

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047163.D
 Acq On : 28 Jul 2025 14:24
 Operator : JC/MD
 Sample : Q2691-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 295

Quant Time: Jul 29 02:17:01 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)

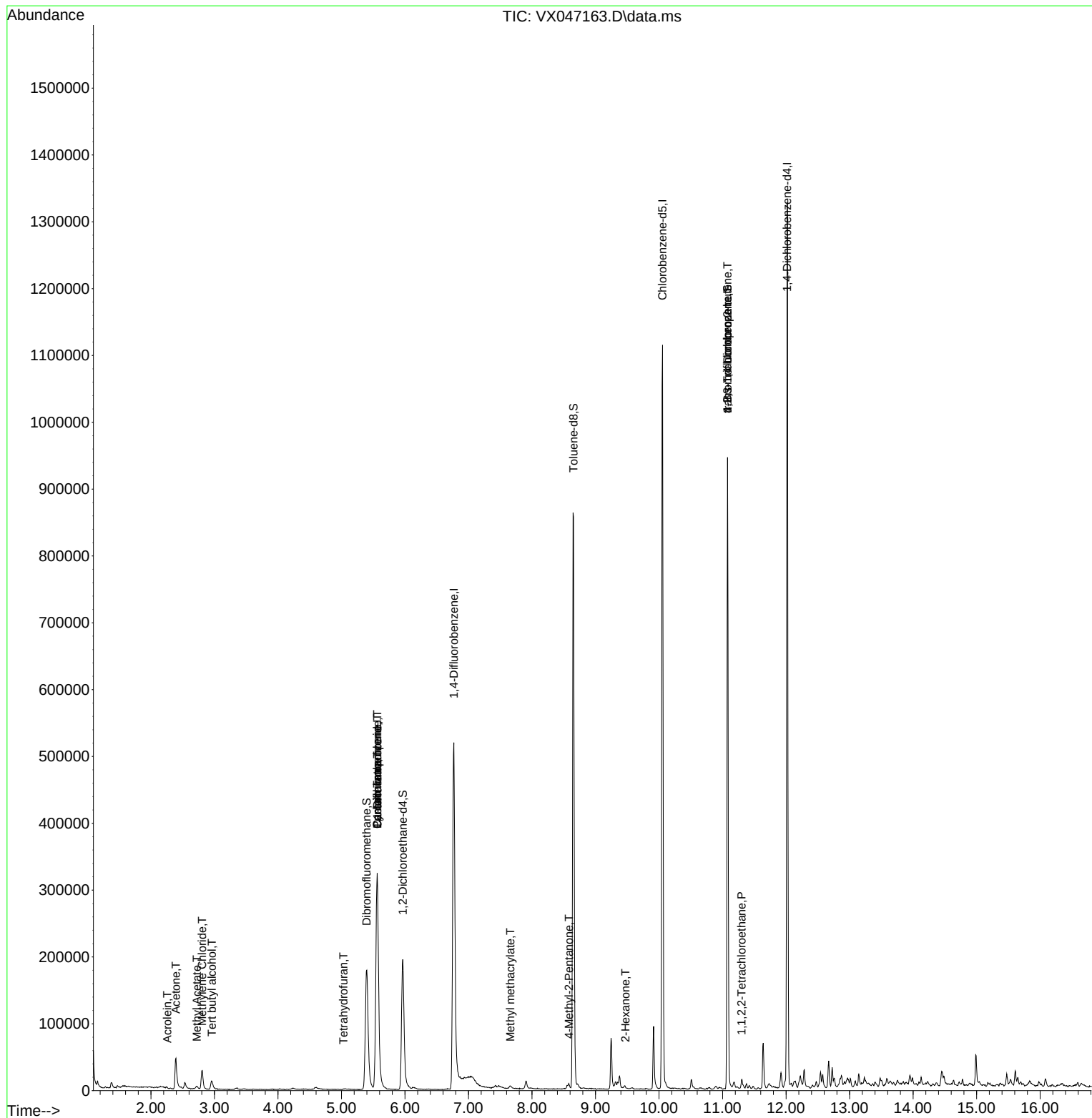
Internal Standards						
1) Pentafluorobenzene	5.562	168	324916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	555805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	506145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	258413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	205455	50.762	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 101.520%		
35) Dibromofluoromethane	5.397	113	175878	51.251	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.500%		
50) Toluene-d8	8.653	98	535633	48.196	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 96.400%		
62) 4-Bromofluorobenzene	11.079	95	250113	52.223	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 104.440%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.959	59	15240	22.865	ug/l	99
13) Acrolein	2.258	56	240	0.275	ug/l	83
16) Acetone	2.392	43	65957	40.679	ug/l	98
18) Methyl Acetate	2.721	43	4184	0.971	ug/l	98
20) Methylene Chloride	2.806	84	13951	3.128	ug/l	95
29) Tetrahydrofuran	5.032	42	315	0.207	ug/l #	61
31) Cyclohexane	5.562	56	7376	0.975	ug/l #	18
36) 1,1-Dichloropropene	5.562	75	27472	4.696	ug/l #	50
38) Carbon Tetrachloride	5.562	117	35002	5.606	ug/l #	17
48) Methyl methacrylate	7.659	41	940	0.205	ug/l #	35
51) 4-Methyl-2-Pentanone	8.580	43	8470	1.696	ug/l #	72
59) 2-Hexanone	9.470	43	1913	0.580	ug/l	83
75) 1,1,2,2-Tetrachloroethane	11.299	83	4026	0.691	ug/l #	31
76) 1,2,3-Trichloropropane	11.079	75	132453	27.692	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	132453	71.345	ug/l #	8

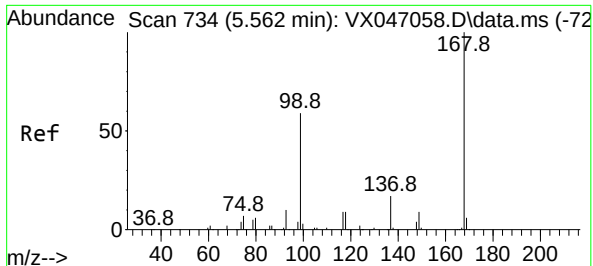
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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295

Quant Time: Jul 29 02:17:01 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

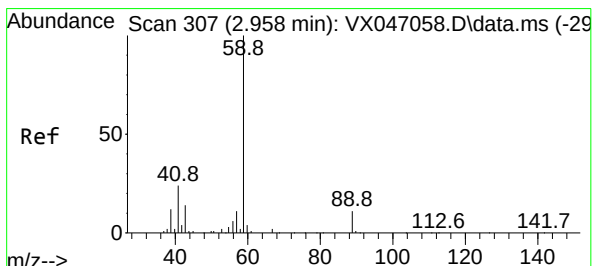
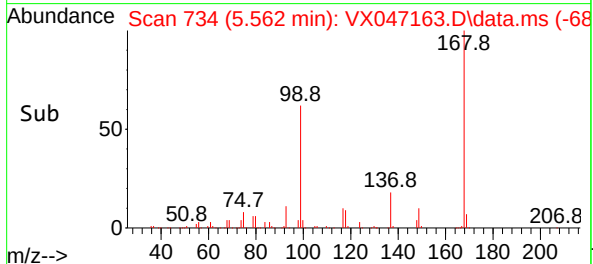
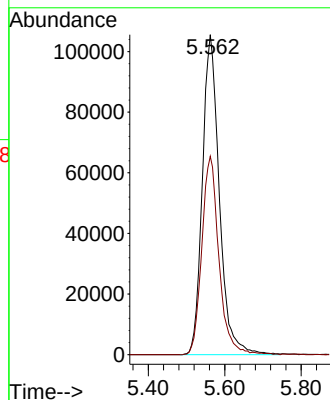
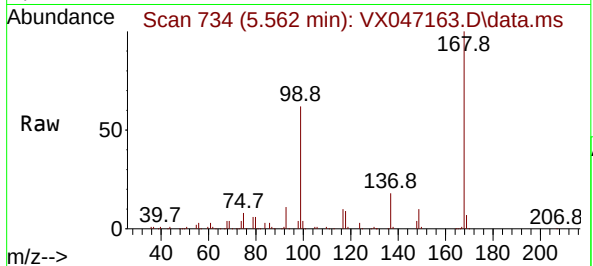




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

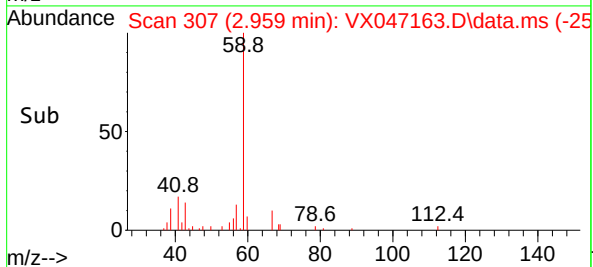
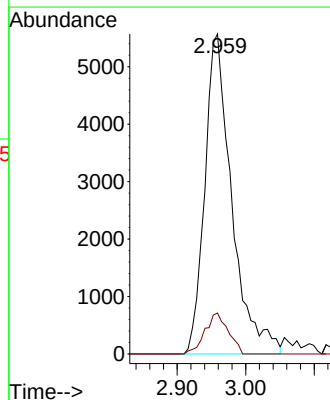
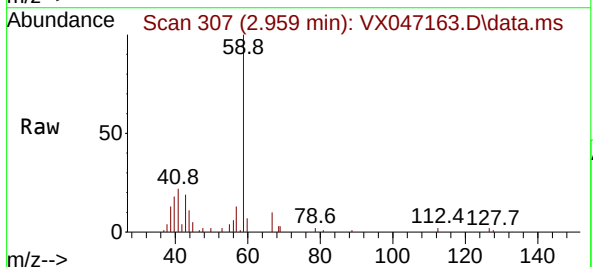
Instrument :
MSVOA_X
ClientSampleId :
295

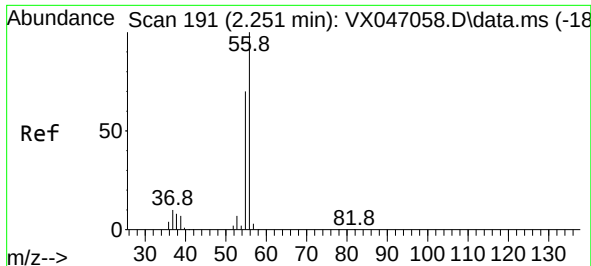
Tgt Ion:168 Resp: 324916
Ion Ratio Lower Upper
168 100
99 62.0 48.0 72.0



#11
Tert butyl alcohol
Concen: 22.865 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

Tgt Ion: 59 Resp: 15240
Ion Ratio Lower Upper
59 100
57 11.0 8.5 12.7

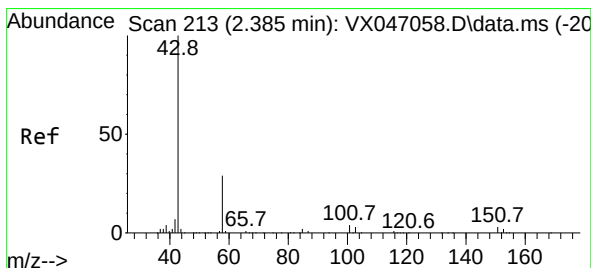
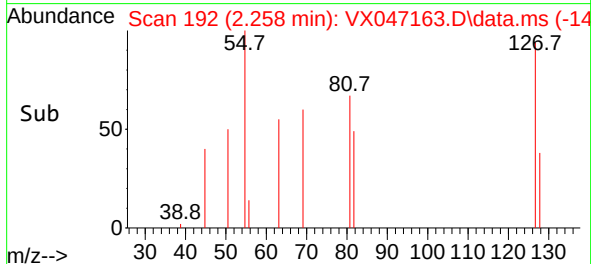
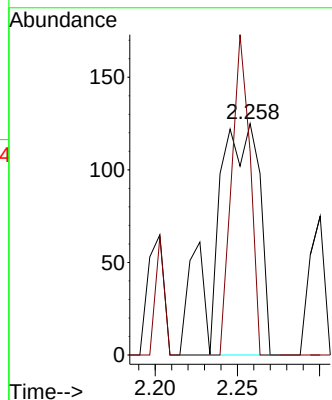
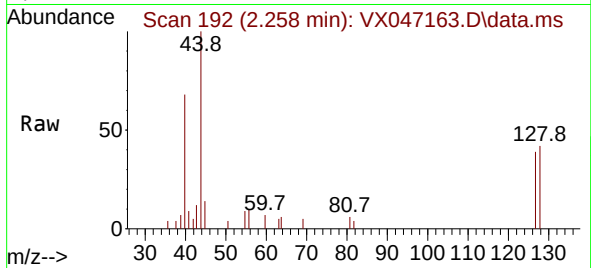




#13
Acrolein
Concen: 0.275 ug/l
RT: 2.258 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

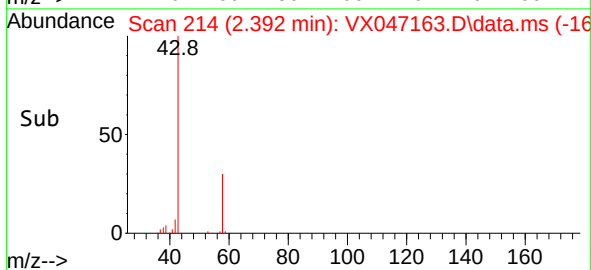
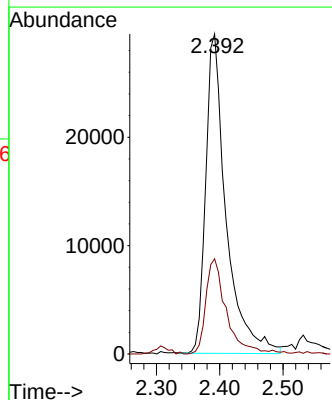
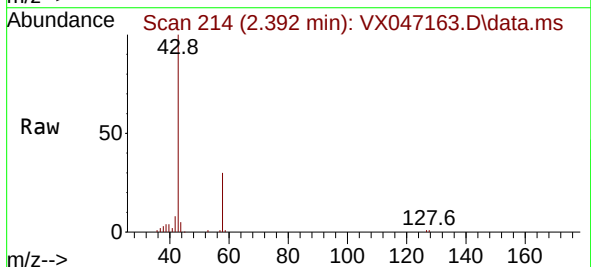
Instrument :
MSVOA_X
ClientSampleId :
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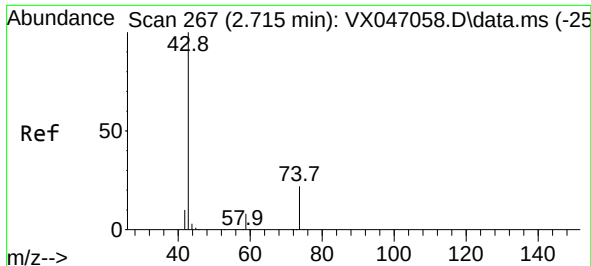
Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 55.8 55.7 83.5



#16
Acetone
Concen: 40.679 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

Tgt Ion: 43 Resp: 65957
Ion Ratio Lower Upper
43 100
58 29.0 24.0 36.0

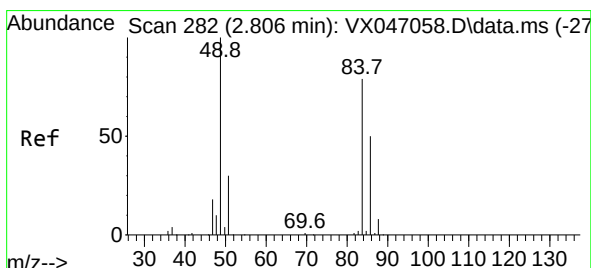
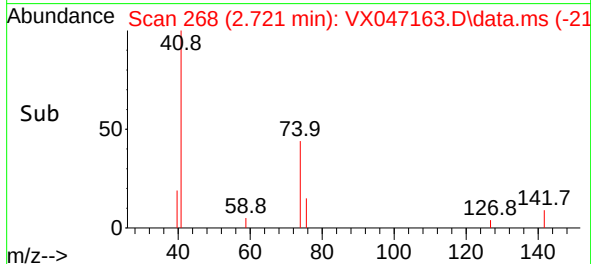
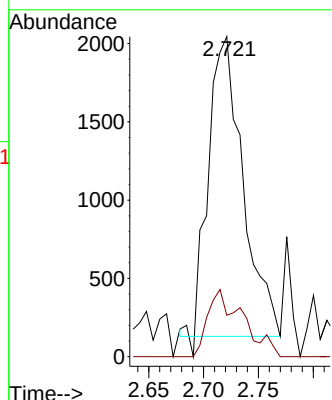
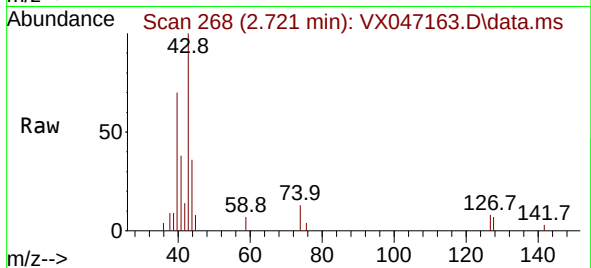




#18
Methyl Acetate
Concen: 0.971 ug/l
RT: 2.721 min Scan# 209
Delta R.T. 0.006 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

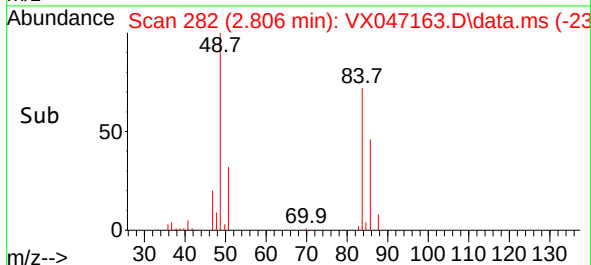
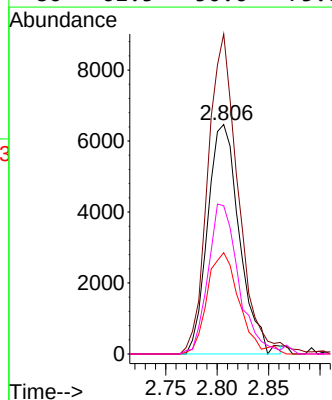
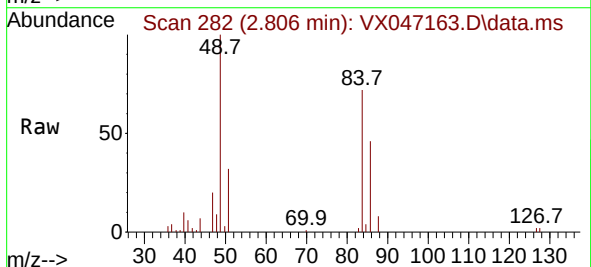
Instrument :
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ClientSampleId :
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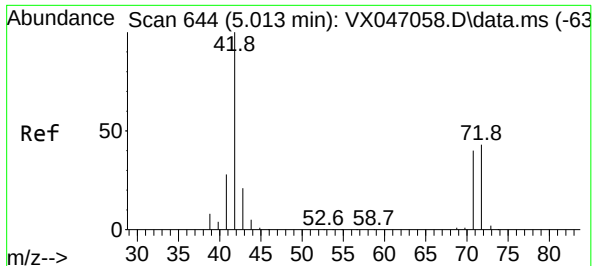
Tgt Ion: 43 Resp: 4184
Ion Ratio Lower Upper
43 100
74 22.9 17.7 26.5



#20
Methylene Chloride
Concen: 3.128 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

Tgt Ion: 84 Resp: 13951
Ion Ratio Lower Upper
84 100
49 132.9 101.6 152.4
51 42.1 30.3 45.5
86 61.5 50.6 75.8





#29

Tetrahydrofuran

Concen: 0.207 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX047163.D

Acq: 28 Jul 2025 14:24

Instrument :

MSVOA_X

ClientSampleId :

295

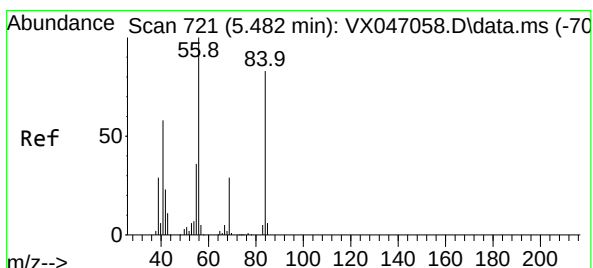
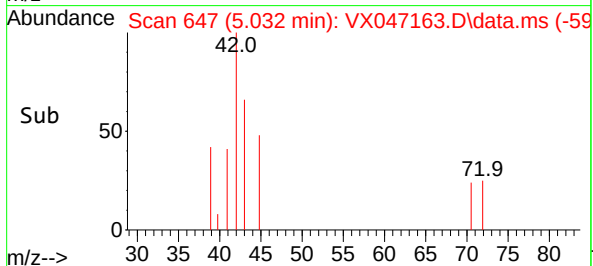
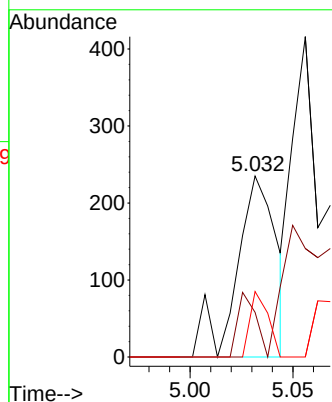
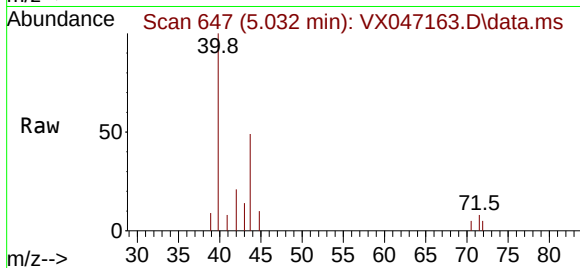
Tgt Ion: 42 Resp: 315

Ion Ratio Lower Upper

42 100

72 16.5 33.7 50.5#

71 16.5 31.0 46.4#



#31

Cyclohexane

Concen: 0.975 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.080 min

Lab File: VX047163.D

Acq: 28 Jul 2025 14:24

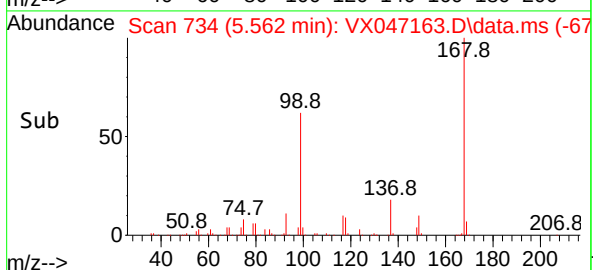
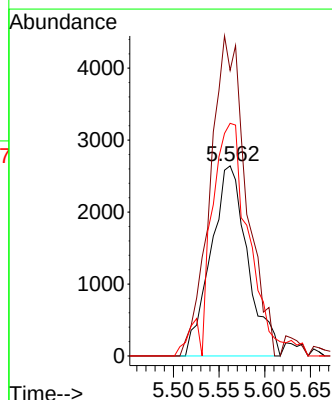
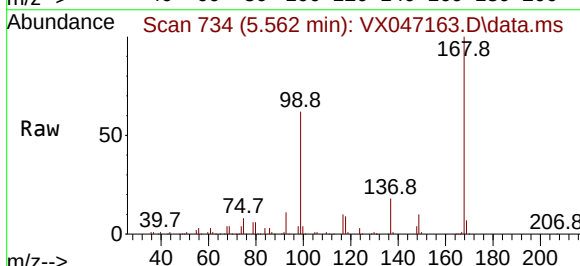
Tgt Ion: 56 Resp: 7376

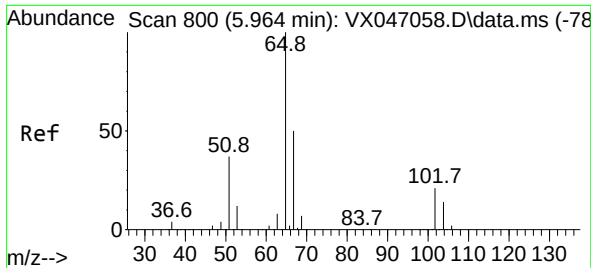
Ion Ratio Lower Upper

56 100

69 145.6 23.3 34.9#

84 113.8 66.5 99.7#

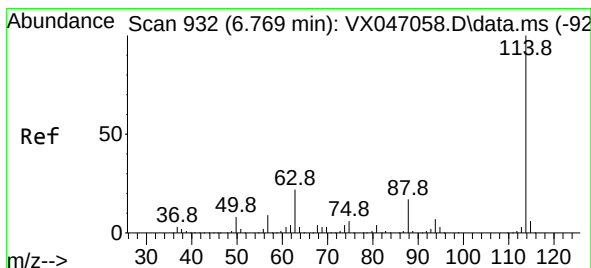
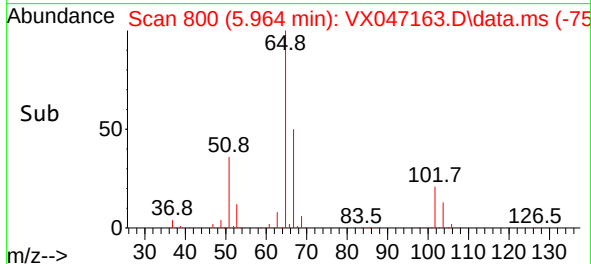
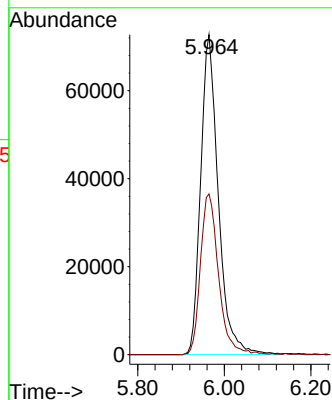
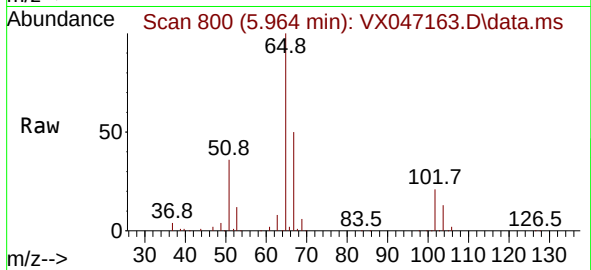




#33
 1,2-Dichloroethane-d4
 Concen: 50.762 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047163.D
 Acq: 28 Jul 2025 14:24

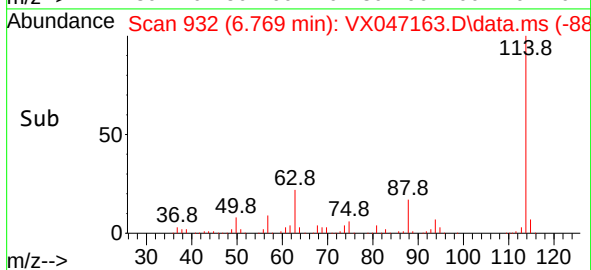
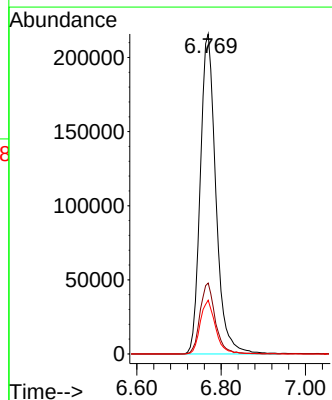
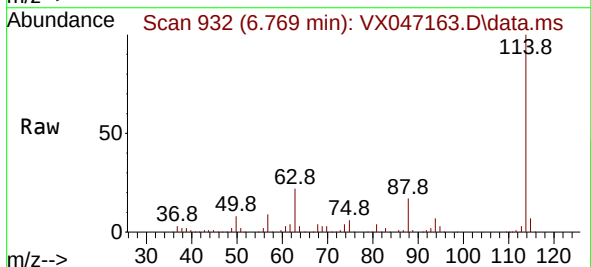
Instrument :
 MSVOA_X
 ClientSampleId :
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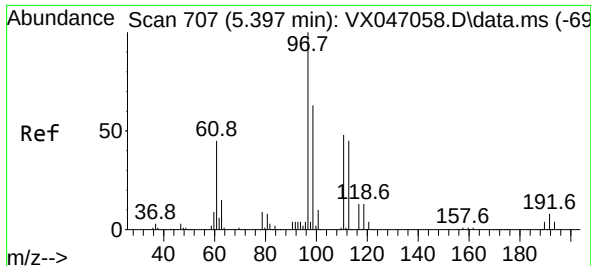
Tgt Ion: 65 Resp: 205455
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047163.D
 Acq: 28 Jul 2025 14:24

Tgt Ion: 114 Resp: 555805
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.8 0.0 33.8

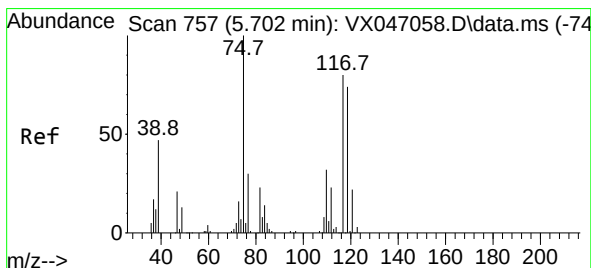
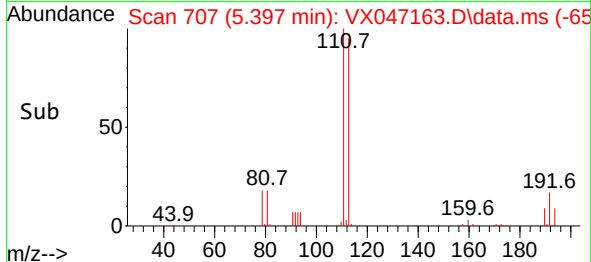
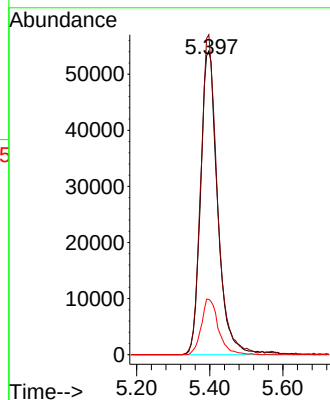
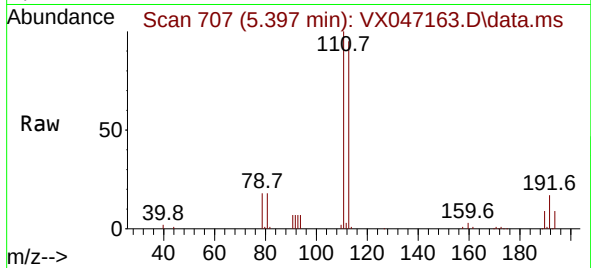




#35
Dibromofluoromethane
Concen: 51.251 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

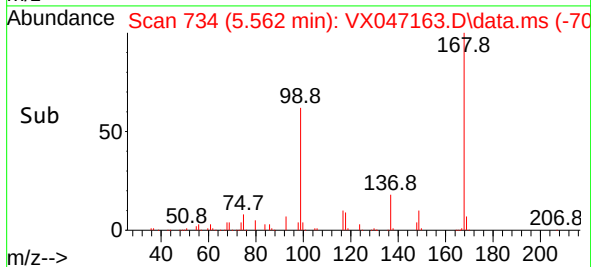
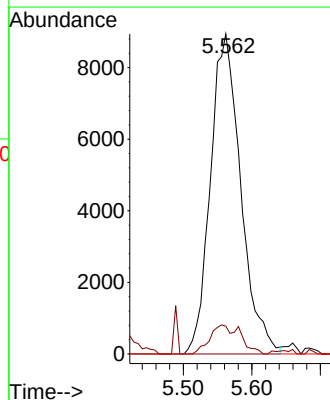
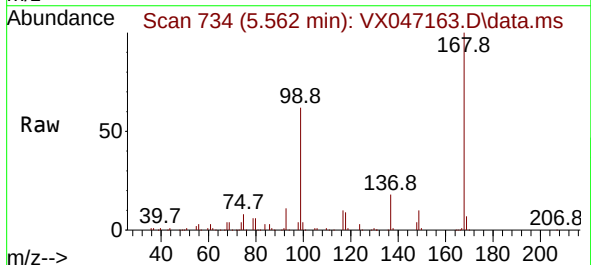
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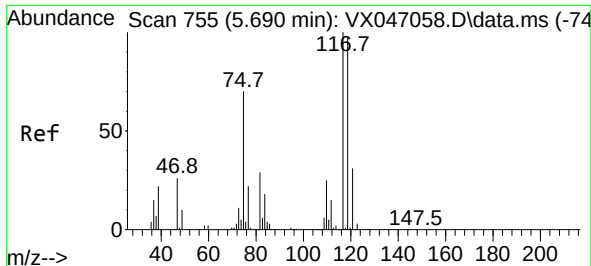
Tgt Ion:113 Resp: 175878
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 18.2 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.696 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

Tgt Ion: 75 Resp: 27472
Ion Ratio Lower Upper
75 100
110 9.2 17.2 51.5#
77 0.0 25.1 37.7#

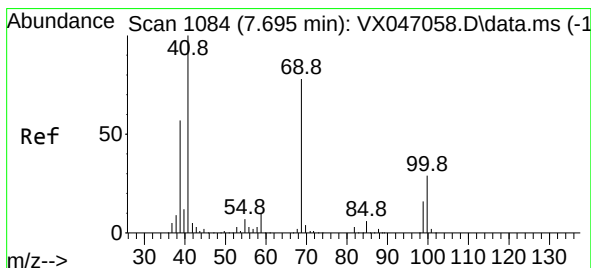
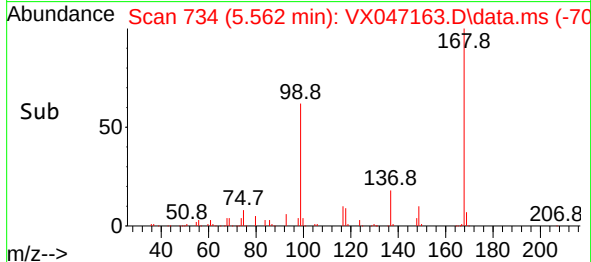
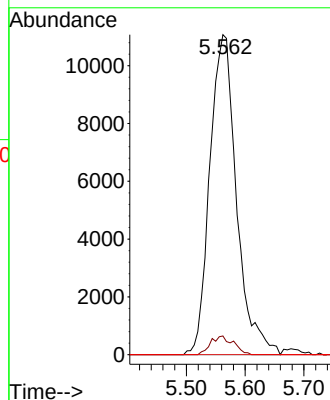
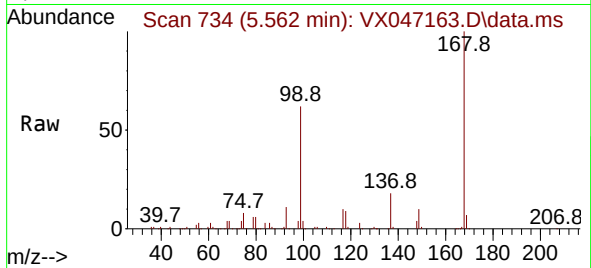




#38
Carbon Tetrachloride
Concen: 5.606 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

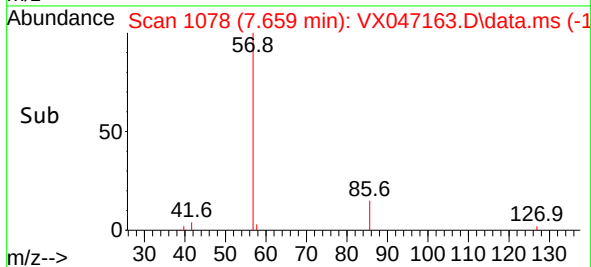
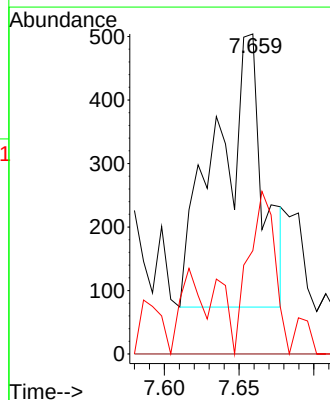
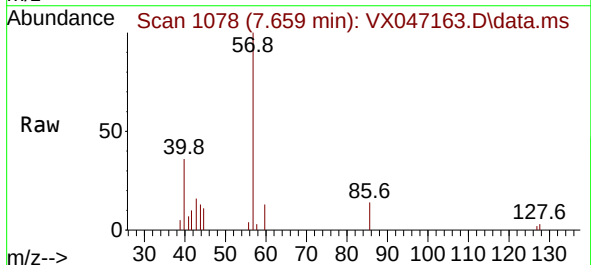
Instrument :
MSVOA_X
ClientSampleId :
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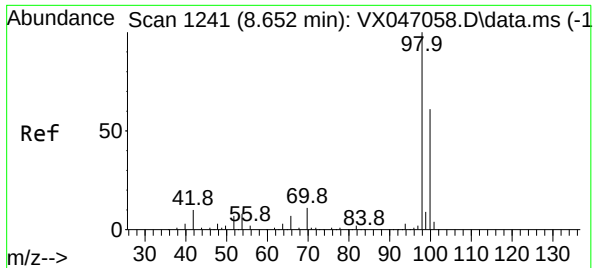
Tgt Ion:117 Resp: 35002
Ion Ratio Lower Upper
117 100
119 5.9 76.6 115.0#
121 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 0.205 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. -0.036 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

Tgt Ion: 41 Resp: 940
Ion Ratio Lower Upper
41 100
69 0.0 62.3 93.5#
39 33.2 44.8 67.2#

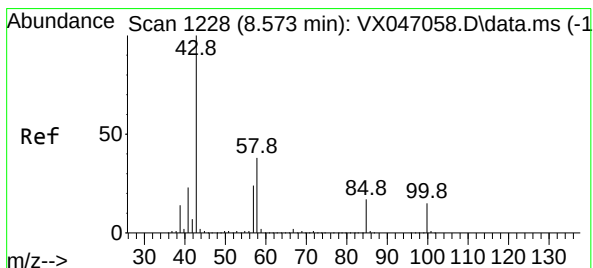
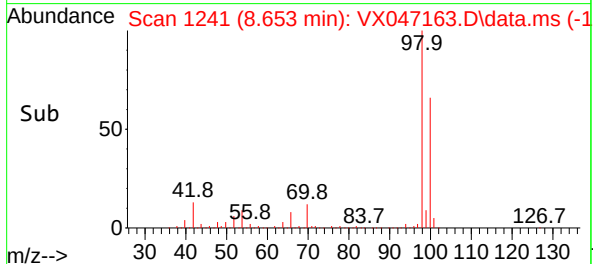
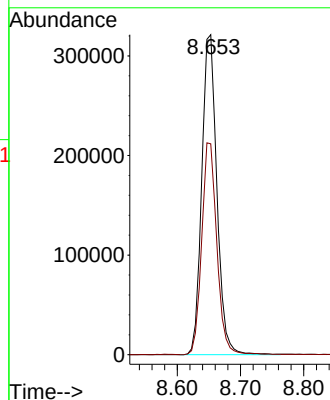
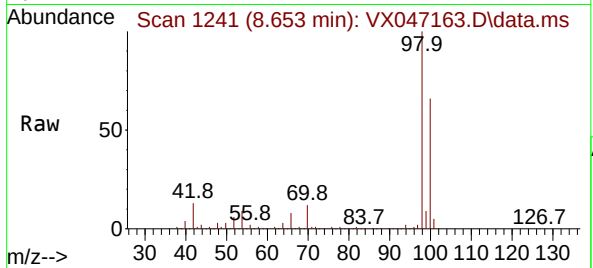




#50
Toluene-d8
Concen: 48.196 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

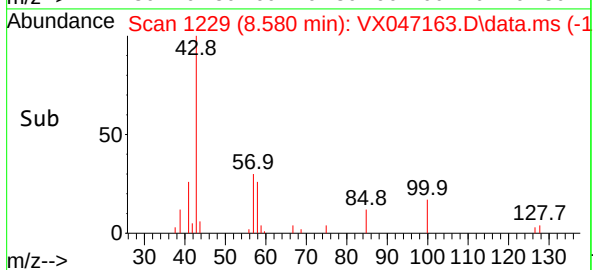
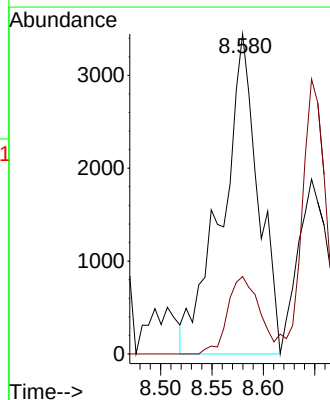
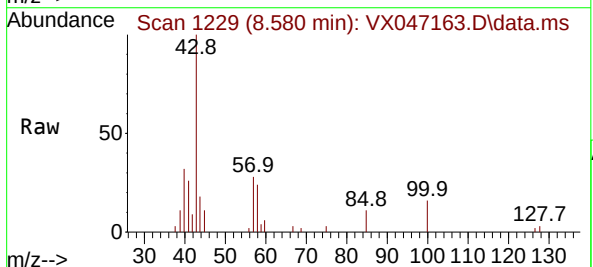
Instrument :
MSVOA_X
ClientSampleId :
295

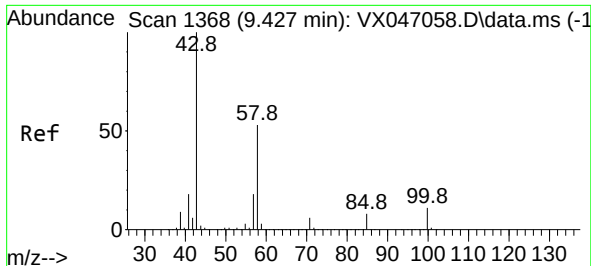
Tgt Ion: 98 Resp: 535633
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 1.696 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

Tgt Ion: 43 Resp: 8470
Ion Ratio Lower Upper
43 100
58 21.0 30.6 45.8#

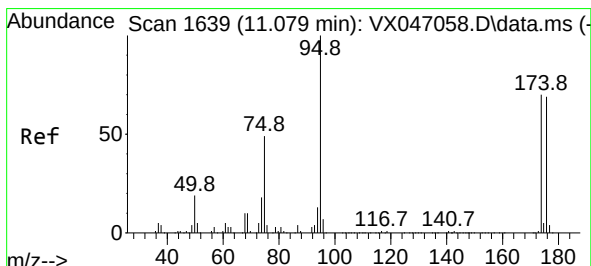
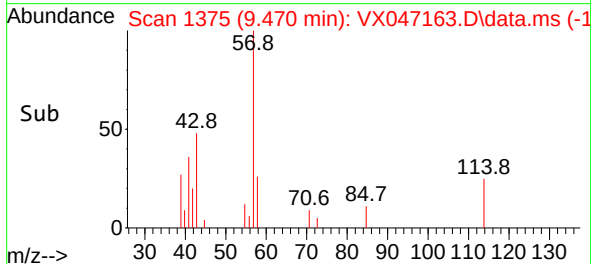
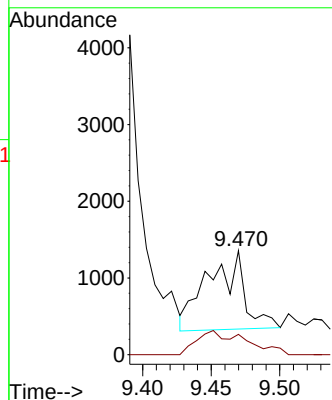
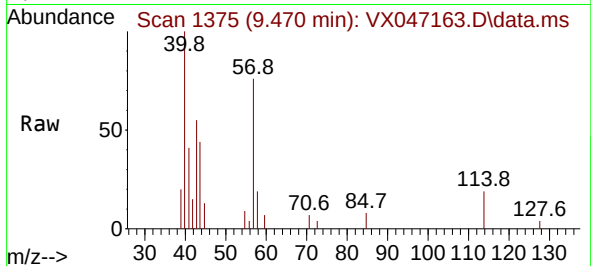




#59
2-Hexanone
Concen: 0.580 ug/l
RT: 9.470 min Scan# 11
Delta R.T. 0.043 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

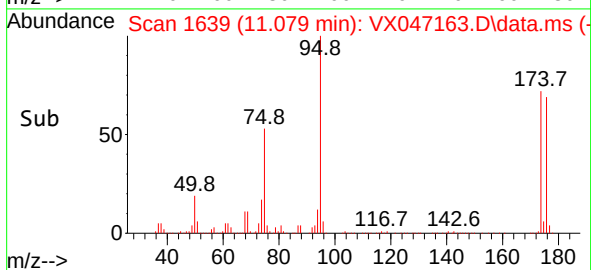
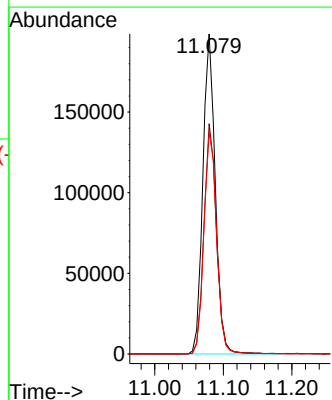
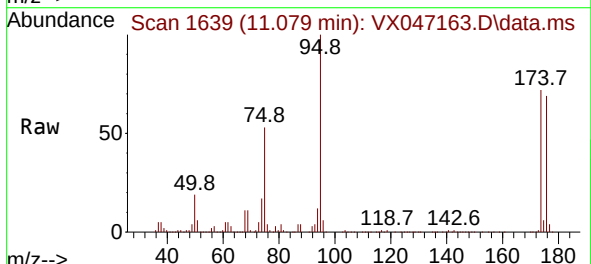
Instrument :
MSVOA_X
ClientSampleId :
295

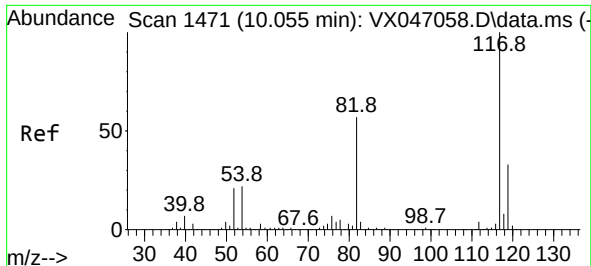
Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
58 40.8 26.5 79.5



#62
4-Bromofluorobenzene
Concen: 52.223 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

Tgt Ion: 95 Resp: 250113
Ion Ratio Lower Upper
95 100
174 72.6 0.0 144.6
176 71.0 0.0 139.6

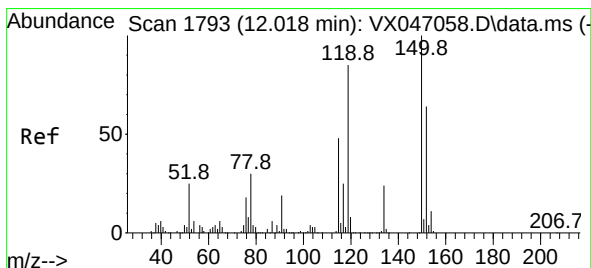
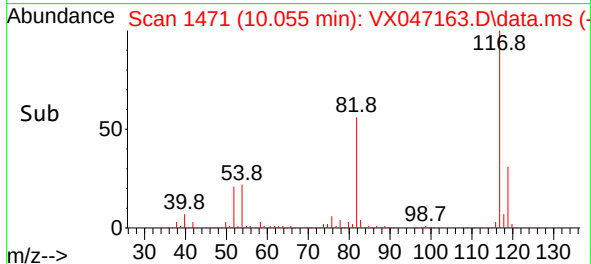
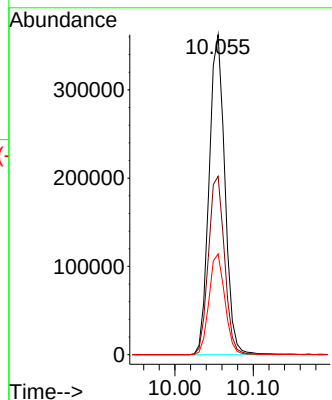
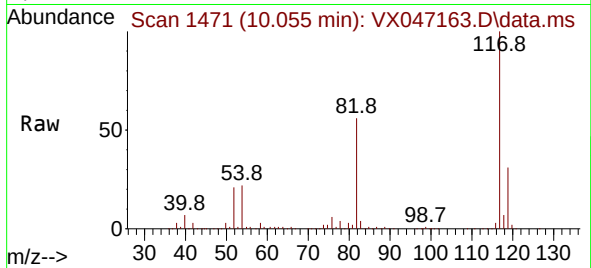




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

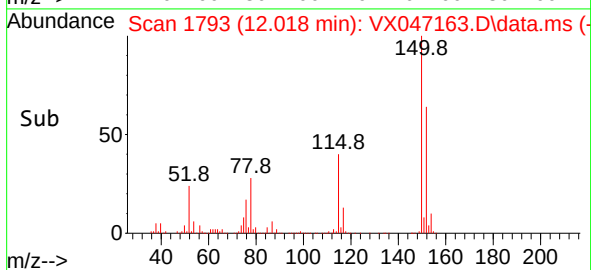
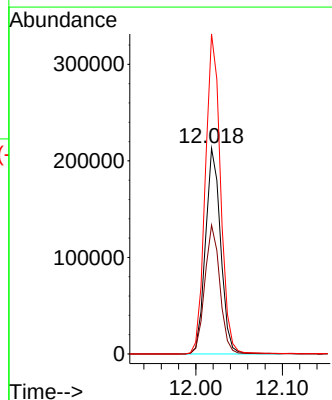
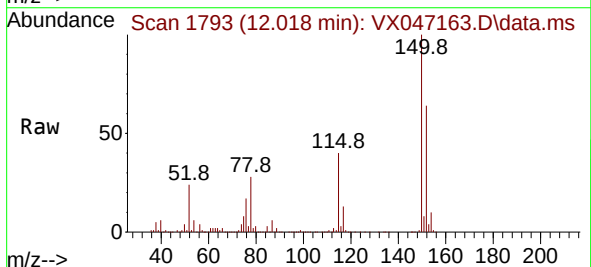
Instrument :
MSVOA_X
ClientSampleId :
295

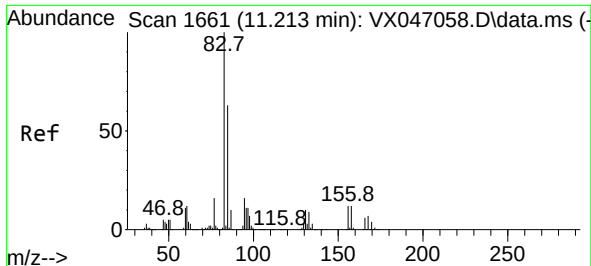
Tgt Ion:117 Resp: 506145
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.2
119 31.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047163.D
Acq: 28 Jul 2025 14:24

Tgt Ion:152 Resp: 258413
Ion Ratio Lower Upper
152 100
115 62.6 45.6 136.7
150 156.4 0.0 354.6

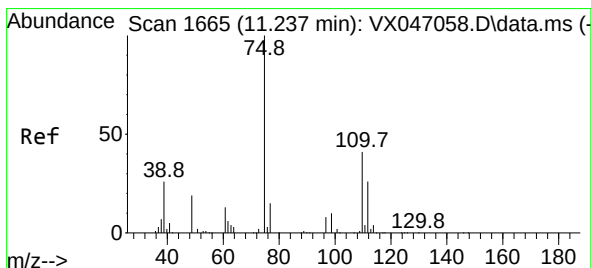
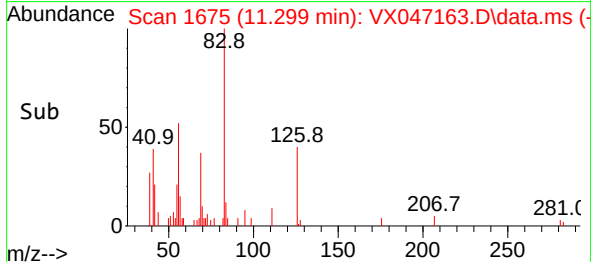
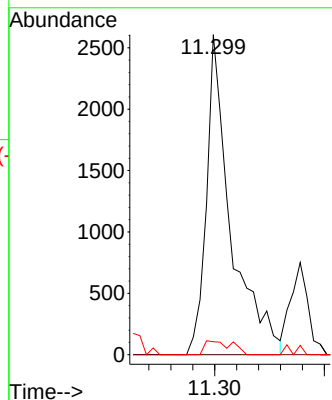
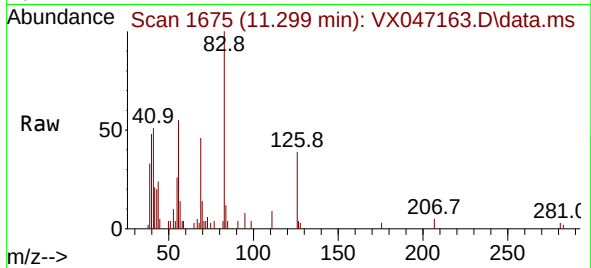




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.691 ug/l
 RT: 11.299 min Scan# 1675
 Delta R.T. 0.086 min
 Lab File: VX047163.D
 Acq: 28 Jul 2025 14:24

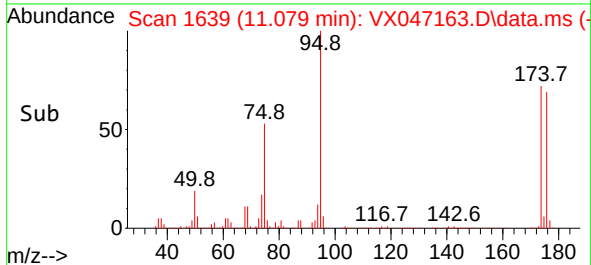
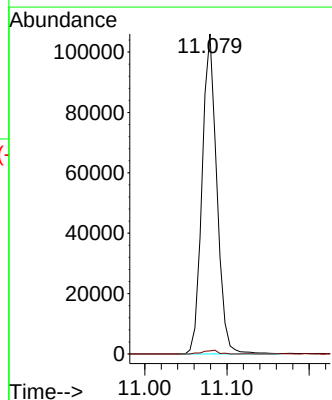
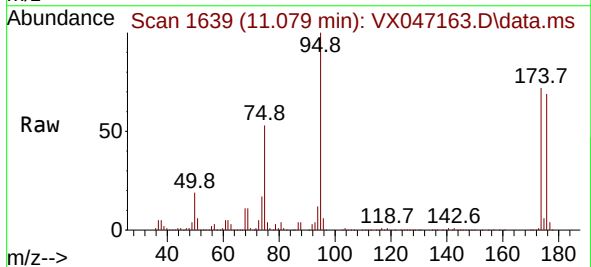
Instrument :
 MSVOA_X
 ClientSampleId :
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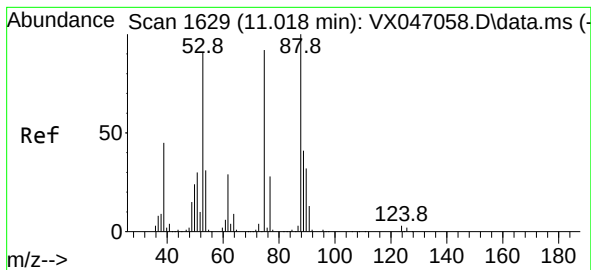
Tgt Ion: 83 Resp: 4026
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 14.9#
 85 4.8 32.0 96.2#



#76
 1,2,3-Trichloropropane
 Concen: 27.692 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047163.D
 Acq: 28 Jul 2025 14:24

Tgt Ion: 75 Resp: 132453
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 65.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.345 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047163.D
 Acq: 28 Jul 2025 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 295

Tgt Ion: 75 Resp: 132453
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.2 126.4#
 89 0.0 36.0 54.0#

