

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045106.D
 Acq On : 03 Mar 2025 11:53
 Operator : JC/MD
 Sample : PB166928ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB166928ZHE#01

Quant Time: Mar 04 05:21:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

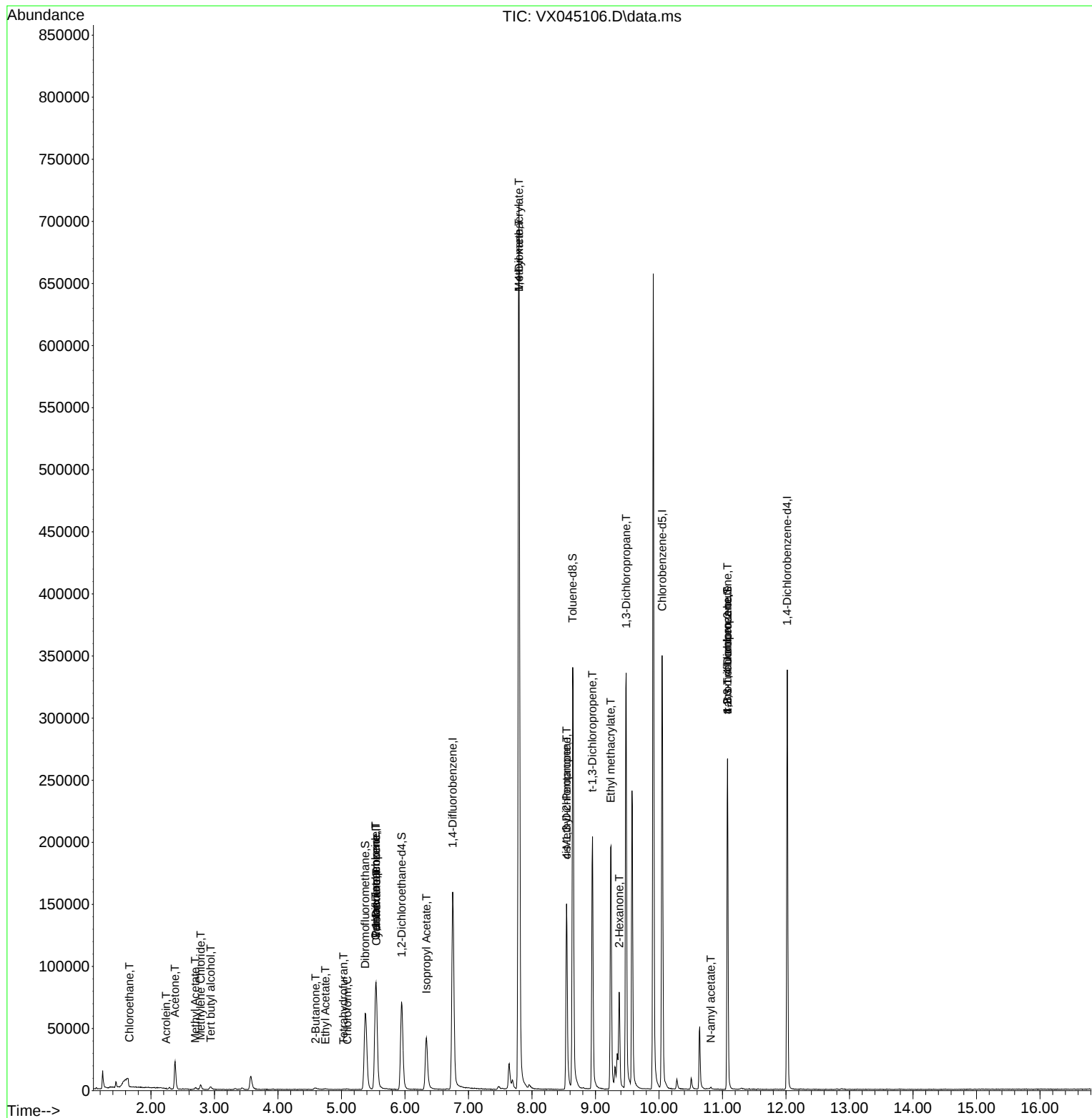
Internal Standards						
1) Pentafluorobenzene	5.544	168	81781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	164951	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	150327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67300	51.736	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.480%			
35) Dibromofluoromethane	5.373	113	55525	50.341	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.680%			
50) Toluene-d8	8.641	98	206076	51.536	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.080%			
62) 4-Bromofluorobenzene	11.079	95	70419	53.144	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.280%			
Target Compounds					Qvalue	
6) Chloroethane	1.660	64	196	0.340	ug/l #	41
11) Tert butyl alcohol	2.941	59	1590	6.453	ug/l #	73
13) Acrolein	2.240	56	113	0.397	ug/l #	15
16) Acetone	2.380	43	24490	40.576	ug/l	99
18) Methyl Acetate	2.697	43	1867	1.286	ug/l	91
20) Methylene Chloride	2.782	84	1769	1.480	ug/l	95
25) 2-Butanone	4.593	43	3046	3.353	ug/l	92
29) Tetrahydrofuran	5.032	42	191	0.313	ug/l #	74
30) Chloroform	5.093	83	595	0.294	ug/l #	63
31) Cyclohexane	5.550	56	2156	1.218	ug/l #	58
36) 1,1-Dichloropropene	5.544	75	7277	4.811	ug/l #	49
37) Ethyl Acetate	4.745	43	1634	0.838	ug/l #	70
38) Carbon Tetrachloride	5.538	117	8508	5.540	ug/l #	15
43) Isopropyl Acetate	6.336	43	61044	21.180	ug/l	100
48) Methyl methacrylate	7.793	41	65264	45.135	ug/l #	45
49) 1,4-Dioxane	7.793	88	48	1.574	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	57654	29.792	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	449	0.315	ug/l #	42
54) cis-1,3-Dichloropropene	8.543	75	24351	14.671	ug/l #	67
56) Ethyl methacrylate	9.238	69	445	0.254	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3235	1.620	ug/l #	43
59) 2-Hexanone	9.372	43	63254	45.112	ug/l #	26
74) N-amyl acetate	10.817	43	613	0.261	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	37901	25.402	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37901	86.929	ug/l #	6

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

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Quant Time: Mar 04 05:21:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

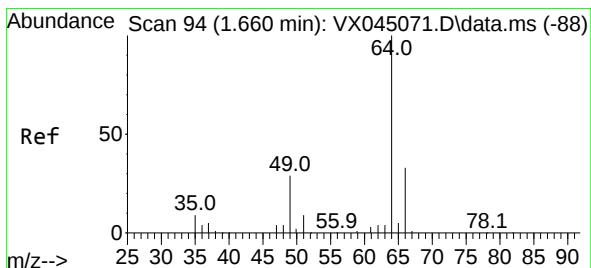
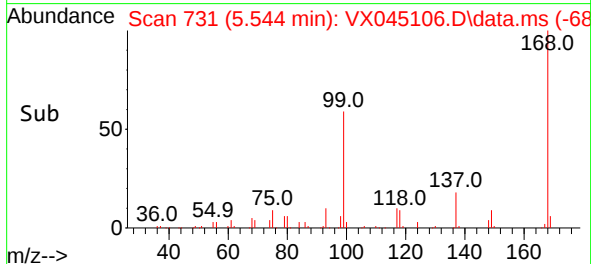
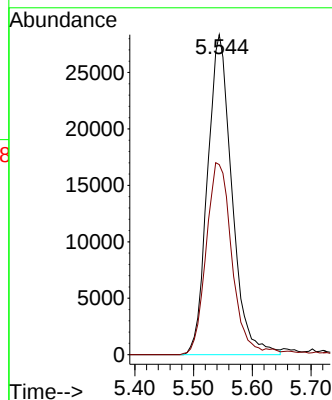
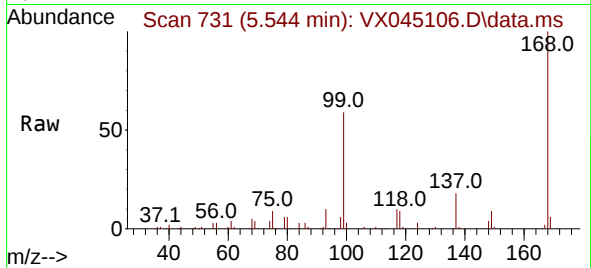




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

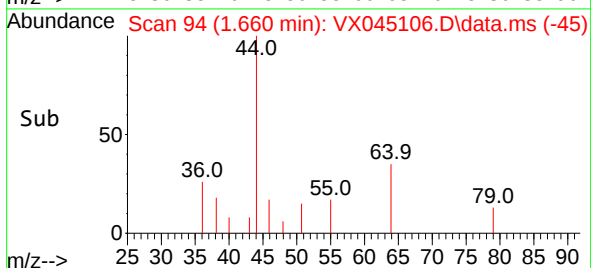
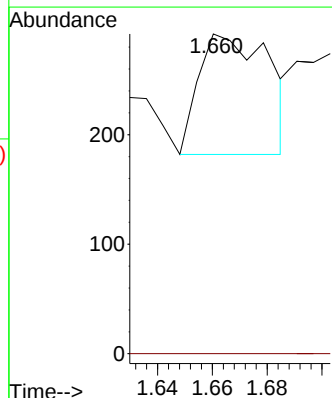
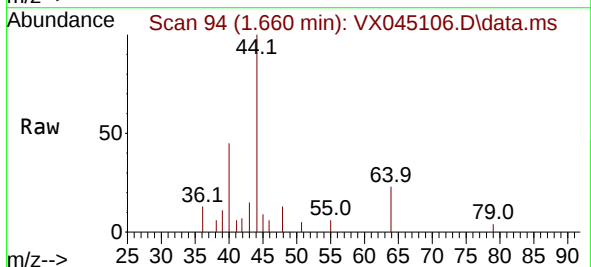
Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

Tgt Ion:168 Resp: 81781
Ion Ratio Lower Upper
168 100
99 59.4 48.2 72.4



#6
Chloroethane
Concen: 0.340 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Tgt Ion: 64 Resp: 196
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#11

Tert butyl alcohol

Concen: 6.453 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX045106.D

Acq: 03 Mar 2025 11:53

Instrument :

MSVOA_X

ClientSampleId :

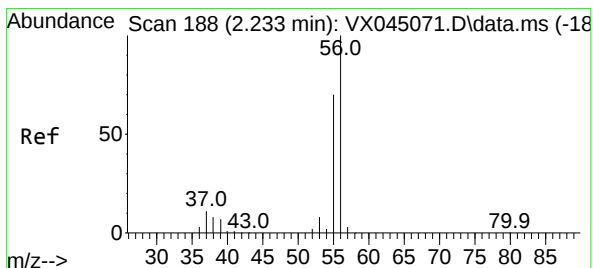
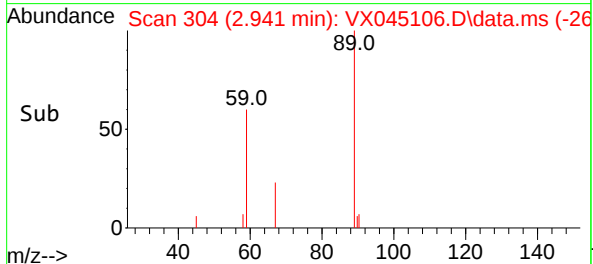
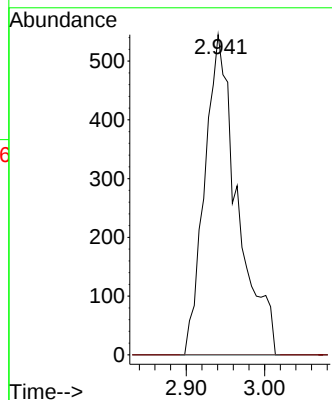
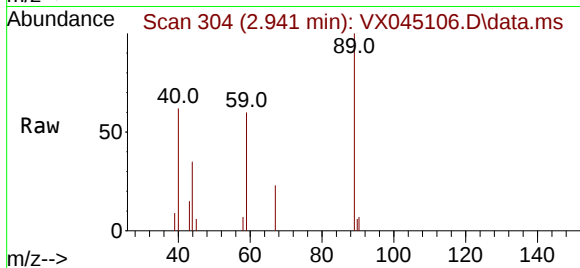
PB166928ZHE#01

Tgt Ion: 59 Resp: 1590

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 0.397 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX045106.D

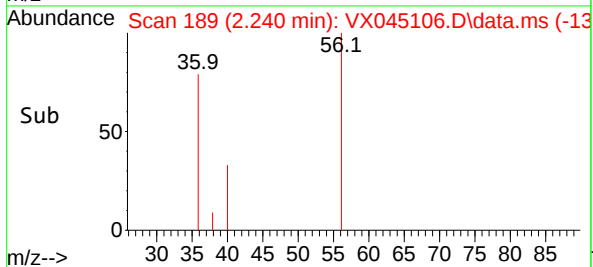
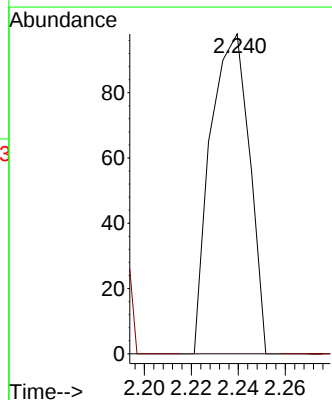
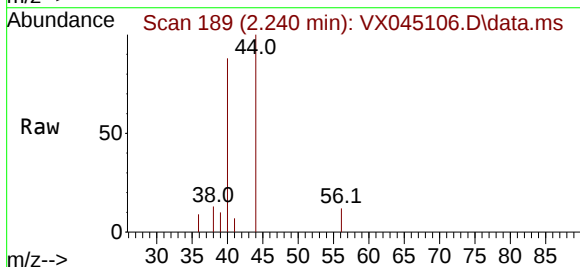
Acq: 03 Mar 2025 11:53

Tgt Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#

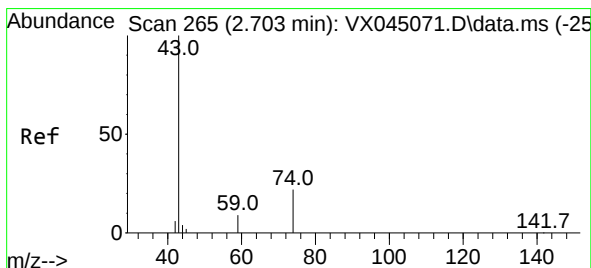
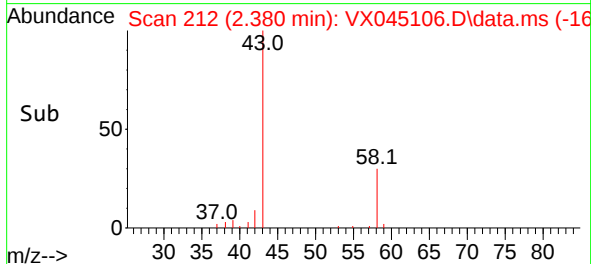
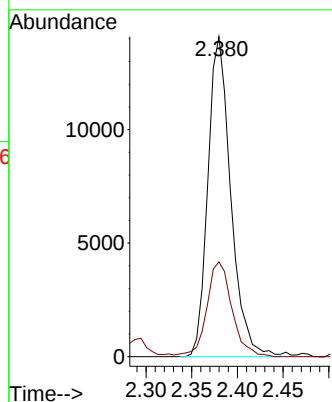
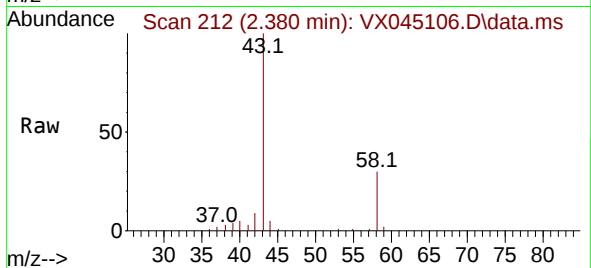




#16
Acetone
Concen: 40.576 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

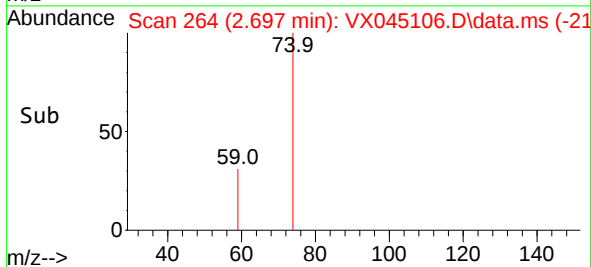
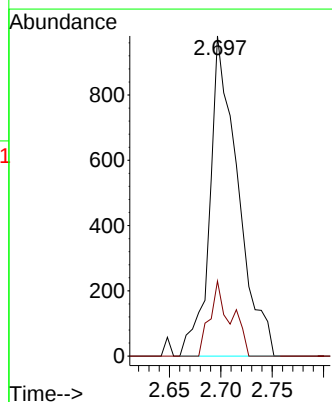
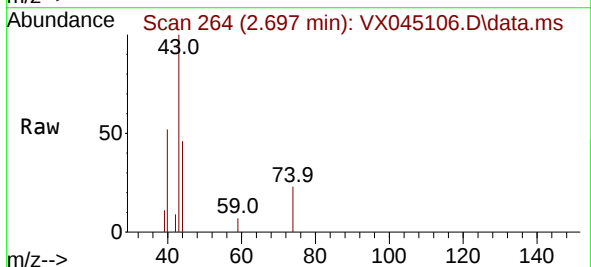
Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

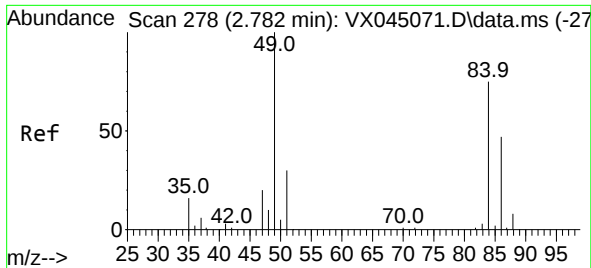
Tgt Ion: 43 Resp: 24490
Ion Ratio Lower Upper
43 100
58 29.6 24.2 36.4



#18
Methyl Acetate
Concen: 1.286 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Tgt Ion: 43 Resp: 1867
Ion Ratio Lower Upper
43 100
74 17.6 17.4 26.2

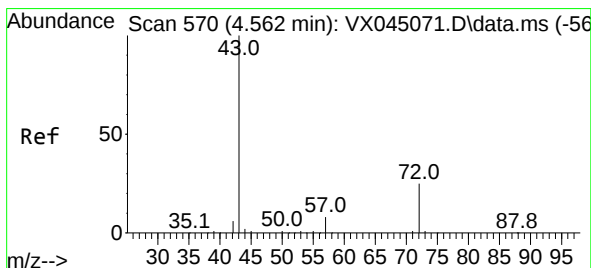
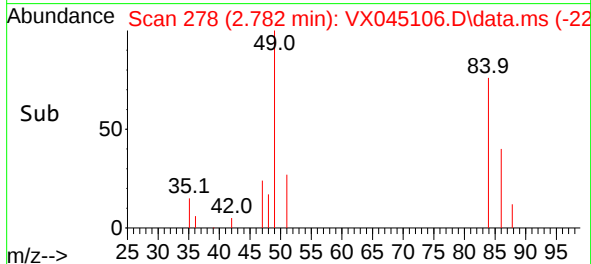
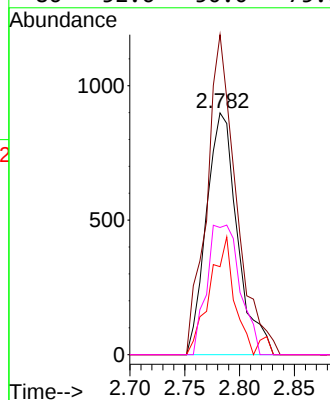
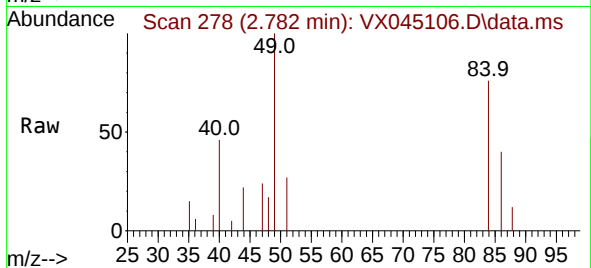




#20
Methylene Chloride
Concen: 1.480 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

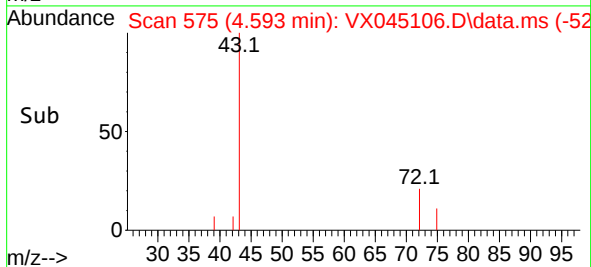
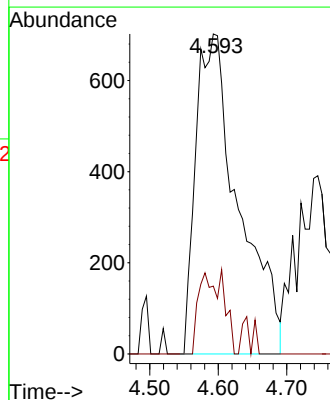
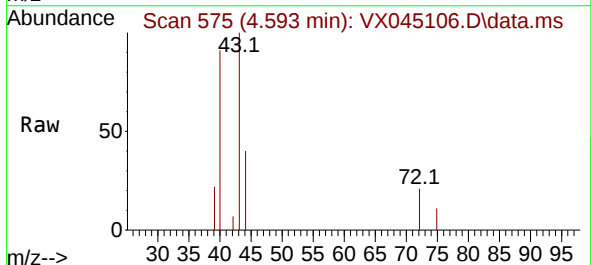
Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

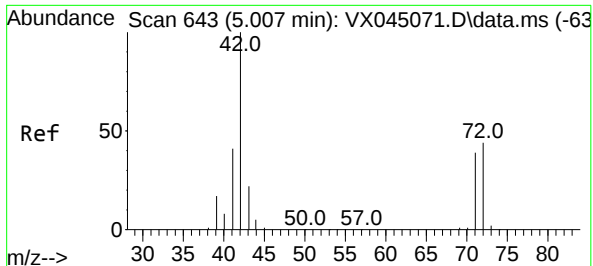
Tgt Ion:	84	Resp:	1769
Ion	Ratio	Lower	Upper
84	100		
49	132.4	106.5	159.7
51	36.4	32.1	48.1
86	52.6	50.0	75.0



#25
2-Butanone
Concen: 3.353 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.031 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Tgt Ion:	43	Resp:	3046
Ion	Ratio	Lower	Upper
43	100		
72	21.2	20.0	30.0





#29

Tetrahydrofuran

Concen: 0.313 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX045106.D

Acq: 03 Mar 2025 11:53

Instrument :

MSVOA_X

ClientSampleId :

PB166928ZHE#01

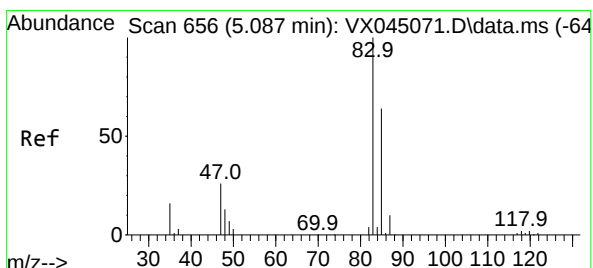
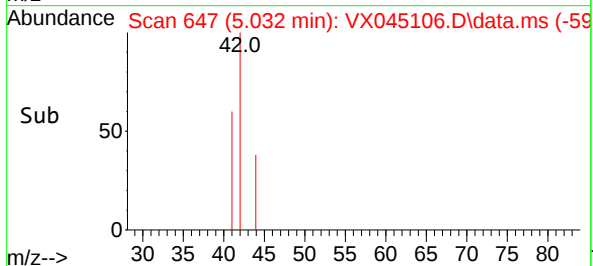
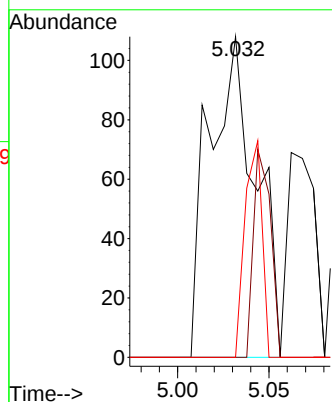
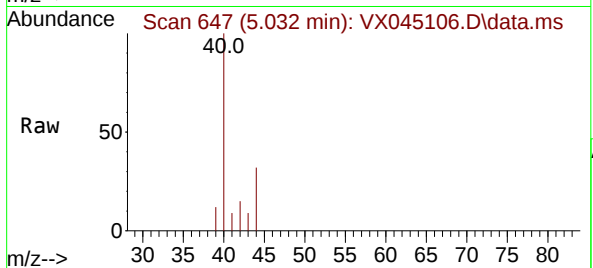
Tgt Ion: 42 Resp: 191

Ion Ratio Lower Upper

42 100

72 24.1 34.1 51.1#

71 25.1 31.4 47.0#



#30

Chloroform

Concen: 0.294 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045106.D

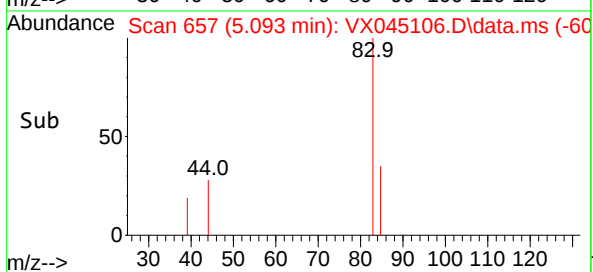
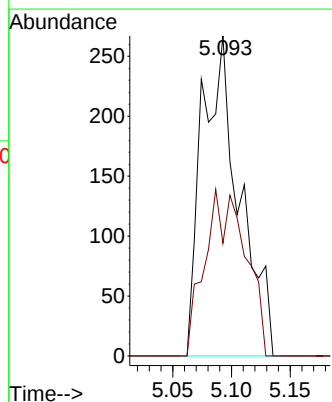
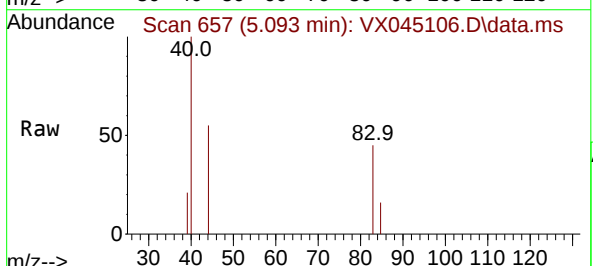
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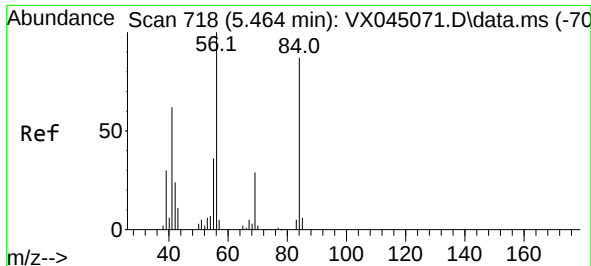
Tgt Ion: 83 Resp: 595

Ion Ratio Lower Upper

83 100

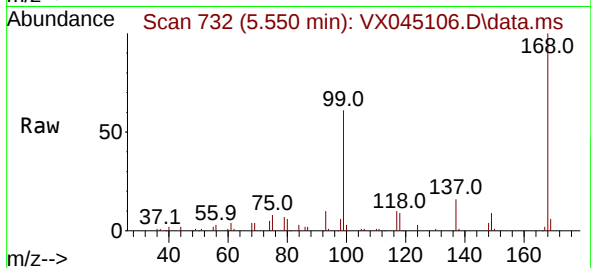
85 35.2 51.4 77.2#



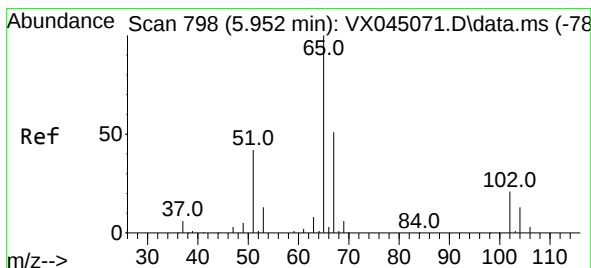
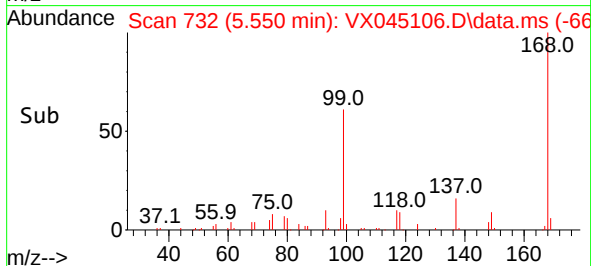
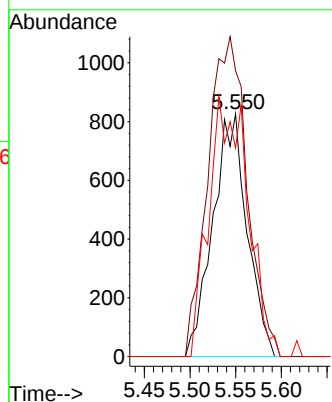


#31
Cyclohexane
Concen: 1.218 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

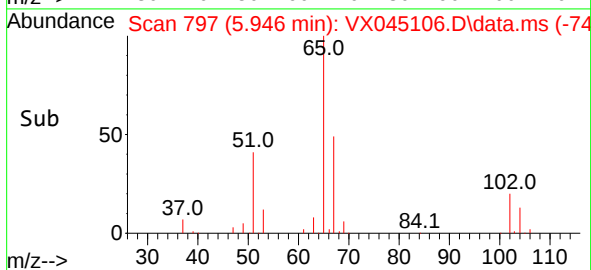
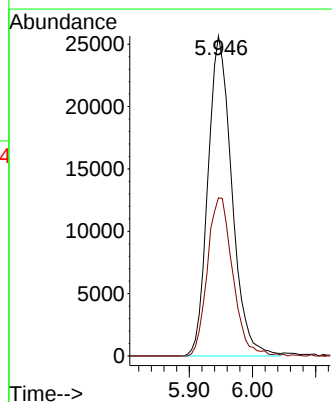
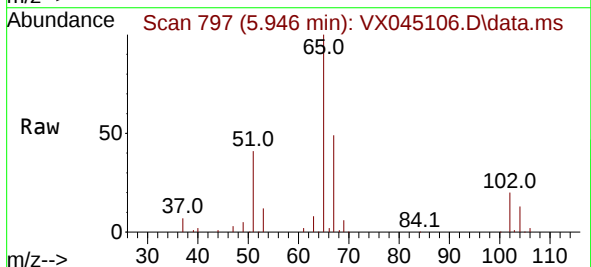


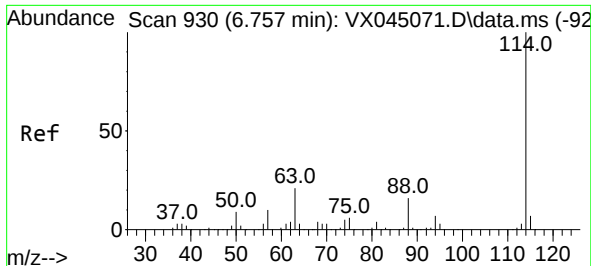
Tgt Ion: 56 Resp: 2156
Ion Ratio Lower Upper
56 100
69 117.8 23.4 35.2#
84 86.0 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 51.736 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Tgt Ion: 65 Resp: 67300
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2

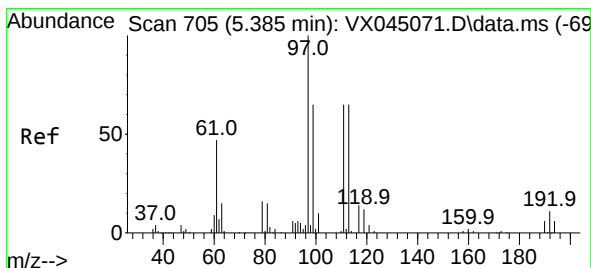
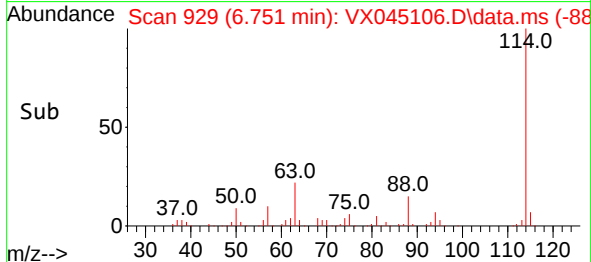
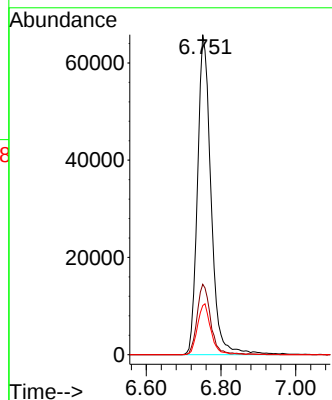
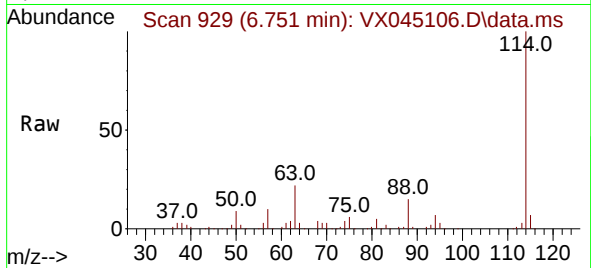




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

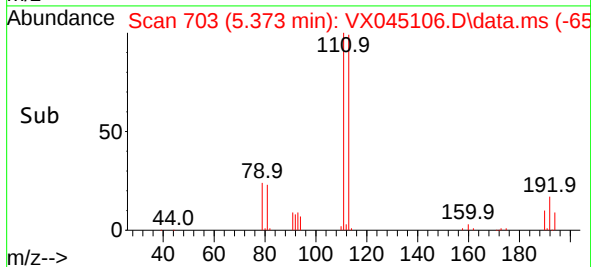
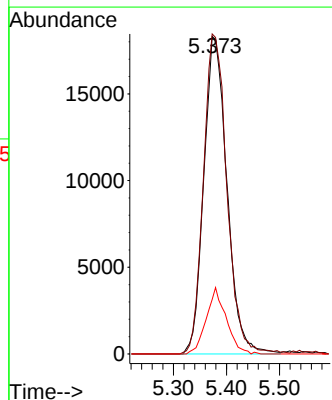
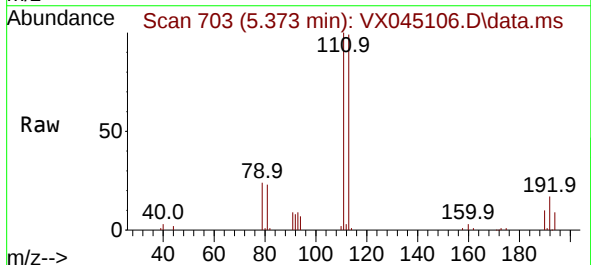
Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

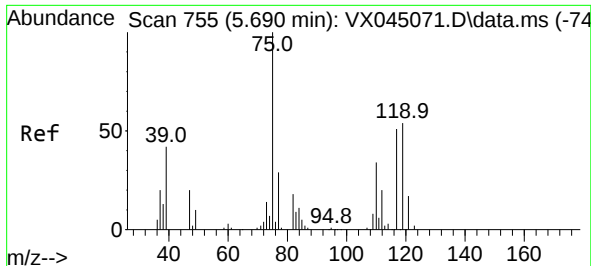
Tgt Ion:114 Resp: 164951
Ion Ratio Lower Upper
114 100
63 22.0 0.0 41.8
88 15.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.341 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.012 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Tgt Ion:113 Resp: 55525
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.6
192 18.0 14.3 21.5

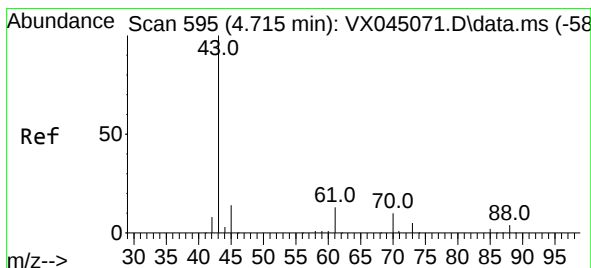
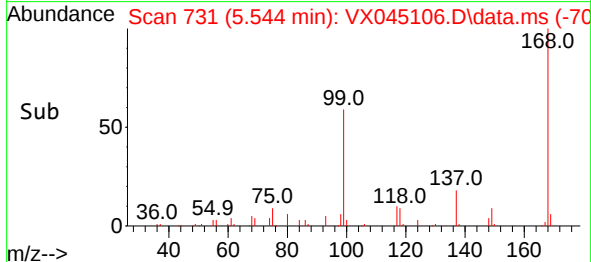
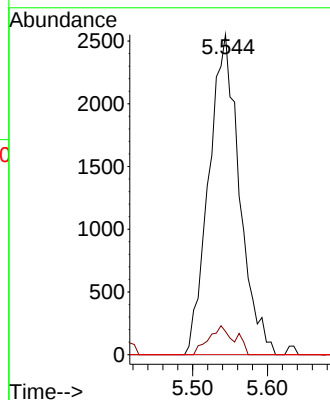
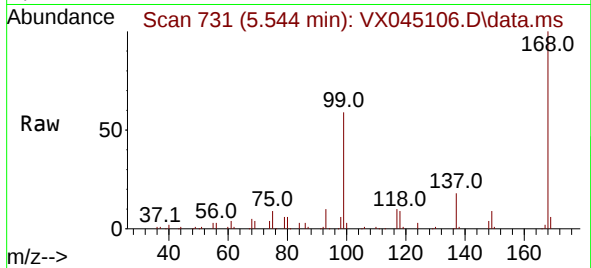




#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

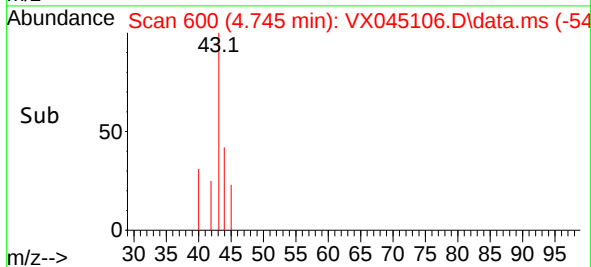
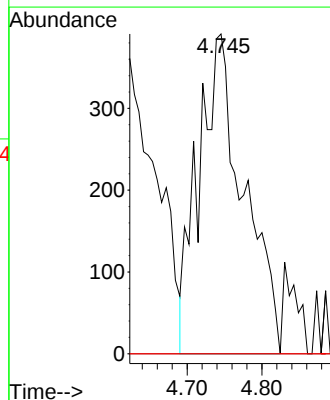
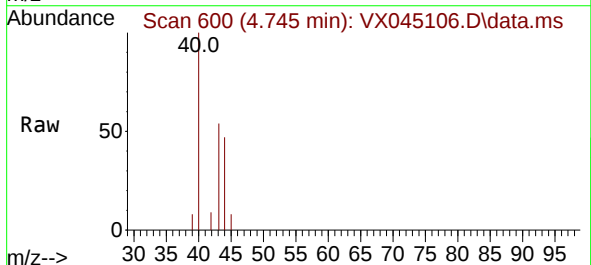
Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

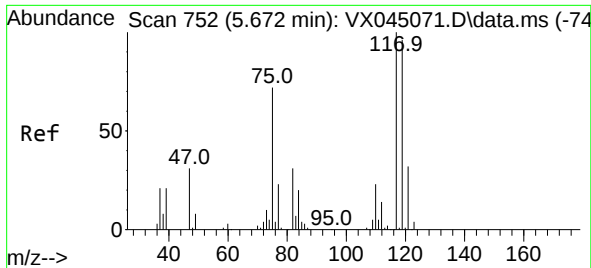
Tgt Ion: 75 Resp: 7277
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.6#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 0.838 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.031 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

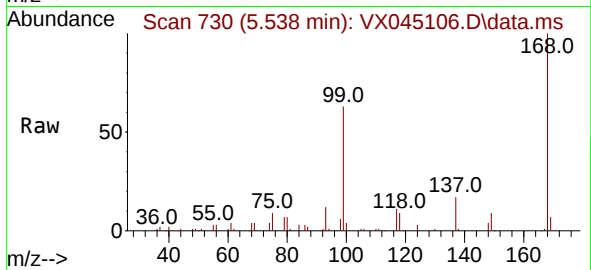
Tgt Ion: 43 Resp: 1634
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.7 11.5#



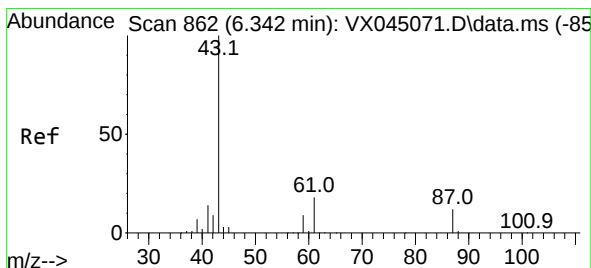
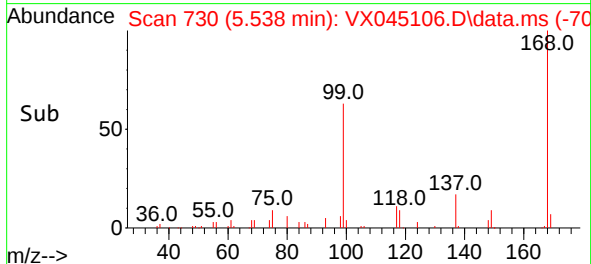
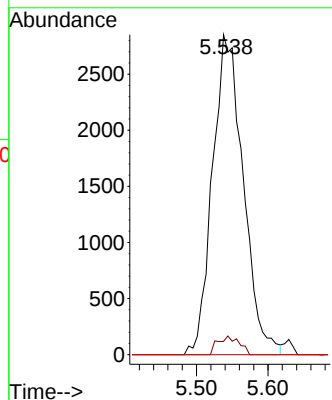


#38
Carbon Tetrachloride
Concen: 5.540 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

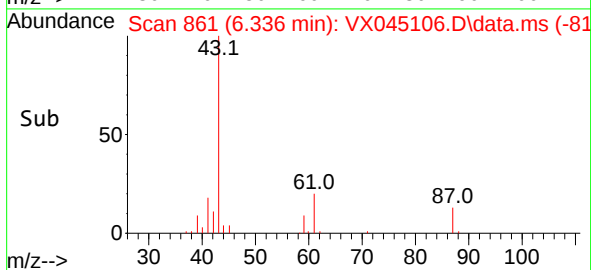
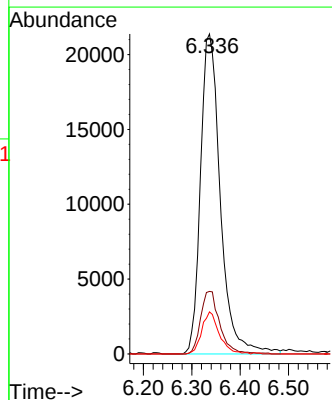
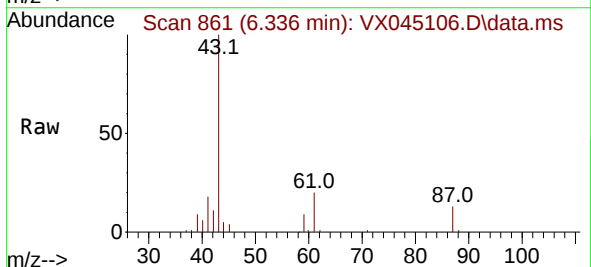


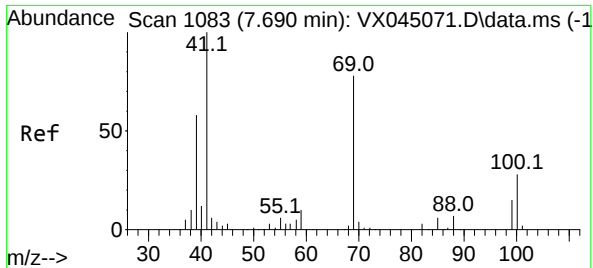
Tgt Ion:117 Resp: 8508
Ion Ratio Lower Upper
117 100
119 4.1 76.7 115.1#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 21.180 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Tgt Ion: 43 Resp: 61044
Ion Ratio Lower Upper
43 100
61 18.7 14.9 22.3
87 11.6 9.4 14.2

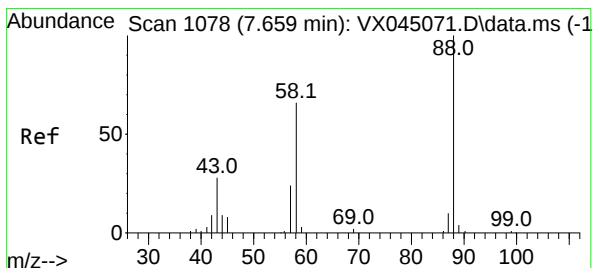
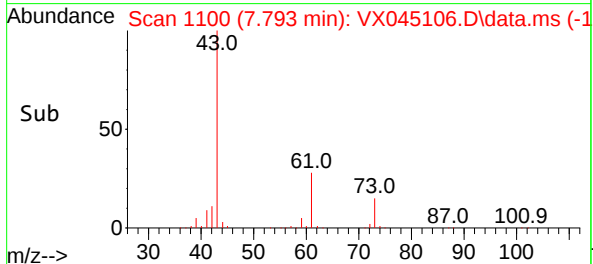
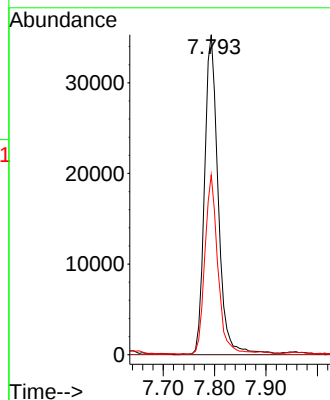
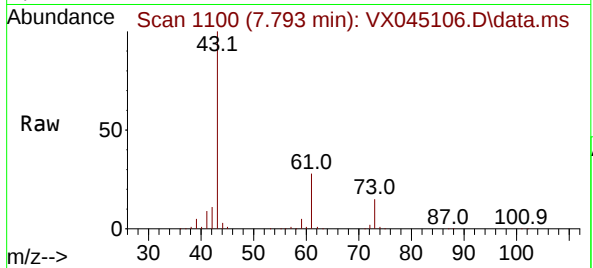




#48
Methyl methacrylate
Concen: 45.135 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

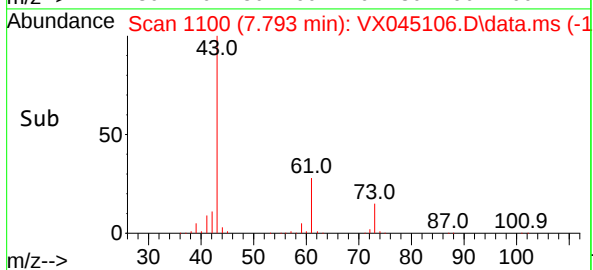
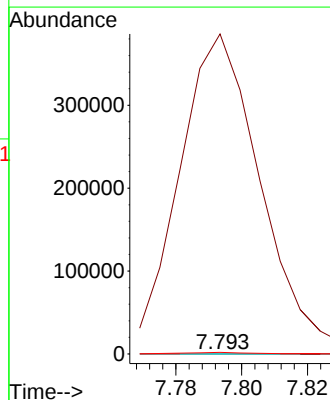
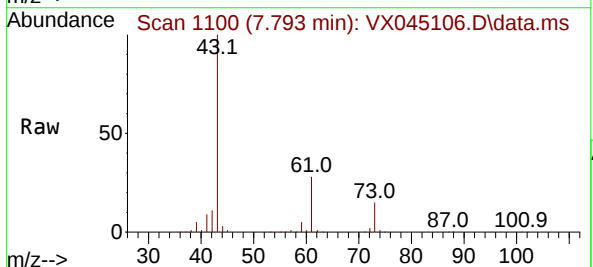
Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

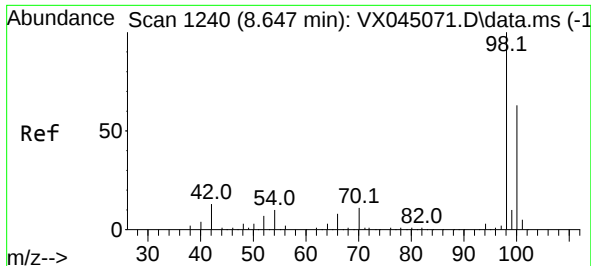
Tgt Ion: 41 Resp: 65264
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 53.1 47.5 71.3



#49
1,4-Dioxane
Concen: 1.574 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 1432647.9 28.7 43.1#
58 6393.8 55.8 83.8#

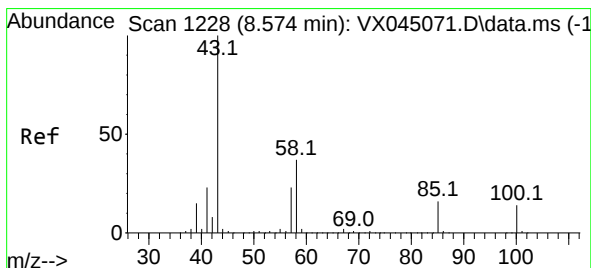
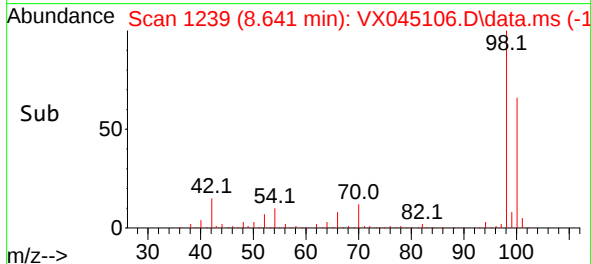
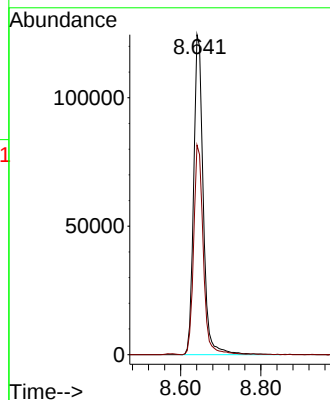
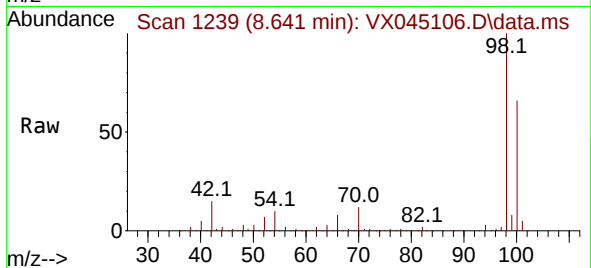




#50
Toluene-d8
Concen: 51.536 ug/l
RT: 8.641 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

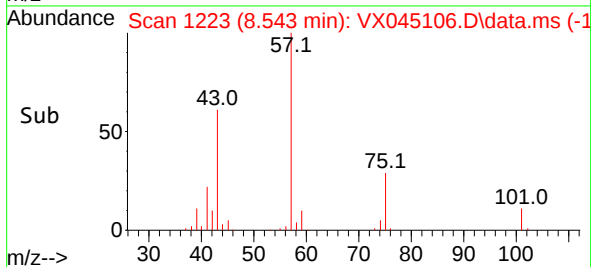
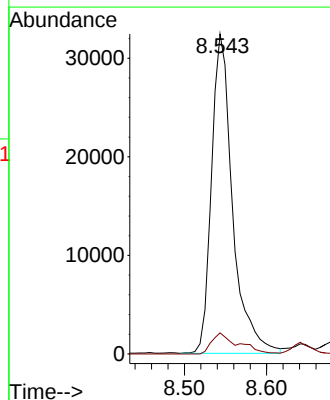
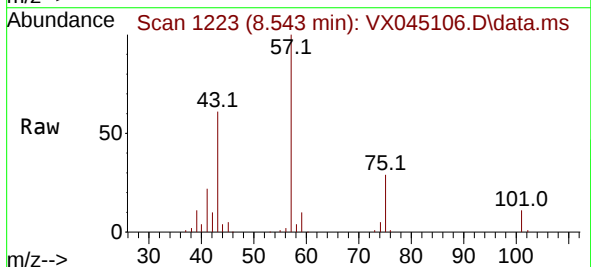
Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

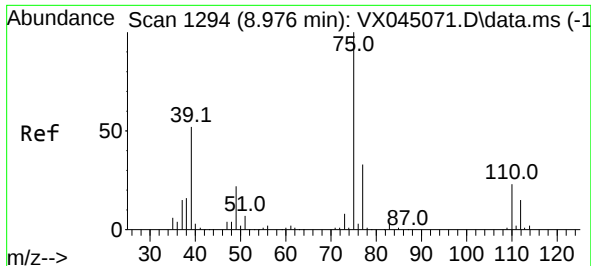
Tgt Ion: 98 Resp: 206076
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 29.792 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Tgt Ion: 43 Resp: 57654
Ion Ratio Lower Upper
43 100
58 8.4 29.2 43.8#

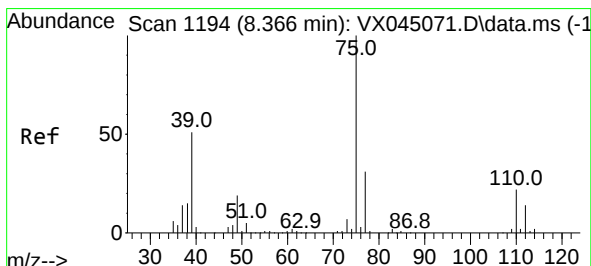
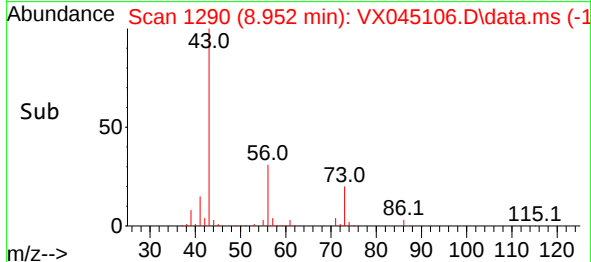
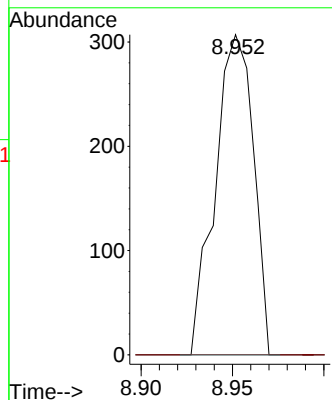
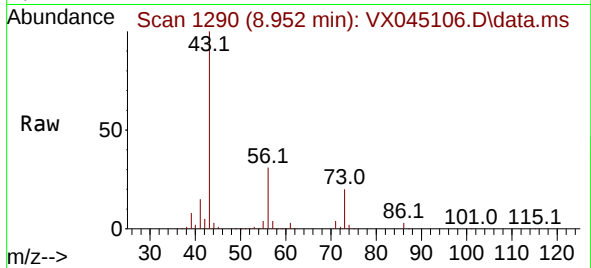




#53
 t-1,3-Dichloropropene
 Concen: 0.315 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX045106.D
 Acq: 03 Mar 2025 11:53

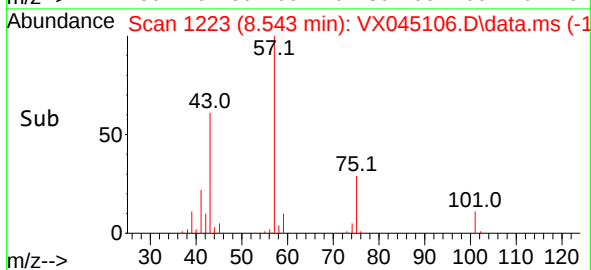
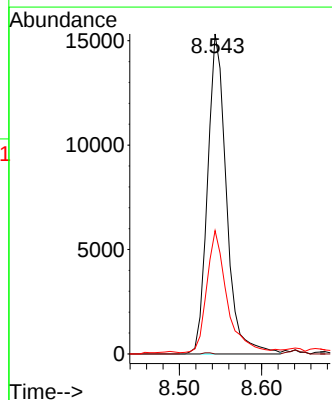
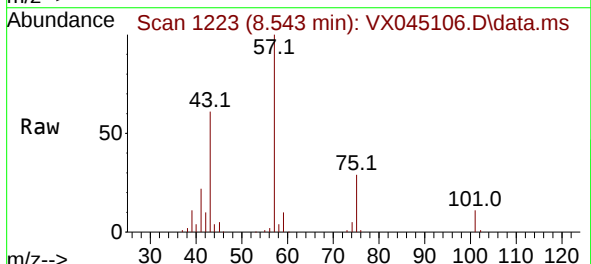
Instrument :
 MSVOA_X
 ClientSampleId :
 PB166928ZHE#01

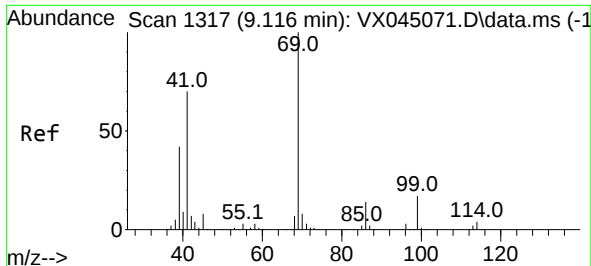
Tgt Ion: 75 Resp: 449
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.5 39.7#



#54
 cis-1,3-Dichloropropene
 Concen: 14.671 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX045106.D
 Acq: 03 Mar 2025 11:53

Tgt Ion: 75 Resp: 24351
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 38.1 40.7 61.1#

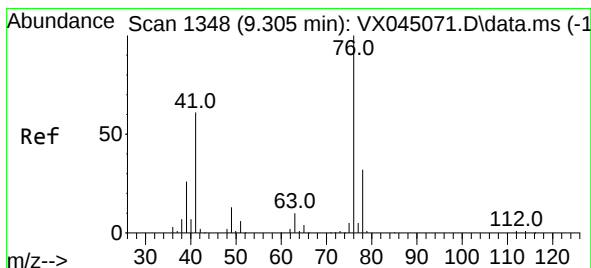
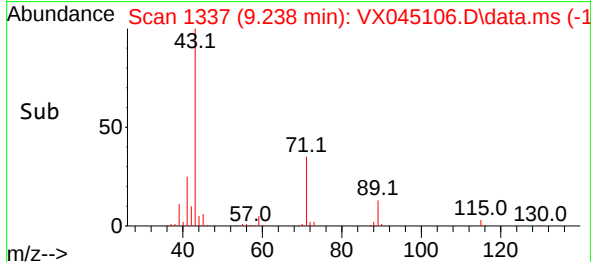
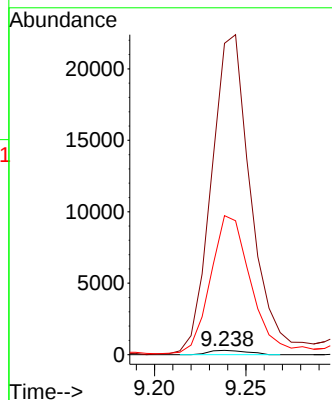
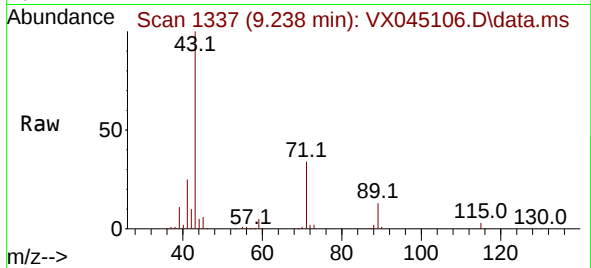




#56
Ethyl methacrylate
Concen: 0.254 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

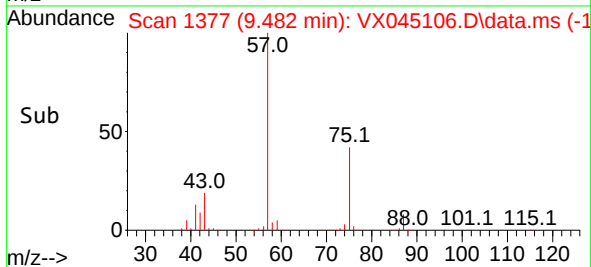
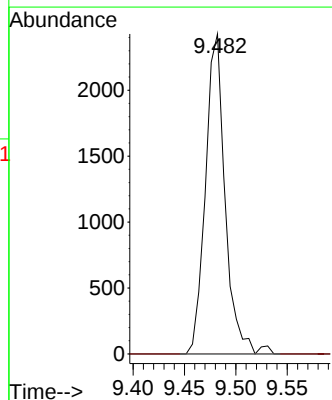
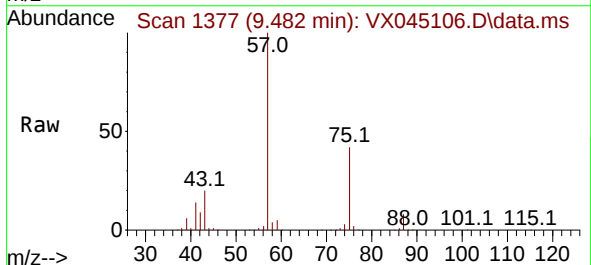
Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

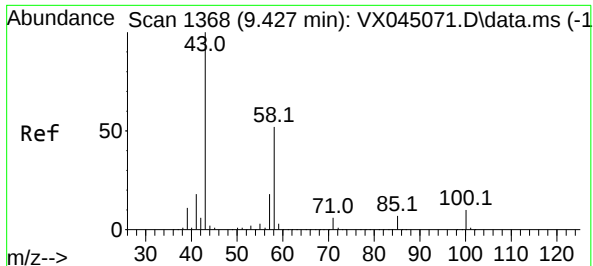
Tgt Ion: 69 Resp: 445
Ion Ratio Lower Upper
69 100
41 7662.5 57.0 85.4#
39 3367.0 34.2 51.4#



#57
1,3-Dichloropropane
Concen: 1.620 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Tgt Ion: 76 Resp: 3235
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

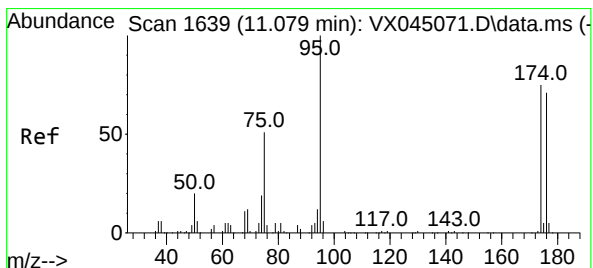
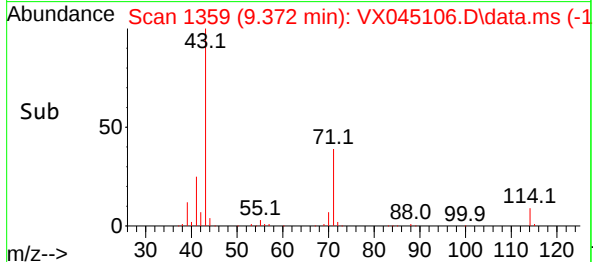
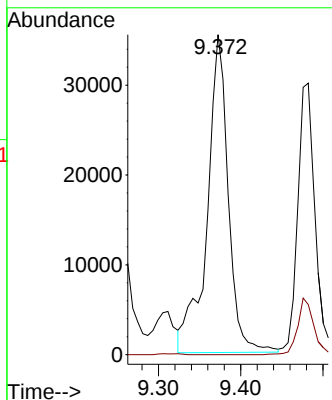
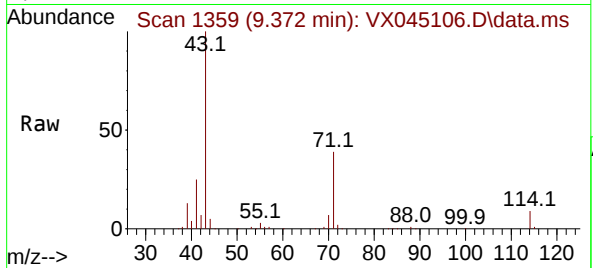




#59
2-Hexanone
Concen: 45.112 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

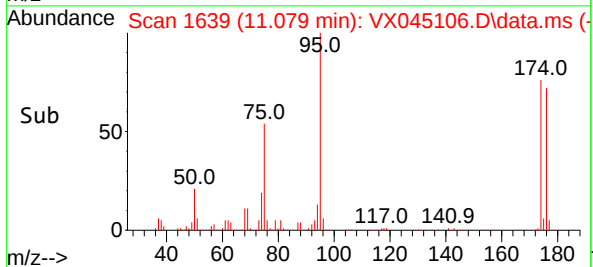
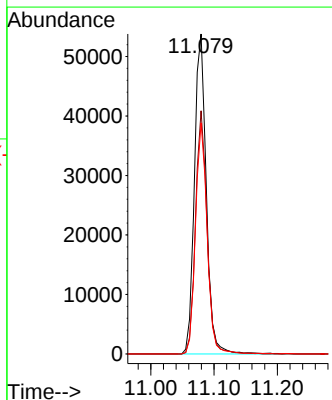
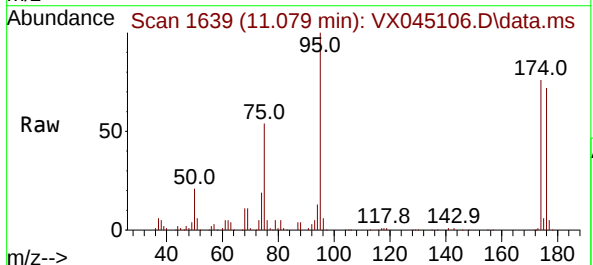
Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

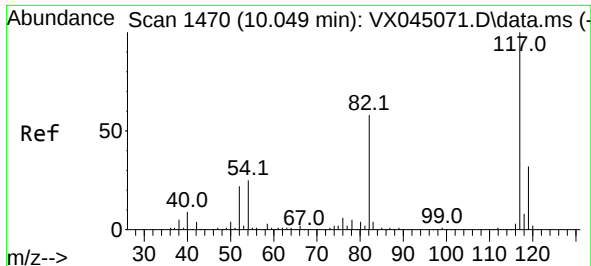
Tgt Ion: 43 Resp: 63254
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 53.144 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Tgt Ion: 95 Resp: 70419
Ion Ratio Lower Upper
95 100
174 74.2 0.0 148.2
176 70.6 0.0 141.4

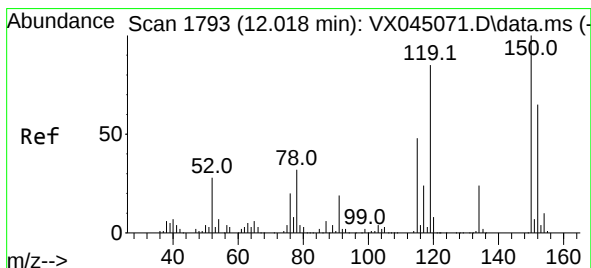
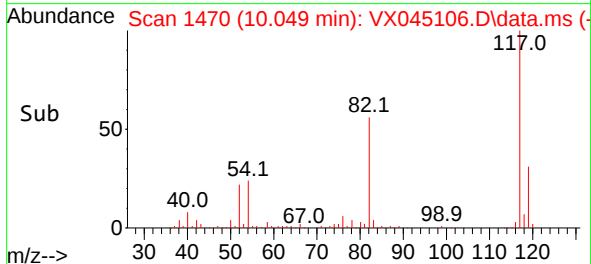
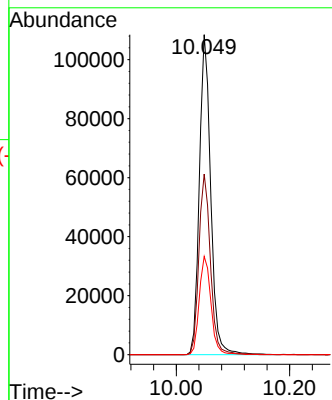
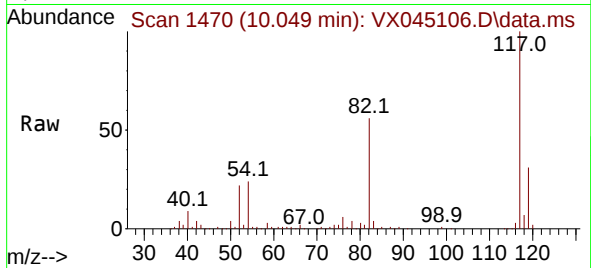




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

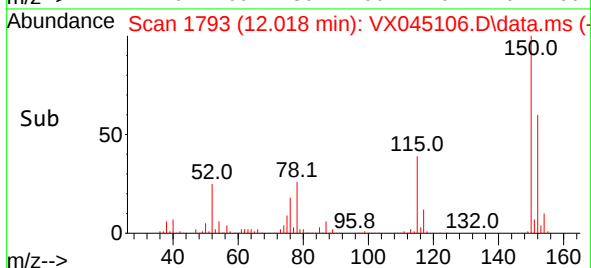
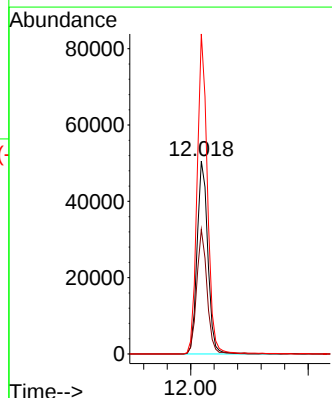
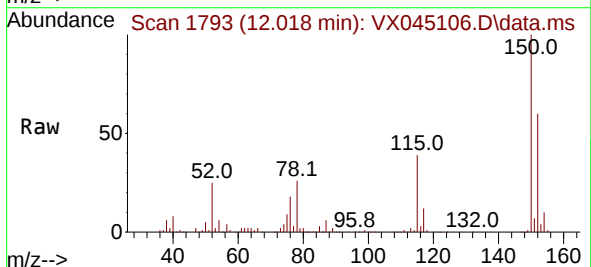
Instrument :
MSVOA_X
ClientSampleId :
PB166928ZHE#01

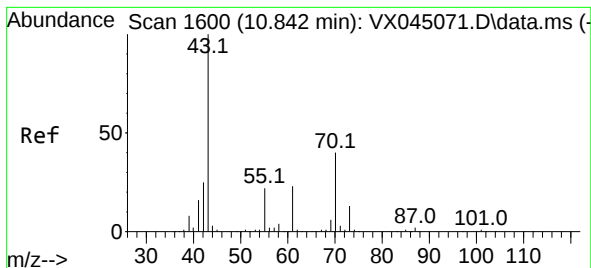
Tgt Ion:117 Resp: 150327
Ion Ratio Lower Upper
117 100
82 56.4 46.3 69.5
119 30.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045106.D
Acq: 03 Mar 2025 11:53

Tgt Ion:152 Resp: 64106
Ion Ratio Lower Upper
152 100
115 62.0 44.2 132.6
150 158.4 0.0 349.0





#74

N-amy1 acetate

Concen: 0.261 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

Lab File: VX045106.D

Acq: 03 Mar 2025 11:53

Instrument :

MSVOA_X

ClientSampleId :

PB166928ZHE#01

Tgt Ion: 43 Resp: 613

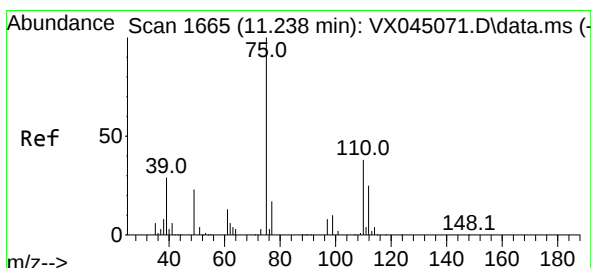
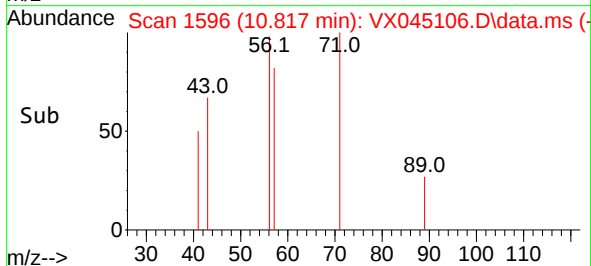
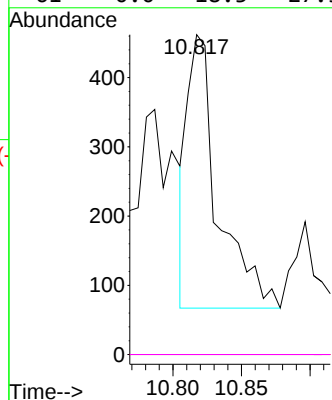
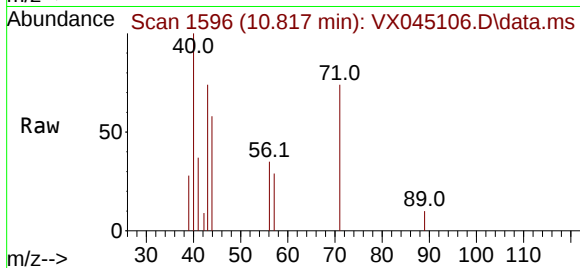
Ion Ratio Lower Upper

43 100

70 0.0 31.8 47.6#

55 0.0 18.3 27.5#

61 0.0 18.3 27.5#



#76

1,2,3-Trichloropropane

Concen: 25.402 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045106.D

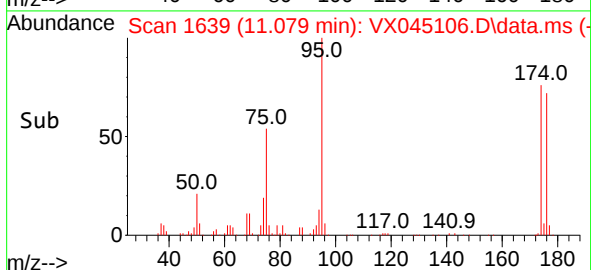
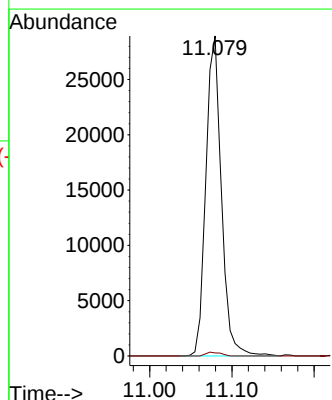
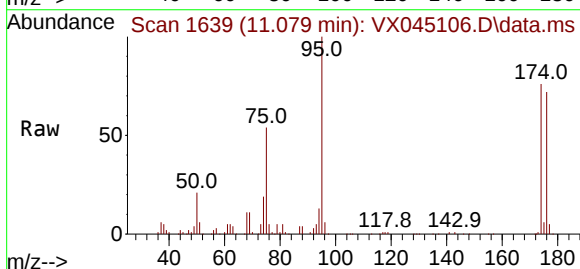
Acq: 03 Mar 2025 11:53

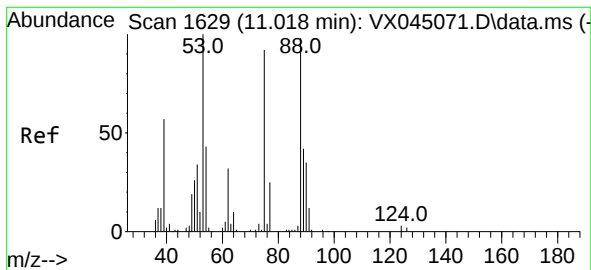
Tgt Ion: 75 Resp: 37901

Ion Ratio Lower Upper

75 100

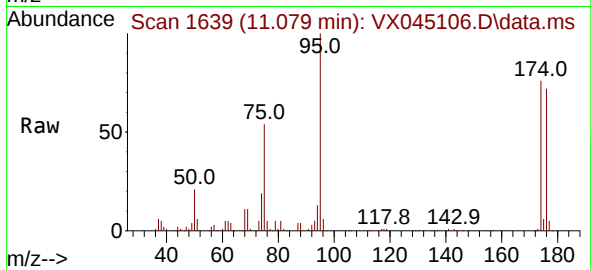
77 1.1 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.929 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045106.D
 Acq: 03 Mar 2025 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PB166928ZHE#01



Tgt Ion: 75 Resp: 37901
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

