

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045601.D
 Acq On : 04 Apr 2025 15:56
 Operator : JC/MD
 Sample : PB167448TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448TB

Quant Time: Apr 04 23:13:08 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

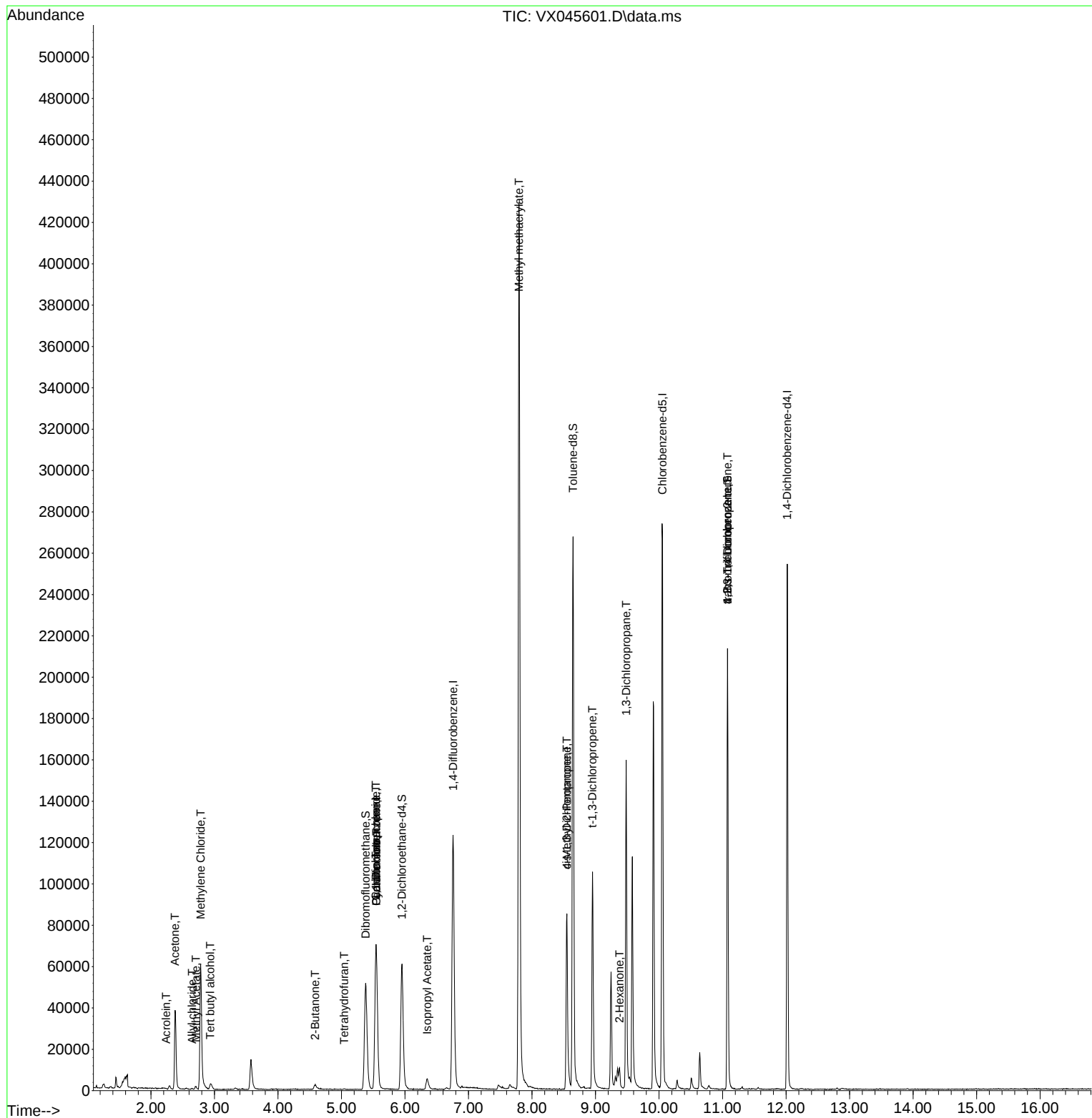
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	61250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119749	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62436	55.741	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.480%
35) Dibromofluoromethane	5.379	113	43855	51.617	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.240%
50) Toluene-d8	8.647	98	153987	51.926	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.860%
62) 4-Bromofluorobenzene	11.079	95	54492	50.447	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.900%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.934	59	2163	14.369	ug/l #	72
13) Acrolein	2.239	56	61	0.294	ug/l #	15
14) Allyl chloride	2.648	41	299	0.214	ug/l #	78
16) Acetone	2.379	43	43321	94.187	ug/l	97
18) Methyl Acetate	2.709	43	1862	1.758	ug/l	94
20) Methylene Chloride	2.782	84	27654	32.116	ug/l	94
25) 2-Butanone	4.586	43	4003	5.946	ug/l	95
29) Tetrahydrofuran	5.044	42	151	0.346	ug/l #	35
31) Cyclohexane	5.550	56	1731	1.260	ug/l #	40
36) 1,1-Dichloropropene	5.544	75	6126	5.340	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7291	5.881	ug/l #	16
43) Isopropyl Acetate	6.348	43	7755	3.539	ug/l	95
48) Methyl methacrylate	7.793	41	43811	38.726	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	34675	23.872	ug/l #	54
53) t-1,3-Dichloropropene	8.951	75	143	2.395	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	12550	9.966	ug/l #	72
57) 1,3-Dichloropropane	9.482	76	1357	0.922	ug/l #	42
59) 2-Hexanone	9.378	43	9416	8.754	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	31935	29.212	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31935	99.142	ug/l #	1

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

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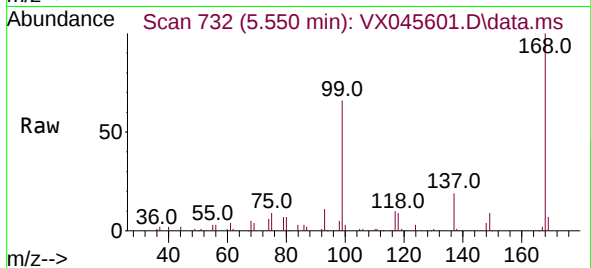
Quant Time: Apr 04 23:13:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
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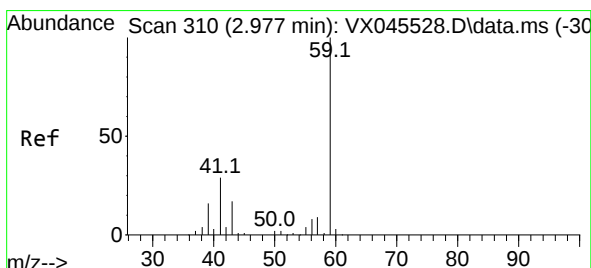
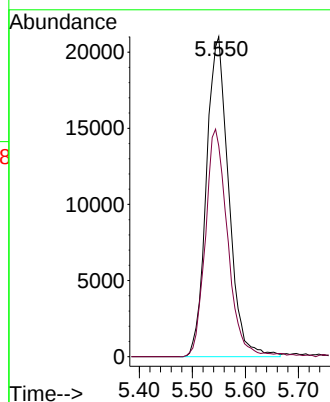
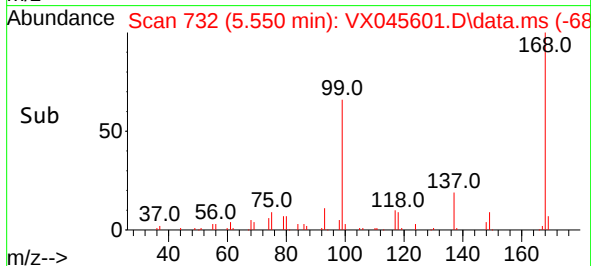


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :
PB167448TB

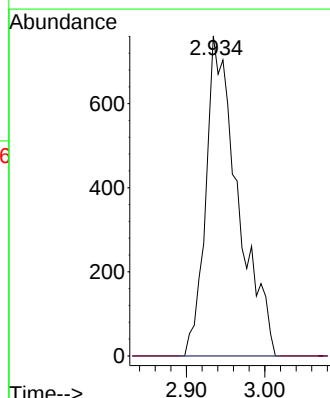
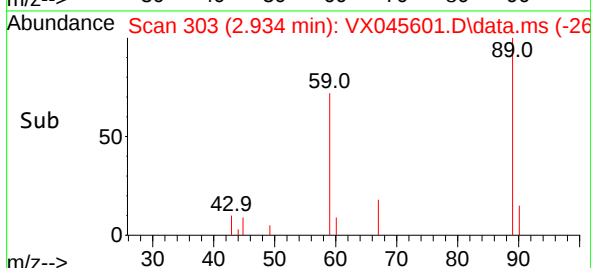
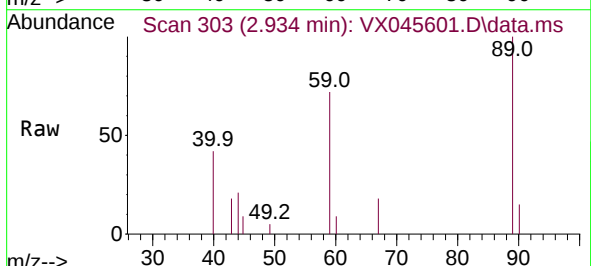


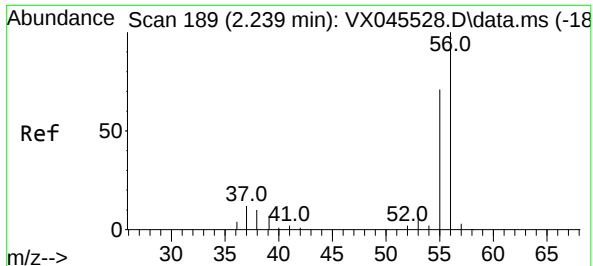
Tgt Ion:168 Resp: 61250
Ion Ratio Lower Upper
168 100
99 65.8 52.3 78.5



#11
Tert butyl alcohol
Concen: 14.369 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.043 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Tgt Ion: 59 Resp: 2163
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.294 ug/l

RT: 2.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045601.D

Acq: 04 Apr 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

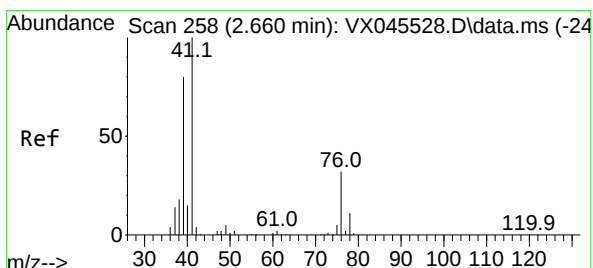
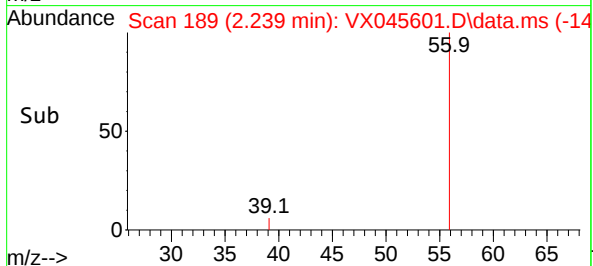
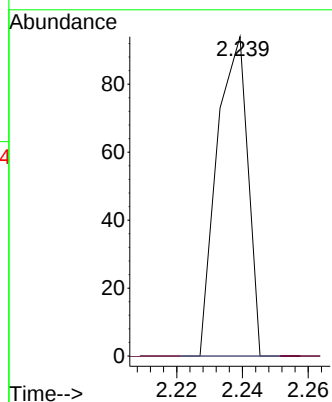
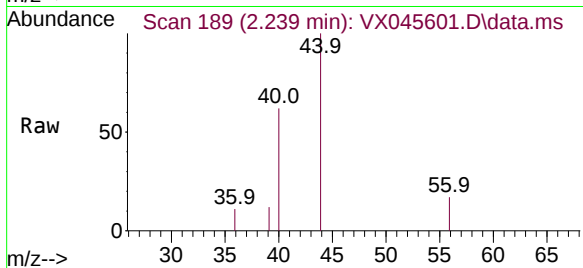
PB167448TB

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#



#14

Allyl chloride

Concen: 0.214 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.012 min

Lab File: VX045601.D

Acq: 04 Apr 2025 15:56

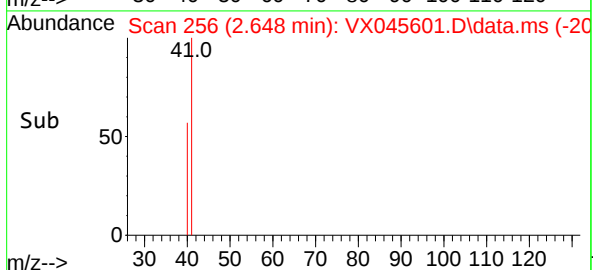
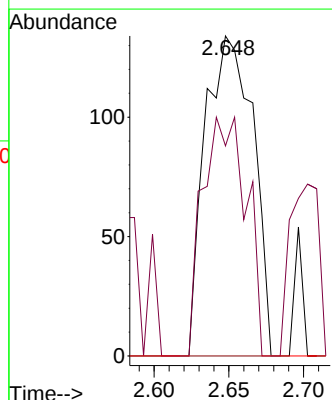
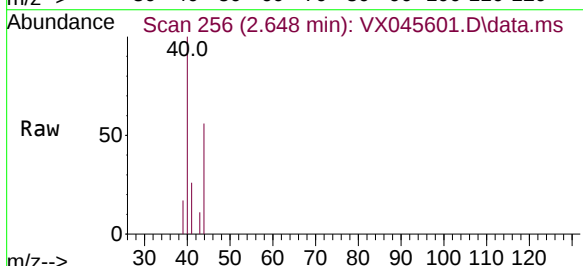
Tgt Ion: 41 Resp: 299

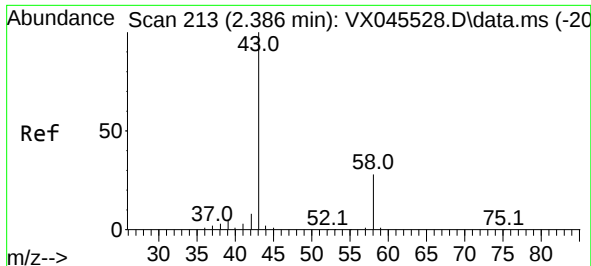
Ion Ratio Lower Upper

41 100

39 68.2 60.2 90.2

76 0.0 24.6 36.8#

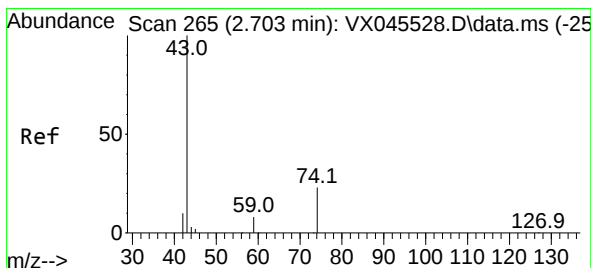
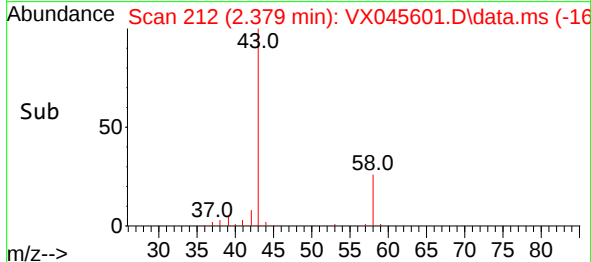
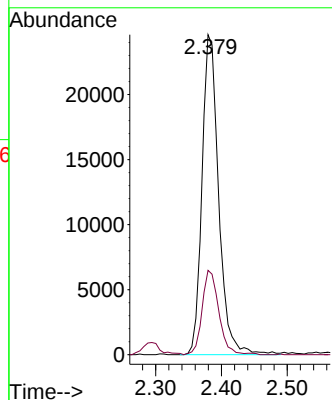
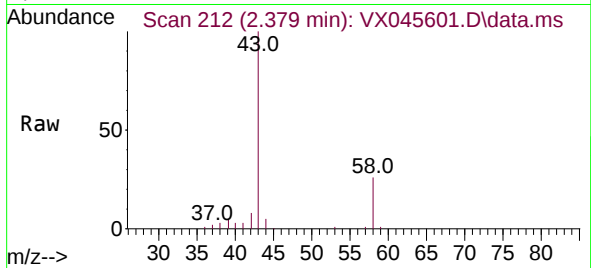




#16
Acetone
Concen: 94.187 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

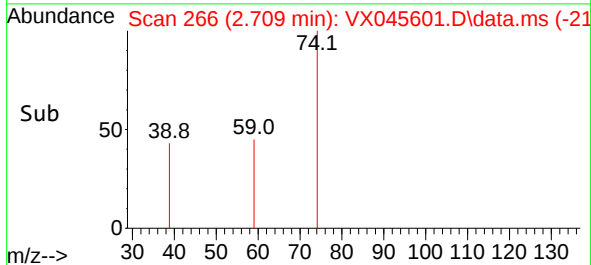
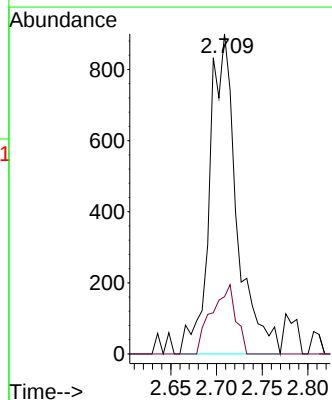
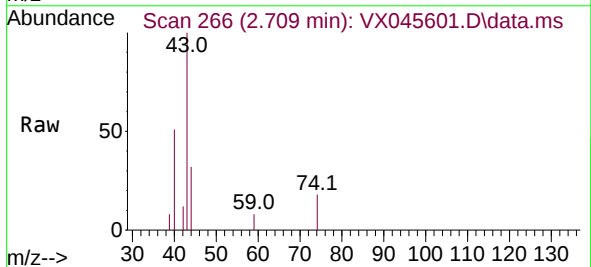
Instrument :
MSVOA_X
ClientSampleId :
PB167448TB

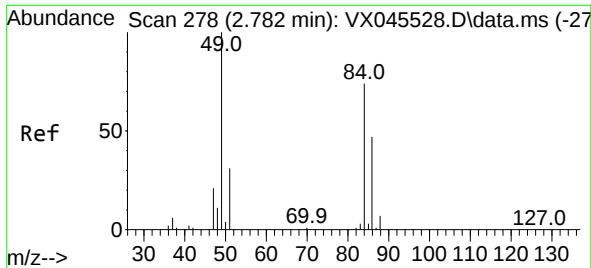
Tgt Ion: 43 Resp: 43321
Ion Ratio Lower Upper
43 100
58 26.1 22.3 33.5



#18
Methyl Acetate
Concen: 1.758 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Tgt Ion: 43 Resp: 1862
Ion Ratio Lower Upper
43 100
74 19.2 17.5 26.3

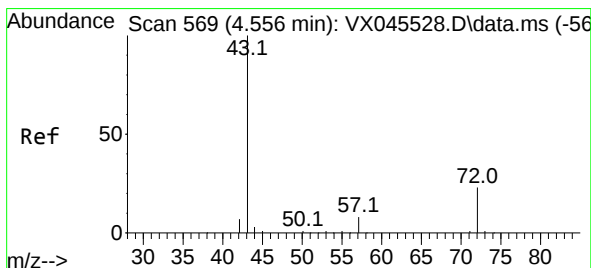
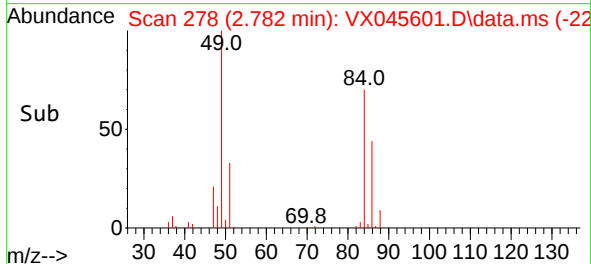
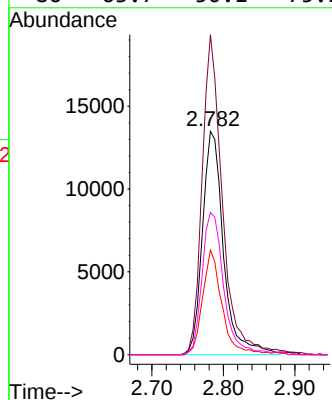
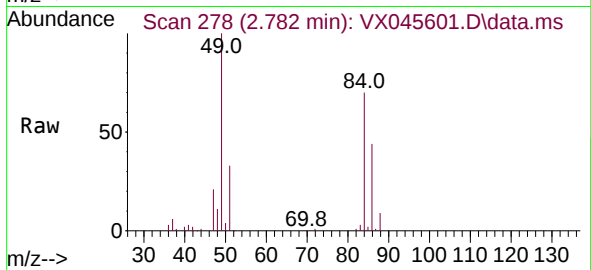




#20
Methylene Chloride
Concen: 32.116 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

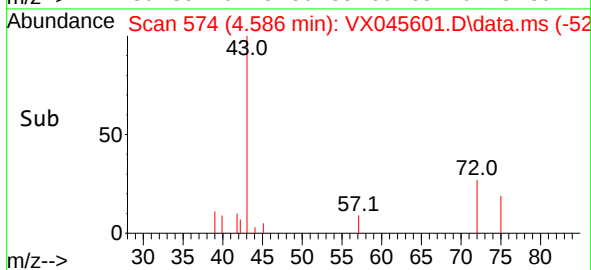
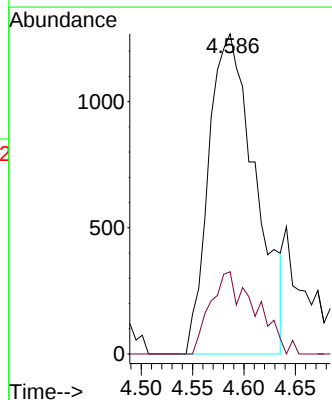
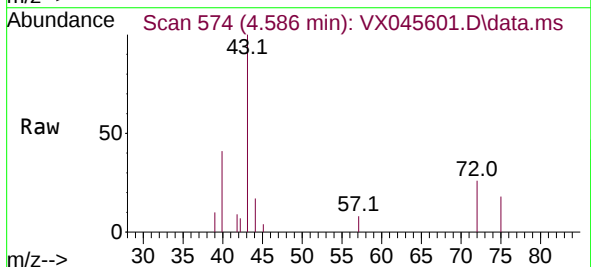
Instrument :
MSVOA_X
ClientSampleId :
PB167448TB

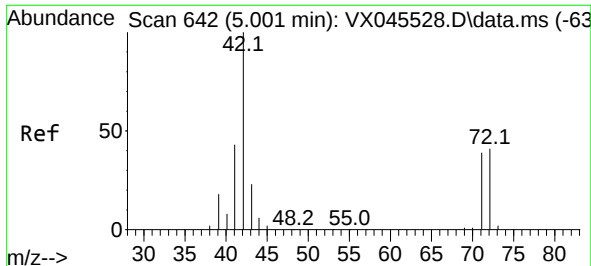
Tgt Ion:	84	Resp:	27654
Ion	Ratio	Lower	Upper
84	100		
49	143.2	107.5	161.3
51	46.9	33.0	49.6
86	63.7	50.1	75.1



#25
2-Butanone
Concen: 5.946 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Tgt Ion:	43	Resp:	4003
Ion	Ratio	Lower	Upper
43	100		
72	25.7	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.346 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX045601.D

Acq: 04 Apr 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

PB167448TB

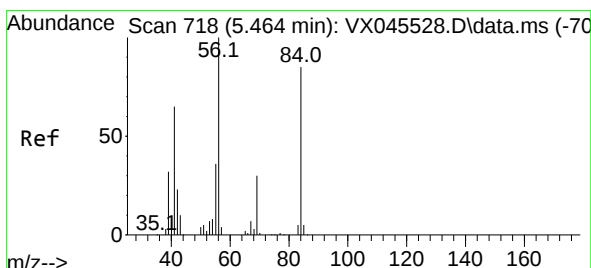
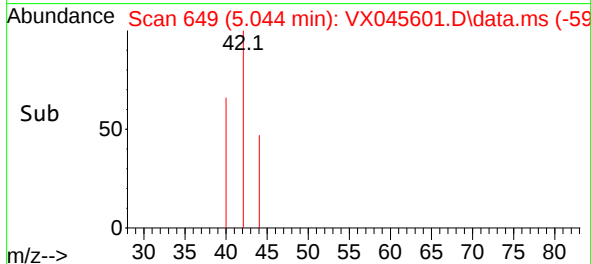
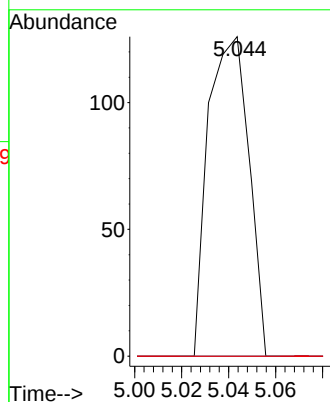
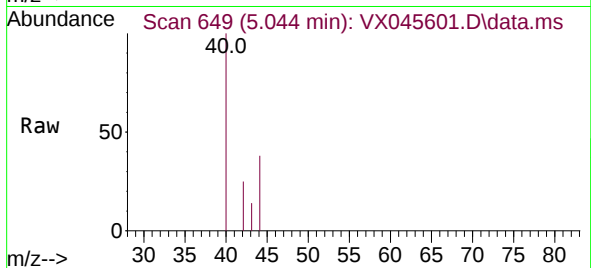
Tgt Ion: 42 Resp: 151

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.260 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045601.D

Acq: 04 Apr 2025 15:56

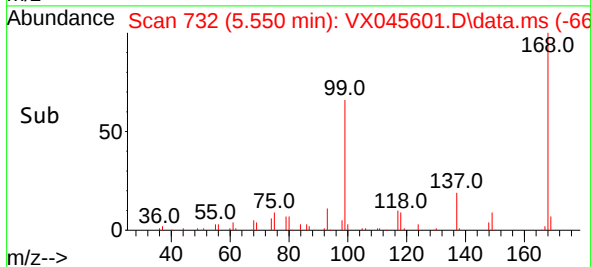
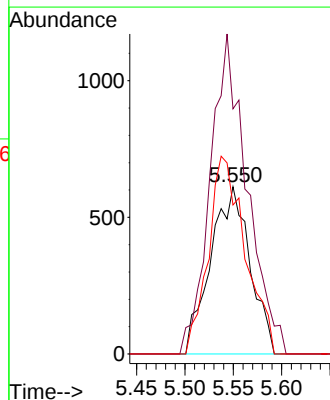
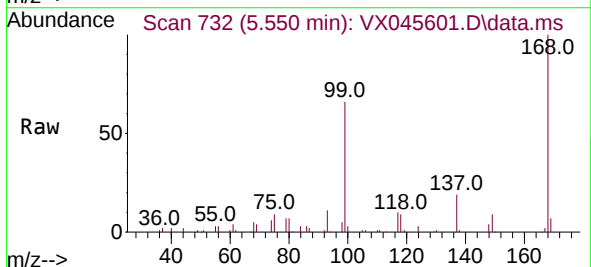
Tgt Ion: 56 Resp: 1731

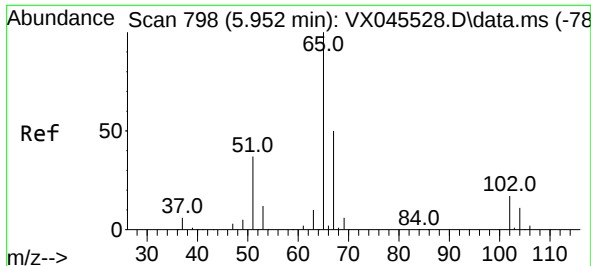
Ion Ratio Lower Upper

56 100

69 146.6 23.6 35.4#

84 89.1 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.741 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045601.D

Acq: 04 Apr 2025 15:56

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ClientSampleId :

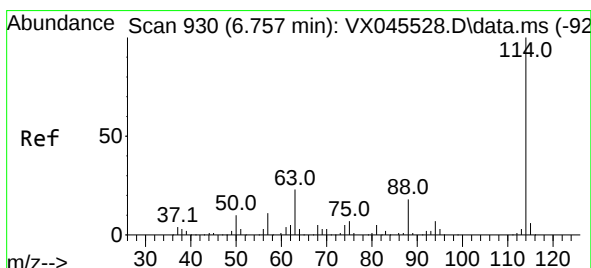
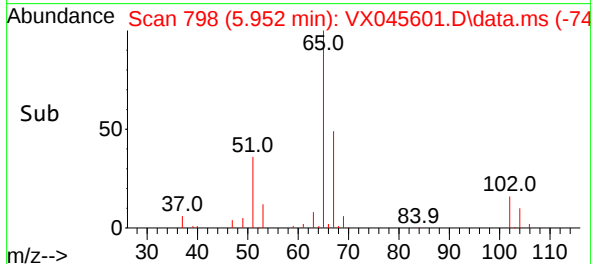
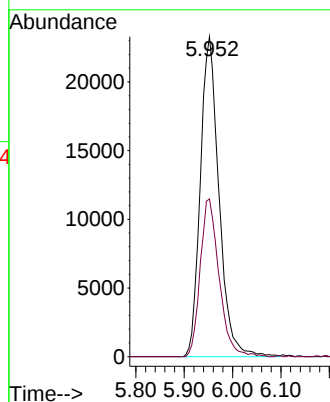
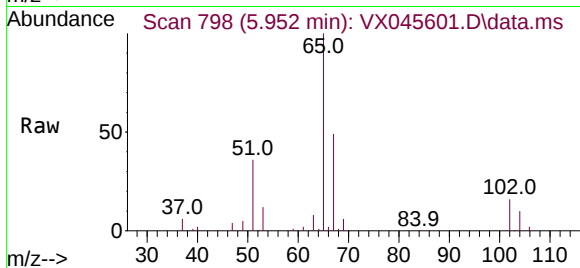
PB167448TB

Tgt Ion: 65 Resp: 62436

Ion Ratio Lower Upper

65 100

67 49.9 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: VX045601.D

Acq: 04 Apr 2025 15:56

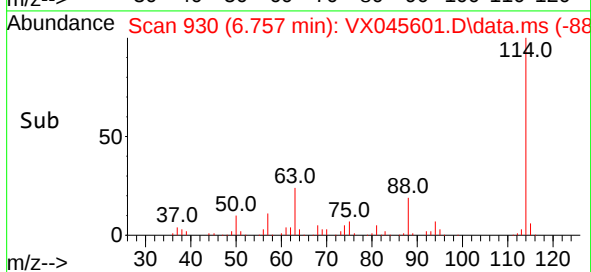
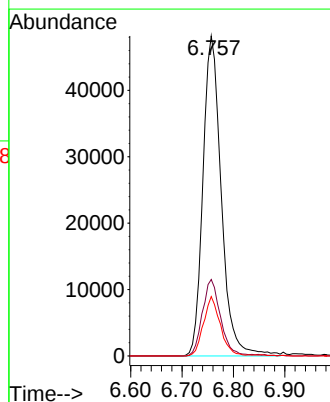
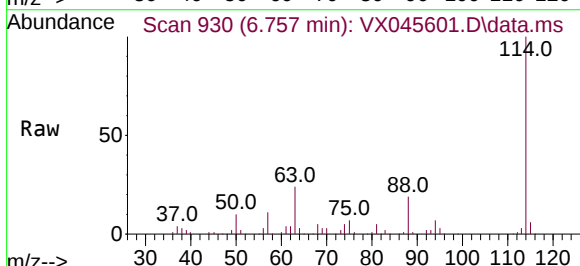
Tgt Ion: 114 Resp: 119749

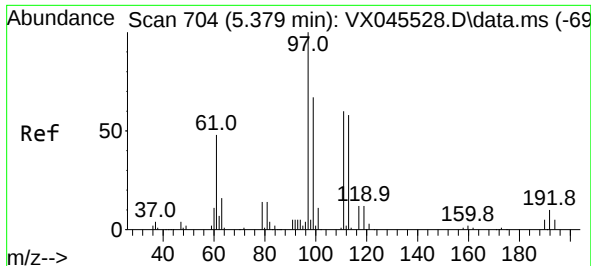
Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.8

88 18.5 0.0 35.4

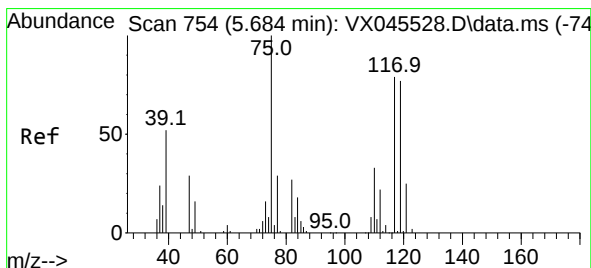
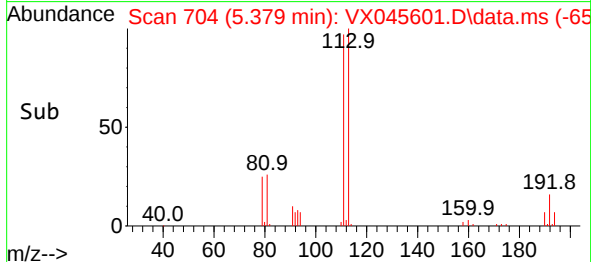
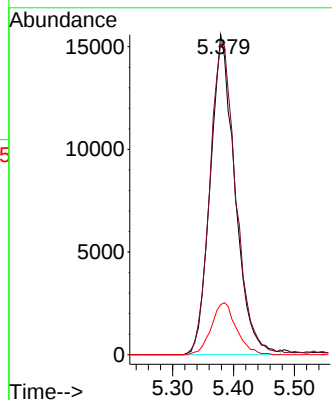
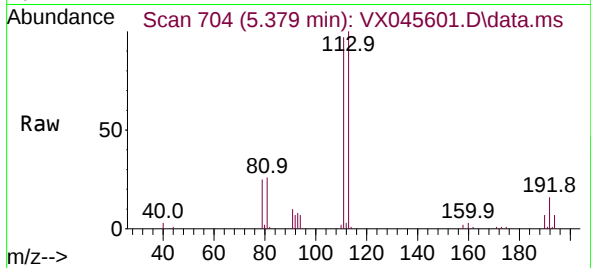




#35
Dibromofluoromethane
Concen: 51.617 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

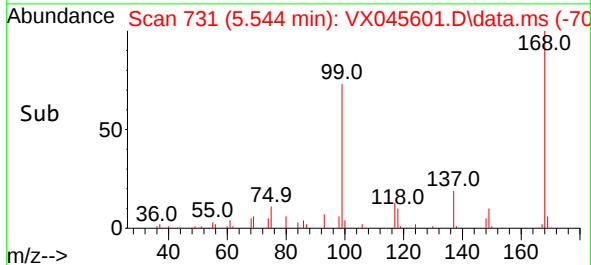
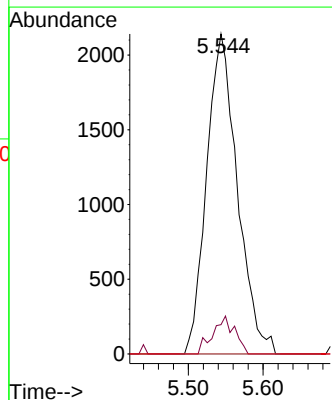
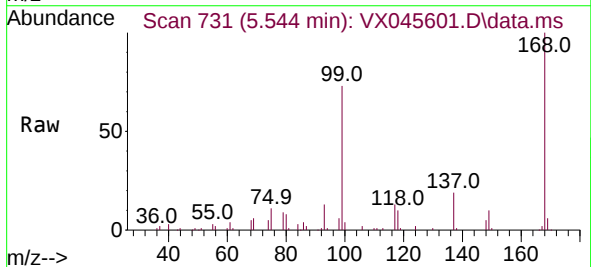
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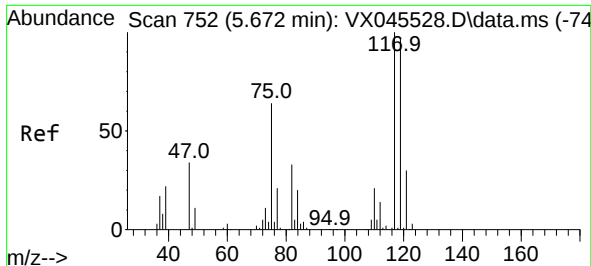
Tgt Ion:113 Resp: 43855
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 16.5 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.340 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

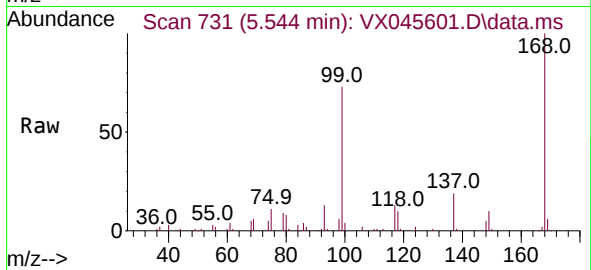
Tgt Ion: 75 Resp: 6126
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.6#
77 0.0 25.0 37.4#



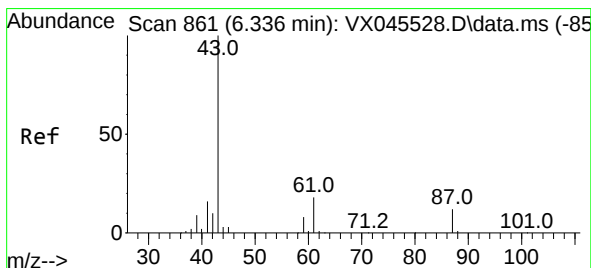
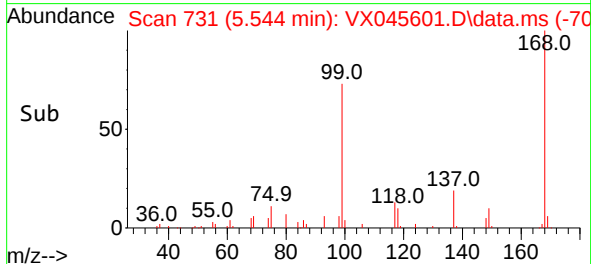
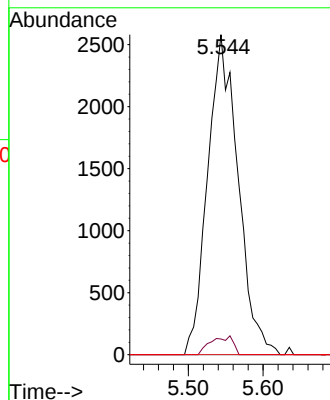


#38
Carbon Tetrachloride
Concen: 5.881 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :
PB167448TB

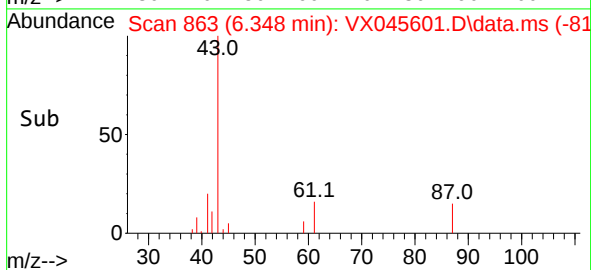
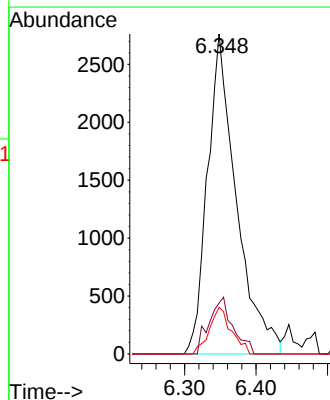
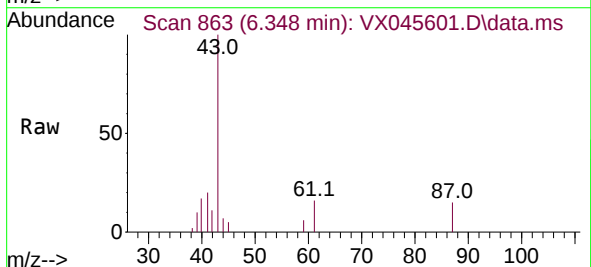


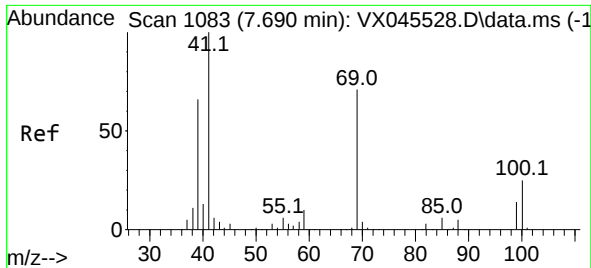
Tgt Ion:117 Resp: 7291
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.539 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Tgt Ion: 43 Resp: 7755
Ion Ratio Lower Upper
43 100
61 14.5 14.1 21.1
87 11.0 9.2 13.8

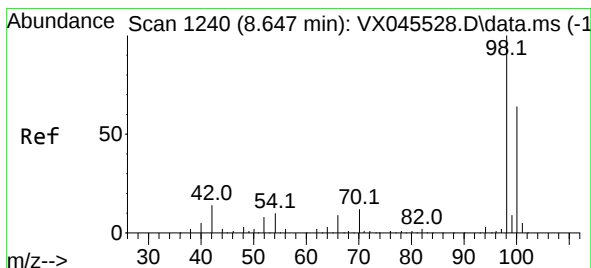
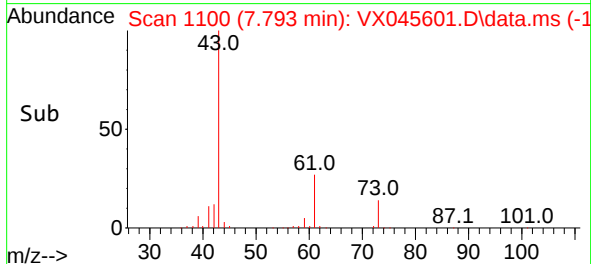
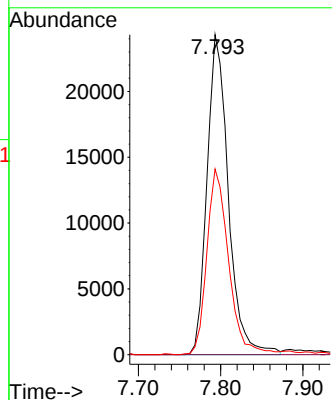
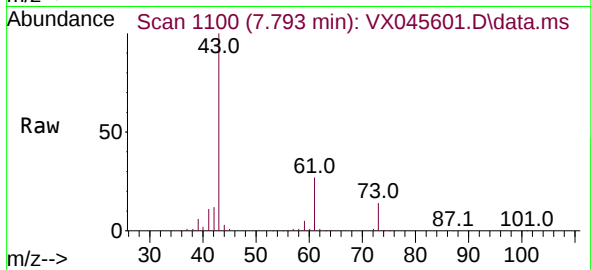




#48
Methyl methacrylate
Concen: 38.726 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

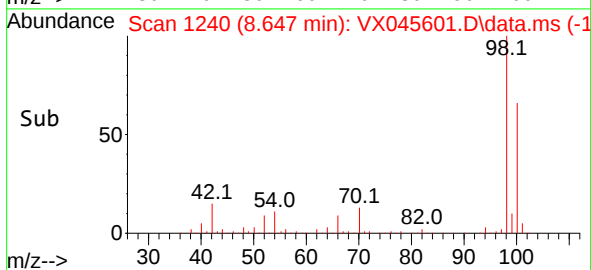
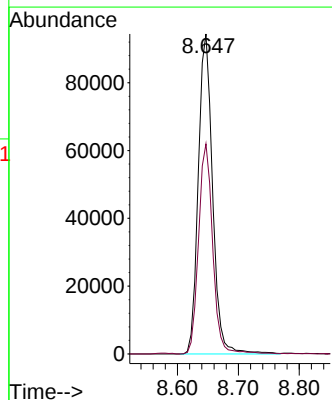
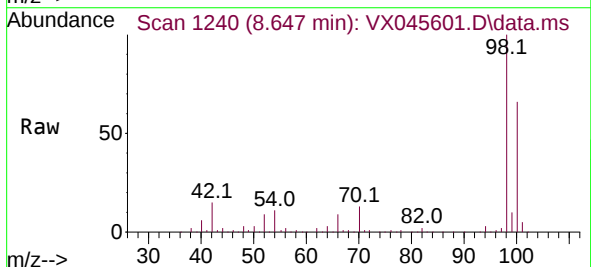
Instrument :
MSVOA_X
ClientSampleId :
PB167448TB

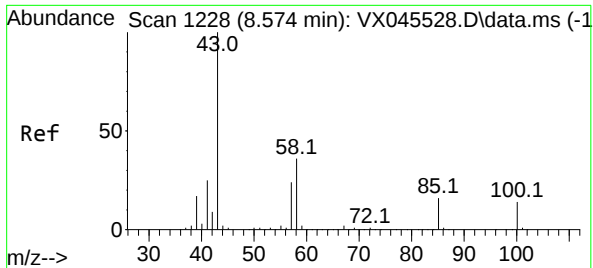
Tgt Ion: 41 Resp: 43811
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.3 53.6 80.4



#50
Toluene-d8
Concen: 51.926 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Tgt Ion: 98 Resp: 153987
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4

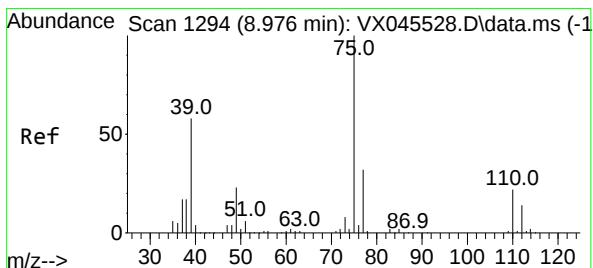
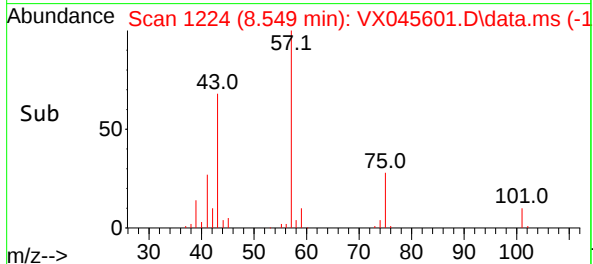
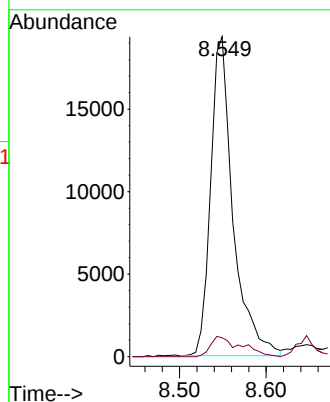
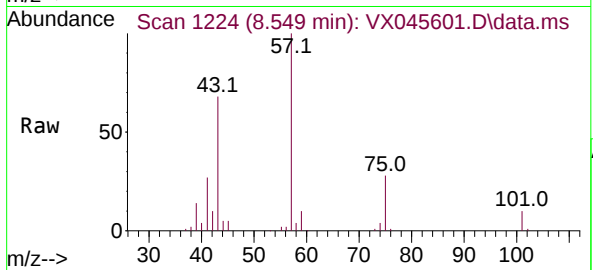




#51
4-Methyl-2-Pentanone
Concen: 23.872 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

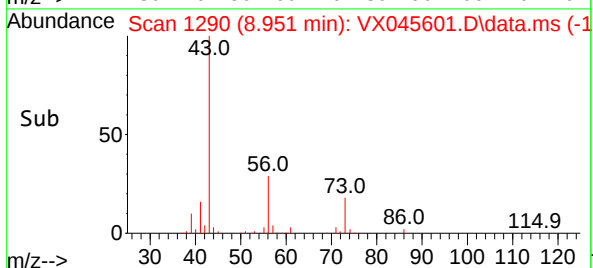
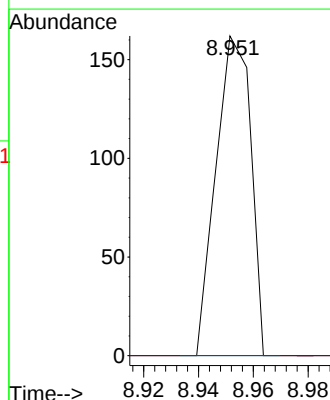
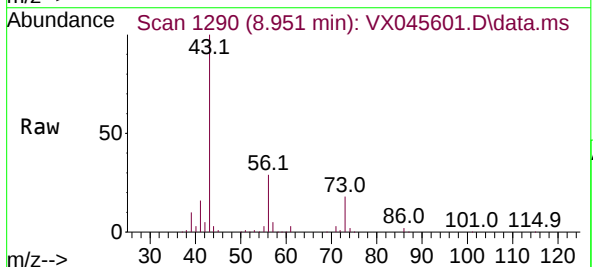
Instrument :
MSVOA_X
ClientSampleId :
PB167448TB

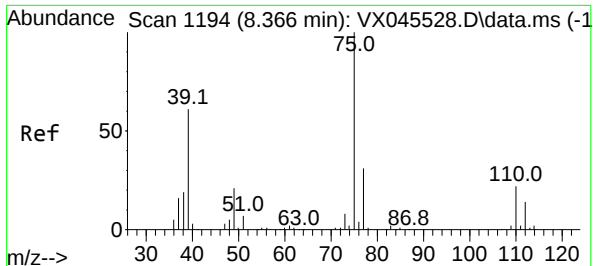
Tgt Ion: 43 Resp: 34675
Ion Ratio Lower Upper
43 100
58 8.6 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.395 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Tgt Ion: 75 Resp: 143
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

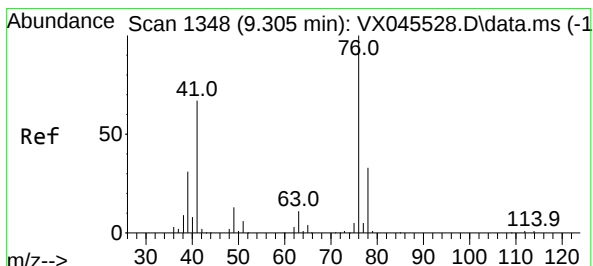
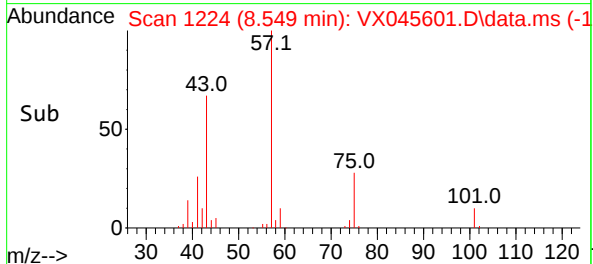
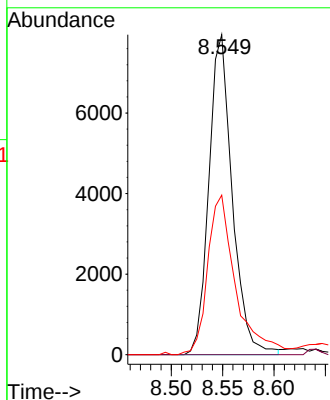
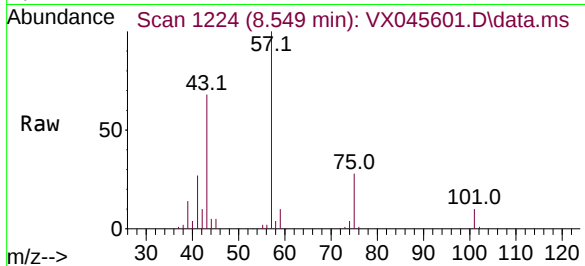




#54
 cis-1,3-Dichloropropene
 Concen: 9.966 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045601.D
 Acq: 04 Apr 2025 15:56

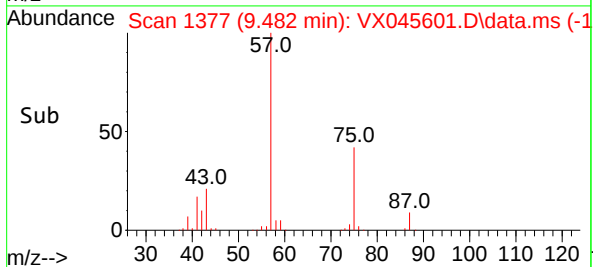
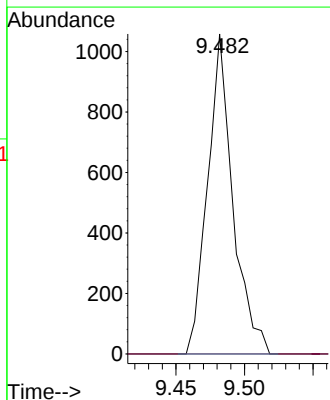
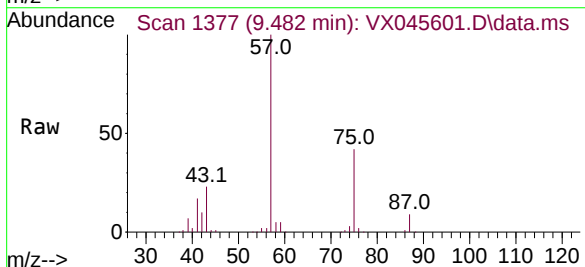
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448TB

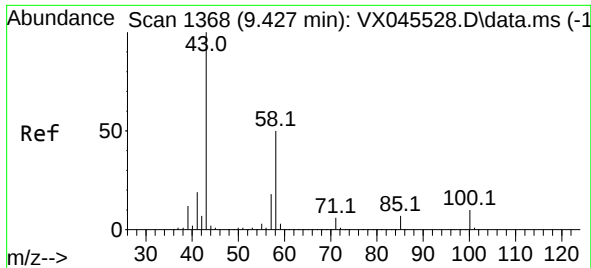
Tgt Ion: 75 Resp: 12550
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 49.8 48.4 72.6



#57
 1,3-Dichloropropane
 Concen: 0.922 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045601.D
 Acq: 04 Apr 2025 15:56

Tgt Ion: 76 Resp: 1357
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

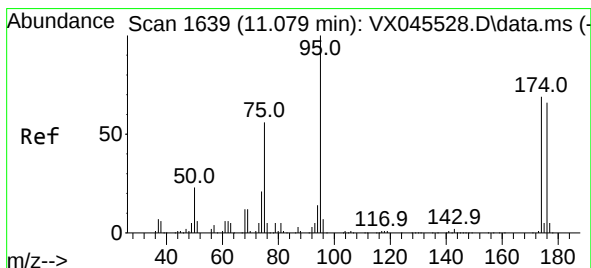
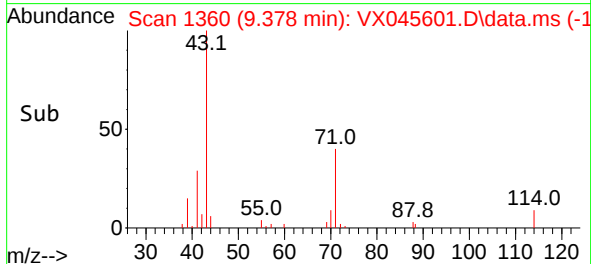
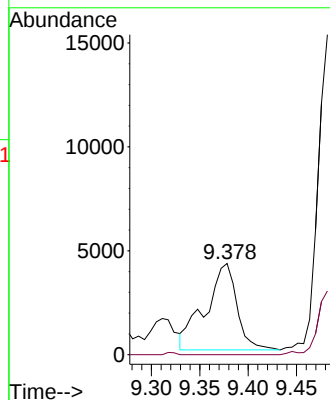
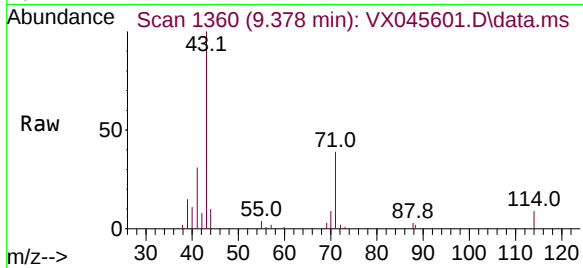




#59
2-Hexanone
Concen: 8.754 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

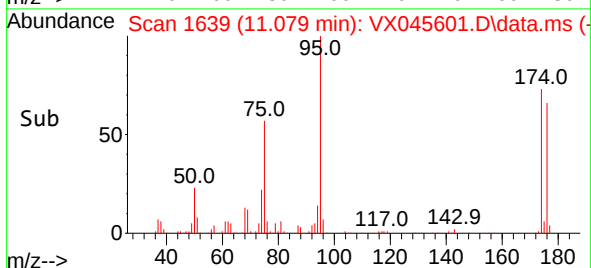
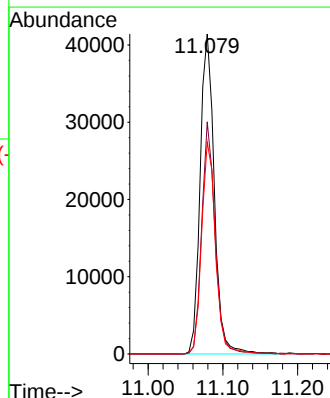
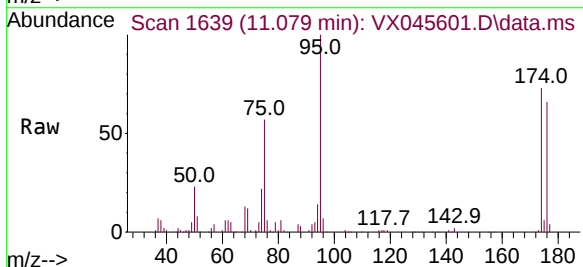
Instrument :
MSVOA_X
ClientSampleId :
PB167448TB

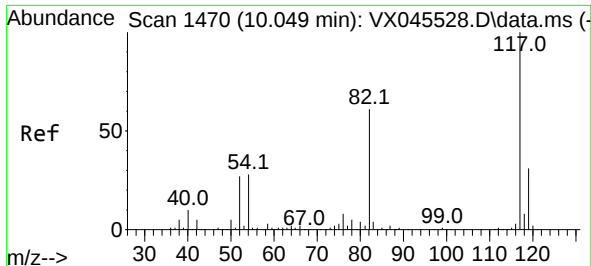
Tgt Ion: 43 Resp: 9416
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 50.447 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Tgt Ion: 95 Resp: 54492
Ion Ratio Lower Upper
95 100
174 68.6 0.0 135.8
176 65.1 0.0 131.4

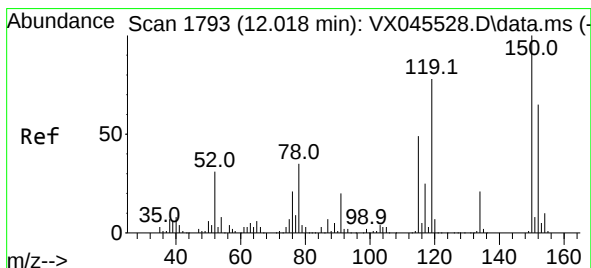
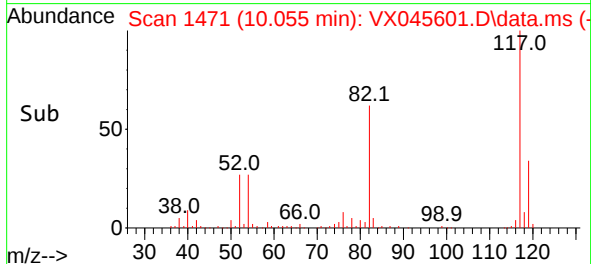
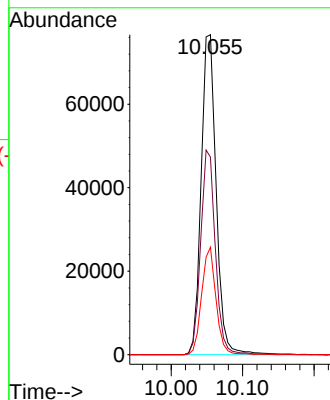
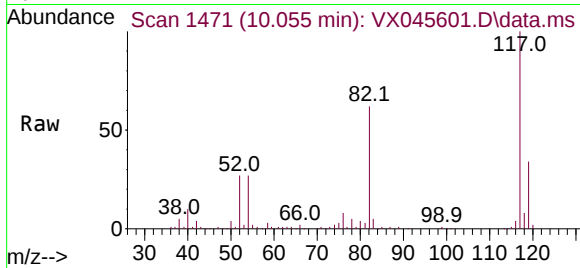




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

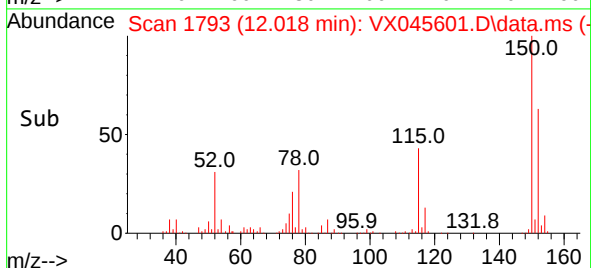
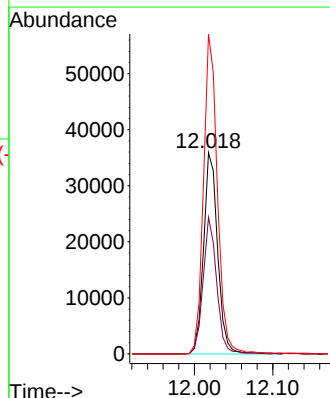
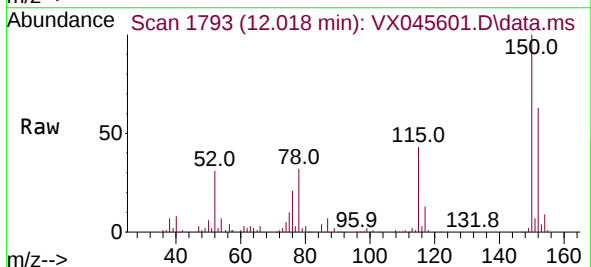
Instrument :
MSVOA_X
ClientSampleId :
PB167448TB

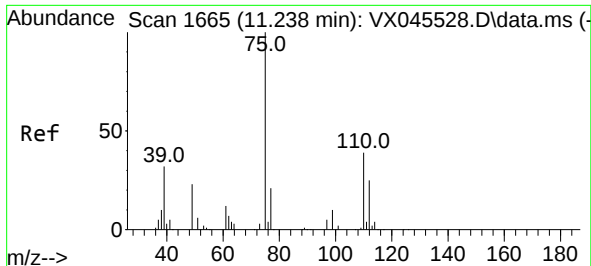
Tgt Ion:117 Resp: 111977
Ion Ratio Lower Upper
117 100
82 61.8 49.2 73.8
119 33.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Tgt Ion:152 Resp: 44818
Ion Ratio Lower Upper
152 100
115 65.5 46.9 140.7
150 156.5 0.0 349.4

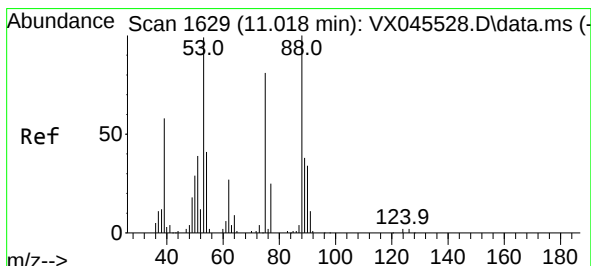
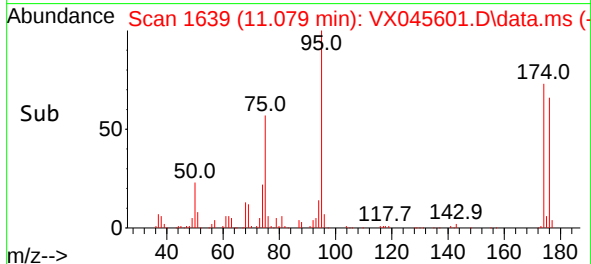
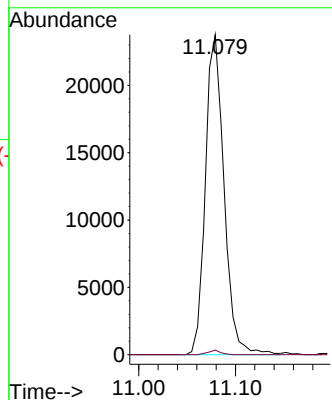
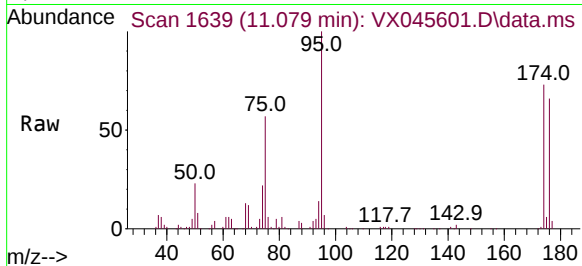




#76
1,2,3-Trichloropropane
Concen: 29.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :
PB167448TB

Tgt Ion: 75 Resp: 31935
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.142 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045601.D
Acq: 04 Apr 2025 15:56

Tgt Ion: 75 Resp: 31935
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

