

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046476.D
 Acq On : 03 Jun 2025 16:30
 Operator : JC/MD
 Sample : Q2173-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-400-CF-402B-COMP-24

Quant Time: Jun 04 01:30:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

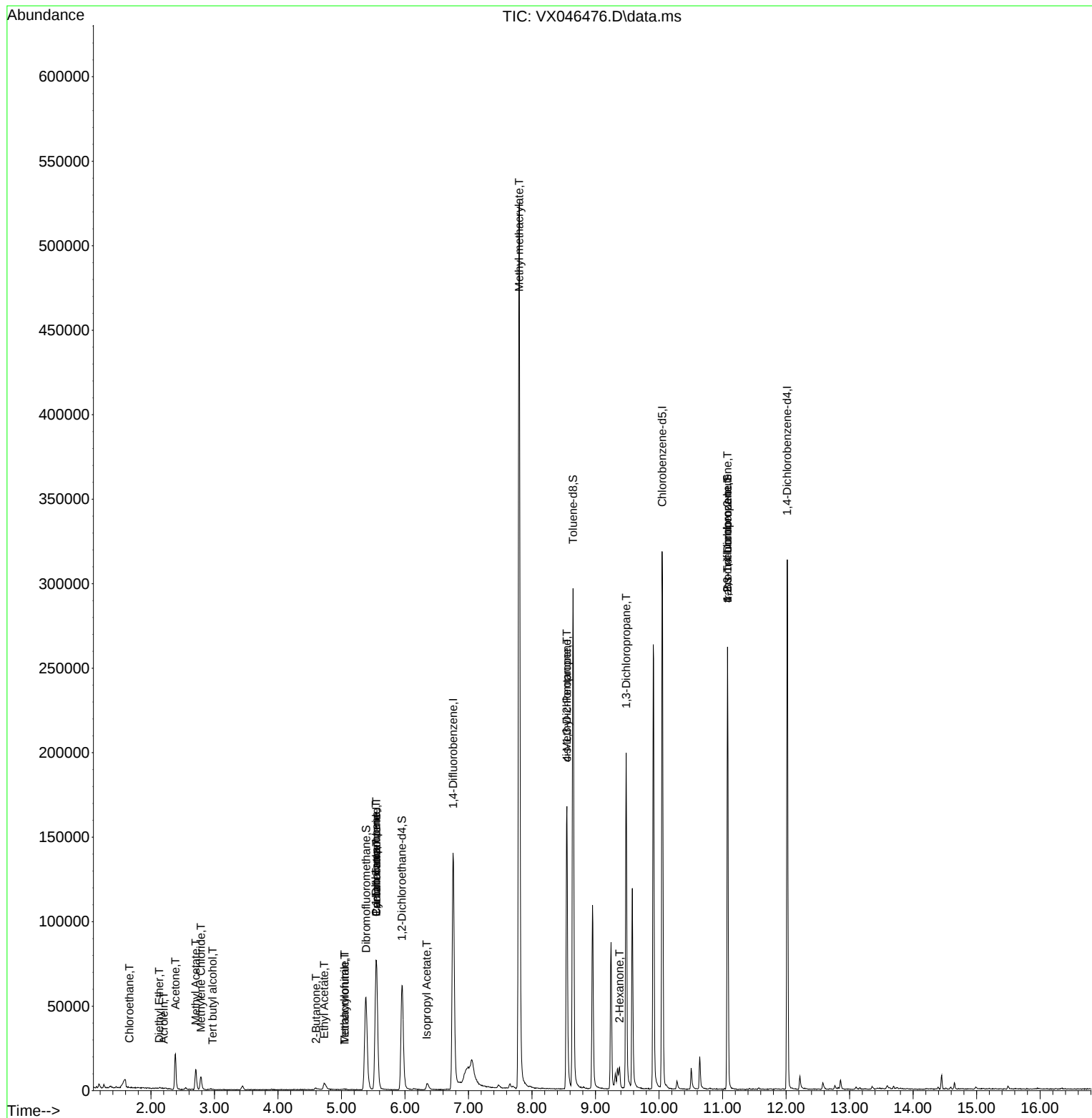
Internal Standards						
1) Pentafluorobenzene	5.550	168	66653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133807	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64836	52.177	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.360%	
35) Dibromofluoromethane	5.385	113	47789	49.597	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.200%	
50) Toluene-d8	8.647	98	167330	50.174	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	11.079	95	66530	52.007	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.020%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	119	0.242	ug/l #	44
8) Diethyl Ether	2.130	74	136	0.294	ug/l #	1
11) Tert butyl alcohol	2.971	59	357	2.047	ug/l #	72
13) Acrolein	2.203	56	41	0.206	ug/l #	15
16) Acetone	2.386	43	23067	46.297	ug/l	98
18) Methyl Acetate	2.703	43	14996	12.970	ug/l	98
20) Methylene Chloride	2.788	84	3406	3.567	ug/l	85
25) 2-Butanone	4.599	43	2359	3.261	ug/l #	87
29) Tetrahydrofuran	5.050	42	295	0.651	ug/l #	47
31) Cyclohexane	5.550	56	1958	1.322	ug/l #	34
36) 1,1-Dichloropropene	5.544	75	6849	5.290	ug/l #	51
37) Ethyl Acetate	4.727	43	7789	4.870	ug/l	97
38) Carbon Tetrachloride	5.550	117	7564	5.200	ug/l #	17
41) Methacrylonitrile	5.050	41	200	0.239	ug/l #	42
43) Isopropyl Acetate	6.342	43	6480	2.656	ug/l	94
48) Methyl methacrylate	7.799	41	51602	41.407	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	63897	39.449	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	25509	17.727	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1650	1.002	ug/l #	42
59) 2-Hexanone	9.378	43	12408	10.354	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	37893	27.767	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37893	90.399	ug/l #	1

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

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Quant Title : SW846 8260
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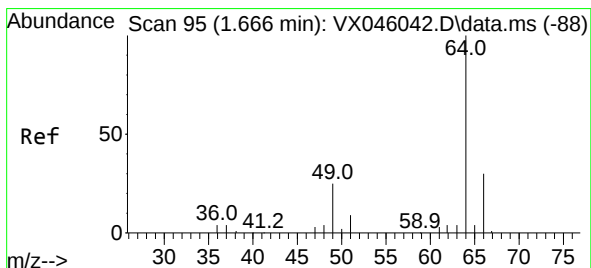
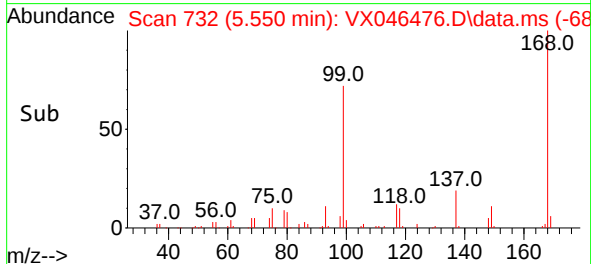
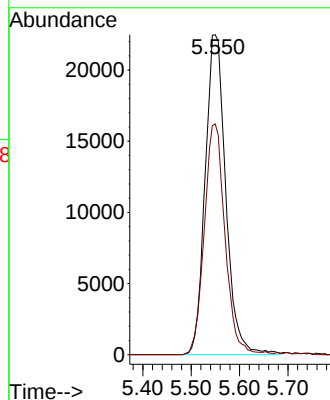
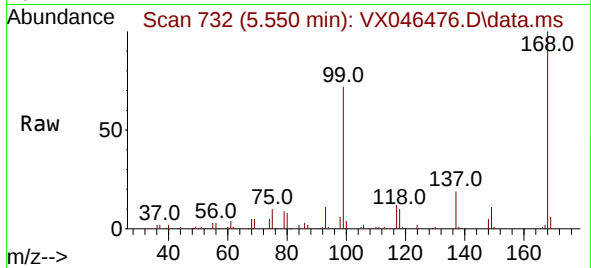




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

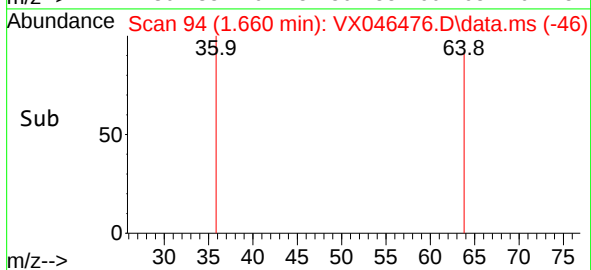
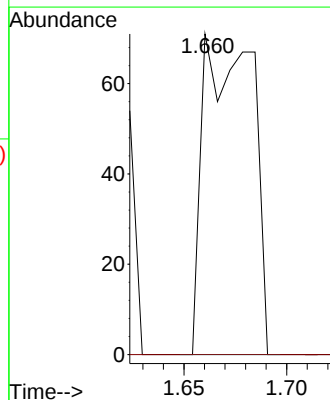
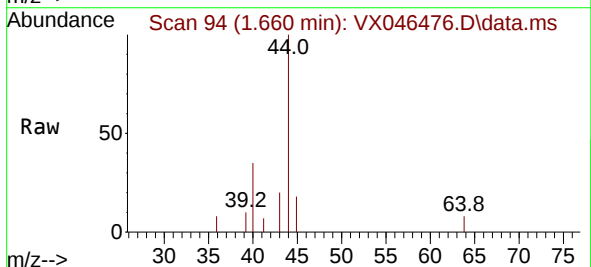
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-24

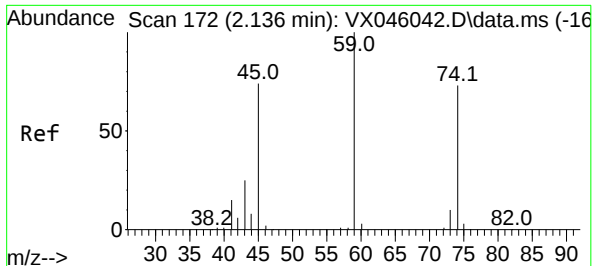
Tgt Ion:168 Resp: 66653
Ion Ratio Lower Upper
168 100
99 72.1 54.9 82.3



#6
Chloroethane
Concen: 0.242 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 64 Resp: 119
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

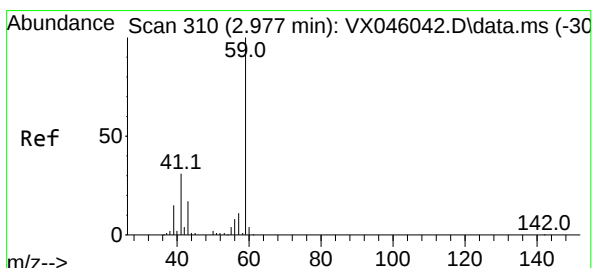
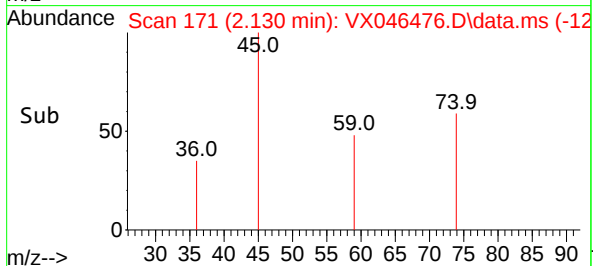
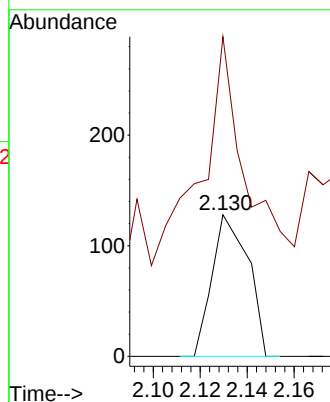
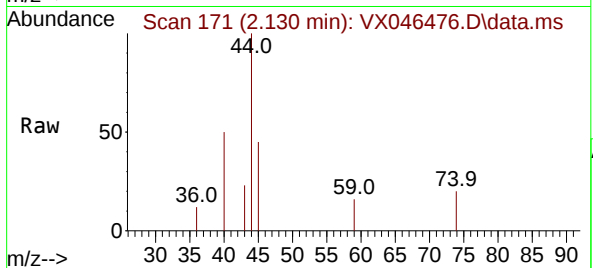




#8
Diethyl Ether
Concen: 0.294 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

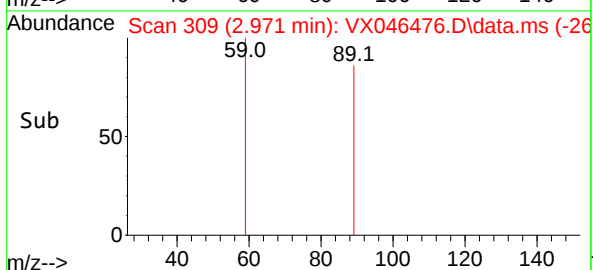
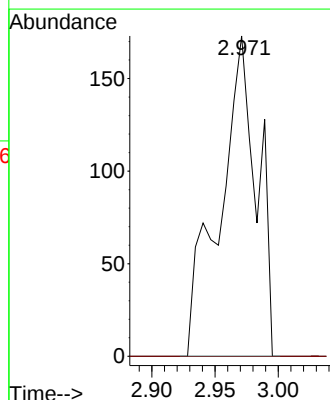
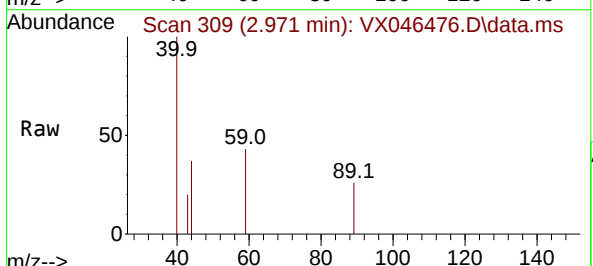
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-24

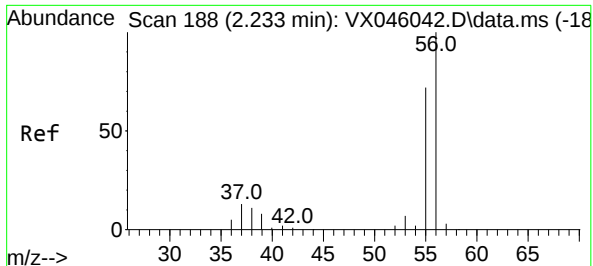
Tgt Ion: 74 Resp: 136
Ion Ratio Lower Upper
74 100
45 283.8 54.9 164.8#



#11
Tert butyl alcohol
Concen: 2.047 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 59 Resp: 357
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

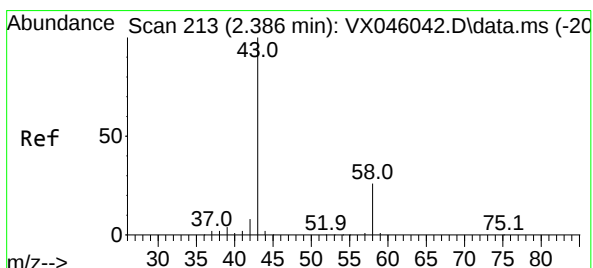
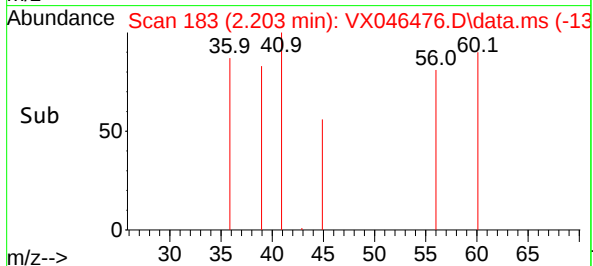
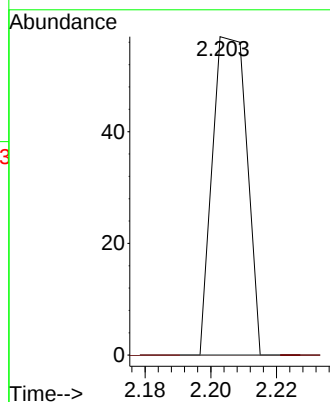
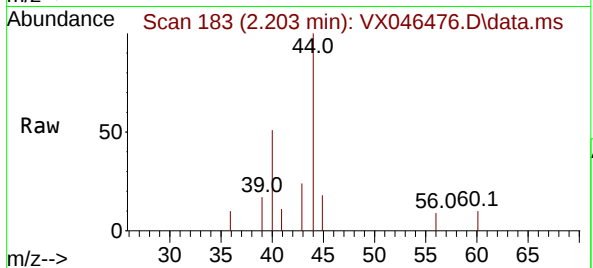




#13
Acrolein
Concen: 0.206 ug/l
RT: 2.203 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

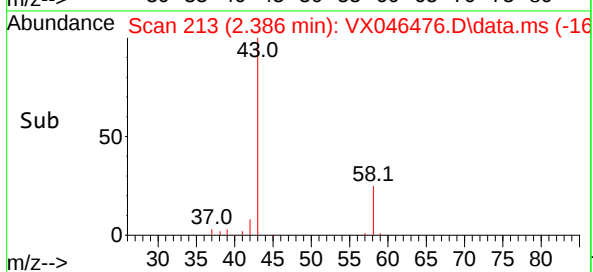
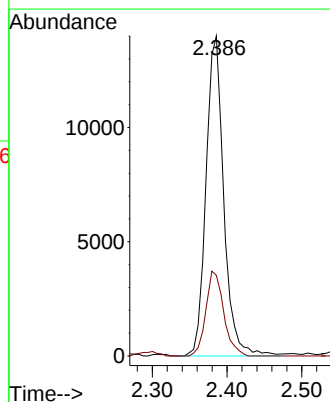
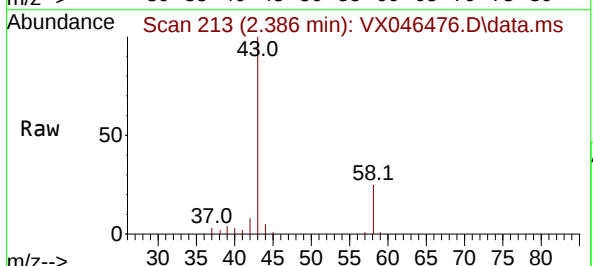
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-24

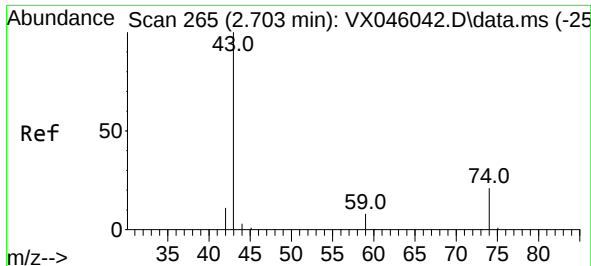
Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 46.297 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 43 Resp: 23067
Ion Ratio Lower Upper
43 100
58 25.2 21.2 31.8

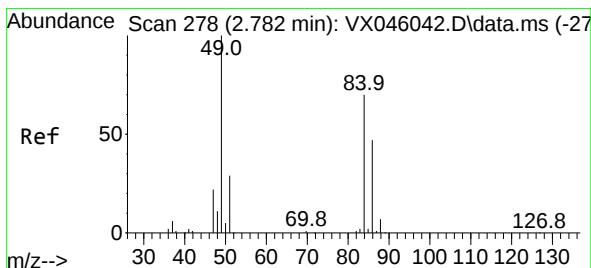
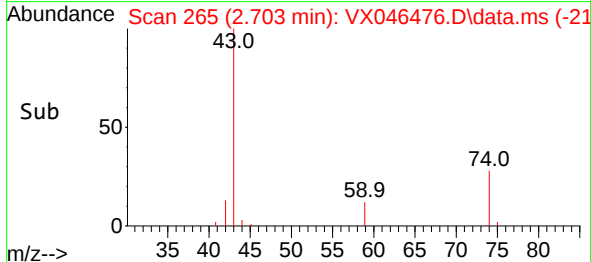
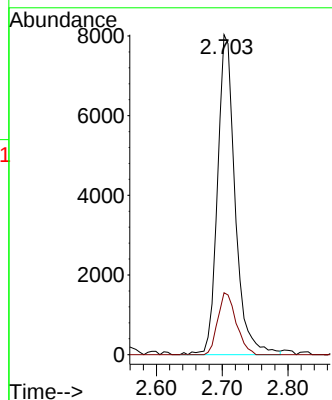
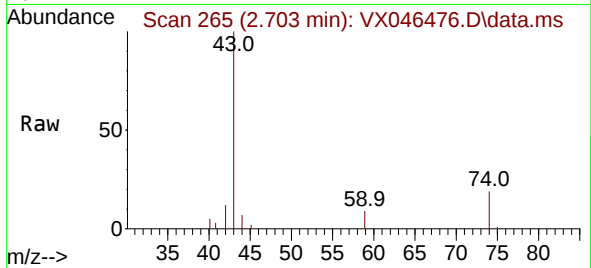




#18
Methyl Acetate
Concen: 12.970 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

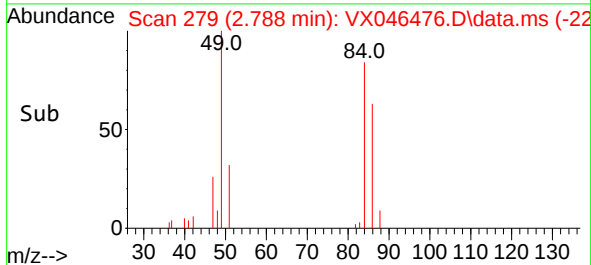
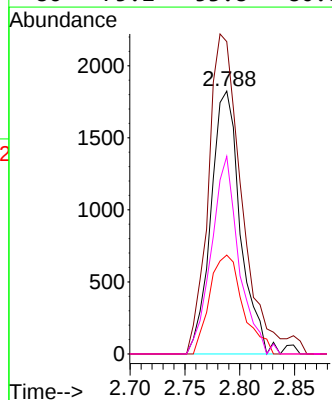
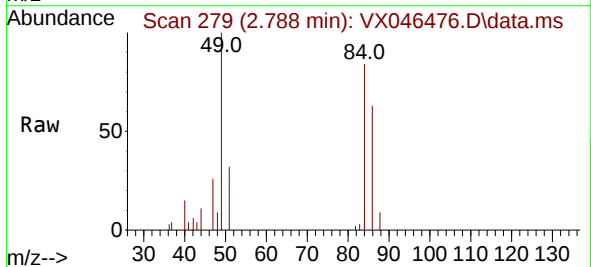
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-24

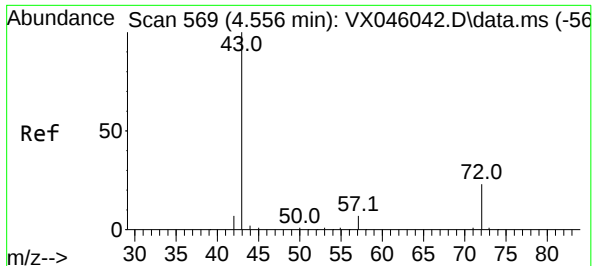
Tgt Ion: 43 Resp: 14996
Ion Ratio Lower Upper
43 100
74 20.2 16.7 25.1



#20
Methylene Chloride
Concen: 3.567 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 84 Resp: 3406
Ion Ratio Lower Upper
84 100
49 118.9 113.9 170.9
51 37.6 33.5 50.3
86 75.2 53.8 80.8

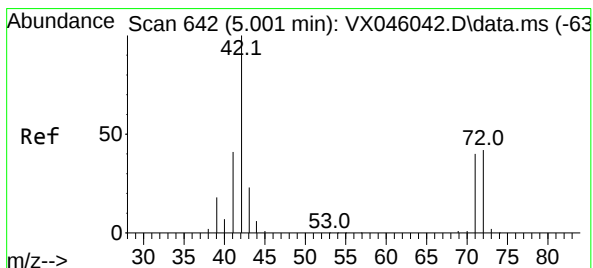
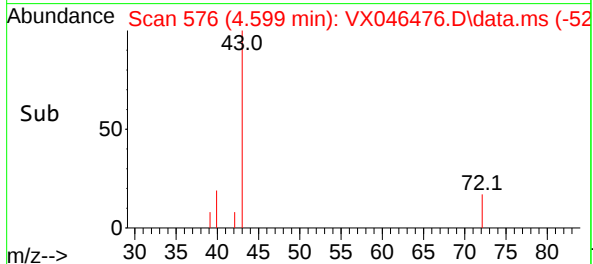
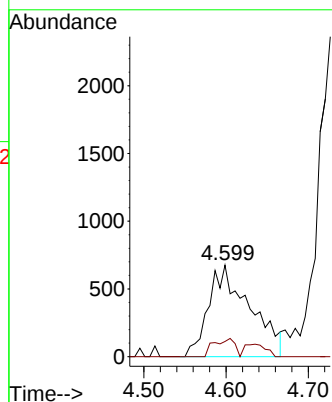
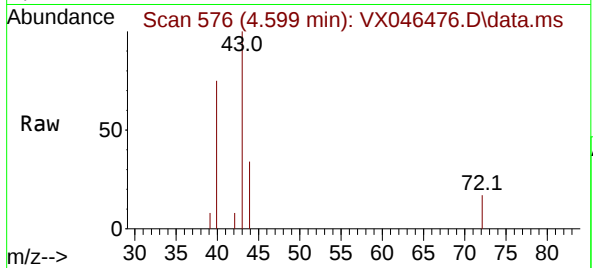




#25
2-Butanone
Concen: 3.261 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

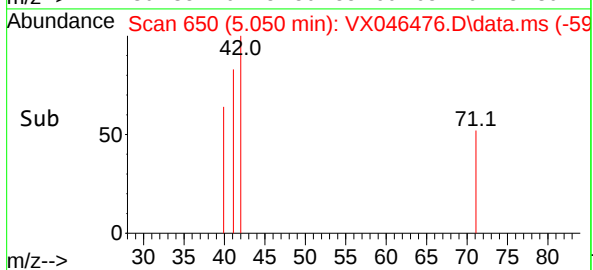
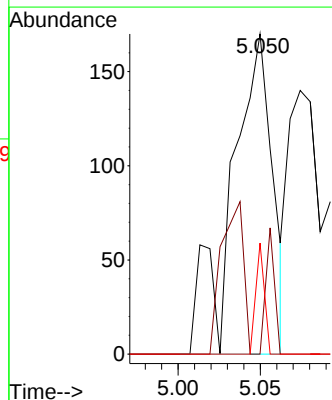
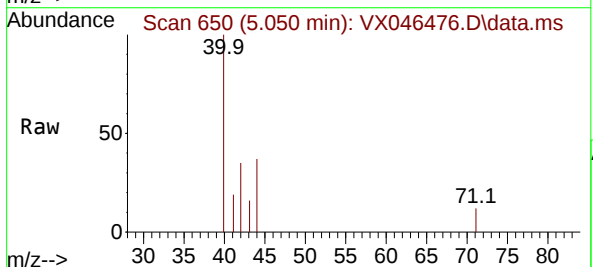
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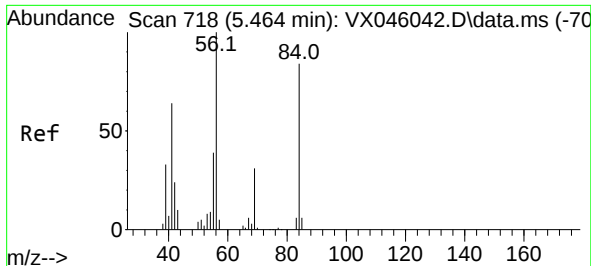
Tgt Ion: 43 Resp: 2359
Ion Ratio Lower Upper
43 100
72 16.6 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.651 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.049 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 42 Resp: 295
Ion Ratio Lower Upper
42 100
72 8.1 33.7 50.5#
71 7.5 31.4 47.2#

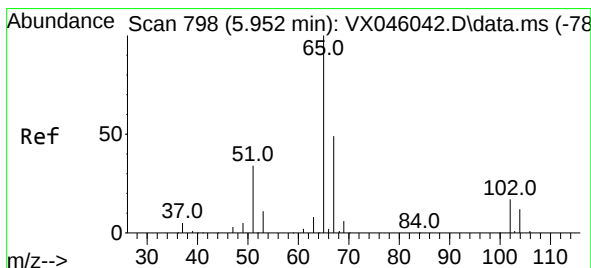
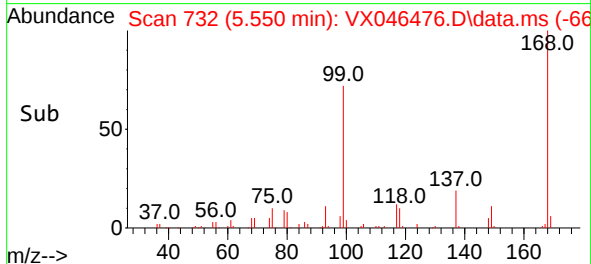
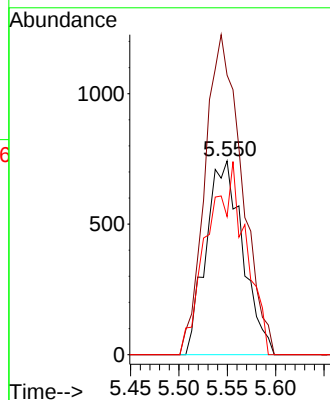
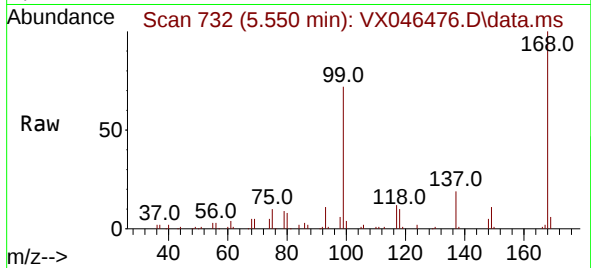




#31
Cyclohexane
Concen: 1.322 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

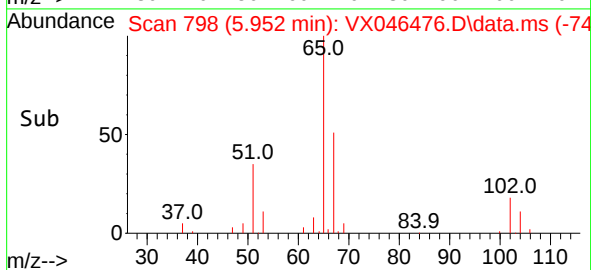
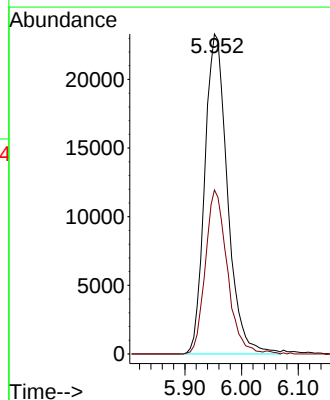
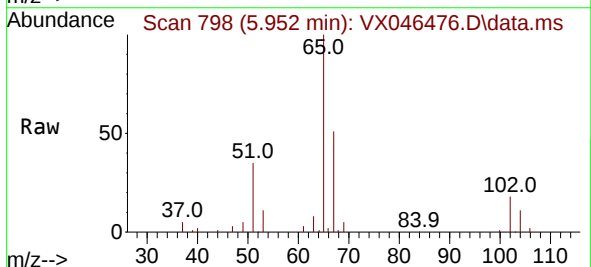
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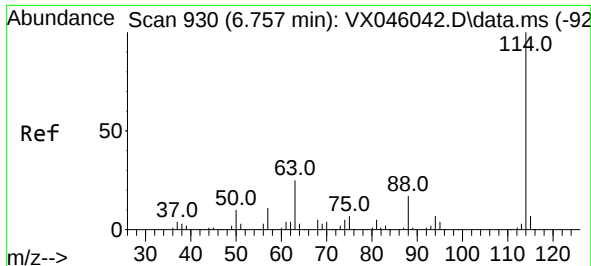
Tgt Ion: 56 Resp: 1958
Ion Ratio Lower Upper
56 100
69 144.3 24.4 36.6#
84 71.3 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 52.177 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 65 Resp: 64836
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

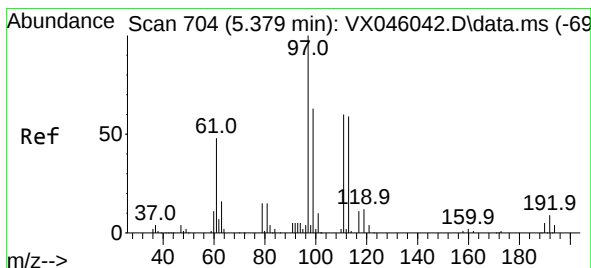
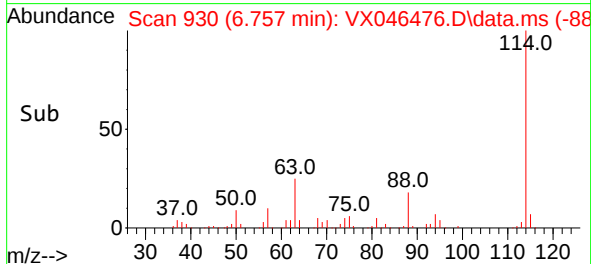
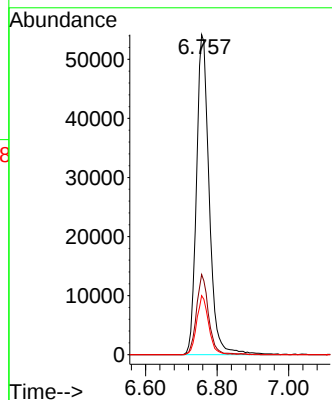
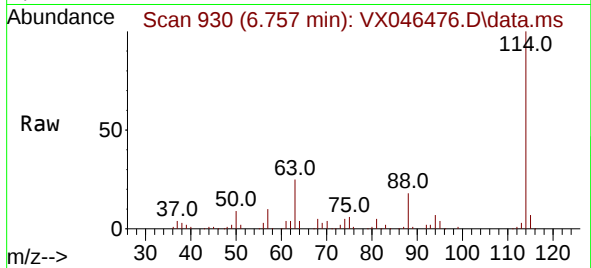




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

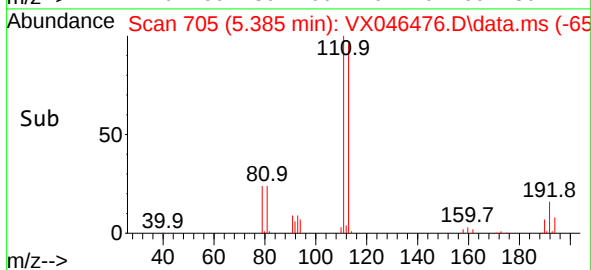
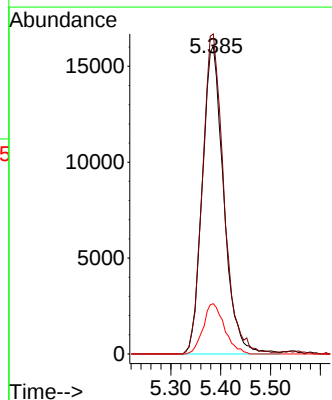
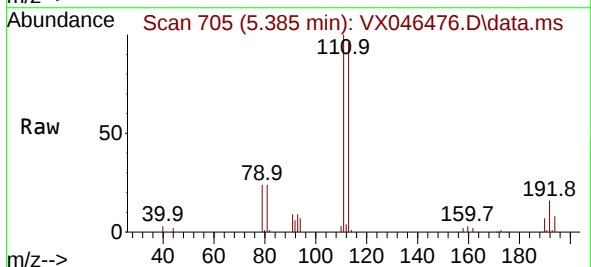
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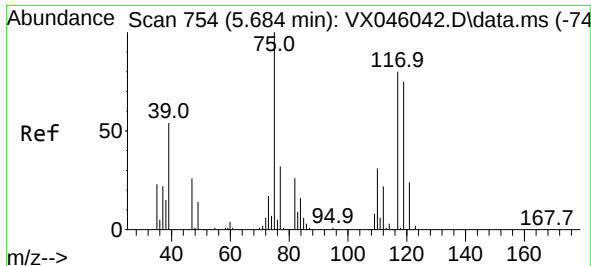
Tgt Ion:114 Resp: 133807
Ion Ratio Lower Upper
114 100
63 25.0 0.0 49.2
88 18.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.597 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

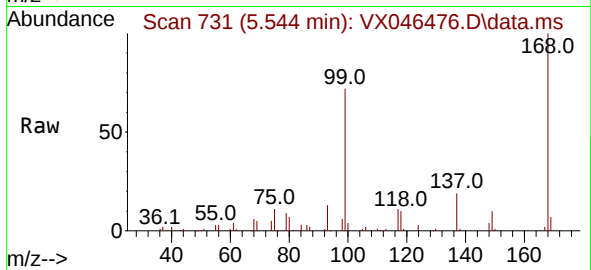
Tgt Ion:113 Resp: 47789
Ion Ratio Lower Upper
113 100
111 103.8 83.1 124.7
192 16.3 13.3 19.9



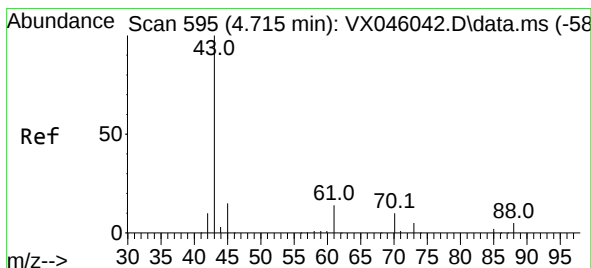
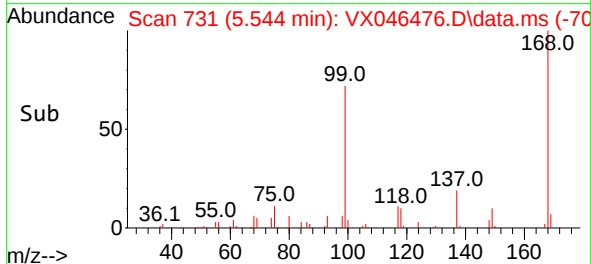
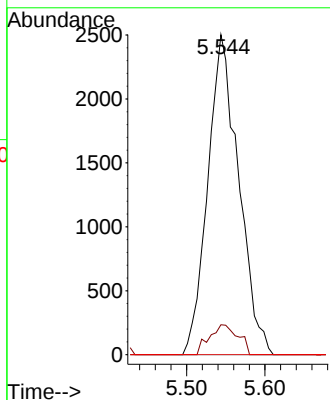


#36
1,1-Dichloropropene
Concen: 5.290 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-24

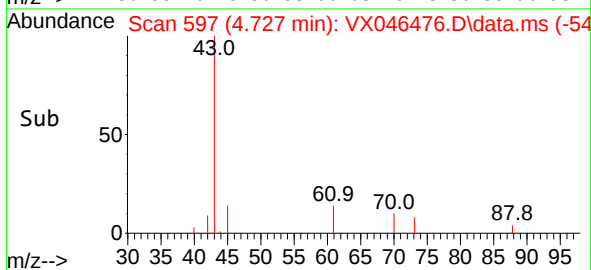
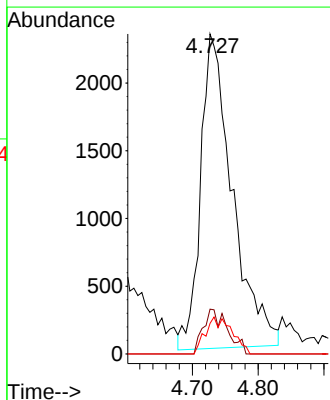
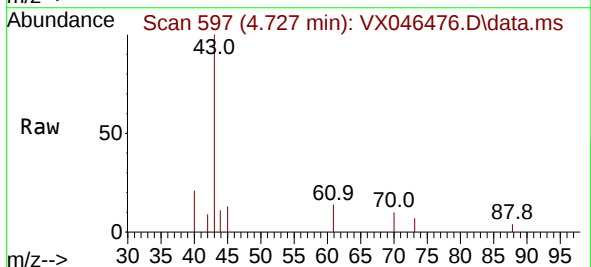


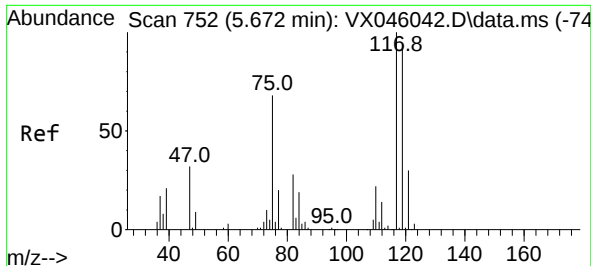
Tgt Ion: 75 Resp: 6849
Ion Ratio Lower Upper
75 100
110 8.7 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 4.870 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 43 Resp: 7789
Ion Ratio Lower Upper
43 100
61 10.8 10.3 15.5
70 9.8 7.9 11.9

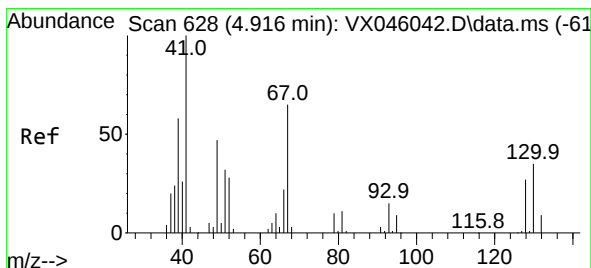
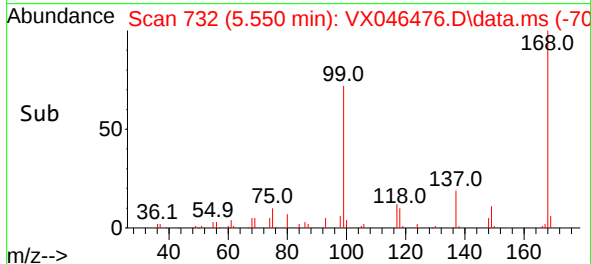
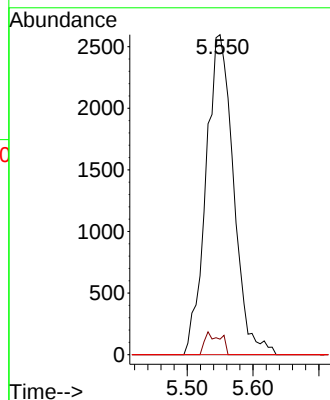
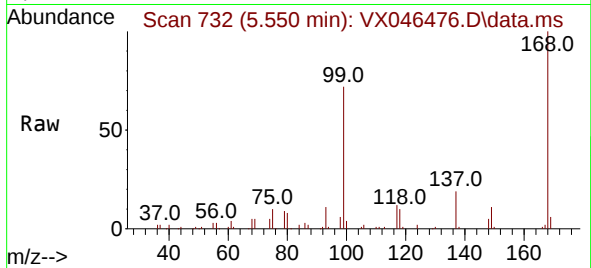




#38
Carbon Tetrachloride
Concen: 5.200 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

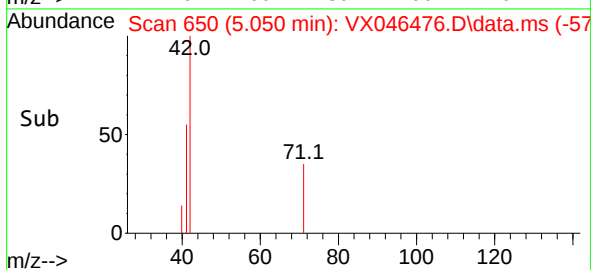
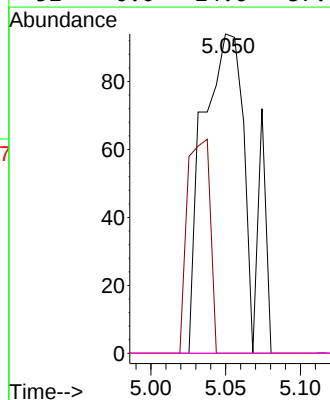
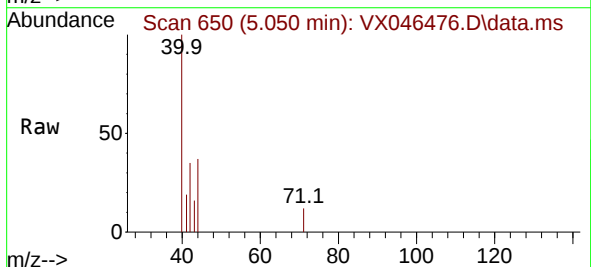
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-24

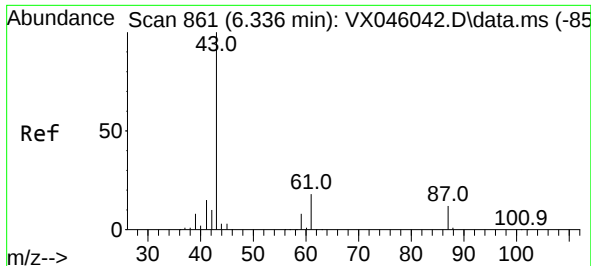
Tgt Ion:117 Resp: 7564
Ion Ratio Lower Upper
117 100
119 4.9 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.239 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.134 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 41 Resp: 200
Ion Ratio Lower Upper
41 100
39 33.5 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

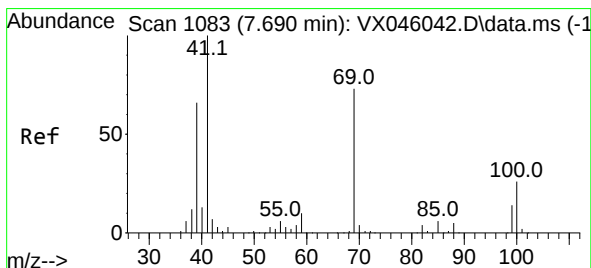
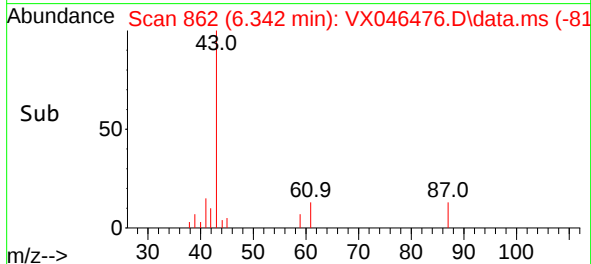
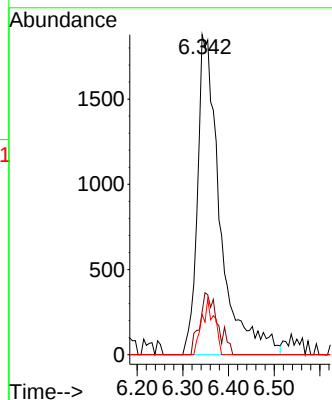
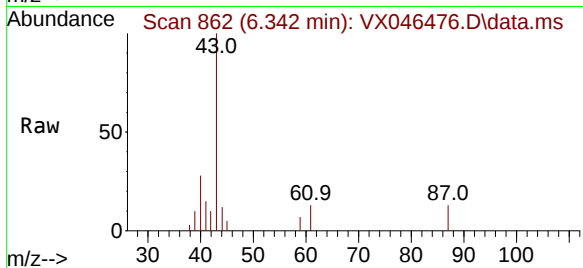




#43
Isopropyl Acetate
Concen: 2.656 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

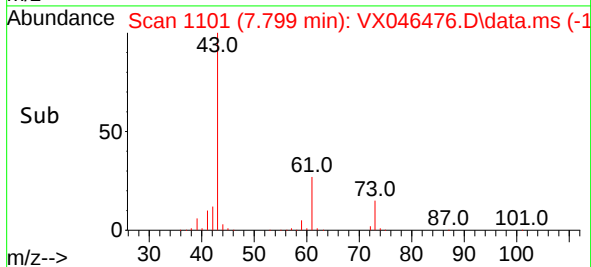
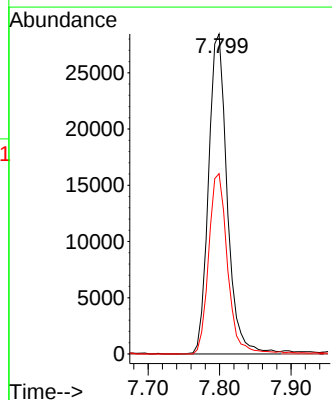
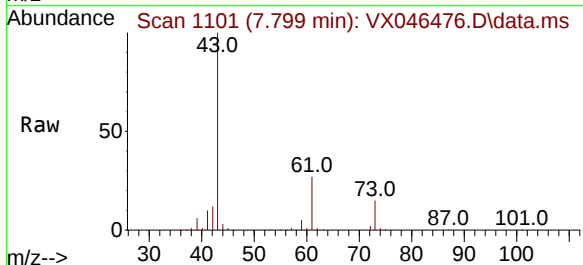
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-24

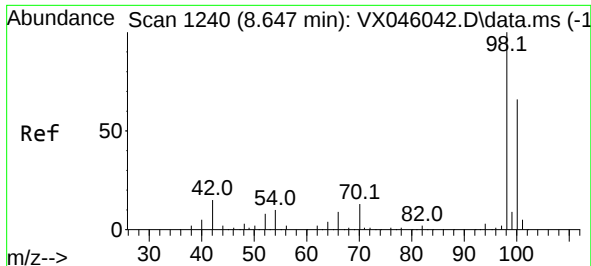
Tgt Ion: 43 Resp: 6480
Ion Ratio Lower Upper
43 100
61 15.3 14.3 21.5
87 9.6 9.5 14.3



#48
Methyl methacrylate
Concen: 41.407 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 41 Resp: 51602
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.4 51.7 77.5

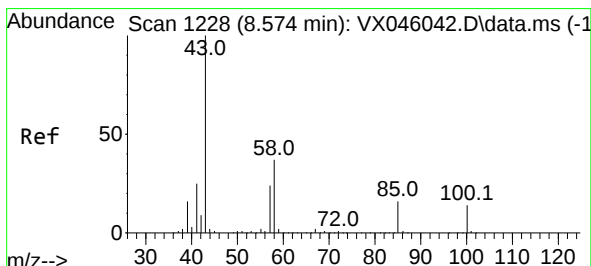
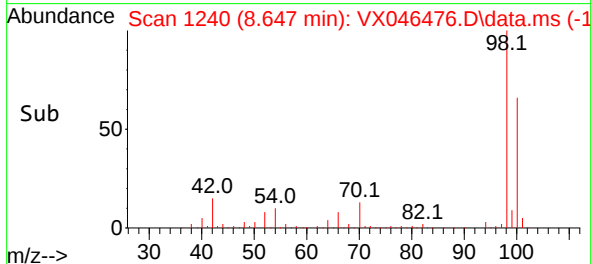
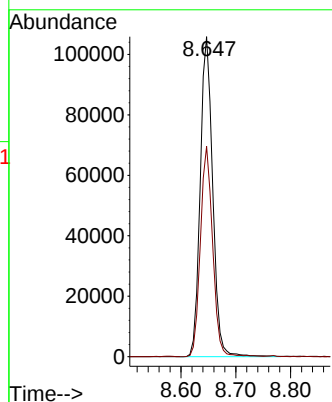
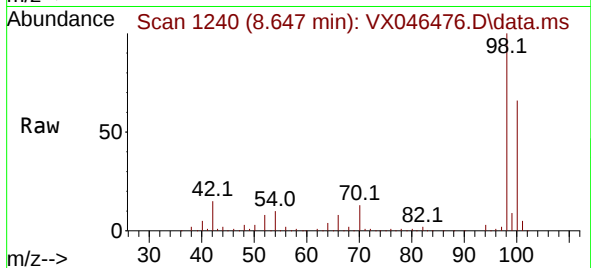




#50
Toluene-d8
Concen: 50.174 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

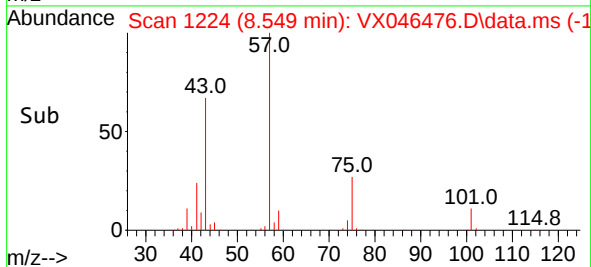
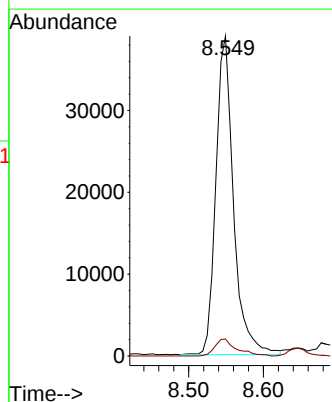
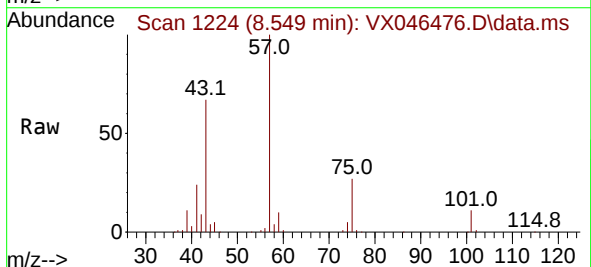
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-24

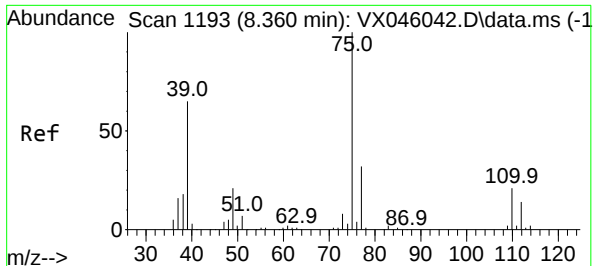
Tgt Ion: 98 Resp: 167330
Ion Ratio Lower Upper
98 100
100 64.7 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 39.449 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 43 Resp: 63897
Ion Ratio Lower Upper
43 100
58 6.5 28.9 43.3#

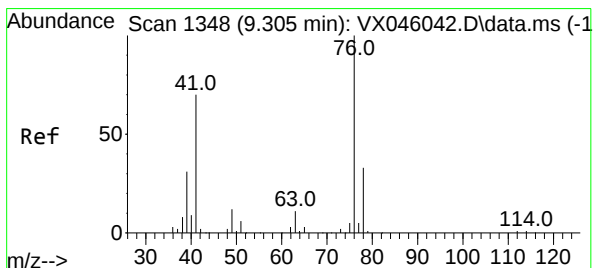
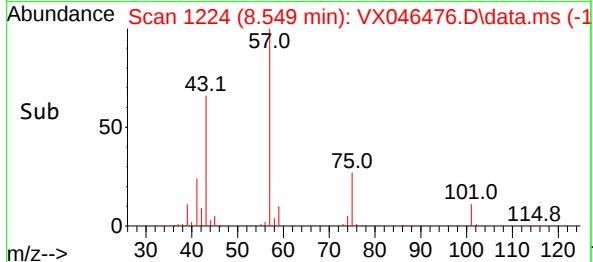
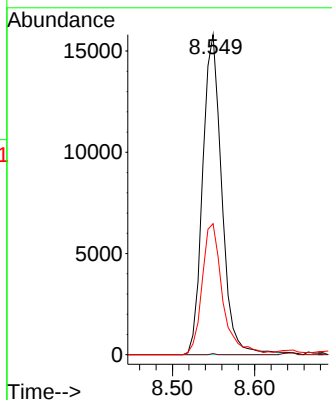
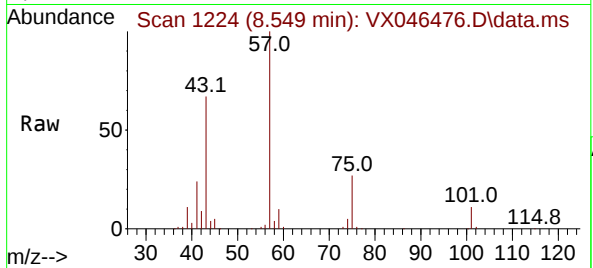




#54
 cis-1,3-Dichloropropene
 Concen: 17.727 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046476.D
 Acq: 03 Jun 2025 16:30

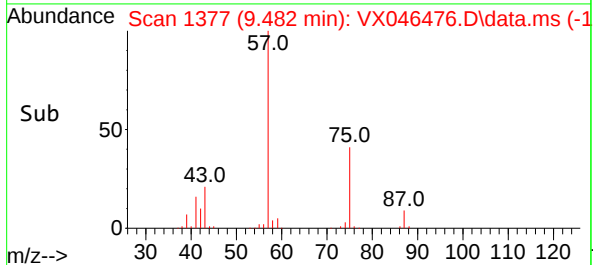
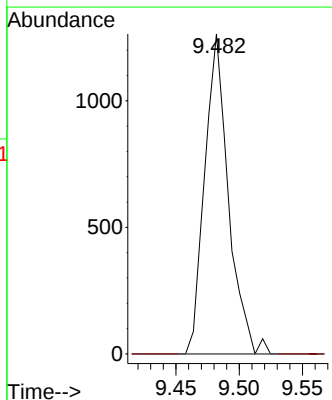
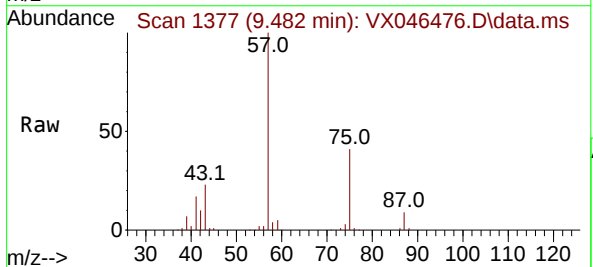
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-400-CF-402B-COMP-24

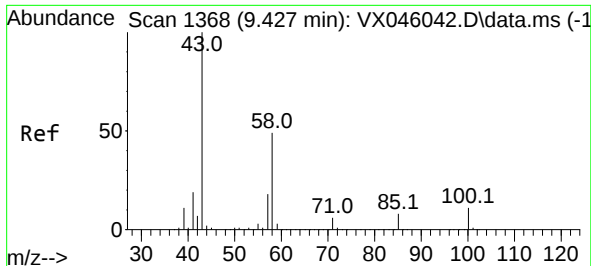
Tgt Ion: 75 Resp: 25509
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.4 38.0#
 39 41.0 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 1.002 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046476.D
 Acq: 03 Jun 2025 16:30

Tgt Ion: 76 Resp: 1650
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

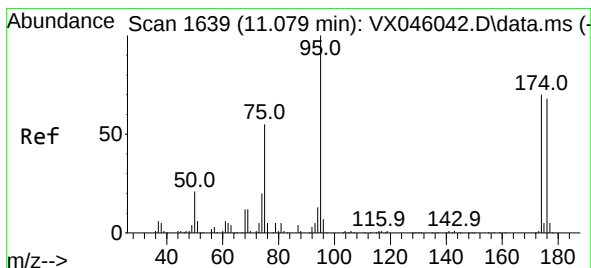
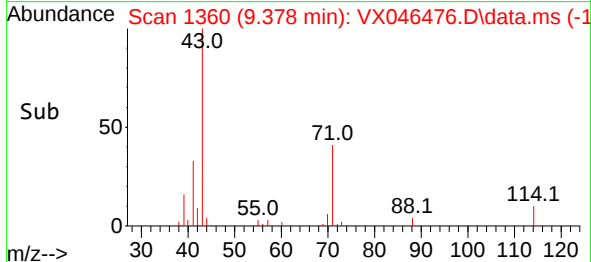
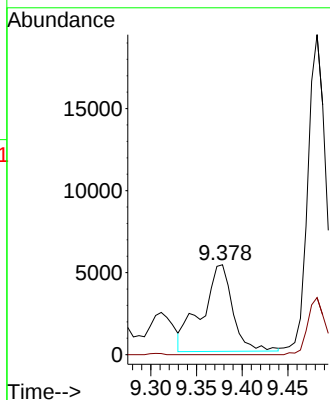
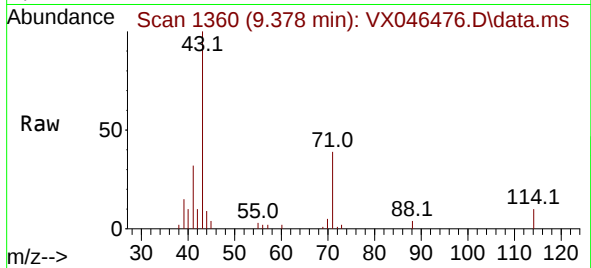




#59
2-Hexanone
Concen: 10.354 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

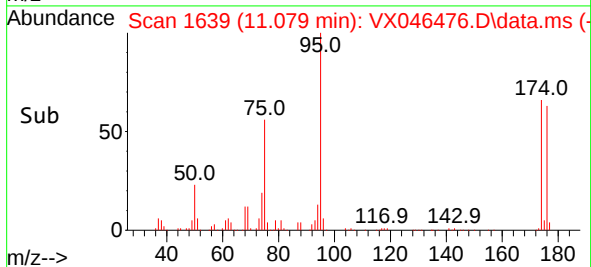
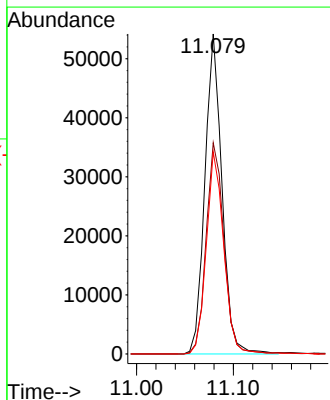
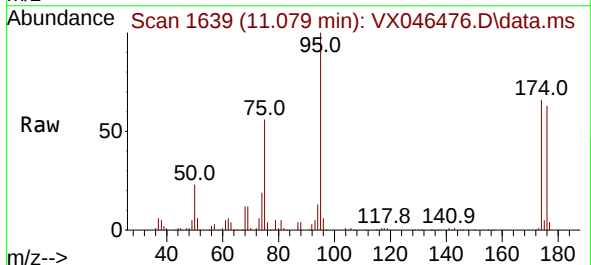
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-24

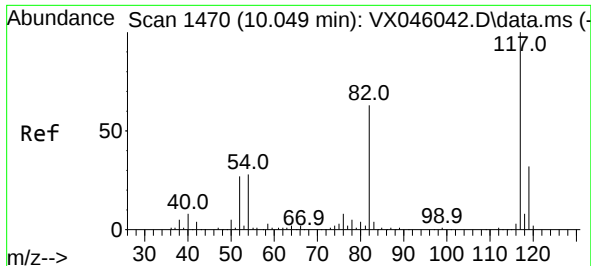
Tgt Ion: 43 Resp: 12408
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.007 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 95 Resp: 66530
Ion Ratio Lower Upper
95 100
174 68.4 0.0 135.8
176 64.6 0.0 131.4

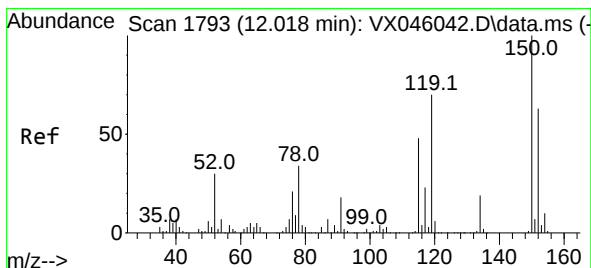
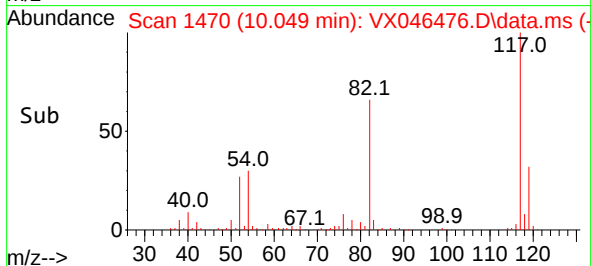
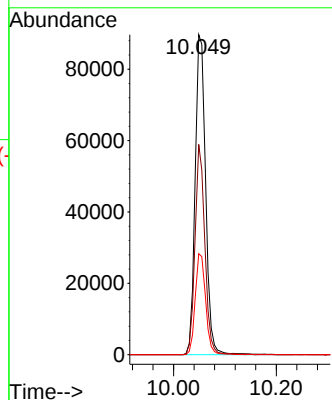
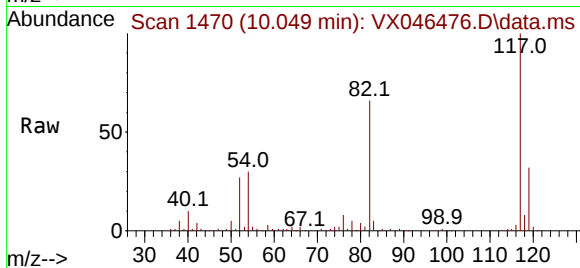




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

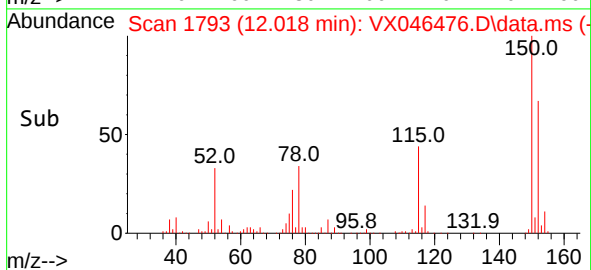
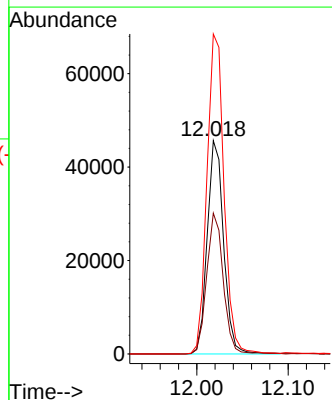
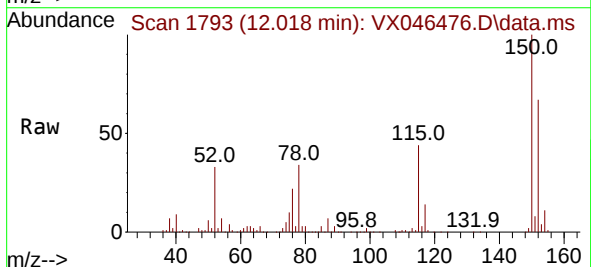
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-24

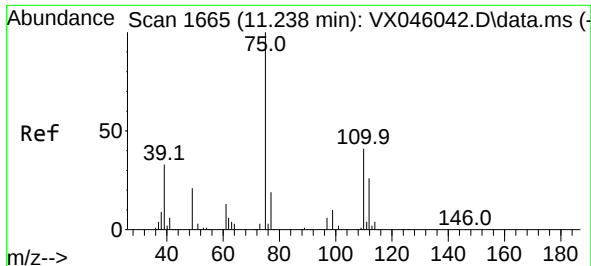
Tgt Ion:117 Resp: 127035
Ion Ratio Lower Upper
117 100
82 65.7 50.6 76.0
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion:152 Resp: 56696
Ion Ratio Lower Upper
152 100
115 66.8 46.9 140.7
150 156.3 0.0 351.0

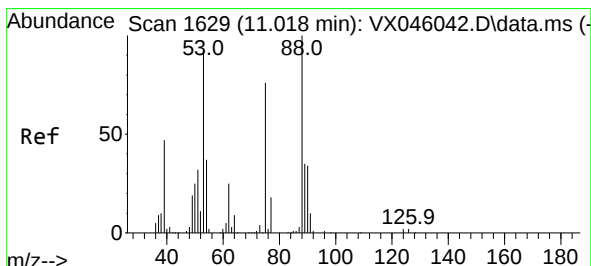
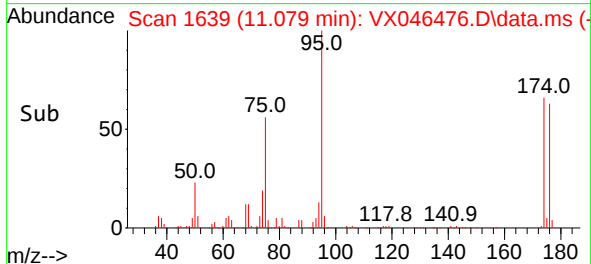
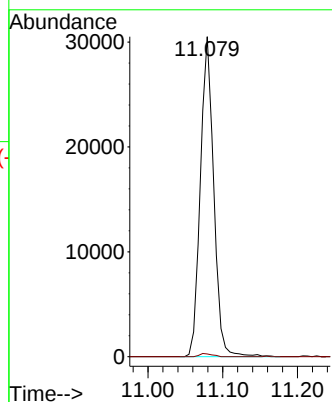
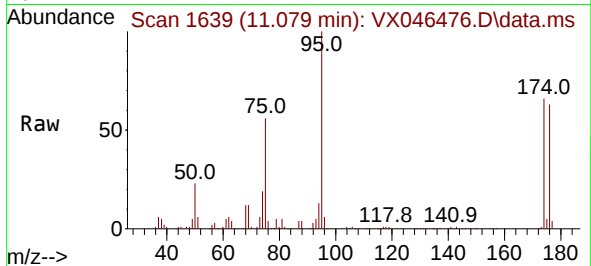




#76
1,2,3-Trichloropropane
Concen: 27.767 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-24

Tgt Ion: 75 Resp: 37893
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.399 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046476.D
Acq: 03 Jun 2025 16:30

Tgt Ion: 75 Resp: 37893
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

