

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
 Data File : VX044939.D
 Acq On : 12 Feb 2025 17:30
 Operator : JC/MD
 Sample : PB166691TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB166691TB

Quant Time: Feb 13 00:52:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

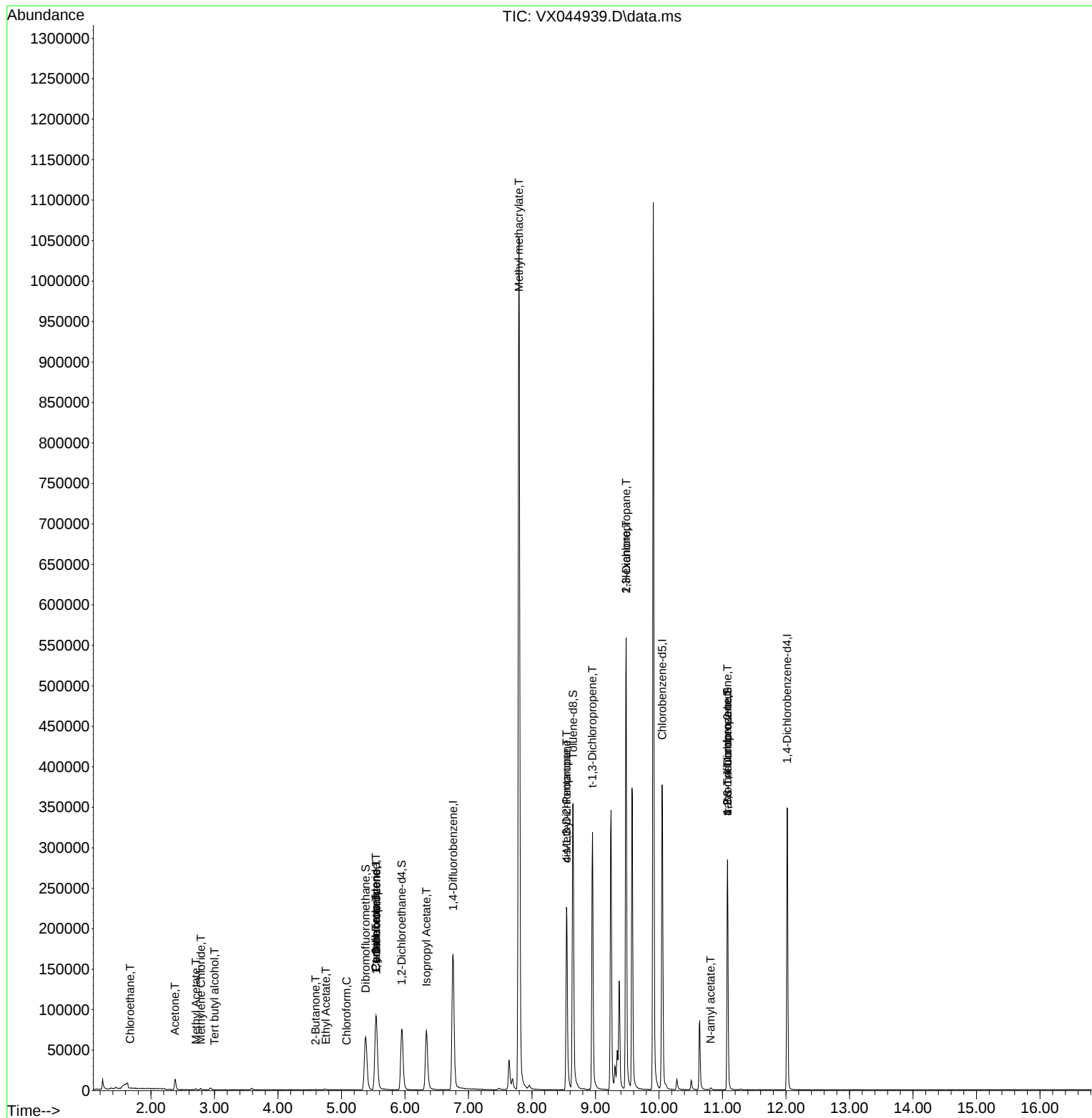
Internal Standards						
1) Pentafluorobenzene	5.544	168	87671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	182251	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	165182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	71535	55.741	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.480%	
35) Dibromofluoromethane	5.379	113	60041	50.670	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.340%	
50) Toluene-d8	8.647	98	221614	49.459	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.920%	
62) 4-Bromofluorobenzene	11.079	95	76306	50.516	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.040%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.673	64	81	1.457	ug/l #	42
11) Tert butyl alcohol	3.002	59	48	0.202	ug/l #	73
16) Acetone	2.380	43	14181	27.487	ug/l	97
18) Methyl Acetate	2.709	43	1769	1.087	ug/l #	81
20) Methylene Chloride	2.788	84	737	0.583	ug/l #	94
25) 2-Butanone	4.593	43	366	0.437	ug/l #	48
30) Chloroform	5.080	83	460	0.219	ug/l #	69
31) Cyclohexane	5.544	56	2341	1.175	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	7600	4.446	ug/l #	47
37) Ethyl Acetate	4.751	43	1305	0.686	ug/l #	71
38) Carbon Tetrachloride	5.544	117	9181	5.480	ug/l #	15
43) Isopropyl Acetate	6.336	43	105213	34.264	ug/l	98
48) Methyl methacrylate	7.793	41	92315	63.761	ug/l #	44
51) 4-Methyl-2-Pentanone	8.543	43	84661	45.352	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	620	0.344	ug/l #	42
54) cis-1,3-Dichloropropene	8.543	75	36942	18.360	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	4770	2.231	ug/l #	42
59) 2-Hexanone	9.482	43	69345	51.557	ug/l #	51
74) N-amyl acetate	10.811	43	929	0.369	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	40760	26.639	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	40760	68.525	ug/l #	11

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

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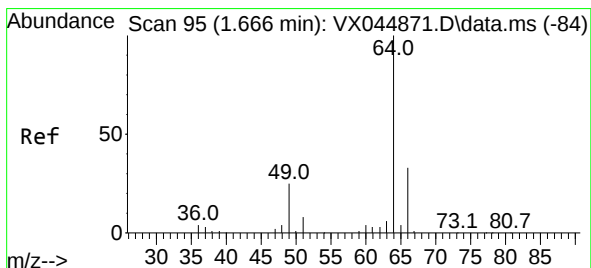
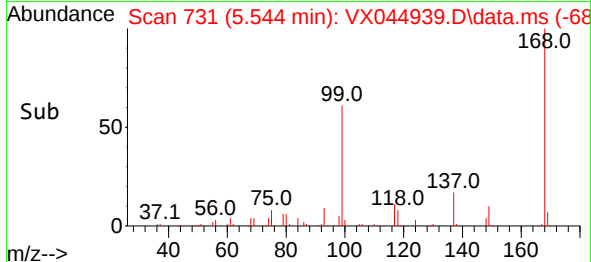
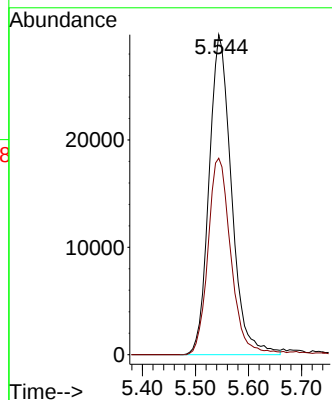
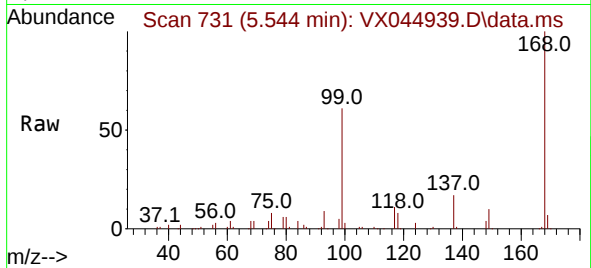




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

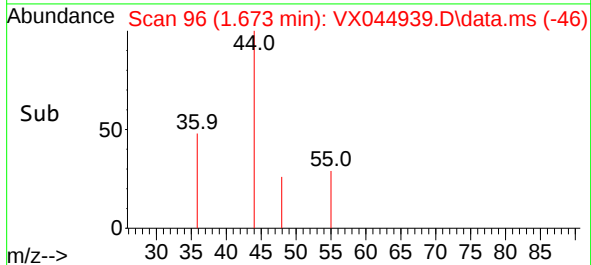
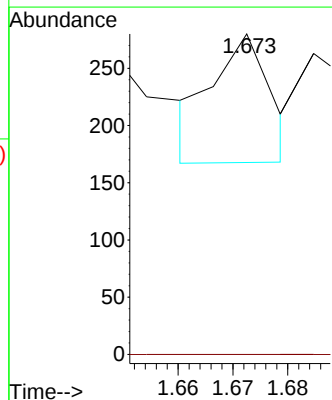
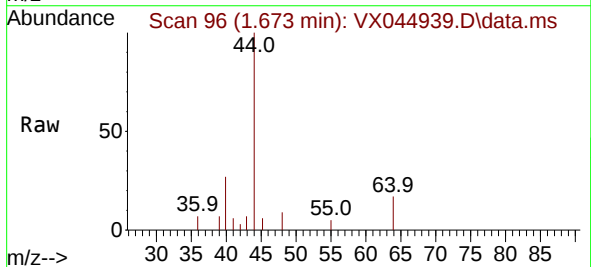
Instrument :
MSVOA_X
ClientSampleId :
PB166691TB

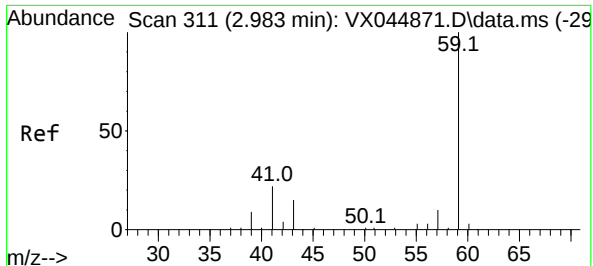
Tgt Ion:168 Resp: 87671
Ion Ratio Lower Upper
168 100
99 61.4 51.2 76.8



#6
Chloroethane
Concen: 1.457 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.007 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Tgt Ion: 64 Resp: 81
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9





#11

Tert butyl alcohol

Concen: 0.202 ug/l

RT: 3.002 min Scan# 311

Delta R.T. 0.019 min

Lab File: VX044939.D

Acq: 12 Feb 2025 17:30

Instrument :

MSVOA_X

ClientSampleId :

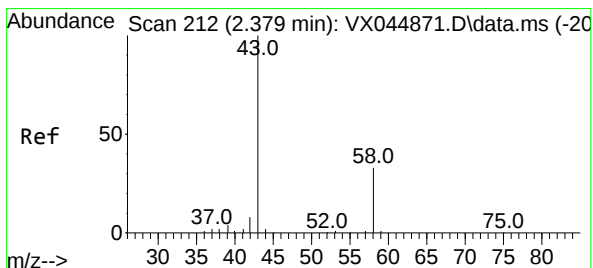
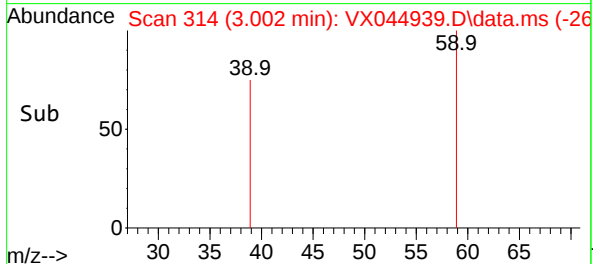
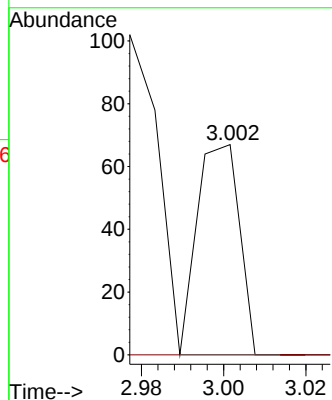
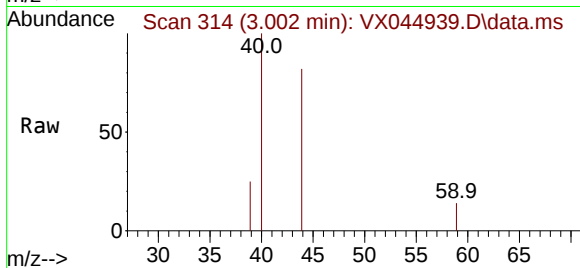
PB166691TB

Tgt Ion: 59 Resp: 48

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 27.487 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044939.D

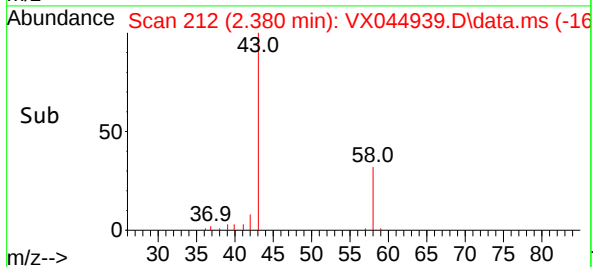
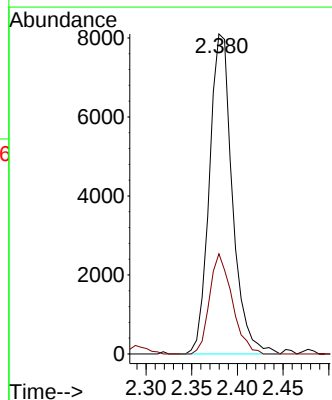
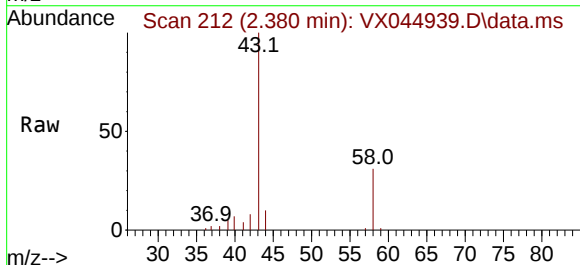
Acq: 12 Feb 2025 17:30

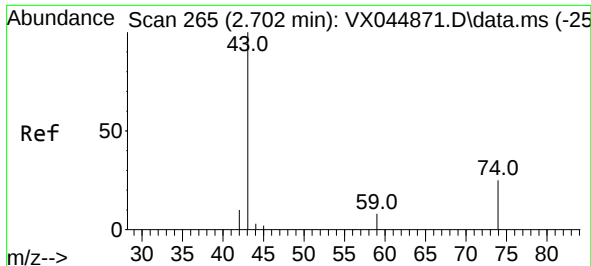
Tgt Ion: 43 Resp: 14181

Ion Ratio Lower Upper

43 100

58 31.3 26.5 39.7

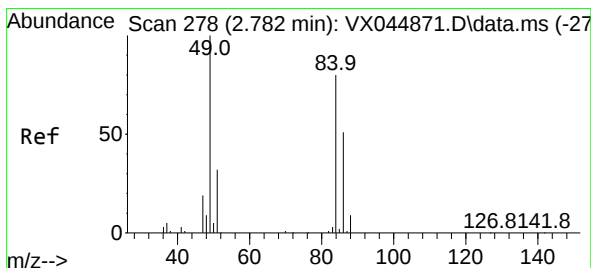
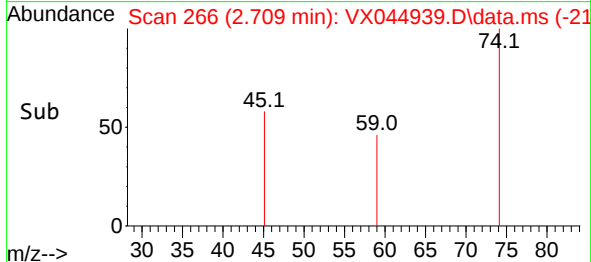
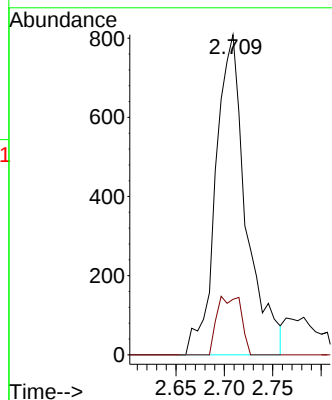
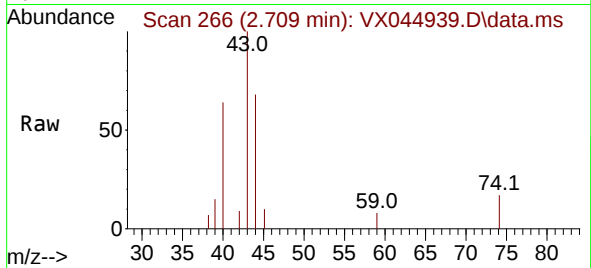




#18
Methyl Acetate
Concen: 1.087 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

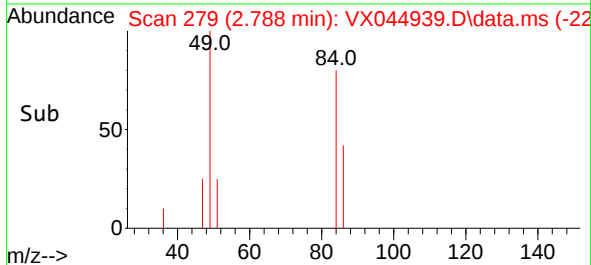
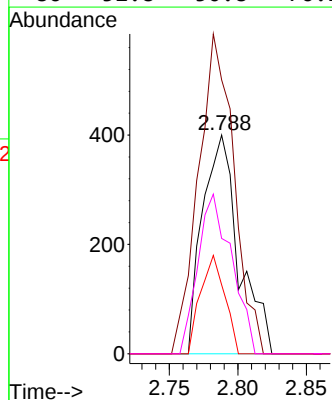
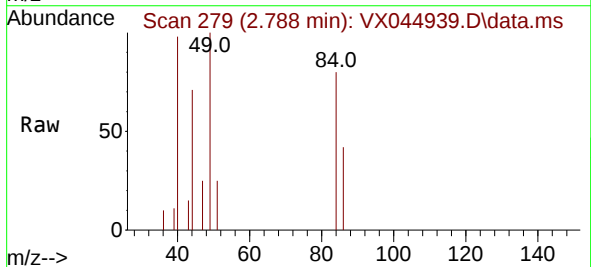
Instrument :
MSVOA_X
ClientSampleId :
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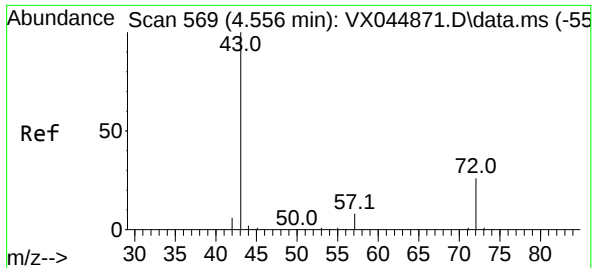
Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
74 14.5 18.9 28.3#



#20
Methylene Chloride
Concen: 0.583 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.007 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Tgt Ion: 84 Resp: 737
Ion Ratio Lower Upper
84 100
49 125.3 100.1 150.1
51 31.5 31.7 47.5#
86 52.8 50.8 76.2

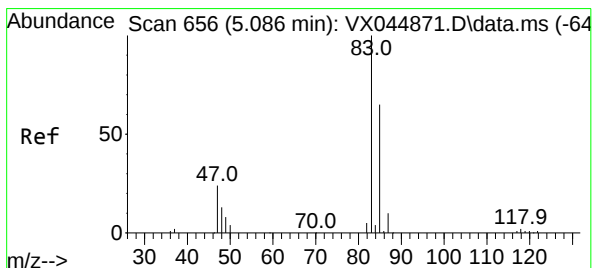
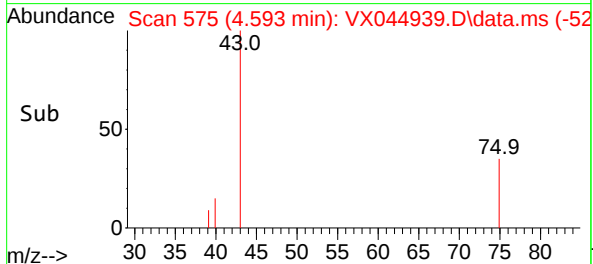
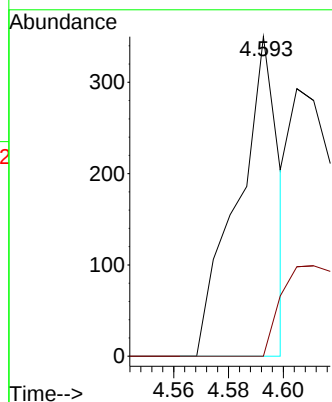
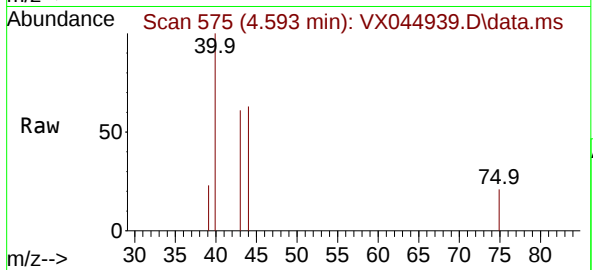




#25
2-Butanone
Concen: 0.437 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

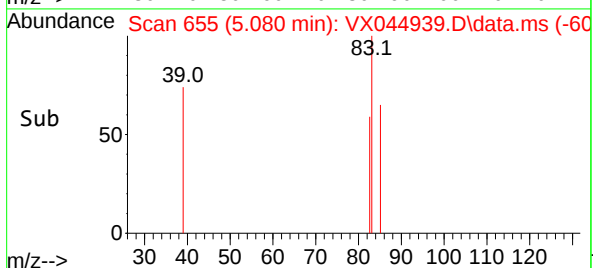
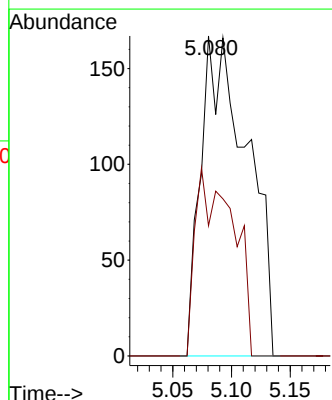
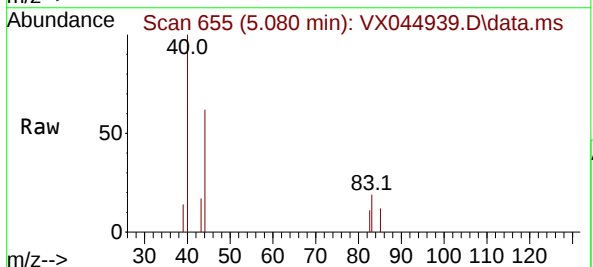
Instrument :
MSVOA_X
ClientSampleId :
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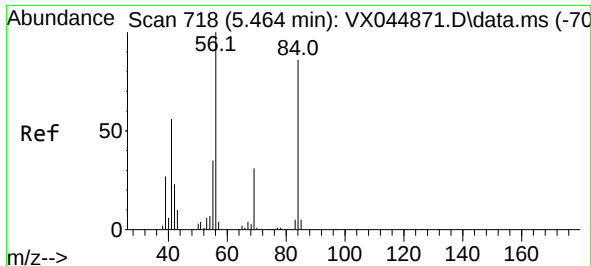
Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#30
Chloroform
Concen: 0.219 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Tgt Ion: 83 Resp: 460
Ion Ratio Lower Upper
83 100
85 40.7 52.1 78.1#

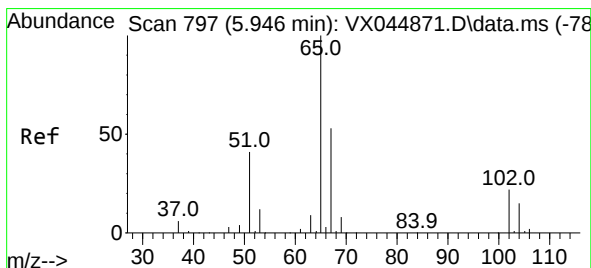
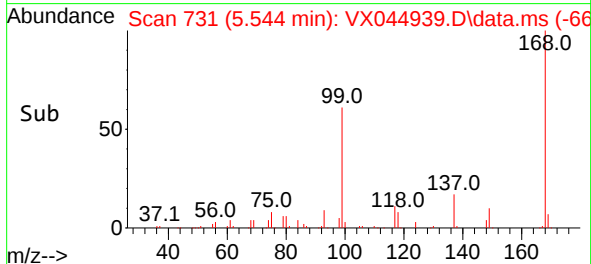
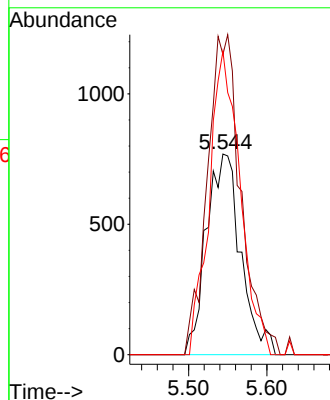
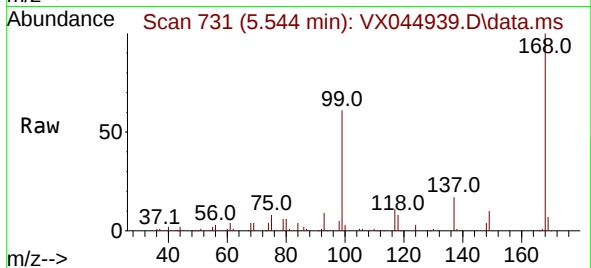




#31
Cyclohexane
Concen: 1.175 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.080 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

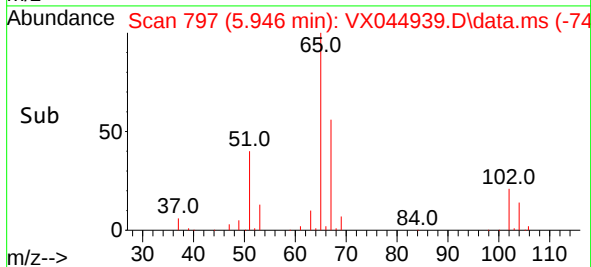
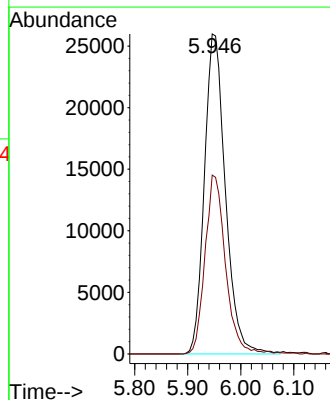
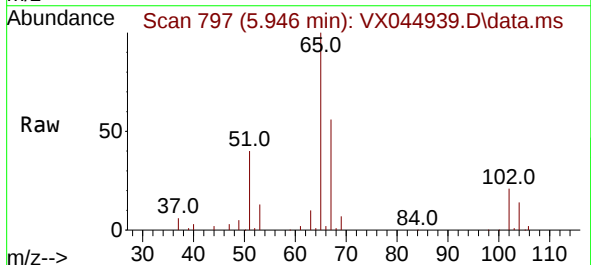
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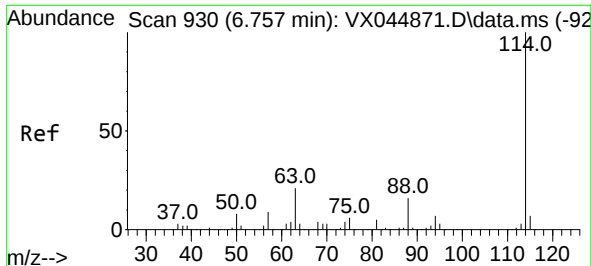
Tgt Ion: 56 Resp: 2341
Ion Ratio Lower Upper
56 100
69 149.7 24.4 36.6#
84 151.2 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 55.741 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Tgt Ion: 65 Resp: 71535
Ion Ratio Lower Upper
65 100
67 54.7 0.0 108.2

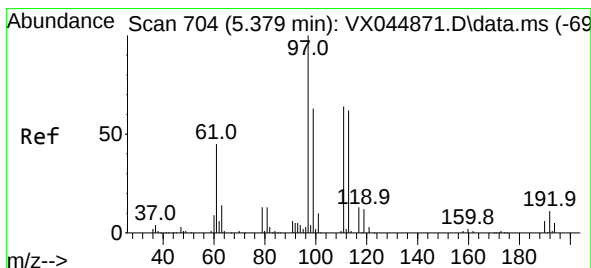
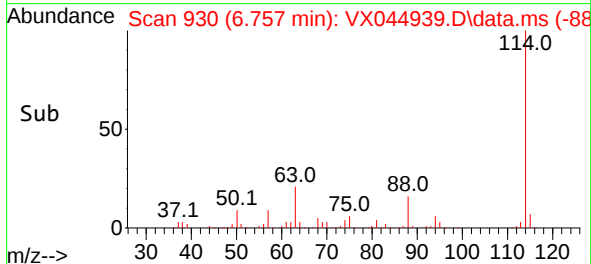
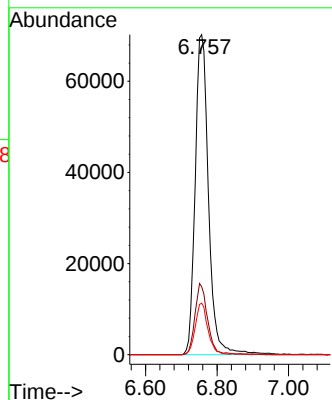
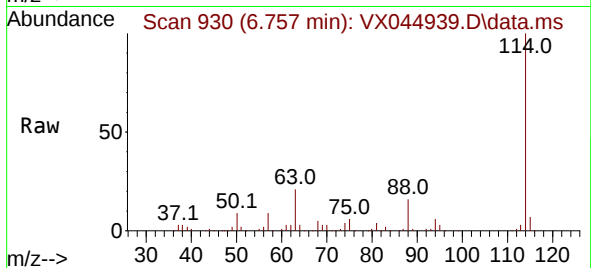




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

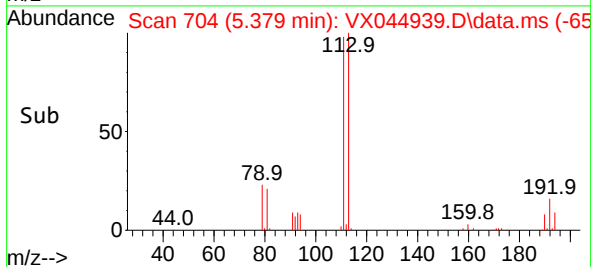
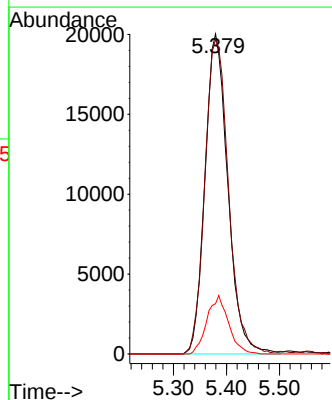
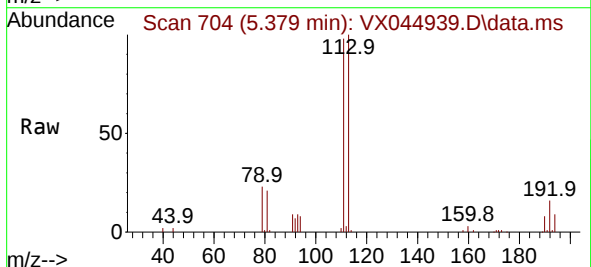
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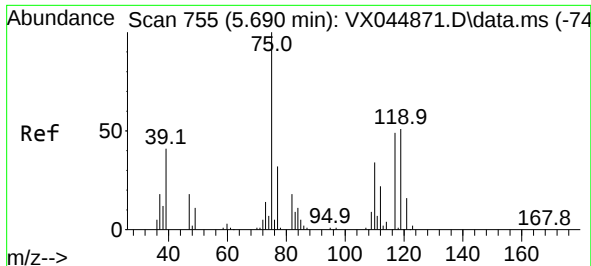
Tgt Ion:114 Resp: 182251
Ion Ratio Lower Upper
114 100
63 21.3 0.0 42.4
88 16.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.670 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Tgt Ion:113 Resp: 60041
Ion Ratio Lower Upper
113 100
111 101.4 83.5 125.3
192 17.2 14.4 21.6

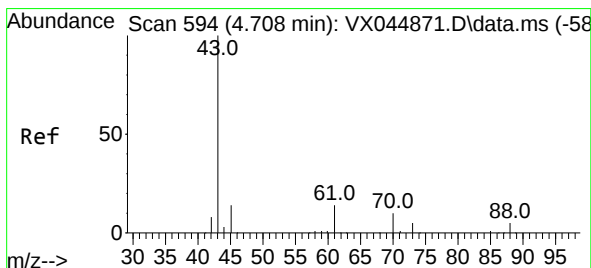
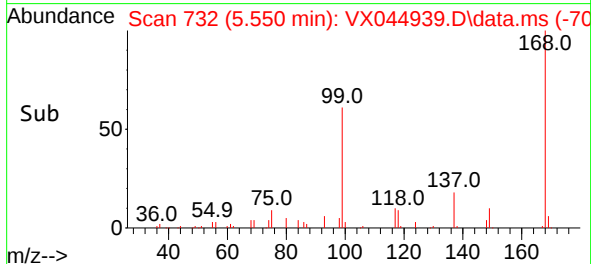
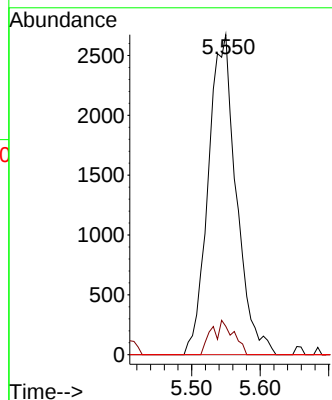
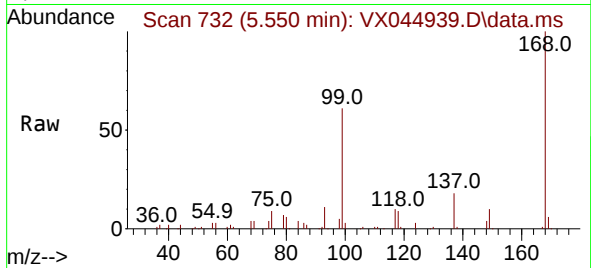




#36
1,1-Dichloropropene
Concen: 4.446 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

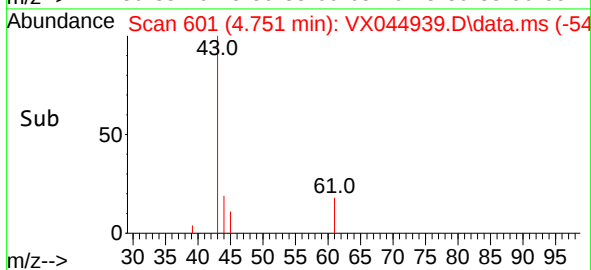
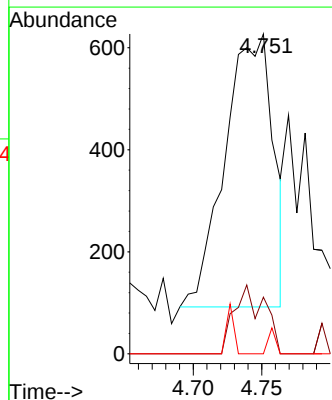
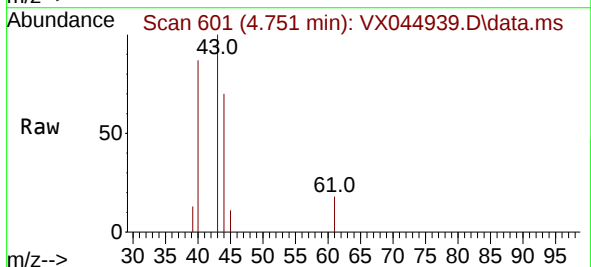
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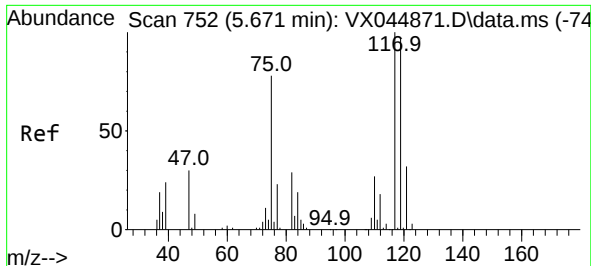
Tgt Ion: 75 Resp: 7600
Ion Ratio Lower Upper
75 100
110 5.2 17.2 51.6#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.686 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.043 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

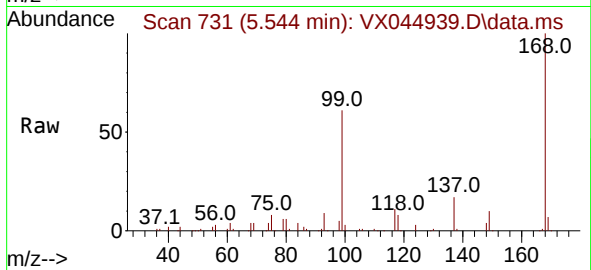
Tgt Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 1.5 8.2 12.2#



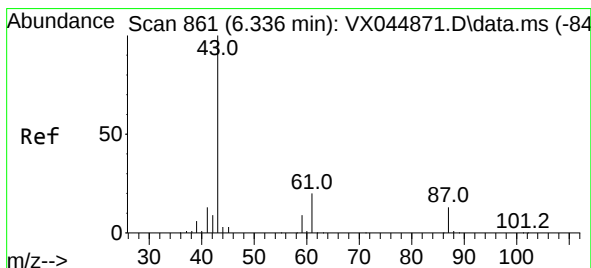
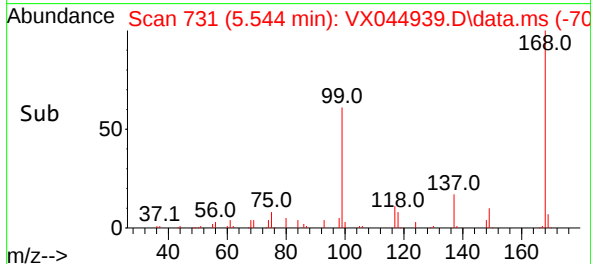
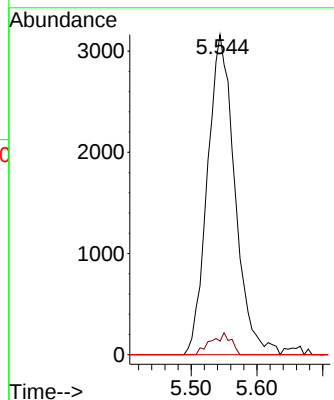


#38
Carbon Tetrachloride
Concen: 5.480 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Instrument :
MSVOA_X
ClientSampleId :
PB166691TB

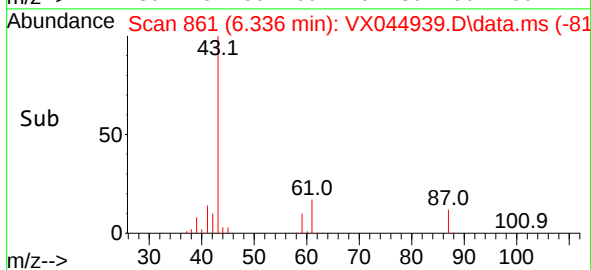
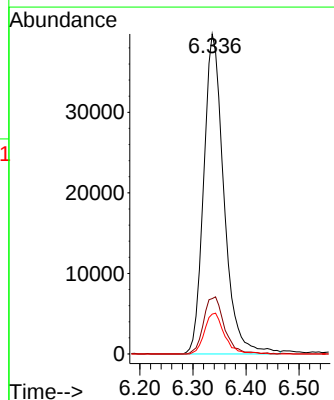
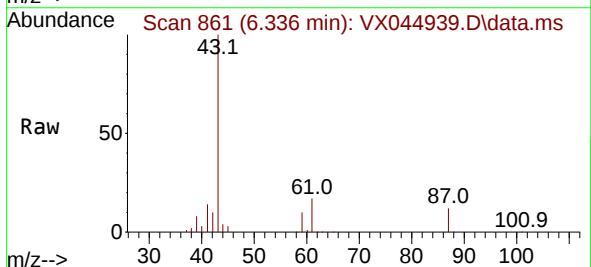


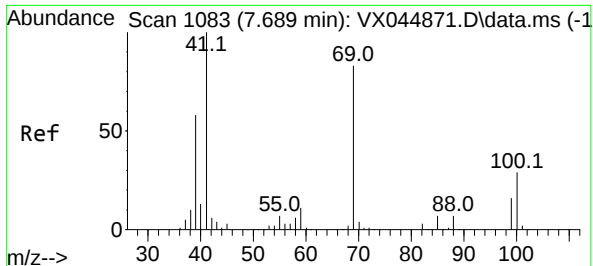
Tgt Ion:117 Resp: 9181
Ion Ratio Lower Upper
117 100
119 4.2 77.5 116.3#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 34.264 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Tgt Ion: 43 Resp: 105213
Ion Ratio Lower Upper
43 100
61 18.3 15.8 23.8
87 12.6 10.0 15.0

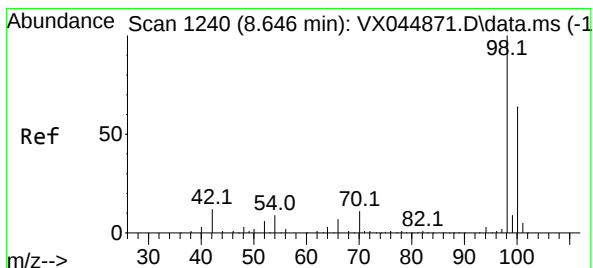
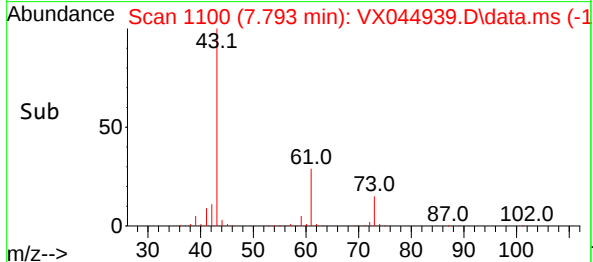
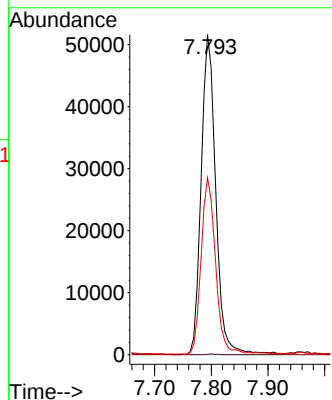
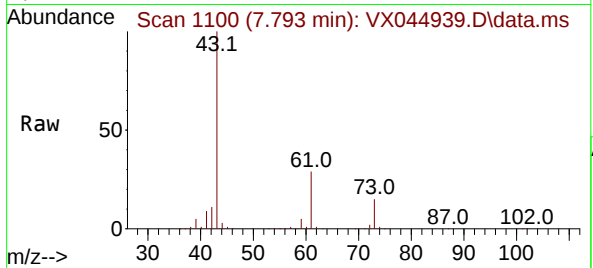




#48
Methyl methacrylate
Concen: 63.761 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

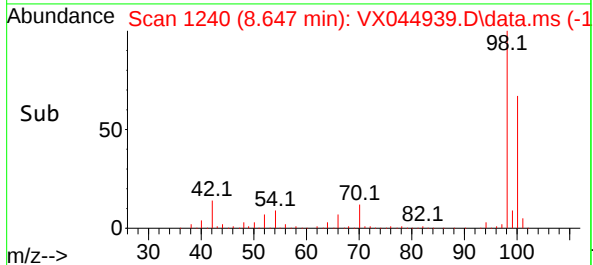
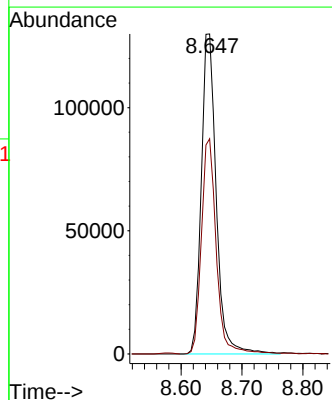
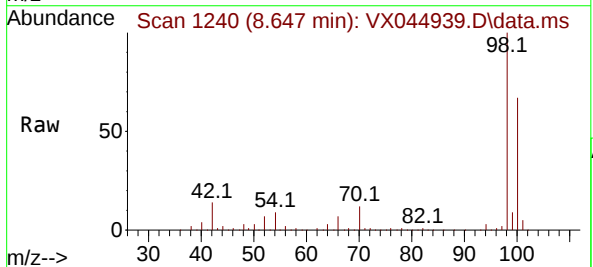
Instrument :
MSVOA_X
ClientSampleId :
PB166691TB

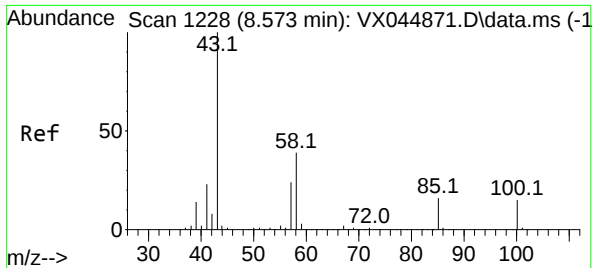
Tgt Ion: 41 Resp: 92315
Ion Ratio Lower Upper
41 100
69 0.1 65.8 98.8#
39 53.8 46.4 69.6



#50
Toluene-d8
Concen: 49.459 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Tgt Ion: 98 Resp: 221614
Ion Ratio Lower Upper
98 100
100 66.7 52.7 79.1

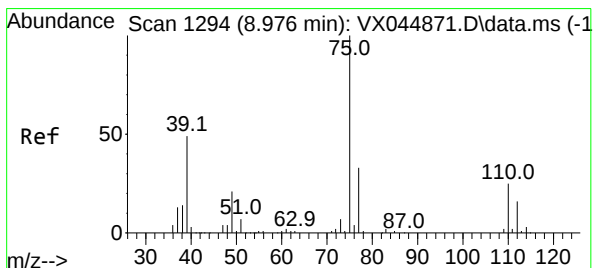
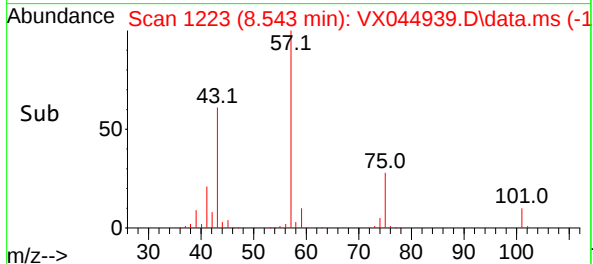
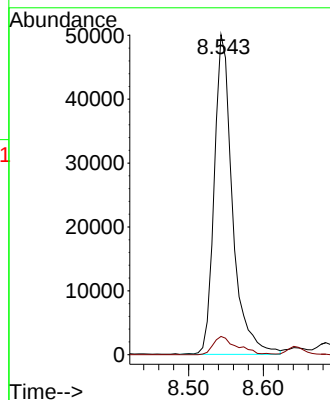
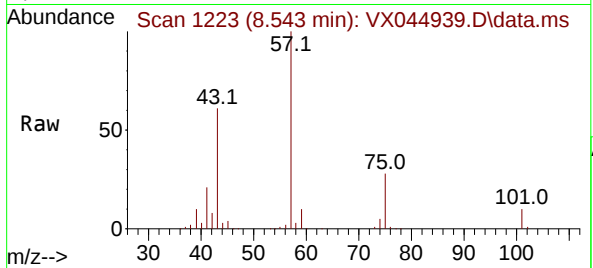




#51
4-Methyl-2-Pentanone
Concen: 45.352 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

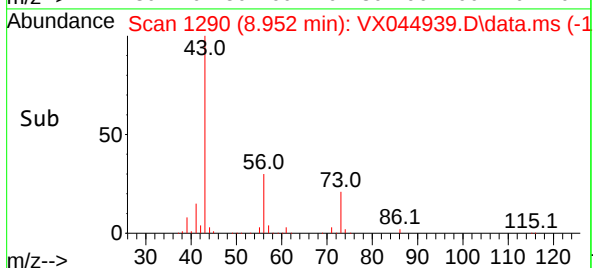
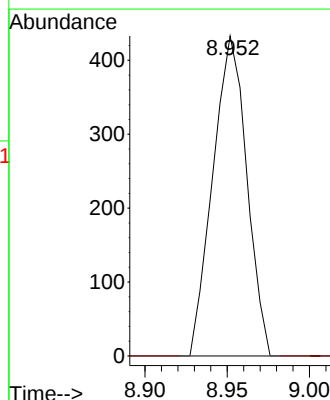
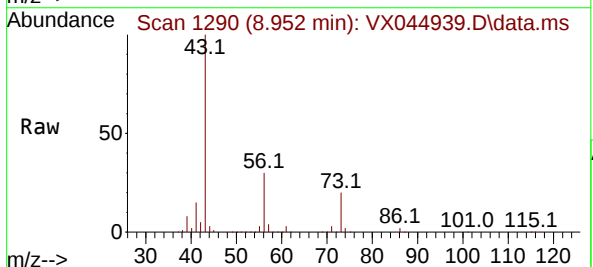
Instrument :
MSVOA_X
ClientSampleId :
PB166691TB

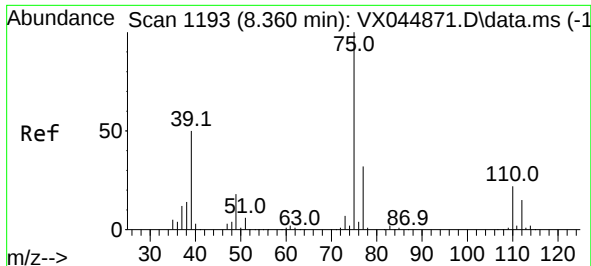
Tgt Ion: 43 Resp: 84661
Ion Ratio Lower Upper
43 100
58 7.5 30.8 46.2#



#53
t-1,3-Dichloropropene
Concen: 0.344 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Tgt Ion: 75 Resp: 620
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

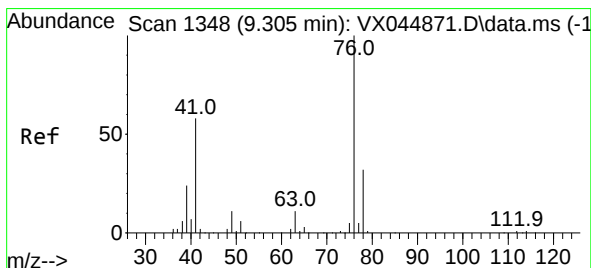
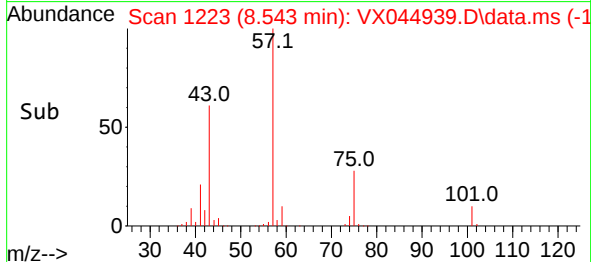
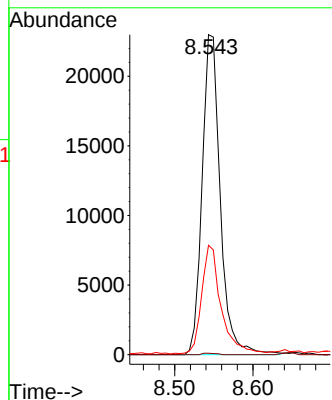
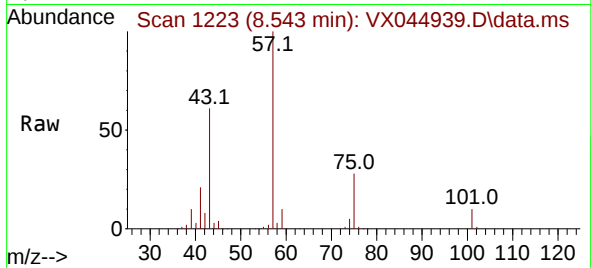




#54
 cis-1,3-Dichloropropene
 Concen: 18.360 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX044939.D
 Acq: 12 Feb 2025 17:30

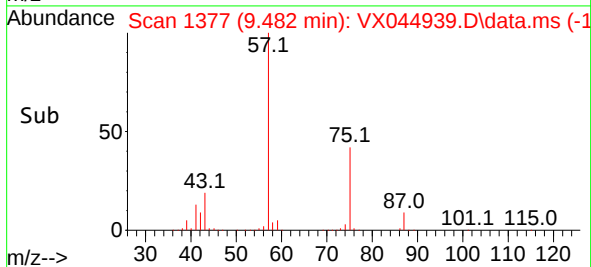
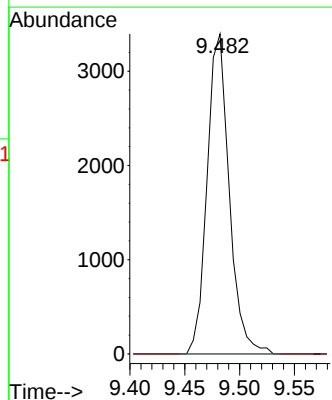
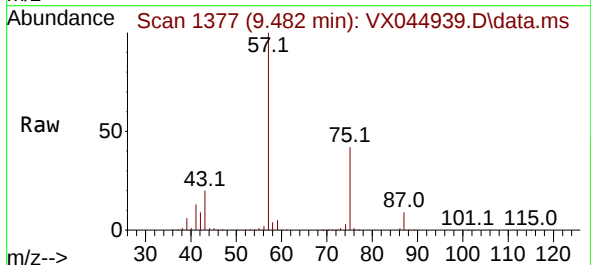
Instrument :
 MSVOA_X
 ClientSampleId :
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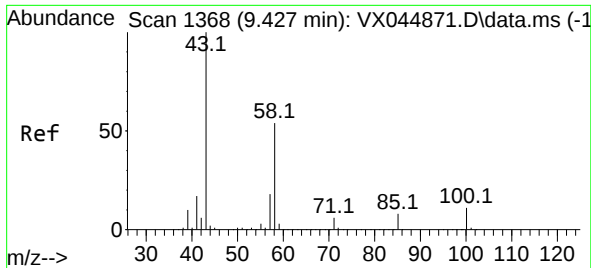
Tgt Ion: 75 Resp: 36942
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 33.9 40.0 60.0#



#57
 1,3-Dichloropropane
 Concen: 2.231 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX044939.D
 Acq: 12 Feb 2025 17:30

Tgt Ion: 76 Resp: 4770
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

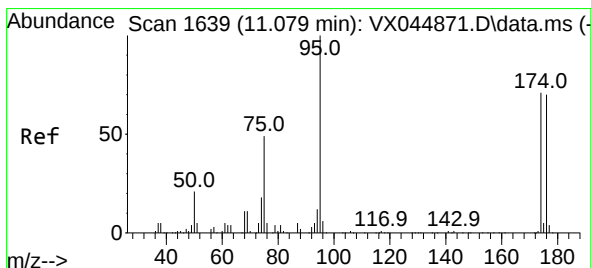
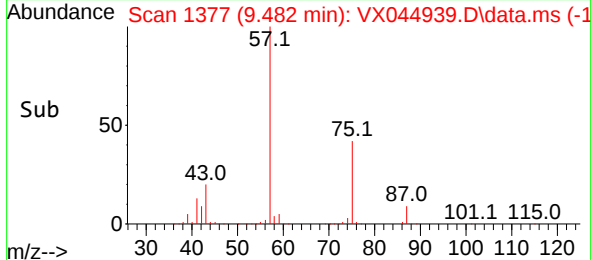
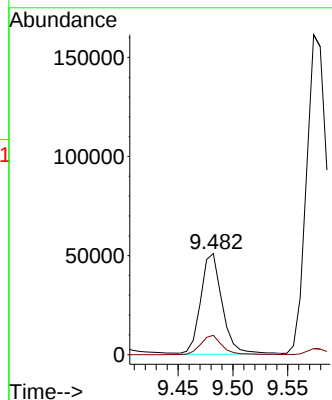
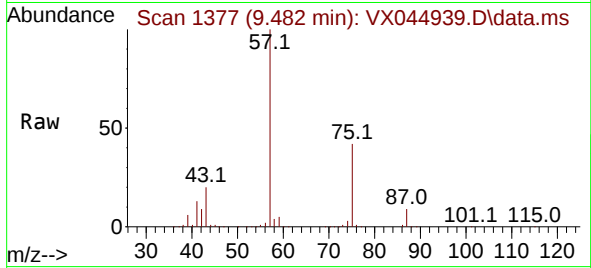




#59
2-Hexanone
Concen: 51.557 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

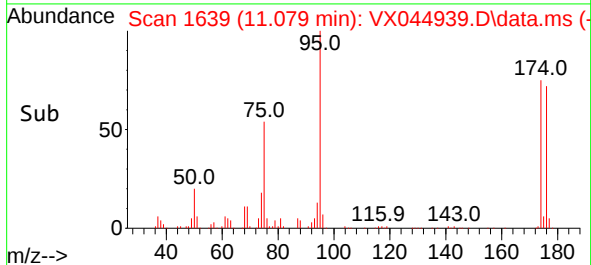
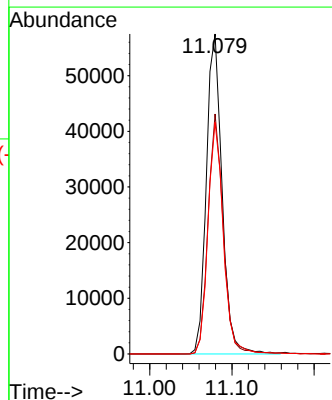
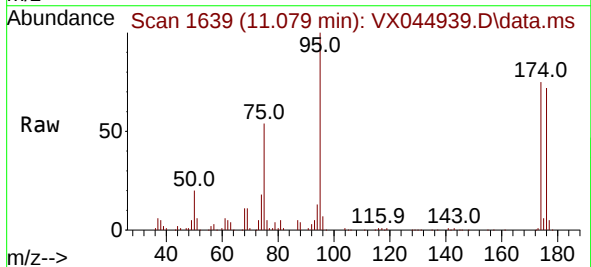
Instrument :
MSVOA_X
ClientSampleId :
PB166691TB

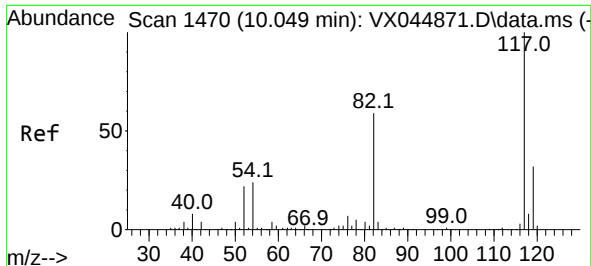
Tgt Ion: 43 Resp: 69345
Ion Ratio Lower Upper
43 100
58 19.3 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 50.516 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Tgt Ion: 95 Resp: 76306
Ion Ratio Lower Upper
95 100
174 73.0 0.0 142.6
176 71.0 0.0 141.6

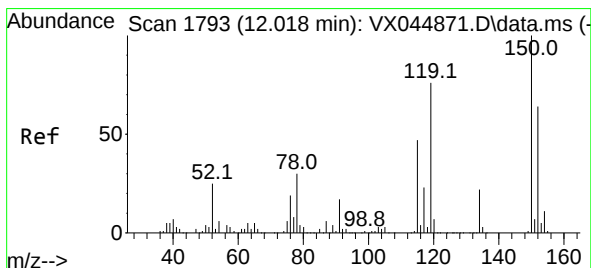
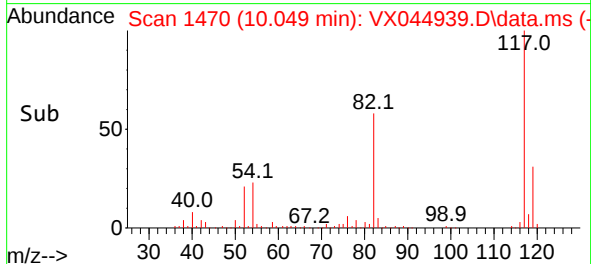
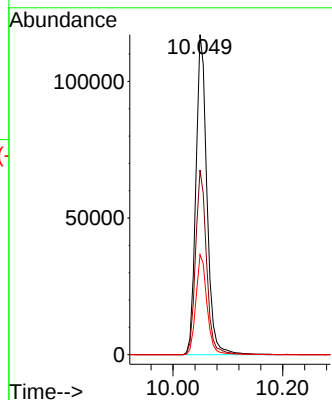
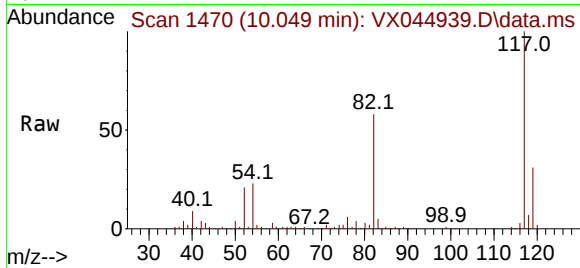




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

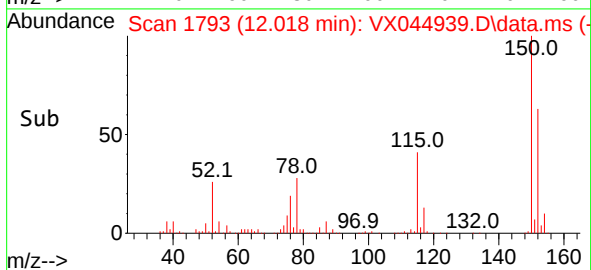
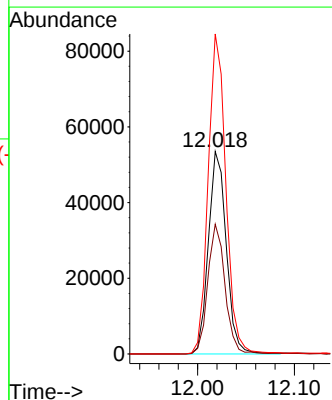
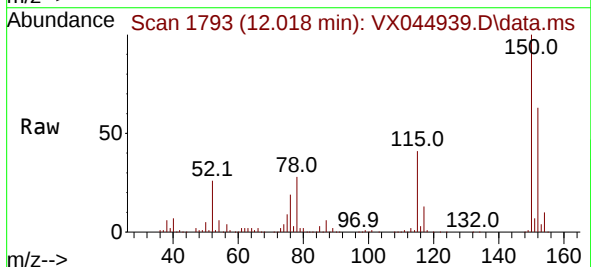
Instrument :
MSVOA_X
ClientSampleId :
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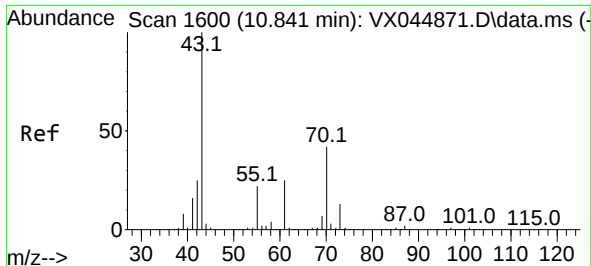
Tgt Ion:117 Resp: 165182
Ion Ratio Lower Upper
117 100
82 57.7 47.5 71.3
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Tgt Ion:152 Resp: 69012
Ion Ratio Lower Upper
152 100
115 61.6 43.4 130.1
150 156.6 0.0 350.4

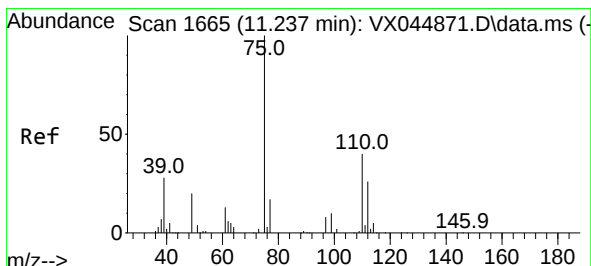
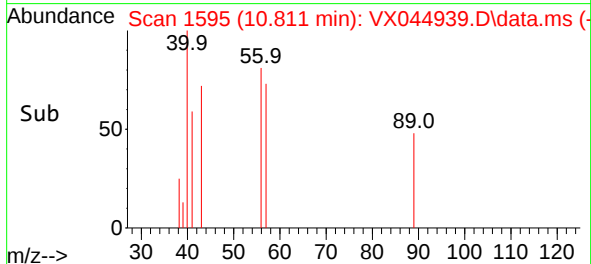
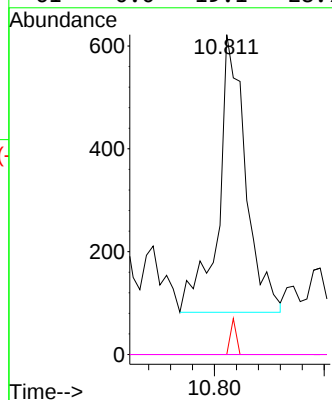
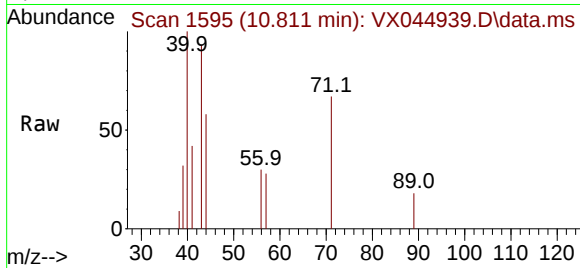




#74
N-amy1 acetate
Concen: 0.369 ug/l
RT: 10.811 min Scan# 1639
Delta R.T. -0.030 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

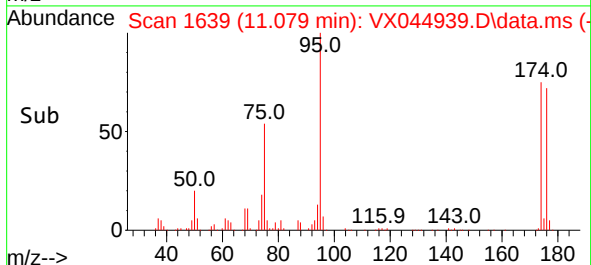
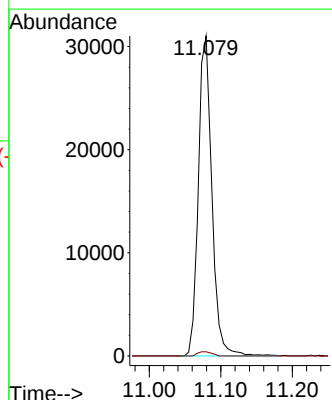
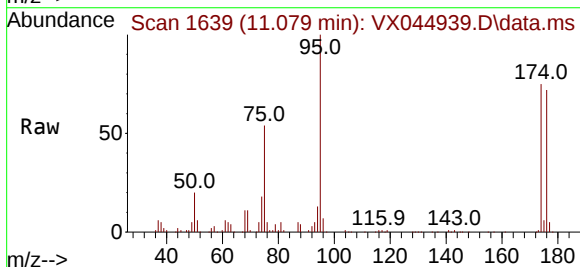
Instrument :
MSVOA_X
ClientSampleId :
PB166691TB

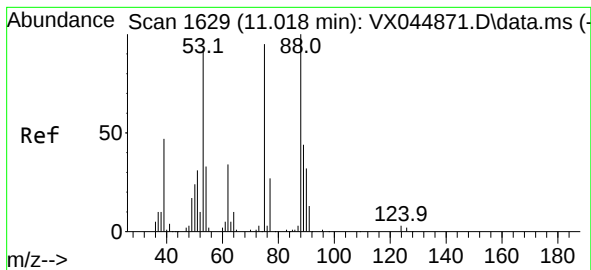
Tgt Ion: 43	Resp: 929
Ion Ratio	Lower Upper
43 100	
70 0.0	33.7 50.5#
55 0.0	18.6 27.8#
61 0.0	19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 26.639 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044939.D
Acq: 12 Feb 2025 17:30

Tgt Ion: 75	Resp: 40760
Ion Ratio	Lower Upper
75 100	
77 1.4	21.9 65.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.525 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044939.D
 Acq: 12 Feb 2025 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 PB166691TB

Tgt Ion: 75 Resp: 40760
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 36.6 54.8#

