

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046886.D
 Acq On : 03 Jul 2025 14:37
 Operator : JC/MD
 Sample : Q2503-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP2W

Quant Time: Jul 04 01:32:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

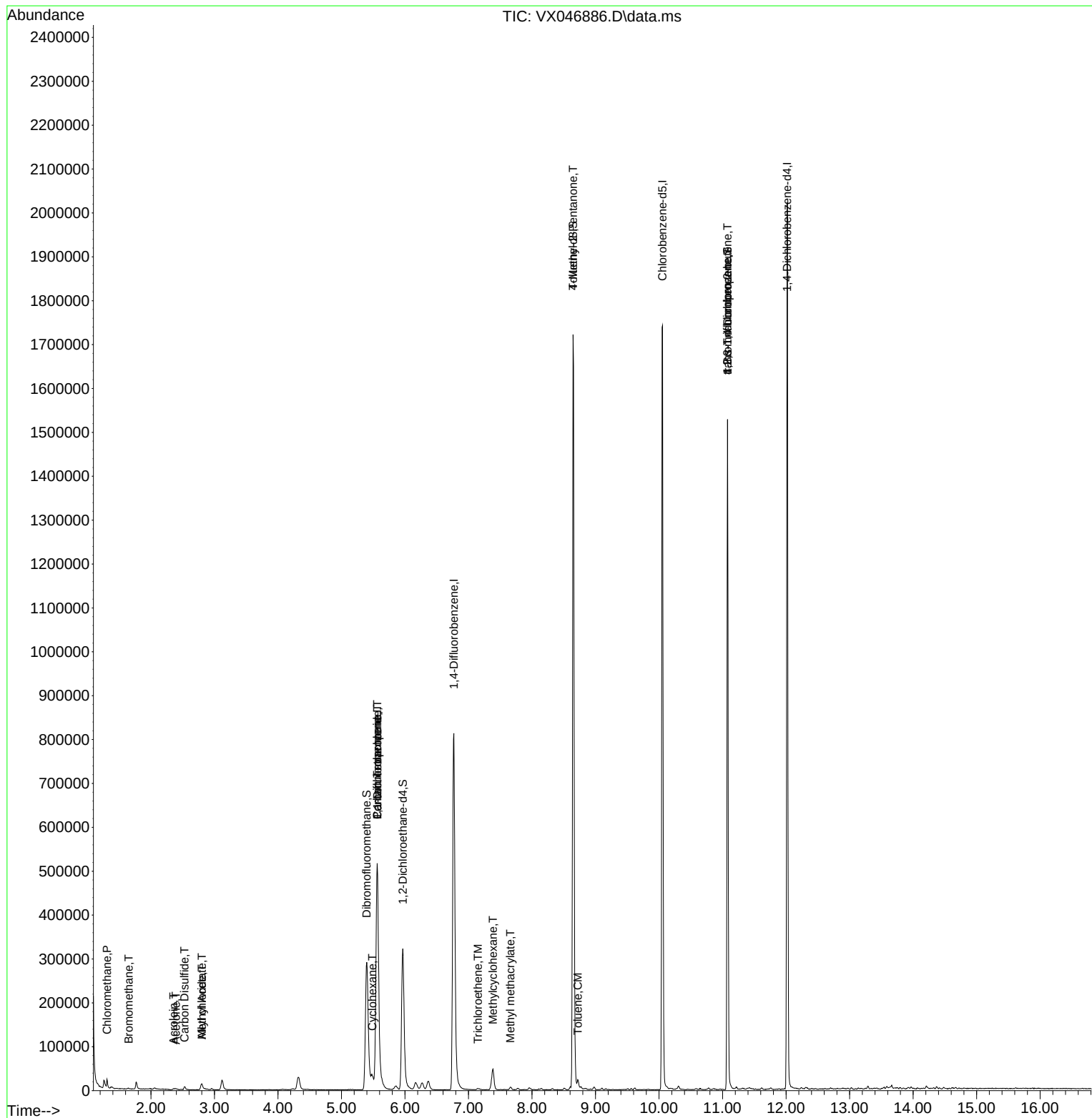
Internal Standards						
1) Pentafluorobenzene	5.562	168	529972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	893199	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	813566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	408234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	335135	47.867	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.740%
35) Dibromofluoromethane	5.397	113	285078	47.019	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.040%
50) Toluene-d8	8.647	98	1067887	49.920	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.840%
62) 4-Bromofluorobenzene	11.079	95	407032	50.065	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.120%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	13721	2.478	ug/l	96
5) Bromomethane	1.648	94	890	0.230	ug/l #	80
13) Acrolein	2.355	56	410	3.634	ug/l #	61
14) Allyl chloride	2.800	41	4987	0.487	ug/l #	64
16) Acetone	2.392	43	3583	1.648	ug/l #	76
17) Carbon Disulfide	2.526	76	7893	0.524	ug/l	96
18) Methyl Acetate	2.800	43	12157	2.121	ug/l #	53
31) Cyclohexane	5.483	56	18536	1.852	ug/l	99
36) 1,1-Dichloropropene	5.562	75	41128	5.028	ug/l #	51
38) Carbon Tetrachloride	5.562	117	53219	6.154	ug/l #	16
39) Methylcyclohexane	7.385	83	20561	2.009	ug/l	99
44) Trichloroethene	7.147	130	1373	0.213	ug/l	97
48) Methyl methacrylate	7.659	41	1919	0.348	ug/l #	69
51) 4-Methyl-2-Pentanone	8.647	43	5420	0.861	ug/l #	1
52) Toluene	8.720	92	7353	0.480	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	205497	32.578	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	205497	87.424	ug/l #	8

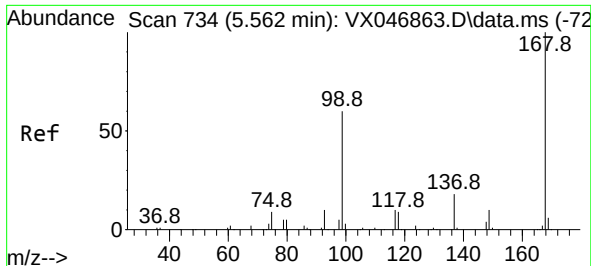
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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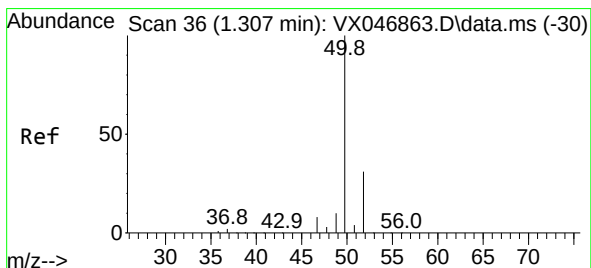
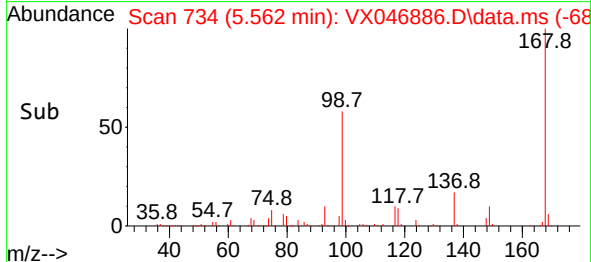
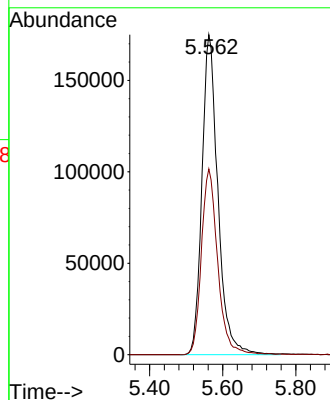
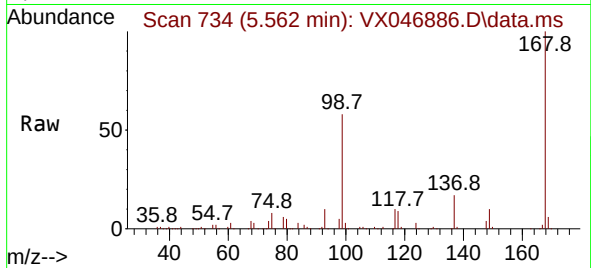




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

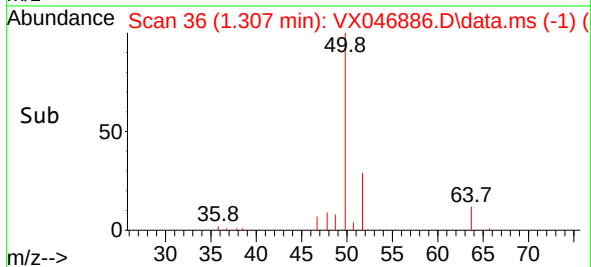
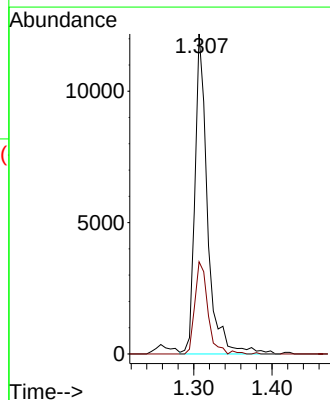
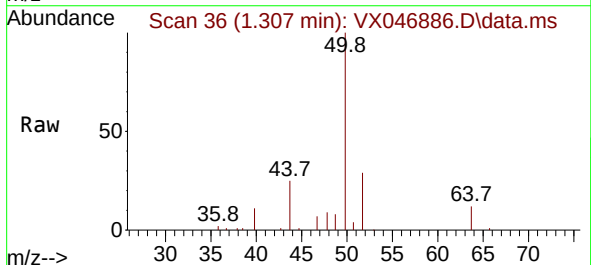
Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

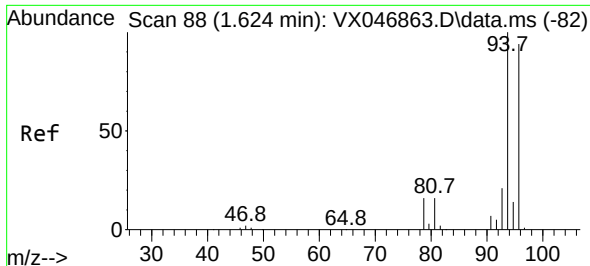
Tgt Ion:168 Resp: 529972
Ion Ratio Lower Upper
168 100
99 58.1 48.8 73.2



#3
Chloromethane
Concen: 2.478 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 50 Resp: 13721
Ion Ratio Lower Upper
50 100
52 28.8 25.0 37.4

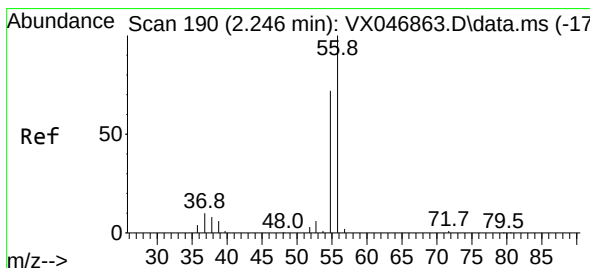
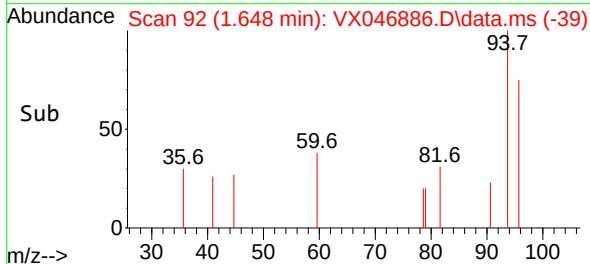
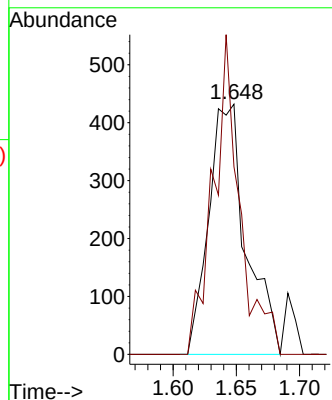
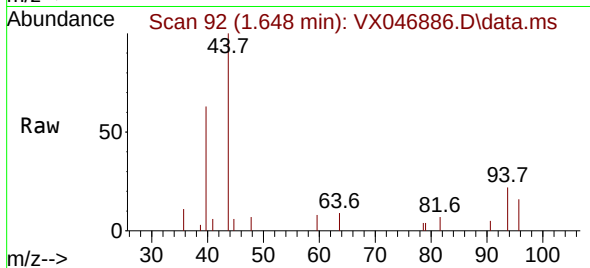




#5
Bromomethane
Concen: 0.230 ug/l
RT: 1.648 min Scan# 91
Delta R.T. 0.024 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

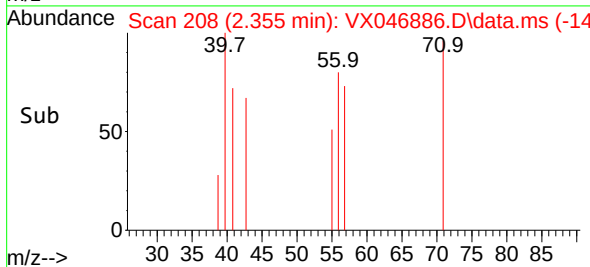
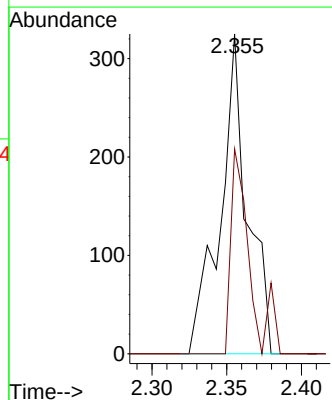
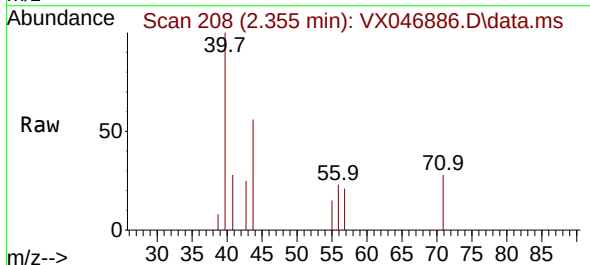
Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

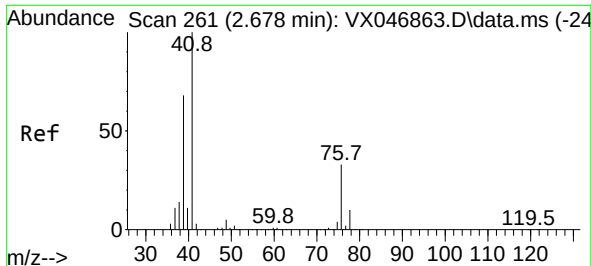
Tgt Ion: 94 Resp: 890
Ion Ratio Lower Upper
94 100
96 75.0 75.5 113.3#



#13
Acrolein
Concen: 3.634 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.109 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 56 Resp: 410
Ion Ratio Lower Upper
56 100
55 37.3 55.5 83.3#

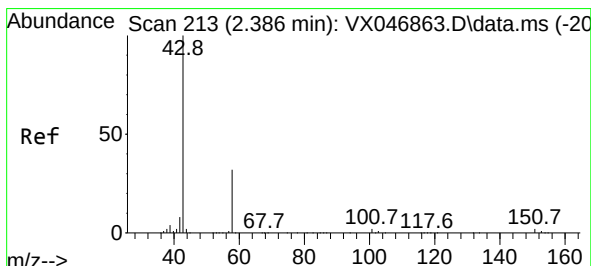
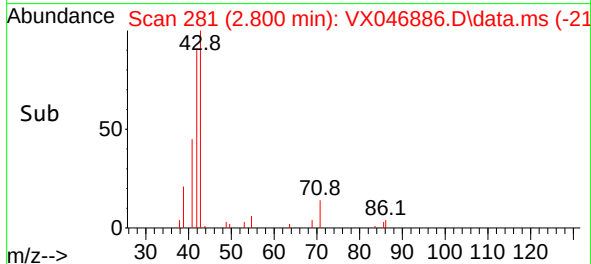
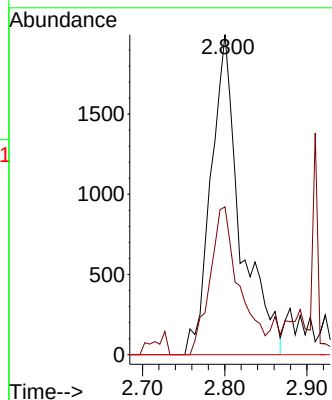
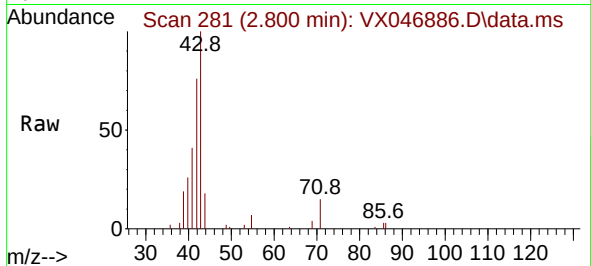




#14
 Allyl chloride
 Concen: 0.487 ug/l
 RT: 2.800 min Scan# 214
 Delta R.T. 0.122 min
 Lab File: VX046886.D
 Acq: 03 Jul 2025 14:37

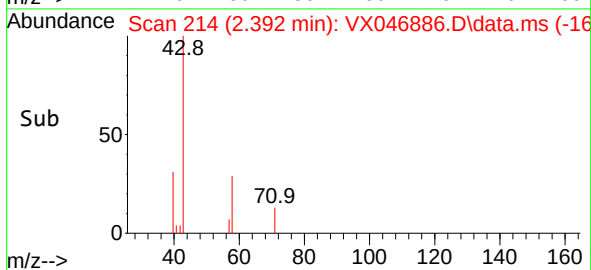
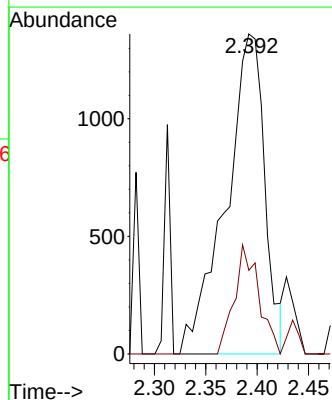
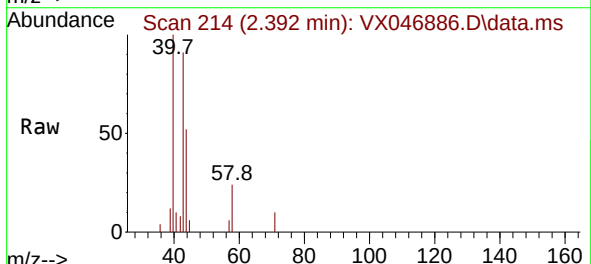
Instrument :
 MSVOA_X
 ClientSampleId :
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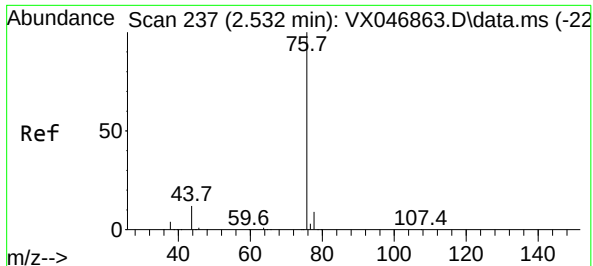
Tgt Ion: 41 Resp: 4987
 Ion Ratio Lower Upper
 41 100
 39 45.8 52.0 78.0#
 76 0.0 26.2 39.2#



#16
 Acetone
 Concen: 1.648 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. 0.006 min
 Lab File: VX046886.D
 Acq: 03 Jul 2025 14:37

Tgt Ion: 43 Resp: 3583
 Ion Ratio Lower Upper
 43 100
 58 18.5 25.8 38.6#

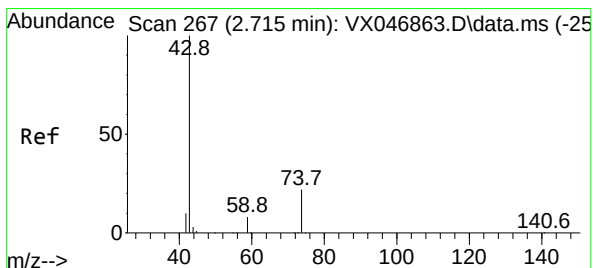
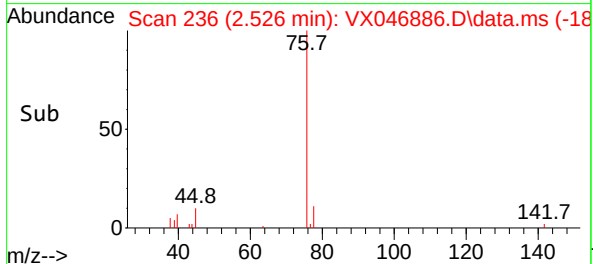
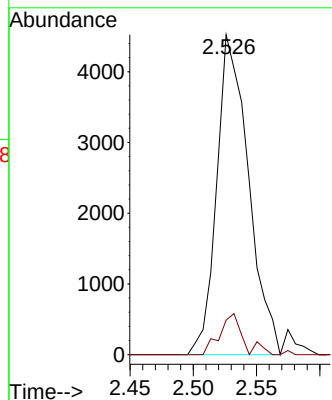
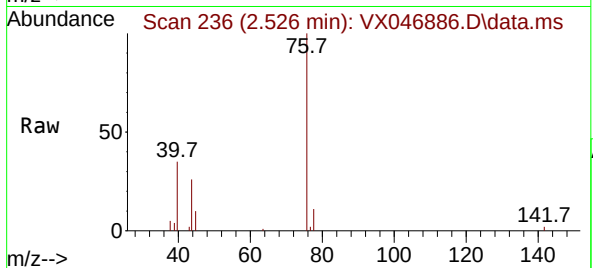




#17
Carbon Disulfide
Concen: 0.524 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

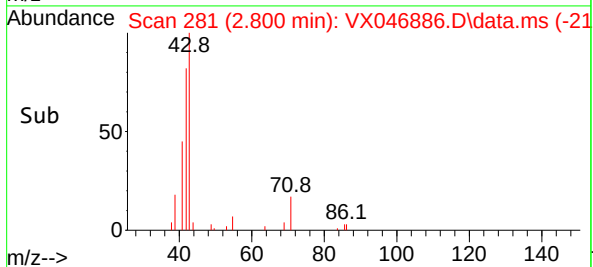
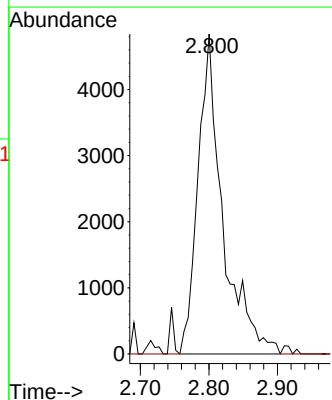
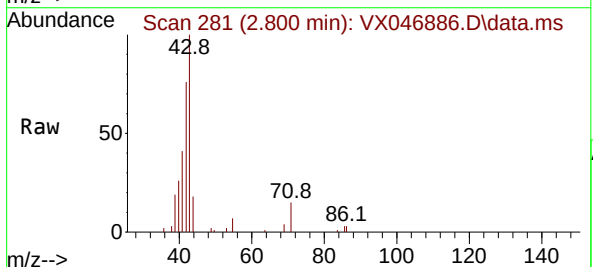
Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

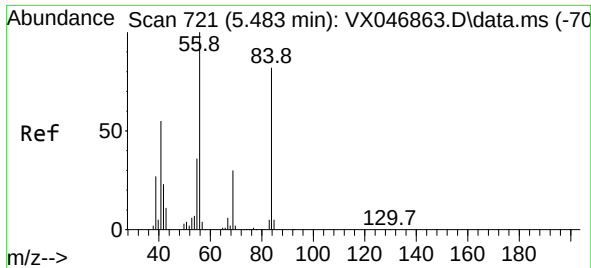
Tgt Ion: 76 Resp: 7893
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.2



#18
Methyl Acetate
Concen: 2.121 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.085 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 43 Resp: 12157
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#

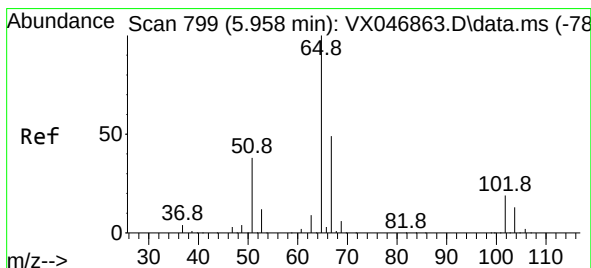
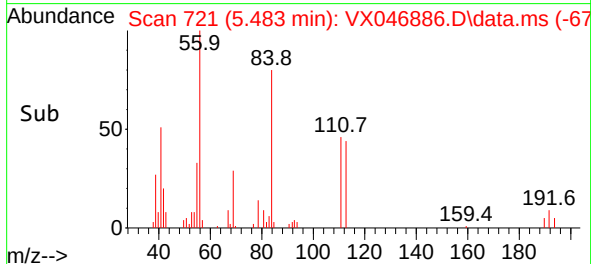
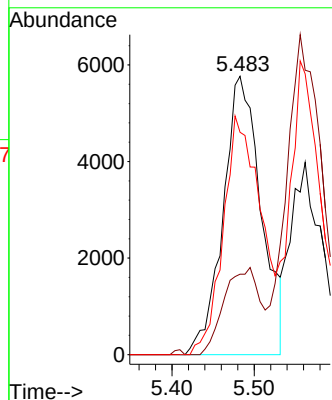
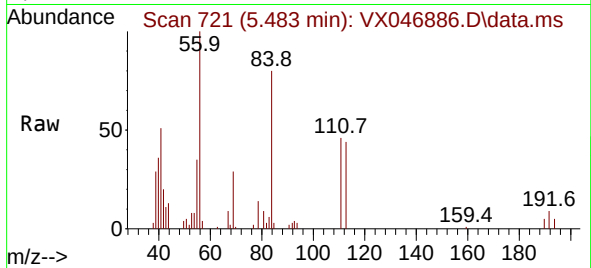




#31
Cyclohexane
Concen: 1.852 ug/l
RT: 5.483 min Scan# 721
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

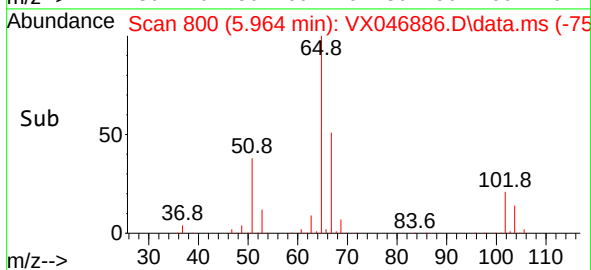
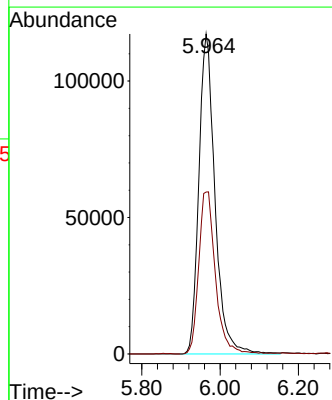
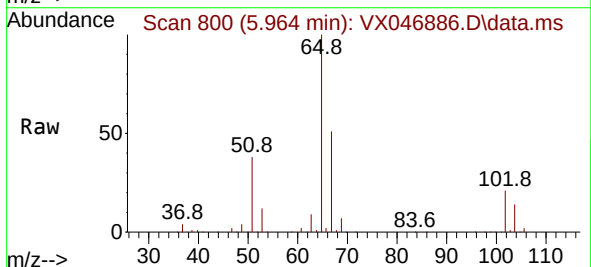
Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

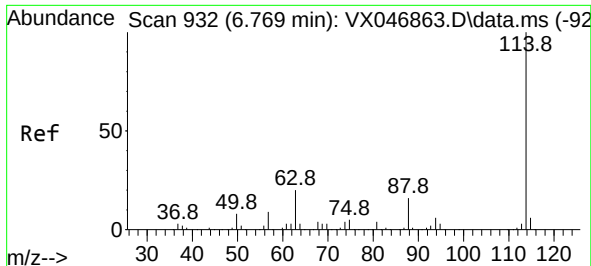
Tgt Ion: 56 Resp: 18536
Ion Ratio Lower Upper
56 100
69 27.2 24.0 36.0
84 83.0 66.5 99.7



#33
1,2-Dichloroethane-d4
Concen: 47.867 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 65 Resp: 335135
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.2

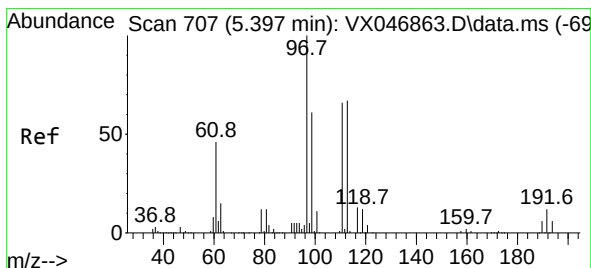
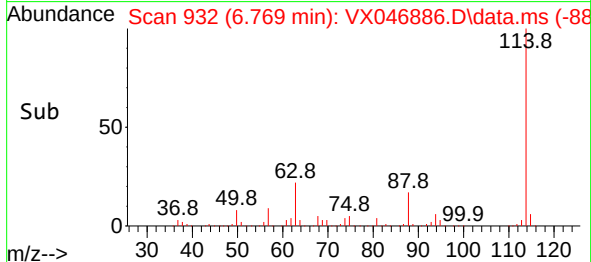
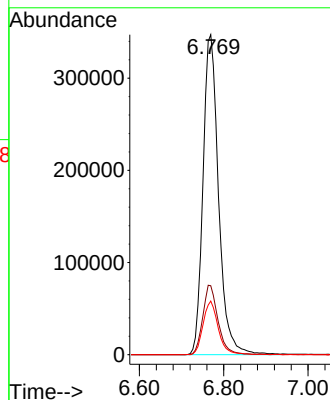
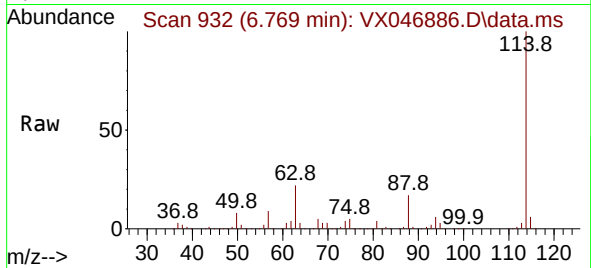




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

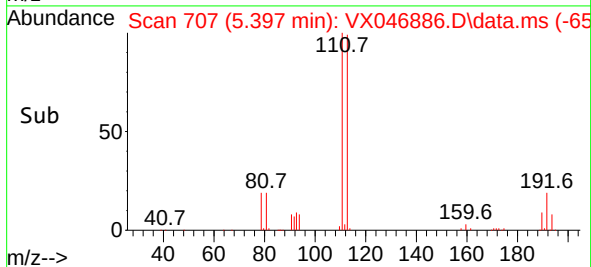
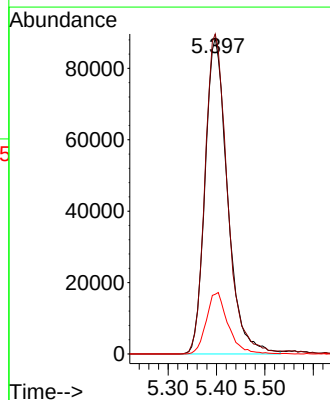
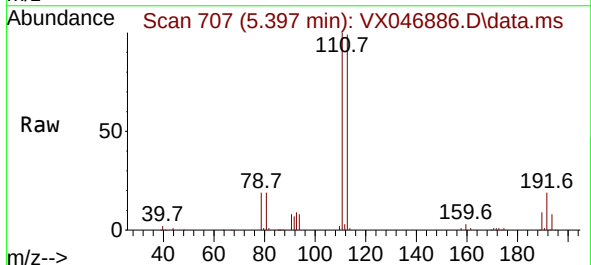
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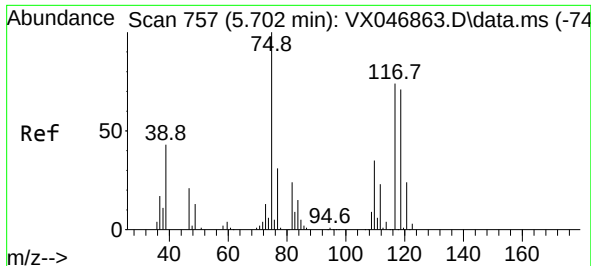
Tgt Ion:114 Resp: 893199
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.4
88 16.7 0.0 31.0



#35
Dibromofluoromethane
Concen: 47.019 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion:113 Resp: 285078
Ion Ratio Lower Upper
113 100
111 101.2 81.2 121.8
192 18.9 15.3 22.9

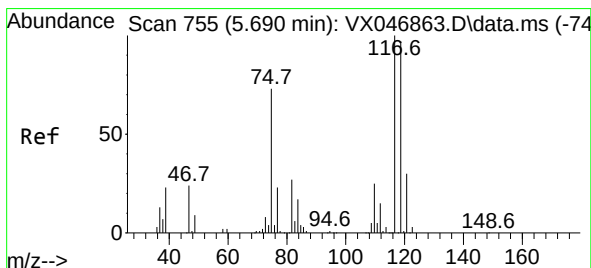
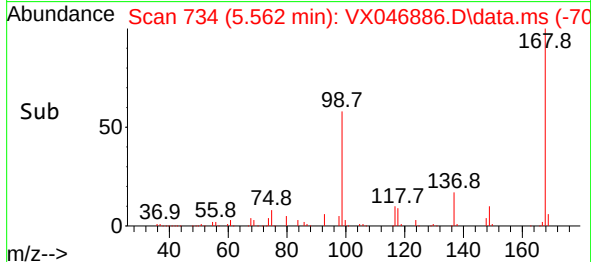
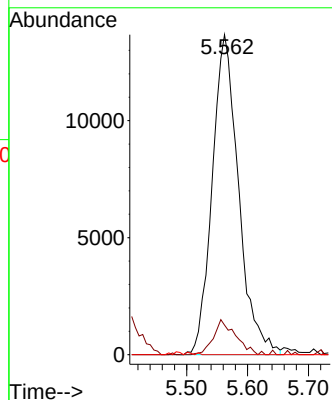
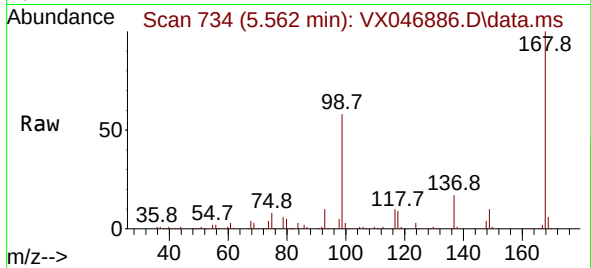




#36
1,1-Dichloropropene
Concen: 5.028 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

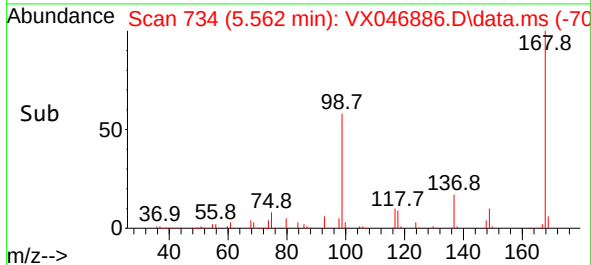
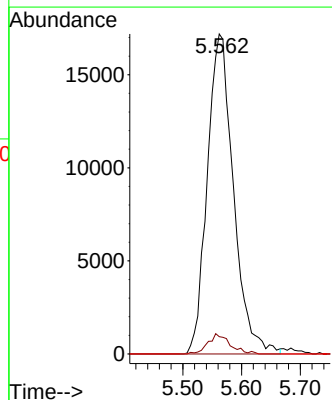
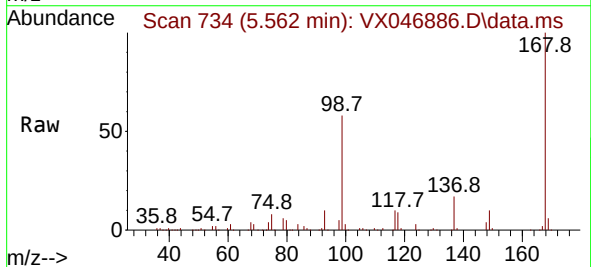
Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

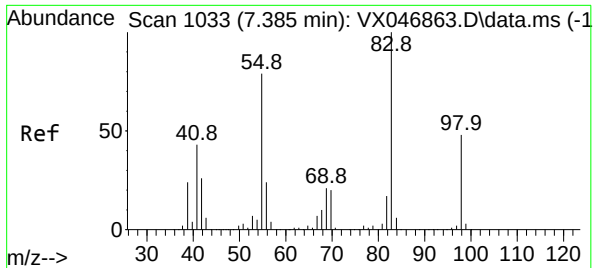
Tgt Ion: 75 Resp: 41128
Ion Ratio Lower Upper
75 100
110 9.3 17.3 51.9#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.154 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 117 Resp: 53219
Ion Ratio Lower Upper
117 100
119 5.4 76.6 114.8#
121 0.0 24.1 36.1#

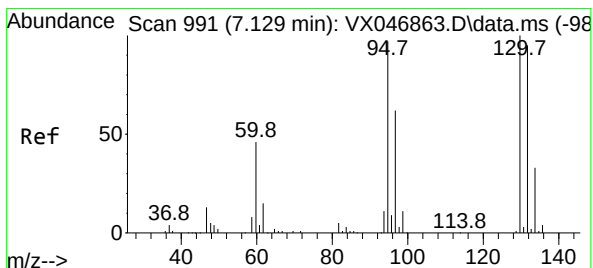
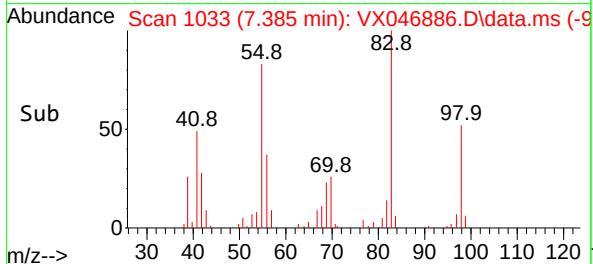
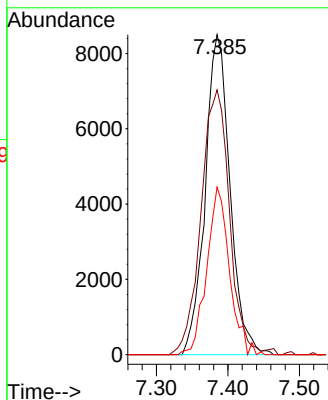
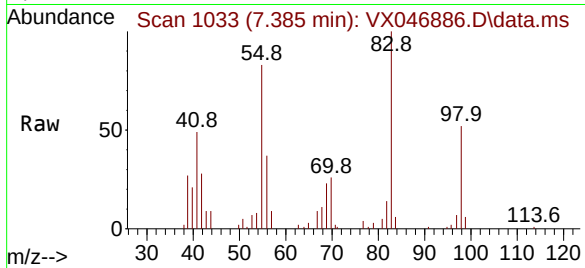




#39
Methylcyclohexane
Concen: 2.009 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

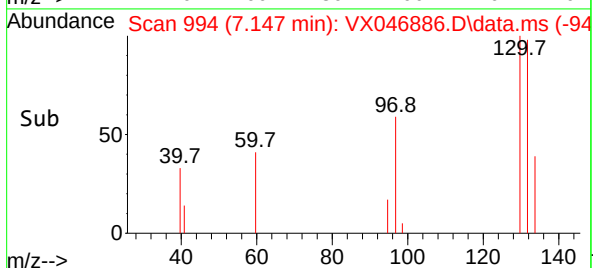
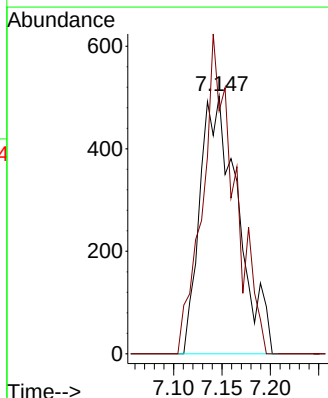
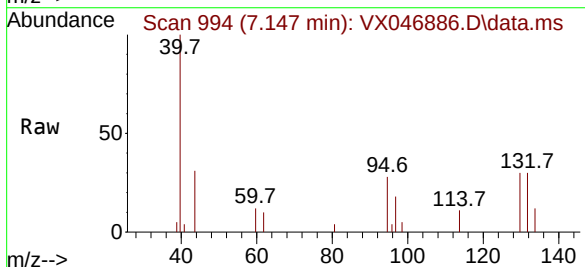
Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

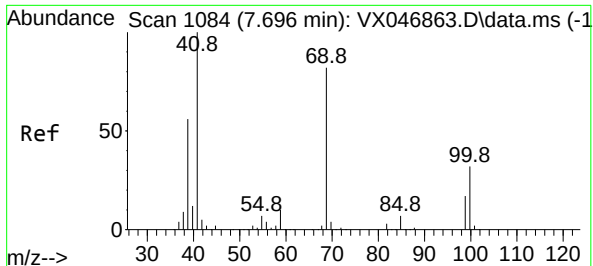
Tgt Ion: 83	Resp: 20561
Ion Ratio	Lower Upper
83	100
55	78.1 63.0 94.4
98	49.4 38.5 57.7



#44
Trichloroethene
Concen: 0.213 ug/l
RT: 7.147 min Scan# 994
Delta R.T. 0.018 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 130	Resp: 1373
Ion Ratio	Lower Upper
130	100
95	94.2 0.0 194.2





#48

Methyl methacrylate

Concen: 0.348 ug/l

RT: 7.659 min Scan# 1084

Delta R.T. -0.037 min

Lab File: VX046886.D

Acq: 03 Jul 2025 14:37

Instrument :

MSVOA_X

ClientSampleId :

GCAP2W

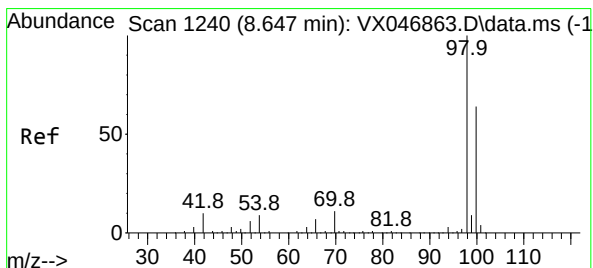
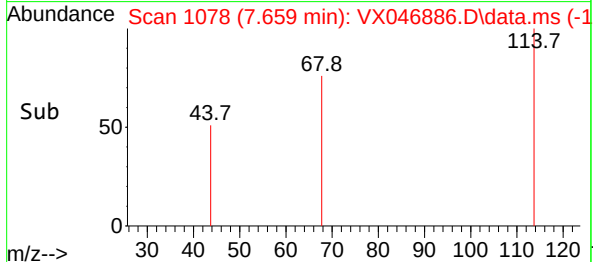
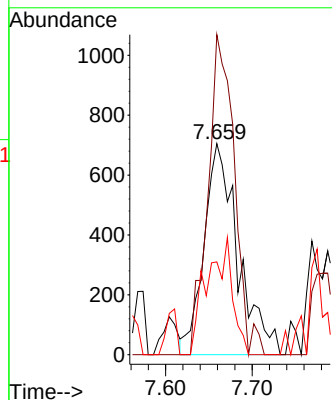
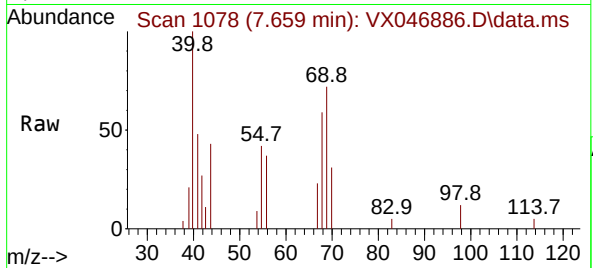
Tgt Ion: 41 Resp: 1919

Ion Ratio Lower Upper

41 100

69 118.0 65.8 98.8#

39 41.8 43.8 65.6#



#50

Toluene-d8

Concen: 49.920 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046886.D

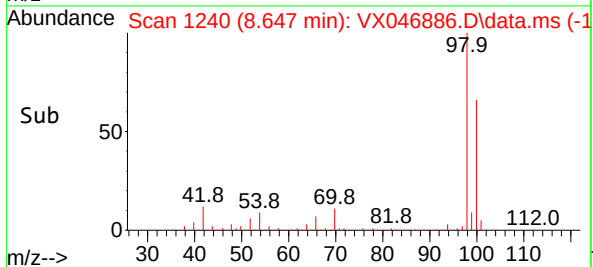
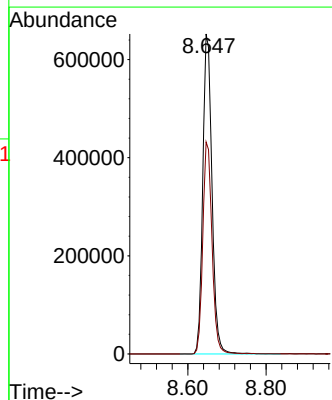
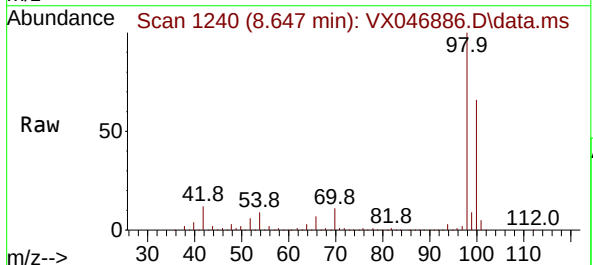
Acq: 03 Jul 2025 14:37

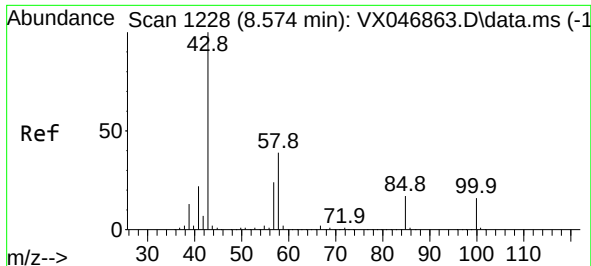
Tgt Ion: 98 Resp: 1067887

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.6

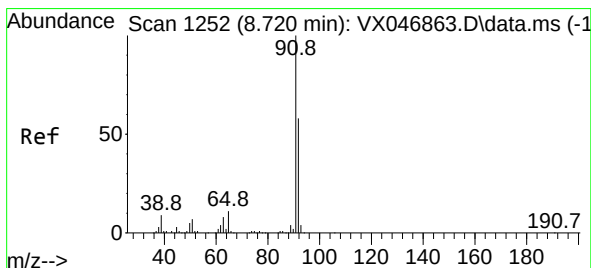
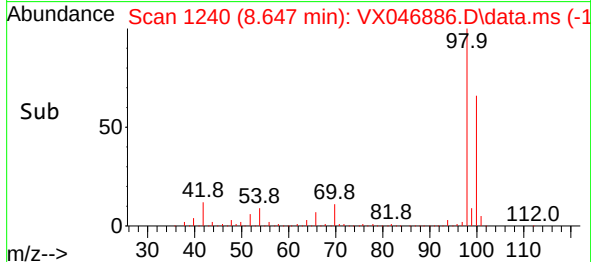
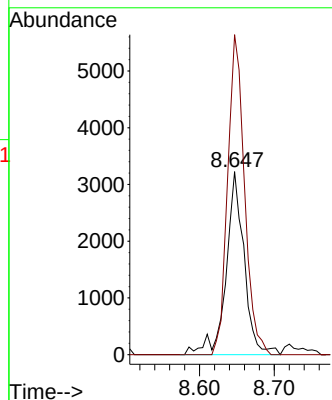
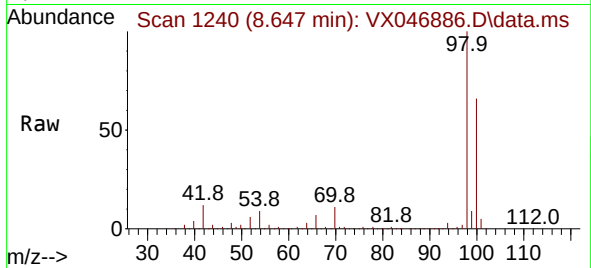




#51
4-Methyl-2-Pentanone
Concen: 0.861 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

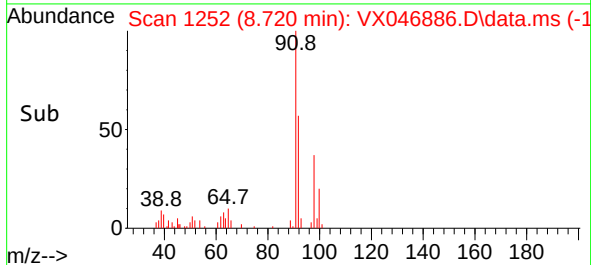
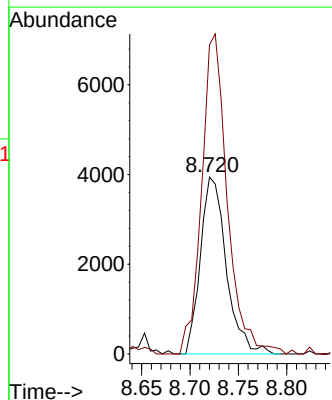
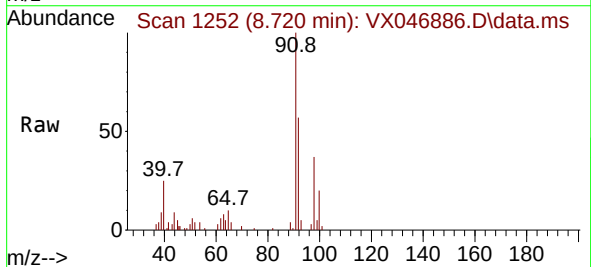
Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

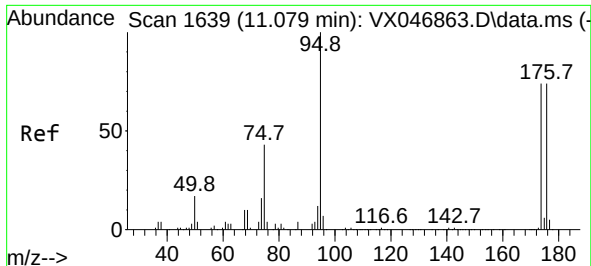
Tgt Ion: 43 Resp: 5420
Ion Ratio Lower Upper
43 100
58 163.4 30.4 45.6#



#52
Toluene
Concen: 0.480 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 92 Resp: 7353
Ion Ratio Lower Upper
92 100
91 179.5 137.9 206.9

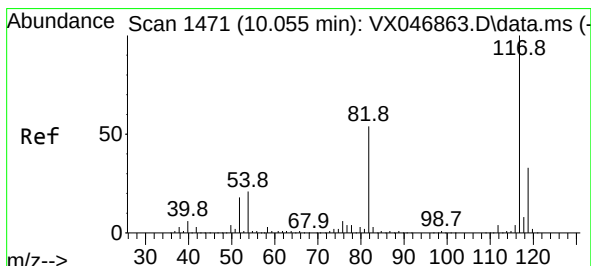
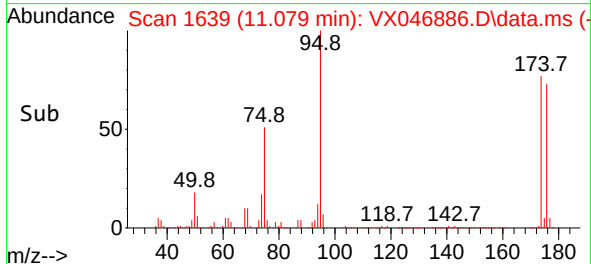
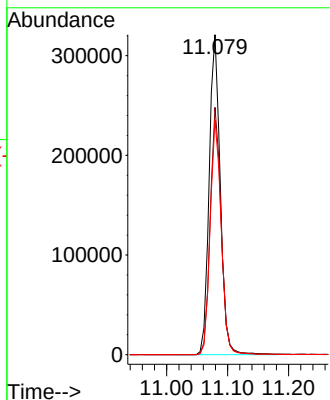
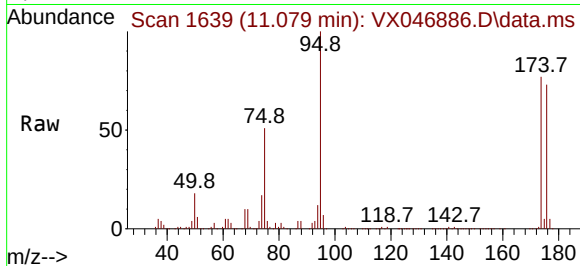




#62
4-Bromofluorobenzene
Concen: 50.065 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

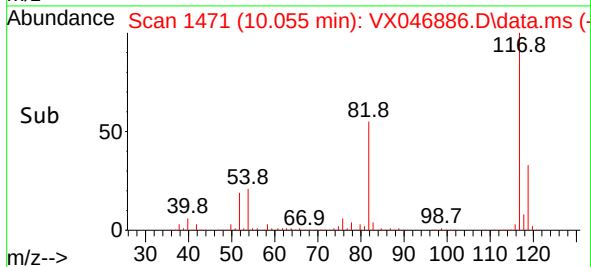
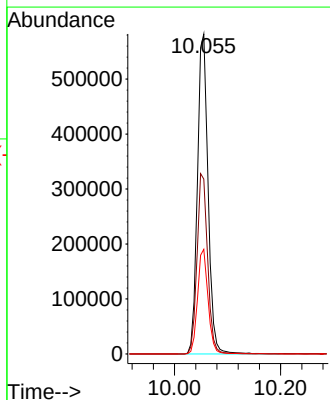
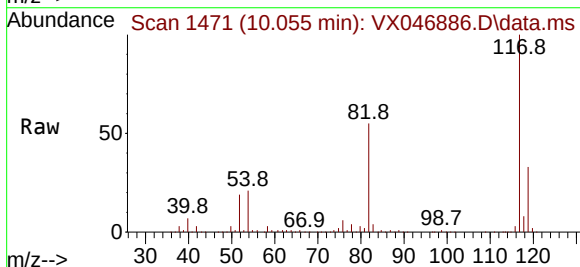
Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

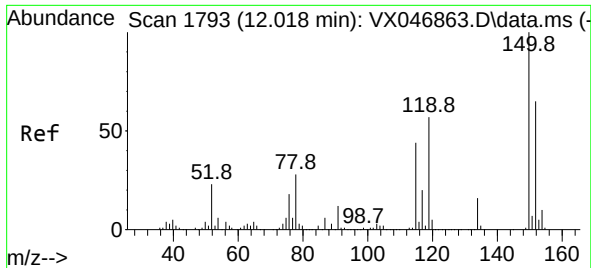
Tgt Ion: 95 Resp: 407032
Ion Ratio Lower Upper
95 100
174 76.4 0.0 152.0
176 72.8 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 117 Resp: 813566
Ion Ratio Lower Upper
117 100
82 54.7 43.3 64.9
119 32.7 26.4 39.6

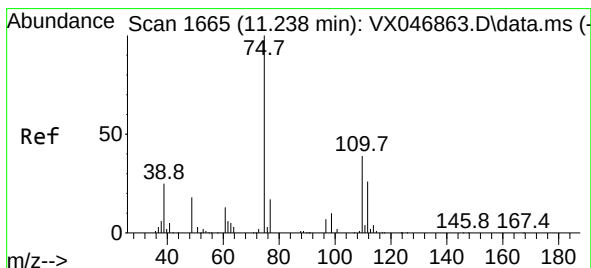
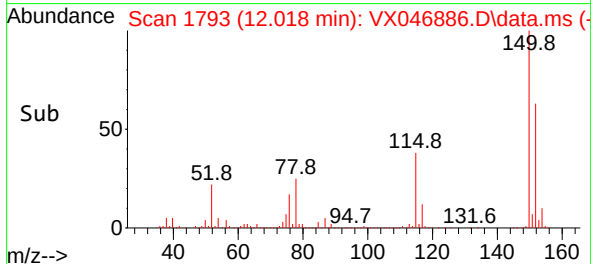
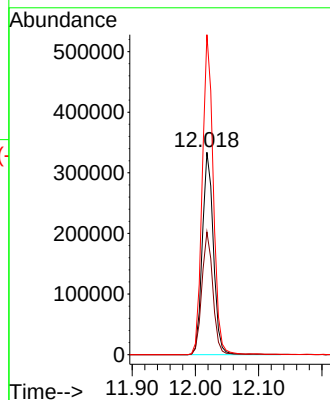
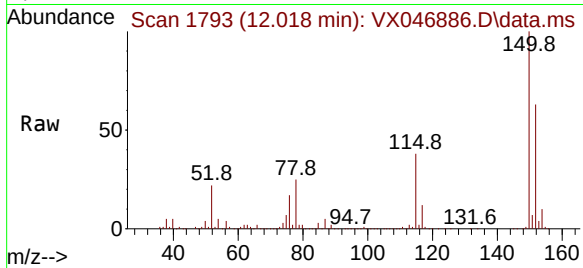




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046886.D
 Acq: 03 Jul 2025 14:37

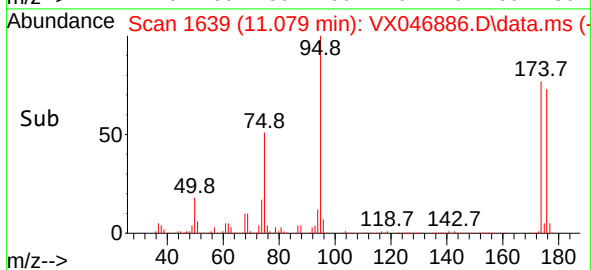
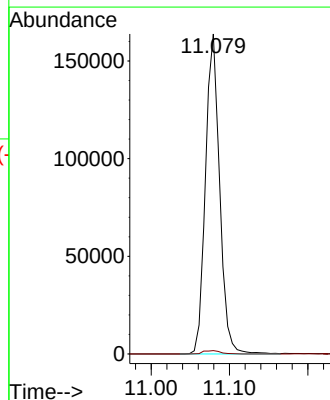
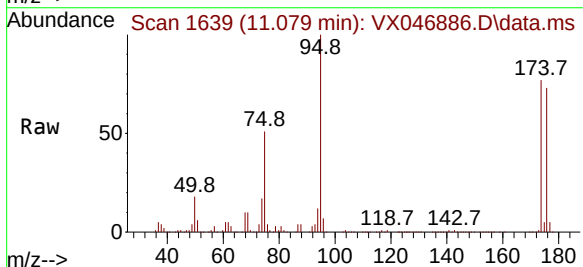
Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP2W

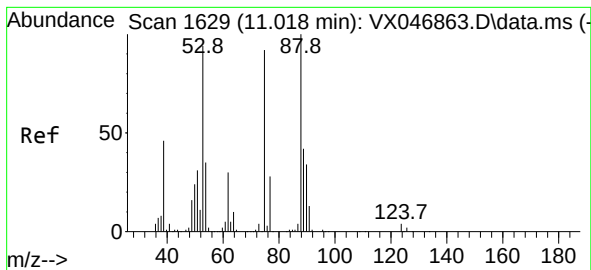
Tgt Ion:152 Resp: 408234
 Ion Ratio Lower Upper
 152 100
 115 60.1 42.4 127.1
 150 156.3 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 32.578 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046886.D
 Acq: 03 Jul 2025 14:37

Tgt Ion: 75 Resp: 205497
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.6 61.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.424 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046886.D
 Acq: 03 Jul 2025 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP2W

Tgt Ion: 75 Resp: 205497
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 38.2 57.2#

