

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046475.D
 Acq On : 03 Jun 2025 16:06
 Operator : JC/MD
 Sample : Q2173-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-400-CF-402B-COMP-23

Quant Time: Jun 04 01:29:34 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

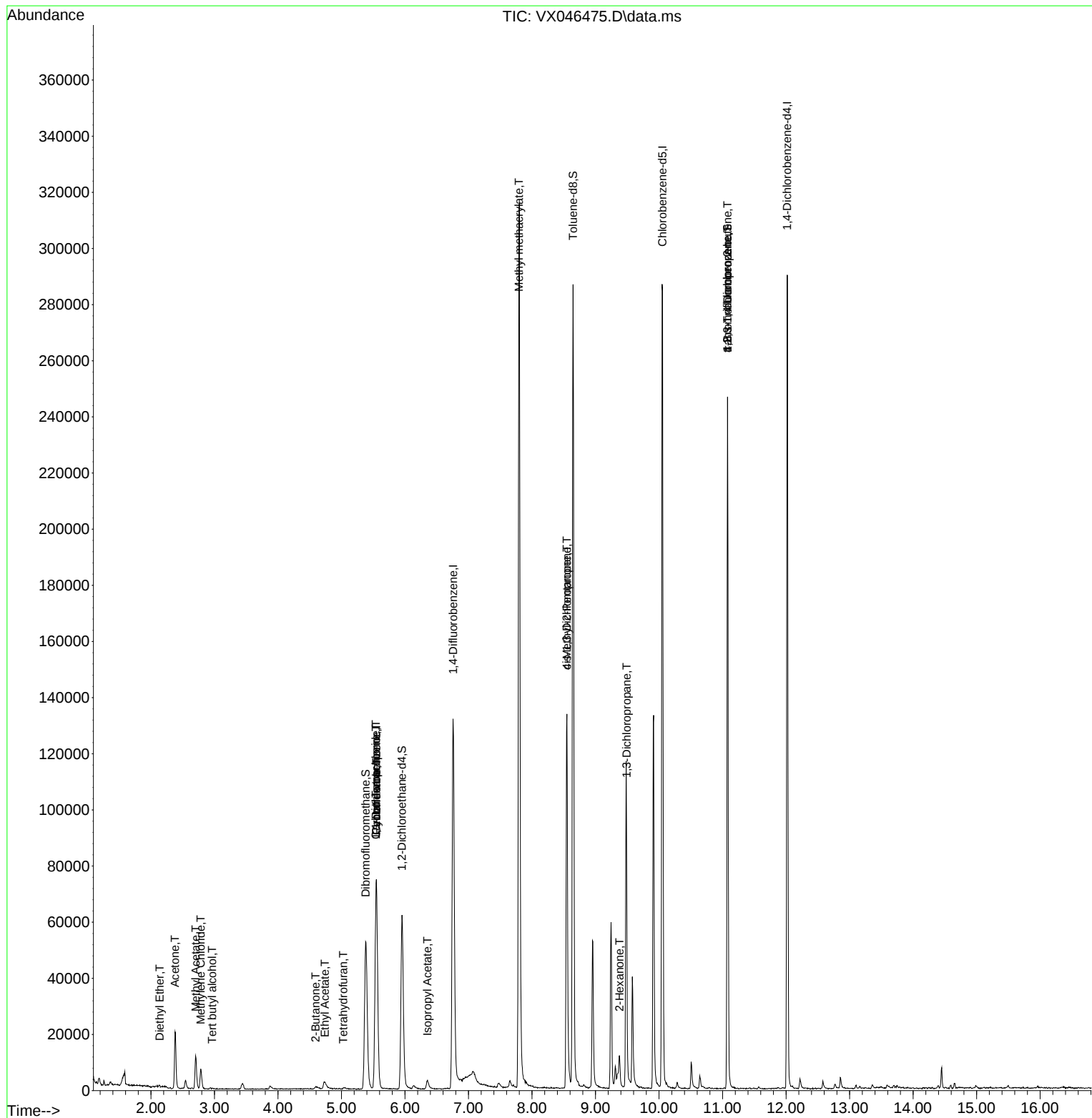
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	63692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127082	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64015	53.911	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.820%		
35) Dibromofluoromethane	5.379	113	46414	50.719	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.440%		
50) Toluene-d8	8.647	98	161129	50.872	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.740%		
62) 4-Bromofluorobenzene	11.079	95	64556	53.134	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 106.260%		
Target Compounds						Qvalue
8) Diethyl Ether	2.136	74	114	0.258	ug/l #	1
11) Tert butyl alcohol	2.965	59	217	1.302	ug/l #	72
16) Acetone	2.380	43	22770	47.826	ug/l	98
18) Methyl Acetate	2.703	43	14544	13.164	ug/l	99
20) Methylene Chloride	2.782	84	3260	3.573	ug/l	92
25) 2-Butanone	4.593	43	1178	1.704	ug/l	100
29) Tetrahydrofuran	5.025	42	181	0.418	ug/l #	79
31) Cyclohexane	5.550	56	1901	1.343	ug/l #	13
36) 1,1-Dichloropropene	5.544	75	6348	5.163	ug/l #	51
37) Ethyl Acetate	4.739	43	5157	3.395	ug/l #	93
38) Carbon Tetrachloride	5.544	117	7576	5.484	ug/l #	16
43) Isopropyl Acetate	6.354	43	4923	2.124	ug/l #	88
48) Methyl methacrylate	7.793	41	30905	26.112	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	52989	34.446	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	21027	15.386	ug/l #	59
57) 1,3-Dichloropropane	9.488	76	995	0.636	ug/l #	42
59) 2-Hexanone	9.378	43	10176	8.941	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36647	27.870	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36647	90.736	ug/l #	1

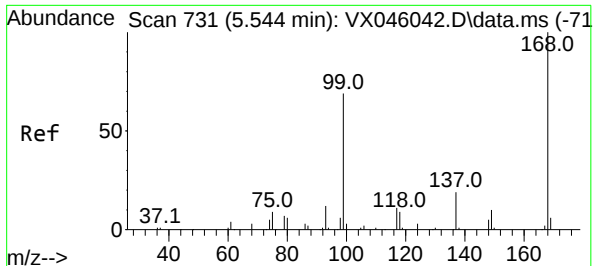
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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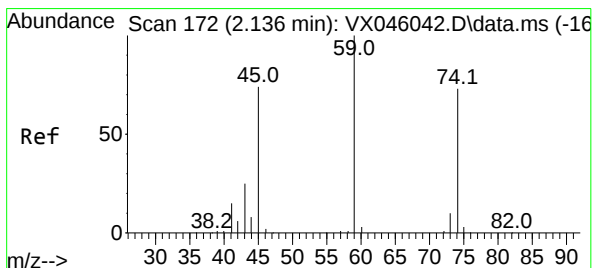
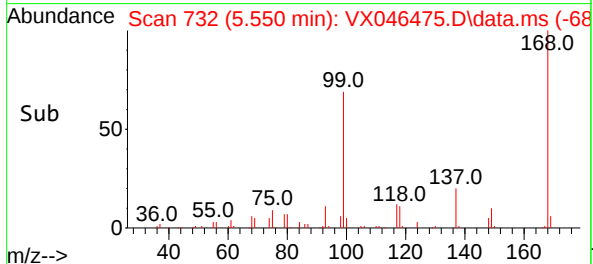
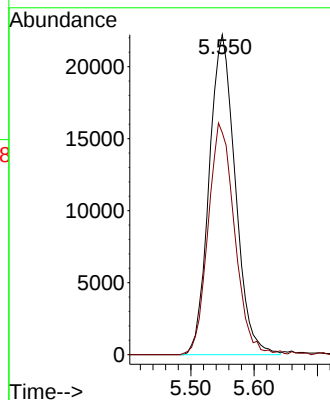
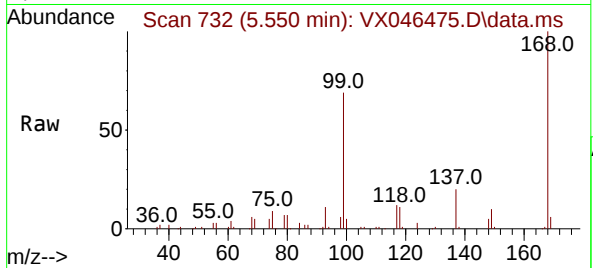




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

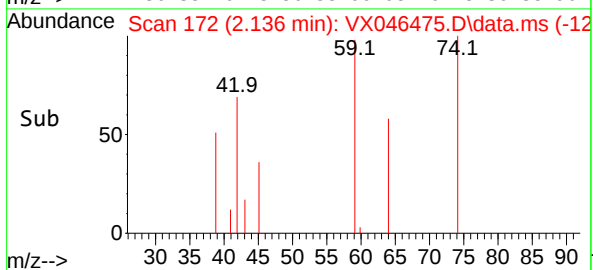
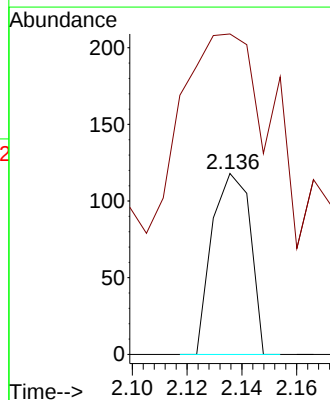
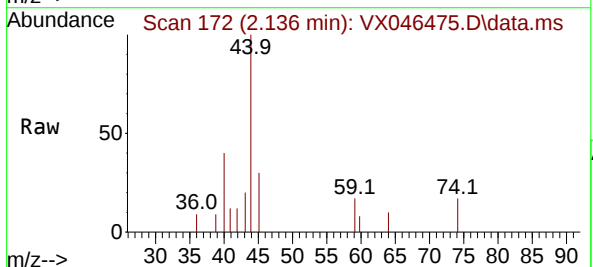
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-23

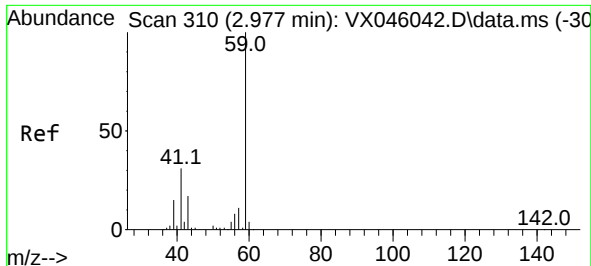
Tgt Ion:168 Resp: 63692
Ion Ratio Lower Upper
168 100
99 69.4 54.9 82.3



#8
Diethyl Ether
Concen: 0.258 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

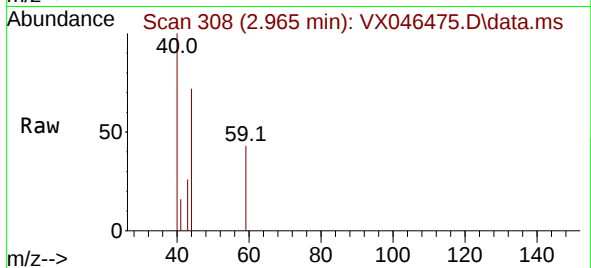
Tgt Ion: 74 Resp: 114
Ion Ratio Lower Upper
74 100
45 434.2 54.9 164.8#



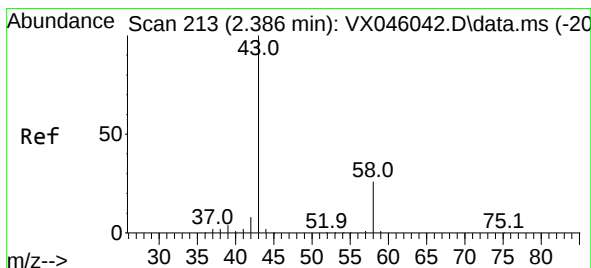
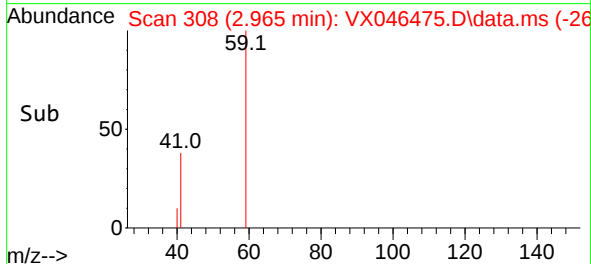
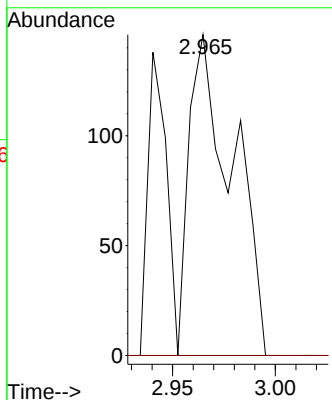


#11
Tert butyl alcohol
Concen: 1.302 ug/l
RT: 2.965 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-23

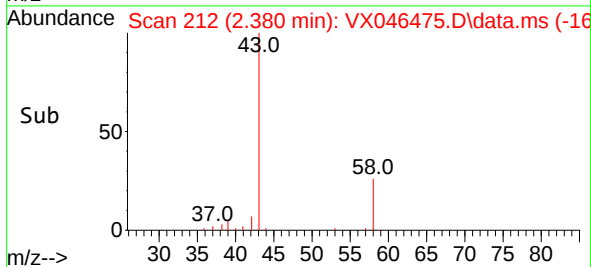
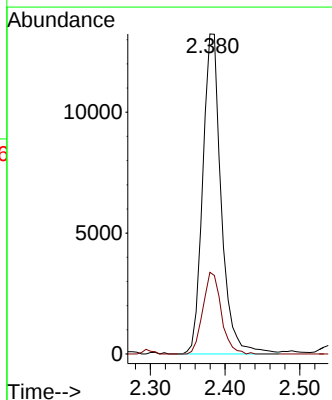
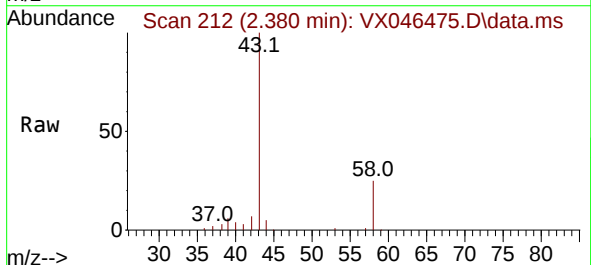


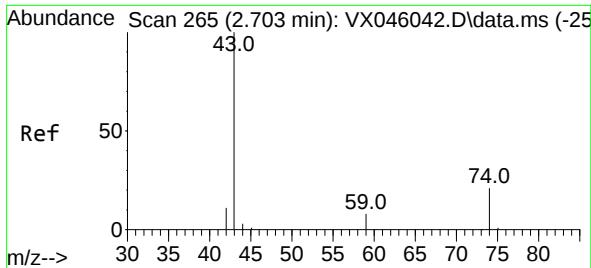
Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 47.826 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

Tgt Ion: 43 Resp: 22770
Ion Ratio Lower Upper
43 100
58 25.5 21.2 31.8

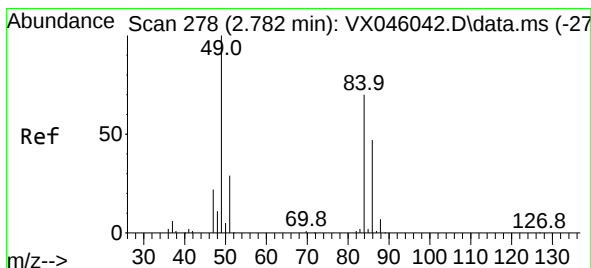
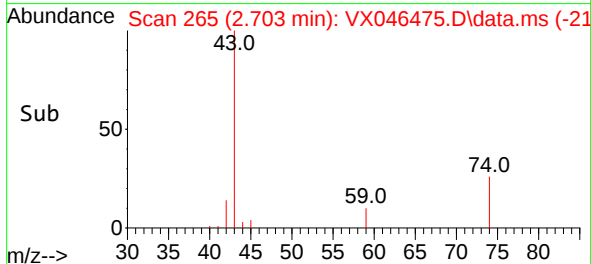
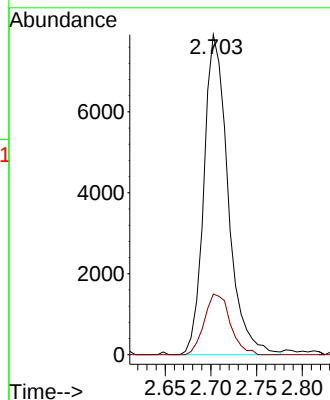
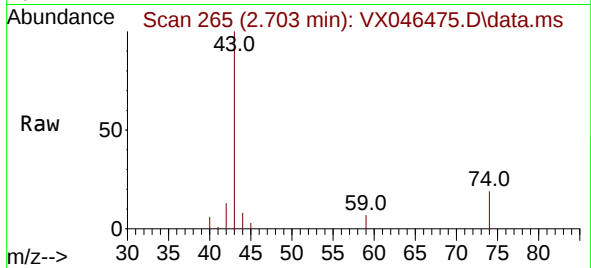




#18
Methyl Acetate
Concen: 13.164 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

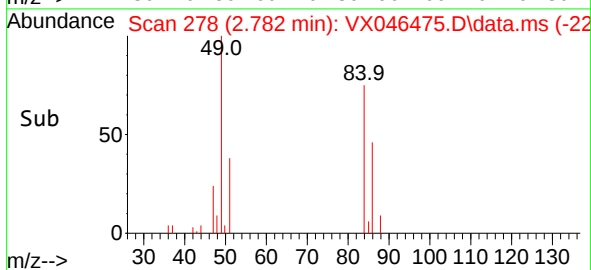
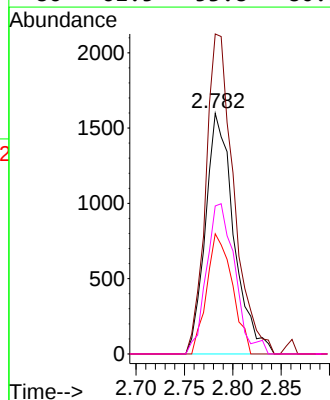
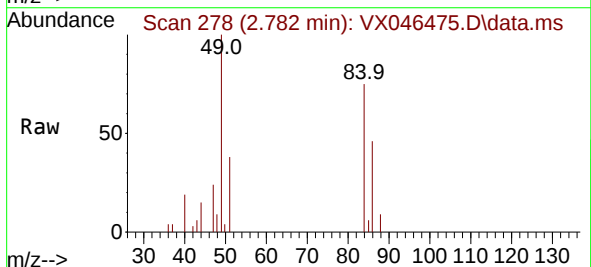
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-23

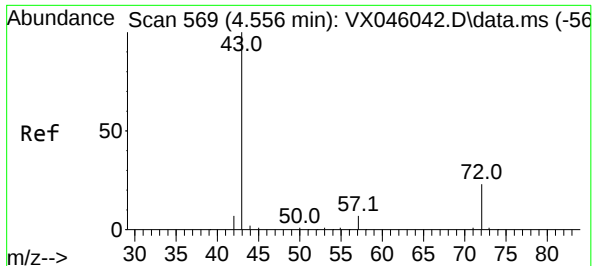
Tgt Ion: 43 Resp: 14544
Ion Ratio Lower Upper
43 100
74 20.2 16.7 25.1



#20
Methylene Chloride
Concen: 3.573 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

Tgt Ion: 84 Resp: 3260
Ion Ratio Lower Upper
84 100
49 133.0 113.9 170.9
51 49.9 33.5 50.3
86 61.5 53.8 80.8

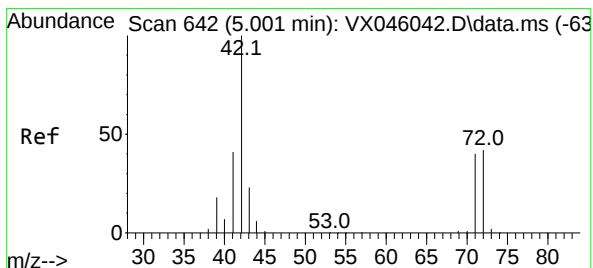
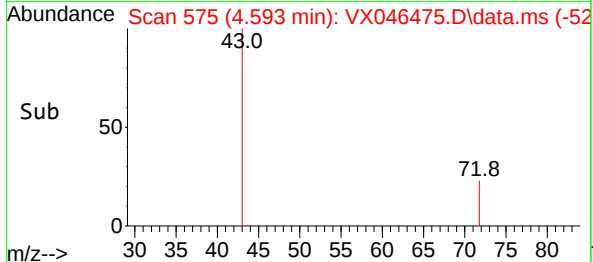
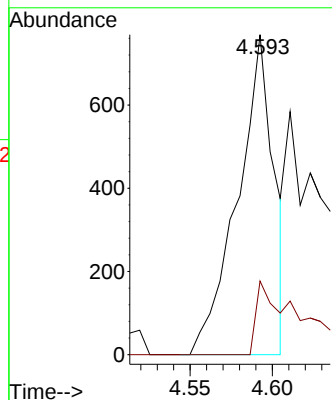
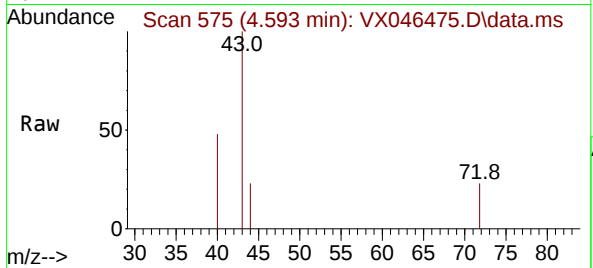




#25
2-Butanone
Concen: 1.704 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

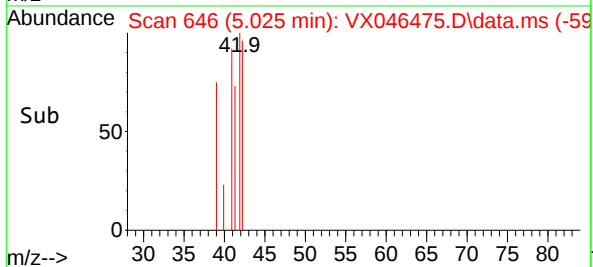
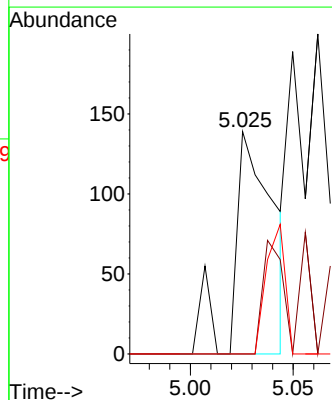
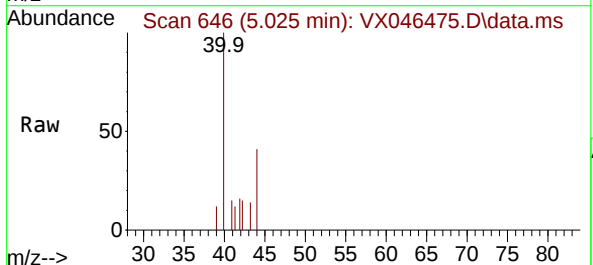
Instrument :
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ClientSampleId :
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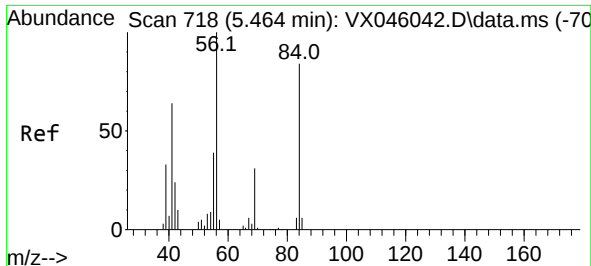
Tgt Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
72 23.0 18.4 27.6



#29
Tetrahydrofuran
Concen: 0.418 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

Tgt Ion: 42 Resp: 181
Ion Ratio Lower Upper
42 100
72 26.5 33.7 50.5#
71 28.2 31.4 47.2#

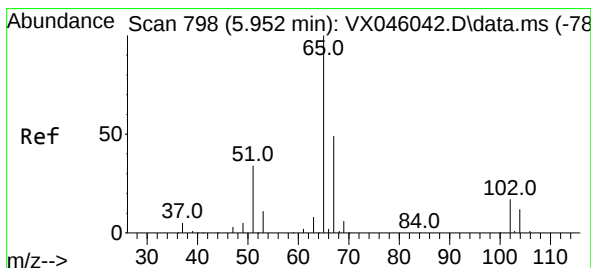
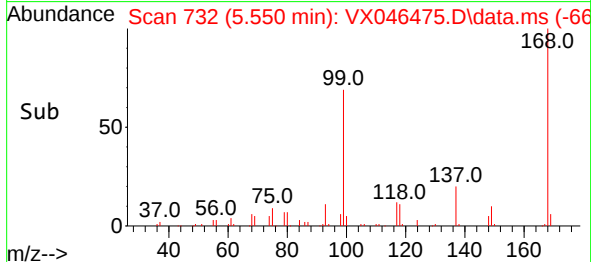
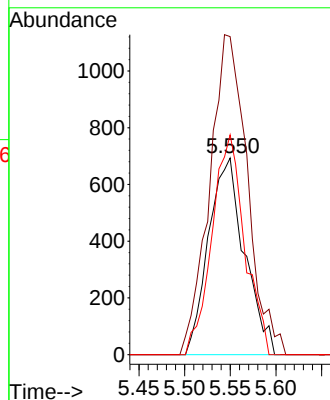
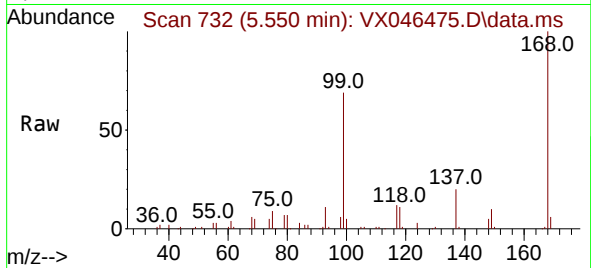




#31
Cyclohexane
Concen: 1.343 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

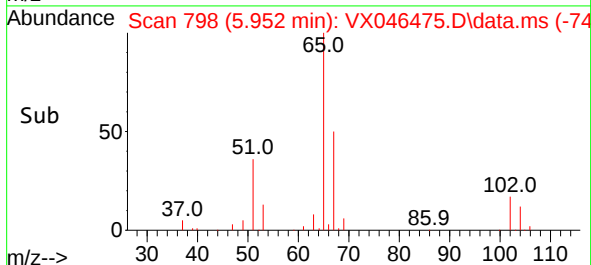
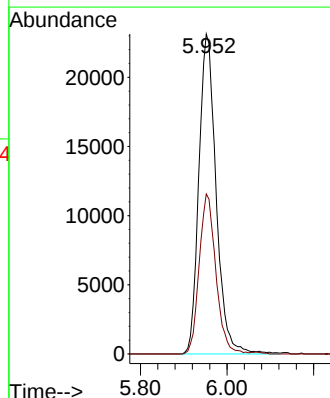
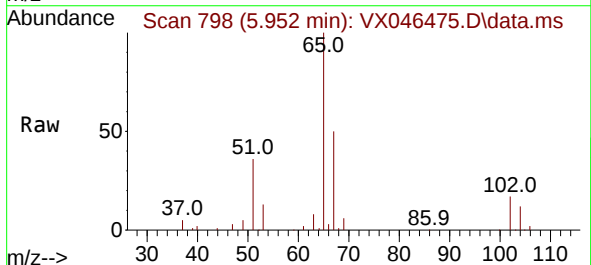
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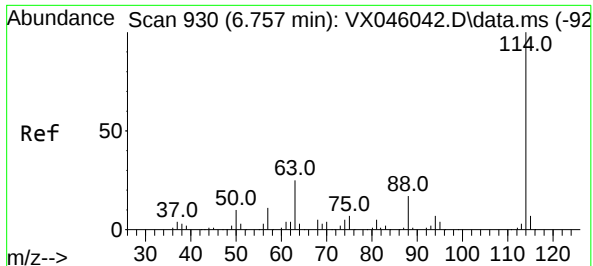
Tgt Ion: 56 Resp: 1901
Ion Ratio Lower Upper
56 100
69 161.8 24.4 36.6#
84 111.8 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 53.911 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

Tgt Ion: 65 Resp: 64015
Ion Ratio Lower Upper
65 100
67 48.3 0.0 99.0

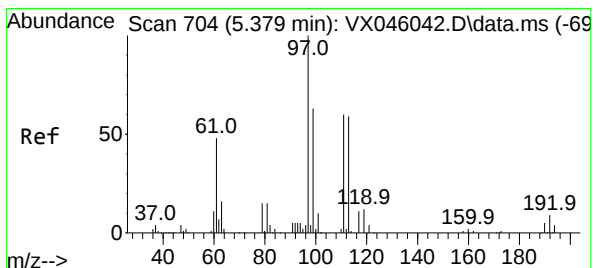
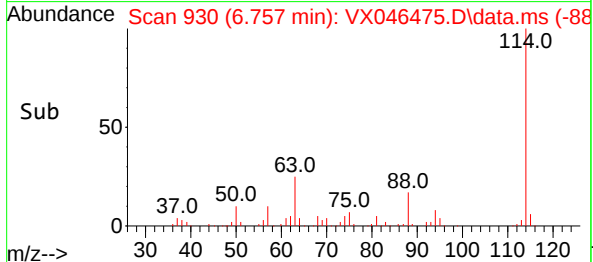
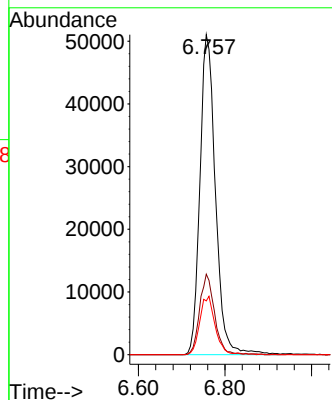
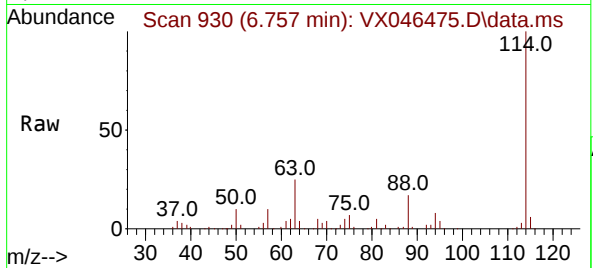




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

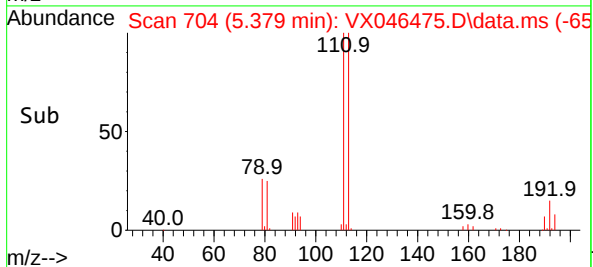
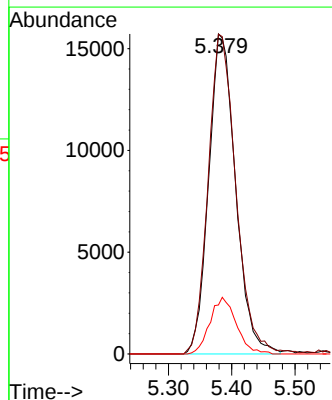
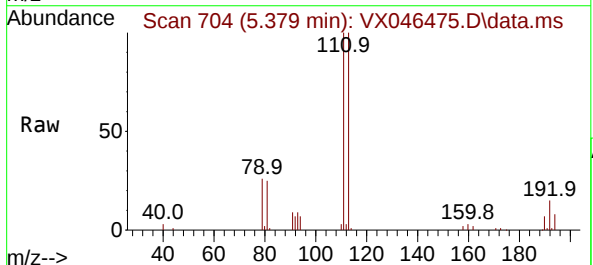
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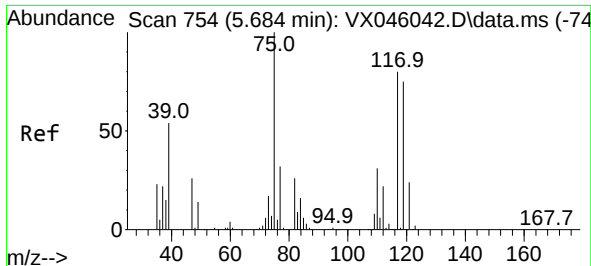
Tgt Ion:	114	Resp:	127082
Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	16.8	0.0	33.6



#35
Dibromofluoromethane
Concen: 50.719 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

Tgt Ion:	113	Resp:	46414
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	17.3	13.3	19.9

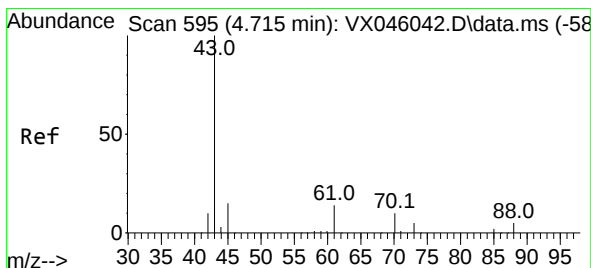
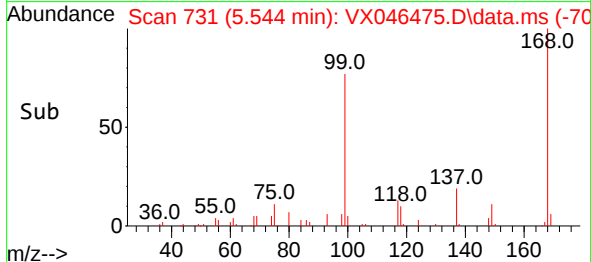
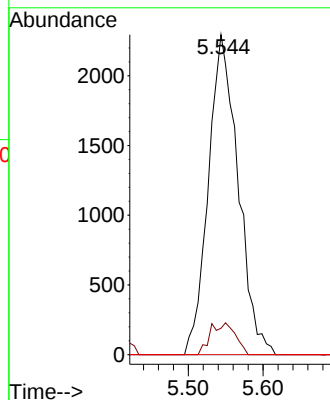
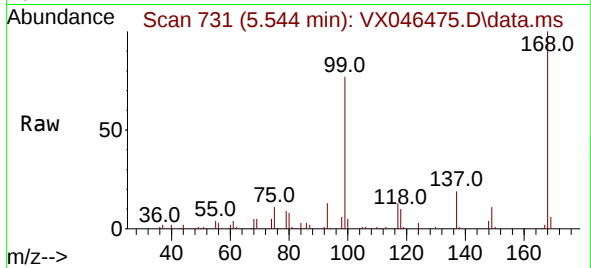




#36
1,1-Dichloropropene
Concen: 5.163 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

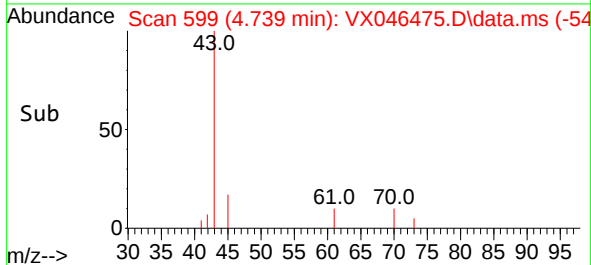
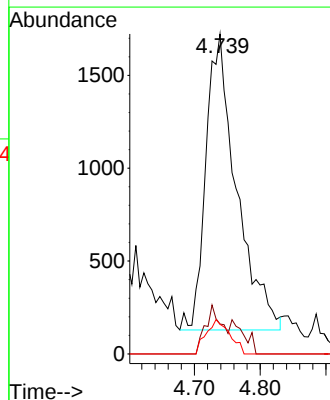
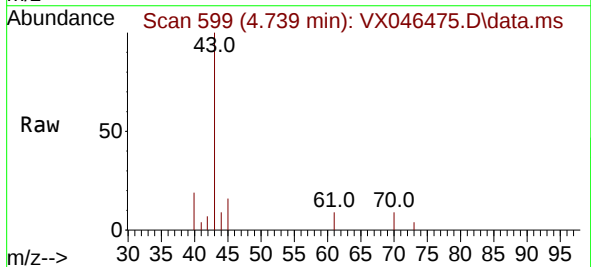
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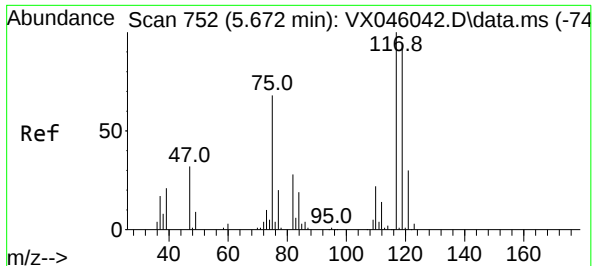
Tgt Ion: 75 Resp: 6348
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 3.395 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

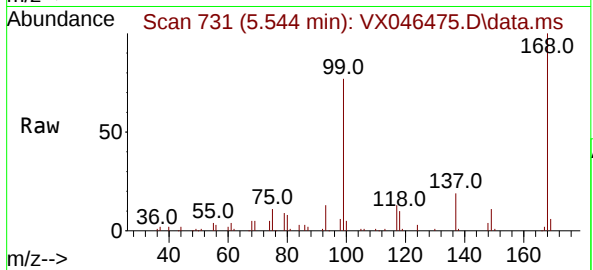
Tgt Ion: 43 Resp: 5157
Ion Ratio Lower Upper
43 100
61 9.0 10.3 15.5#
70 8.9 7.9 11.9



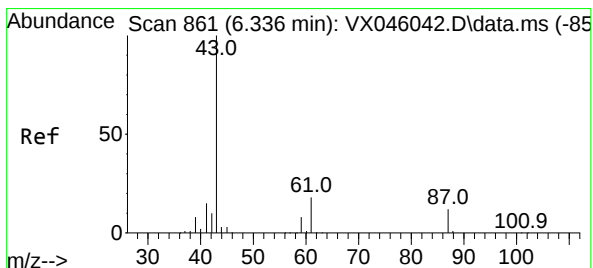
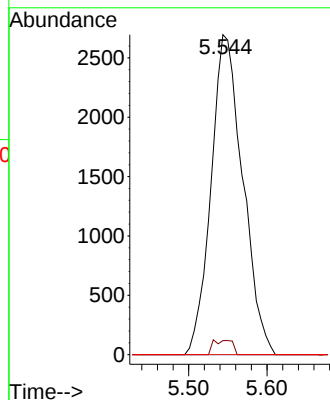
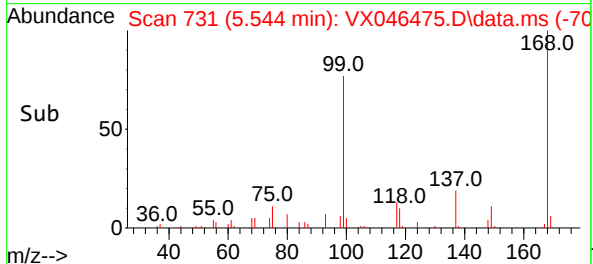


#38
Carbon Tetrachloride
Concen: 5.484 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-23

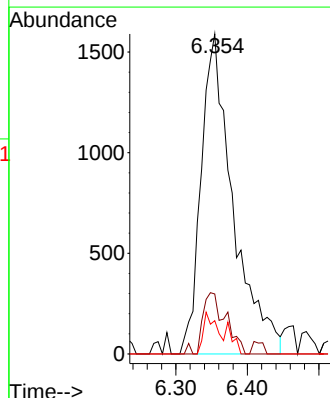
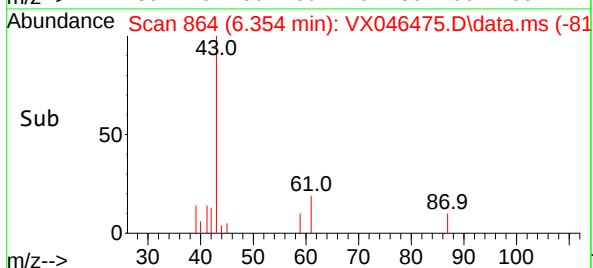
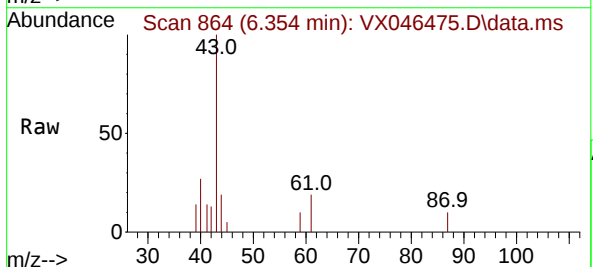


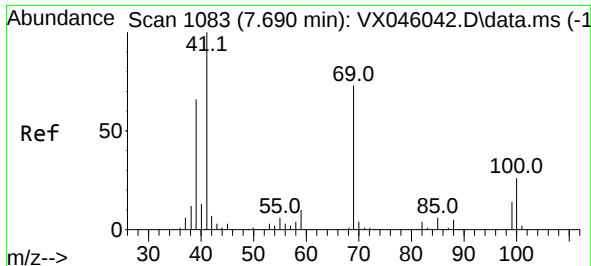
Tgt Ion:117 Resp: 7576
Ion Ratio Lower Upper
117 100
119 4.4 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 2.124 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

Tgt Ion: 43 Resp: 4923
Ion Ratio Lower Upper
43 100
61 13.9 14.3 21.5#
87 5.6 9.5 14.3#

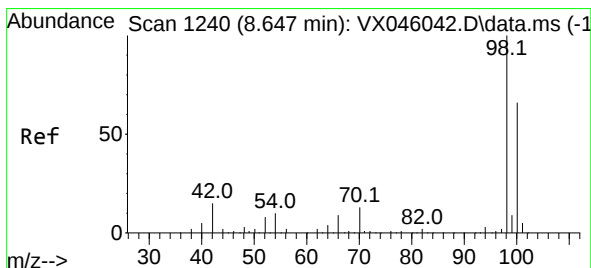
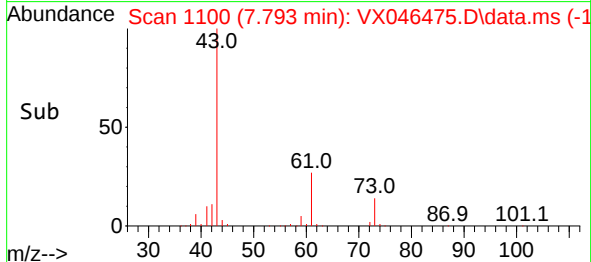
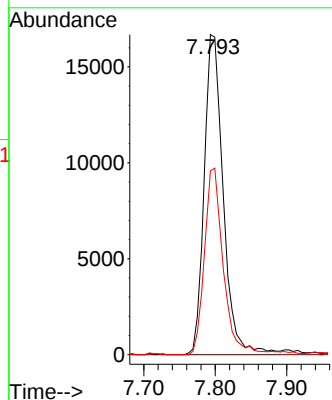
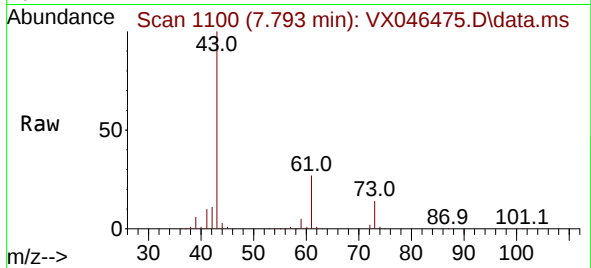




#48
Methyl methacrylate
Concen: 26.112 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

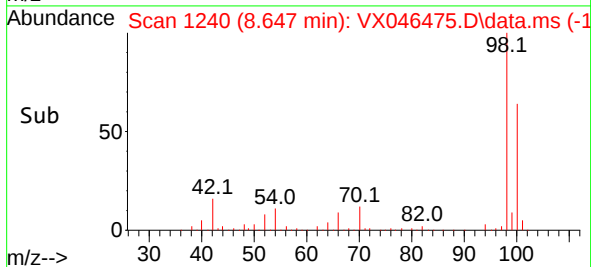
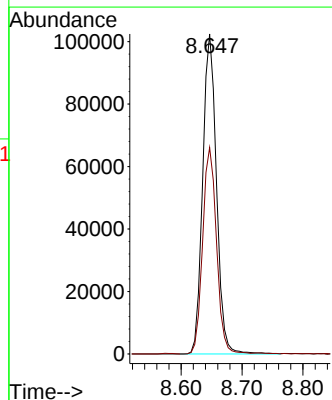
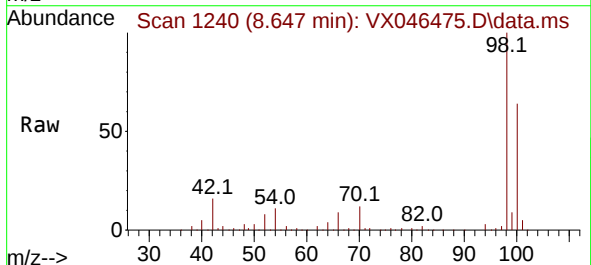
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-23

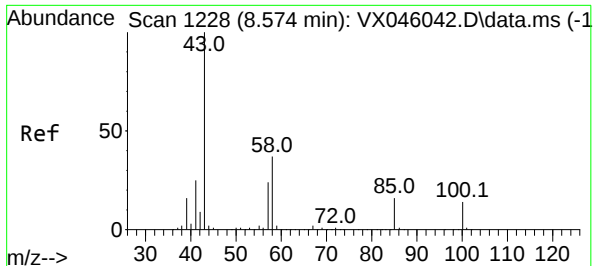
Tgt Ion: 41 Resp: 30905
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.3 51.7 77.5



#50
Toluene-d8
Concen: 50.872 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

Tgt Ion: 98 Resp: 161129
Ion Ratio Lower Upper
98 100
100 64.8 53.5 80.3

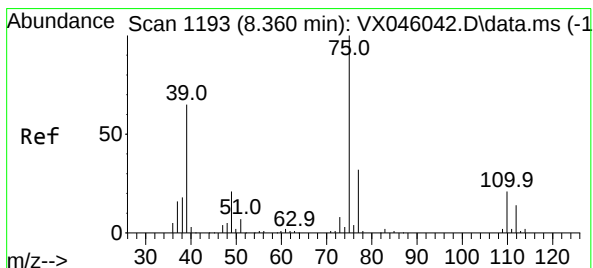
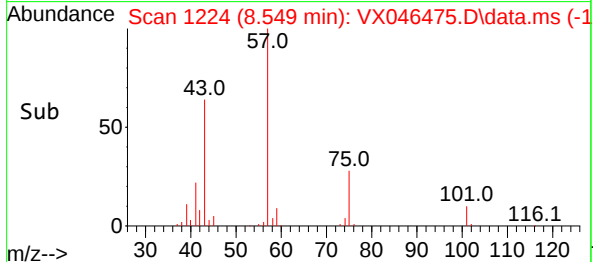
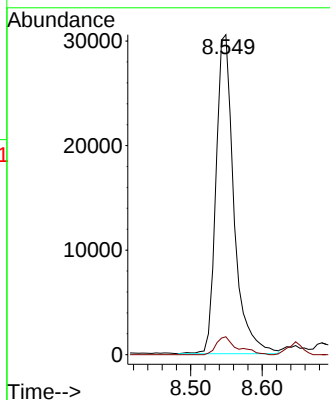
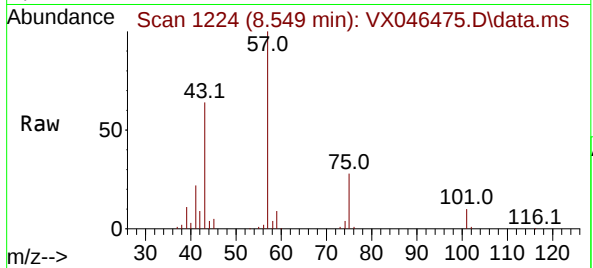




#51
4-Methyl-2-Pentanone
Concen: 34.446 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

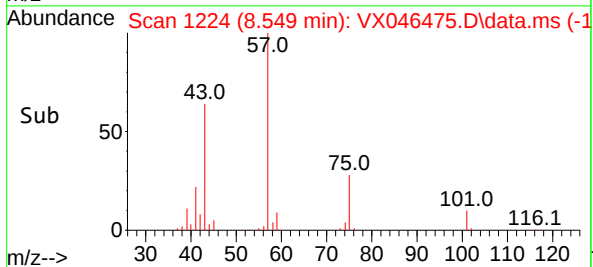
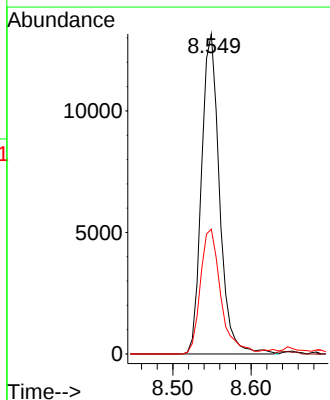
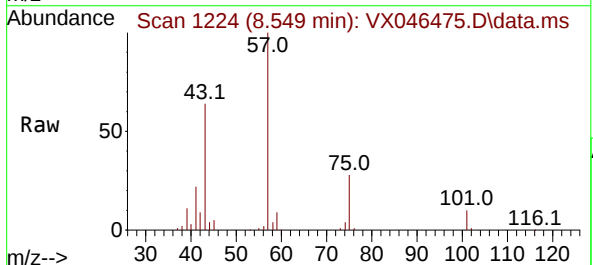
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-23

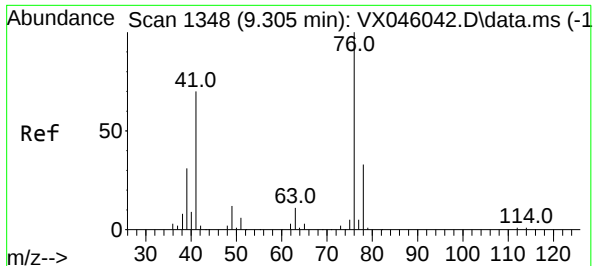
Tgt Ion: 43 Resp: 52989
Ion Ratio Lower Upper
43 100
58 6.5 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 15.386 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

Tgt Ion: 75 Resp: 21027
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 39.0 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.636 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.183 min

Lab File: VX046475.D

Acq: 03 Jun 2025 16:06

Instrument :

MSVOA_X

ClientSampleId :

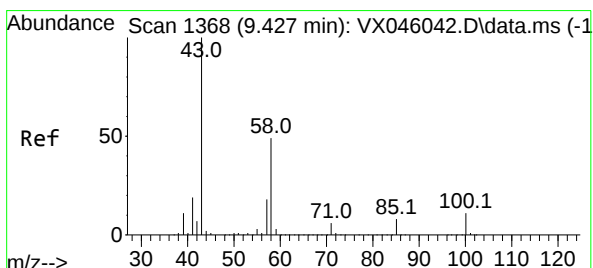
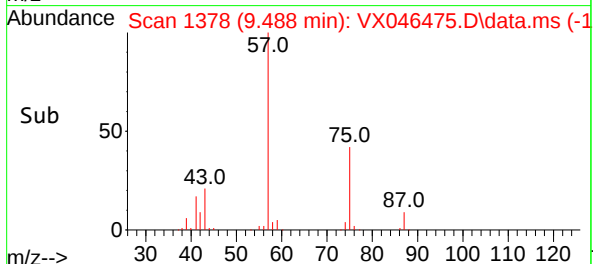
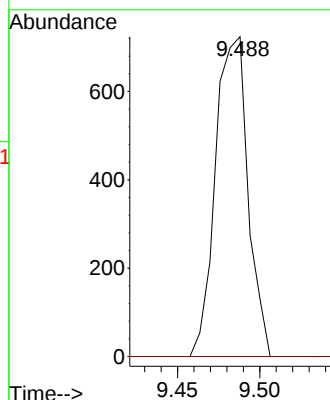
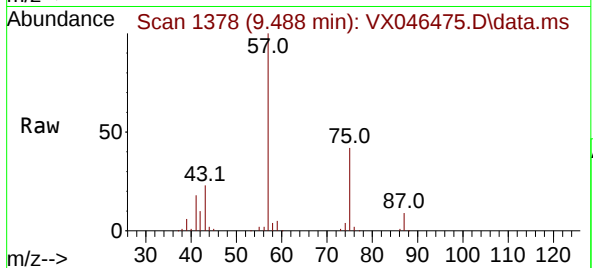
OR-400-CF-402B-COMP-23

Tgt Ion: 76 Resp: 995

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 8.941 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046475.D

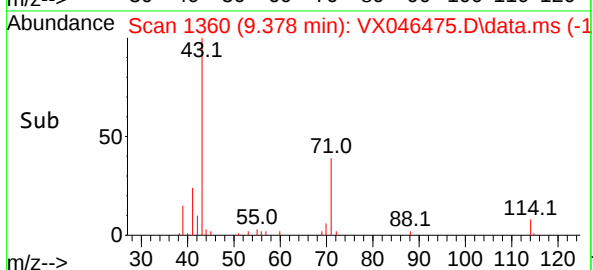
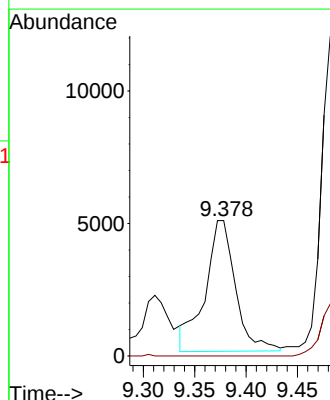
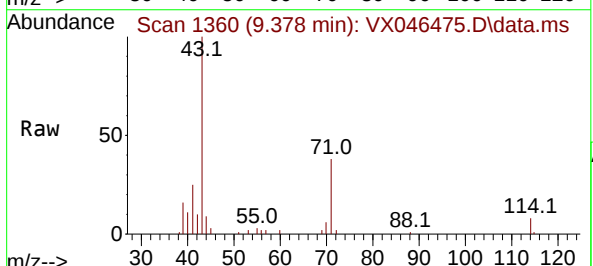
Acq: 03 Jun 2025 16:06

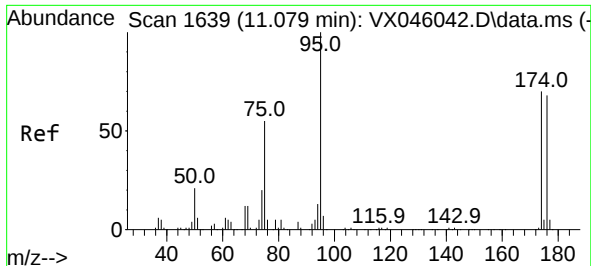
Tgt Ion: 43 Resp: 10176

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

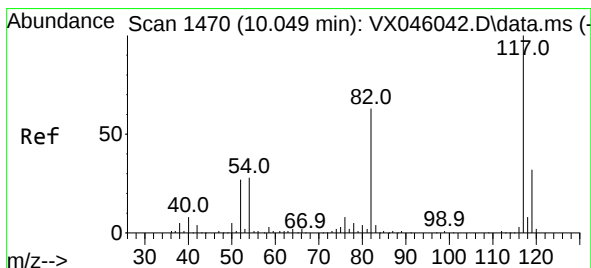
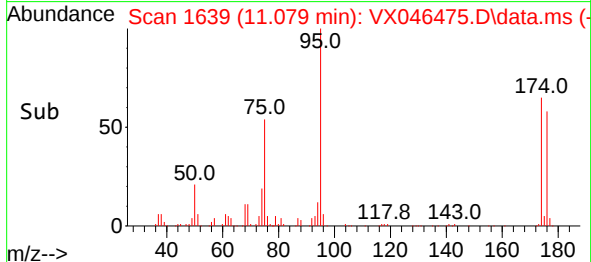
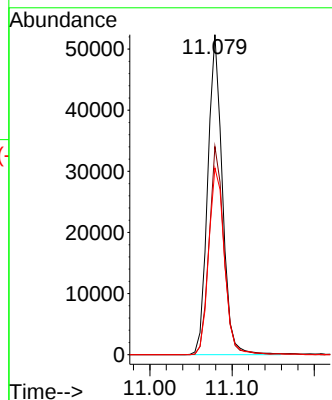
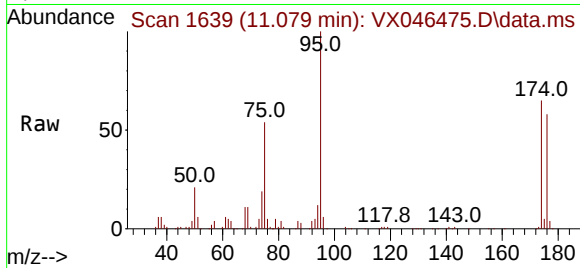




#62
4-Bromofluorobenzene
Concen: 53.134 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

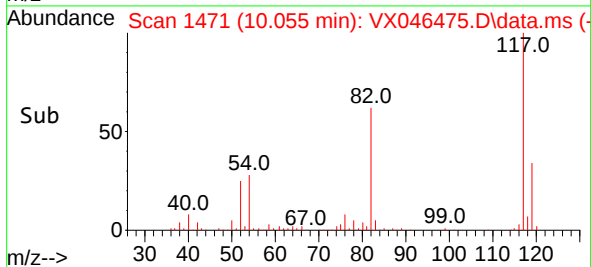
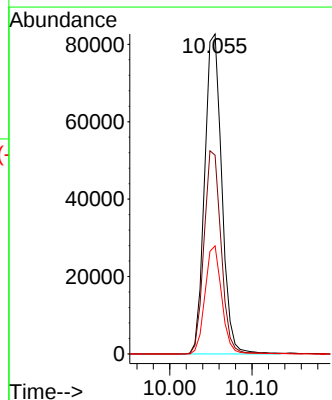
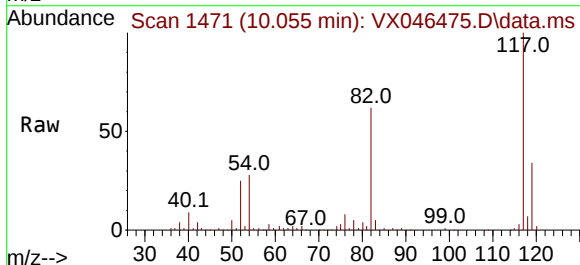
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-23

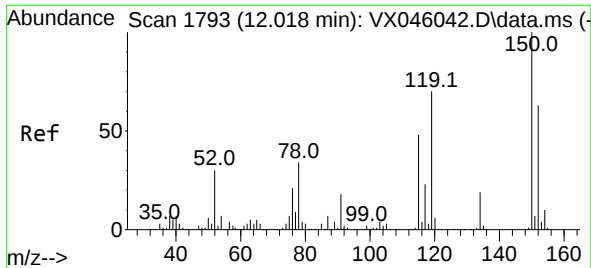
Tgt Ion: 95 Resp: 64556
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.8
176 62.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046475.D
Acq: 03 Jun 2025 16:06

Tgt Ion: 117 Resp: 119747
Ion Ratio Lower Upper
117 100
82 62.1 50.6 76.0
119 33.8 25.8 38.6

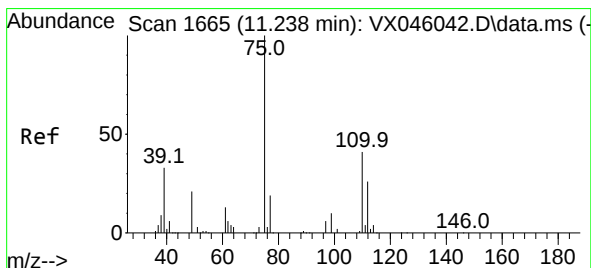
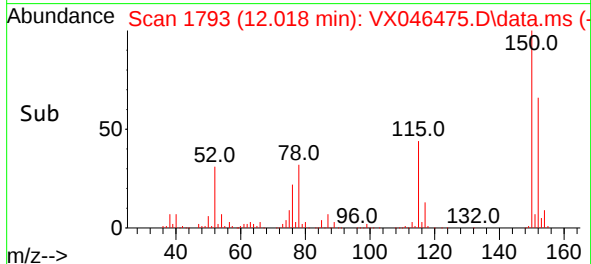
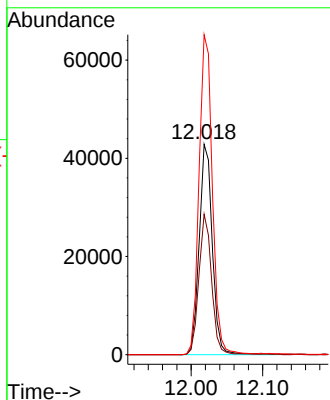
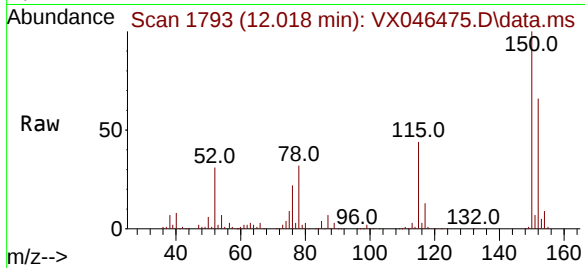




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046475.D
 Acq: 03 Jun 2025 16:06

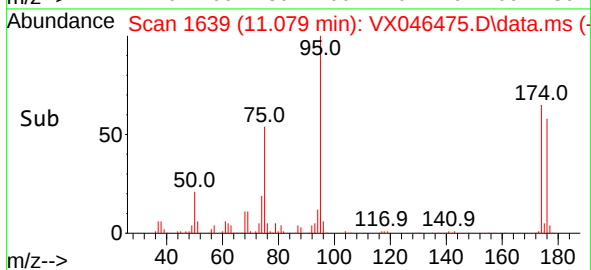
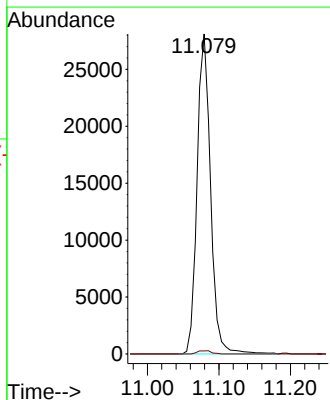
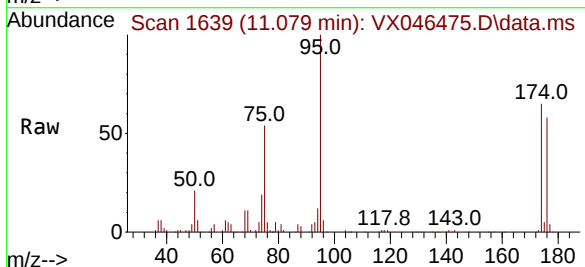
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-400-CF-402B-COMP-23

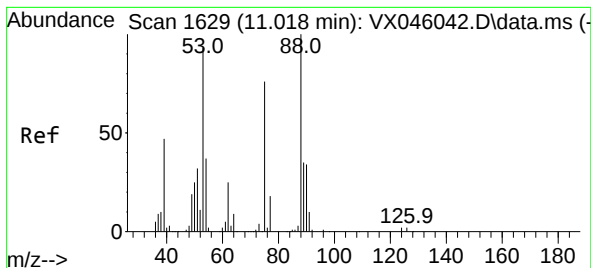
Tgt Ion:152 Resp: 54628
 Ion Ratio Lower Upper
 152 100
 115 64.8 46.9 140.7
 150 154.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 27.870 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046475.D
 Acq: 03 Jun 2025 16:06

Tgt Ion: 75 Resp: 36647
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 90.736 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX046475.D

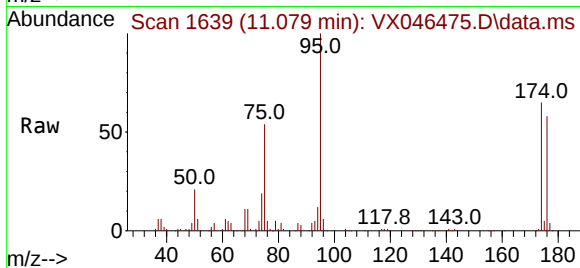
Acq: 03 Jun 2025 16:06

Instrument :

MSVOA_X

ClientSampleId :

OR-400-CF-402B-COMP-23



Tgt Ion: 75 Resp: 36647

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#

