

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044725.D
 Acq On : 27 Jan 2025 15:42
 Operator : JC/MD
 Sample : PB166212ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB166212ZHE#03

Quant Time: Jan 28 04:14:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

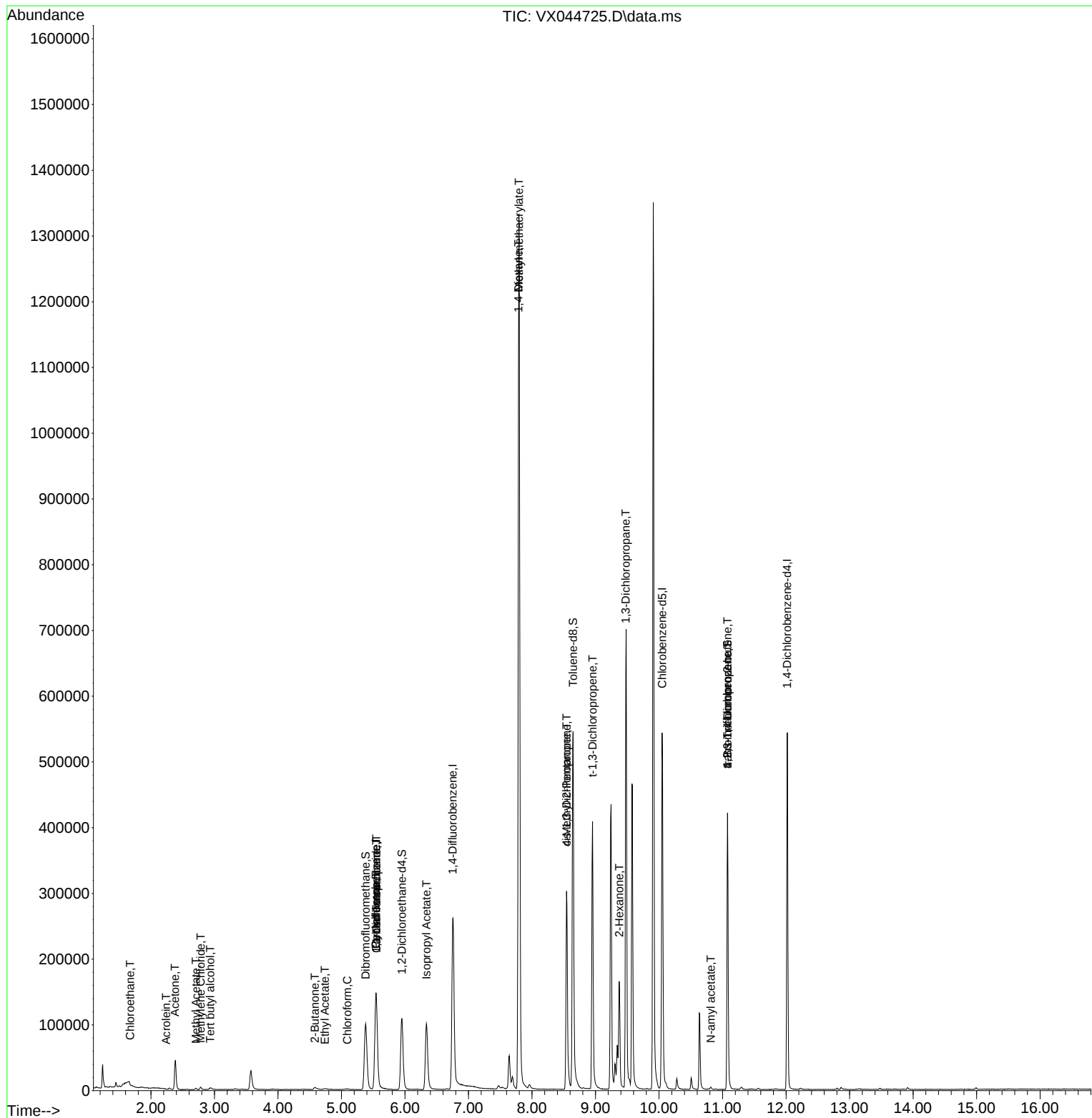
Internal Standards						
1) Pentafluorobenzene	5.544	168	144171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	284703	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	249994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	108791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104715	48.119	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.240%		
35) Dibromofluoromethane	5.379	113	91211	50.430	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.860%		
50) Toluene-d8	8.647	98	345617	54.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	109.600%		
62) 4-Bromofluorobenzene	11.079	95	122315	52.027	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.060%		
Target Compounds					Qvalue	
6) Chloroethane	1.672	64	695	1.828	ug/l #	65
11) Tert butyl alcohol	2.934	59	1949	4.017	ug/l #	89
13) Acrolein	2.239	56	275	1.205	ug/l	83
16) Acetone	2.380	43	50898	59.117	ug/l	91
18) Methyl Acetate	2.709	43	2434	0.916	ug/l	97
20) Methylene Chloride	2.782	84	1840	0.918	ug/l	97
25) 2-Butanone	4.580	43	6671	5.211	ug/l	96
30) Chloroform	5.093	83	1411	0.413	ug/l	92
31) Cyclohexane	5.544	56	3428	1.251	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12178	4.837	ug/l #	50
37) Ethyl Acetate	4.739	43	2789	1.040	ug/l #	87
38) Carbon Tetrachloride	5.550	117	14917	5.267	ug/l #	15
43) Isopropyl Acetate	6.336	43	146387	29.679	ug/l	99
48) Methyl methacrylate	7.793	41	113764	49.689	ug/l #	42
49) 1,4-Dioxane	7.787	88	243	5.087	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	114735	42.093	ug/l #	45
53) t-1,3-Dichloropropene	8.952	75	981	0.310	ug/l #	44
54) cis-1,3-Dichloropropene	8.543	75	54425	15.846	ug/l #	57
57) 1,3-Dichloropropane	9.476	76	6355	1.932	ug/l #	42
59) 2-Hexanone	9.372	43	135296	67.468	ug/l #	24
74) N-amyl acetate	10.817	43	1195	0.273	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	60058	22.748	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	60058	52.020	ug/l #	12

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

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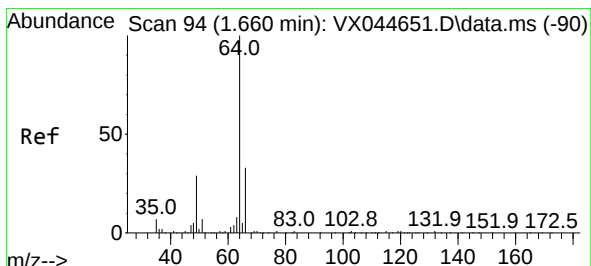
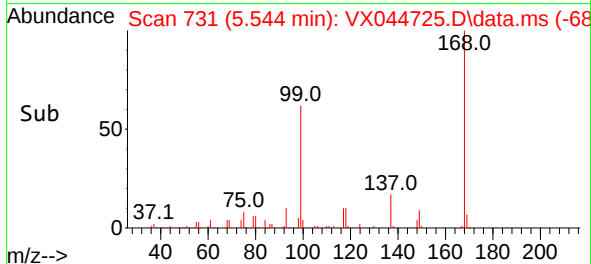
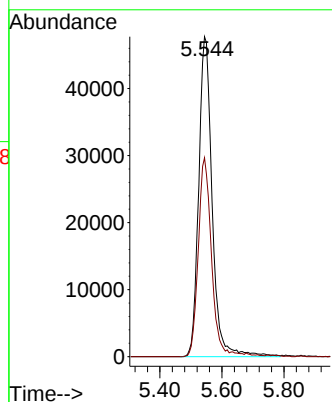
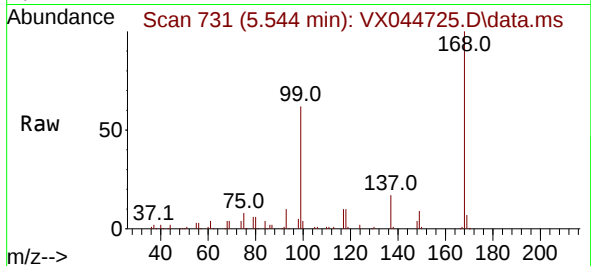




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

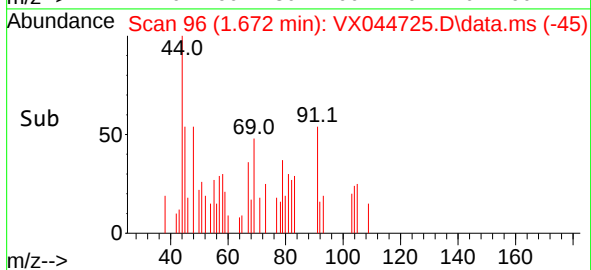
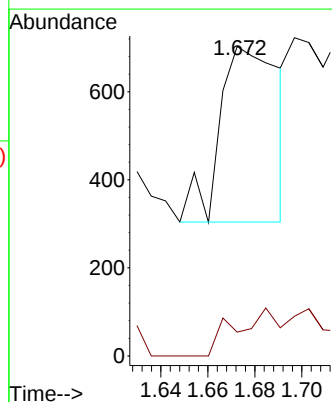
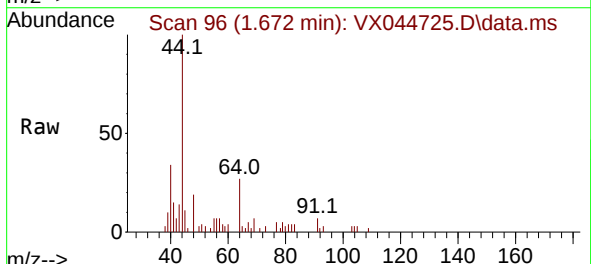
Instrument :
MSVOA_X
ClientSampleId :
PB166212ZHE#03

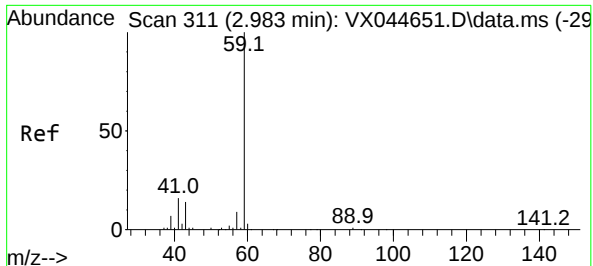
Tgt Ion:168 Resp: 144171
Ion Ratio Lower Upper
168 100
99 62.1 51.1 76.7



#6
Chloroethane
Concen: 1.828 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

Tgt Ion: 64 Resp: 695
Ion Ratio Lower Upper
64 100
66 13.5 26.6 39.8





#11

Tert butyl alcohol

Concen: 4.017 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.049 min

Lab File: VX044725.D

Acq: 27 Jan 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

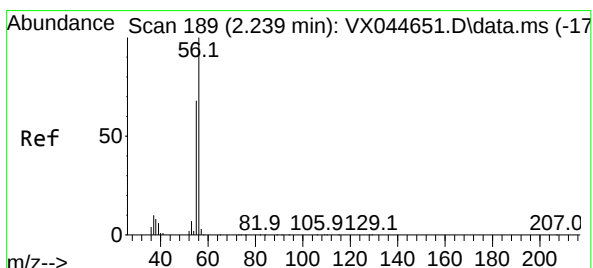
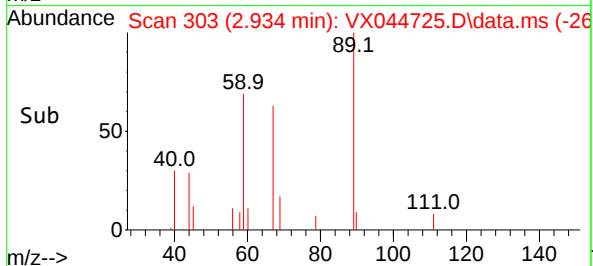
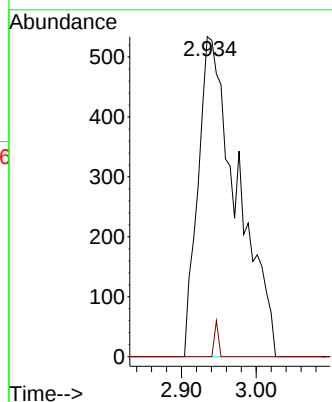
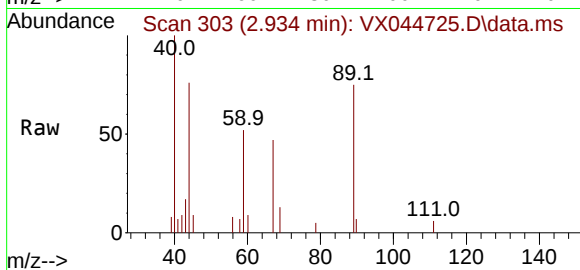
PB166212ZHE#03

Tgt Ion: 59 Resp: 1949

Ion Ratio Lower Upper

59 100

57 1.1 3.9 5.9#



#13

Acrolein

Concen: 1.205 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX044725.D

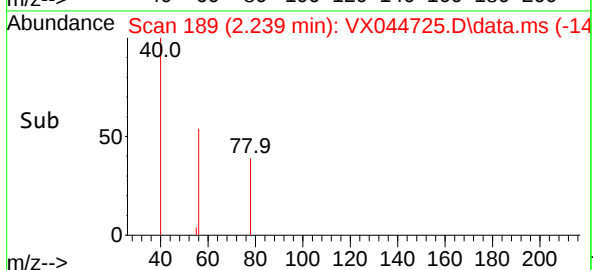
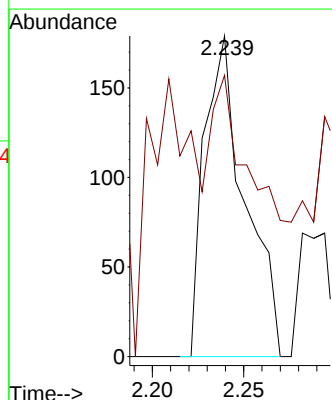
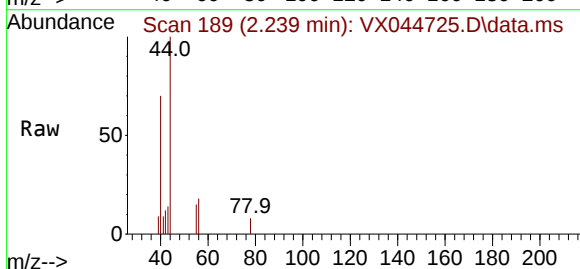
Acq: 27 Jan 2025 15:42

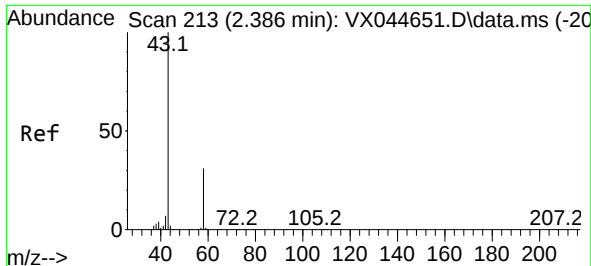
Tgt Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 82.5 55.1 82.7

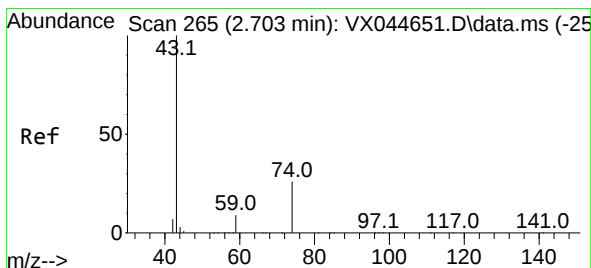
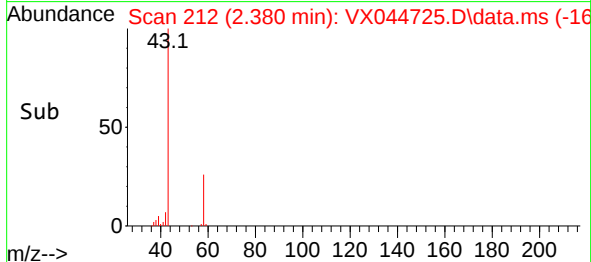
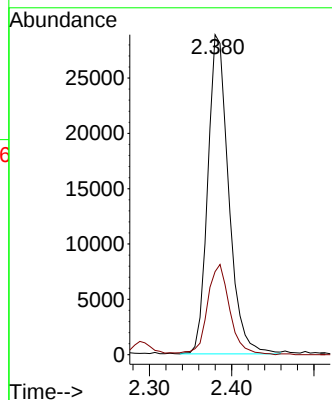
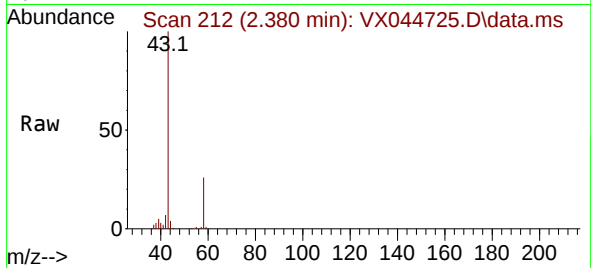




#16
Acetone
Concen: 59.117 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

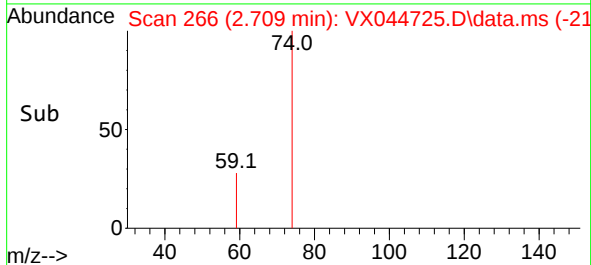
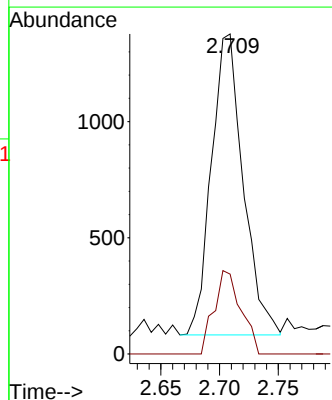
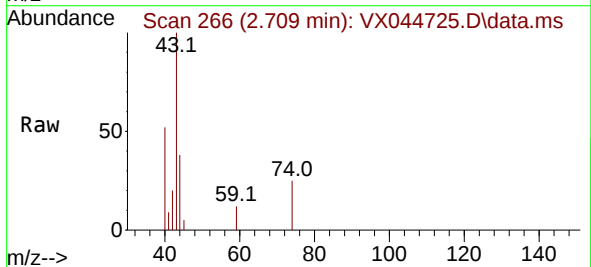
Instrument :
MSVOA_X
ClientSampleId :
PB166212ZHE#03

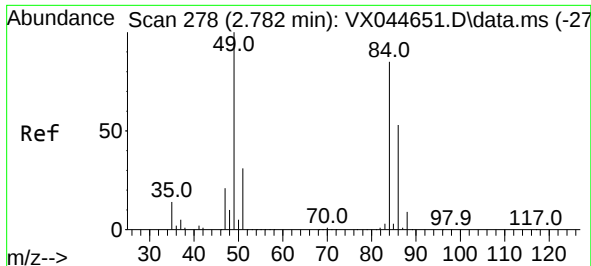
Tgt Ion: 43 Resp: 50898
Ion Ratio Lower Upper
43 100
58 25.8 24.6 37.0



#18
Methyl Acetate
Concen: 0.916 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

Tgt Ion: 43 Resp: 2434
Ion Ratio Lower Upper
43 100
74 23.3 19.8 29.8

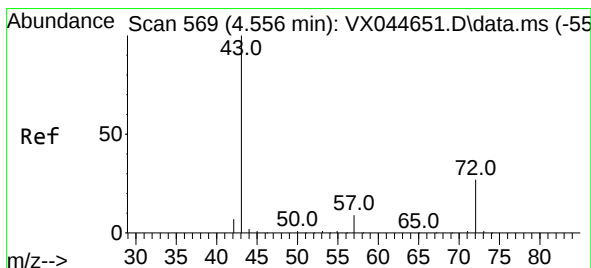
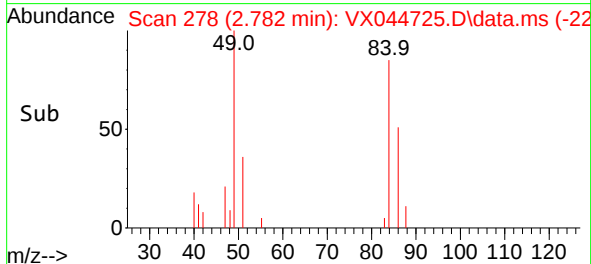
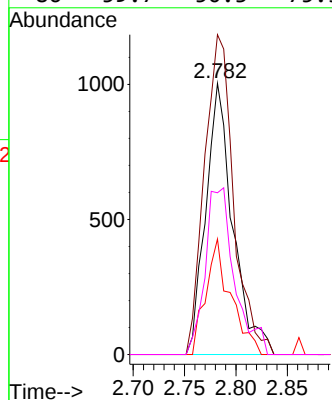
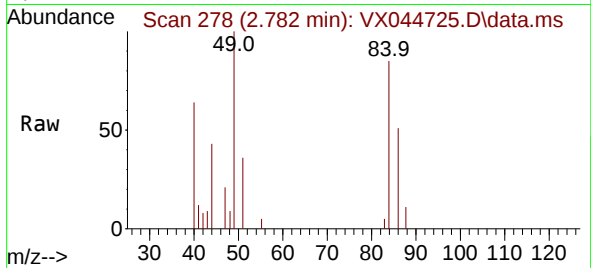




#20
Methylene Chloride
Concen: 0.918 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

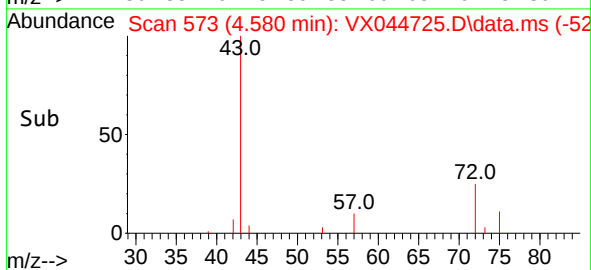
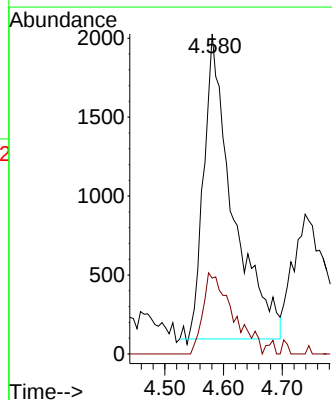
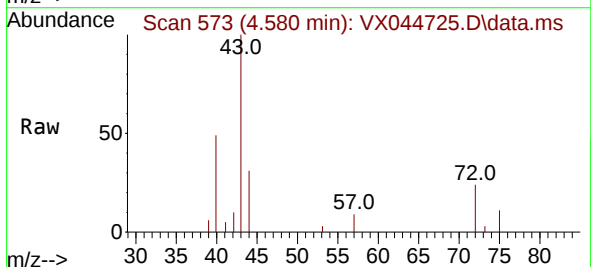
Instrument :
MSVOA_X
ClientSampleId :
PB166212ZHE#03

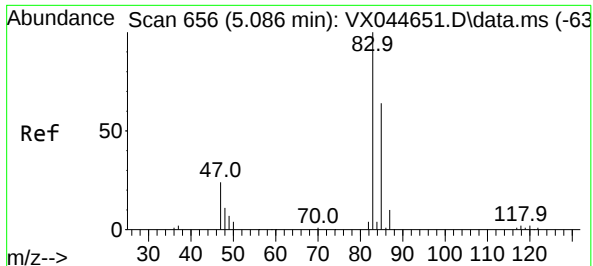
Tgt Ion:	84	Resp:	1840
Ion	Ratio	Lower	Upper
84	100		
49	117.9	94.2	141.4
51	42.6	28.8	43.2
86	59.7	50.3	75.5



#25
2-Butanone
Concen: 5.211 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.025 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

Tgt Ion:	43	Resp:	6671
Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.7	32.5





#30

Chloroform

Concen: 0.413 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX044725.D

Acq: 27 Jan 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

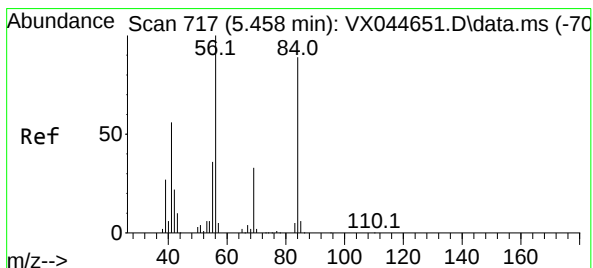
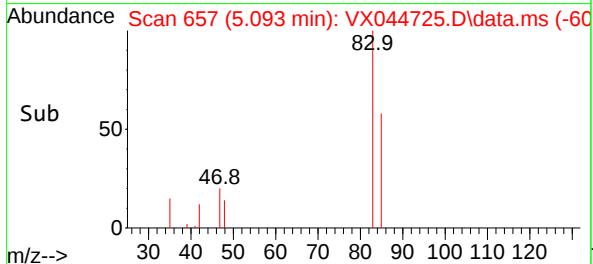
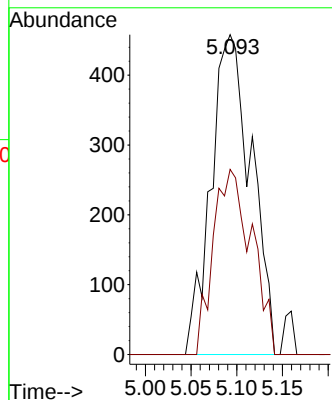
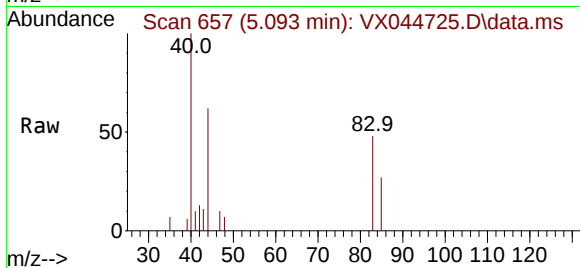
PB166212ZHE#03

Tgt Ion: 83 Resp: 1411

Ion Ratio Lower Upper

83 100

85 57.9 51.2 76.8



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX044725.D

Acq: 27 Jan 2025 15:42

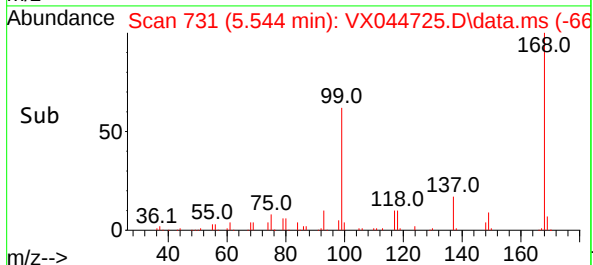
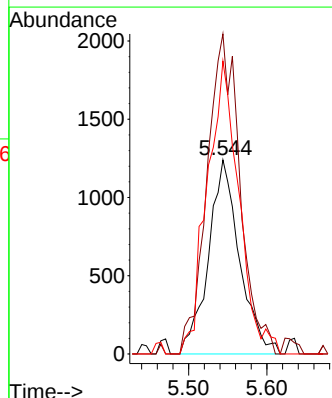
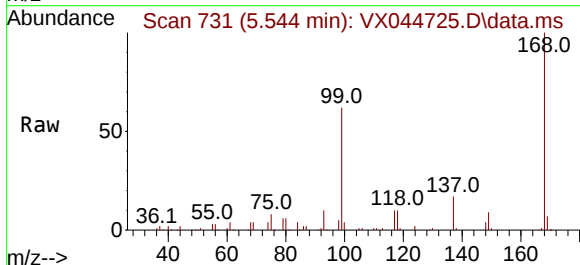
Tgt Ion: 56 Resp: 3428

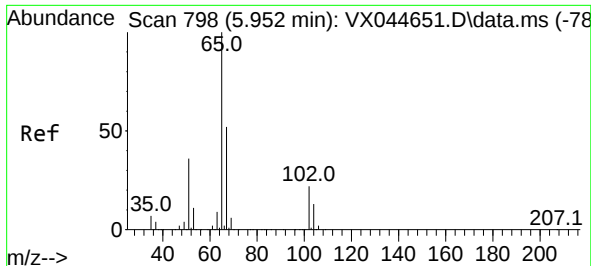
Ion Ratio Lower Upper

56 100

69 164.9 26.8 40.2#

84 159.4 71.0 106.4#

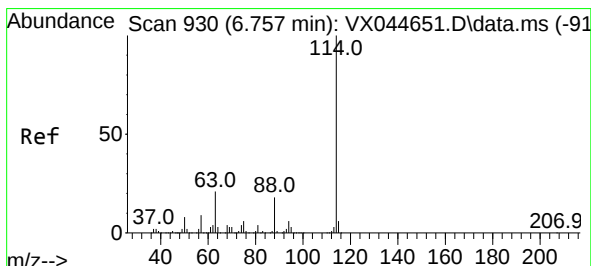
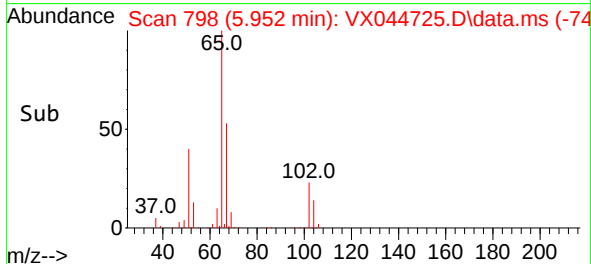
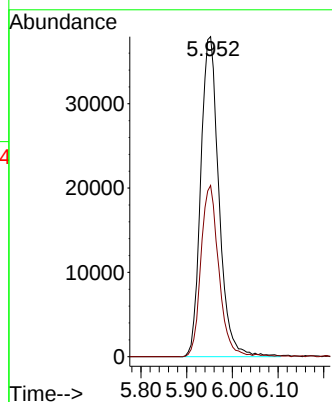
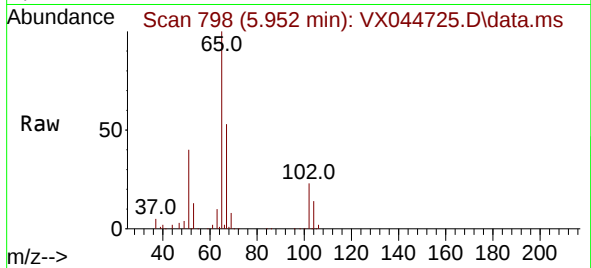




#33
 1,2-Dichloroethane-d4
 Concen: 48.119 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX044725.D
 Acq: 27 Jan 2025 15:42

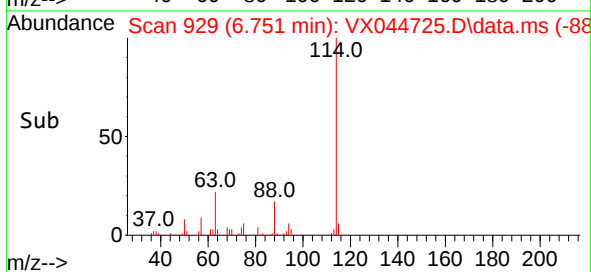
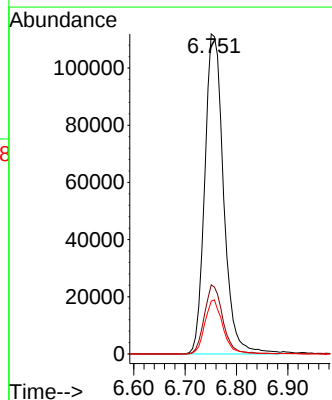
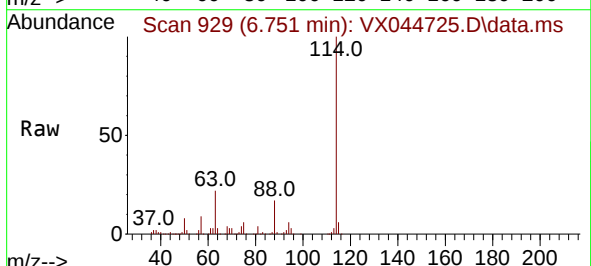
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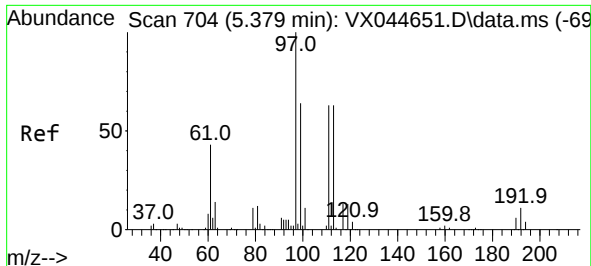
Tgt Ion: 65 Resp: 104715
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. -0.006 min
 Lab File: VX044725.D
 Acq: 27 Jan 2025 15:42

Tgt Ion: 114 Resp: 284703
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.0
 88 16.5 0.0 35.4

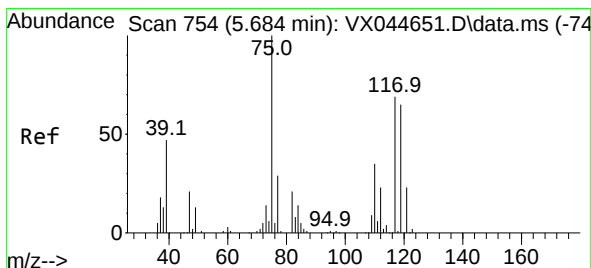
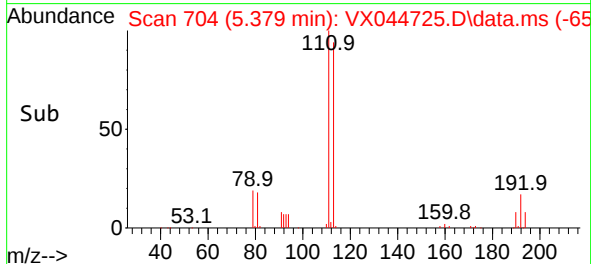
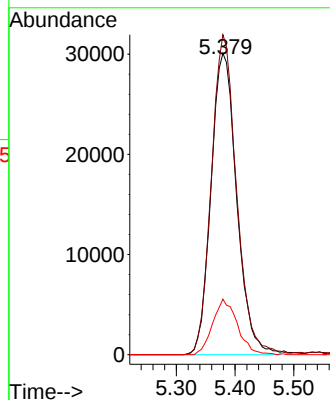
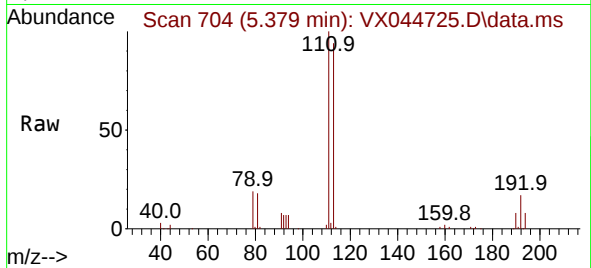




#35
Dibromofluoromethane
Concen: 50.430 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

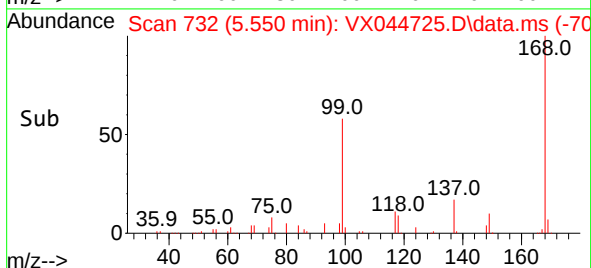
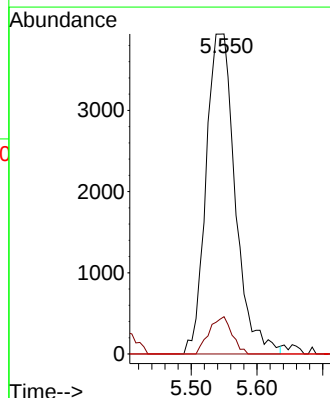
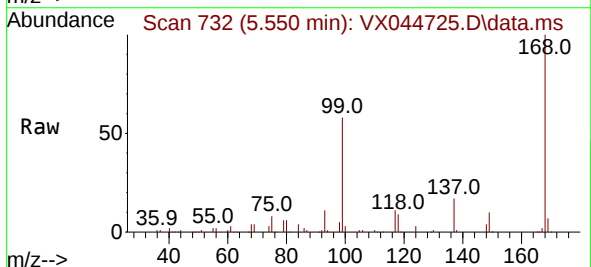
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MSVOA_X
ClientSampleId :
PB166212ZHE#03

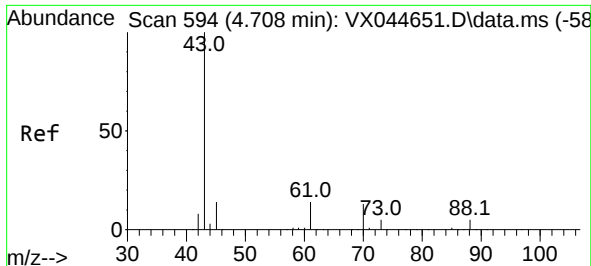
Tgt Ion:113 Resp: 91211
Ion Ratio Lower Upper
113 100
111 103.9 81.6 122.4
192 17.8 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.837 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

Tgt Ion: 75 Resp: 12178
Ion Ratio Lower Upper
75 100
110 9.1 17.9 53.8#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 1.040 ug/l

RT: 4.739 min Scan# 594

Delta R.T. 0.031 min

Lab File: VX044725.D

Acq: 27 Jan 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

PB166212ZHE#03

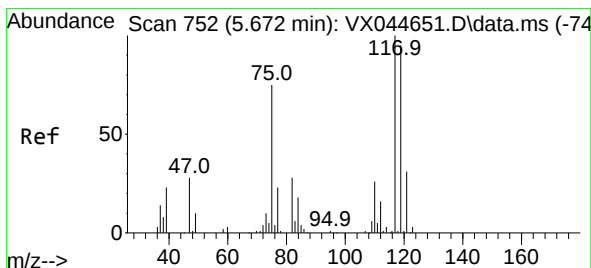
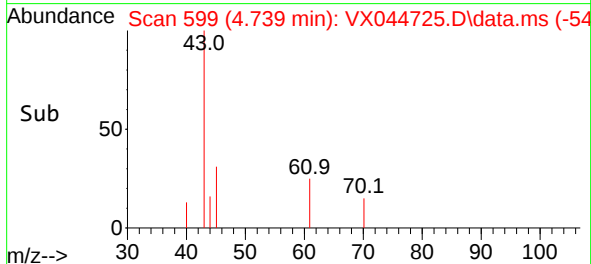
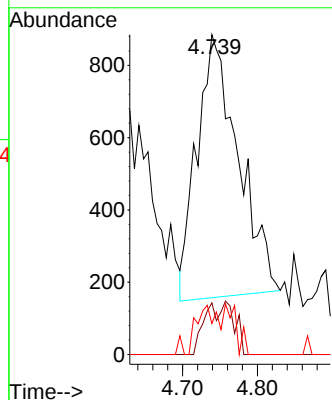
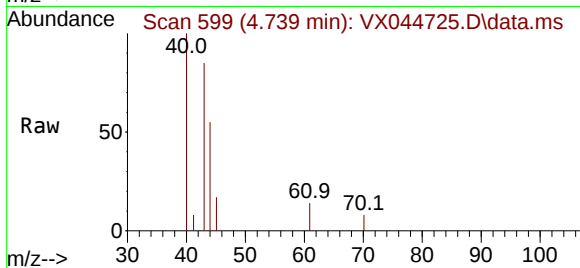
Tgt Ion: 43 Resp: 2789

Ion Ratio Lower Upper

43 100

61 6.6 10.9 16.3#

70 9.4 10.1 15.1#



#38

Carbon Tetrachloride

Concen: 5.267 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX044725.D

Acq: 27 Jan 2025 15:42

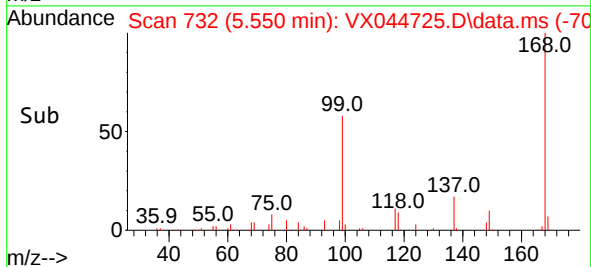
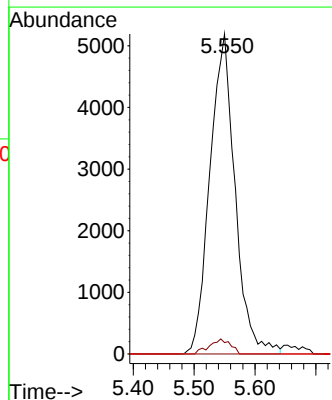
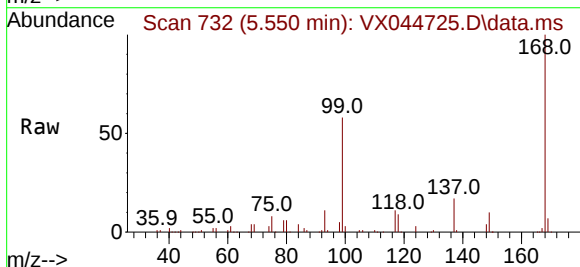
Tgt Ion: 117 Resp: 14917

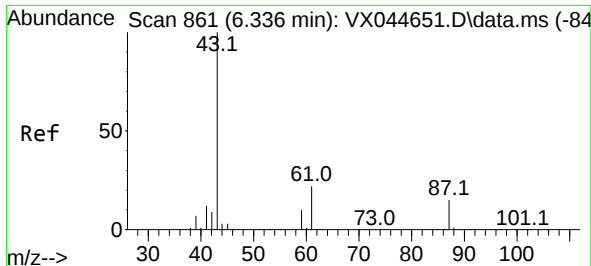
Ion Ratio Lower Upper

117 100

119 3.6 76.0 114.0#

121 0.0 24.6 36.8#

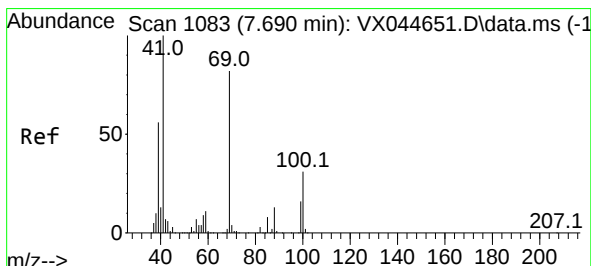
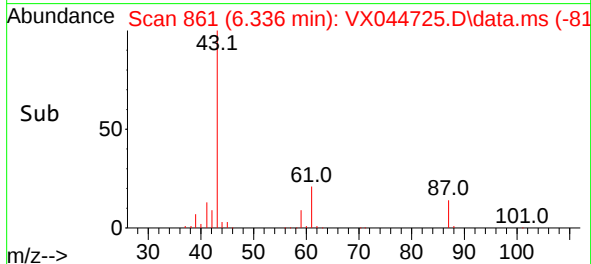
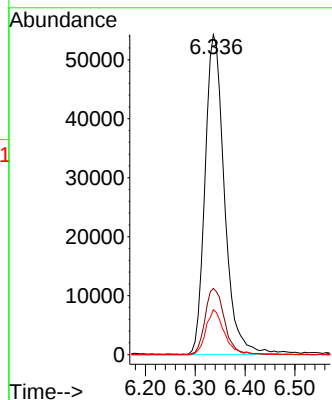
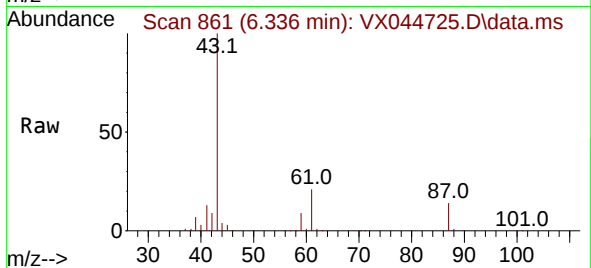




#43
Isopropyl Acetate
Concen: 29.679 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

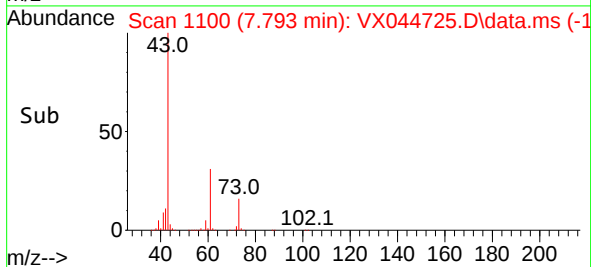
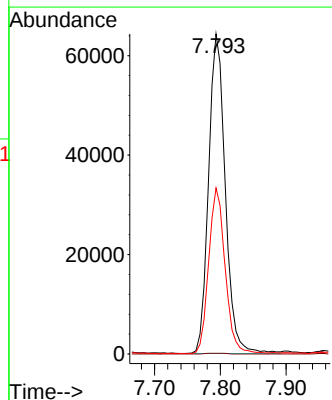
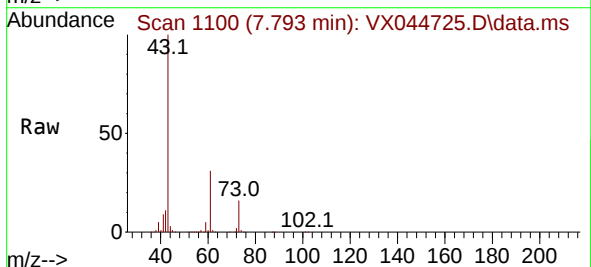
Instrument :
MSVOA_X
ClientSampleId :
PB166212ZHE#03

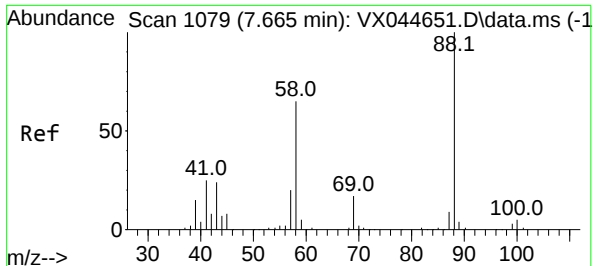
Tgt Ion: 43 Resp: 146387
Ion Ratio Lower Upper
43 100
61 20.9 16.6 24.8
87 13.4 11.0 16.6



#48
Methyl methacrylate
Concen: 49.689 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

Tgt Ion: 41 Resp: 113764
Ion Ratio Lower Upper
41 100
69 0.3 66.8 100.2#
39 51.0 47.4 71.0





#49

1,4-Dioxane

Concen: 5.087 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.122 min

Lab File: VX044725.D

Acq: 27 Jan 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

PB166212ZHE#03

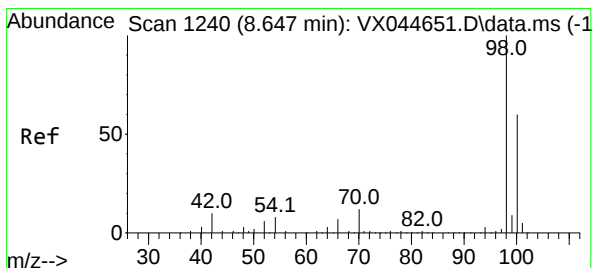
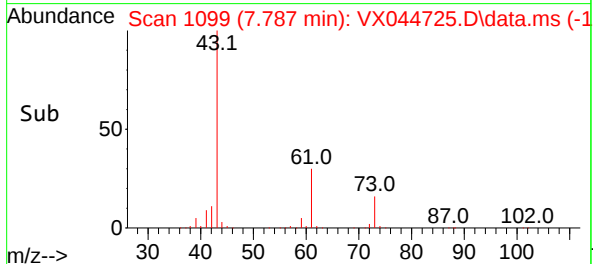
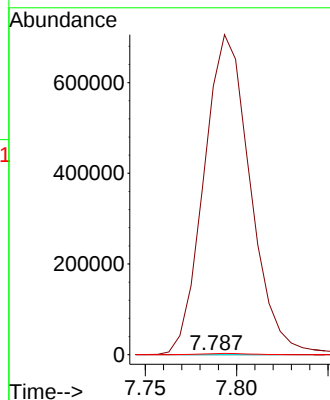
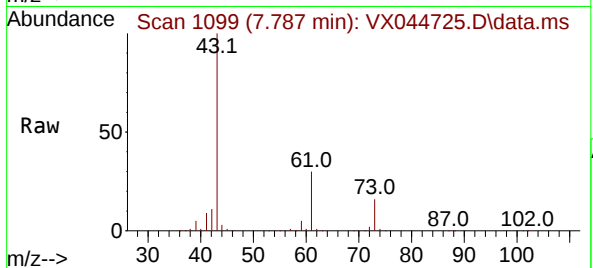
Tgt Ion: 88 Resp: 243

Ion Ratio Lower Upper

88 100

43 519917.3 27.0 40.4#

58 2000.8 55.8 83.8#



#50

Toluene-d8

Concen: 54.803 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044725.D

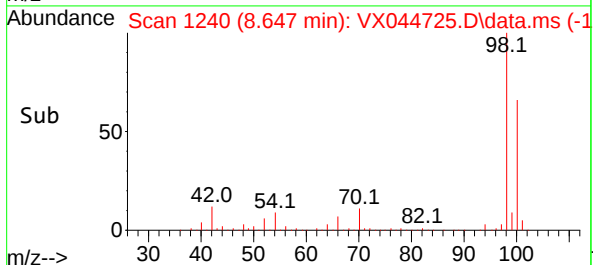
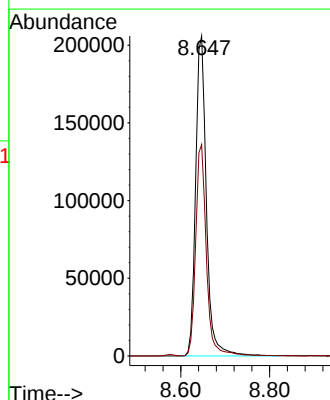
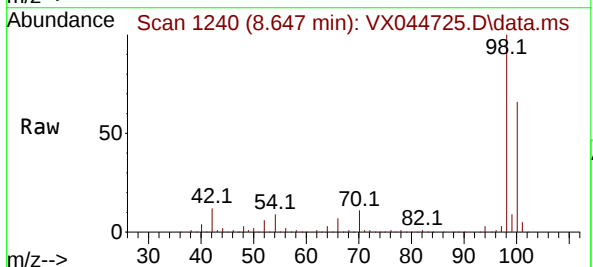
Acq: 27 Jan 2025 15:42

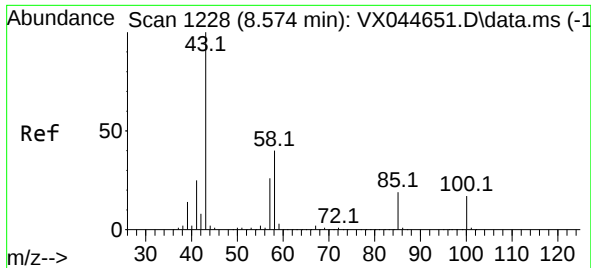
Tgt Ion: 98 Resp: 345617

Ion Ratio Lower Upper

98 100

100 65.7 53.2 79.8

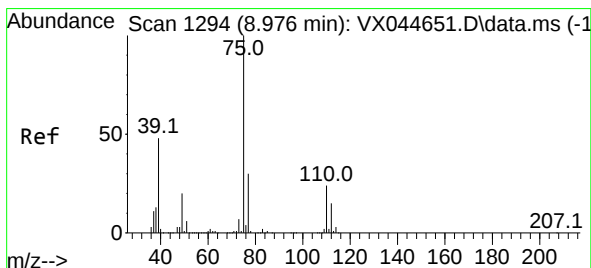
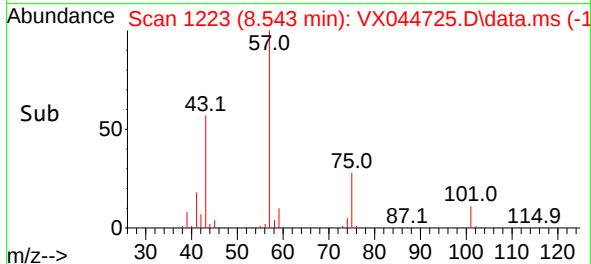
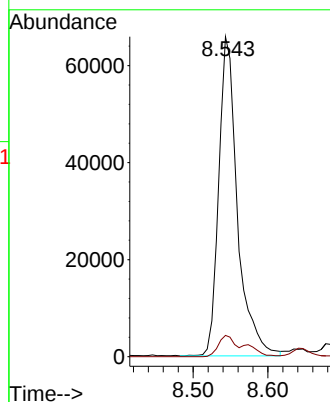
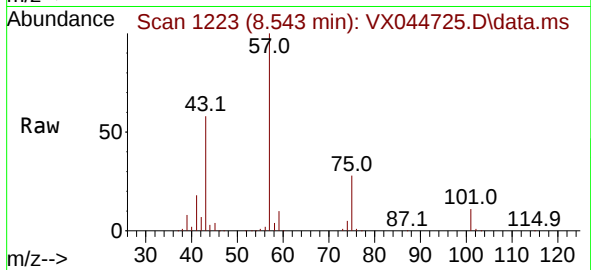




#51
4-Methyl-2-Pentanone
Concen: 42.093 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

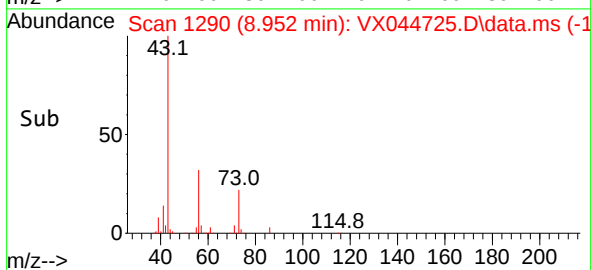
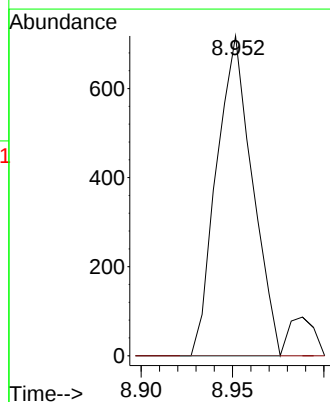
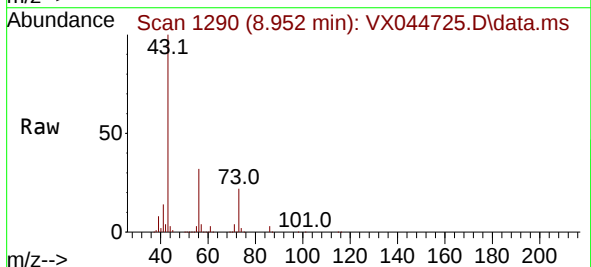
Instrument :
MSVOA_X
ClientSampleId :
PB166212ZHE#03

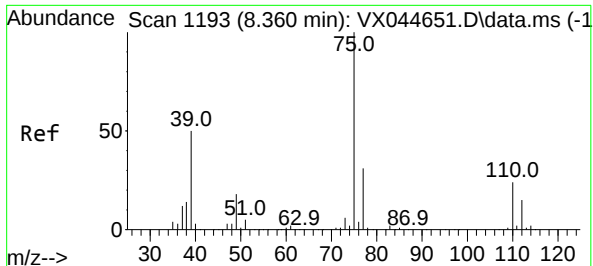
Tgt Ion: 43 Resp: 114735
Ion Ratio Lower Upper
43 100
58 5.9 31.9 47.9#



#53
t-1,3-Dichloropropene
Concen: 0.310 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

Tgt Ion: 75 Resp: 981
Ion Ratio Lower Upper
75 100
77 0.0 24.4 36.6#

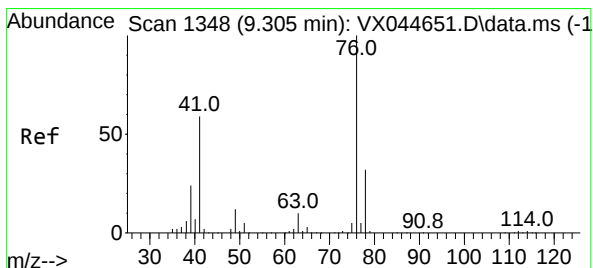
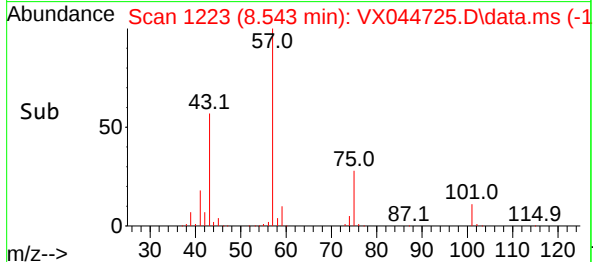
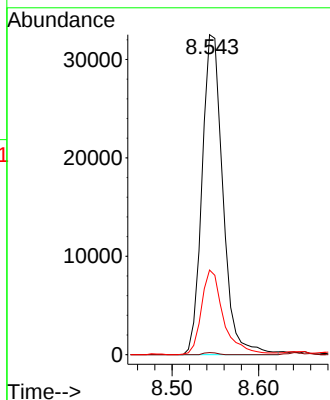
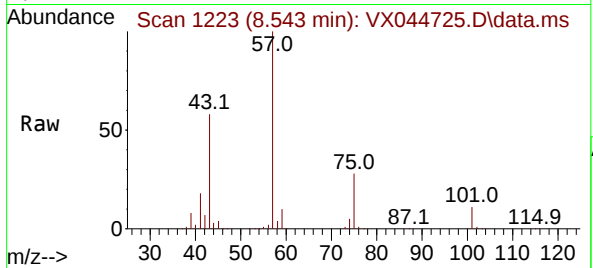




#54
 cis-1,3-Dichloropropene
 Concen: 15.846 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX044725.D
 Acq: 27 Jan 2025 15:42

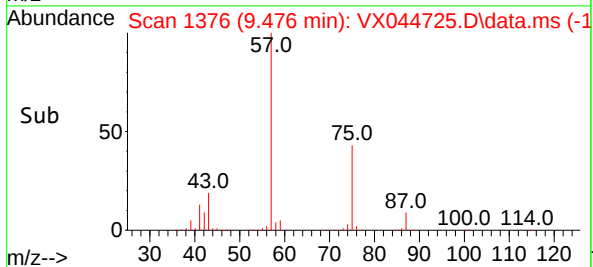
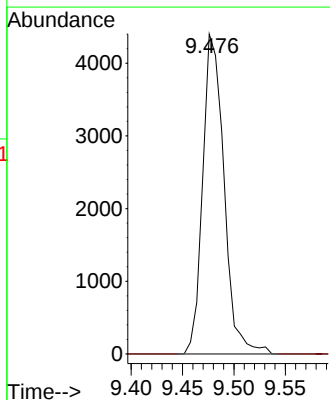
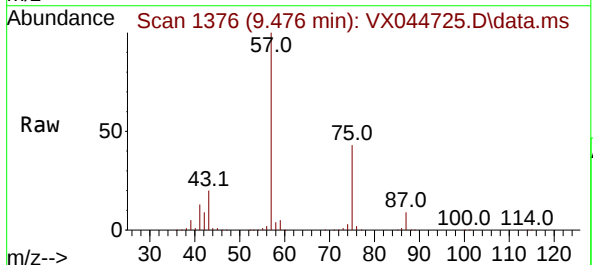
Instrument :
 MSVOA_X
 ClientSampleId :
 PB166212ZHE#03

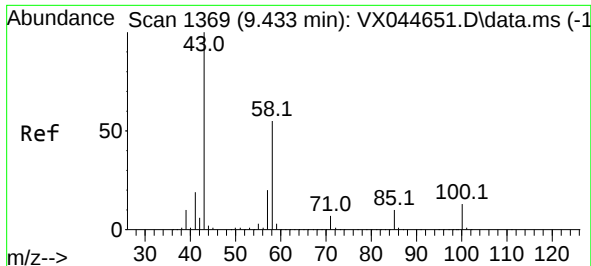
Tgt Ion: 75 Resp: 54425
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.1 37.7#
 39 26.5 40.3 60.5#



#57
 1,3-Dichloropropane
 Concen: 1.932 ug/l
 RT: 9.476 min Scan# 1376
 Delta R.T. 0.171 min
 Lab File: VX044725.D
 Acq: 27 Jan 2025 15:42

Tgt Ion: 76 Resp: 6355
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

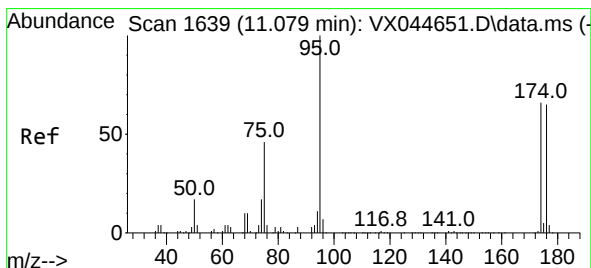
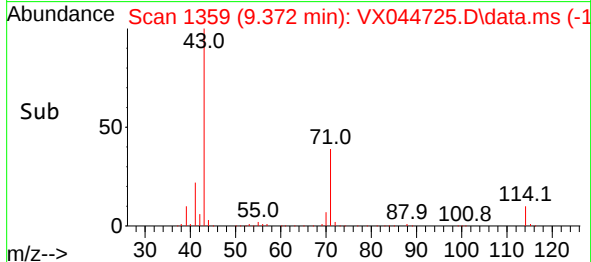
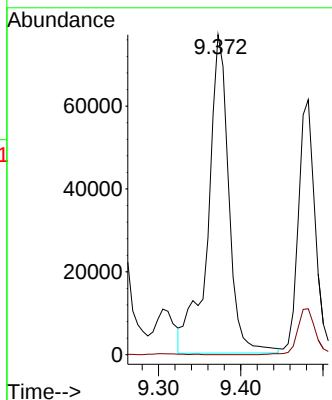
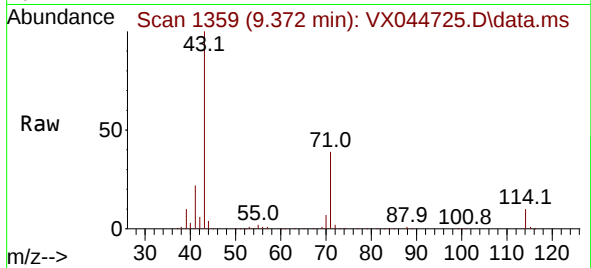




#59
2-Hexanone
Concen: 67.468 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

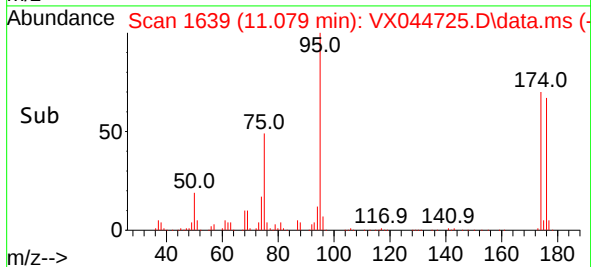
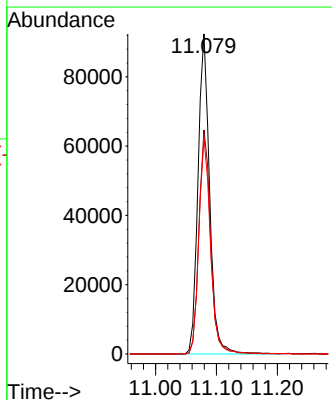
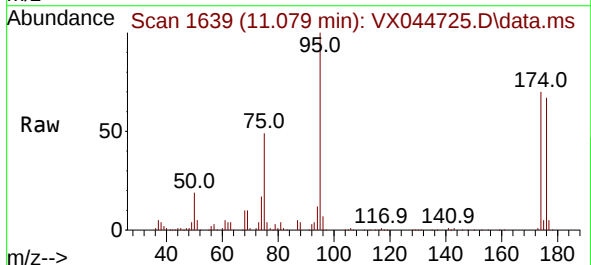
Instrument :
MSVOA_X
ClientSampleId :
PB166212ZHE#03

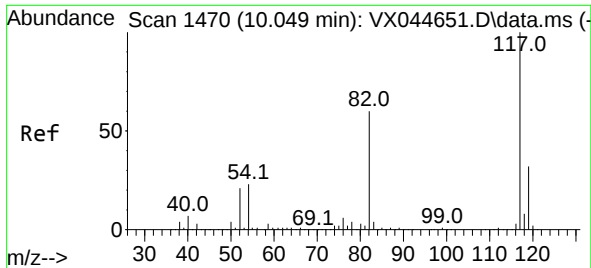
Tgt Ion: 43 Resp: 135296
Ion Ratio Lower Upper
43 100
58 0.0 27.8 83.3#



#62
4-Bromofluorobenzene
Concen: 52.027 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

Tgt Ion: 95 Resp: 122315
Ion Ratio Lower Upper
95 100
174 70.3 0.0 133.0
176 67.9 0.0 129.4

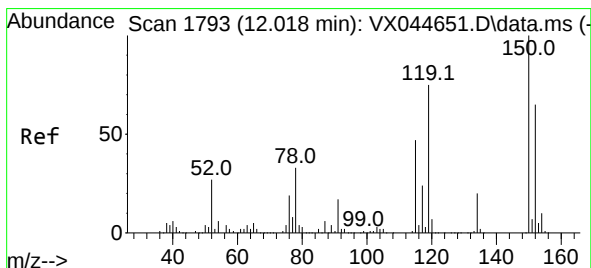
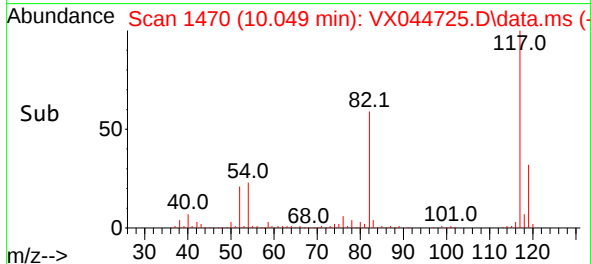
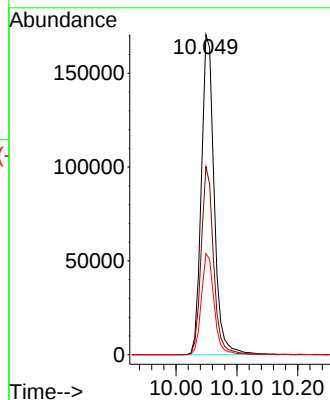
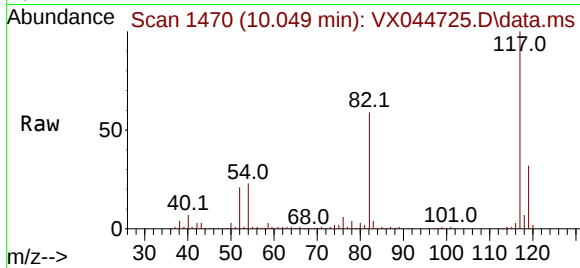




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

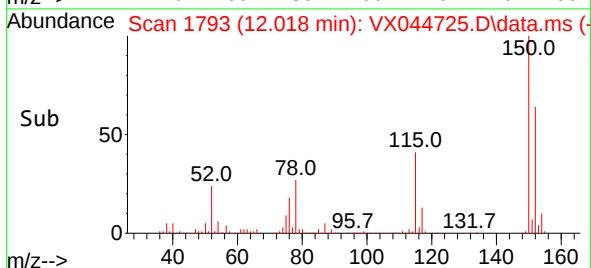
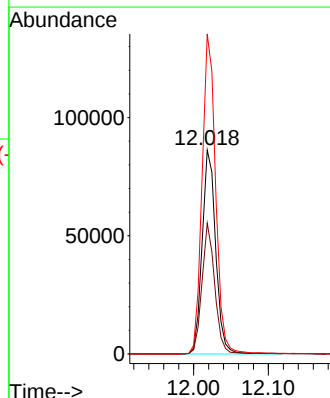
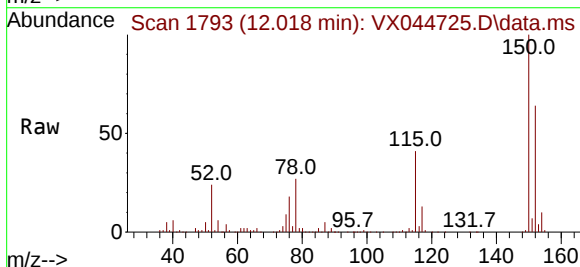
Instrument :
MSVOA_X
ClientSampleId :
PB166212ZHE#03

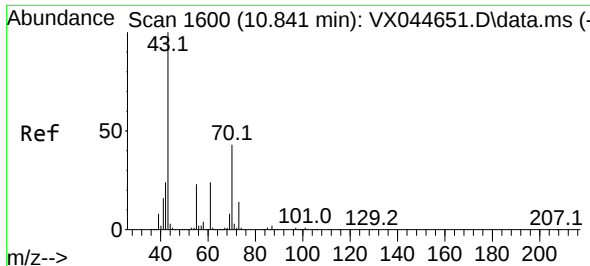
Tgt Ion:117 Resp: 249994
Ion Ratio Lower Upper
117 100
82 58.7 47.6 71.4
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

Tgt Ion:152 Resp: 108791
Ion Ratio Lower Upper
152 100
115 60.4 43.8 131.4
150 157.0 0.0 347.8

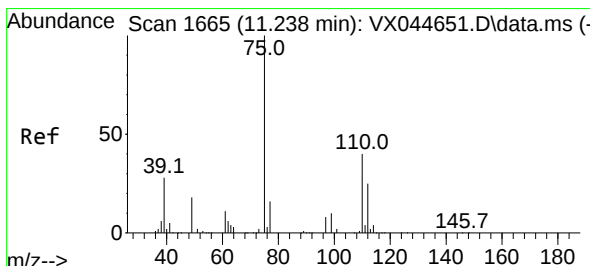
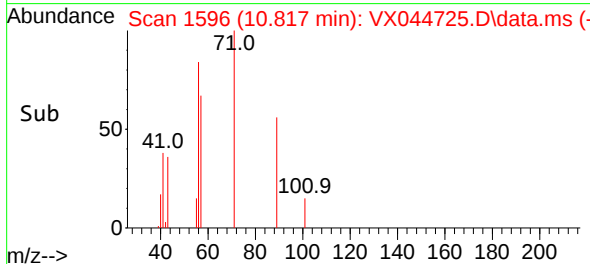
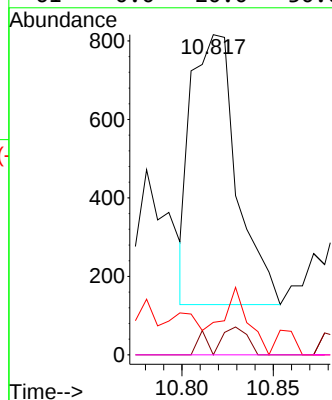
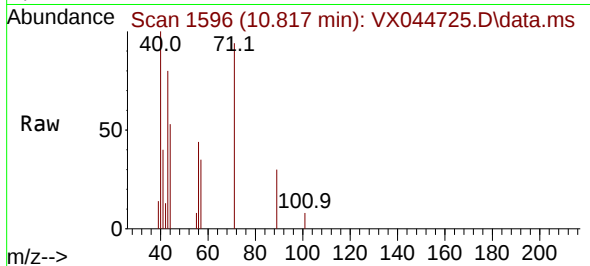




#74
N-amy1 acetate
Concen: 0.273 ug/l
RT: 10.817 min Scan# 1195
Delta R.T. -0.024 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

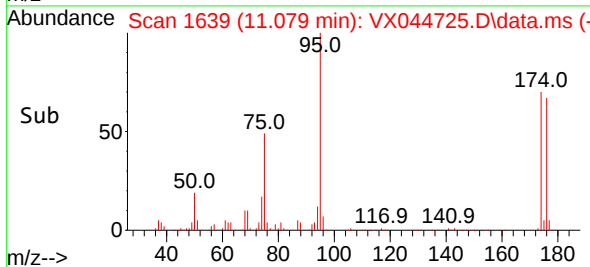
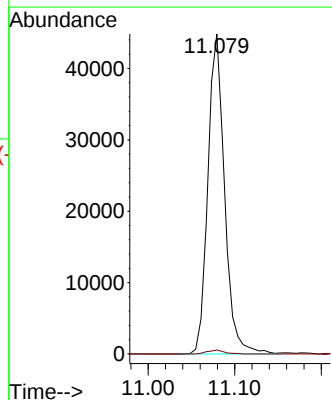
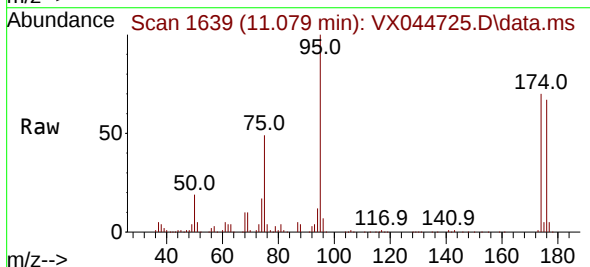
Instrument :
MSVOA_X
ClientSampleId :
PB166212ZHE#03

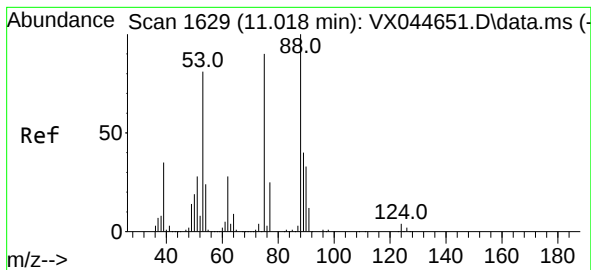
Tgt Ion: 43	Resp: 1195
Ion Ratio	Lower Upper
43 100	
70 7.4	35.2 52.8#
55 14.8	19.0 28.4#
61 0.0	20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 22.748 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044725.D
Acq: 27 Jan 2025 15:42

Tgt Ion: 75	Resp: 60058
Ion Ratio	Lower Upper
75 100	
77 1.2	23.4 70.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.020 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044725.D
 Acq: 27 Jan 2025 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 PB166212ZHE#03

Tgt Ion: 75 Resp: 60058
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.3 111.5#
 89 0.0 37.4 56.0#

