

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045846.D
 Acq On : 18 Apr 2025 10:41
 Operator : JC/MD
 Sample : PB167623TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167623TB

Quant Time: Apr 18 23:34:55 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)

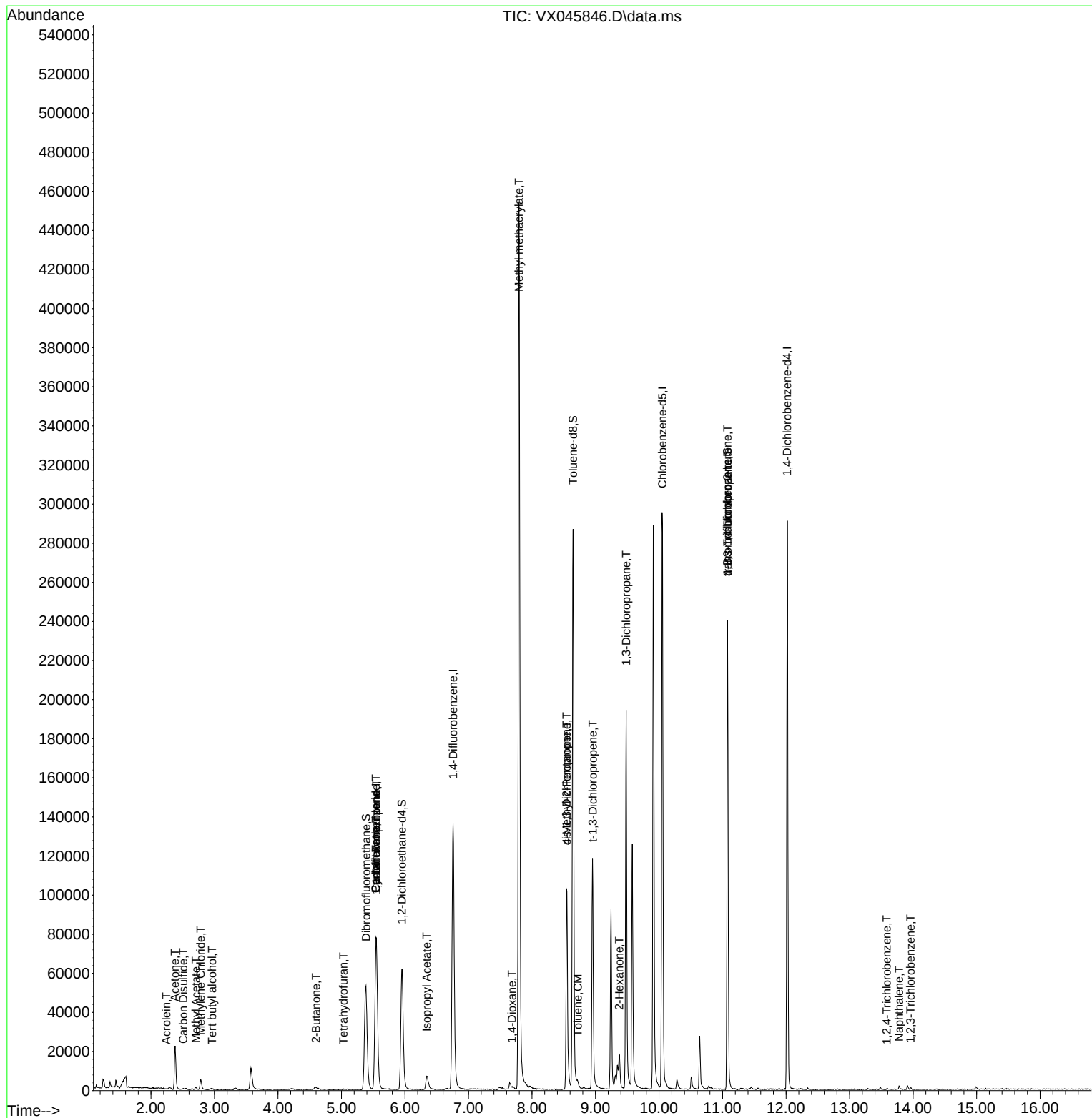
Internal Standards						
1) Pentafluorobenzene	5.544	168	66243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63499	52.417	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.840%			
35) Dibromofluoromethane	5.385	113	46073	49.045	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.100%			
50) Toluene-d8	8.647	98	164194	50.076	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.160%			
62) 4-Bromofluorobenzene	11.079	95	62218	52.094	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.180%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.965	59	325	1.996	ug/l #	72
13) Acrolein	2.239	56	120	0.535	ug/l #	15
16) Acetone	2.380	43	24169	48.587	ug/l	99
17) Carbon Disulfide	2.508	76	473	0.241	ug/l #	76
18) Methyl Acetate	2.709	43	1468	1.282	ug/l #	84
20) Methylene Chloride	2.782	84	2226	2.390	ug/l	92
25) 2-Butanone	4.599	43	3250	4.463	ug/l	96
29) Tetrahydrofuran	5.031	42	125	0.265	ug/l #	35
31) Cyclohexane	5.544	56	2074	1.396	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	6532	5.150	ug/l #	51
38) Carbon Tetrachloride	5.544	117	8043	5.867	ug/l #	16
43) Isopropyl Acetate	6.342	43	11096	4.580	ug/l	97
48) Methyl methacrylate	7.793	41	44870	35.872	ug/l #	50
49) 1,4-Dioxane	7.683	88	22	0.972	ug/l #	21
51) 4-Methyl-2-Pentanone	8.543	43	41696	25.963	ug/l #	48
52) Toluene	8.720	92	699	0.298	ug/l	95
53) t-1,3-Dichloropropene	8.958	75	185	2.413	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	16005	11.494	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1574	0.968	ug/l #	42
59) 2-Hexanone	9.372	43	15196	12.777	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36806	28.438	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36806	96.517	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.585	180	241	0.244	ug/l	67
95) Naphthalene	13.780	128	1679	0.456	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.963	180	412	0.398	ug/l	83

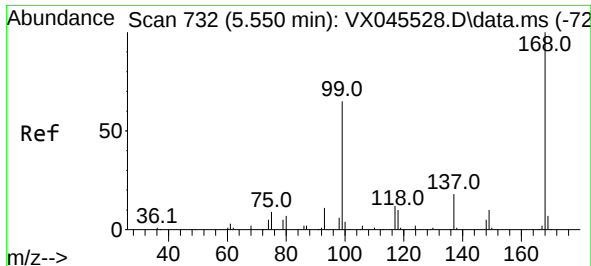
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
Data File : VX045846.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

Quant Time: Apr 18 23:34:55 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

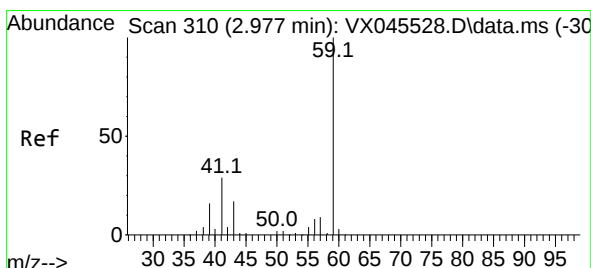
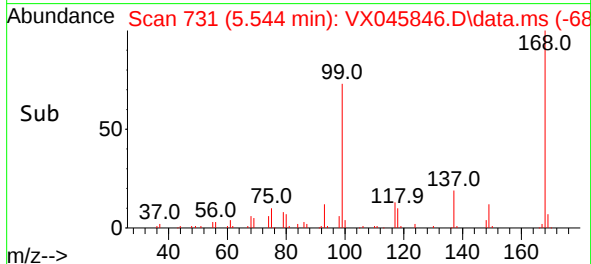
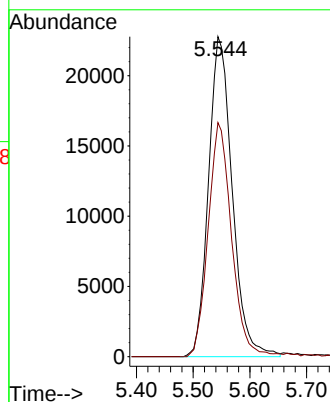
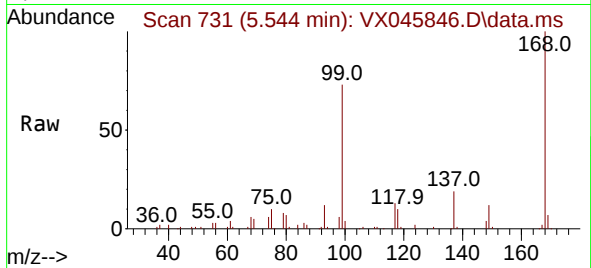




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

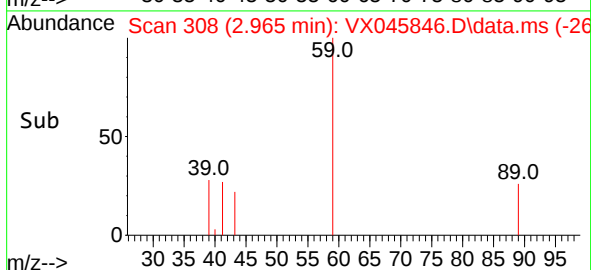
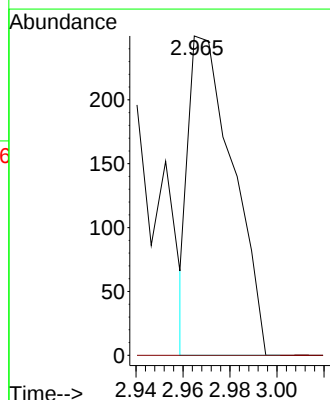
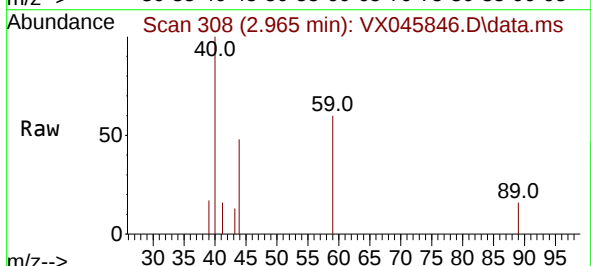
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

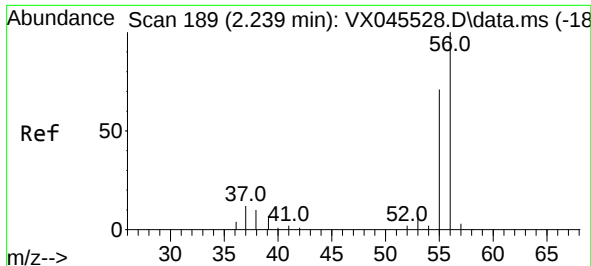
Tgt Ion:168 Resp: 66243
Ion Ratio Lower Upper
168 100
99 73.1 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.996 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Tgt Ion: 59 Resp: 325
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

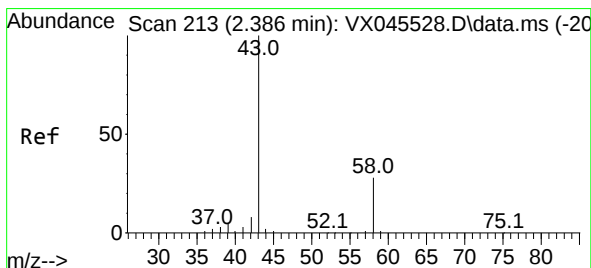
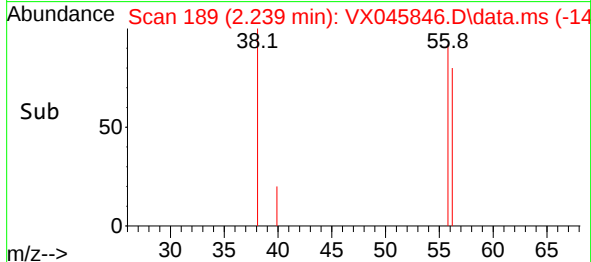
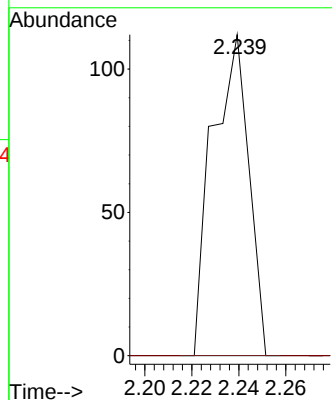
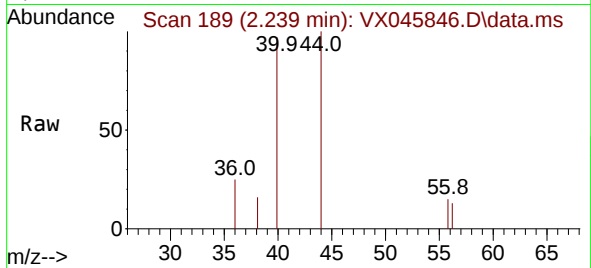




#13
Acrolein
Concen: 0.535 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

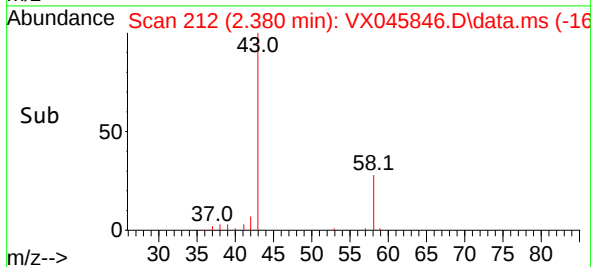
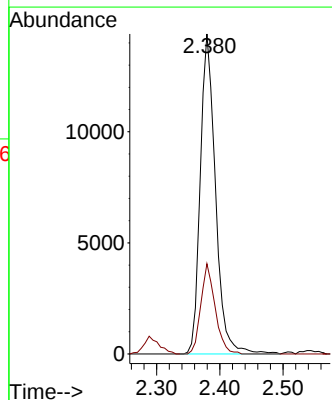
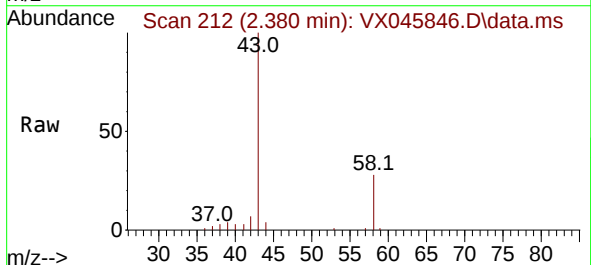
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

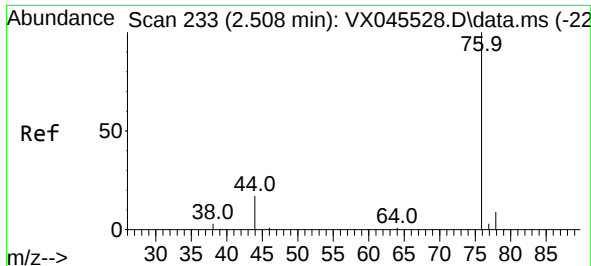
Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#16
Acetone
Concen: 48.587 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Tgt Ion: 43 Resp: 24169
Ion Ratio Lower Upper
43 100
58 28.2 22.3 33.5

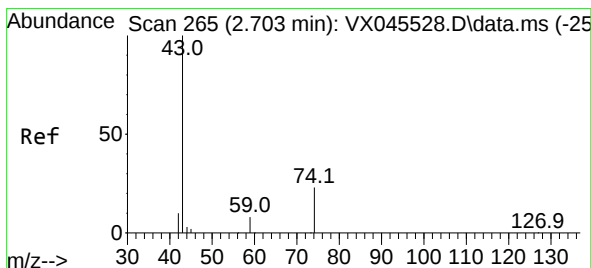
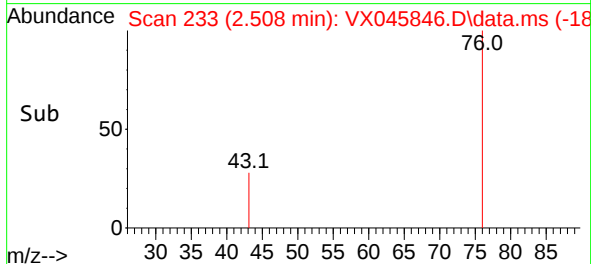
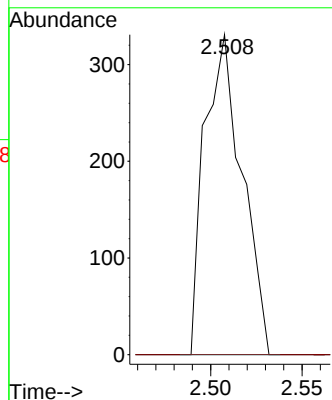
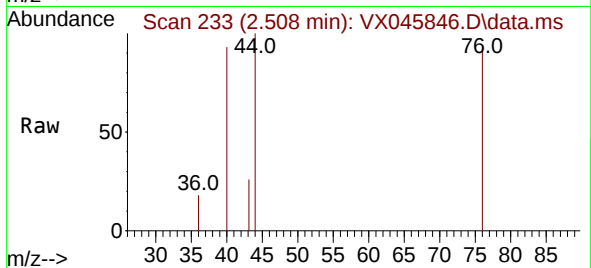




#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

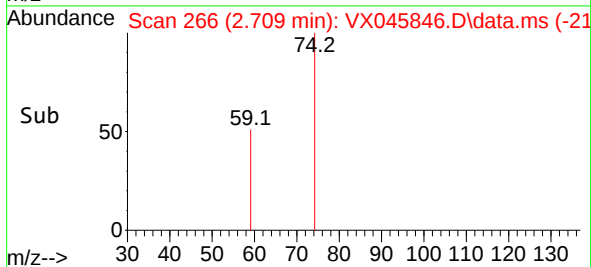
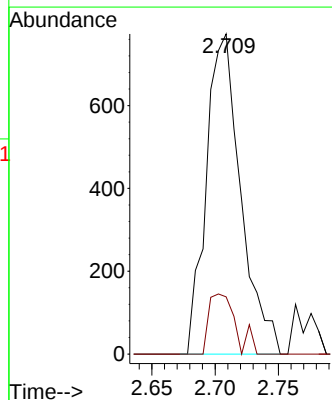
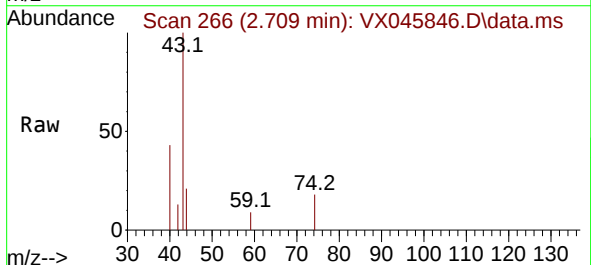
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

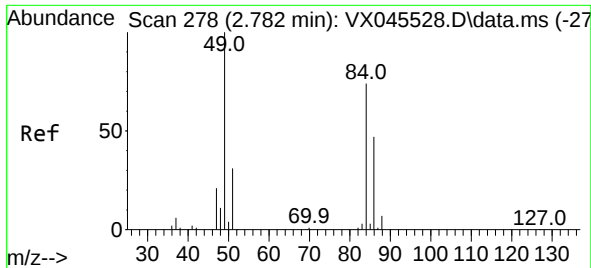
Tgt Ion: 76 Resp: 473
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 1.282 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Tgt Ion: 43 Resp: 1468
Ion Ratio Lower Upper
43 100
74 14.5 17.5 26.3#

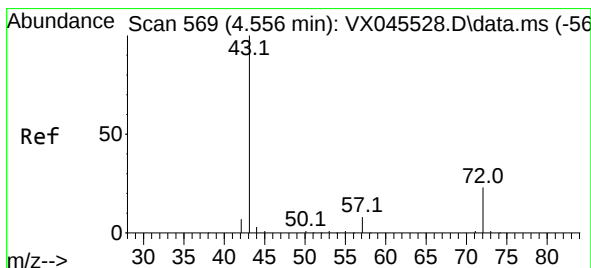
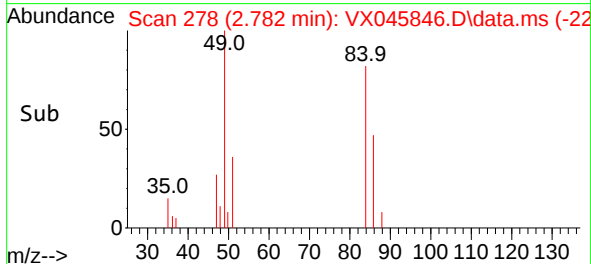
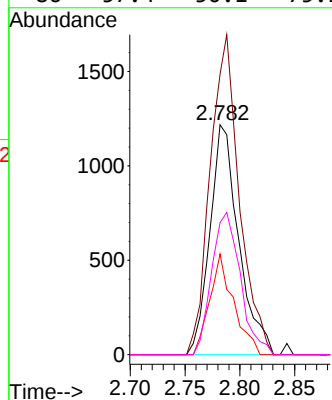
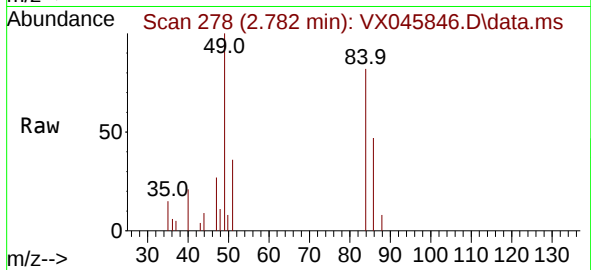




#20
Methylene Chloride
Concen: 2.390 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

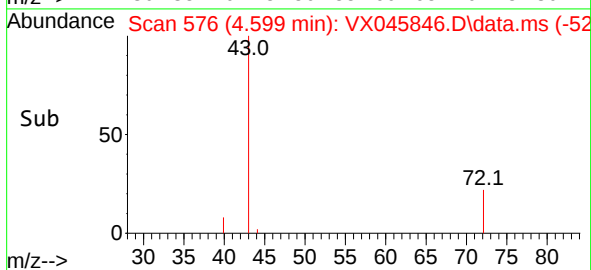
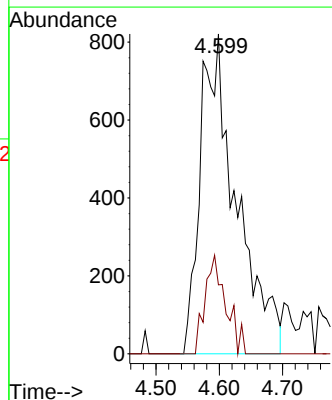
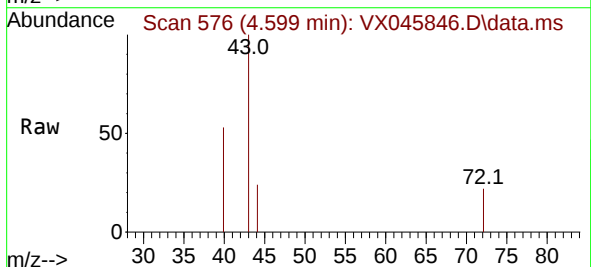
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

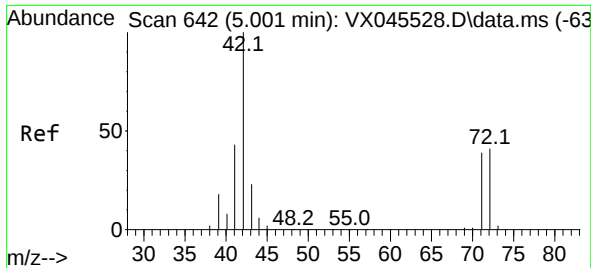
Tgt Ion:	84	Resp:	2226
Ion	Ratio	Lower	Upper
84	100		
49	121.9	107.5	161.3
51	43.8	33.0	49.6
86	57.4	50.1	75.1



#25
2-Butanone
Concen: 4.463 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Tgt Ion:	43	Resp:	3250
Ion	Ratio	Lower	Upper
43	100		
72	21.6	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.265 ug/l

RT: 5.031 min Scan# 642

Delta R.T. 0.030 min

Lab File: VX045846.D

Acq: 18 Apr 2025 10:41

Instrument :

MSVOA_X

ClientSampleId :

PB167623TB

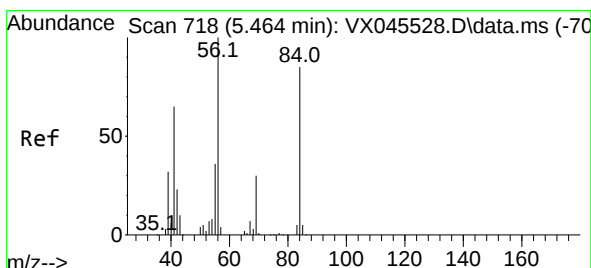
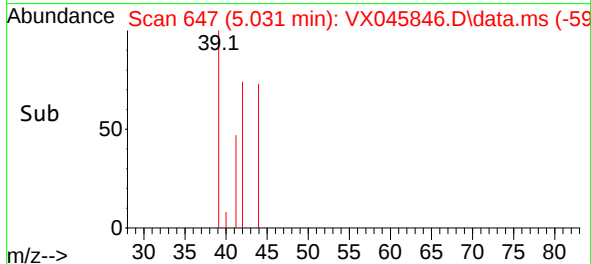
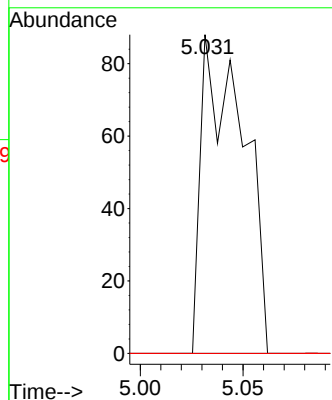
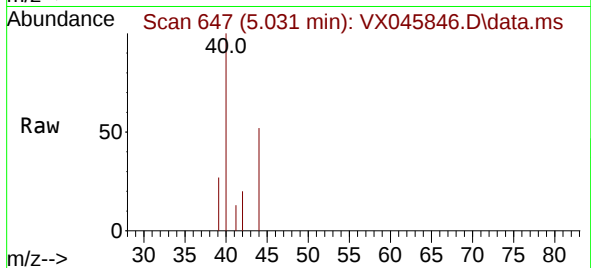
Tgt Ion: 42 Resp: 125

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.396 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045846.D

Acq: 18 Apr 2025 10:41

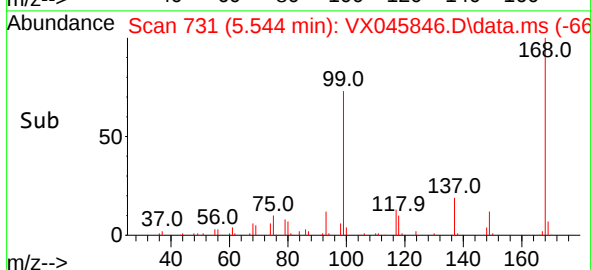
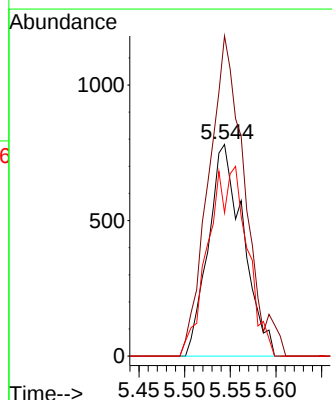
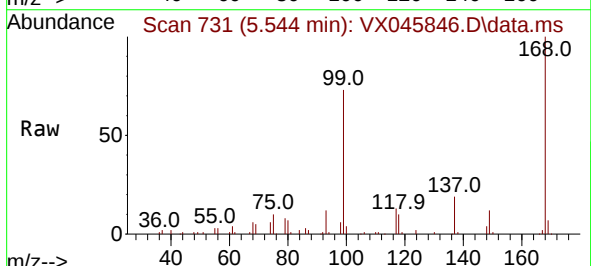
Tgt Ion: 56 Resp: 2074

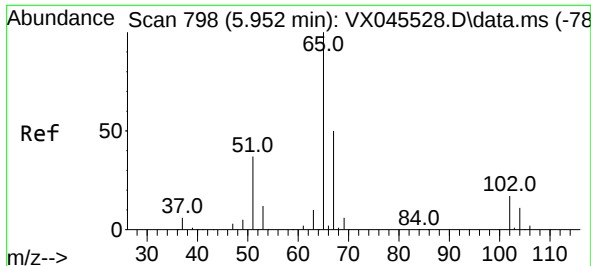
Ion Ratio Lower Upper

56 100

69 151.2 23.6 35.4#

84 67.7 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 52.417 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045846.D

Acq: 18 Apr 2025 10:41

Instrument :

MSVOA_X

ClientSampleId :

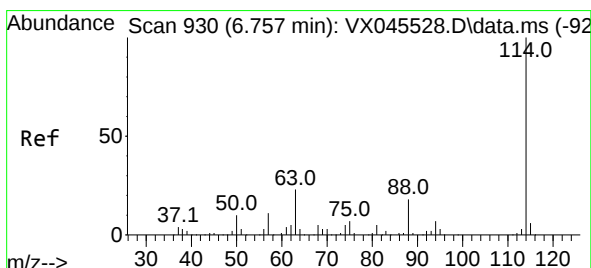
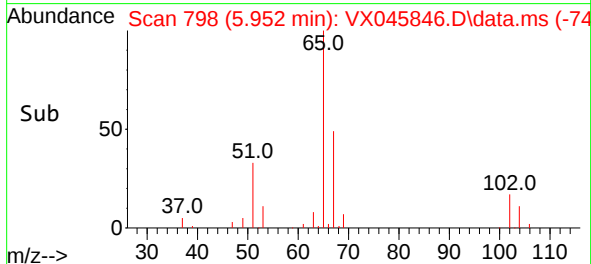
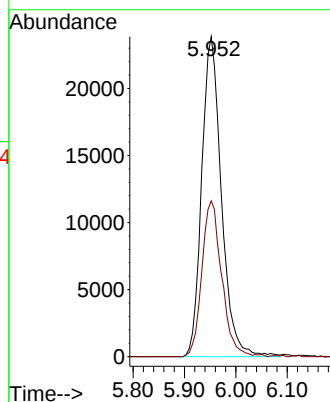
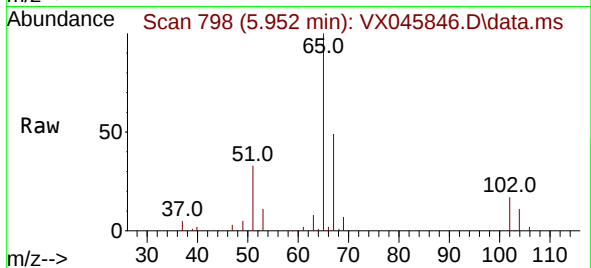
PB167623TB

Tgt Ion: 65 Resp: 63499

Ion Ratio Lower Upper

65 100

67 49.1 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: VX045846.D

Acq: 18 Apr 2025 10:41

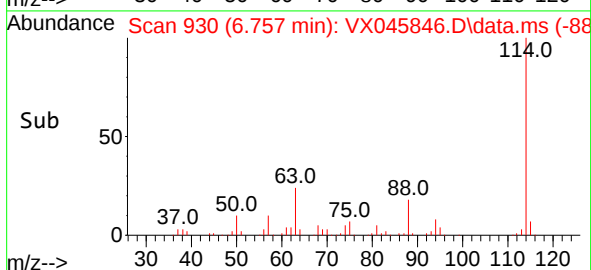
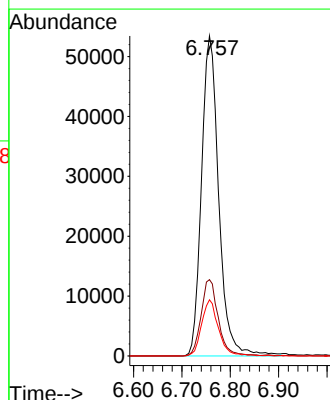
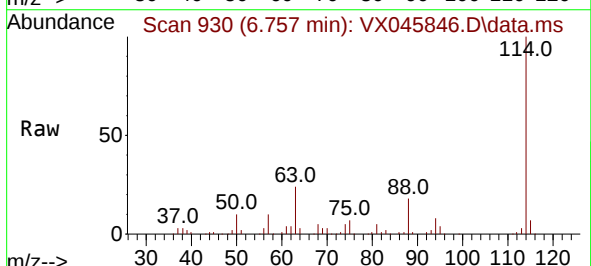
Tgt Ion: 114 Resp: 132403

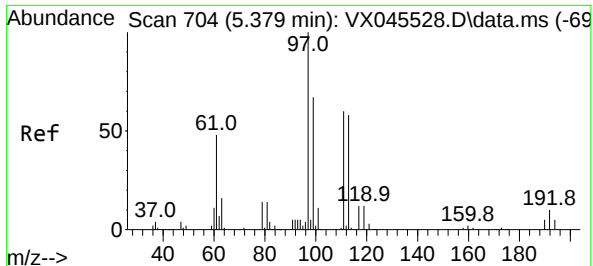
Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.8

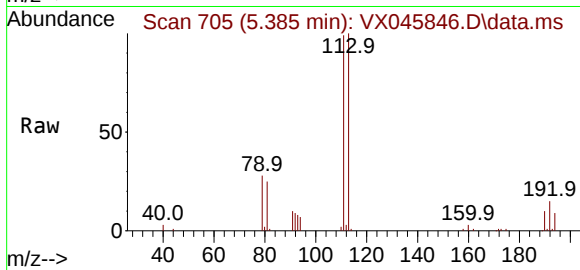
88 17.5 0.0 35.4



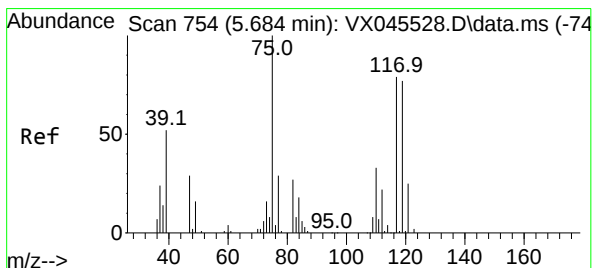
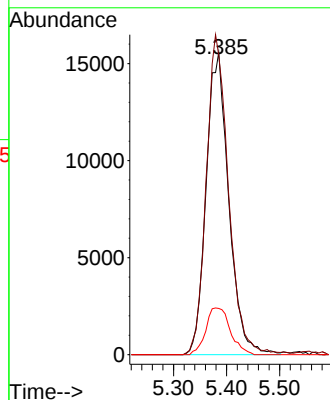
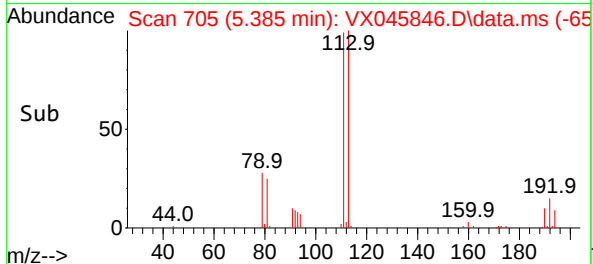


#35
Dibromofluoromethane
Concen: 49.045 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

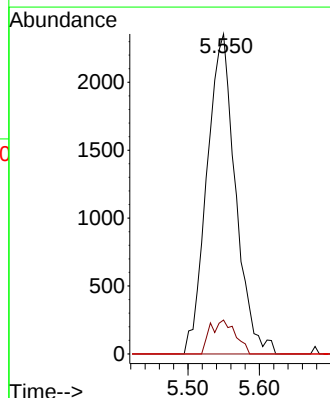
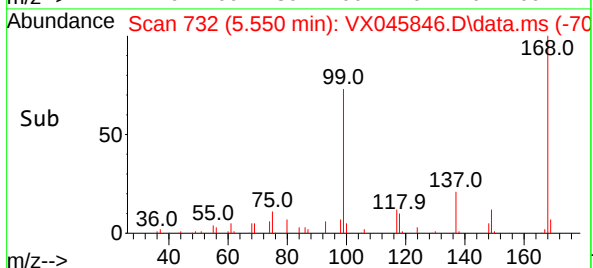
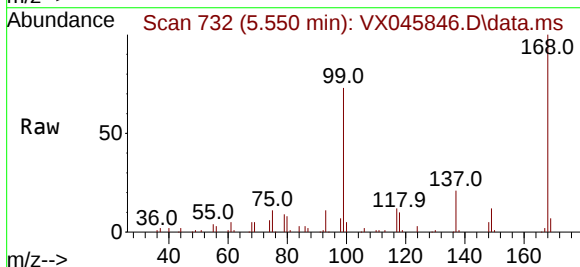


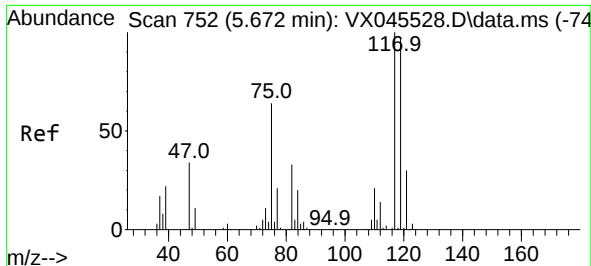
Tgt Ion:113 Resp: 46073
Ion Ratio Lower Upper
113 100
111 104.0 81.8 122.6
192 16.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.150 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

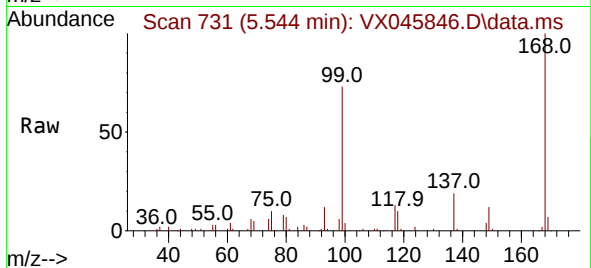
Tgt Ion: 75 Resp: 6532
Ion Ratio Lower Upper
75 100
110 9.3 16.9 50.6#
77 0.0 25.0 37.4#



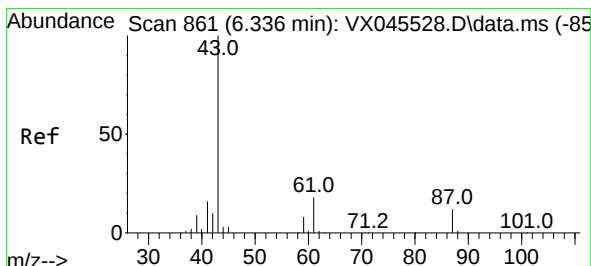
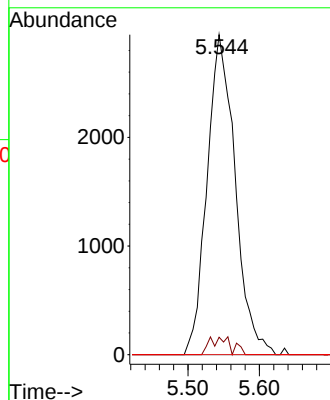
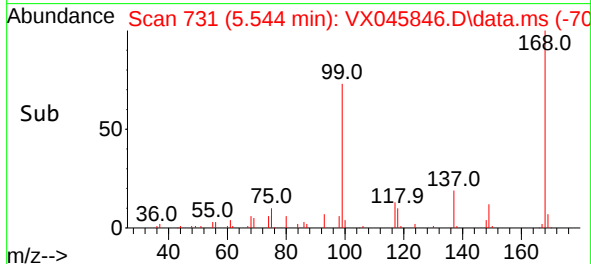


#38
Carbon Tetrachloride
Concen: 5.867 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

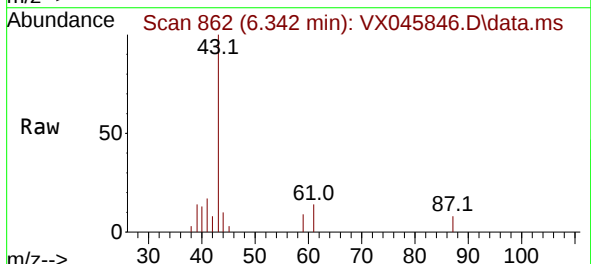
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB



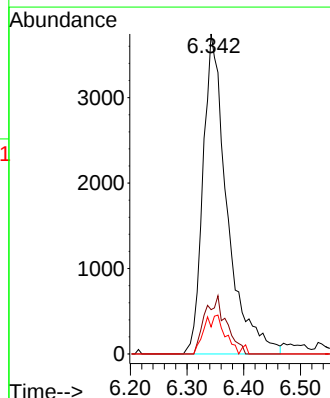
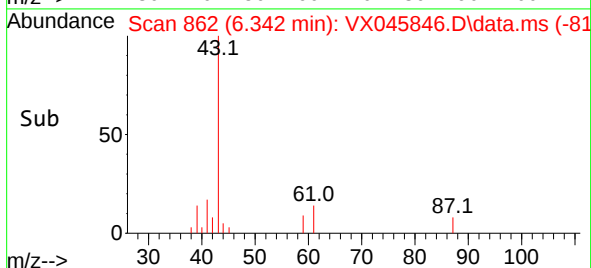
Tgt Ion: 117 Resp: 8043
Ion Ratio Lower Upper
117 100
119 5.5 76.9 115.3#
121 0.0 24.2 36.2#

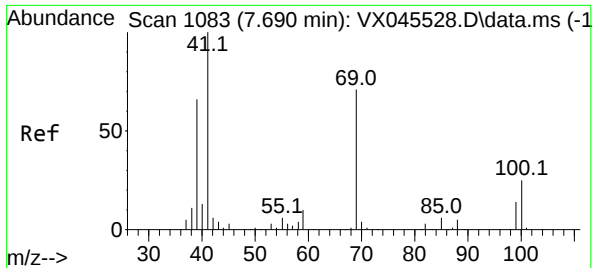


#43
Isopropyl Acetate
Concen: 4.580 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41



Tgt Ion: 43 Resp: 11096
Ion Ratio Lower Upper
43 100
61 16.1 14.1 21.1
87 10.4 9.2 13.8

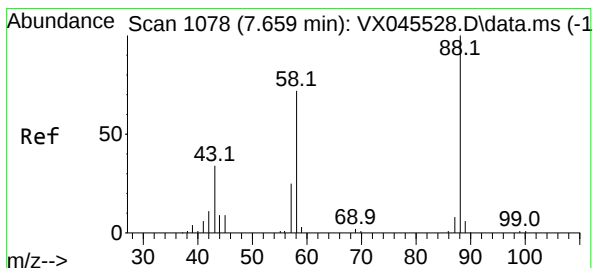
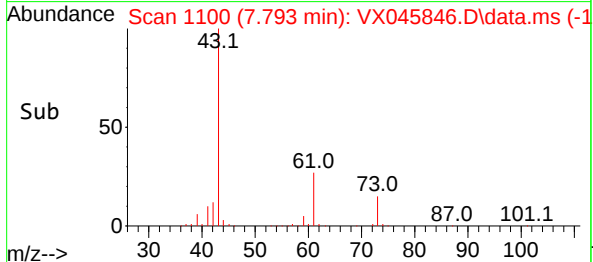
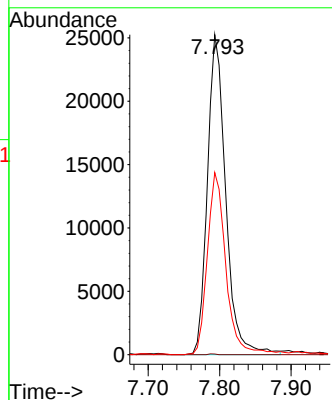
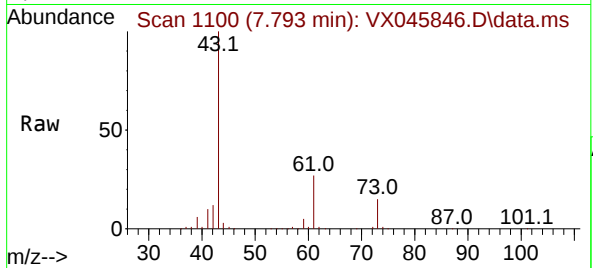




#48
Methyl methacrylate
Concen: 35.872 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

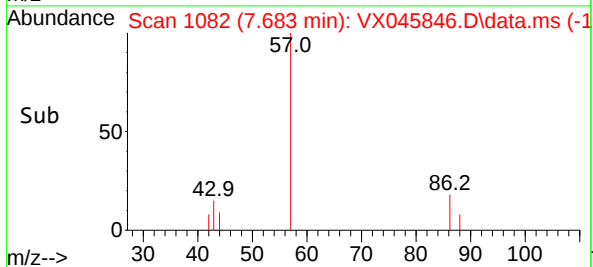
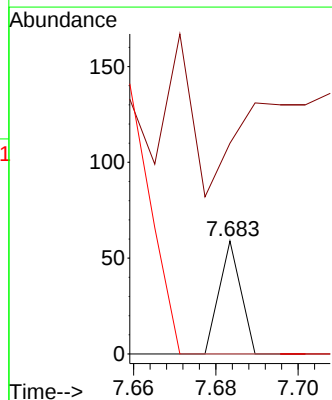
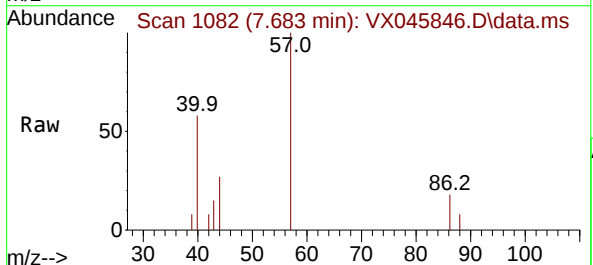
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

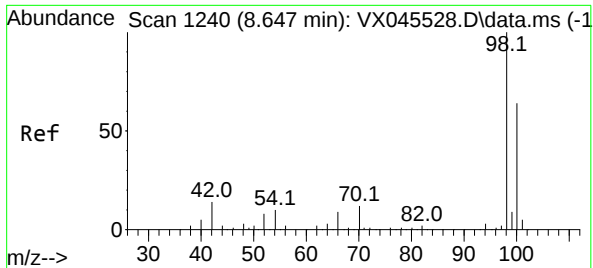
Tgt Ion: 41 Resp: 44870
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 58.0 53.6 80.4



#49
1,4-Dioxane
Concen: 0.972 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 32.2 48.4#
58 0.0 58.6 88.0#

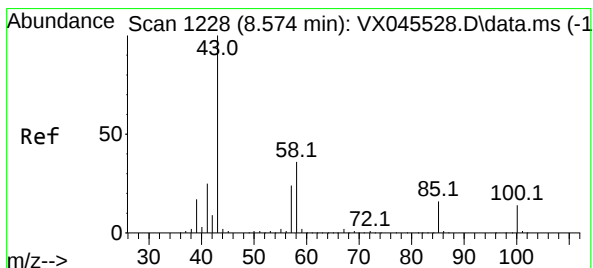
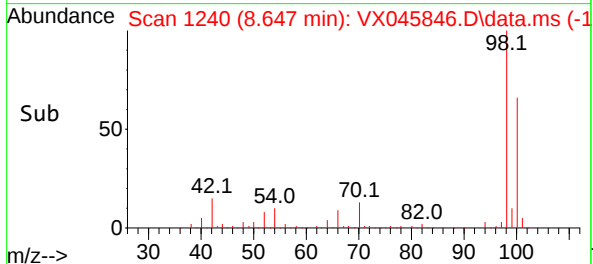
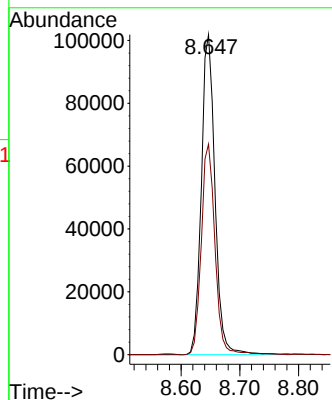
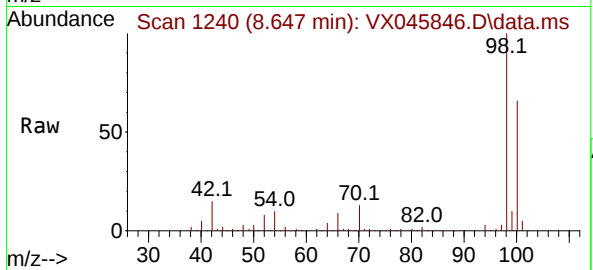




#50
Toluene-d8
Concen: 50.076 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

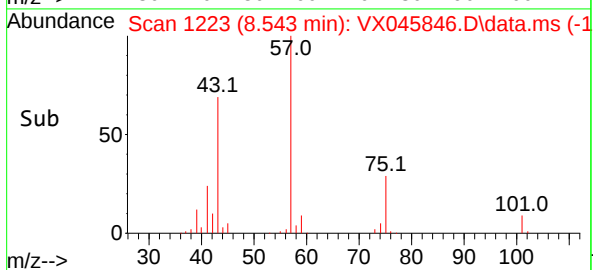
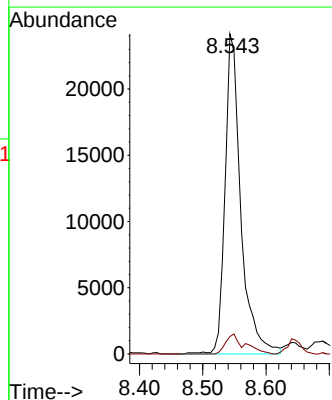
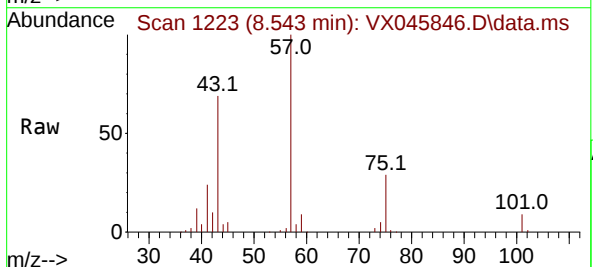
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

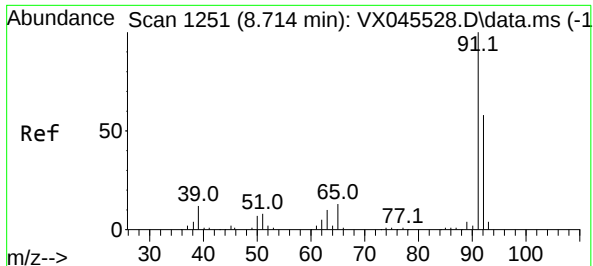
Tgt Ion: 98 Resp: 164194
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.963 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Tgt Ion: 43 Resp: 41696
Ion Ratio Lower Upper
43 100
58 5.0 28.5 42.7#

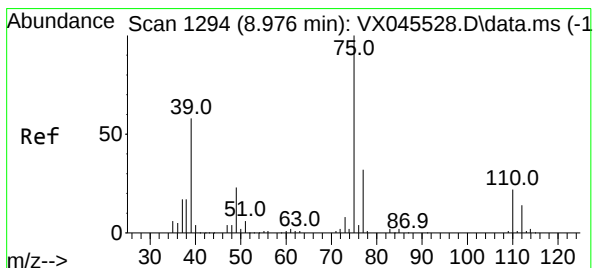
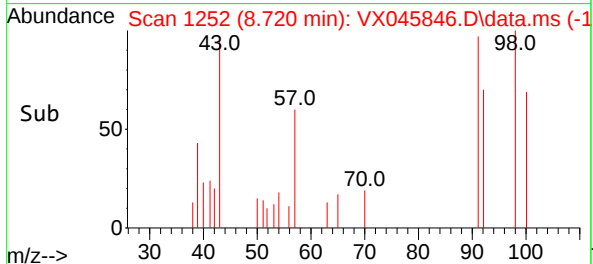
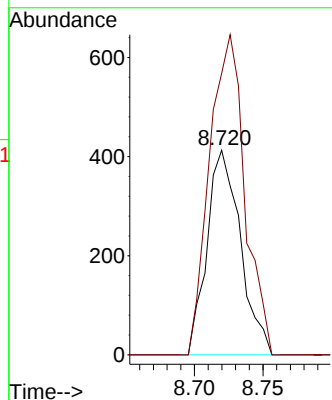
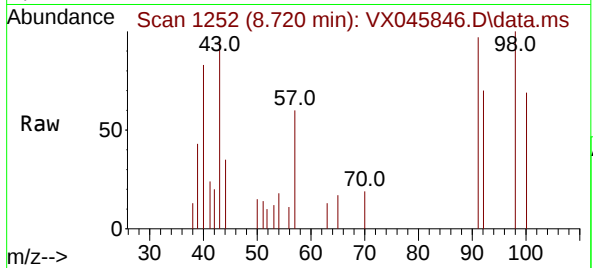




#52
Toluene
Concen: 0.298 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

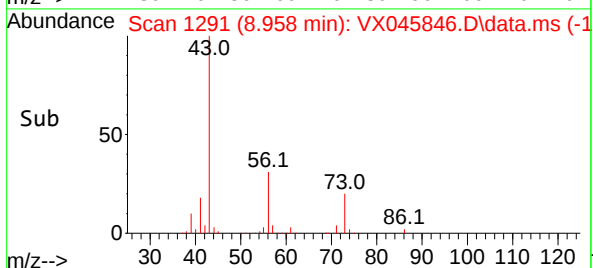
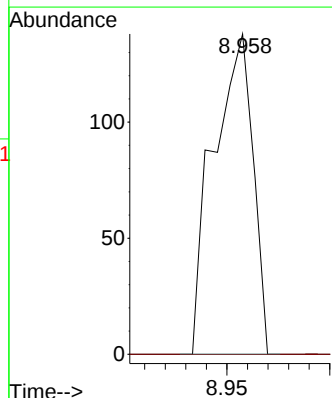
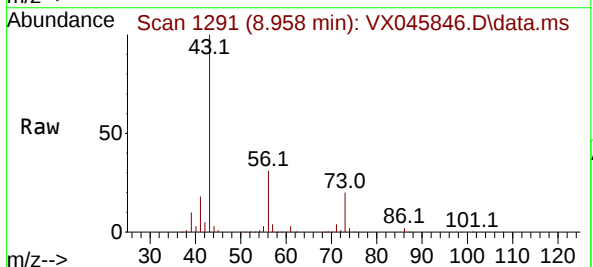
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

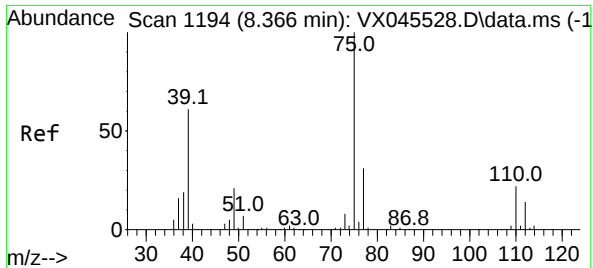
Tgt Ion: 92 Resp: 699
Ion Ratio Lower Upper
92 100
91 166.0 138.7 208.1



#53
t-1,3-Dichloropropene
Concen: 2.413 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Tgt Ion: 75 Resp: 185
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

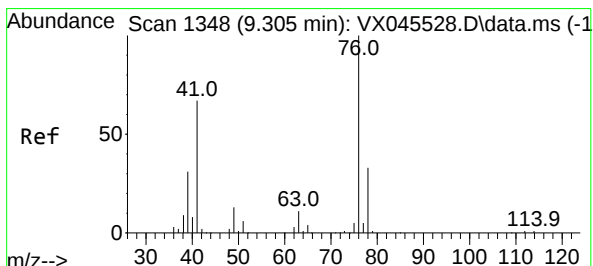
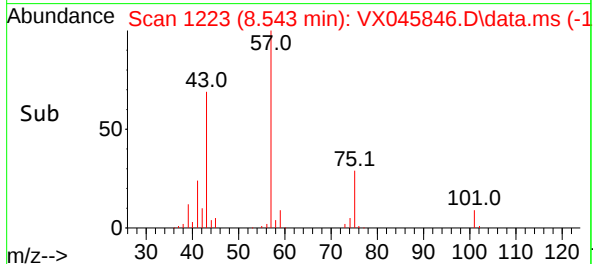
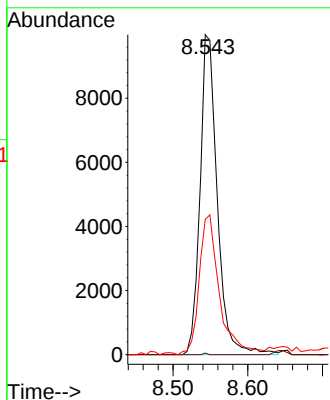
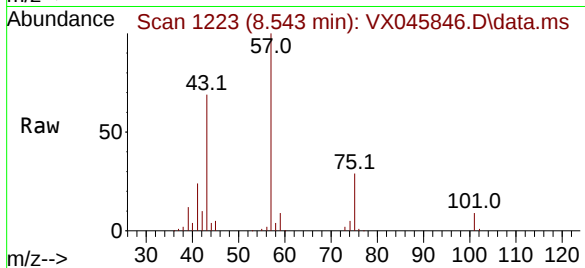




#54
cis-1,3-Dichloropropene
Concen: 11.494 ug/l
RT: 8.543 min Scan# 1194
Delta R.T. 0.177 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

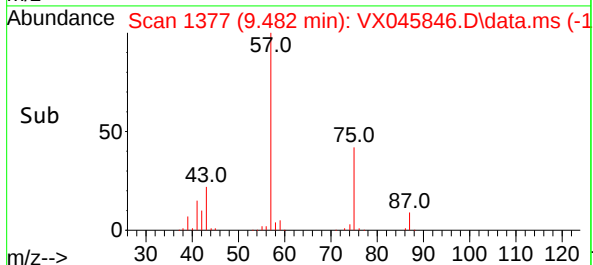
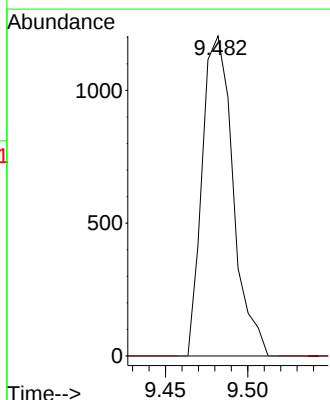
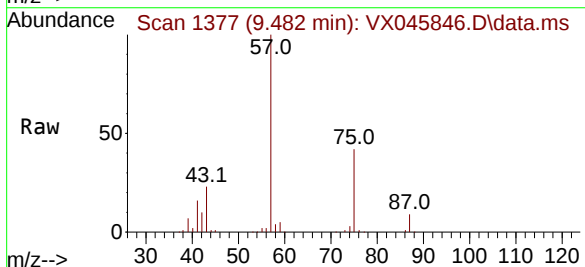
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

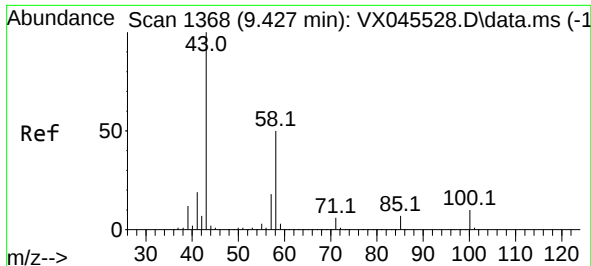
Tgt Ion: 75 Resp: 16005
Ion Ratio Lower Upper
75 100
77 0.5 24.6 36.8#
39 42.3 48.4 72.6#



#57
1,3-Dichloropropane
Concen: 0.968 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Tgt Ion: 76 Resp: 1574
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

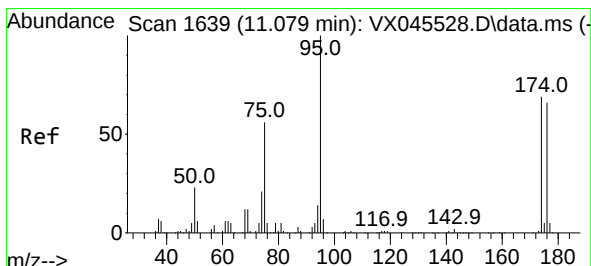
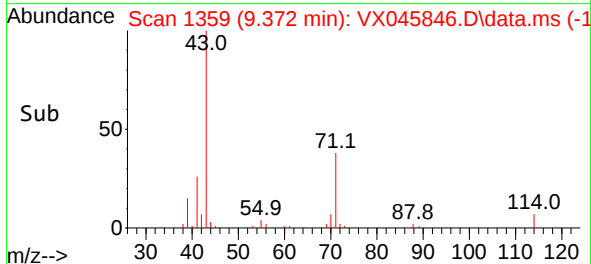
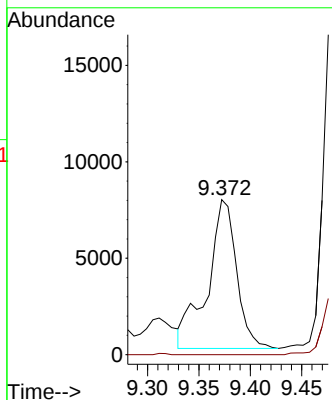
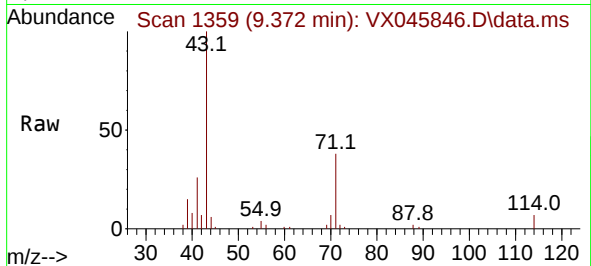




#59
2-Hexanone
Concen: 12.777 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

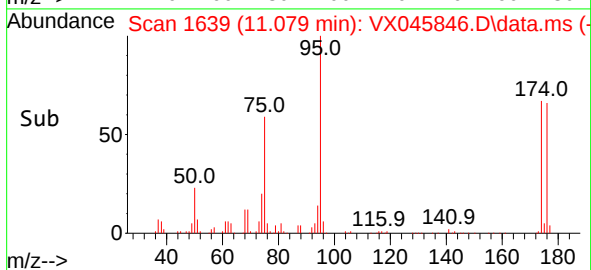
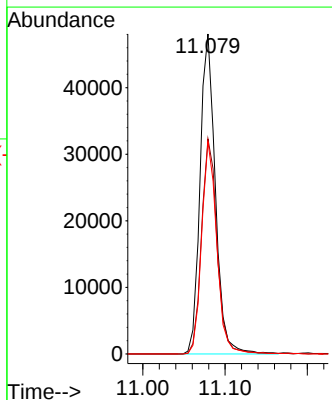
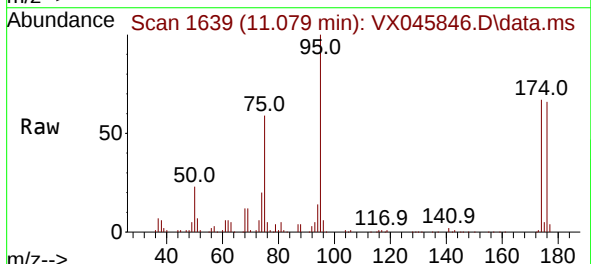
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

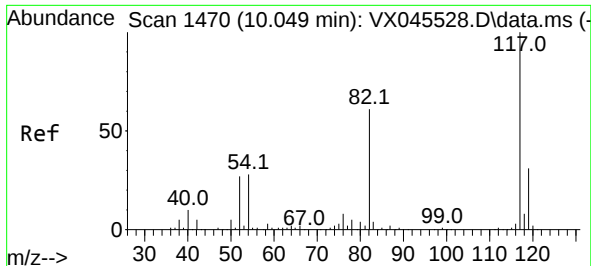
Tgt Ion: 43 Resp: 15196
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.094 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Tgt Ion: 95 Resp: 62218
Ion Ratio Lower Upper
95 100
174 68.5 0.0 135.8
176 65.4 0.0 131.4

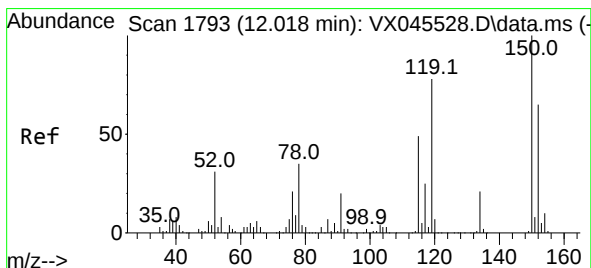
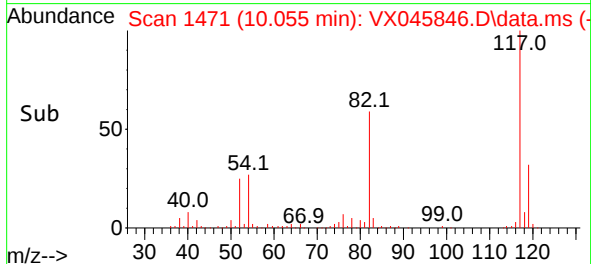
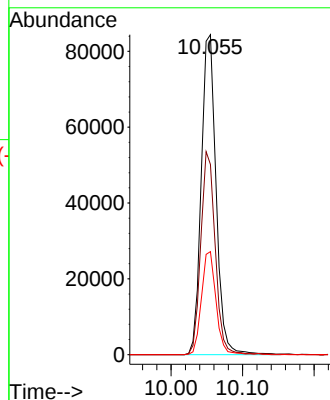
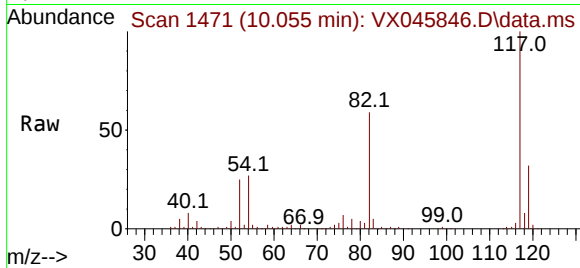




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

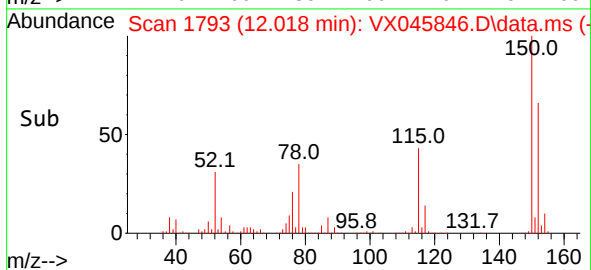
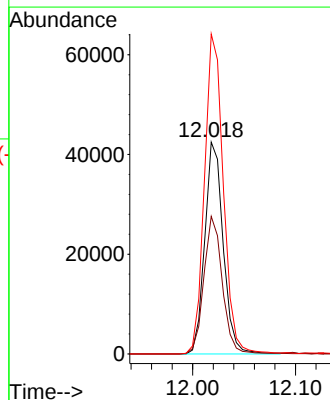
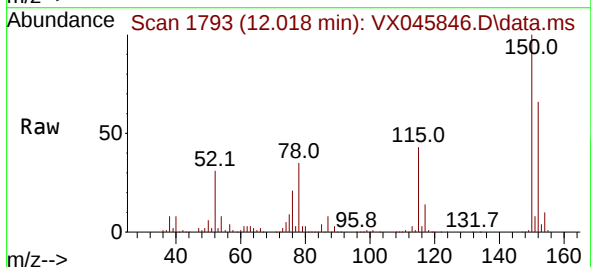
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

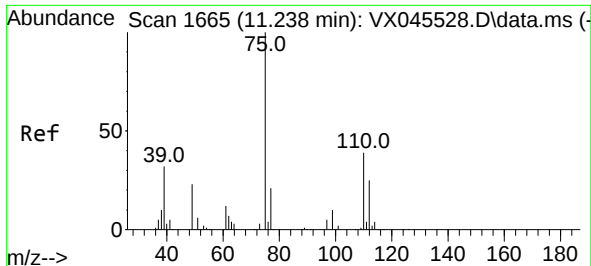
Tgt Ion:117 Resp: 121856
Ion Ratio Lower Upper
117 100
82 59.5 49.2 73.8
119 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Tgt Ion:152 Resp: 53059
Ion Ratio Lower Upper
152 100
115 65.1 46.9 140.7
150 154.6 0.0 349.4

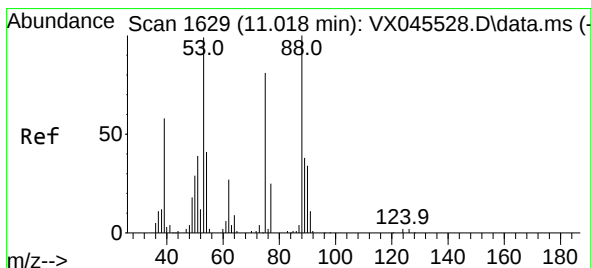
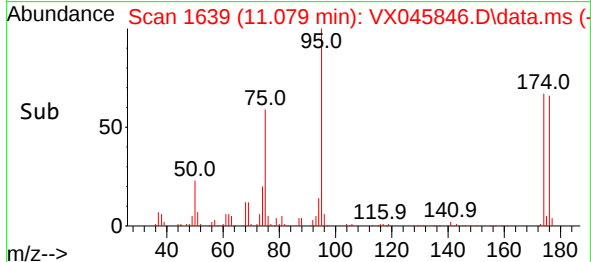
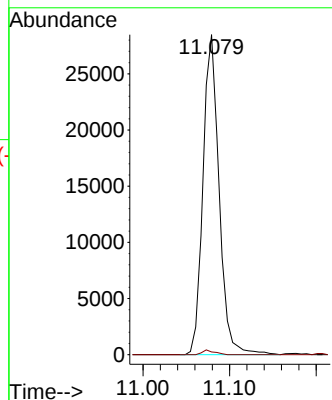
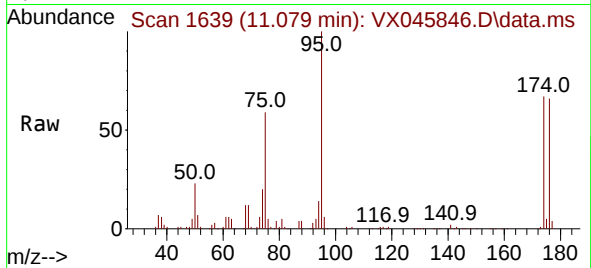




#76
1,2,3-Trichloropropane
Concen: 28.438 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

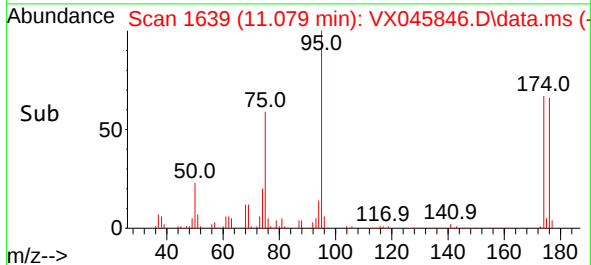
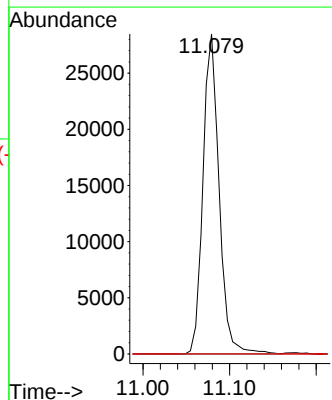
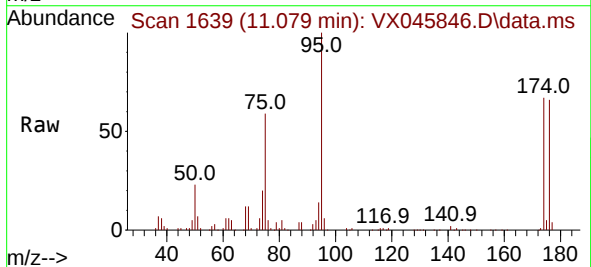
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

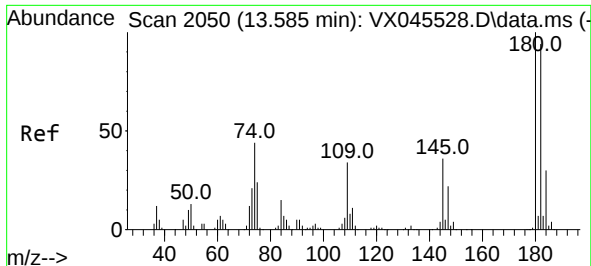
Tgt Ion: 75 Resp: 36806
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.517 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

Tgt Ion: 75 Resp: 36806
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

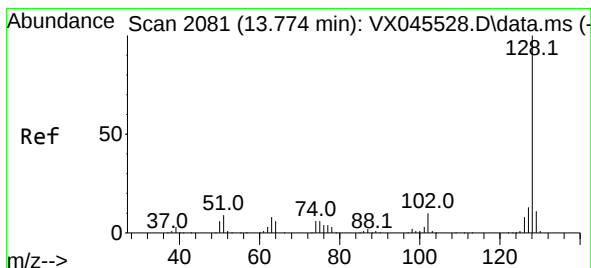
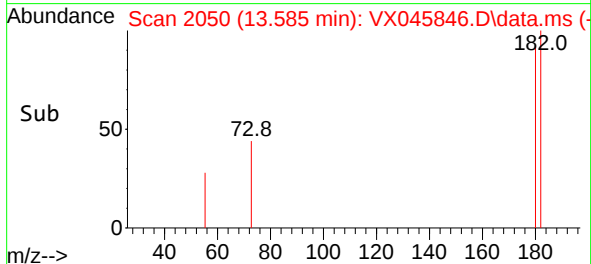
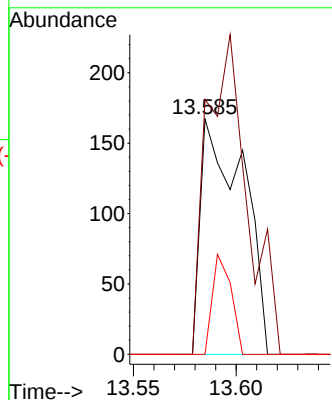
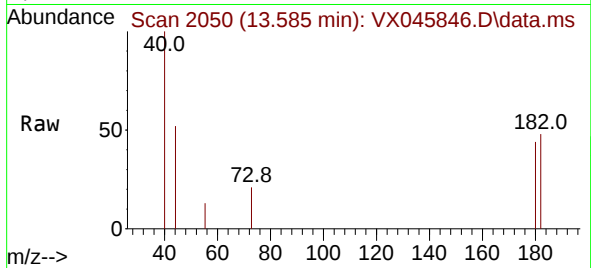




#93
1,2,4-Trichlorobenzene
Concen: 0.244 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

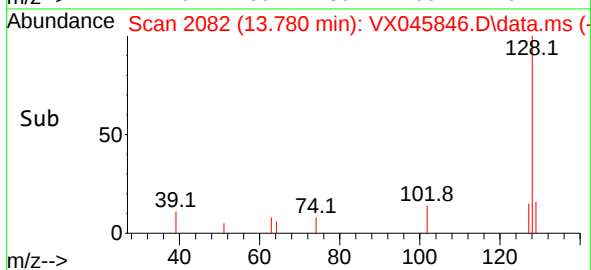
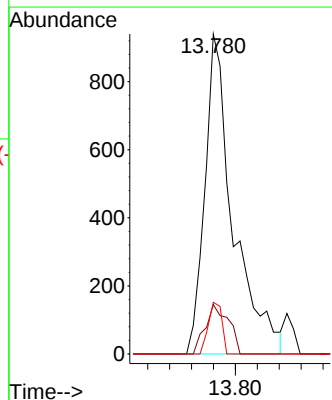
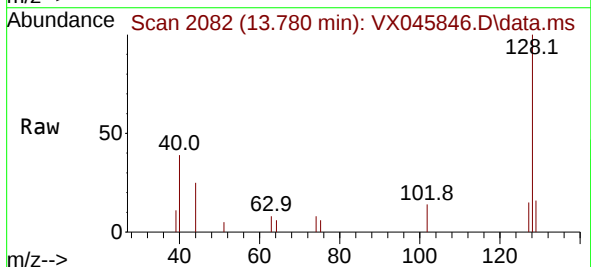
Instrument :
MSVOA_X
ClientSampleId :
PB167623TB

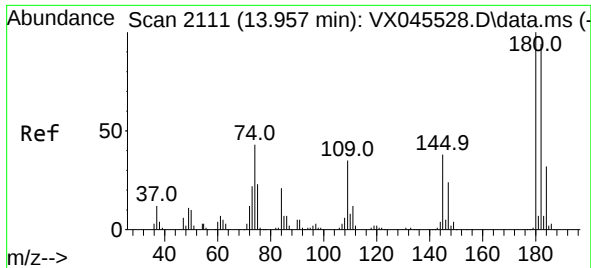
Tgt Ion:180 Resp: 241
Ion Ratio Lower Upper
180 100
182 129.0 47.9 143.6
145 18.7 17.9 53.8



#95
Naphthalene
Concen: 0.456 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045846.D
Acq: 18 Apr 2025 10:41

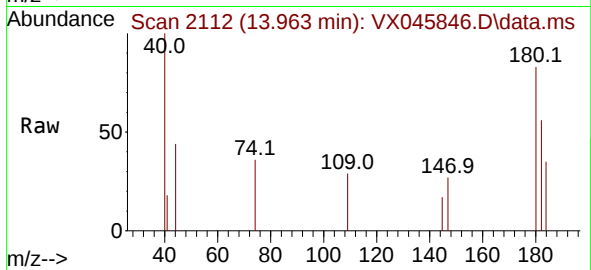
Tgt Ion:128 Resp: 1679
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 7.7 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.398 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX045846.D
 Acq: 18 Apr 2025 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167623TB



Tgt Ion:	180	Resp:	412
Ion	Ratio	Lower	Upper
180	100		
182	78.2	47.3	141.8
145	26.5	18.2	54.6

