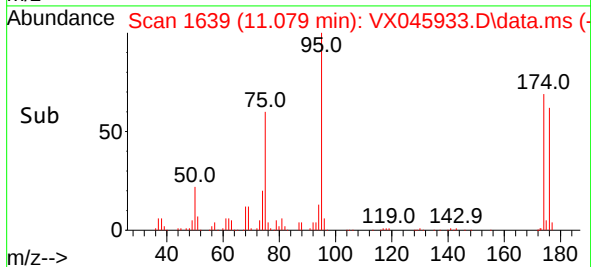
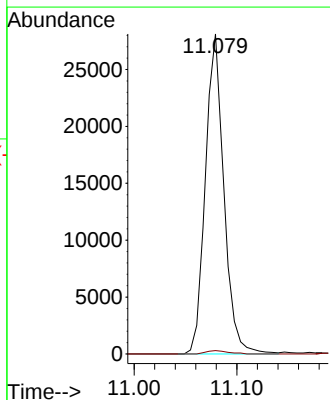
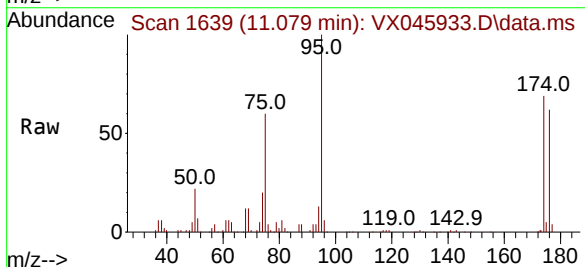
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425MBL01

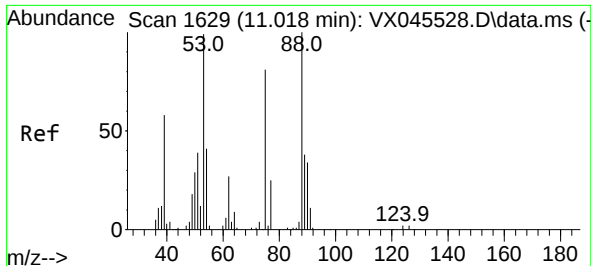
Tgt Ion:152 Resp: 49713
 Ion Ratio Lower Upper
 152 100
 115 66.7 46.9 140.7
 150 161.2 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 29.028 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045933.D
 Acq: 25 Apr 2025 10:38

Tgt Ion: 75 Resp: 35200
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.0 59.9#

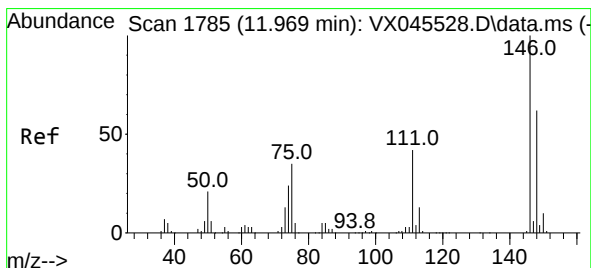
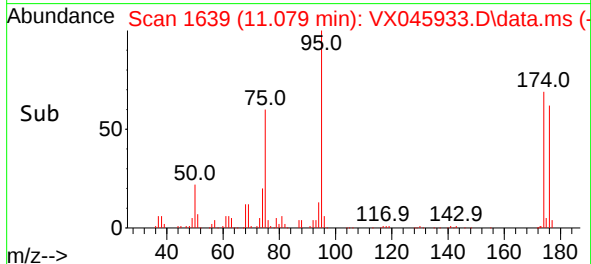
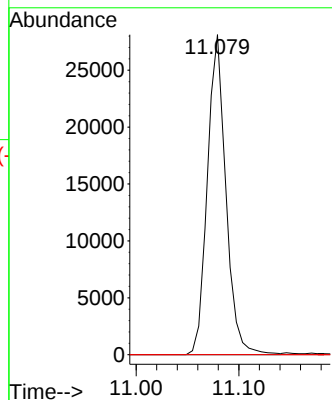
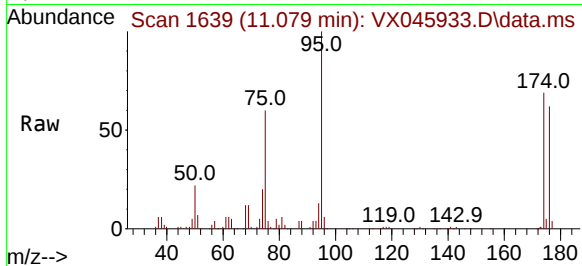




#81
trans-1,4-Dichloro-2-butene
Concen: 98.518 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

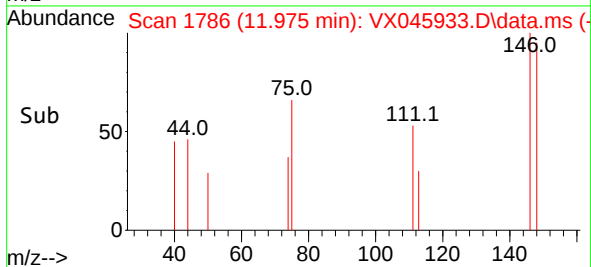
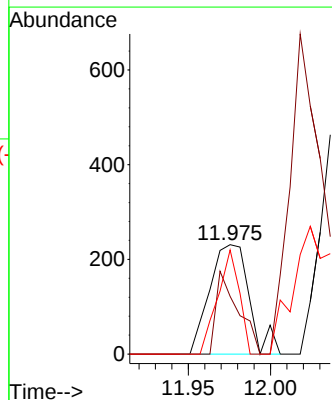
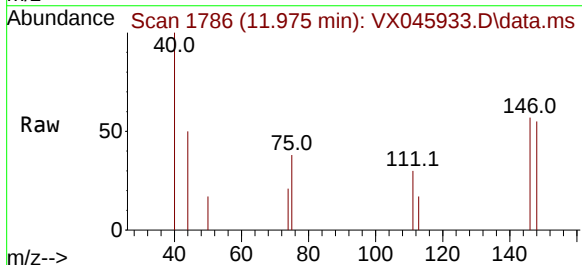
Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

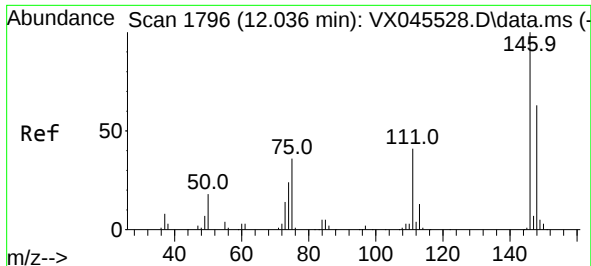
Tgt Ion: 75 Resp: 35200
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#87
1,3-Dichlorobenzene
Concen: 0.230 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

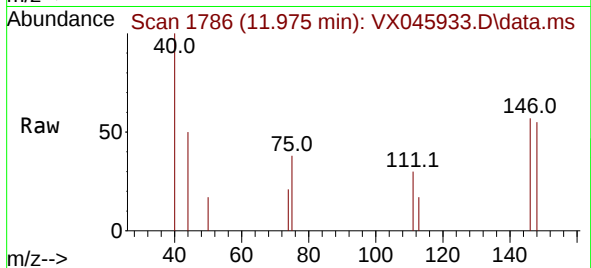
Tgt Ion:146 Resp: 385
Ion Ratio Lower Upper
146 100
111 42.6 22.2 66.6
148 52.5 31.9 95.7



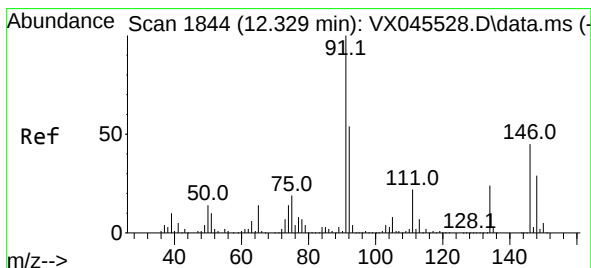
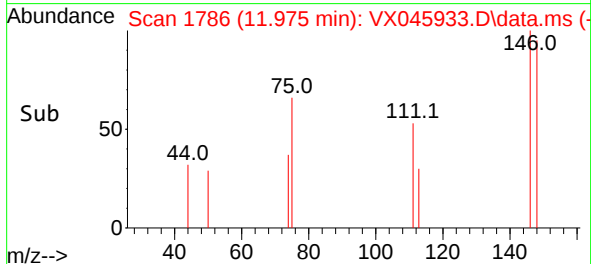
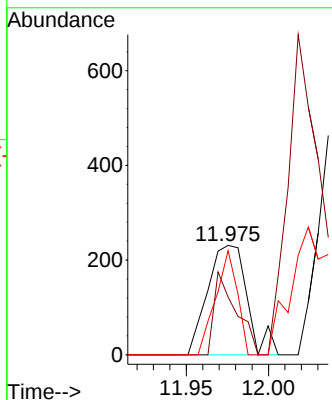


#88
1,4-Dichlorobenzene
Concen: 0.227 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

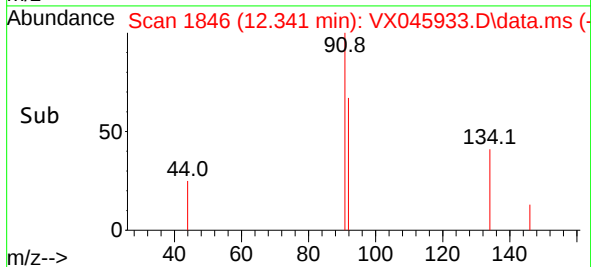
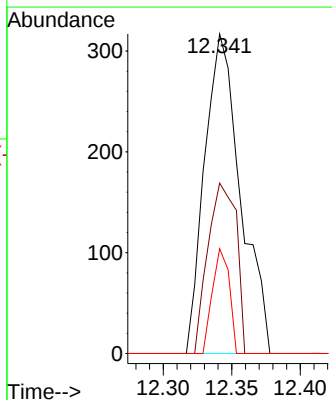
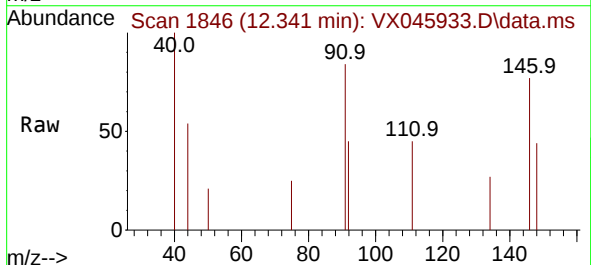


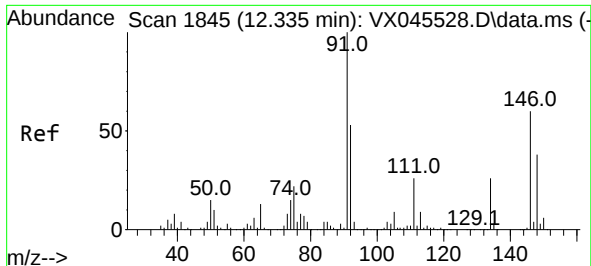
Tgt Ion:146 Resp: 385
Ion Ratio Lower Upper
146 100
111 42.6 20.9 62.8
148 52.5 31.5 94.5



#89
n-Butylbenzene
Concen: 0.202 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.012 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

Tgt Ion: 91 Resp: 578
Ion Ratio Lower Upper
91 100
92 42.2 26.9 80.6
134 15.4 11.9 35.7

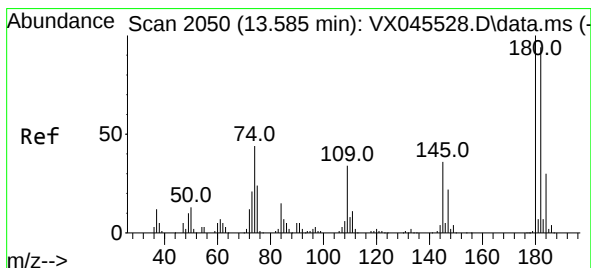
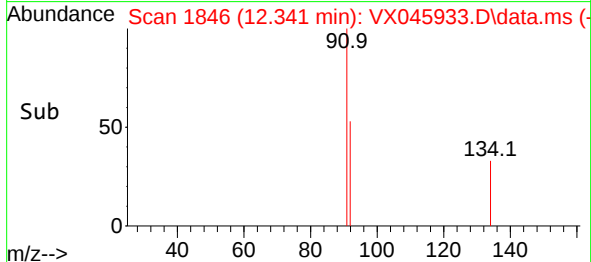
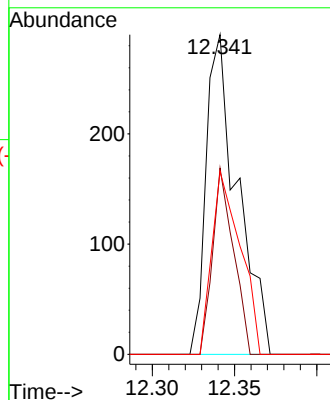
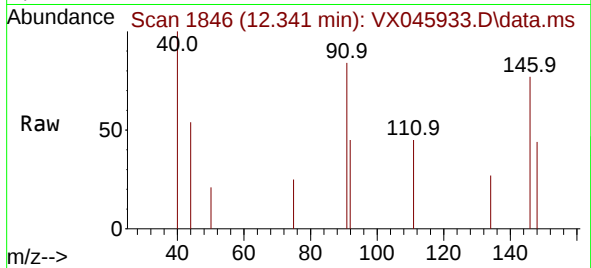




#91
1,2-Dichlorobenzene
Concen: 0.229 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

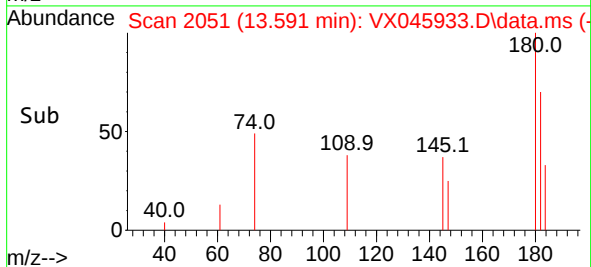
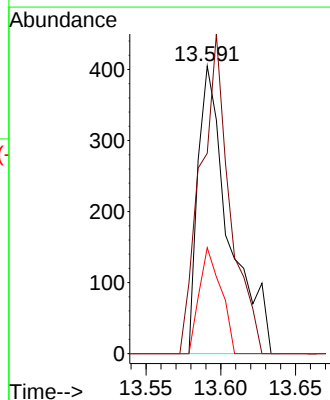
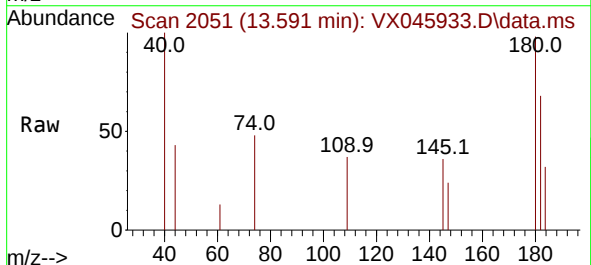
Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

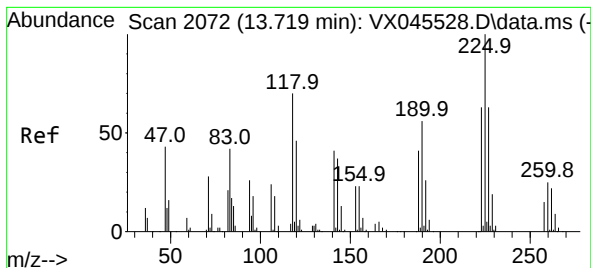
Tgt Ion:146 Resp: 382
Ion Ratio Lower Upper
146 100
111 39.0 22.9 68.8
148 52.4 31.9 95.5



#93
1,2,4-Trichlorobenzene
Concen: 0.629 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045933.D
Acq: 25 Apr 2025 10:38

Tgt Ion:180 Resp: 583
Ion Ratio Lower Upper
180 100
182 104.6 47.9 143.6
145 25.7 17.9 53.8





#94

Hexachlorobutadiene

Concen: 0.416 ug/l

RT: 13.725 min Scan# 2072

Delta R.T. 0.006 min

Lab File: VX045933.D

Acq: 25 Apr 2025 10:38

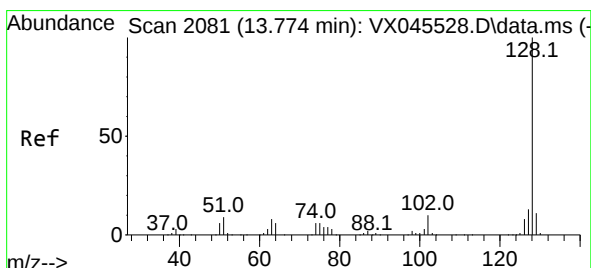
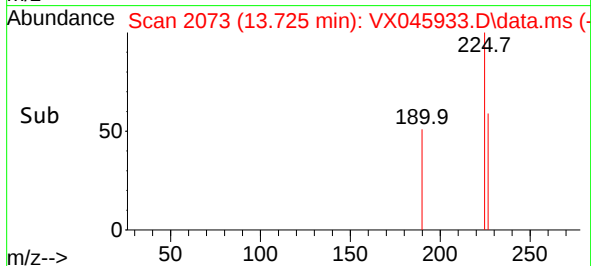
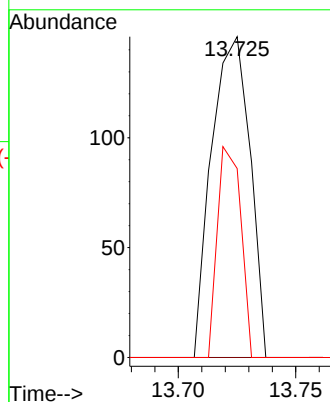
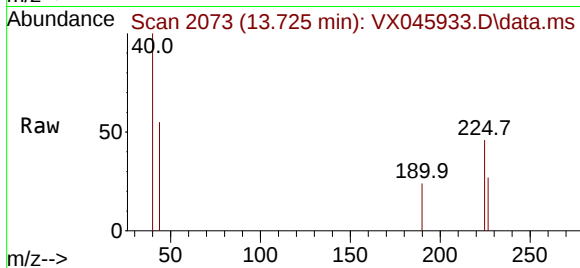
Instrument :

MSVOA_X

ClientSampleId :

VX0425MBL01

Tgt Ion:225	Resp:	166
Ion Ratio	Lower	Upper
225	100	
223	0.0	31.1 93.3#
227	40.4	32.2 96.6



#95

Naphthalene

Concen: 0.983 ug/l

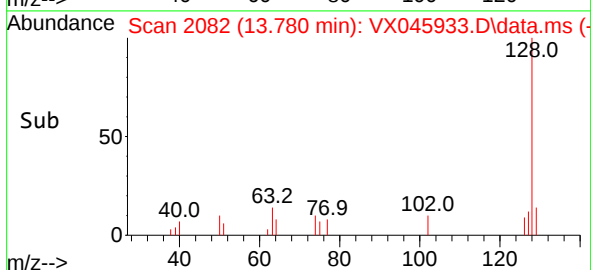
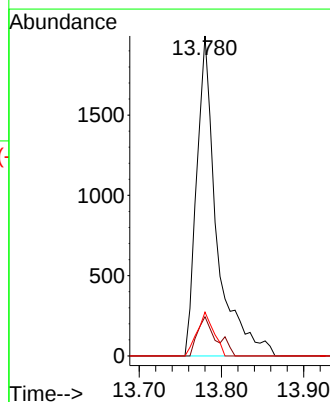
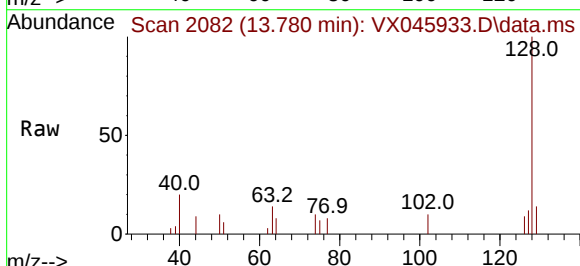
RT: 13.780 min Scan# 2082

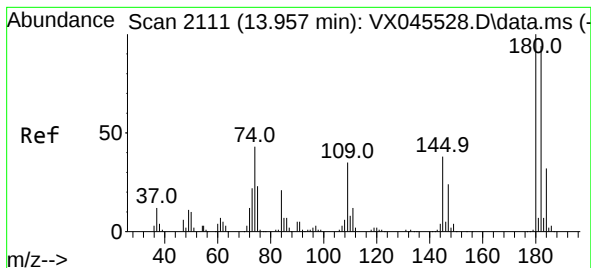
Delta R.T. 0.006 min

Lab File: VX045933.D

Acq: 25 Apr 2025 10:38

Tgt Ion:128	Resp:	3391
Ion Ratio	Lower	Upper
128	100	
127	11.4	10.3 15.5
129	11.3	8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 0.698 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045933.D

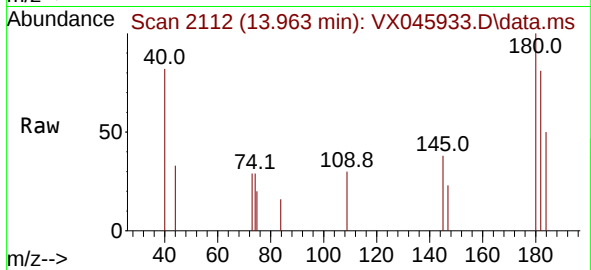
Acq: 25 Apr 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX0425MBL01



Tgt Ion:180 Resp: 677

Ion Ratio Lower Upper

180 100

182 94.7 47.3 141.8

145 33.5 18.2 54.6

