

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
 Data File : VL042629.D
 Acq On : 16 Jun 2025 15:12
 Operator : SY/MD
 Sample : Q2317-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 115-IA-2

Quant Time: Jun 17 03:06:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

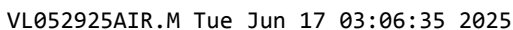
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

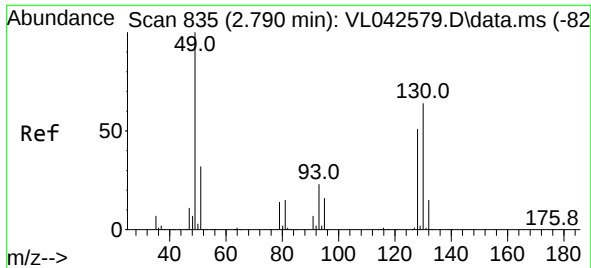
Internal Standards						
1) Bromochloromethane	2.790	49	106087	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	286951	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	264656	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	201774	10.170	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 101.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	6451	0.495	ppbv	95
3) Chlorodifluoromethane	1.466	51	95463	5.316	ppbv #	64
4) Chloromethane	1.531	50	3632	0.703	ppbv	94
6) Bromomethane	1.667	94	117	0.046	ppbv #	43
7) Chloroethane	1.706	64	92	0.045	ppbv	97
9) Propene	1.560	41	126112	17.439	ppbv	98
10) Heptane	4.985	43	2218	0.109	ppbv #	28
11) Trichlorofluoromethane	1.877	101	65222	5.376	ppbv	95
12) 1,1,2-Trichlorotrifluo...	1.877	101	65222	6.847	ppbv #	15
13) Ethanol	1.722	45	486754	564.798	ppbv	98
15) Acetone	1.835	43	410961	32.160	ppbv	99
16) 1,3-Butadiene	1.622	39	32247	5.327	ppbv #	17
17) tert-Butyl alcohol	2.043	59	5634	0.423	ppbv	98
19) Isopropyl Alcohol	1.887	45	78614	10.291	ppbv #	1
20) Methylene Chloride	2.062	84	2472	0.586	ppbv #	93
21) Allyl Chloride	2.046	41	1426	0.158	ppbv #	33
23) Vinyl Acetate	2.457	43	21446	1.242	ppbv #	94
25) Ethyl Acetate	2.842	43	32533	0.930	ppbv #	91
26) Hexane	2.829	57	15180	0.955	ppbv	95
27) Carbon Disulfide	2.149	76	416	0.034	ppbv #	1
29) Chloroform	2.852	83	6100	0.295	ppbv	100
34) 2-Butanone	2.564	43	46400	2.267	ppbv	98
35) Carbon Tetrachloride	3.768	117	1051	0.055	ppbv #	71
36) Benzene	3.661	78	9624	0.341	ppbv #	91
37) 1,2-Dichloroethane	3.221	62	624	0.044	ppbv #	86
39) 1,2-Dichloropropane	3.962	63	71630	6.855	ppbv #	23
41) Tetrahydrofuran	3.065	42	18450	1.540	ppbv	93
53) Toluene	6.936	91	19503	0.597	ppbv	100
58) Ethyl Benzene	9.361	91	4016	0.089	ppbv #	85
59) m/p-Xylene	9.539	91	7325	0.207	ppbv #	80
60) o-Xylene	9.969	91	3689	0.105	ppbv	99
61) Styrene	9.878	104	1251	0.075	ppbv #	54
62) Isopropylbenzene	10.811	105	23844	0.458	ppbv #	49
66) Benzyl Chloride	11.542	91	1208	0.199	ppbv #	76
69) p-Isopropyltoluene	11.930	119	30528	0.549	ppbv	93
71) 2-Chlorotoluene	10.862	91	18195	0.458	ppbv #	45
74) 1,2,4-Trimethylbenzene	11.539	105	5204	0.129	ppbv #	67
75) 1,3-Dichlorobenzene	11.675	146	559989	22.102	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	559989	22.160	ppbv	99
77) 1,2-Dichlorobenzene	11.675	146	559989	22.772	ppbv	99

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

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Quant Time: Jun 17 03:06:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

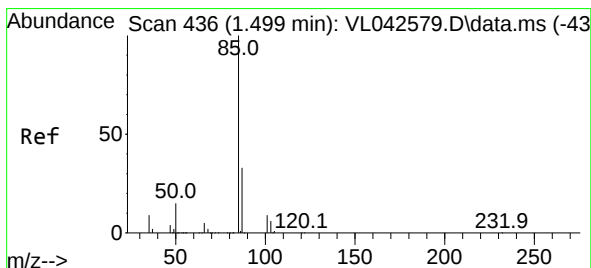
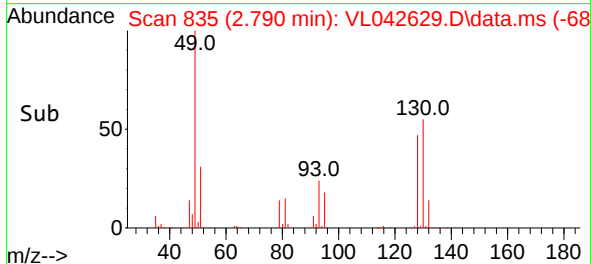
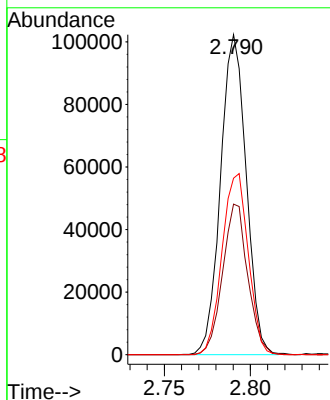
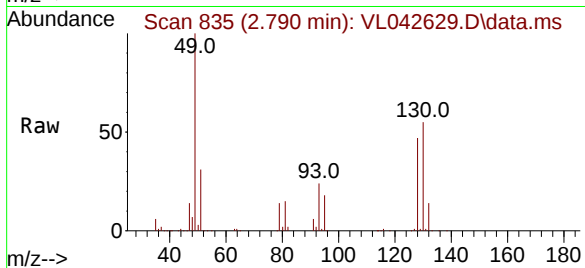




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

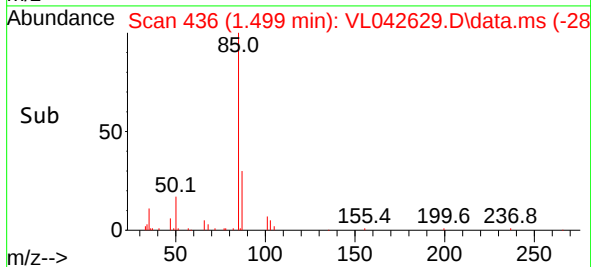
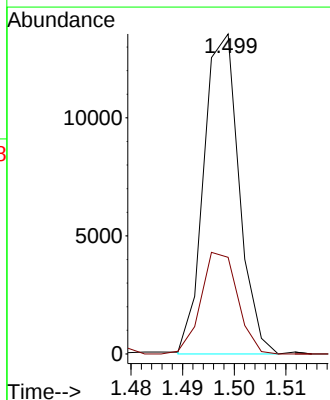
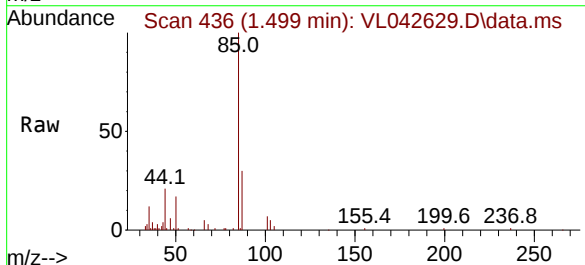
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

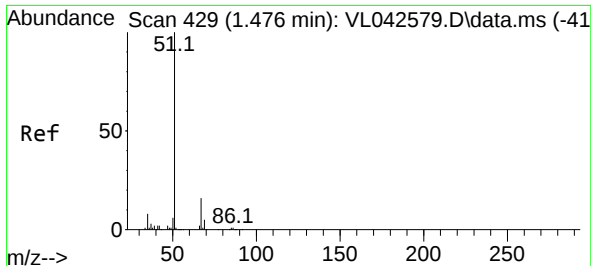
Tgt Ion: 49 Resp: 106087
Ion Ratio Lower Upper
49 100
128 46.2 24.2 72.6
130 57.9 30.4 91.2



#2
Dichlorodifluoromethane
Concen: 0.495 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 85 Resp: 6451
Ion Ratio Lower Upper
85 100
87 30.2 26.6 39.8

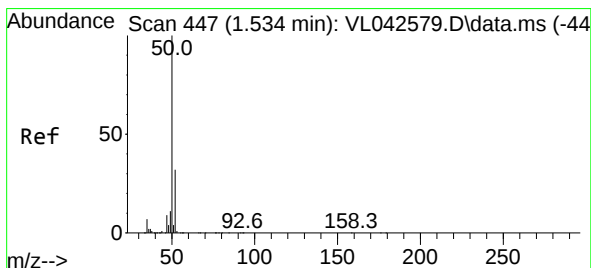
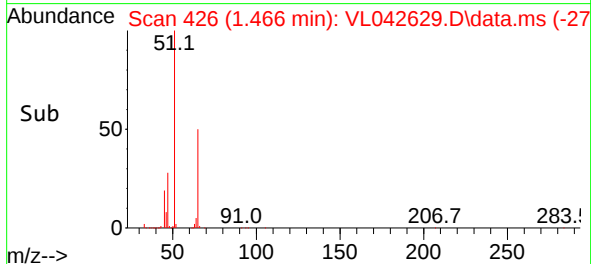
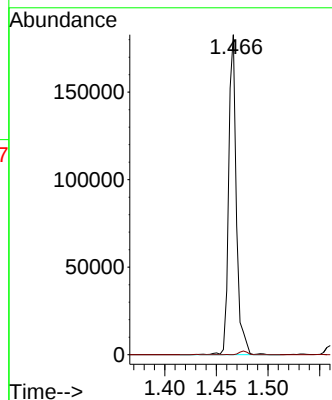
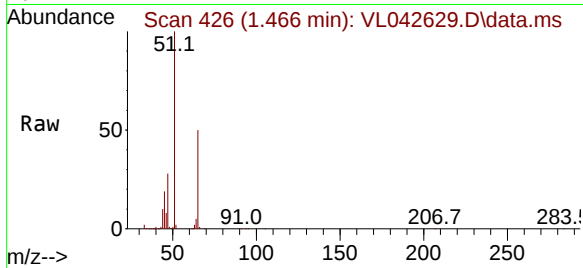




#3
Chlorodifluoromethane
Concen: 5.316 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

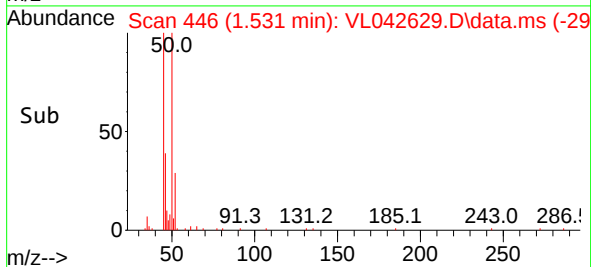
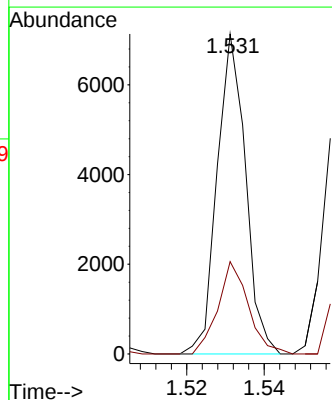
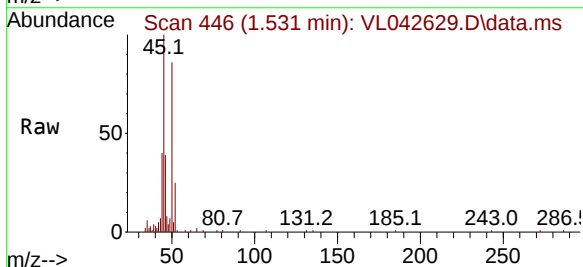
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

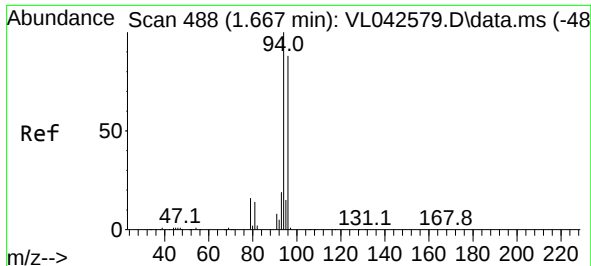
Tgt Ion: 51 Resp: 95463
Ion Ratio Lower Upper
51 100
67 1.2 13.4 20.2#



#4
Chloromethane
Concen: 0.703 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 50 Resp: 3632
Ion Ratio Lower Upper
50 100
52 28.8 25.8 38.6

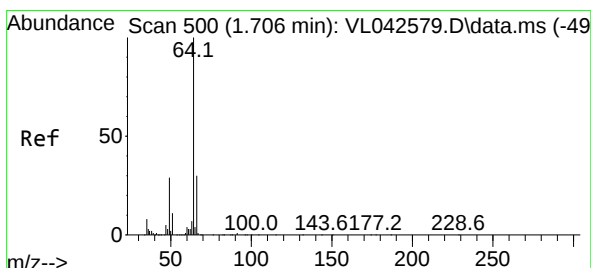
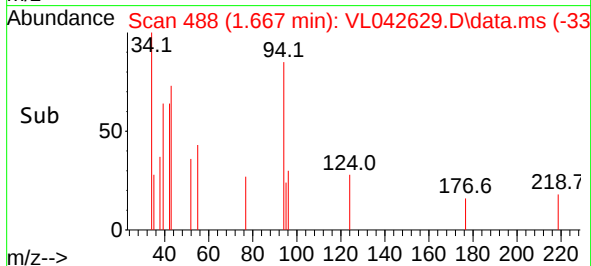
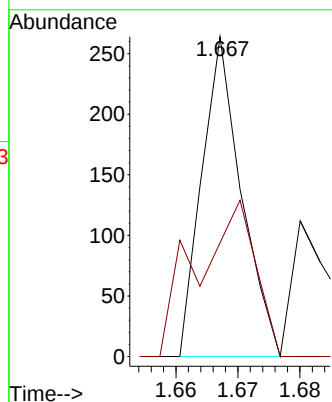
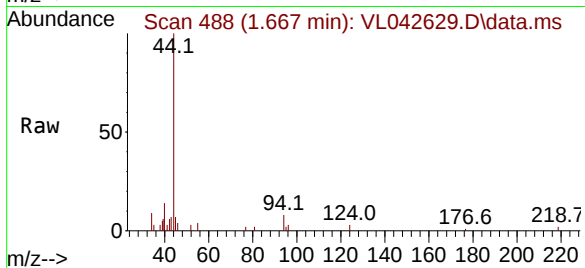




#6
Bromomethane
Concen: 0.046 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

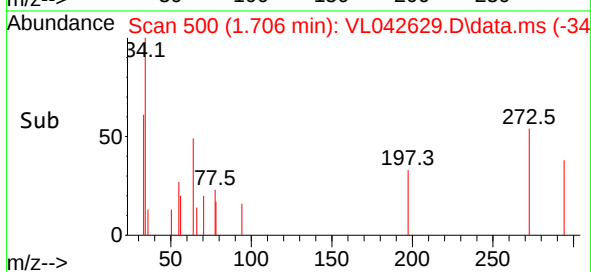
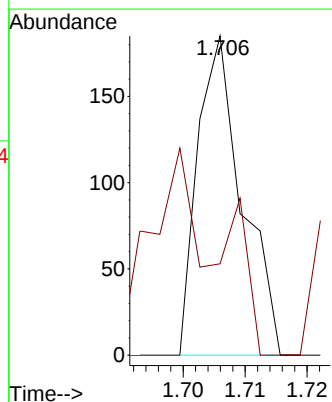
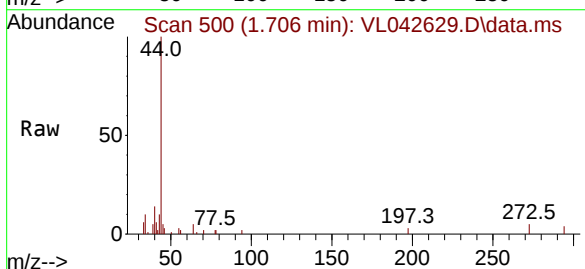
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

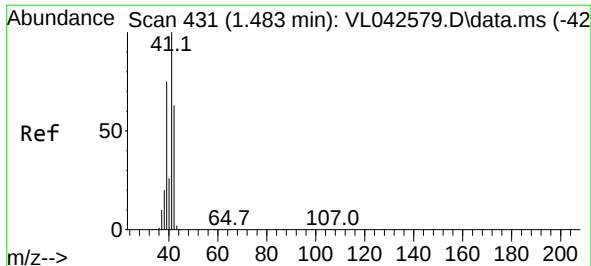
Tgt Ion: 94 Resp: 117
Ion Ratio Lower Upper
94 100
96 35.6 70.7 106.1#



#7
Chloroethane
Concen: 0.045 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 64 Resp: 92
Ion Ratio Lower Upper
64 100
66 28.6 24.3 36.5





#9

Propene

Concen: 17.439 ppbv

RT: 1.560 min Scan# 41

Delta R.T. 0.078 min

Lab File: VL042629.D

Acq: 16 Jun 2025 15:12

Instrument :

MSVOA_1

ClientSampleId :

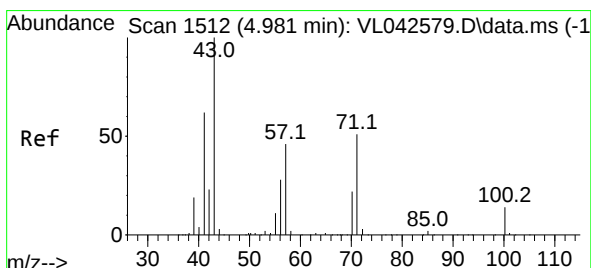
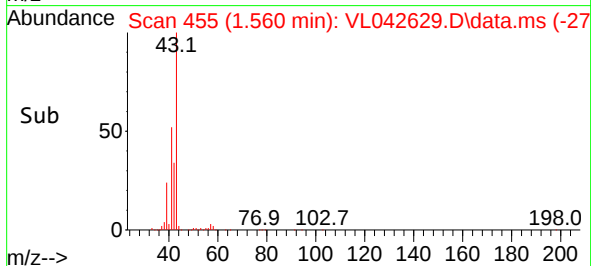
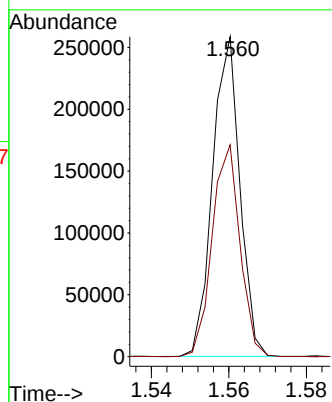
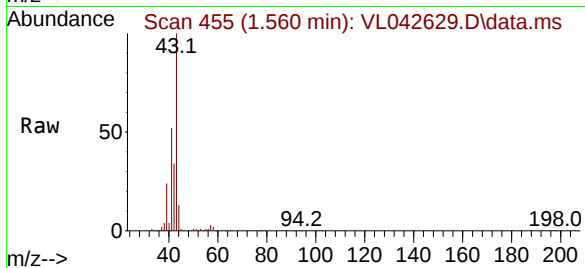
115-IA-2

Tgt Ion: 41 Resp: 126112

Ion Ratio Lower Upper

41 100

42 68.0 53.3 79.9



#10

Heptane

Concen: 0.109 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.003 min

Lab File: VL042629.D

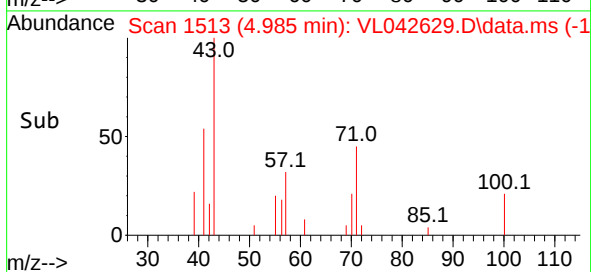
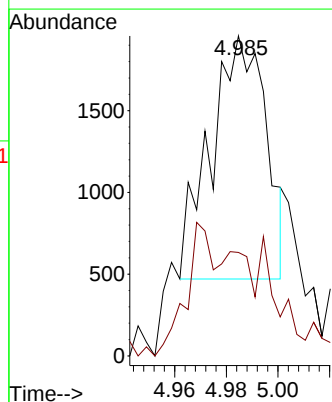
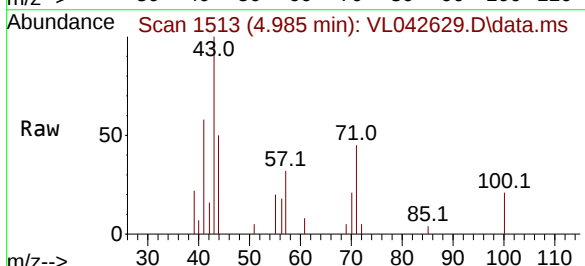
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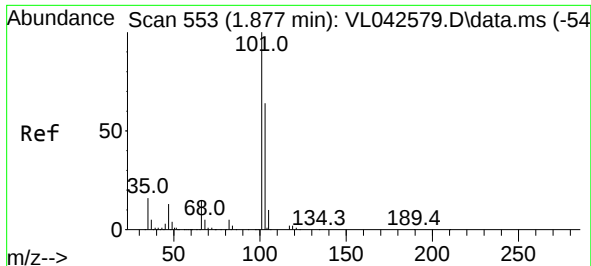
Tgt Ion: 43 Resp: 2218

Ion Ratio Lower Upper

43 100

57 0.0 38.9 58.3#

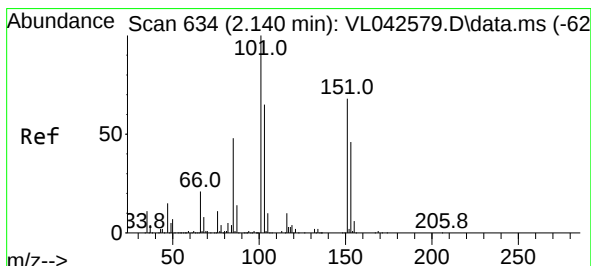
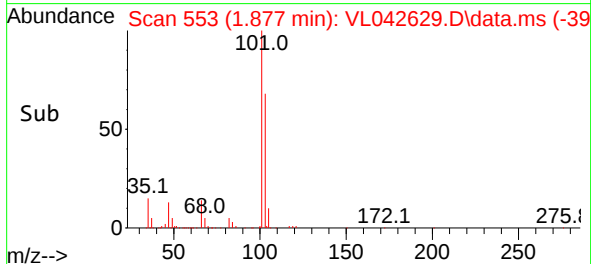
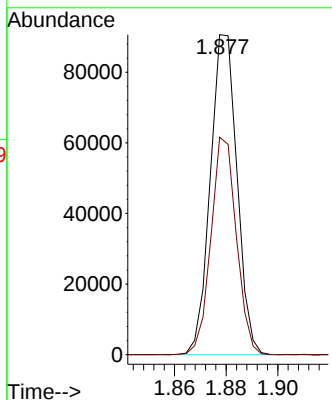
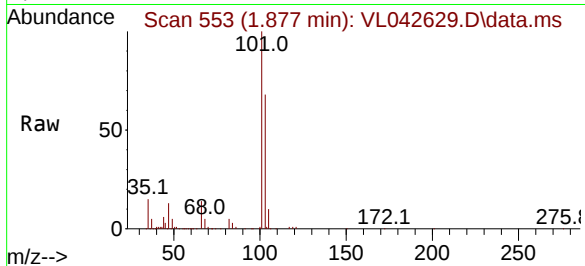




#11
 Trichlorofluoromethane
 Concen: 5.376 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042629.D
 Acq: 16 Jun 2025 15:12

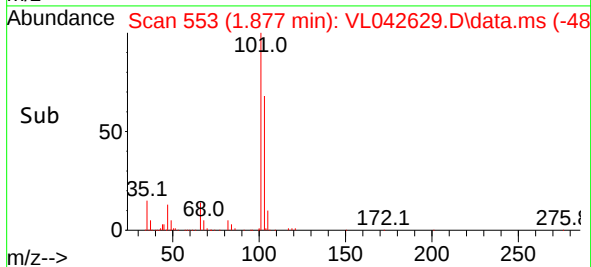
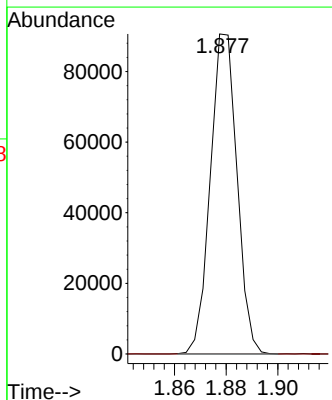
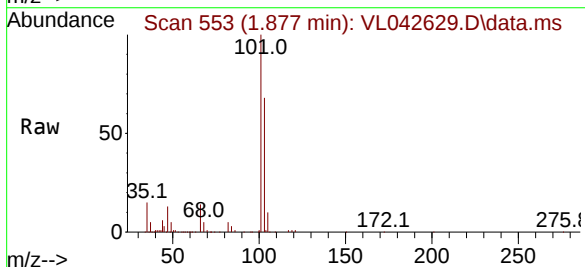
Instrument :
 MSVOA_1
 ClientSampleId :
 115-IA-2

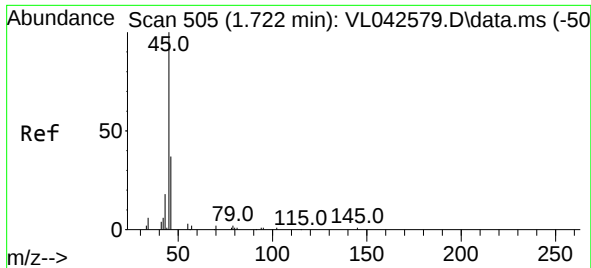
Tgt Ion:101 Resp: 65222
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.847 ppbv
 RT: 1.877 min Scan# 553
 Delta R.T. -0.262 min
 Lab File: VL042629.D
 Acq: 16 Jun 2025 15:12

Tgt Ion:101 Resp: 65222
 Ion Ratio Lower Upper
 101 100
 151 0.0 55.3 82.9#

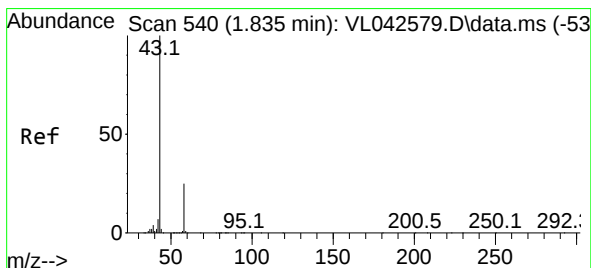
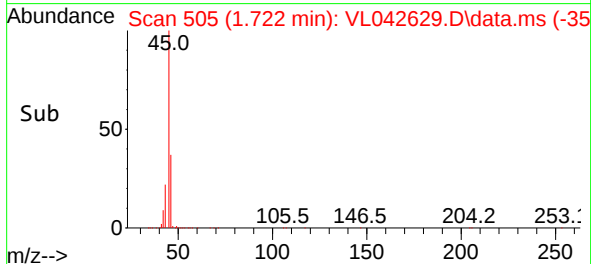
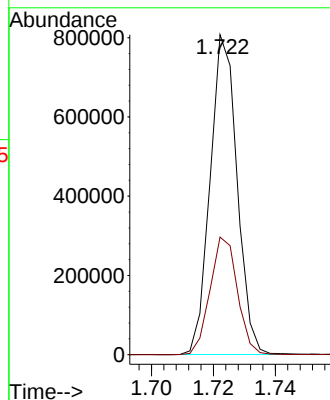
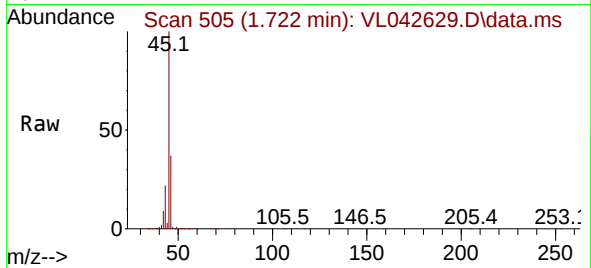




#13
Ethanol
Concen: 564.798 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

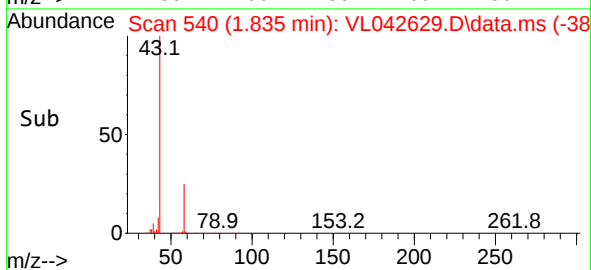
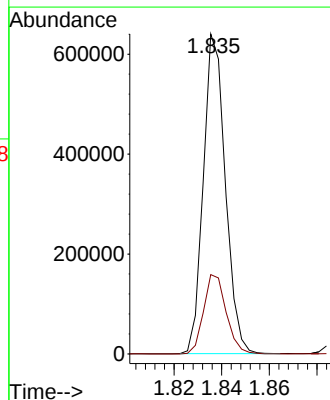
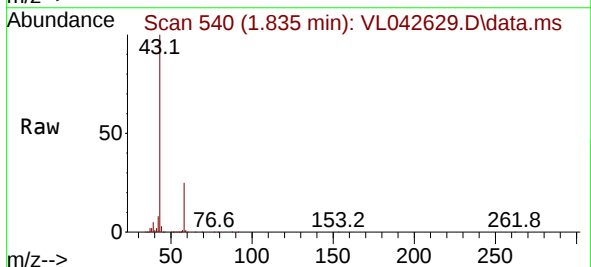
Instrument :
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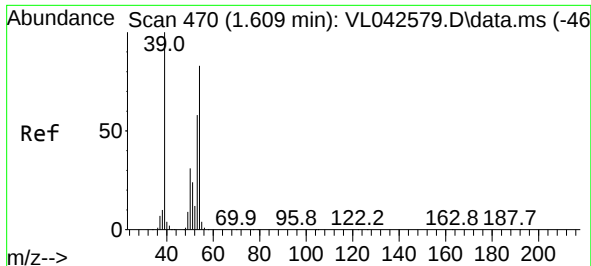
Tgt Ion: 45 Resp: 486754
Ion Ratio Lower Upper
45 100
46 37.6 14.5 58.1



#15
Acetone
Concen: 32.160 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 43 Resp: 410961
Ion Ratio Lower Upper
43 100
58 25.6 21.0 31.4

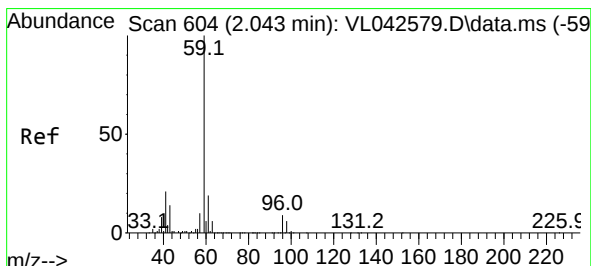
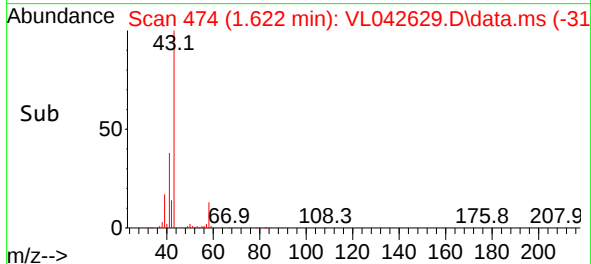
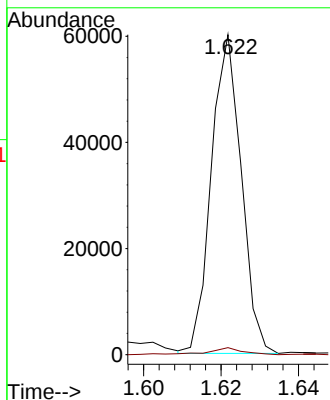
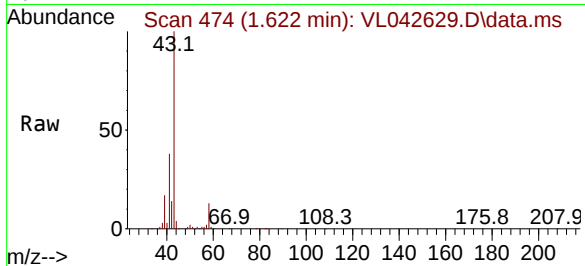




#16
1,3-Butadiene
Concen: 5.327 ppbv
RT: 1.622 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

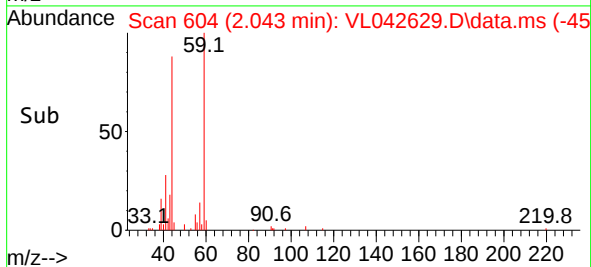
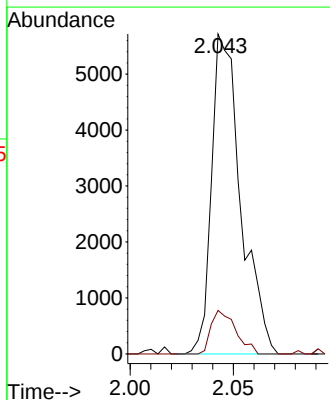
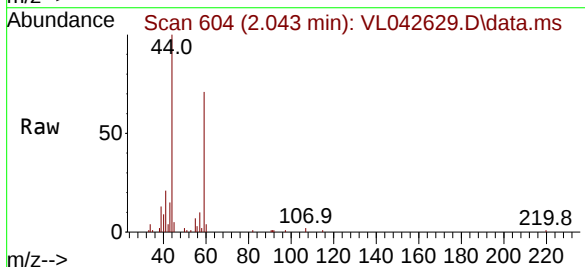
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

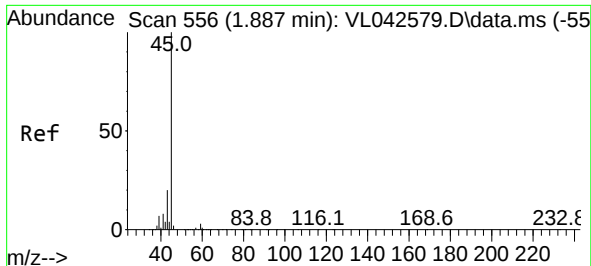
Tgt Ion: 39 Resp: 32247
Ion Ratio Lower Upper
39 100
54 3.0 57.9 86.9#



#17
tert-Butyl alcohol
Concen: 0.423 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 59 Resp: 5634
Ion Ratio Lower Upper
59 100
57 11.5 8.6 12.8

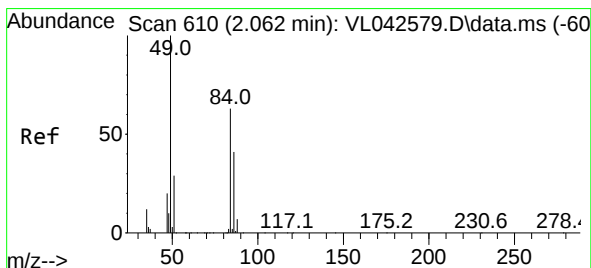
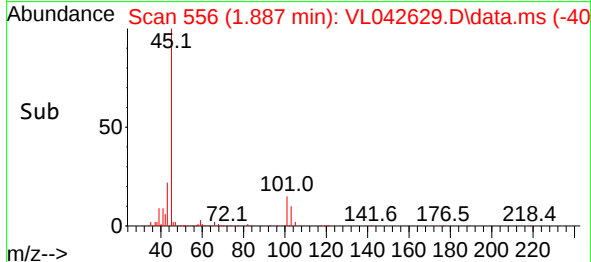
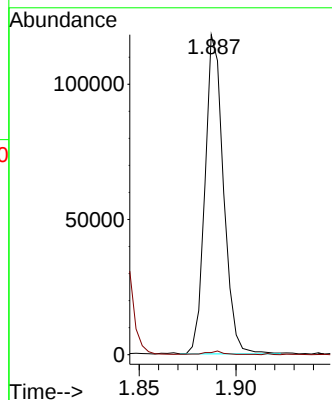
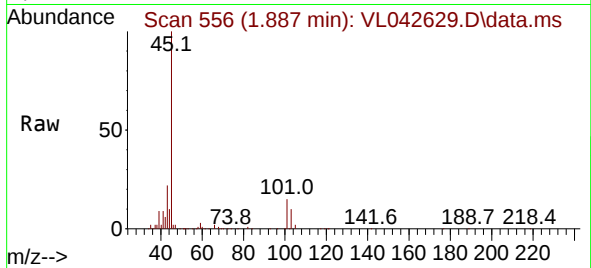




#19
Isopropyl Alcohol
Concen: 10.291 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

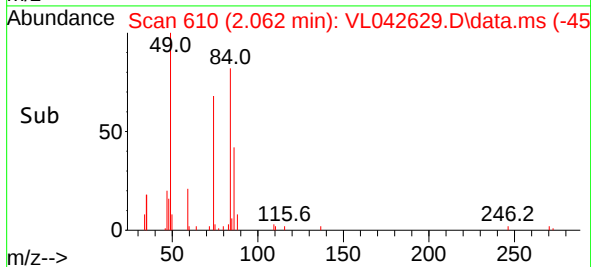
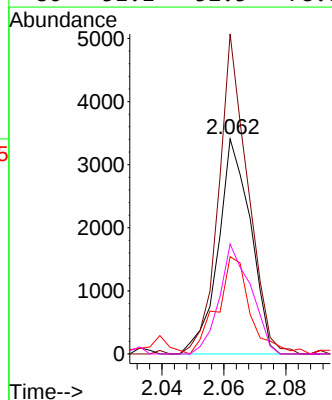
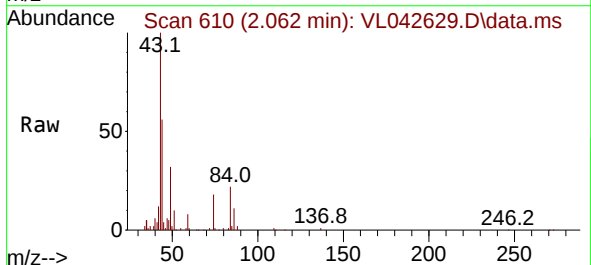
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

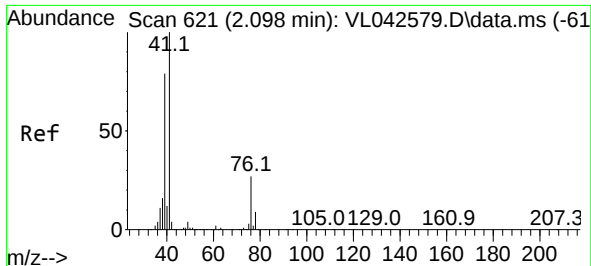
Tgt Ion: 45 Resp: 78614
Ion Ratio Lower Upper
45 100
58 133.9 29.4 44.2#



#20
Methylene Chloride
Concen: 0.586 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 84 Resp: 2472
Ion Ratio Lower Upper
84 100
49 158.4 128.8 193.2
51 43.6 38.6 57.8
86 51.1 52.5 78.7#

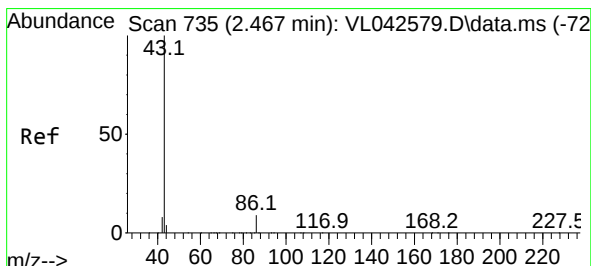
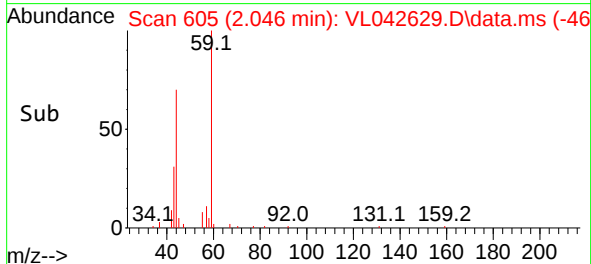
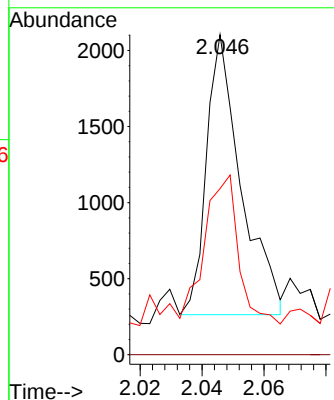
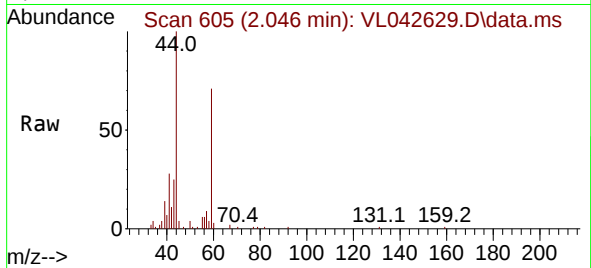




#21
 Allyl Chloride
 Concen: 0.158 ppbv
 RT: 2.046 min Scan# 605
 Delta R.T. -0.052 min
 Lab File: VL042629.D
 Acq: 16 Jun 2025 15:12

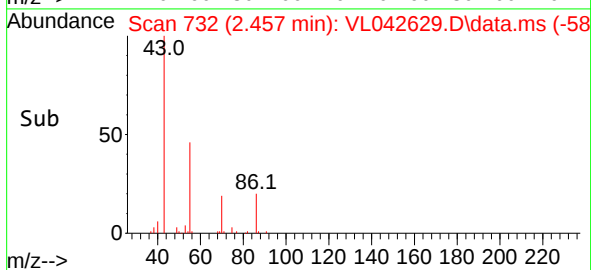
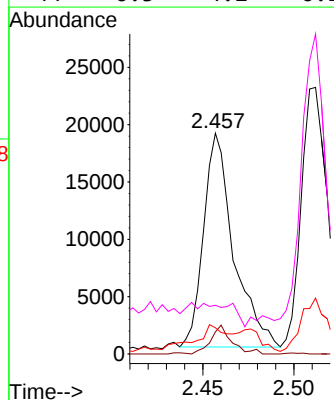
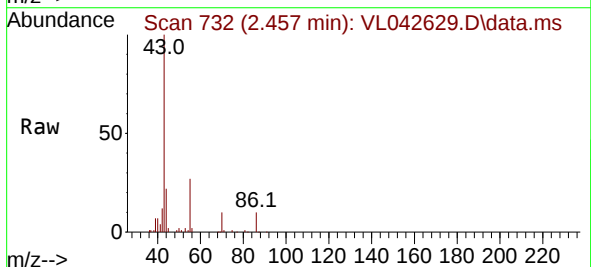
Instrument :
 MSVOA_1
 ClientSampleId :
 115-IA-2

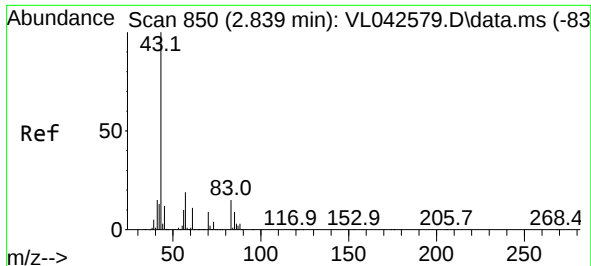
Tgt Ion:	41	Resp:	1426
Ion	Ratio	Lower	Upper
41	100		
76	28.9	21.2	31.8
39	0.0	60.9	91.3#



#23
 Vinyl Acetate
 Concen: 1.242 ppbv
 RT: 2.457 min Scan# 732
 Delta R.T. -0.010 min
 Lab File: VL042629.D
 Acq: 16 Jun 2025 15:12

Tgt Ion:	43	Resp:	21446
Ion	Ratio	Lower	Upper
43	100		
86	10.3	6.6	9.8#
42	11.1	7.0	10.4#
44	6.3	4.2	6.2#

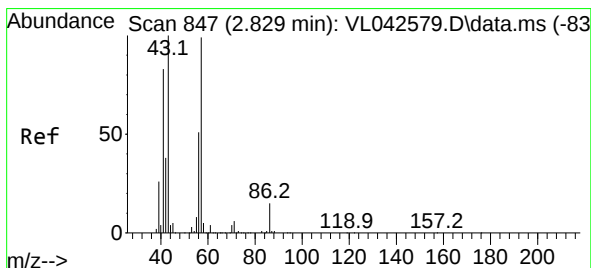
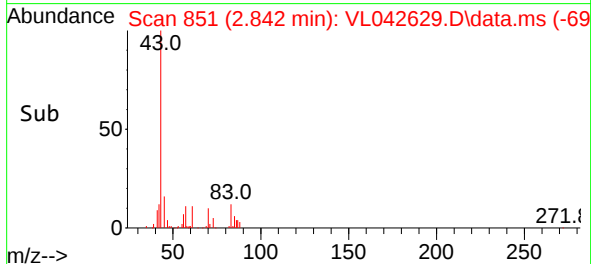
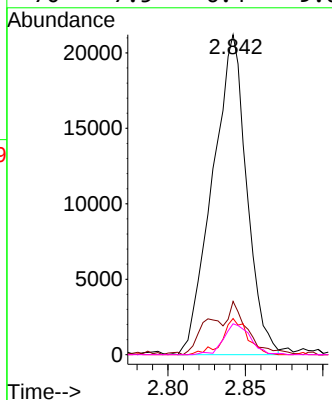
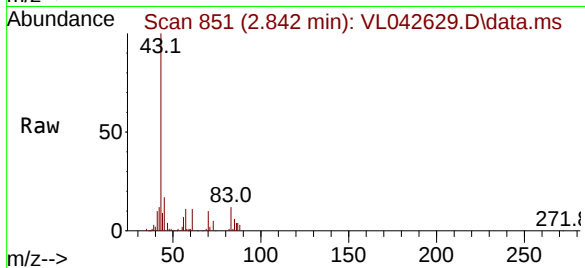




#25
Ethyl Acetate
Concen: 0.930 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

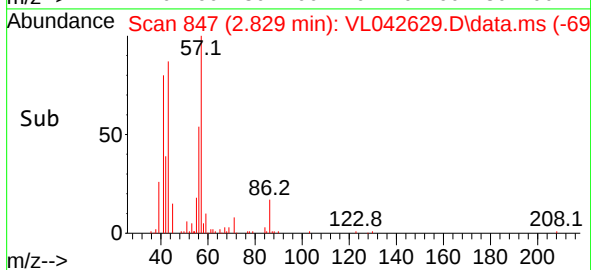
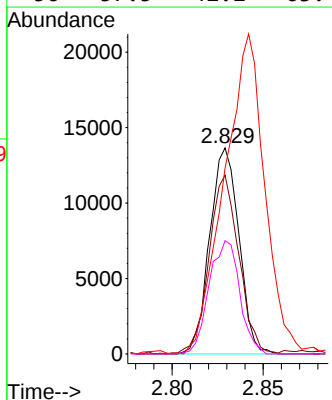
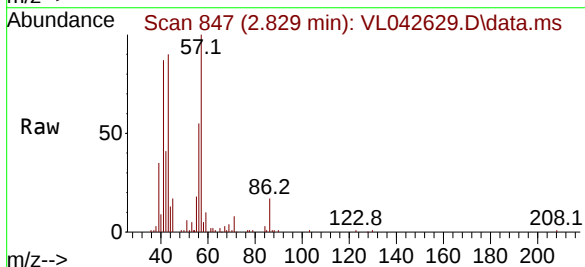
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

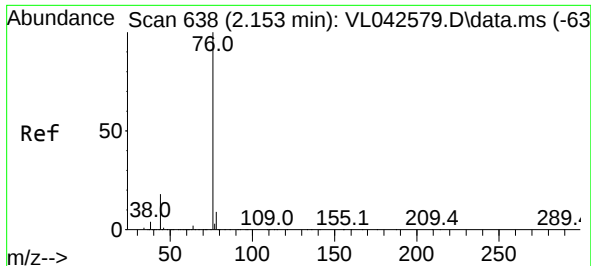
Tgt Ion: 43	Resp: 32533
Ion Ratio	Lower Upper
43 100	
45 18.4	8.2 12.2#
61 8.4	7.1 10.7
70 7.5	6.4 9.6



#26
Hexane
Concen: 0.955 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 57	Resp: 15180
Ion Ratio	Lower Upper
57 100	
41 90.9	70.6 106.0
43 218.4	181.1 271.7
56 57.5	42.2 63.4

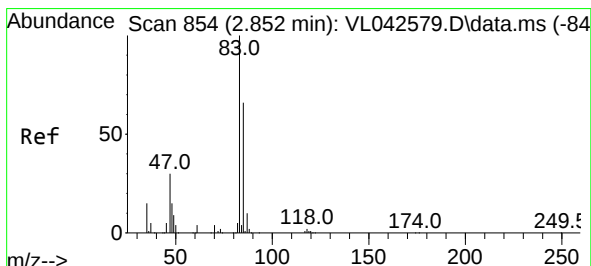
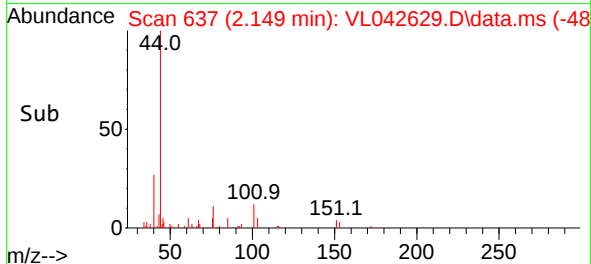
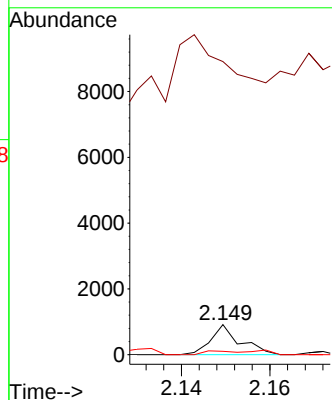
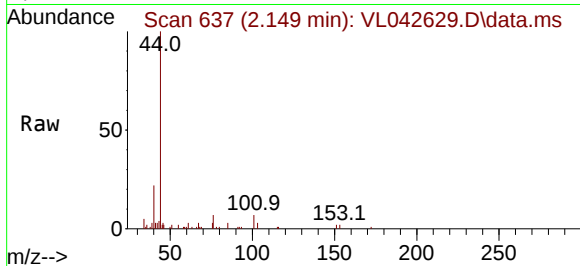




#27
Carbon Disulfide
Concen: 0.034 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

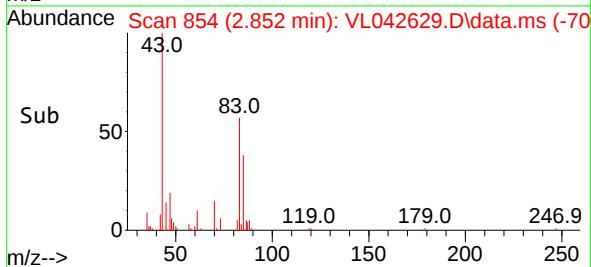
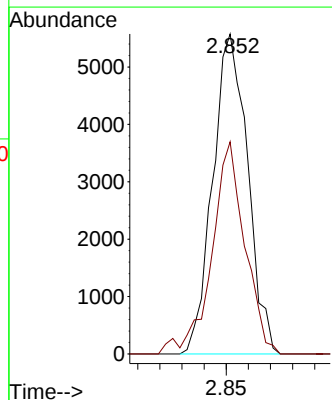
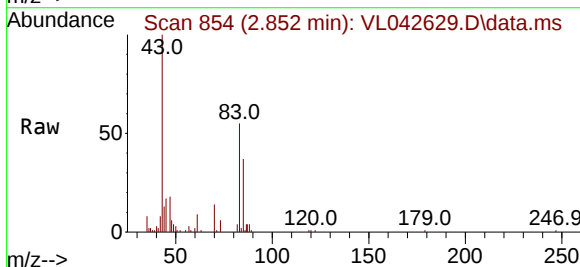
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

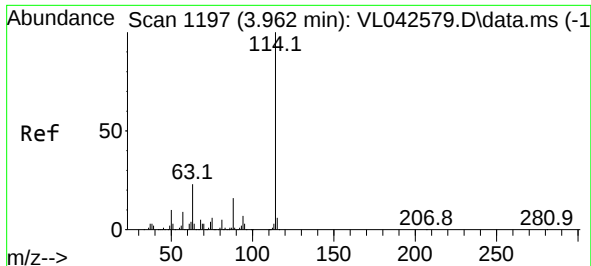
Tgt Ion: 76 Resp: 416
Ion Ratio Lower Upper
76 100
44 2522.1 21.3 31.9#
78 21.6 9.4 14.0#



#29
Chloroform
Concen: 0.295 ppbv
RT: 2.852 min Scan# 854
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 83 Resp: 6100
Ion Ratio Lower Upper
83 100
85 66.3 52.8 79.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.000 min

Lab File: VL042629.D

Acq: 16 Jun 2025 15:12

Instrument :

MSVOA_1

ClientSampleId :

115-IA-2

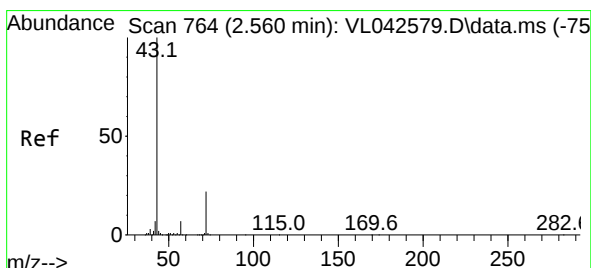
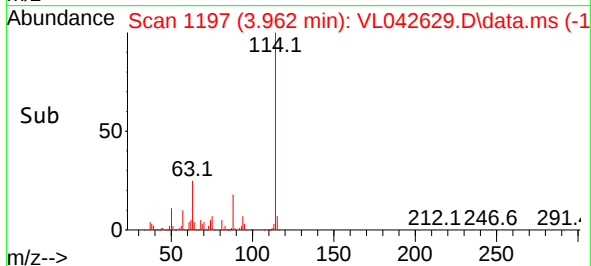
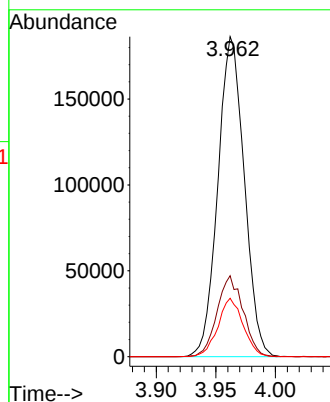
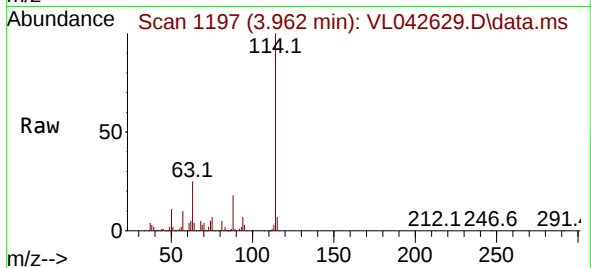
Tgt Ion:114 Resp: 286951

Ion Ratio Lower Upper

114 100

63 25.0 19.0 28.6

88 17.4 13.6 20.4



#34

2-Butanone

Concen: 2.267 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL042629.D

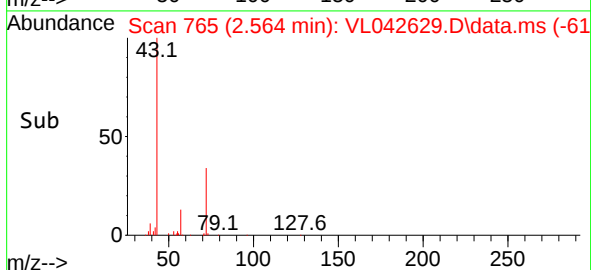
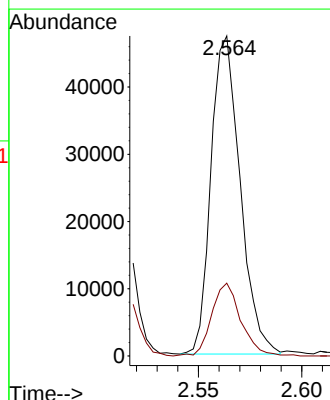
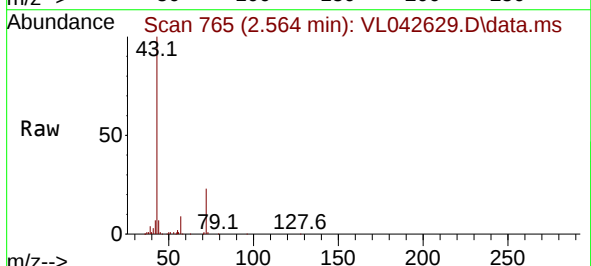
Acq: 16 Jun 2025 15:12

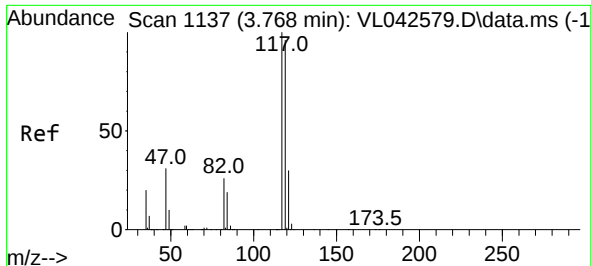
Tgt Ion: 43 Resp: 46400

Ion Ratio Lower Upper

43 100

72 23.0 17.7 26.5

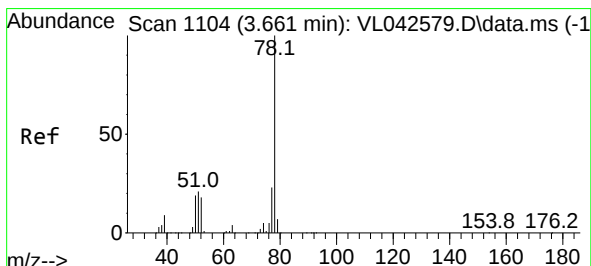
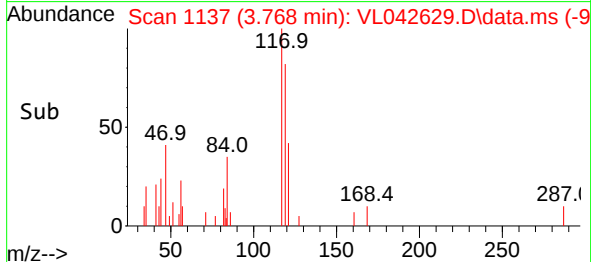
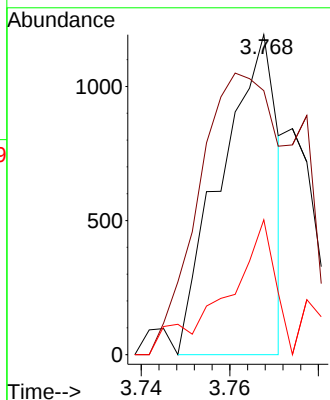
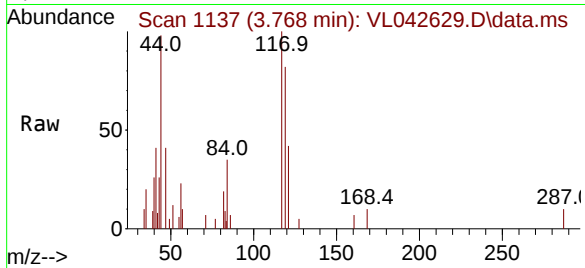




#35
Carbon Tetrachloride
Concen: 0.055 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

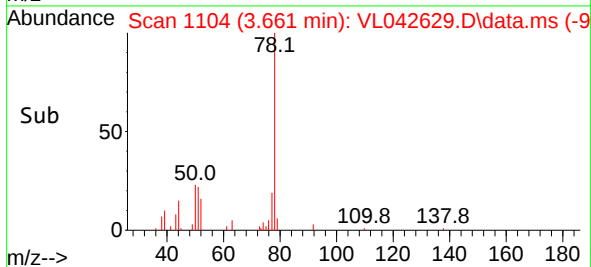
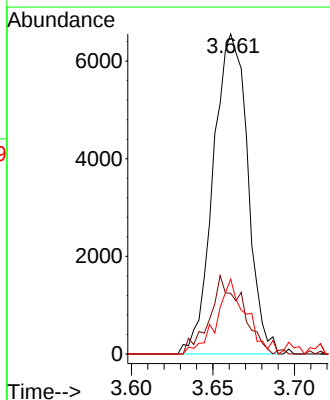
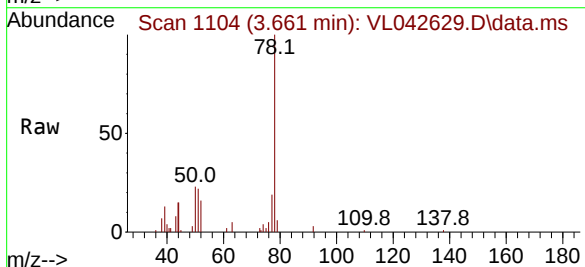
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

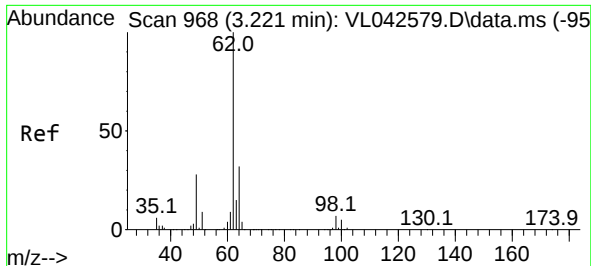
Tgt Ion:117 Resp: 1051
Ion Ratio Lower Upper
117 100
119 59.8 76.8 115.2#
121 32.7 24.3 36.5



#36
Benzene
Concen: 0.341 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 78 Resp: 9624
Ion Ratio Lower Upper
78 100
77 19.0 18.2 27.2
50 23.4 15.2 22.8#

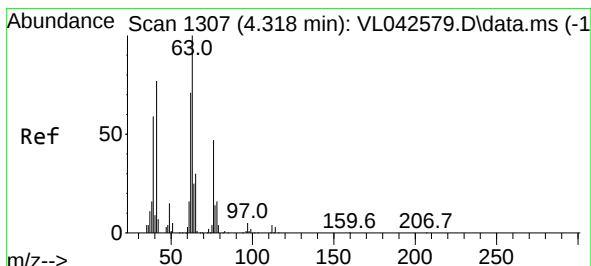
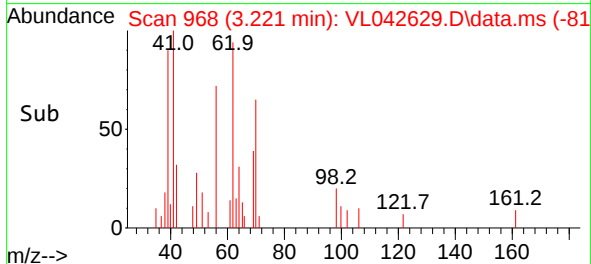
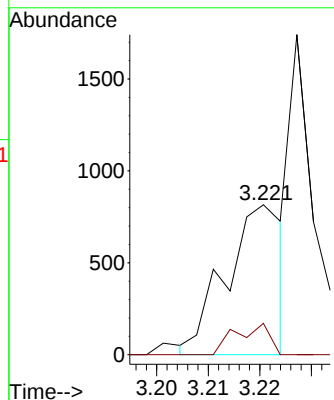
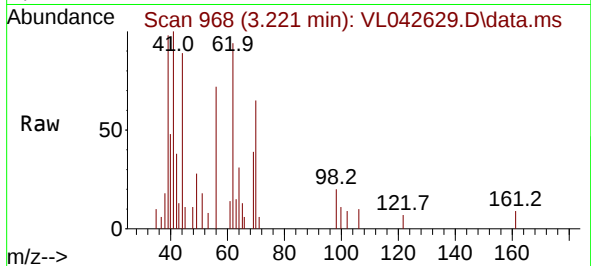




#37
1,2-Dichloroethane
Concen: 0.044 ppbv
RT: 3.221 min Scan# 90
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

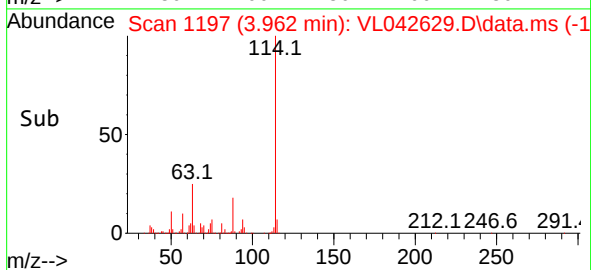
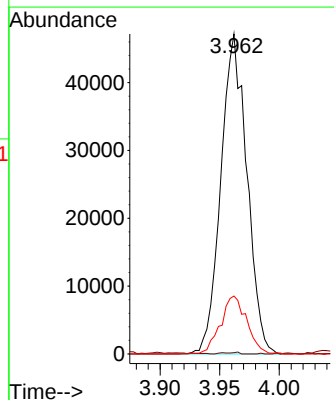
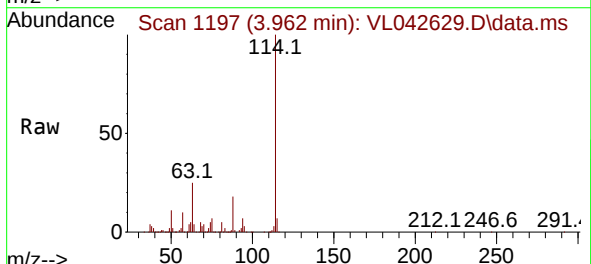
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

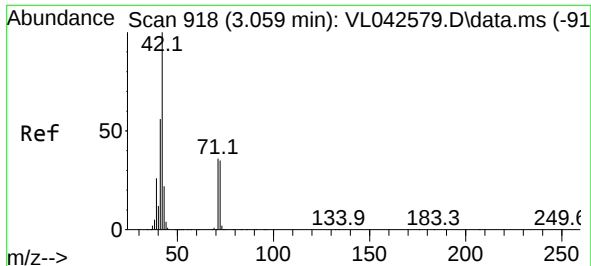
Tgt Ion: 62 Resp: 624
Ion Ratio Lower Upper
62 100
98 12.5 6.1 9.1#



#39
1,2-Dichloropropane
Concen: 6.855 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.356 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 63 Resp: 71630
Ion Ratio Lower Upper
63 100
41 0.4 61.8 92.6#
62 18.1 56.6 85.0#

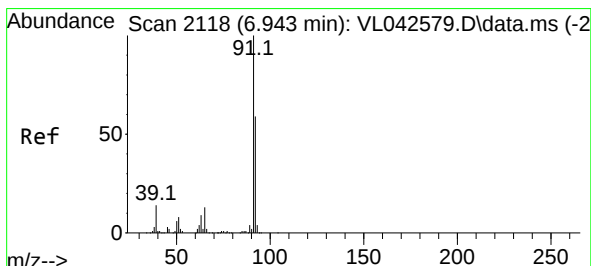
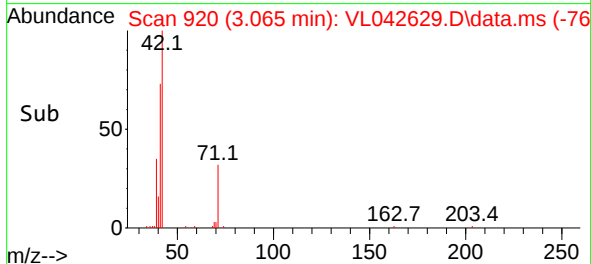
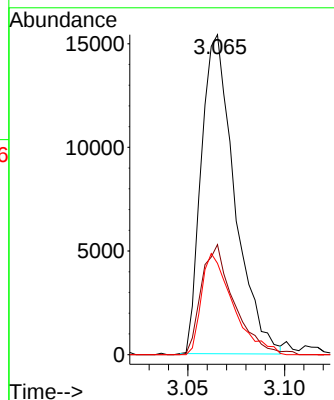
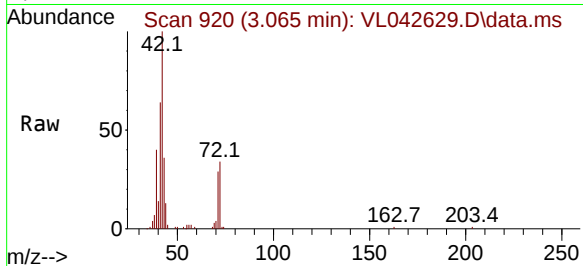




#41
Tetrahydrofuran
Concen: 1.540 ppbv
RT: 3.065 min Scan# 918
Delta R.T. 0.006 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

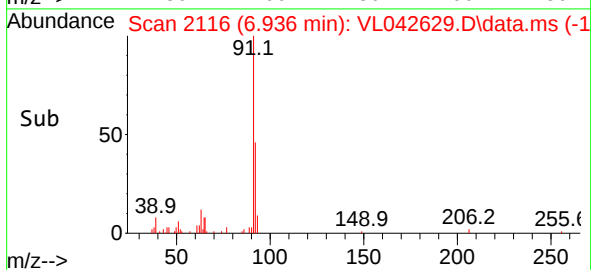
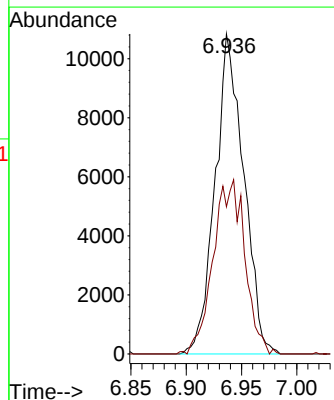
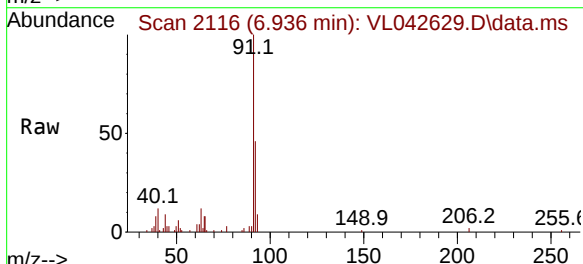
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

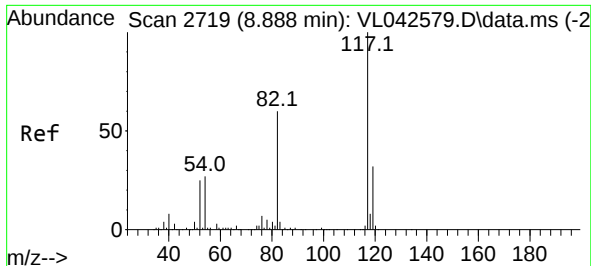
Tgt Ion: 42 Resp: 18450
Ion Ratio Lower Upper
42 100
72 33.8 28.9 43.3
71 30.2 28.5 42.7



#53
Toluene
Concen: 0.597 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. -0.006 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 91 Resp: 19503
Ion Ratio Lower Upper
91 100
92 60.2 48.2 72.4

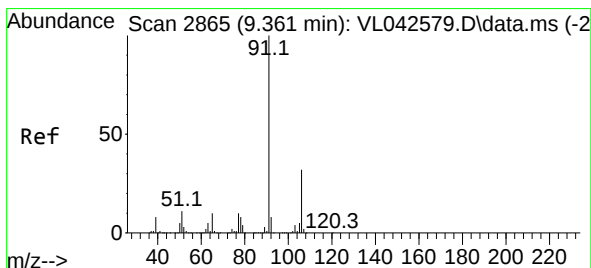
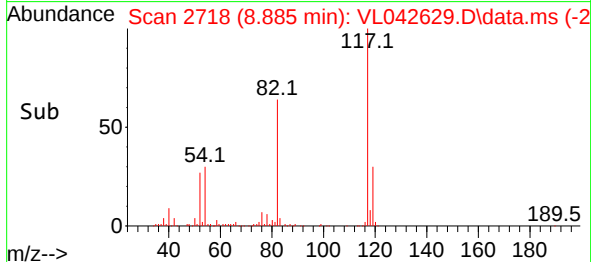
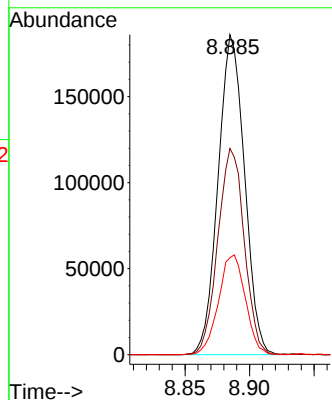
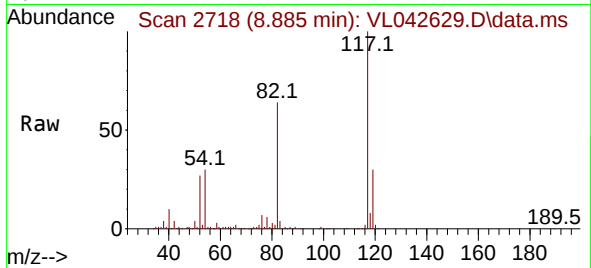




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

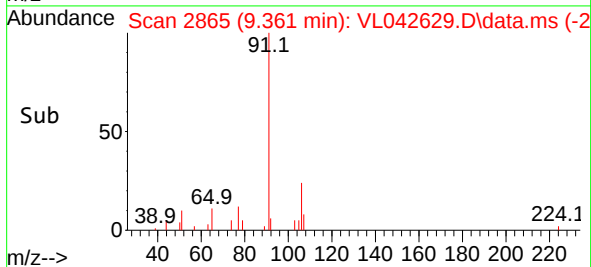
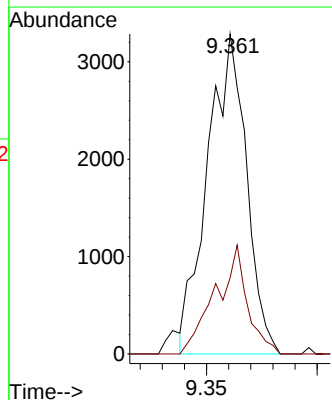
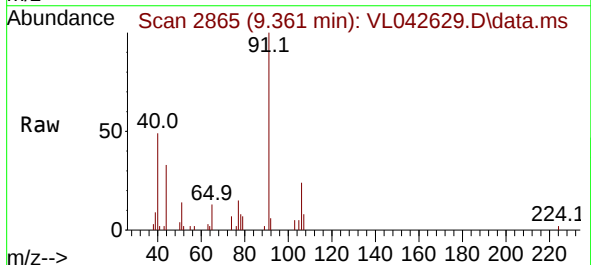
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

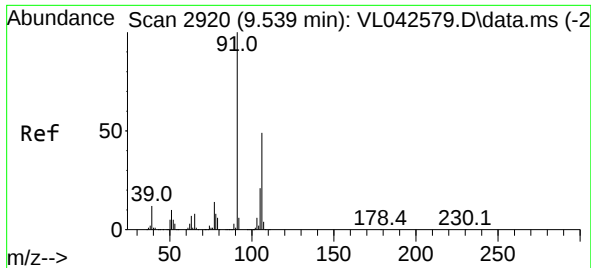
Tgt Ion:117 Resp: 264656
Ion Ratio Lower Upper
117 100
82 64.6 51.2 76.8
119 31.8 26.3 39.5



#58
Ethyl Benzene
Concen: 0.089 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 91 Resp: 4016
Ion Ratio Lower Upper
91 100
106 23.8 25.9 38.9#

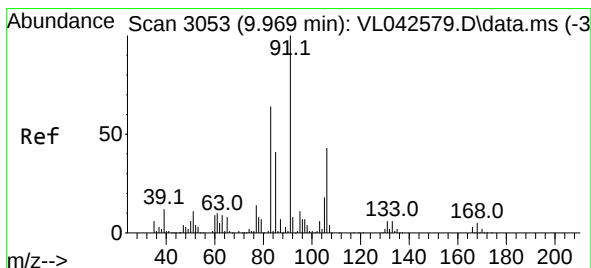
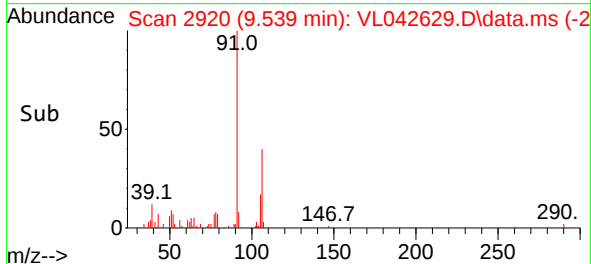
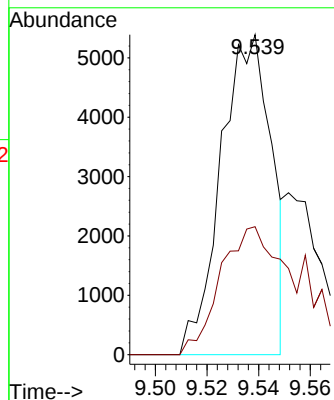
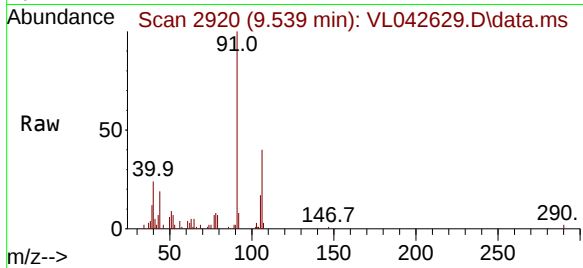




#59
m/p-Xylene
Concen: 0.207 ppbv
RT: 9.539 min Scan# 2920
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

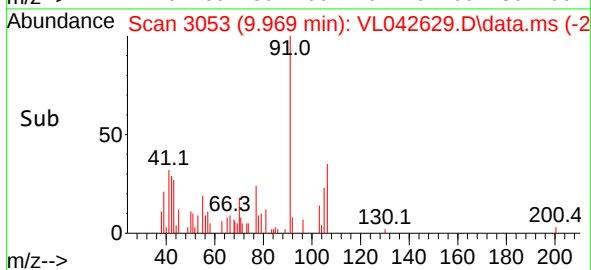
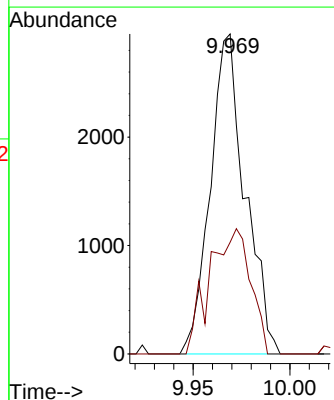
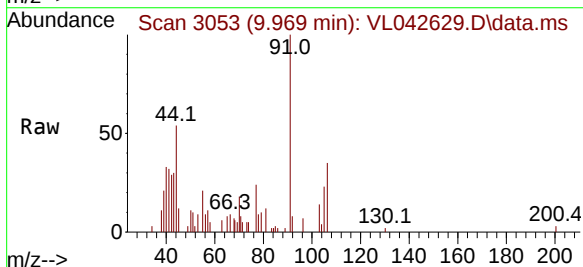
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

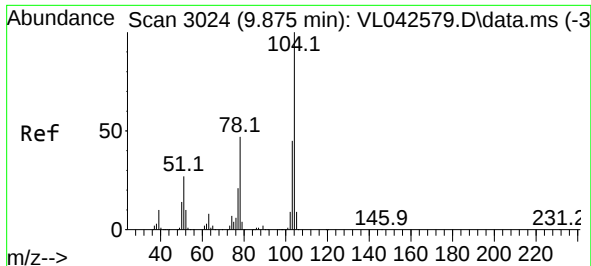
Tgt Ion: 91 Resp: 7325
Ion Ratio Lower Upper
91 100
106 62.4 38.8 58.2#



#60
o-Xylene
Concen: 0.105 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 91 Resp: 3689
Ion Ratio Lower Upper
91 100
106 46.3 22.9 68.5

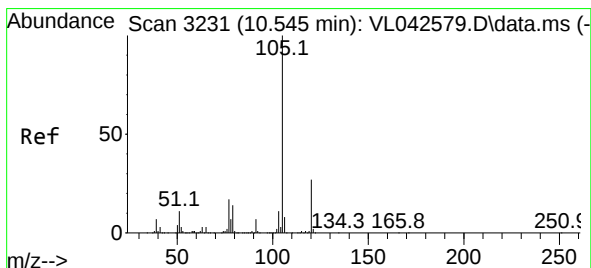
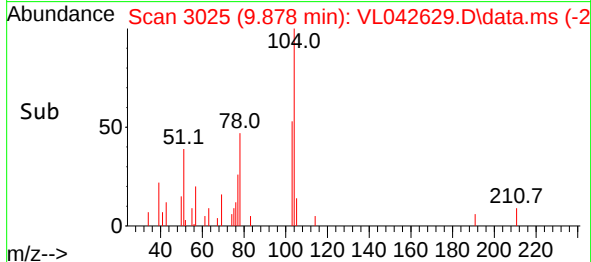
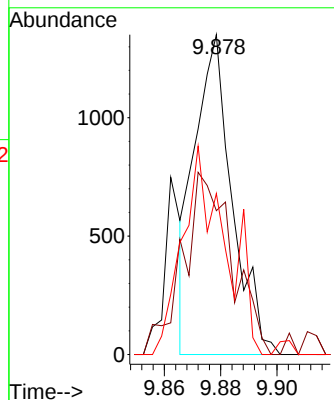
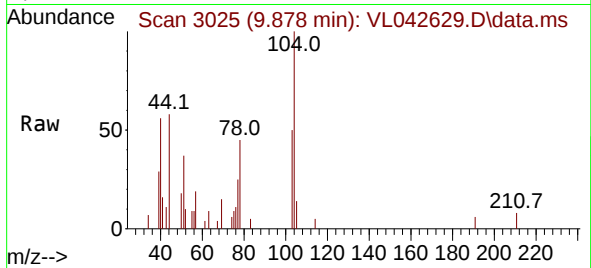




#61
Styrene
Concen: 0.075 ppbv
RT: 9.878 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

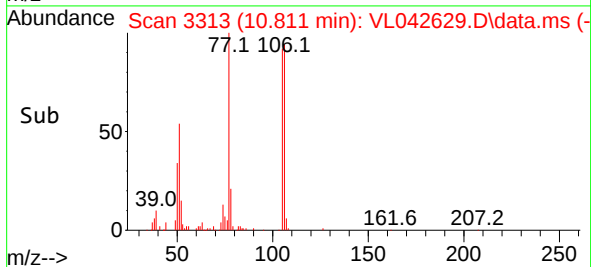
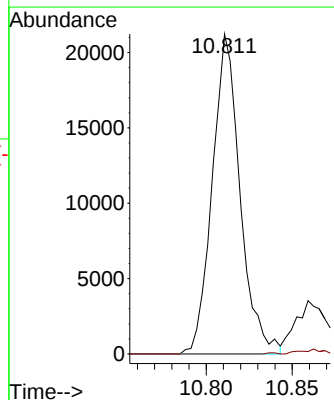
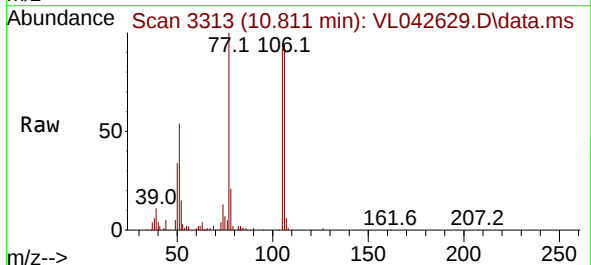
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

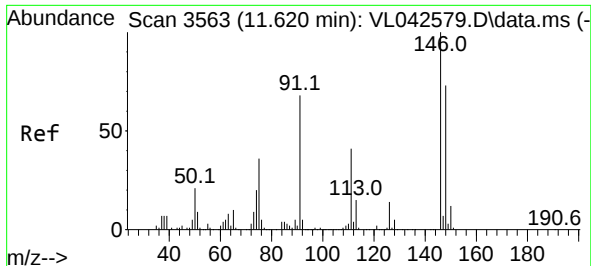
Tgt Ion:104 Resp: 1251
Ion Ratio Lower Upper
104 100
78 79.0 38.2 57.4#
103 76.3 36.7 55.1#



#62
Isopropylbenzene
Concen: 0.458 ppbv
RT: 10.811 min Scan# 3313
Delta R.T. 0.265 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:105 Resp: 23844
Ion Ratio Lower Upper
105 100
120 0.0 20.9 31.3#

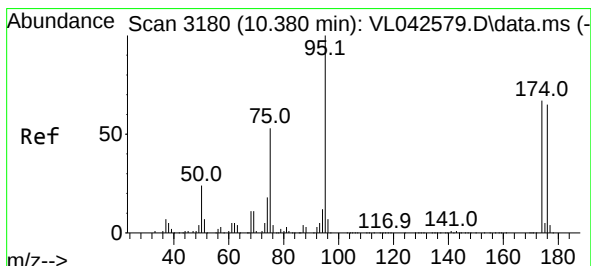
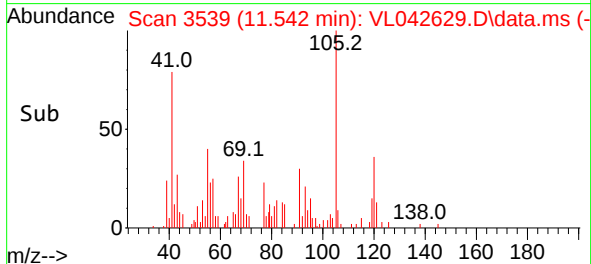
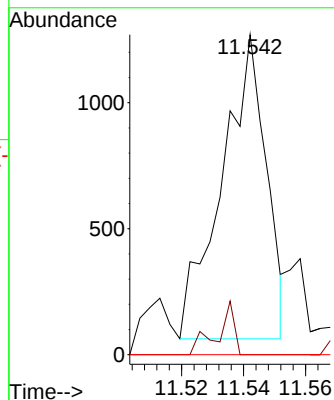
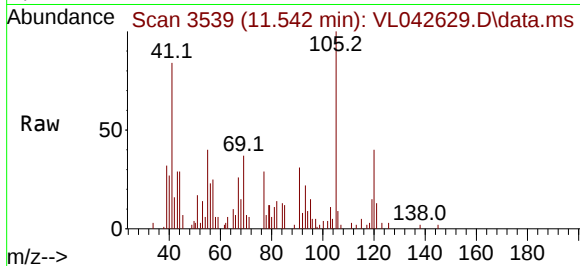




#66
Benzyl Chloride
Concen: 0.199 ppbv
RT: 11.542 min Scan# 3115
Delta R.T. -0.078 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

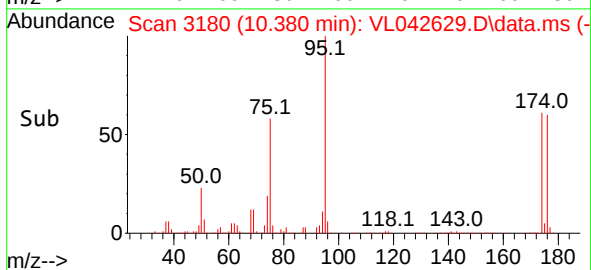
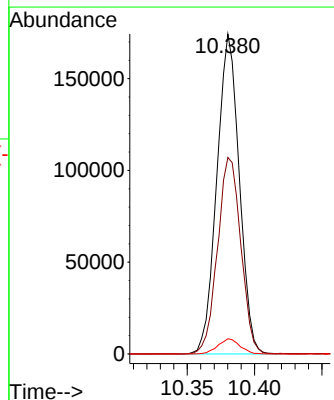
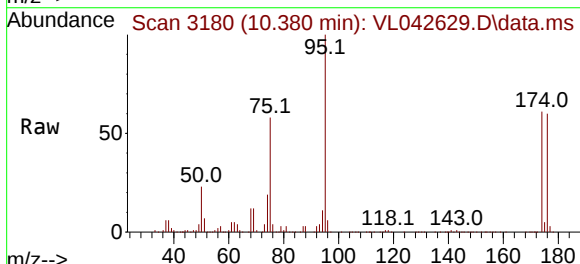
Instrument :
MSVOA_1
ClientSampleId :
115-IA-2

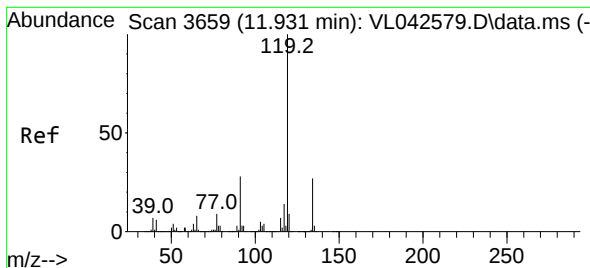
Tgt Ion: 91 Resp: 1208
Ion Ratio Lower Upper
91 100
126 6.6 15.1 22.7#
128 0.9 5.0 7.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.170 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 95 Resp: 201774
Ion Ratio Lower Upper
95 100
174 63.9 53.1 79.7
175 4.6 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.549 ppbv

RT: 11.930 min Scan# 30528

Delta R.T. -0.000 min

Lab File: VL042629.D

Acq: 16 Jun 2025 15:12

Instrument :

MSVOA_1

ClientSampleId :

115-IA-2

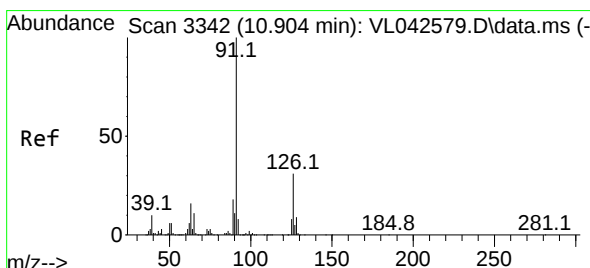
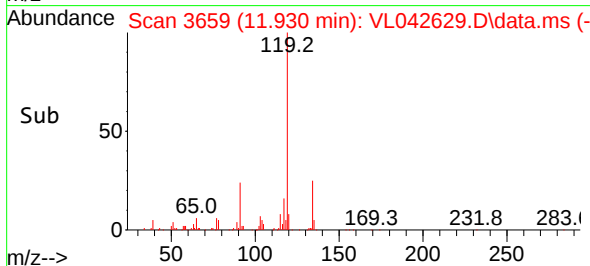
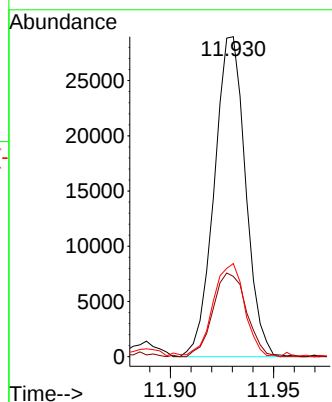
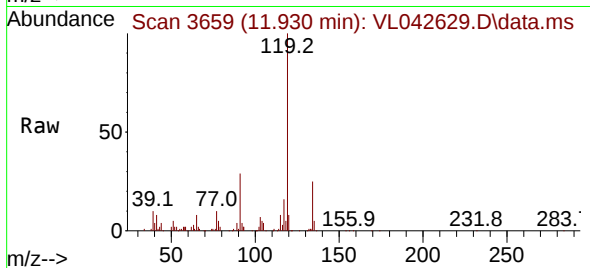
Tgt Ion:119 Resp: 30528

Ion Ratio Lower Upper

119 100

134 28.9 21.1 31.7

91 31.7 21.9 32.9



#71

2-Chlorotoluene

Concen: 0.458 ppbv

RT: 10.862 min Scan# 3329

Delta R.T. -0.042 min

Lab File: VL042629.D

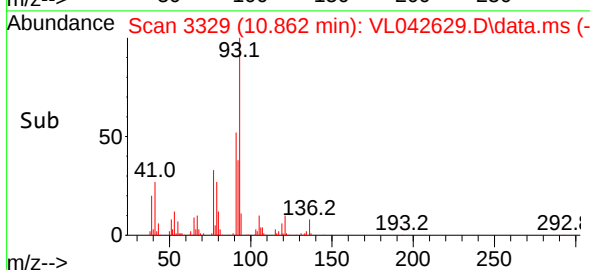
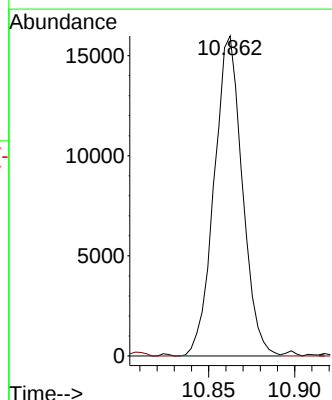
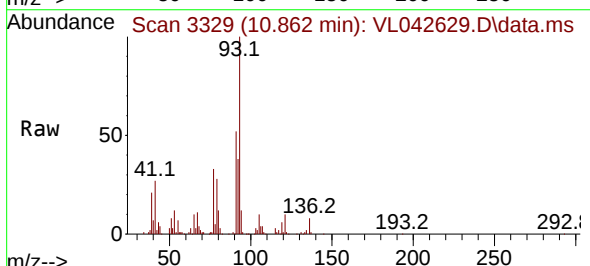
Acq: 16 Jun 2025 15:12

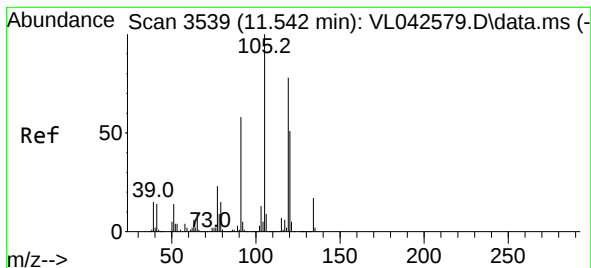
Tgt Ion: 91 Resp: 18195

Ion Ratio Lower Upper

91 100

126 1.0 12.6 50.4#





#74

1,2,4-Trimethylbenzene

Concen: 0.129 ppbv

RT: 11.539 min Scan# 3539

Delta R.T. -0.003 min

Lab File: VL042629.D

Acq: 16 Jun 2025 15:12

Instrument :

MSVOA_1

ClientSampleId :

115-IA-2

Tgt Ion:105 Resp: 5204

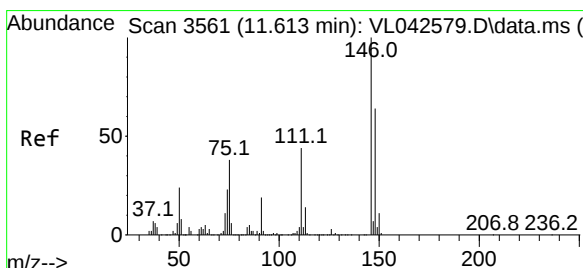
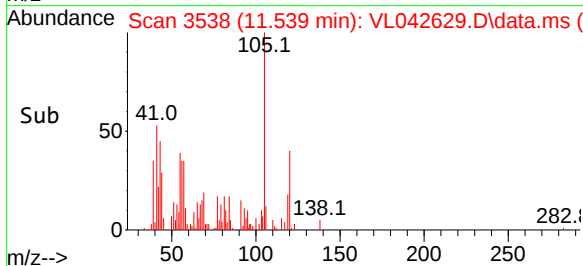
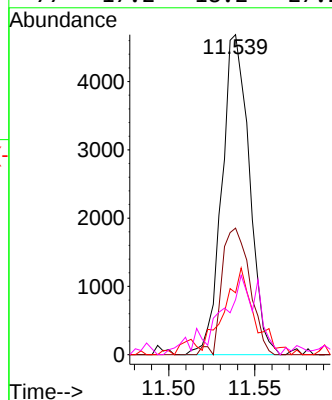
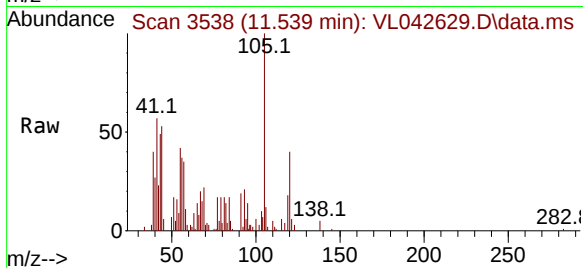
Ion Ratio Lower Upper

105 100

120 39.5 40.8 61.2#

91 17.1 46.8 70.2#

77 17.2 18.2 27.2#



#75

1,3-Dichlorobenzene

Concen: 22.102 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.061 min

Lab File: VL042629.D

Acq: 16 Jun 2025 15:12

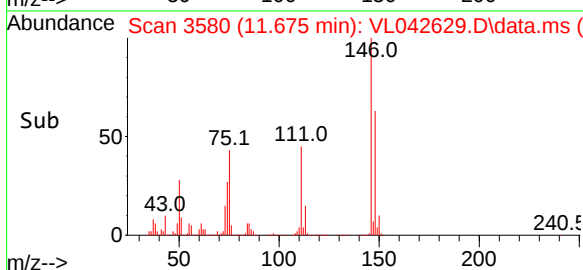
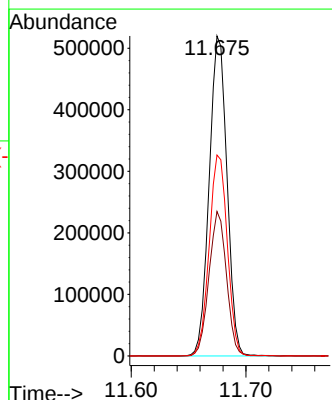
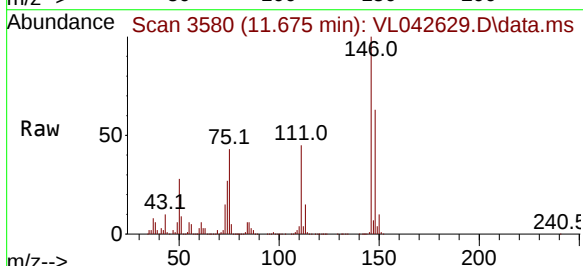
Tgt Ion:146 Resp: 559989

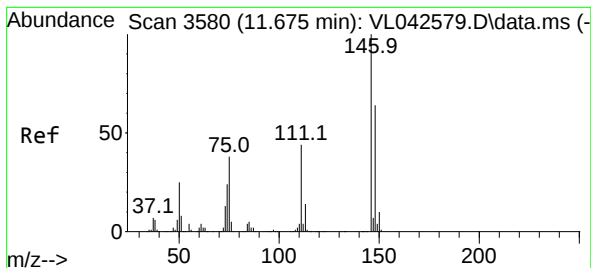
Ion Ratio Lower Upper

146 100

111 44.5 22.4 67.3

148 64.0 32.0 96.2





#76

1,4-Dichlorobenzene

Concen: 22.160 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. -0.000 min

Lab File: VL042629.D

Acq: 16 Jun 2025 15:12

Instrument :

MSVOA_1

ClientSampleId :

115-IA-2

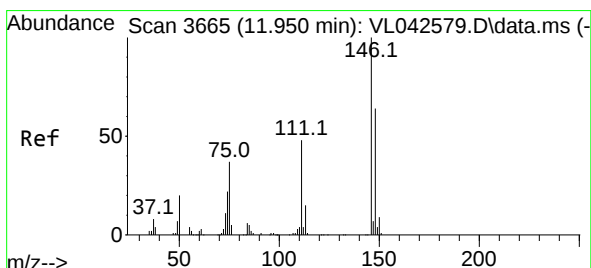
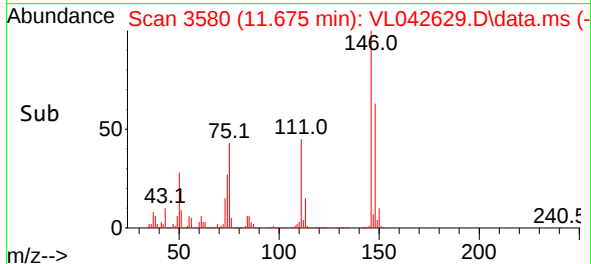
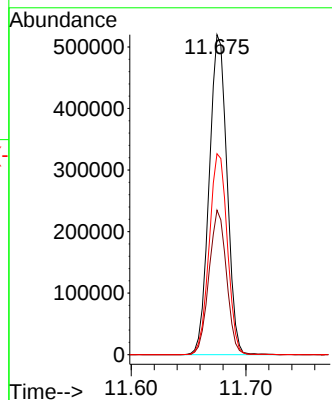
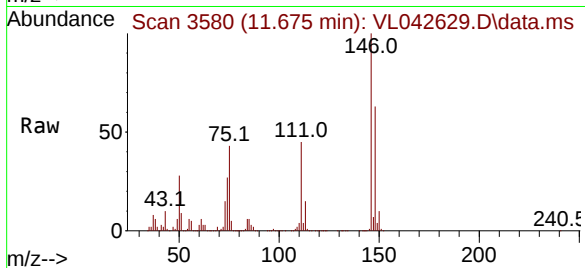
Tgt Ion:146 Resp: 559989

Ion Ratio Lower Upper

146 100

111 44.5 21.6 64.8

148 64.0 32.1 96.5



#77

1,2-Dichlorobenzene

Concen: 22.772 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. -0.275 min

Lab File: VL042629.D

Acq: 16 Jun 2025 15:12

Tgt Ion:146 Resp: 559989

Ion Ratio Lower Upper

146 100

111 44.5 23.1 69.3

148 64.0 32.1 96.3

