

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073025\
 Data File : VX047185.D
 Acq On : 30 Jul 2025 14:20
 Operator : JC/MD
 Sample : Q2709-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 7211935-295

Quant Time: Jul 31 03:16:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

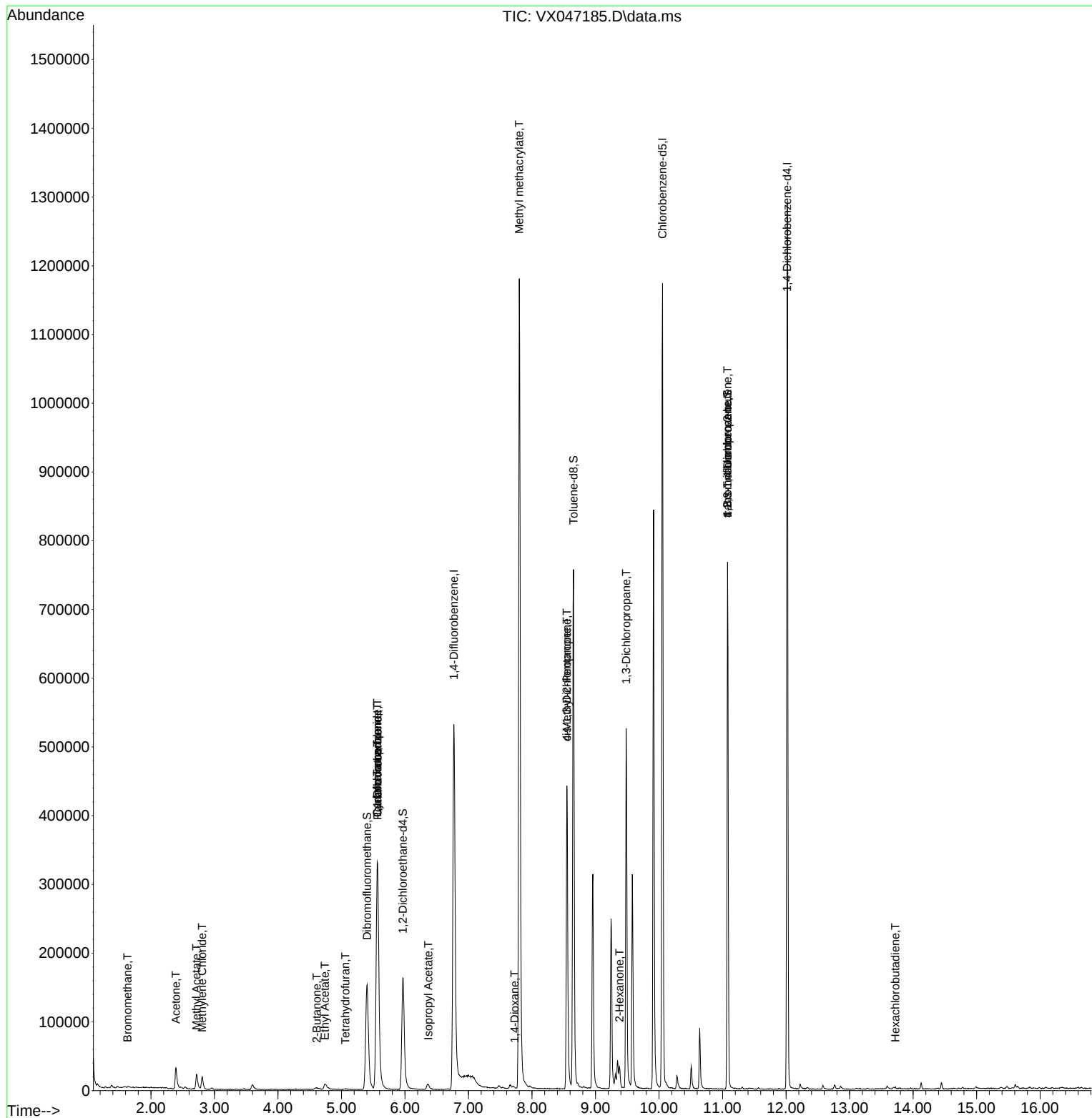
Internal Standards						
1) Pentafluorobenzene	5.568	168	330471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	562738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	506567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	255879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	172705	41.953	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.900%		
35) Dibromofluoromethane	5.403	113	146409	42.138	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.280%		
50) Toluene-d8	8.653	98	450490	40.036	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	80.080%#		
62) 4-Bromofluorobenzene	11.079	95	208287	42.954	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.900%		
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	1039	0.410	ug/l	90
11) Tert butyl alcohol	2.953	59	201	Below Cal	#	72
16) Acetone	2.392	43	46094	27.951	ug/l	98
18) Methyl Acetate	2.715	43	30597	6.982	ug/l	97
20) Methylene Chloride	2.806	84	8658	1.908	ug/l	94
25) 2-Butanone	4.611	43	6124	2.550	ug/l	# 88
29) Tetrahydrofuran	5.062	42	764	0.493	ug/l	# 62
31) Cyclohexane	5.562	56	7076	0.919	ug/l	# 12
36) 1,1-Dichloropropene	5.562	75	28502	4.812	ug/l	# 45
37) Ethyl Acetate	4.739	43	17740	3.251	ug/l	98
38) Carbon Tetrachloride	5.562	117	35620	5.635	ug/l	# 17
43) Isopropyl Acetate	6.367	43	13906	1.634	ug/l	98
48) Methyl methacrylate	7.799	41	109876	23.706	ug/l	# 46
49) 1,4-Dioxane	7.726	88	44	0.835	ug/l	# 20
51) 4-Methyl-2-Pentanone	8.549	43	160775	31.792	ug/l	# 49
54) cis-1,3-Dichloropropene	8.549	75	73202	11.054	ug/l	# 61
57) 1,3-Dichloropropane	9.482	76	4821	0.702	ug/l	# 43
59) 2-Hexanone	9.378	43	21374	6.397	ug/l	# 25
76) 1,2,3-Trichloropropane	11.079	75	108411	22.890	ug/l	# 35
81) trans-1,4-Dichloro-2-b...	11.079	75	108411	58.973	ug/l	# 8
94) Hexachlorobutadiene	13.719	225	444	0.225	ug/l	86

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

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Quant Title : SW846 8260
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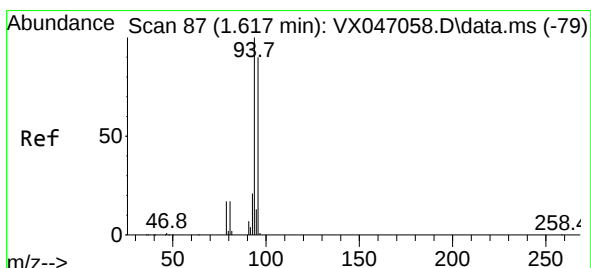
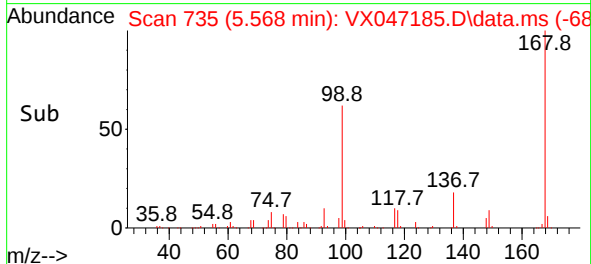
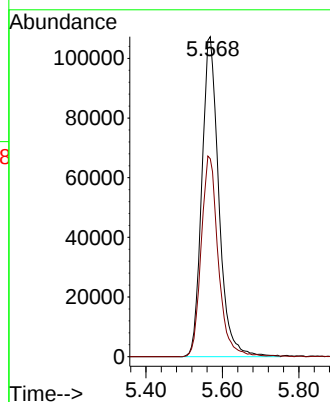
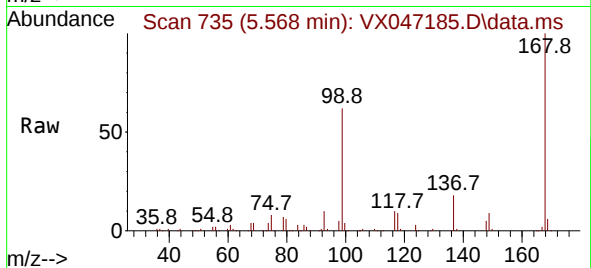




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

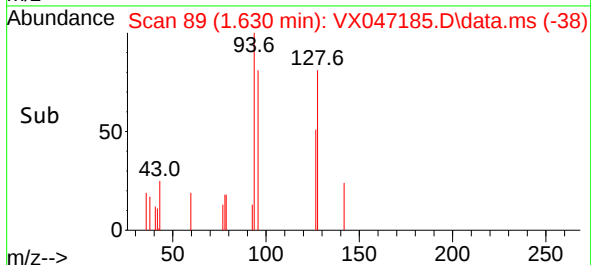
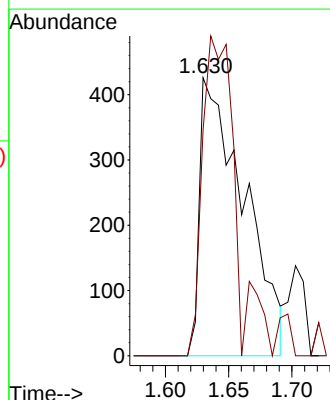
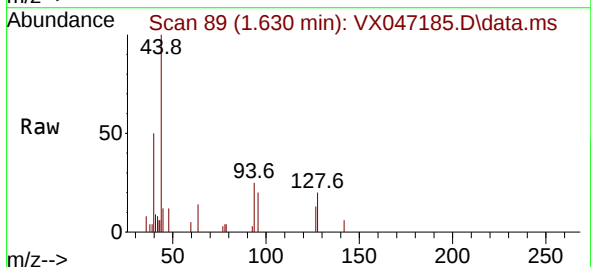
Instrument :
MSVOA_X
ClientSampleId :
7211935-295

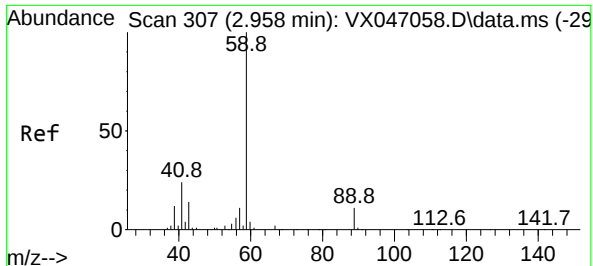
Tgt Ion:168 Resp: 330471
Ion Ratio Lower Upper
168 100
99 61.8 48.0 72.0



#5
Bromomethane
Concen: 0.410 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.013 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Tgt Ion: 94 Resp: 1039
Ion Ratio Lower Upper
94 100
96 81.2 72.3 108.5





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 30

Delta R.T. -0.005 min

Lab File: VX047185.D

Acq: 30 Jul 2025 14:20

Instrument :

MSVOA_X

ClientSampleId :

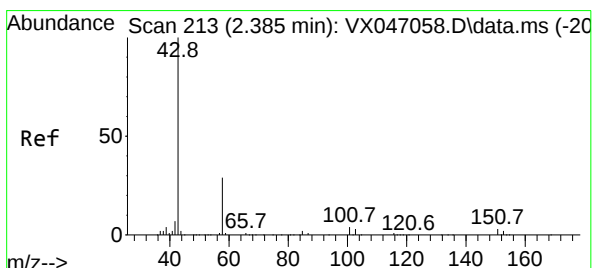
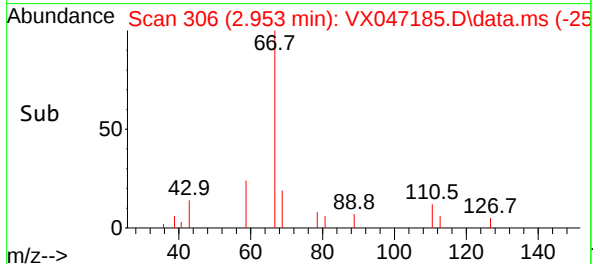
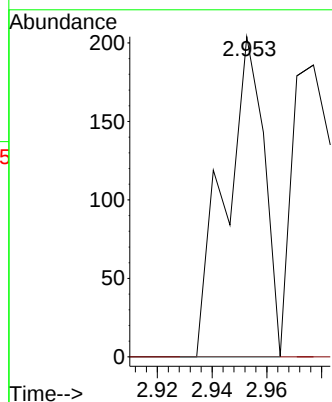
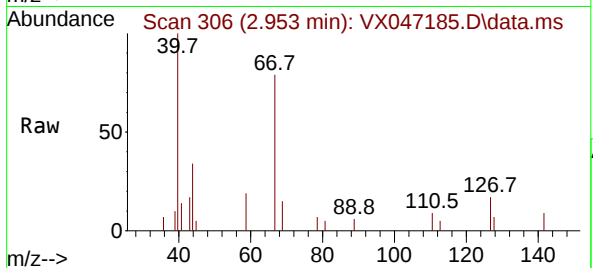
7211935-295

Tgt Ion: 59 Resp: 201

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 27.951 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX047185.D

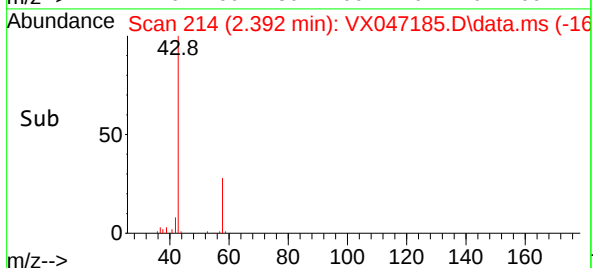
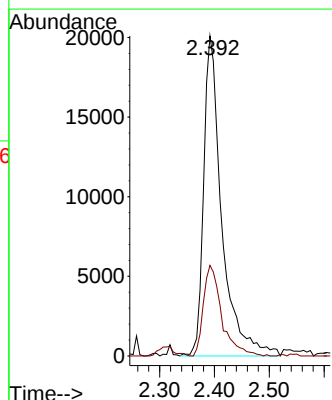
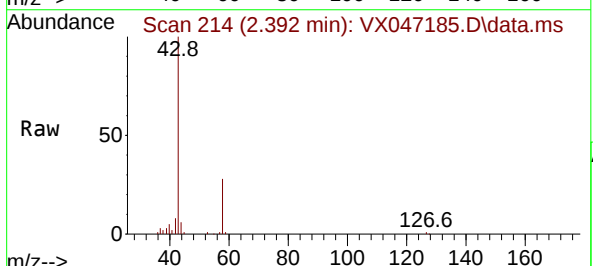
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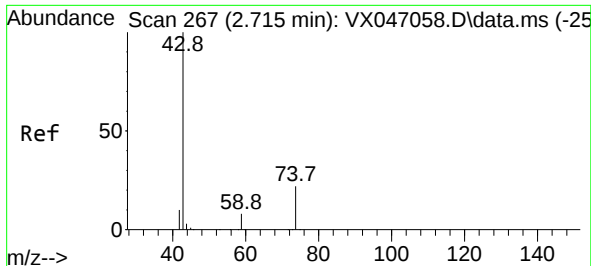
Tgt Ion: 43 Resp: 46094

Ion Ratio Lower Upper

43 100

58 29.1 24.0 36.0

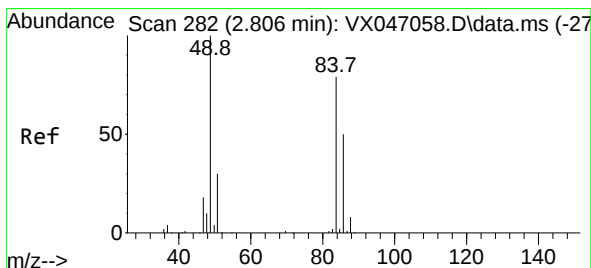
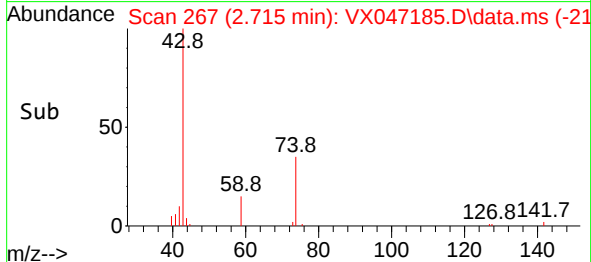
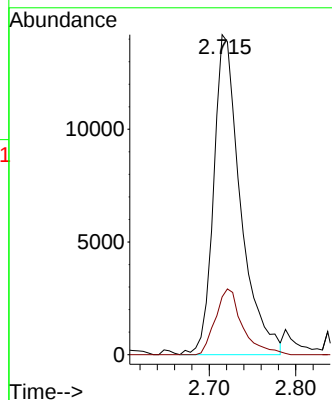
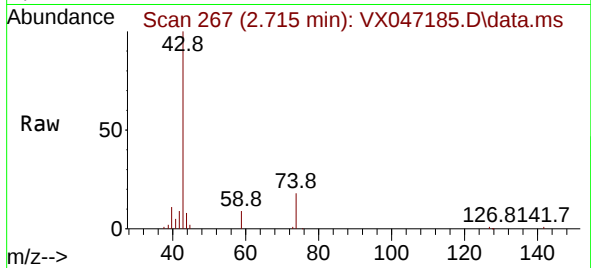




#18
Methyl Acetate
Concen: 6.982 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

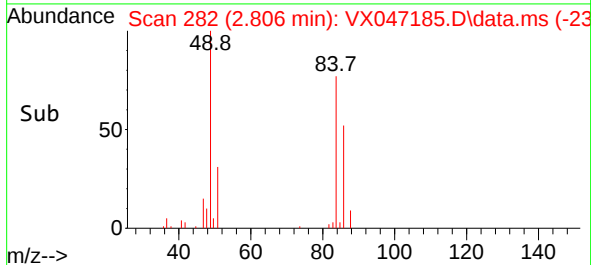
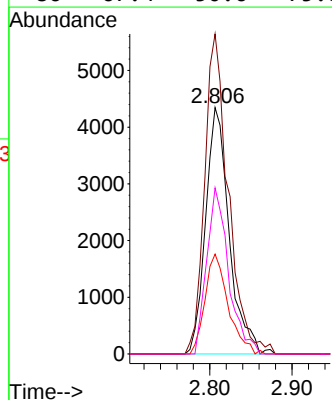
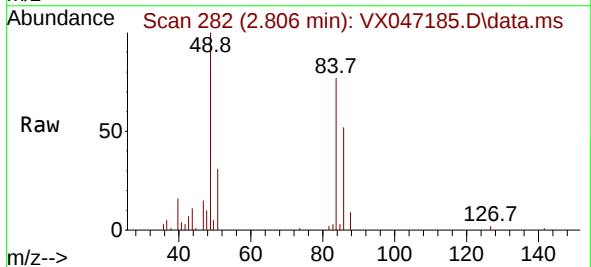
Instrument :
MSVOA_X
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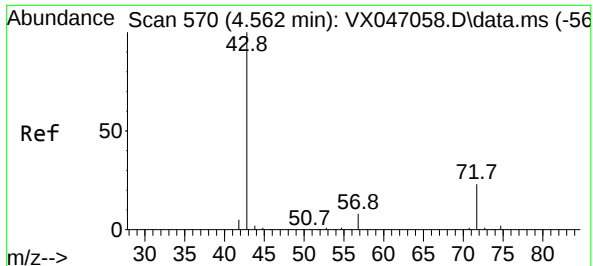
Tgt Ion: 43 Resp: 30597
Ion Ratio Lower Upper
43 100
74 20.6 17.7 26.5



#20
Methylene Chloride
Concen: 1.908 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Tgt Ion: 84 Resp: 8658
Ion Ratio Lower Upper
84 100
49 135.7 101.6 152.4
51 40.5 30.3 45.5
86 67.4 50.6 75.8

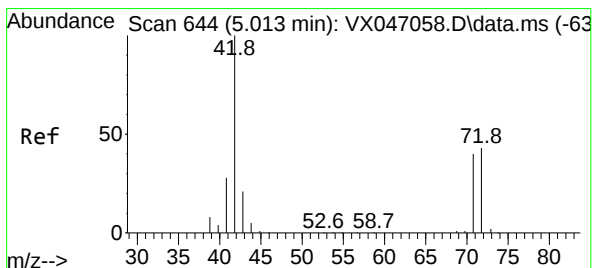
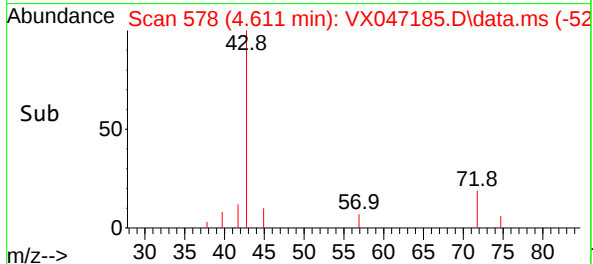
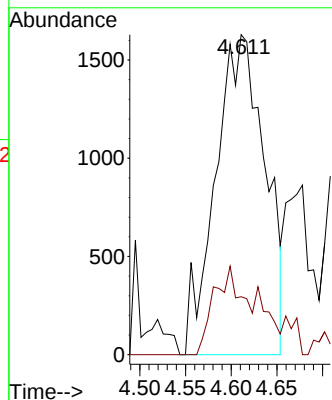
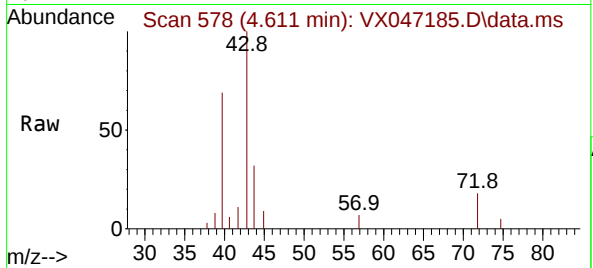




#25
2-Butanone
Concen: 2.550 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

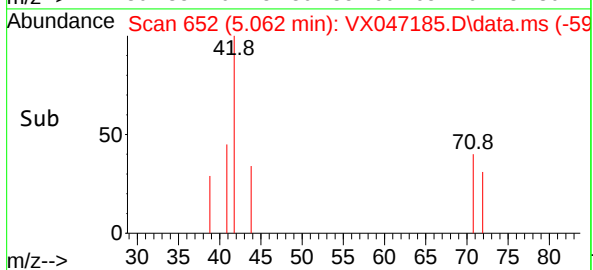
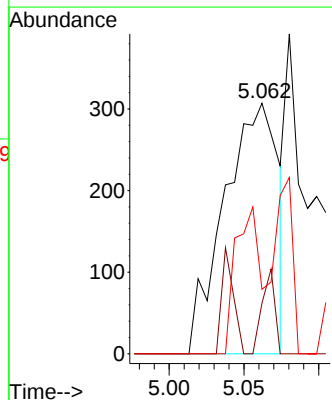
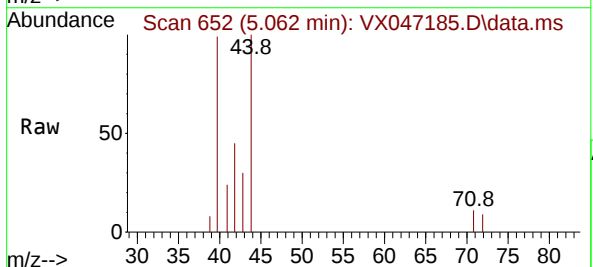
Instrument :
MSVOA_X
ClientSampleId :
7211935-295

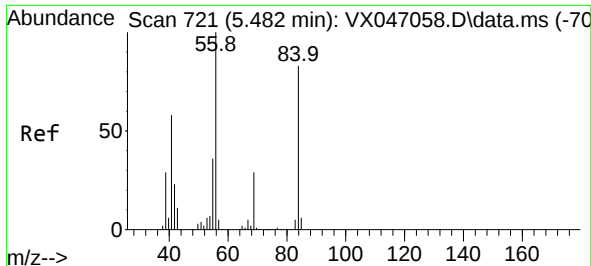
Tgt Ion: 43 Resp: 6124
Ion Ratio Lower Upper
43 100
72 17.7 18.8 28.2#



#29
Tetrahydrofuran
Concen: 0.493 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.049 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Tgt Ion: 42 Resp: 764
Ion Ratio Lower Upper
42 100
72 8.0 33.7 50.5#
71 26.2 31.0 46.4#

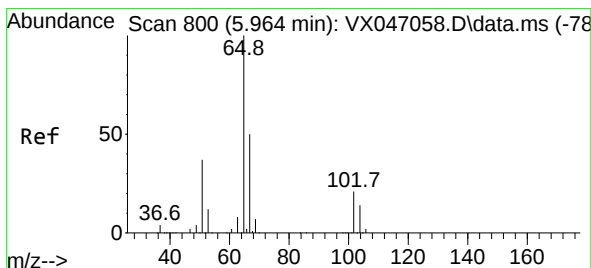
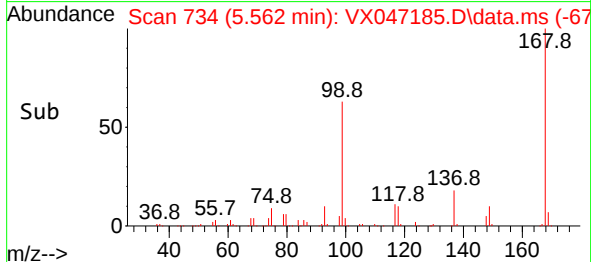
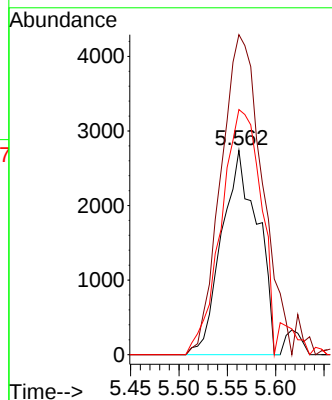
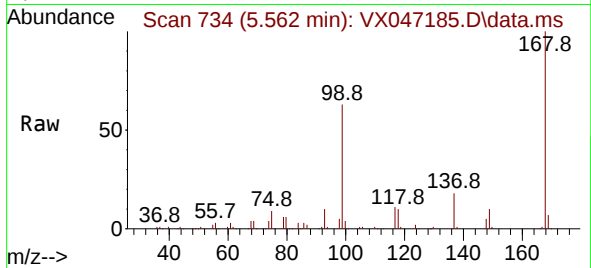




#31
Cyclohexane
Concen: 0.919 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

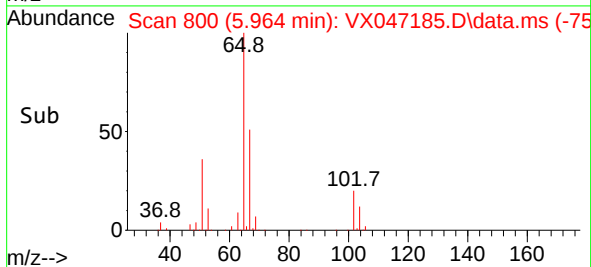
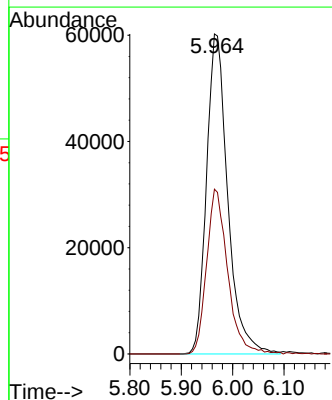
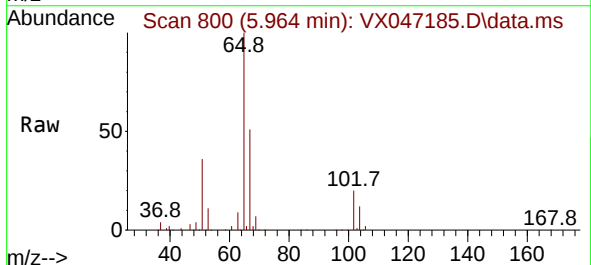
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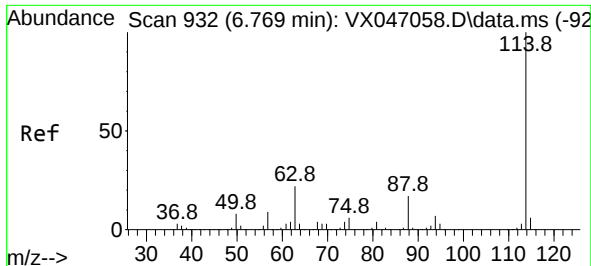
Tgt Ion: 56 Resp: 7076
Ion Ratio Lower Upper
56 100
69 152.6 23.3 34.9#
84 116.9 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 41.953 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Tgt Ion: 65 Resp: 172705
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.8

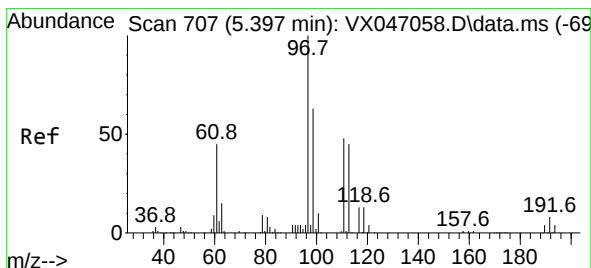
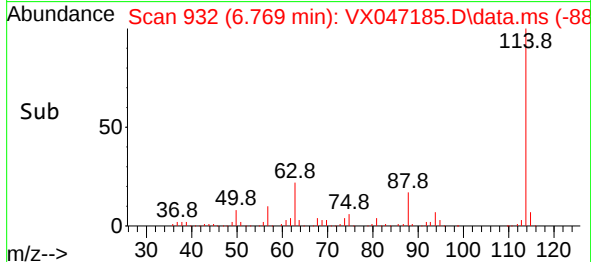
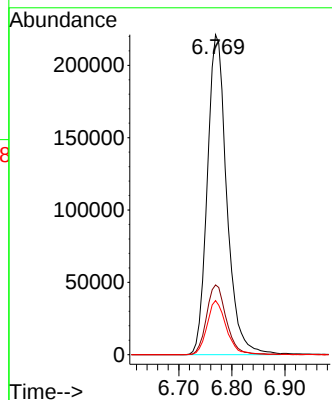
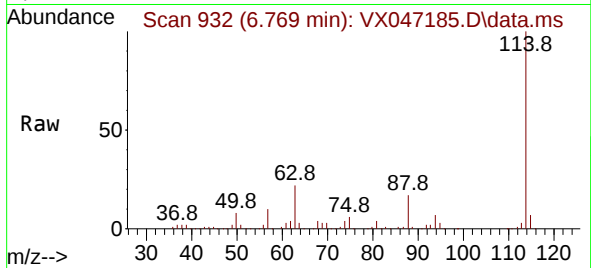




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

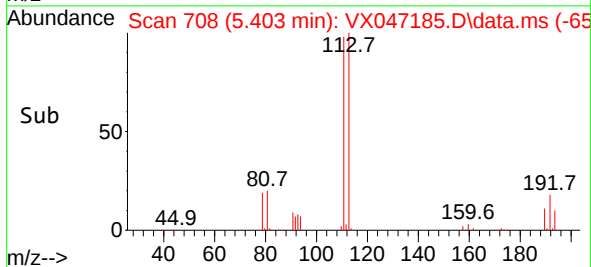
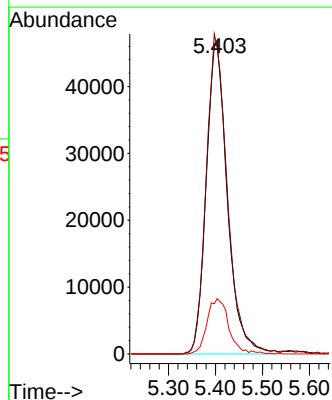
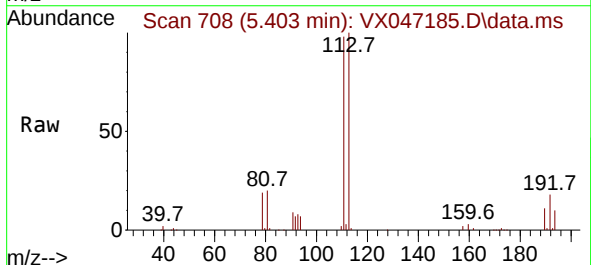
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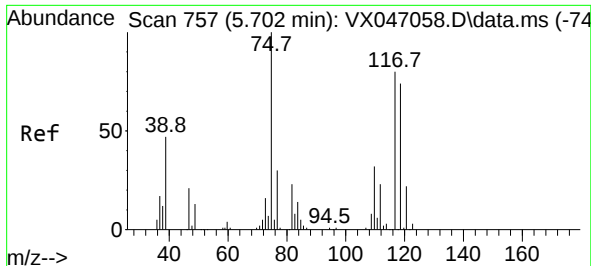
Tgt Ion:114 Resp: 562738
Ion Ratio Lower Upper
114 100
63 24.9 0.0 43.2
88 16.9 0.0 33.8



#35
Dibromofluoromethane
Concen: 42.138 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

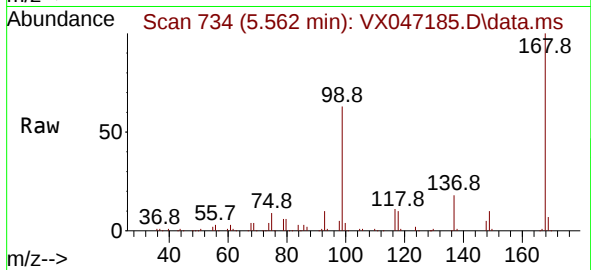
Tgt Ion:113 Resp: 146409
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 18.2 14.9 22.3



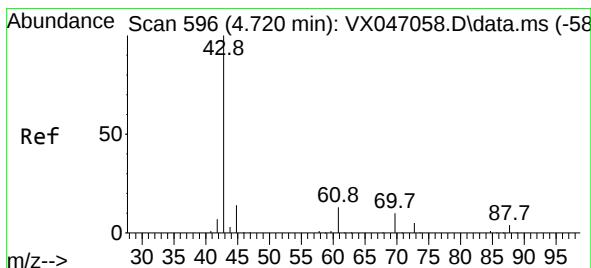
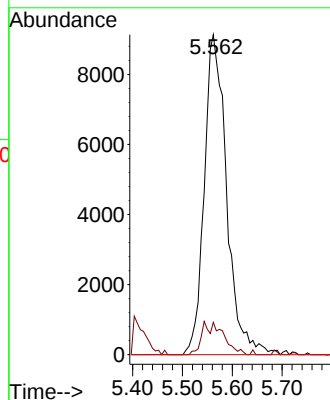
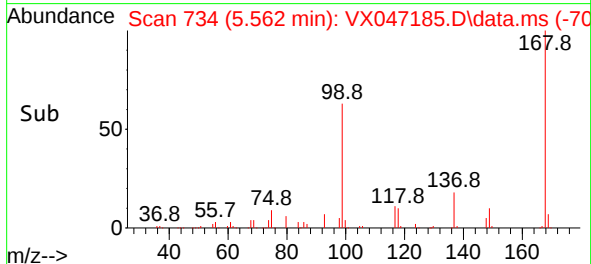


#36
1,1-Dichloropropene
Concen: 4.812 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Instrument :
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ClientSampleId :
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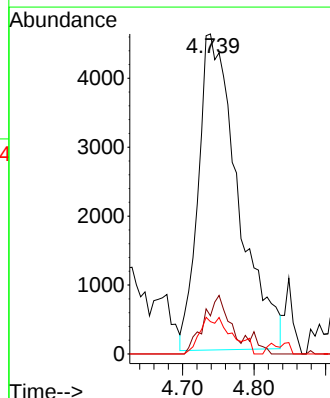
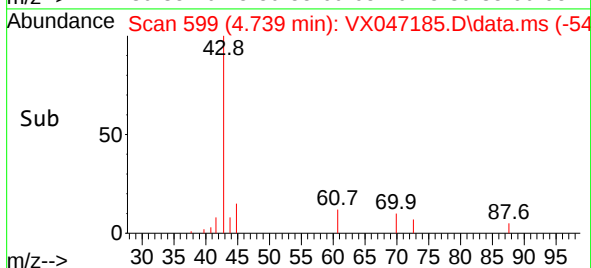
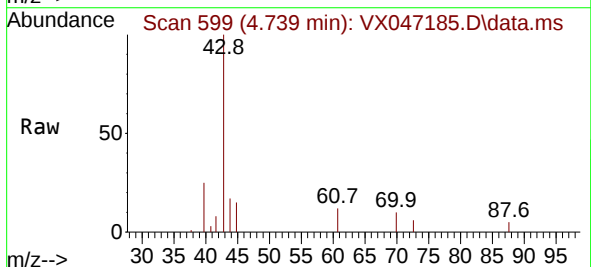


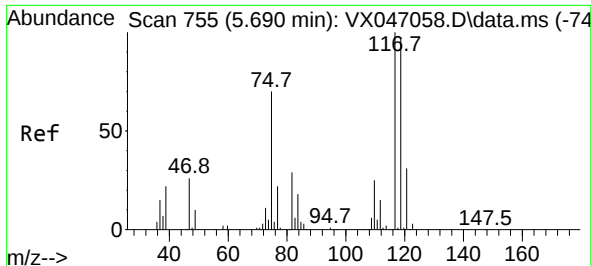
Tgt Ion: 75 Resp: 28502
Ion Ratio Lower Upper
75 100
110 4.0 17.2 51.5#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 3.251 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.019 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Tgt Ion: 43 Resp: 17740
Ion Ratio Lower Upper
43 100
61 11.7 10.2 15.2
70 9.4 8.1 12.1

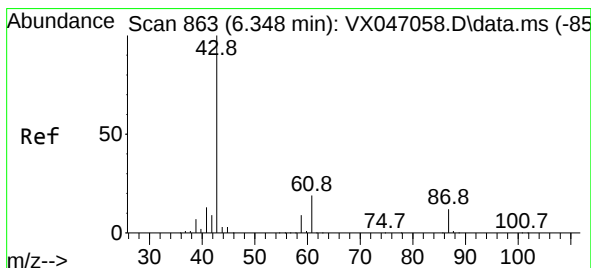
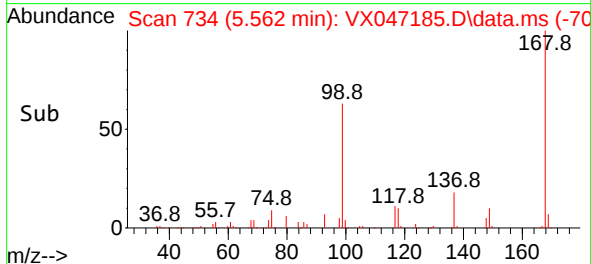
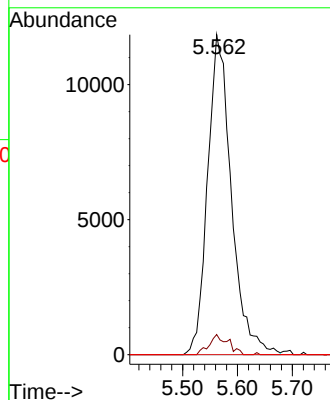
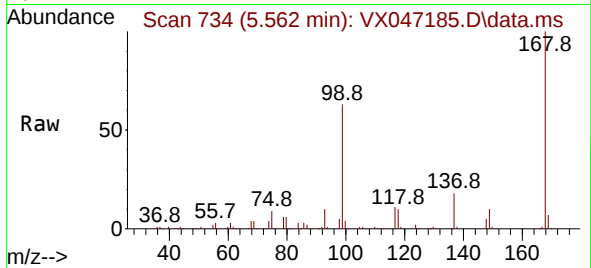




#38
Carbon Tetrachloride
Concen: 5.635 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

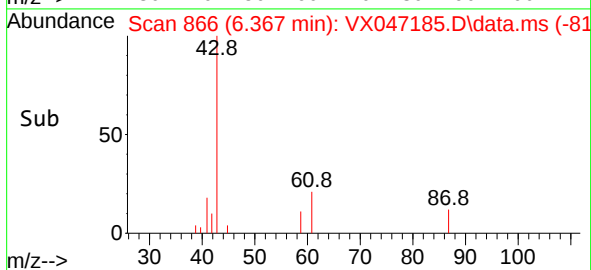
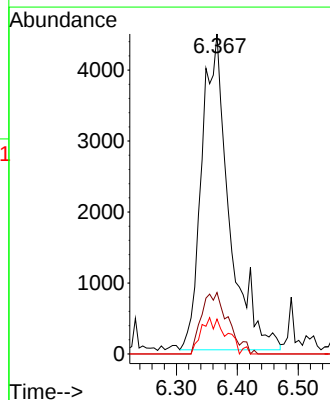
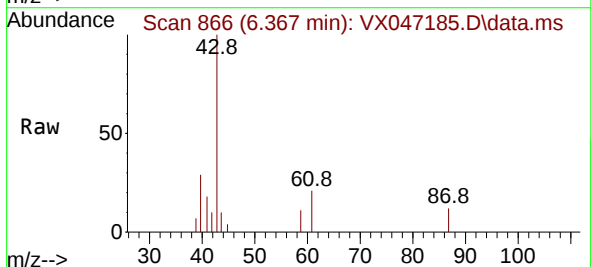
Instrument :
MSVOA_X
ClientSampleId :
7211935-295

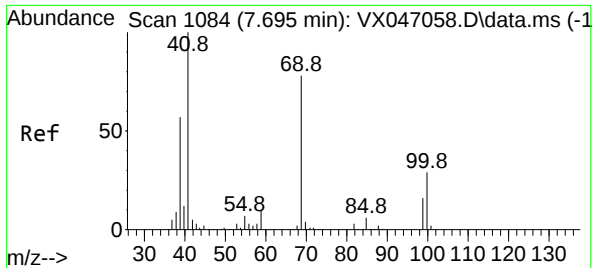
Tgt Ion:117 Resp: 35620
Ion Ratio Lower Upper
117 100
119 6.3 76.6 115.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 1.634 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.019 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Tgt Ion: 43 Resp: 13906
Ion Ratio Lower Upper
43 100
61 19.1 15.1 22.7
87 10.7 9.7 14.5

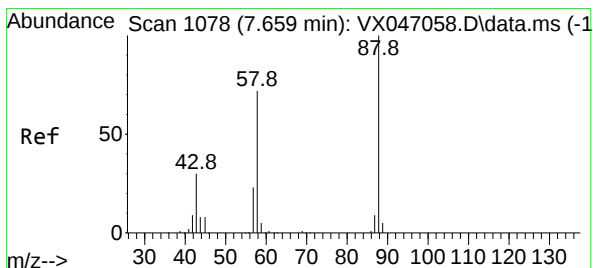
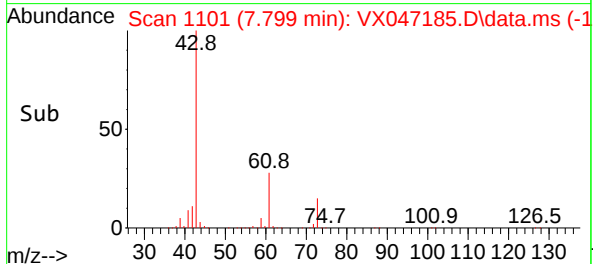
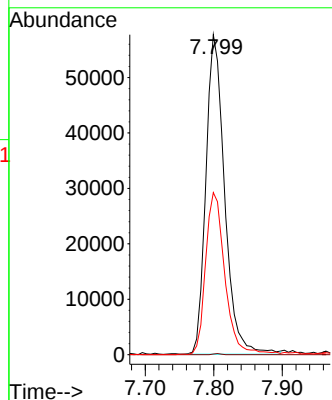
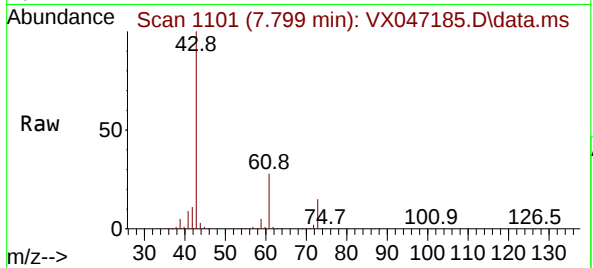




#48
Methyl methacrylate
Concen: 23.706 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

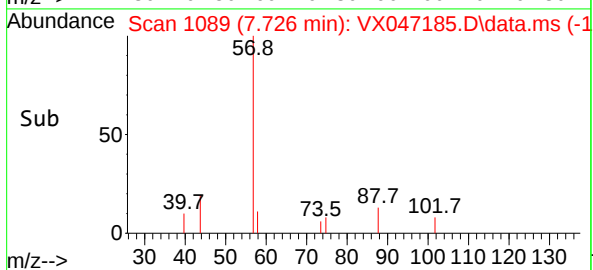
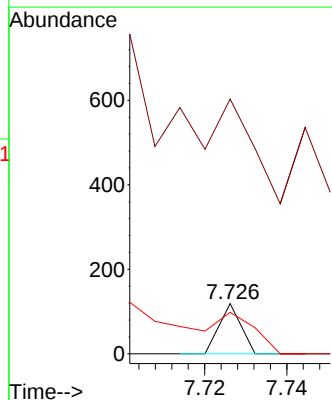
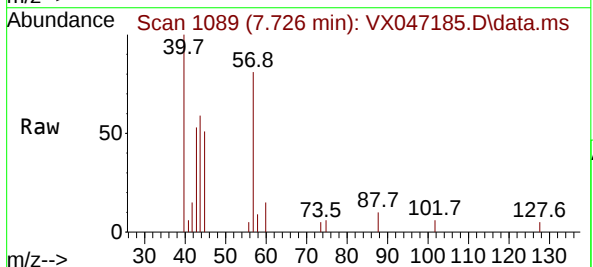
Instrument :
MSVOA_X
ClientSampleId :
7211935-295

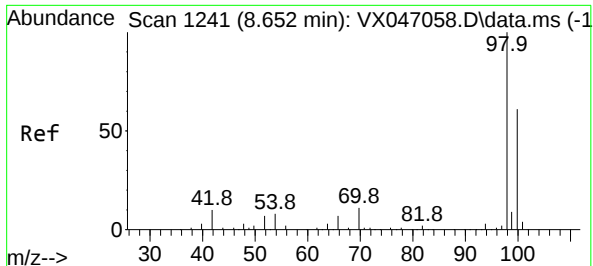
Tgt Ion: 41 Resp: 109876
Ion Ratio Lower Upper
41 100
69 0.1 62.3 93.5#
39 52.3 44.8 67.2



#49
1,4-Dioxane
Concen: 0.835 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.067 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 0.0 33.6 50.4#
58 0.0 58.8 88.2#

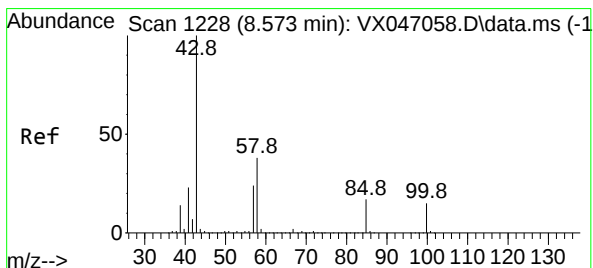
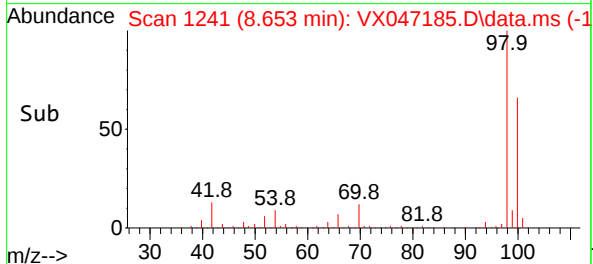
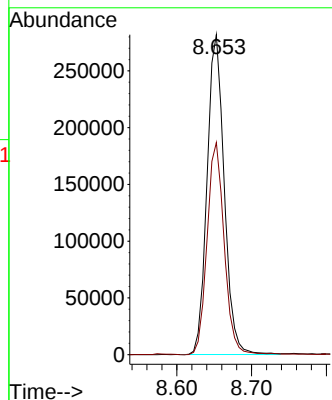
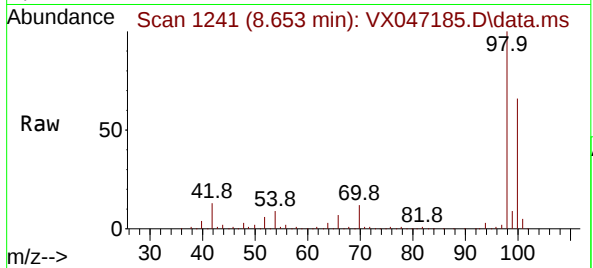




#50
Toluene-d8
Concen: 40.036 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

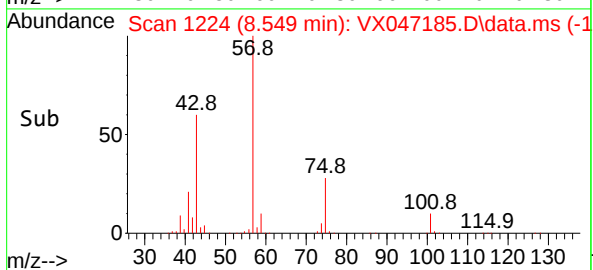
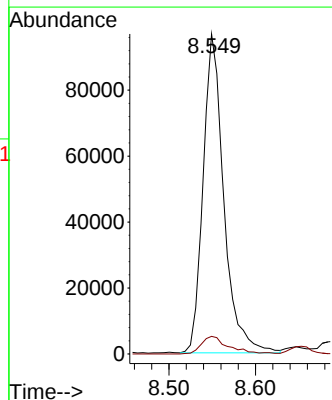
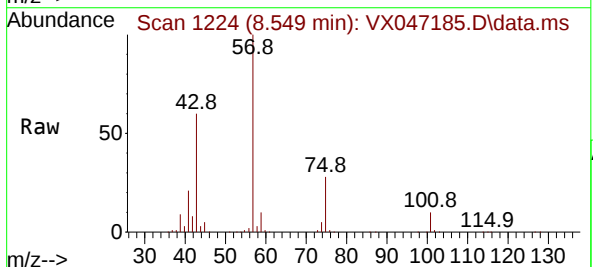
Instrument :
MSVOA_X
ClientSampleId :
7211935-295

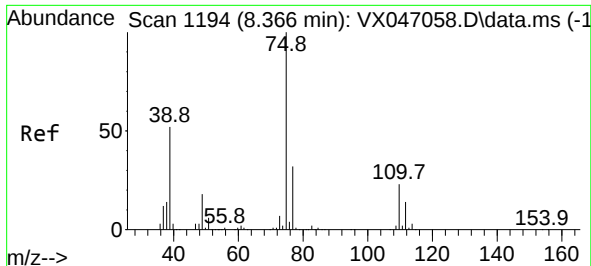
Tgt Ion: 98 Resp: 450490
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 31.792 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Tgt Ion: 43 Resp: 160775
Ion Ratio Lower Upper
43 100
58 7.3 30.6 45.8#

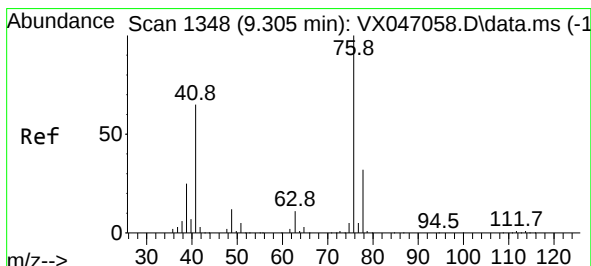
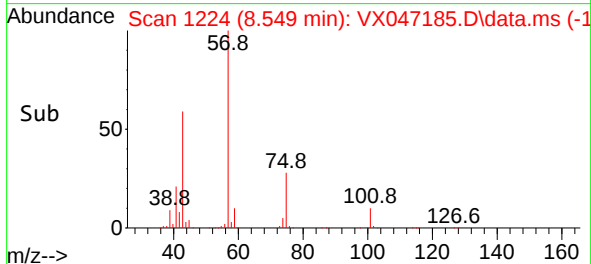
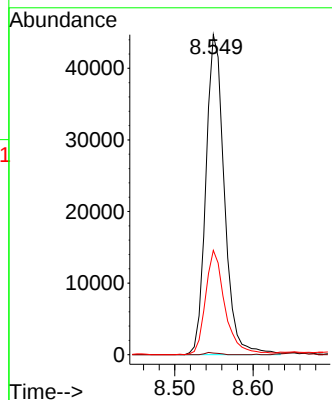
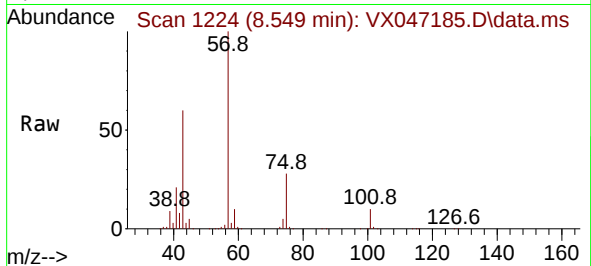




#54
 cis-1,3-Dichloropropene
 Concen: 11.054 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX047185.D
 Acq: 30 Jul 2025 14:20

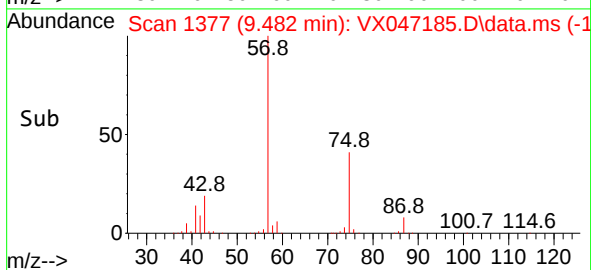
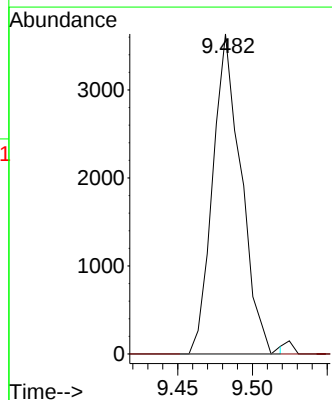
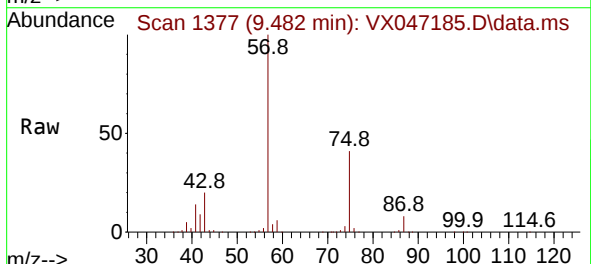
Instrument :
 MSVOA_X
 ClientSampleId :
 7211935-295

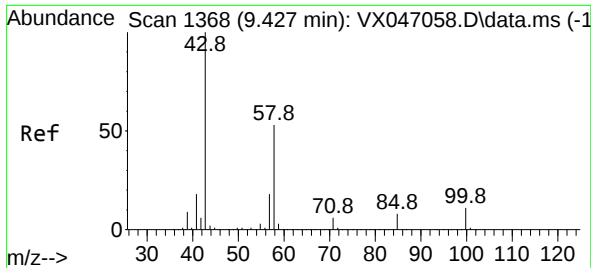
Tgt Ion: 75 Resp: 73202
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.4 38.0#
 39 31.8 41.8 62.6#



#57
 1,3-Dichloropropane
 Concen: 0.702 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX047185.D
 Acq: 30 Jul 2025 14:20

Tgt Ion: 76 Resp: 4821
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

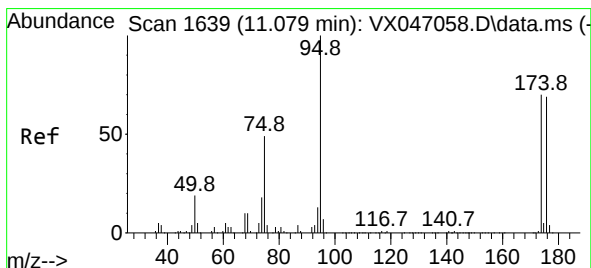
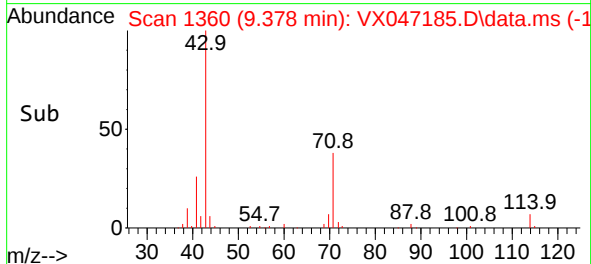
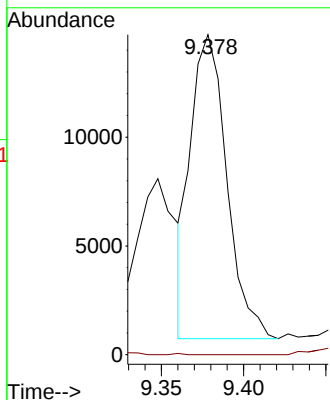
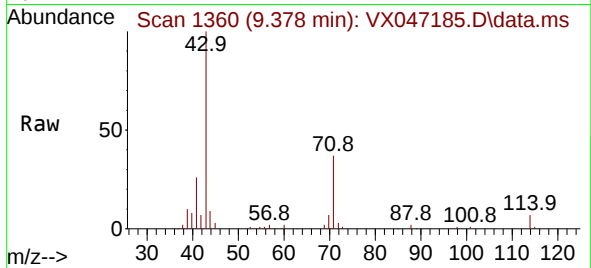




#59
2-Hexanone
Concen: 6.397 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.048 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

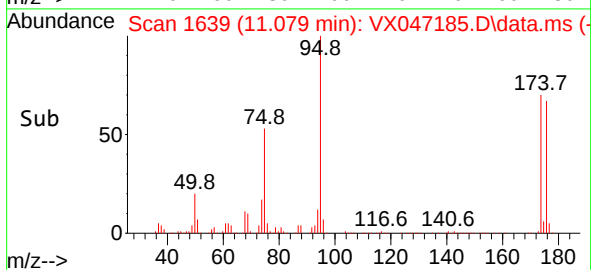
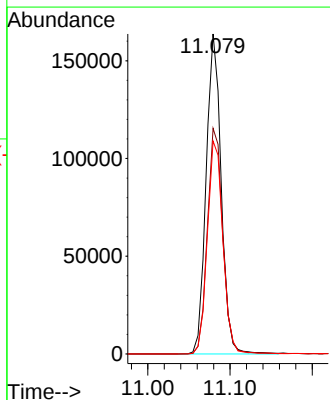
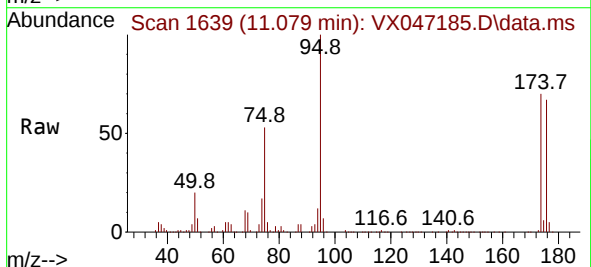
Instrument :
MSVOA_X
ClientSampleId :
7211935-295

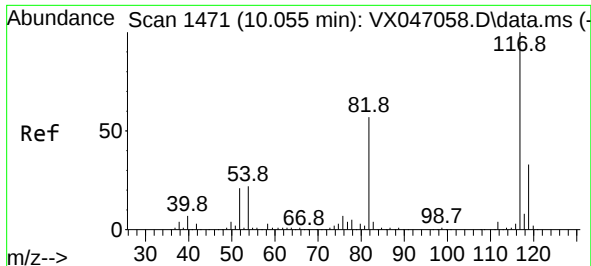
Tgt Ion: 43 Resp: 21374
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 42.954 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Tgt Ion: 95 Resp: 208287
Ion Ratio Lower Upper
95 100
174 72.3 0.0 144.6
176 68.9 0.0 139.6

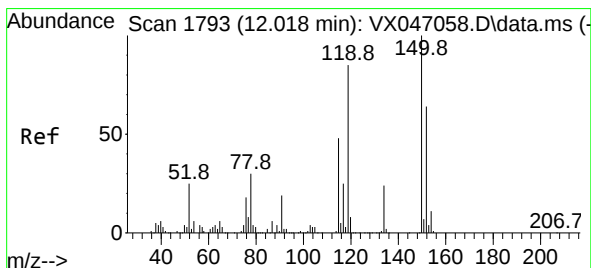
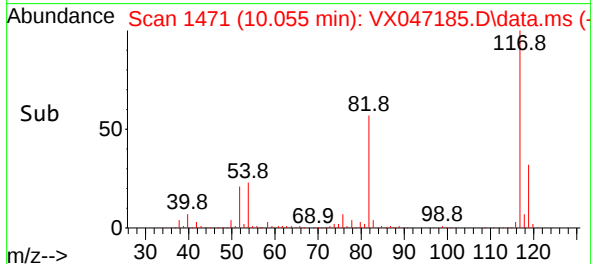
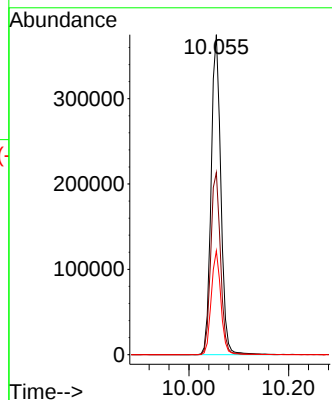
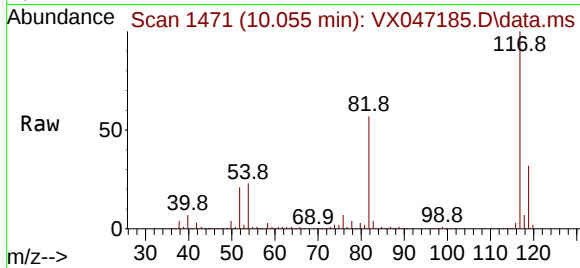




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

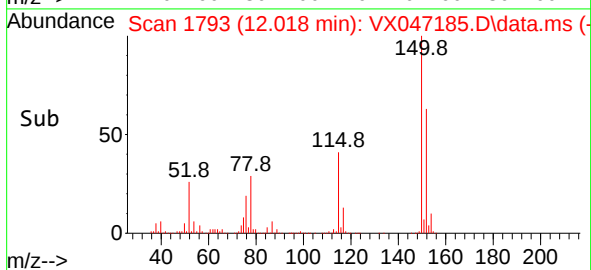
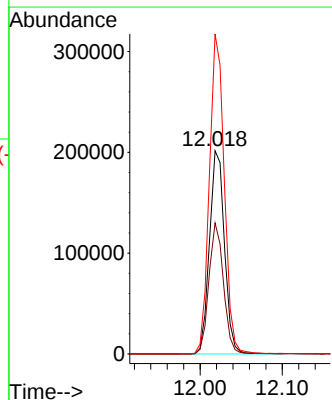
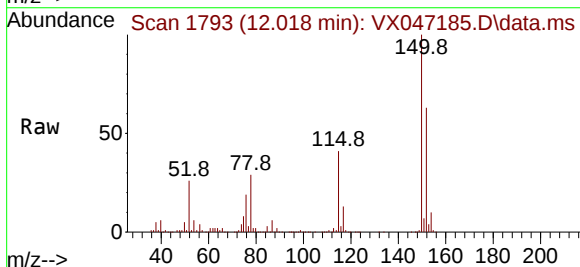
Instrument :
MSVOA_X
ClientSampleId :
7211935-295

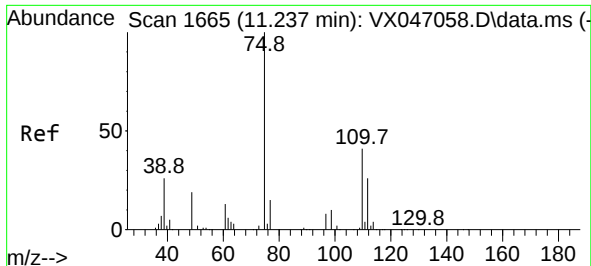
Tgt Ion:117 Resp: 506567
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.2
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Tgt Ion:152 Resp: 255879
Ion Ratio Lower Upper
152 100
115 62.6 45.6 136.7
150 156.6 0.0 354.6

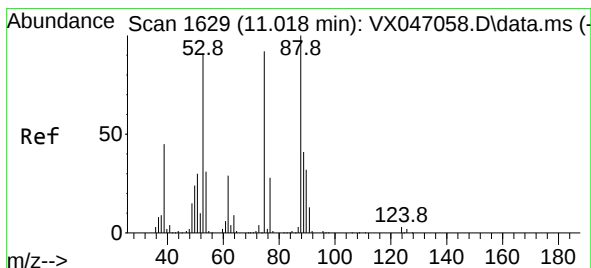
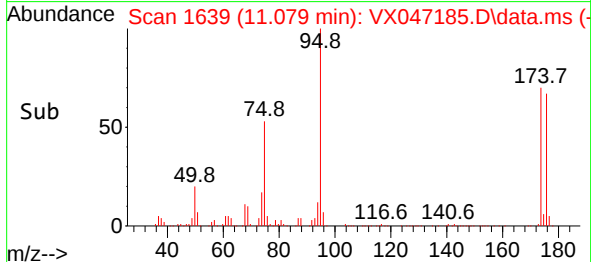
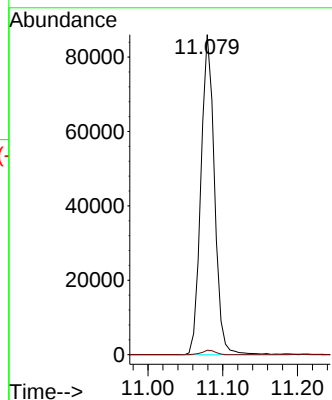
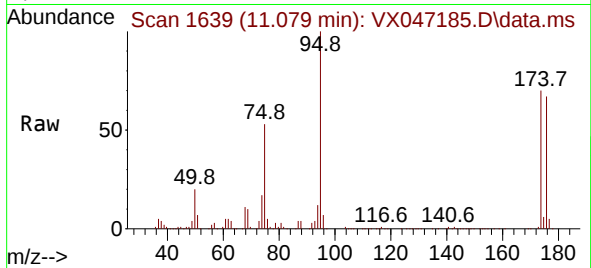




#76
1,2,3-Trichloropropane
Concen: 22.890 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

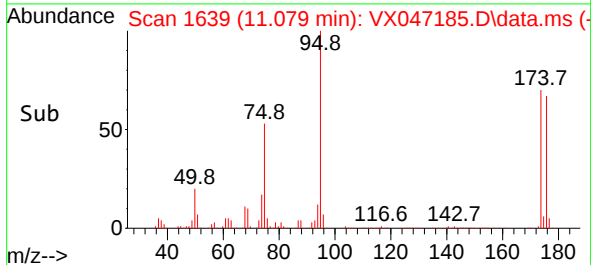
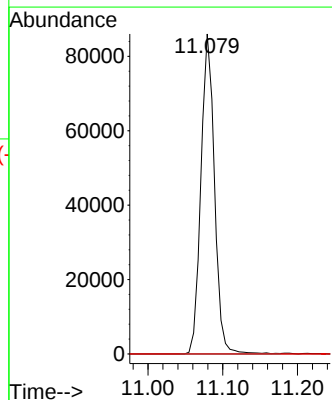
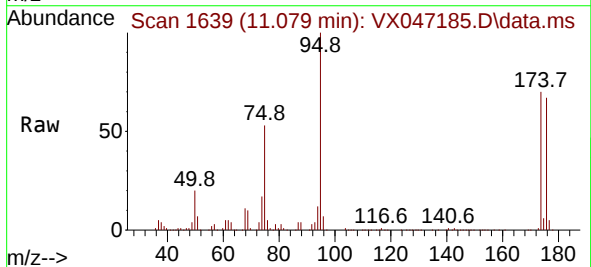
Instrument :
MSVOA_X
ClientSampleId :
7211935-295

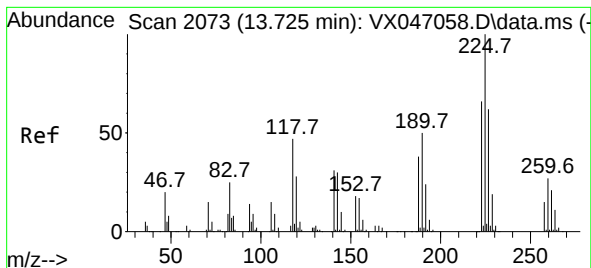
Tgt Ion: 75 Resp: 108411
Ion Ratio Lower Upper
75 100
77 1.4 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047185.D
Acq: 30 Jul 2025 14:20

Tgt Ion: 75 Resp: 108411
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#





#94

Hexachlorobutadiene

Concen: 0.225 ug/l

RT: 13.719 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX047185.D

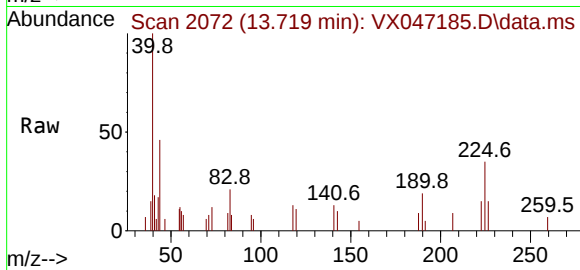
Acq: 30 Jul 2025 14:20

Instrument :

MSVOA_X

ClientSampleId :

7211935-295



Tgt Ion:225 Resp: 444

Ion Ratio Lower Upper

225 100

223 54.3 31.6 95.0

227 52.7 32.9 98.6

