

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
 Data File : VL042632.D
 Acq On : 16 Jun 2025 16:53
 Operator : SY/MD
 Sample : Q2317-05 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 115-SG2

Quant Time: Jun 17 03:08:00 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	104277	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	283950	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	250604	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	195002	10.380	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	1782	0.139	ppbv	100
3) Chlorodifluoromethane	1.466	51	70589	3.999	ppbv #	62
4) Chloromethane	1.534	50	11295	2.226	ppbv	91
5) Vinyl Chloride	1.576	62	385	0.074	ppbv #	44
7) Chloroethane	1.706	64	1674	0.833	ppbv	91
9) Propene	1.483	41	5661	0.796	ppbv	96
10) Heptane	4.985	43	1191	0.059	ppbv #	75
11) Trichlorofluoromethane	1.881	101	42477	3.562	ppbv	98
12) 1,1,2-Trichlorotrifluo...	1.881	101	42477	4.536	ppbv #	15
13) Ethanol	1.722	45	120630	142.401	ppbv	97
15) Acetone	1.839	43	165449	13.172	ppbv	97
16) 1,3-Butadiene	1.602	39	3503	0.589	ppbv #	48
17) tert-Butyl alcohol	2.046	59	4148	0.317	ppbv #	88
19) Isopropyl Alcohol	1.887	45	22537	3.001	ppbv #	1
20) Methylene Chloride	2.065	84	2944	0.710	ppbv #	82
21) Allyl Chloride	2.101	41	322	0.036	ppbv #	21
23) Vinyl Acetate	2.476	43	1755	0.103	ppbv #	46
25) Ethyl Acetate	2.845	43	1702	0.050	ppbv #	61
26) Hexane	2.832	57	3435	0.220	ppbv #	66
27) Carbon Disulfide	2.153	76	4129	0.344	ppbv #	1
29) Chloroform	2.852	83	42100	2.073	ppbv	97
30) Cyclohexane	3.865	84	677	0.052	ppbv #	12
34) 2-Butanone	2.564	43	19644	0.970	ppbv	98
36) Benzene	3.664	78	22890	0.819	ppbv	97
38) Trichloroethene	4.554	130	38427	3.233	ppbv	91
39) 1,2-Dichloropropane	3.962	63	72328	6.995	ppbv #	22
41) Tetrahydrofuran	3.069	42	6042	0.510	ppbv #	91
43) Methyl Methacrylate	4.891	69	48265	4.447	ppbv	98
52) Tetrachloroethene	8.231	164	32112	3.073	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.946	131	8903	0.707	ppbv #	1
58) Ethyl Benzene	9.532	91	2228	0.052	ppbv	94
59) m/p-Xylene	9.532	91	2228	0.067	ppbv #	59
60) o-Xylene	9.969	91	1329	0.040	ppbv	92
61) Styrene	9.875	104	664	0.042	ppbv #	52
65) tert-Butylbenzene	11.788	119	132855	2.970	ppbv #	24
67) sec-Butylbenzene	11.791	105	35727	0.568	ppbv #	71
69) p-Isopropyltoluene	11.927	119	1867	0.035	ppbv #	68
74) 1,2,4-Trimethylbenzene	11.539	105	1747	0.046	ppbv #	68
75) 1,3-Dichlorobenzene	11.610	146	1995	0.083	ppbv #	72
76) 1,4-Dichlorobenzene	11.678	146	29939	1.251	ppbv	97
77) 1,2-Dichlorobenzene	11.678	146	29939	1.286	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
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Operator : SY/MD
Sample : Q2317-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

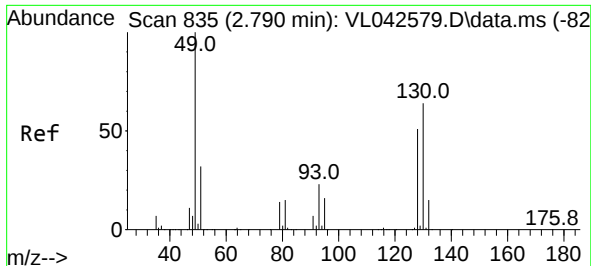
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

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

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

Quant Time: Jun 17 03:08:00 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

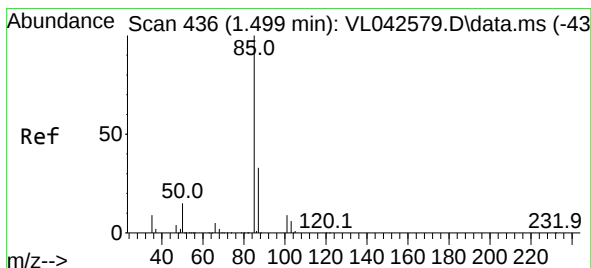
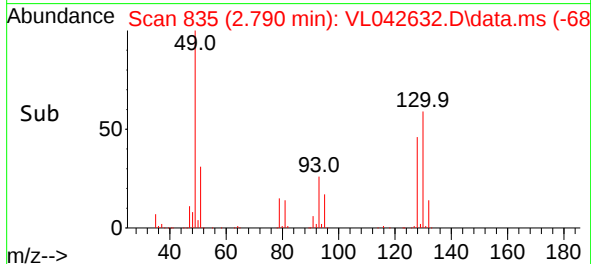
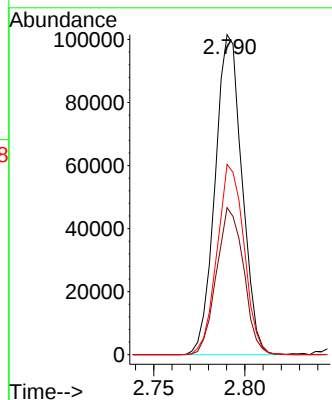
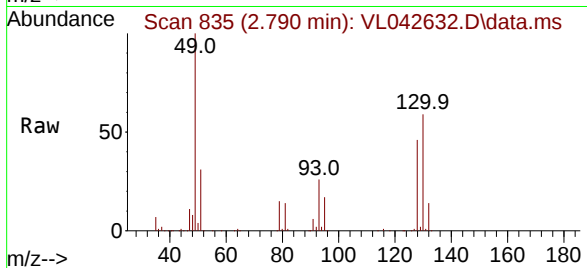




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

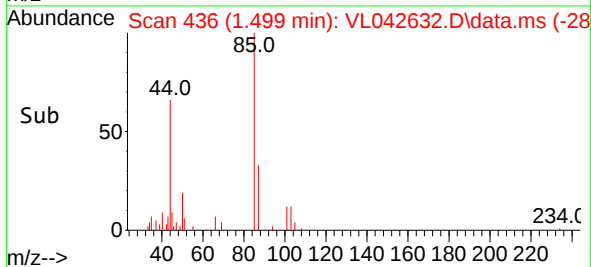
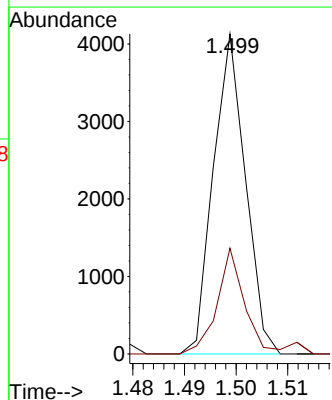
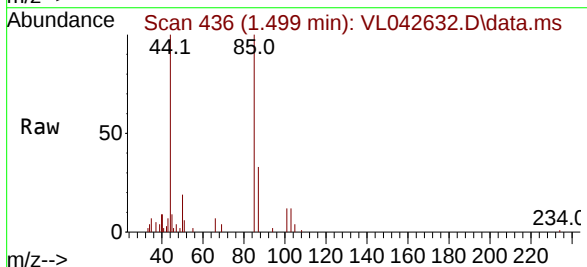
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

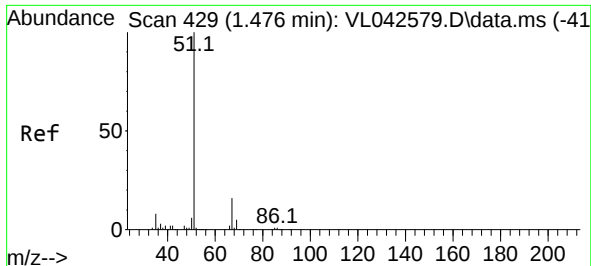
Tgt Ion: 49 Resp: 104277
Ion Ratio Lower Upper
49 100
128 46.3 24.2 72.6
130 59.5 30.4 91.2



#2
Dichlorodifluoromethane
Concen: 0.139 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 85 Resp: 1782
Ion Ratio Lower Upper
85 100
87 33.0 26.6 39.8

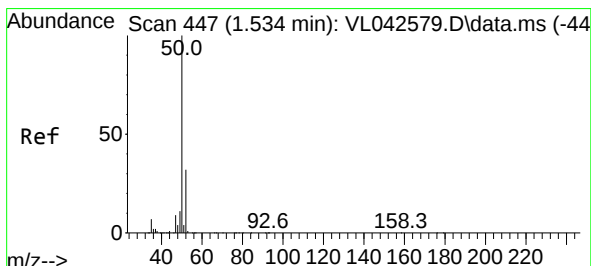
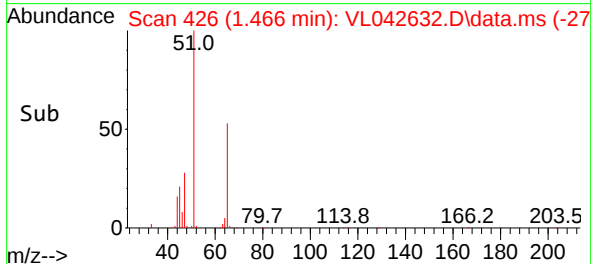
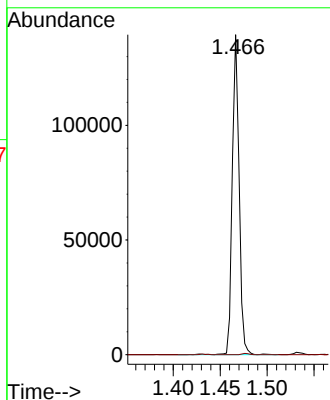
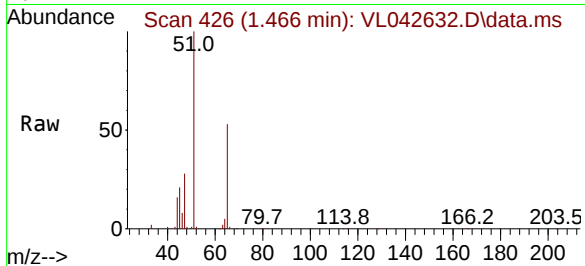




#3
Chlorodifluoromethane
Concen: 3.999 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

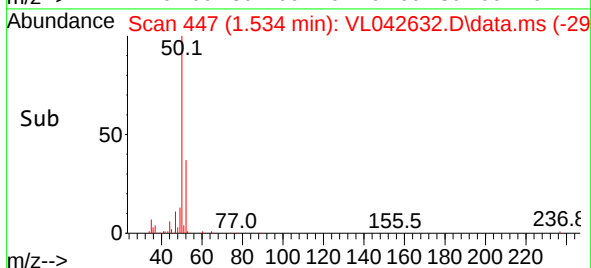
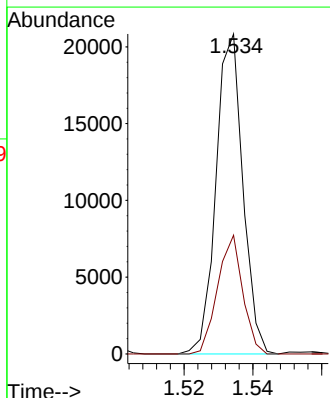
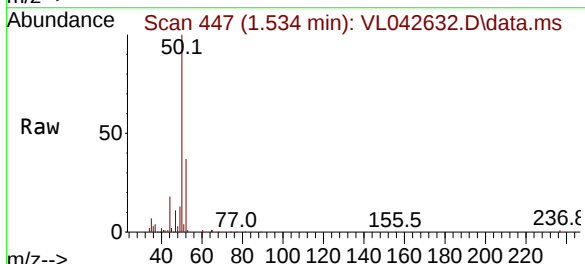
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

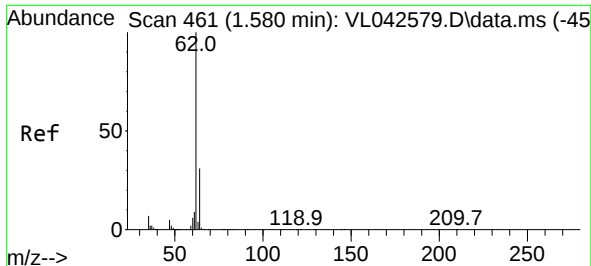
Tgt Ion: 51 Resp: 70589
Ion Ratio Lower Upper
51 100
67 0.4 13.4 20.2#



#4
Chloromethane
Concen: 2.226 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 50 Resp: 11295
Ion Ratio Lower Upper
50 100
52 37.1 25.8 38.6

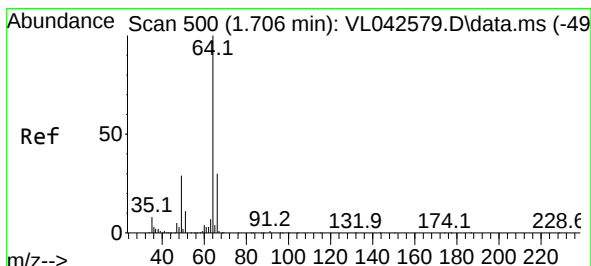
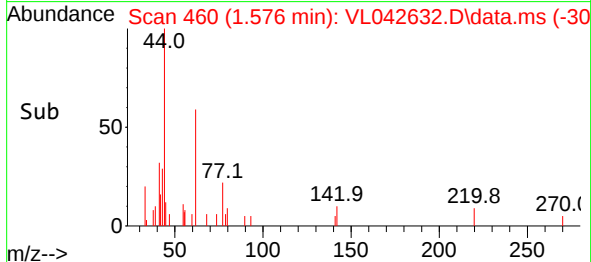
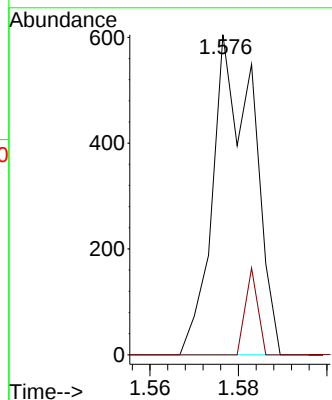
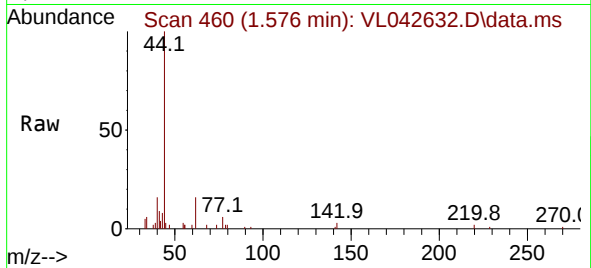




#5
 Vinyl Chloride
 Concen: 0.074 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

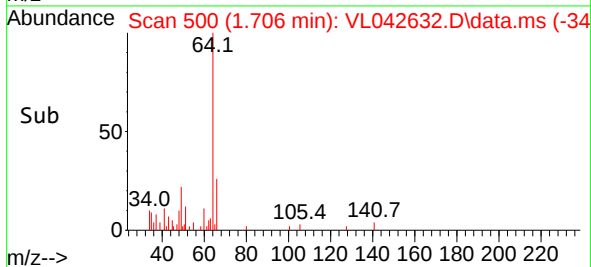
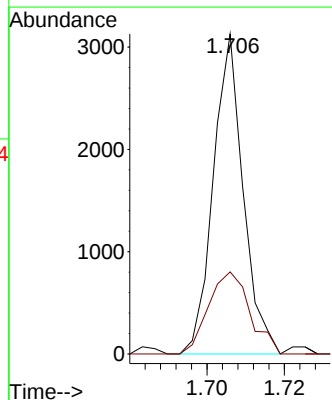
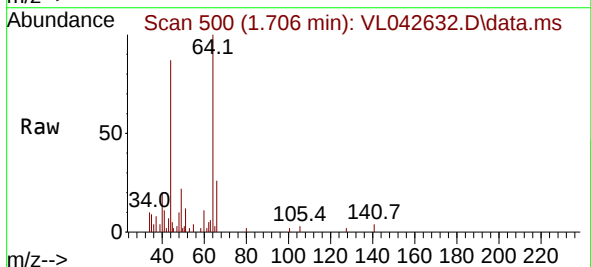
Instrument :
 MSVOA_1
 ClientSampleId :
 115-SG2

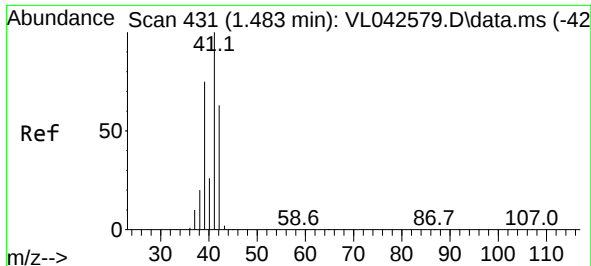
Tgt Ion: 62 Resp: 385
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.9 37.3#



#7
 Chloroethane
 Concen: 0.833 ppbv
 RT: 1.706 min Scan# 500
 Delta R.T. 0.000 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

Tgt Ion: 64 Resp: 1674
 Ion Ratio Lower Upper
 64 100
 66 25.6 24.3 36.5





#9

Propene

Concen: 0.796 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042632.D

Acq: 16 Jun 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

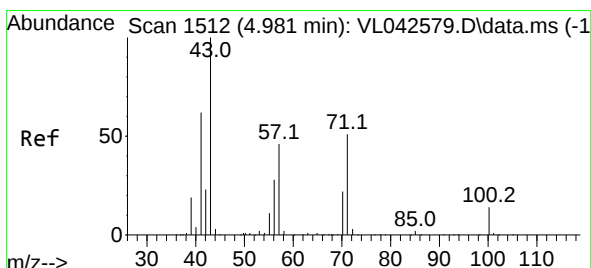
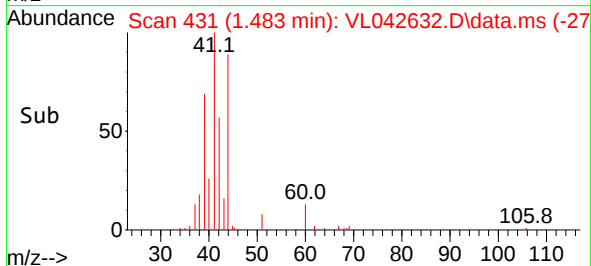
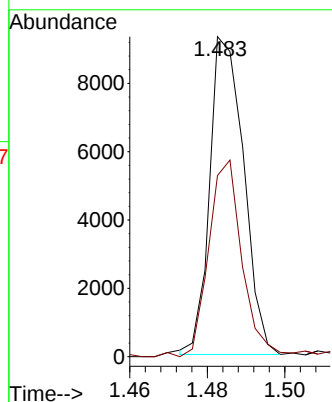
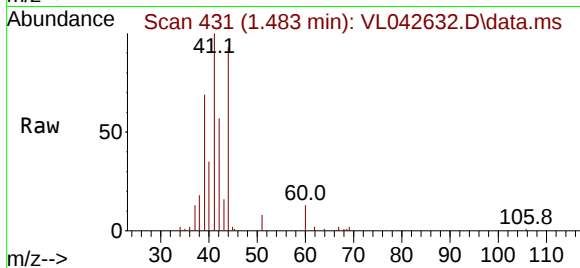
115-SG2

Tgt Ion: 41 Resp: 5661

Ion Ratio Lower Upper

41 100

42 69.6 53.3 79.9



#10

Heptane

Concen: 0.059 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.003 min

Lab File: VL042632.D

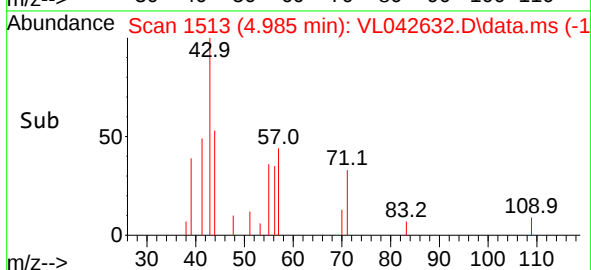
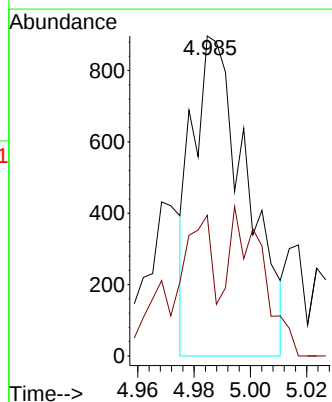
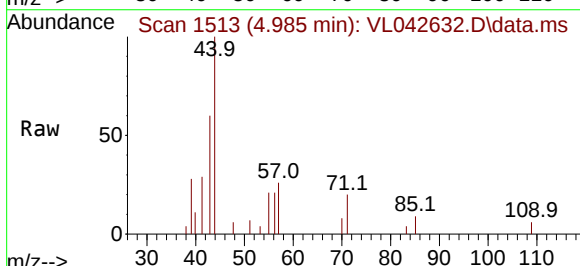
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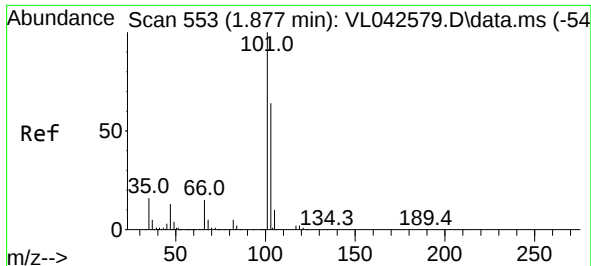
Tgt Ion: 43 Resp: 1191

Ion Ratio Lower Upper

43 100

57 65.5 38.9 58.3#

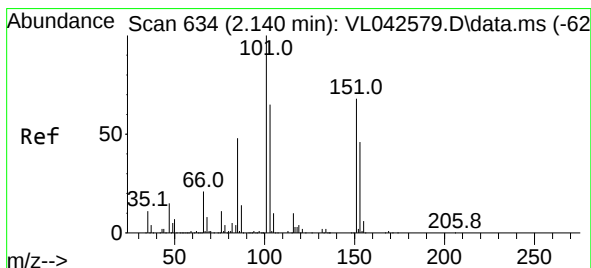
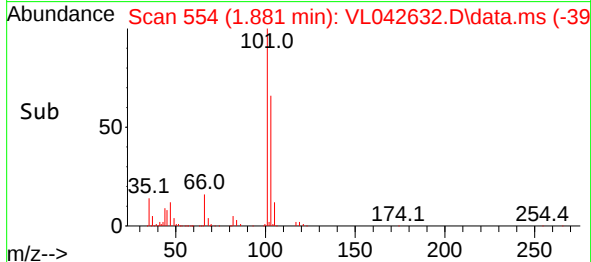
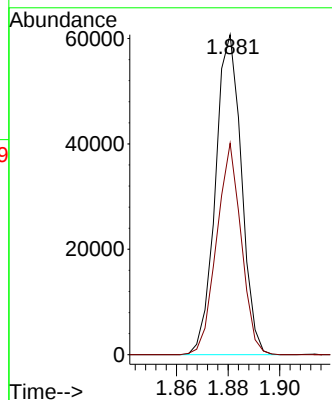
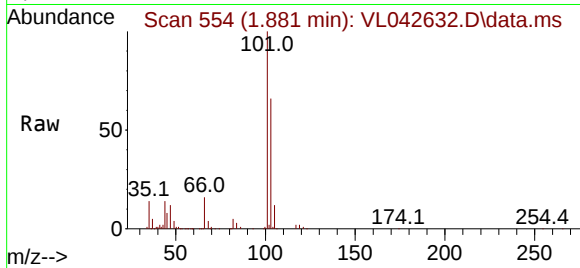




#11
 Trichlorofluoromethane
 Concen: 3.562 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

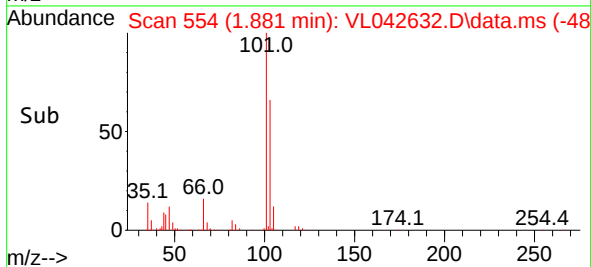
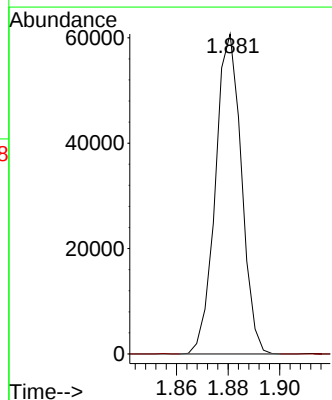
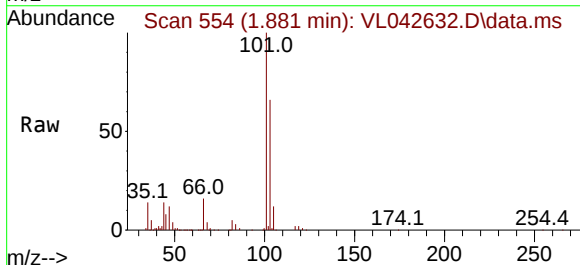
Instrument :
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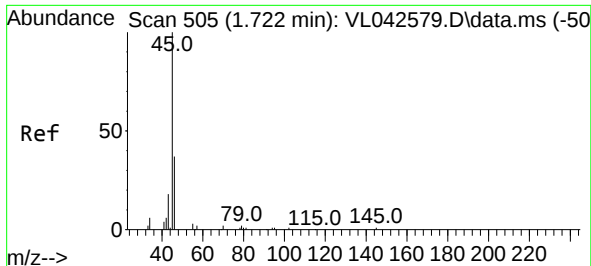
Tgt Ion:101 Resp: 42477
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.536 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. -0.259 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

Tgt Ion:101 Resp: 42477
 Ion Ratio Lower Upper
 101 100
 151 0.0 55.3 82.9#

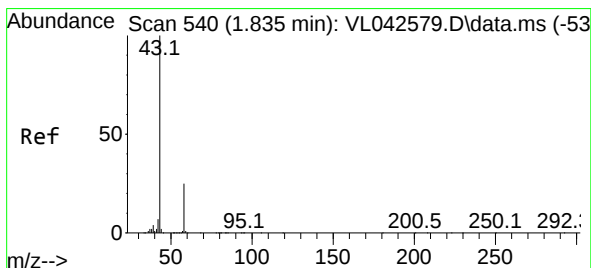
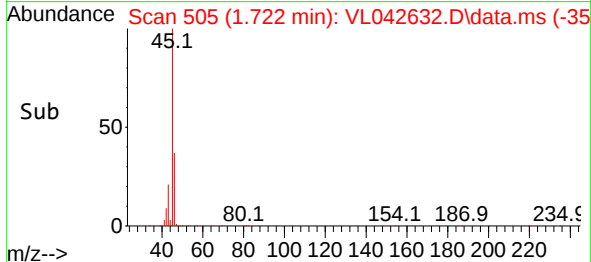
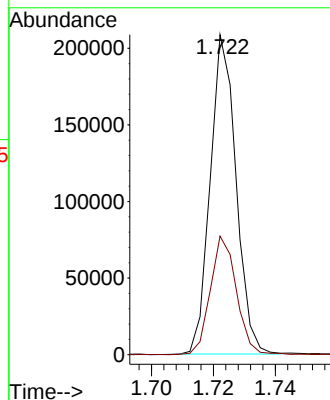
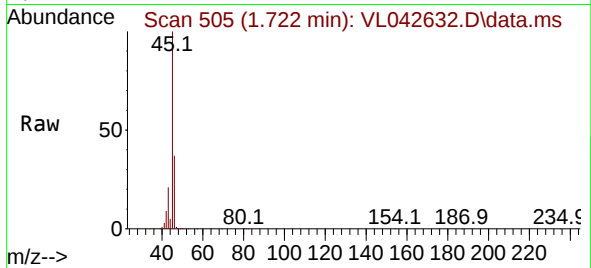




#13
Ethanol
Concen: 142.401 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

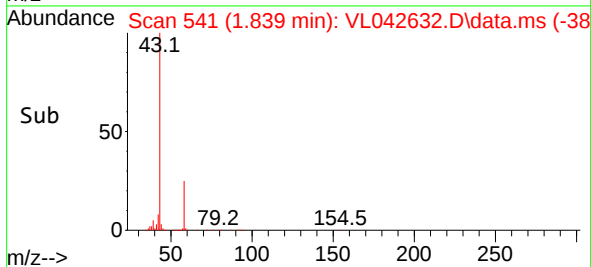
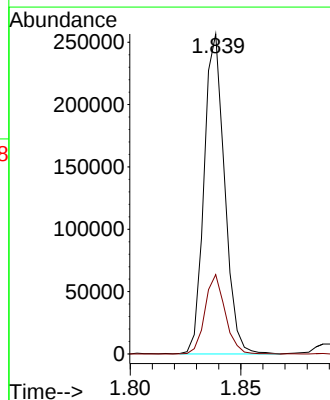
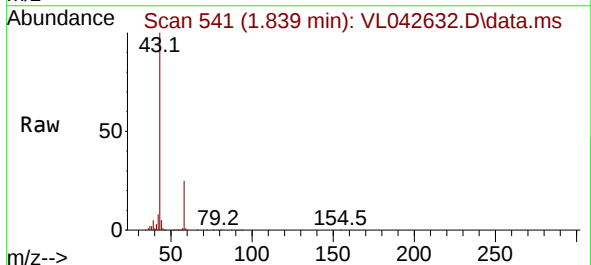
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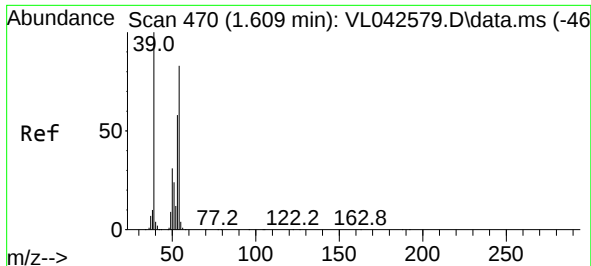
Tgt Ion: 45 Resp: 120630
Ion Ratio Lower Upper
45 100
46 38.0 14.5 58.1



#15
Acetone
Concen: 13.172 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 43 Resp: 165449
Ion Ratio Lower Upper
43 100
58 24.4 21.0 31.4

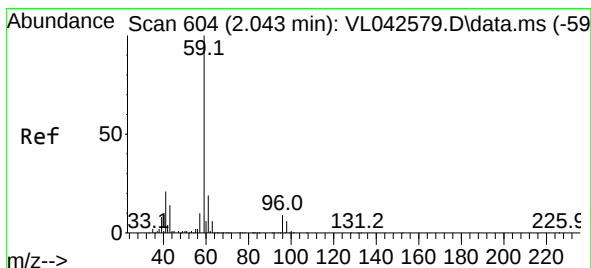
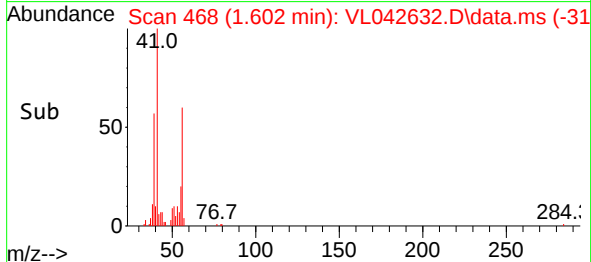
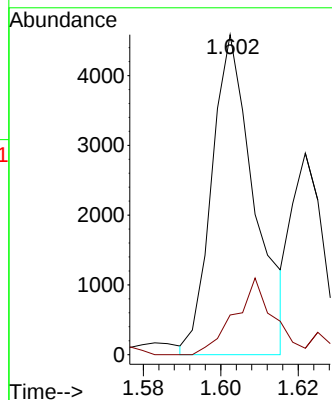
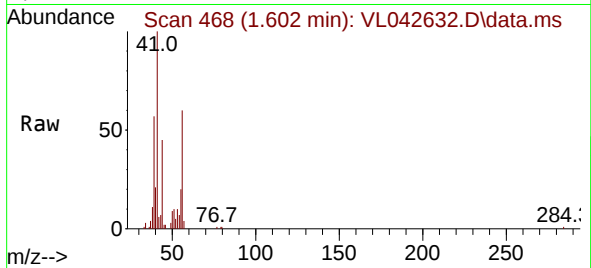




#16
1,3-Butadiene
Concen: 0.589 ppbv
RT: 1.602 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

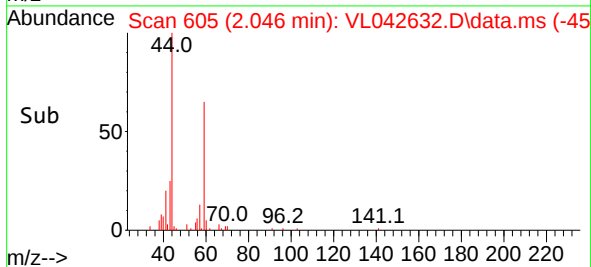
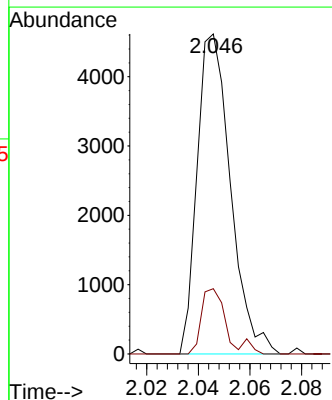
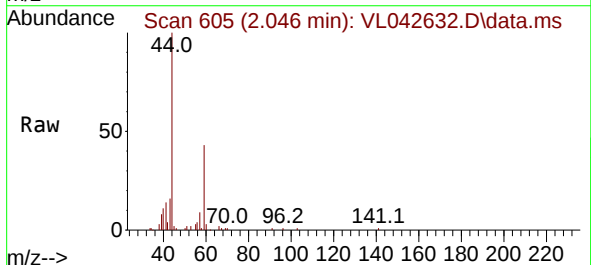
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

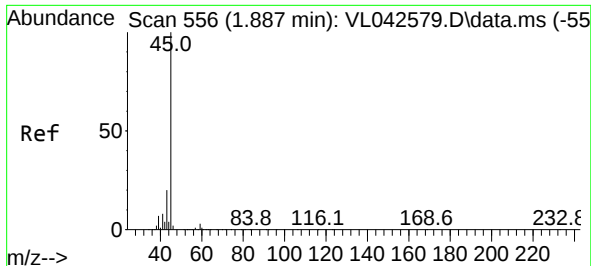
Tgt Ion: 39 Resp: 3503
Ion Ratio Lower Upper
39 100
54 28.6 57.9 86.9#



#17
tert-Butyl alcohol
Concen: 0.317 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 59 Resp: 4148
Ion Ratio Lower Upper
59 100
57 15.1 8.6 12.8#

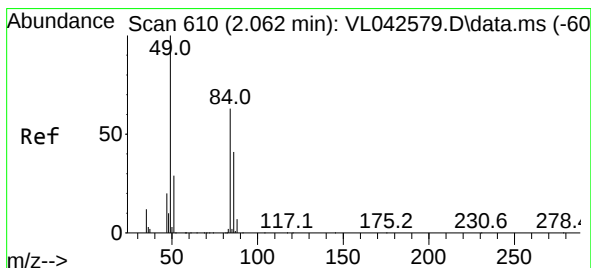
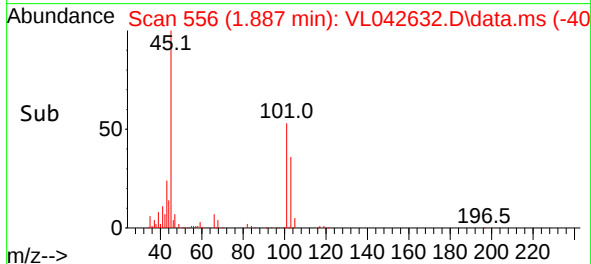
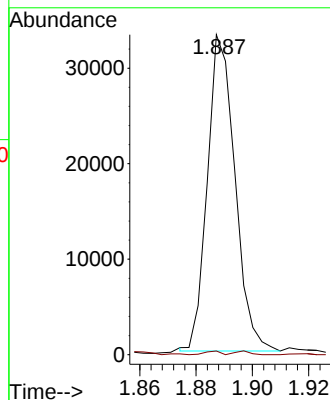
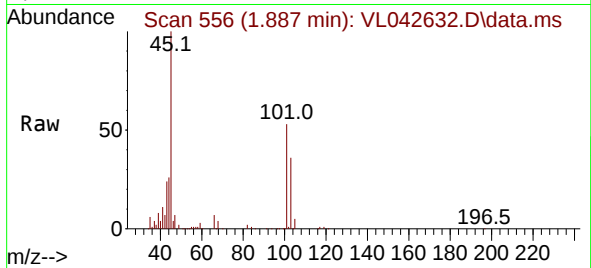




#19
Isopropyl Alcohol
Concen: 3.001 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

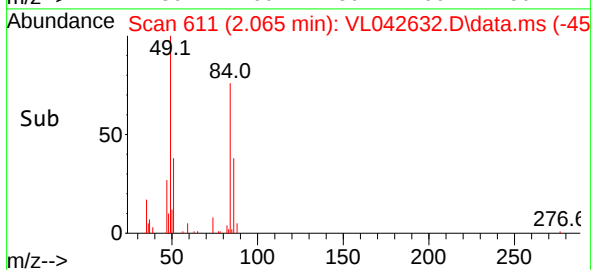
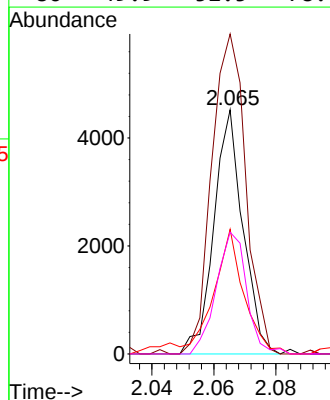
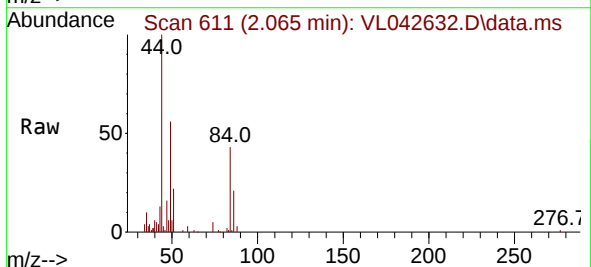
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

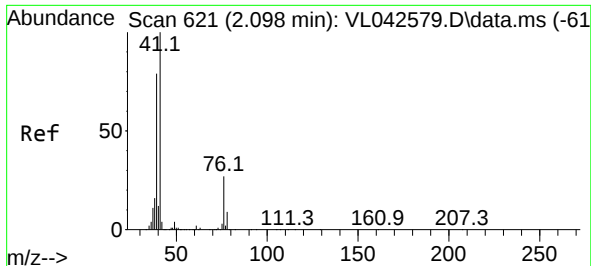
Tgt Ion: 45 Resp: 22537
Ion Ratio Lower Upper
45 100
58 178.7 29.4 44.2#



#20
Methylene Chloride
Concen: 0.710 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 84 Resp: 2944
Ion Ratio Lower Upper
84 100
49 131.1 128.8 193.2
51 48.7 38.6 57.8
86 49.9 52.5 78.7#

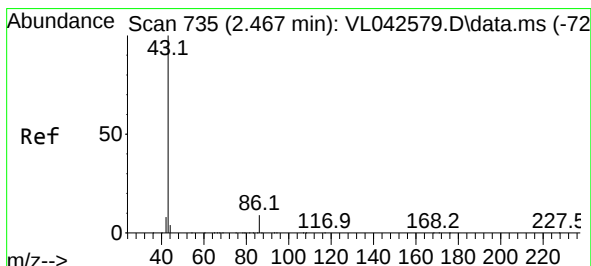
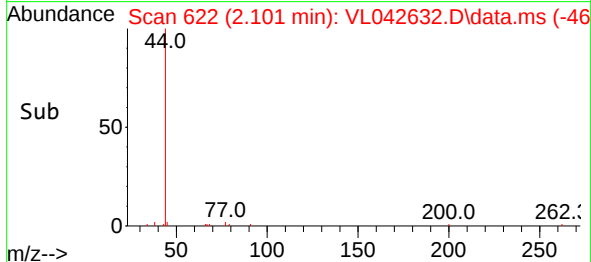
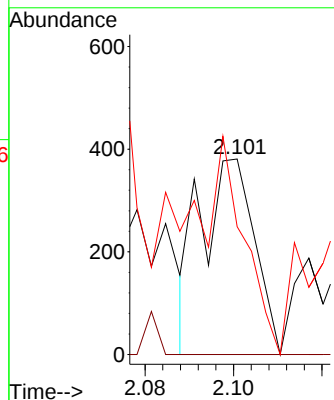
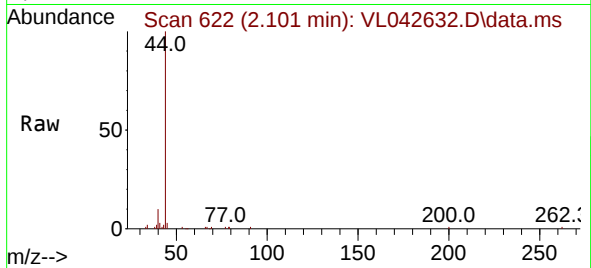




#21
 Allyl Chloride
 Concen: 0.036 ppbv
 RT: 2.101 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

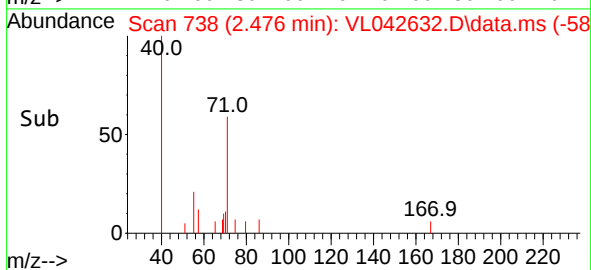
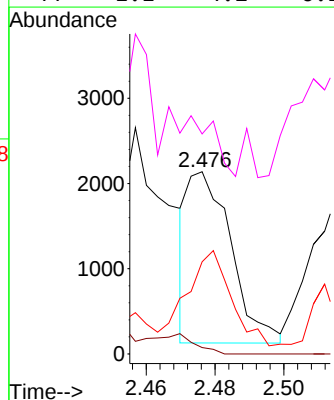
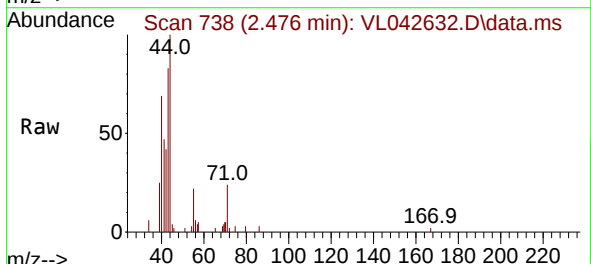
Instrument :
 MSVOA_1
 ClientSampleId :
 115-SG2

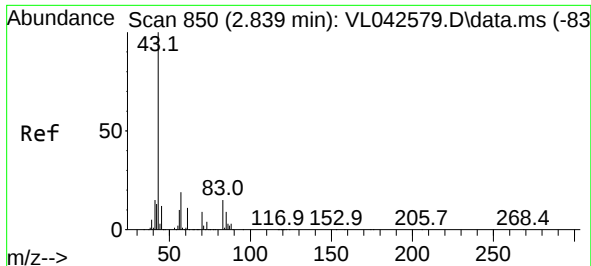
Tgt Ion:	41	Resp:	322
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.2	31.8#
39	0.0	60.9	91.3#



#23
 Vinyl Acetate
 Concen: 0.103 ppbv
 RT: 2.476 min Scan# 738
 Delta R.T. 0.010 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

Tgt Ion:	43	Resp:	1755
Ion	Ratio	Lower	Upper
43	100		
86	3.9	6.6	9.8#
42	50.8	7.0	10.4#
44	1.1	4.2	6.2#





#25

Ethyl Acetate

Concen: 0.050 ppbv

RT: 2.845 min Scan# 811

Delta R.T. 0.006 min

Lab File: VL042632.D

Acq: 16 Jun 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

115-SG2

Tgt Ion: 43 Resp: 1702

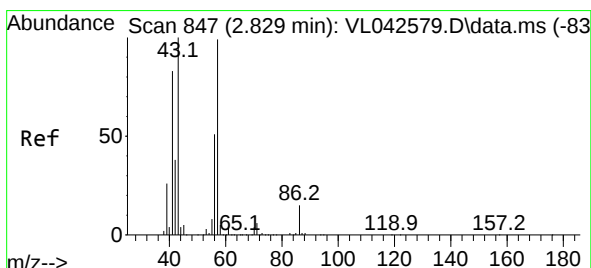
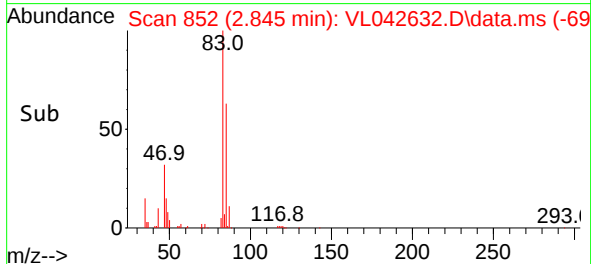
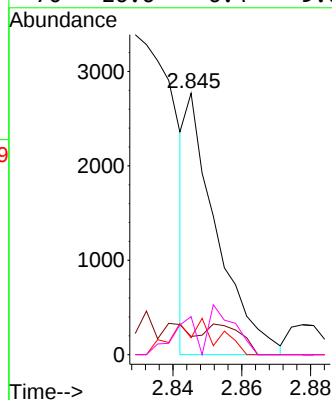
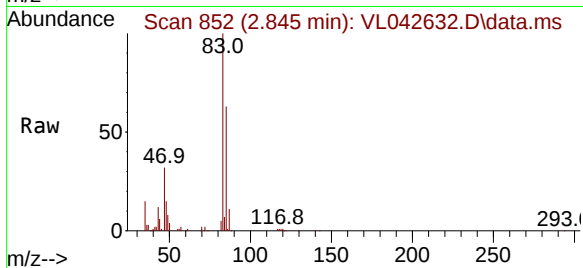
Ion Ratio Lower Upper

43 100

45 24.2 8.2 12.2#

61 19.1 7.1 10.7#

70 26.6 6.4 9.6#



#26

Hexane

Concen: 0.220 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.003 min

Lab File: VL042632.D

Acq: 16 Jun 2025 16:53

Tgt Ion: 57 Resp: 3435

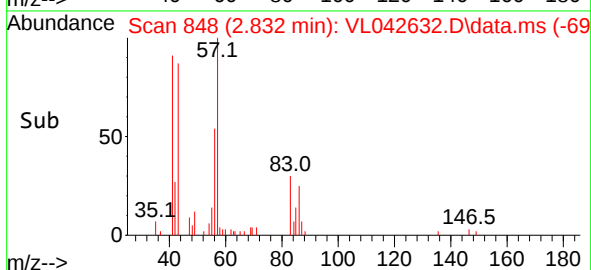
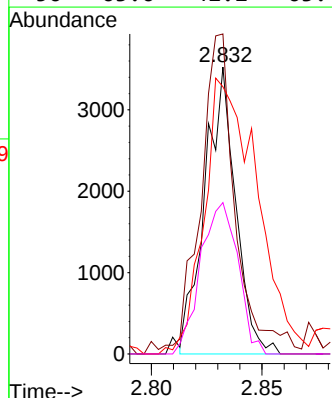
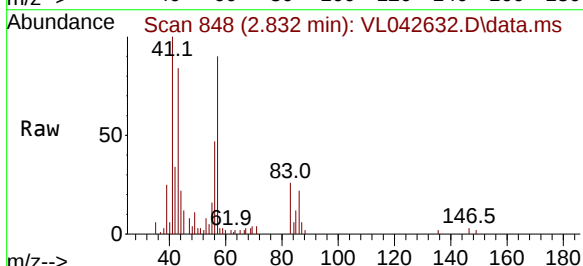
Ion Ratio Lower Upper

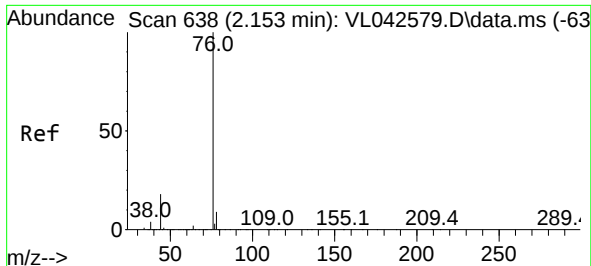
57 100

41 134.5 70.6 106.0#

43 173.6 181.1 271.7#

56 63.6 42.2 63.4#

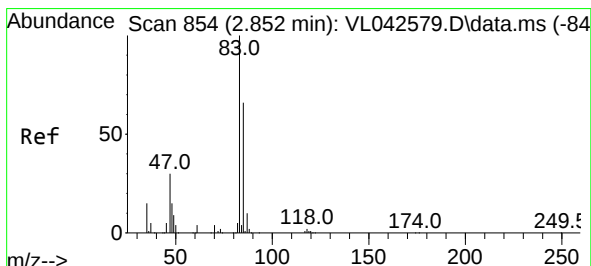
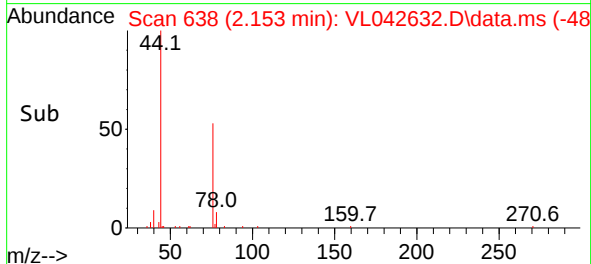
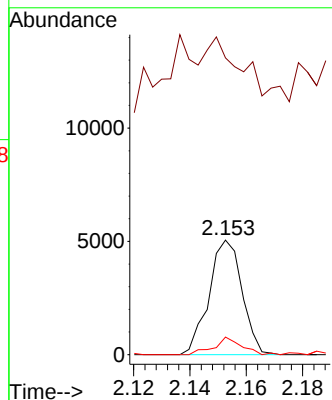
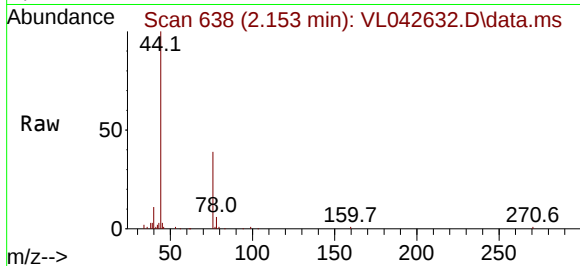




#27
Carbon Disulfide
Concen: 0.344 ppbv
RT: 2.153 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

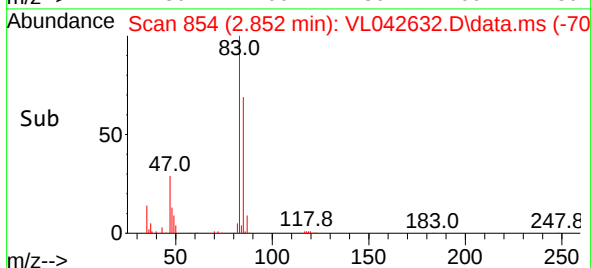
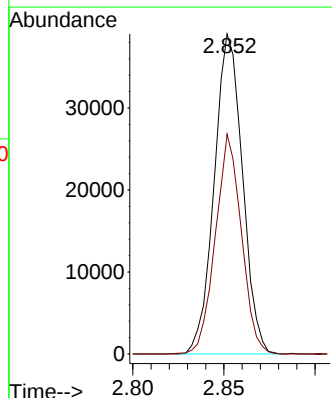
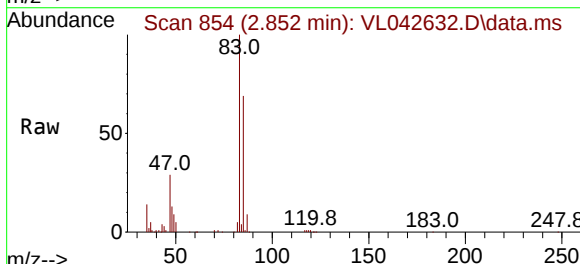
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

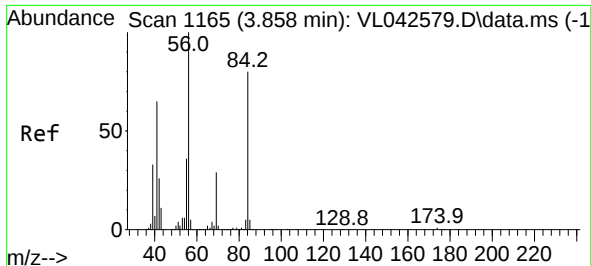
Tgt Ion: 76 Resp: 4129
Ion Ratio Lower Upper
76 100
44 858.7 21.3 31.9#
78 15.8 9.4 14.0#



#29
Chloroform
Concen: 2.073 ppbv
RT: 2.852 min Scan# 854
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 83 Resp: 42100
Ion Ratio Lower Upper
83 100
85 68.6 52.8 79.2

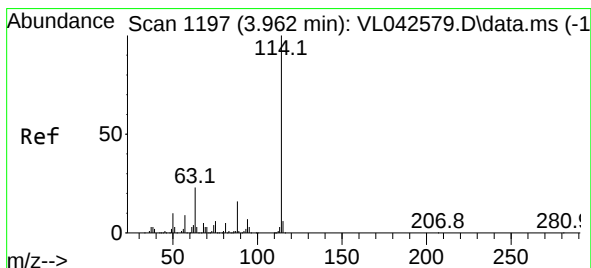
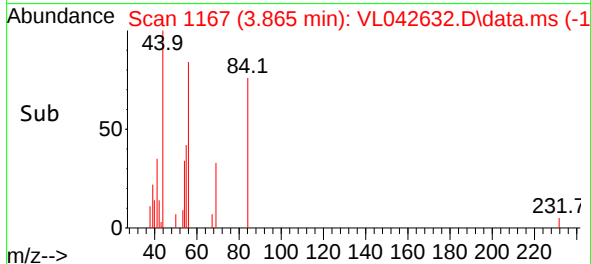
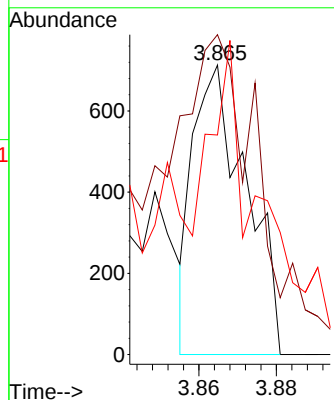
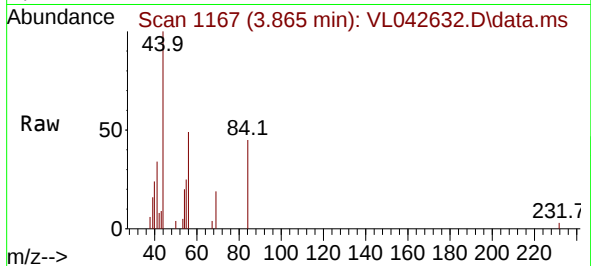




#30
Cyclohexane
Concen: 0.052 ppbv
RT: 3.865 min Scan# 1165
Delta R.T. 0.006 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

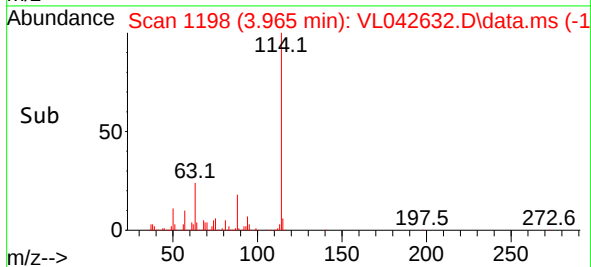
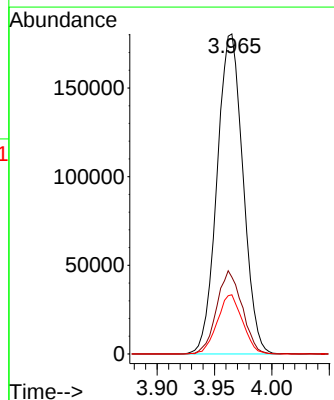
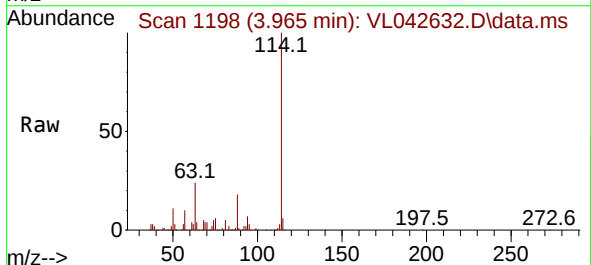
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

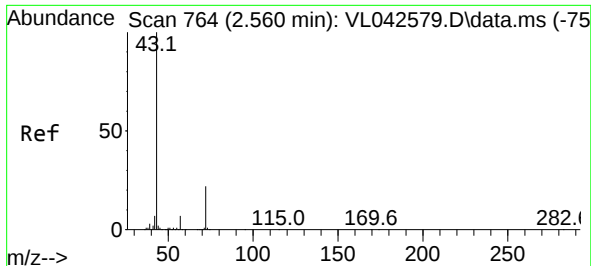
Tgt Ion: 84 Resp: 677
Ion Ratio Lower Upper
84 100
56 217.4 103.7 155.5#
41 176.5 65.1 97.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 114 Resp: 283950
Ion Ratio Lower Upper
114 100
63 25.5 19.0 28.6
88 18.0 13.6 20.4

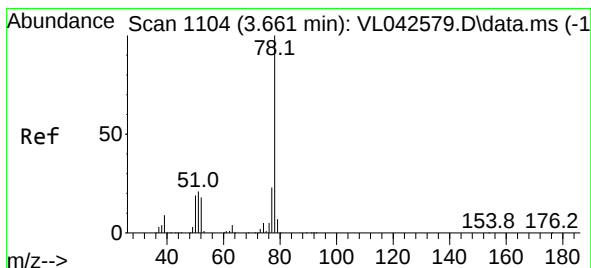
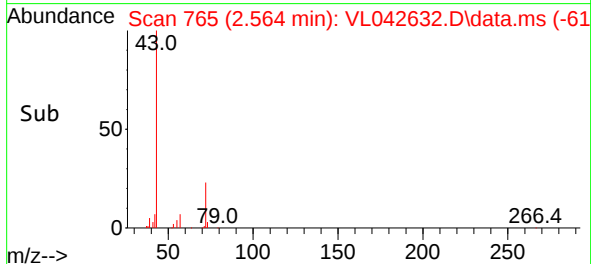
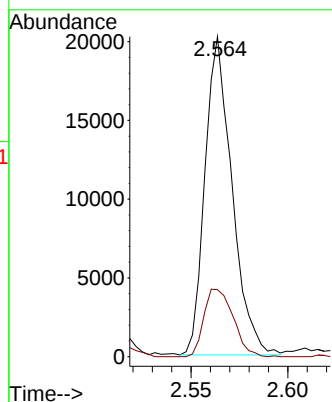
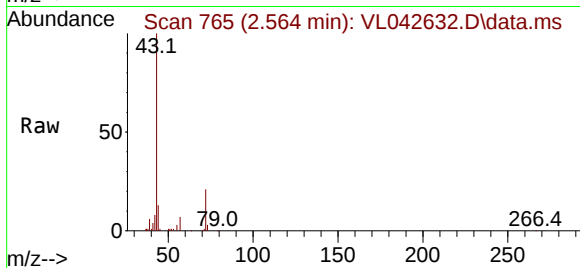




#34
2-Butanone
Concen: 0.970 ppbv
RT: 2.564 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

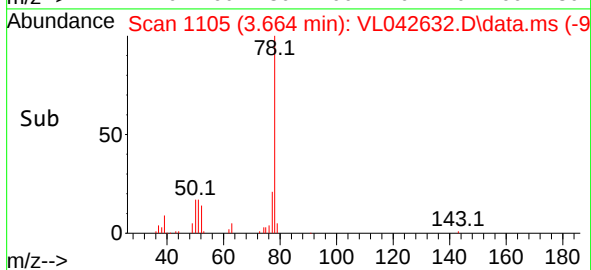
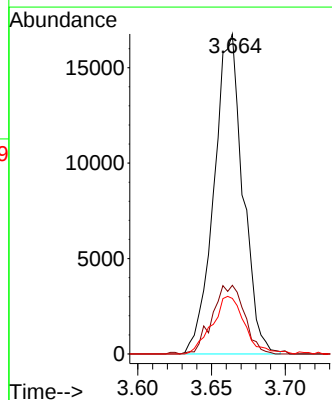
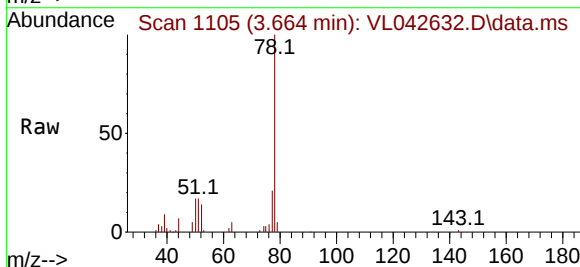
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

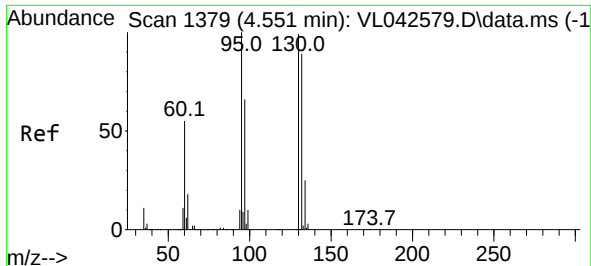
Tgt Ion: 43 Resp: 19644
Ion Ratio Lower Upper
43 100
72 22.9 17.7 26.5



#36
Benzene
Concen: 0.819 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 78 Resp: 22890
Ion Ratio Lower Upper
78 100
77 21.5 18.2 27.2
50 17.3 15.2 22.8

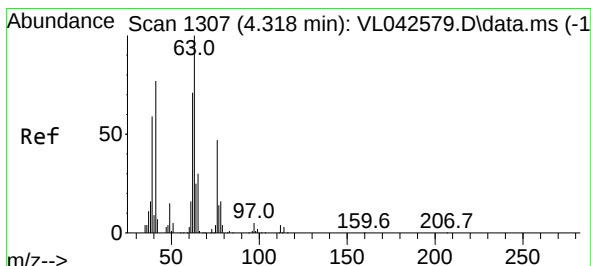
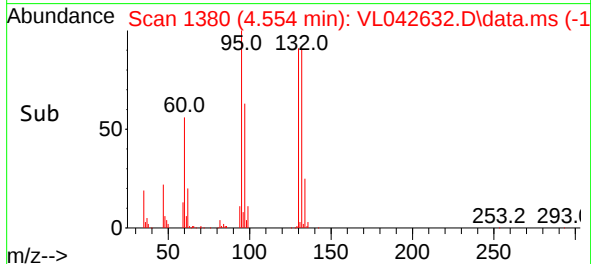
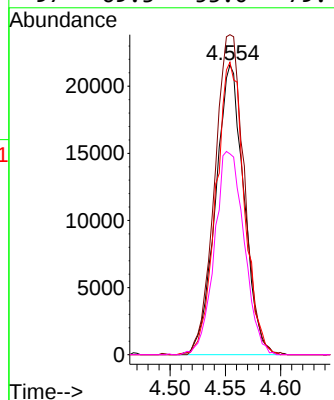
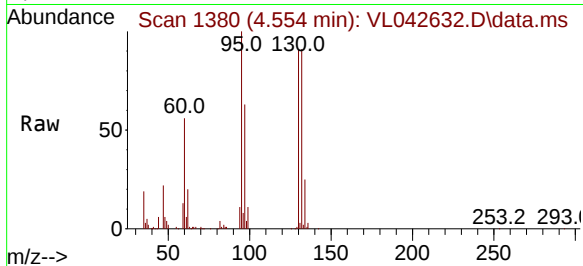




#38
 Trichloroethene
 Concen: 3.233 ppbv
 RT: 4.554 min Scan# 1197
 Delta R.T. 0.003 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

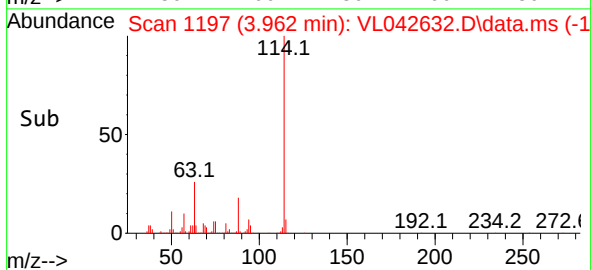
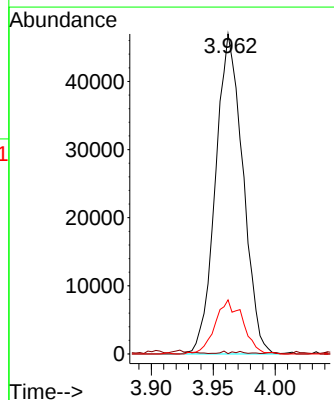
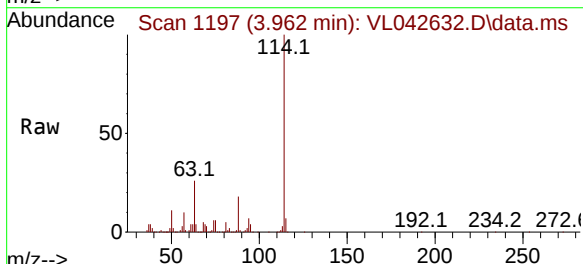
Instrument :
 MSVOA_L
 ClientSampleId :
 115-SG2

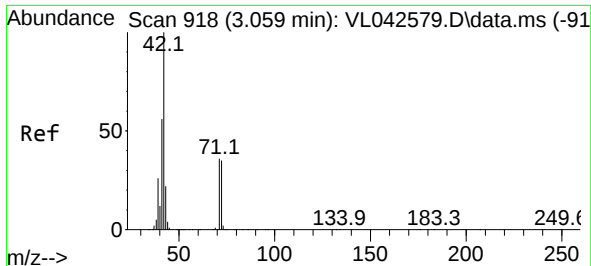
Tgt Ion:	130	Resp:	38427
Ion	Ratio	Lower	Upper
130	100		
95	110.5	80.6	121.0
132	101.0	71.8	107.6
97	69.3	53.0	79.4



#39
 1,2-Dichloropropane
 Concen: 6.995 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. -0.356 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

Tgt Ion:	63	Resp:	72328
Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.8	92.6#
62	16.9	56.6	85.0#

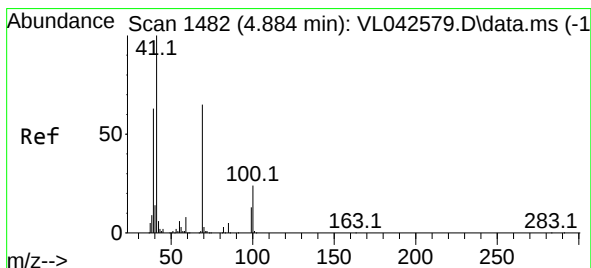
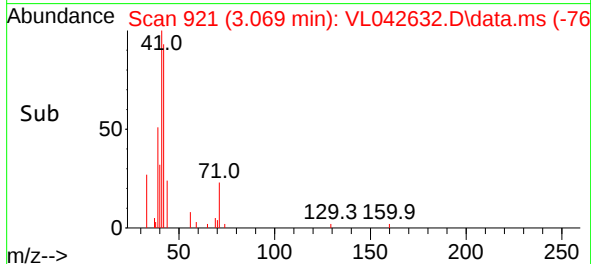
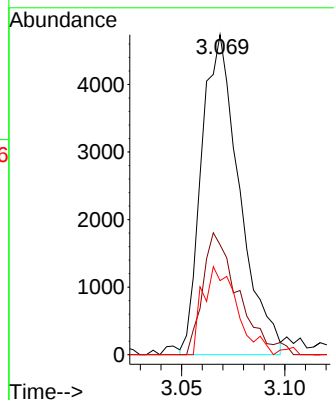
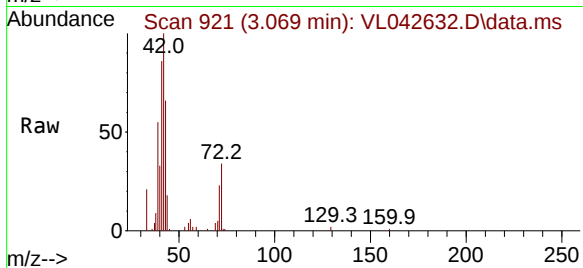




#41
Tetrahydrofuran
Concen: 0.510 ppbv
RT: 3.069 min Scan# 918
Delta R.T. 0.010 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

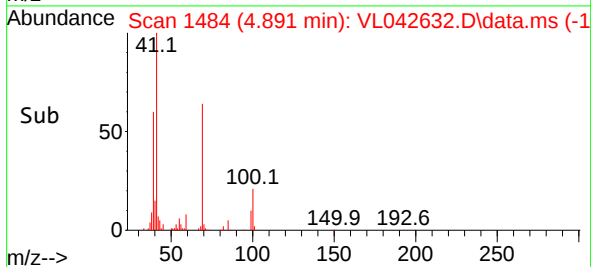
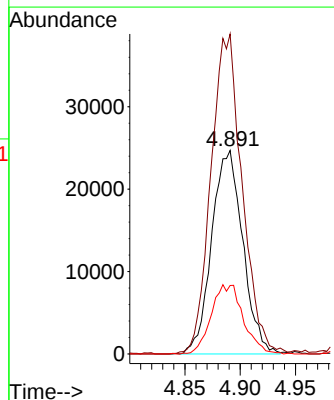
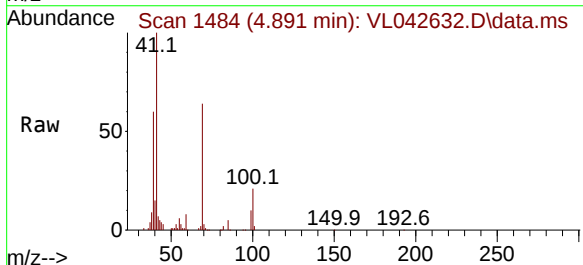
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

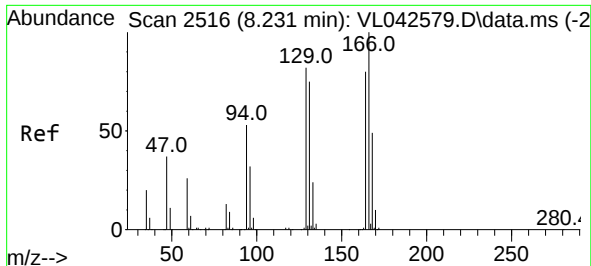
Tgt Ion: 42 Resp: 6042
Ion Ratio Lower Upper
42 100
72 36.0 28.9 43.3
71 25.6 28.5 42.7#



#43
Methyl Methacrylate
Concen: 4.447 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 69 Resp: 48265
Ion Ratio Lower Upper
69 100
41 158.4 124.6 187.0
100 35.2 29.9 44.9

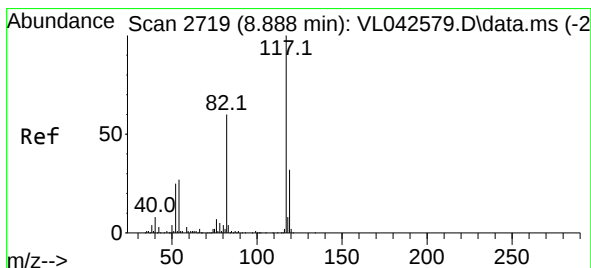
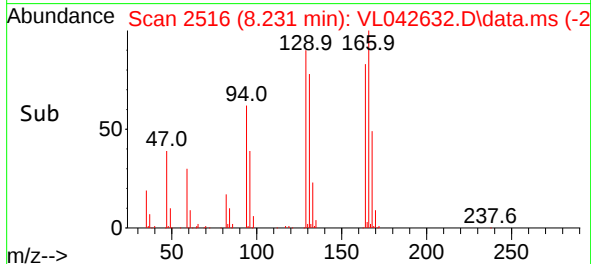
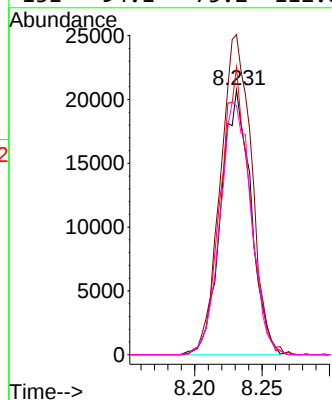
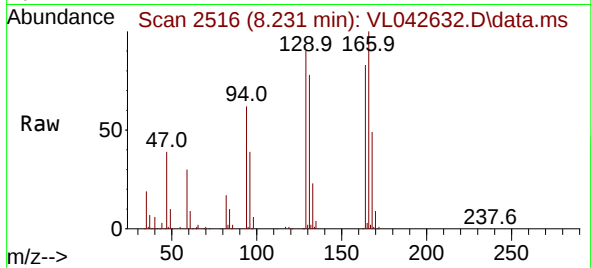




#52
Tetrachloroethene
Concen: 3.073 ppbv
RT: 8.231 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

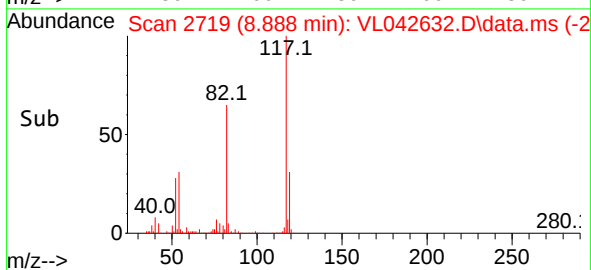
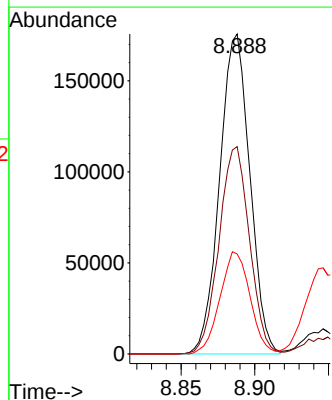
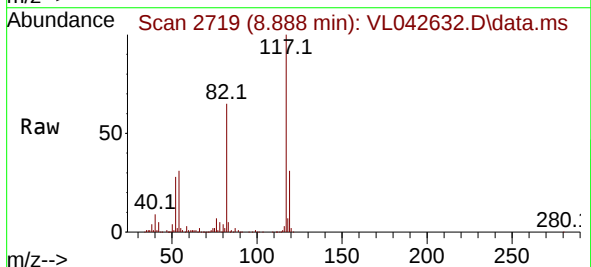
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

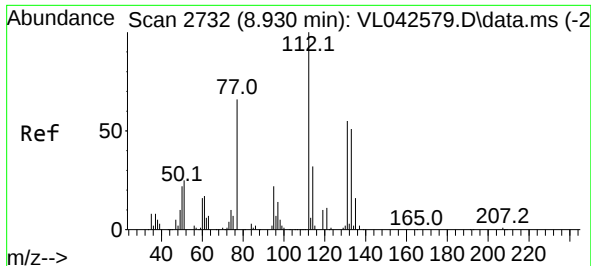
Tgt Ion:164 Resp: 32112
Ion Ratio Lower Upper
164 100
166 120.9 100.0 150.0
129 108.6 82.2 123.4
131 94.1 75.2 112.8



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:117 Resp: 250604
Ion Ratio Lower Upper
117 100
82 65.4 51.2 76.8
119 31.6 26.3 39.5

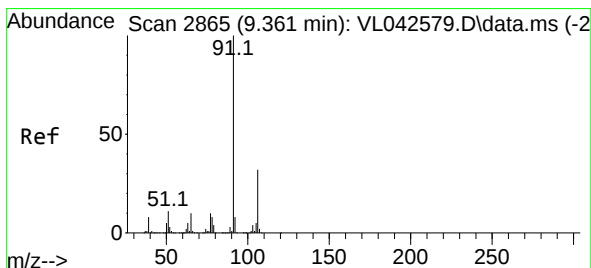
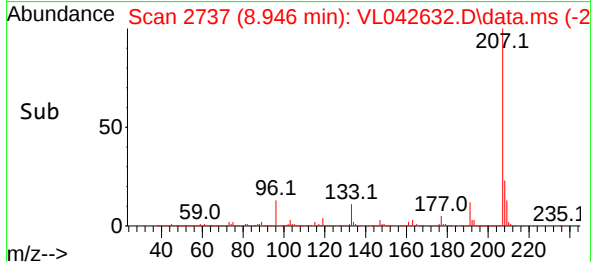
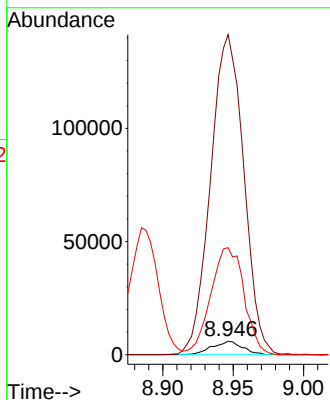
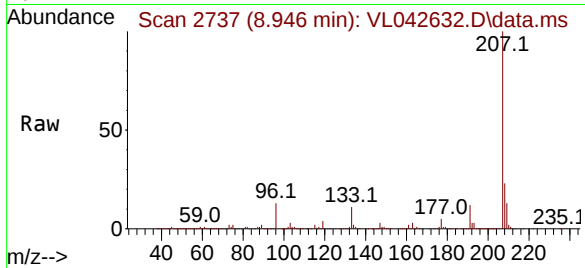




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.707 ppbv
 RT: 8.946 min Scan# 2115
 Delta R.T. 0.016 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

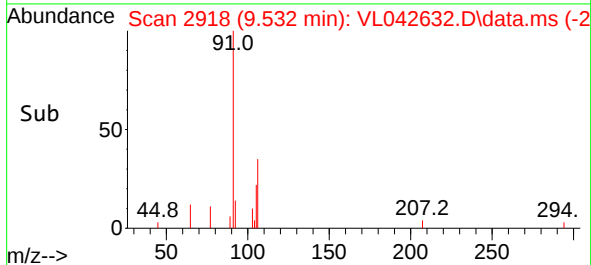
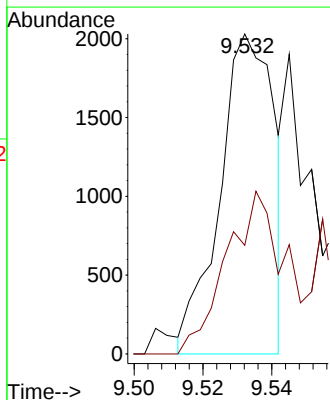
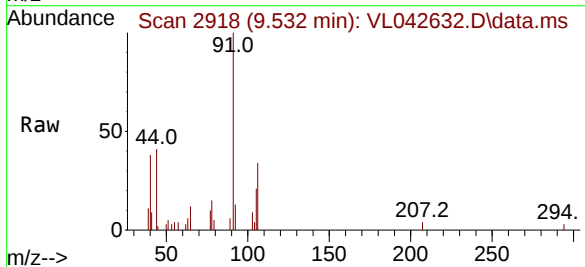
Instrument :
 MSVOA_1
 ClientSampleId :
 115-SG2

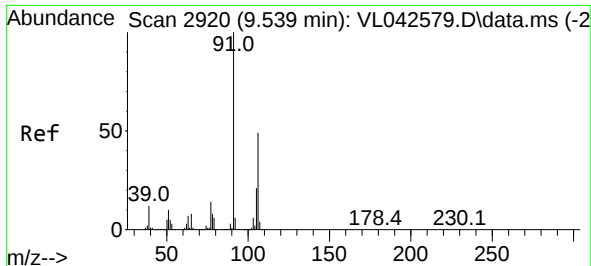
Tgt Ion:131 Resp: 8903
 Ion Ratio Lower Upper
 131 100
 133 2611.9 75.0 112.6#
 119 872.9 50.8 76.2#



#58
 Ethyl Benzene
 Concen: 0.052 ppbv
 RT: 9.532 min Scan# 2918
 Delta R.T. 0.172 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

Tgt Ion: 91 Resp: 2228
 Ion Ratio Lower Upper
 91 100
 106 35.8 25.9 38.9





#59

m/p-Xylene

Concen: 0.067 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.006 min

Lab File: VL042632.D

Acq: 16 Jun 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

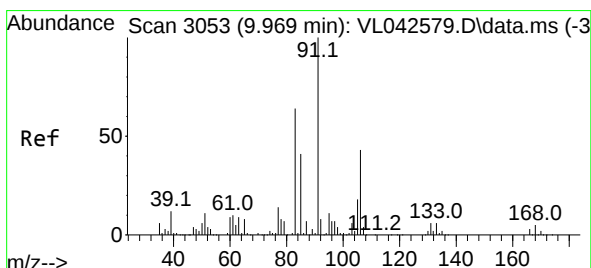
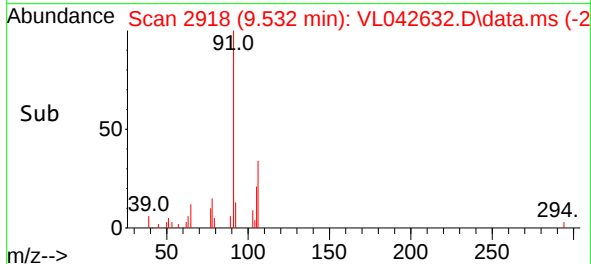
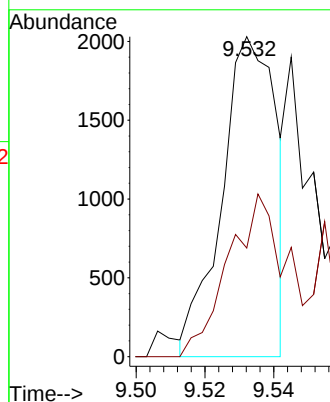
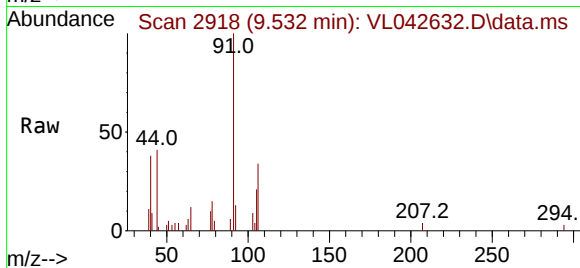
115-SG2

Tgt Ion: 91 Resp: 2228

Ion Ratio Lower Upper

91 100

106 76.0 38.8 58.2#



#60

o-Xylene

Concen: 0.040 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL042632.D

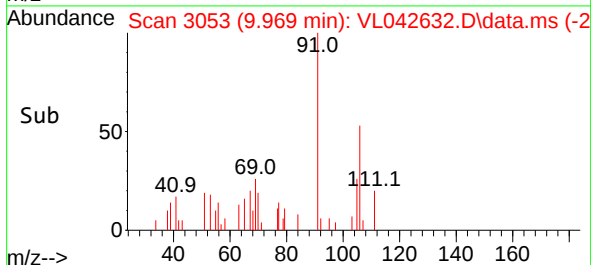
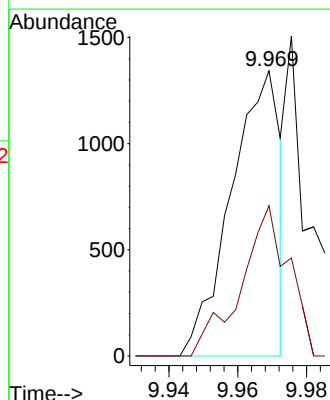
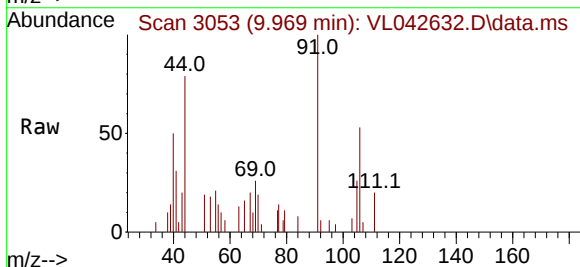
Acq: 16 Jun 2025 16:53

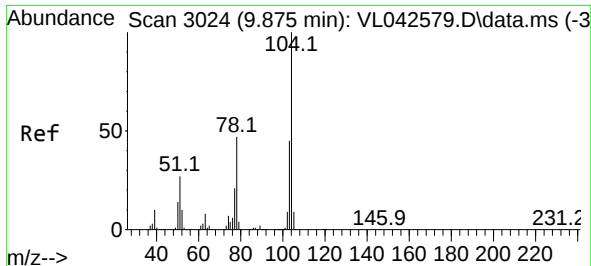
Tgt Ion: 91 Resp: 1329

Ion Ratio Lower Upper

91 100

106 51.2 22.9 68.5

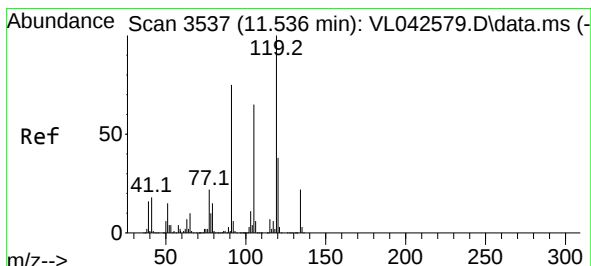
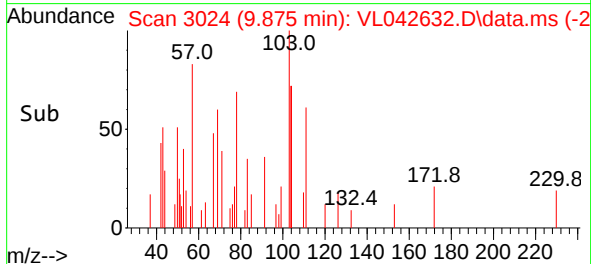
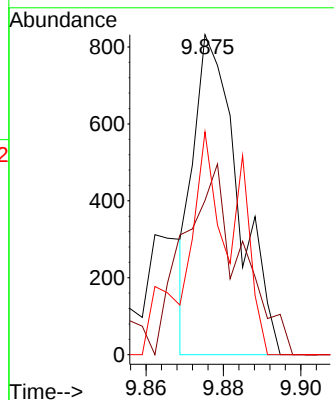
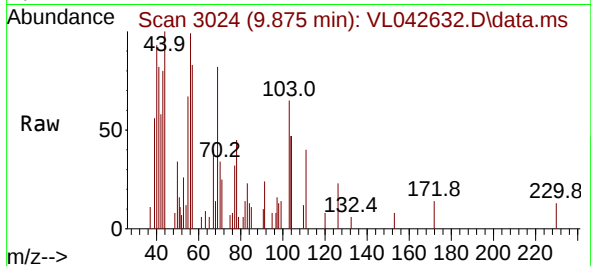




#61
Styrene
Concen: 0.042 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

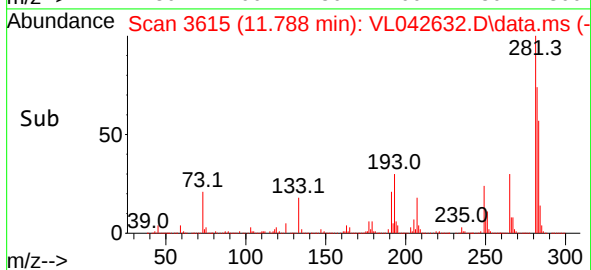
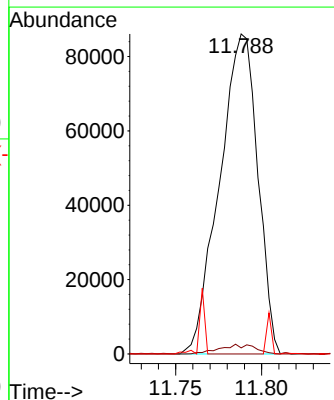
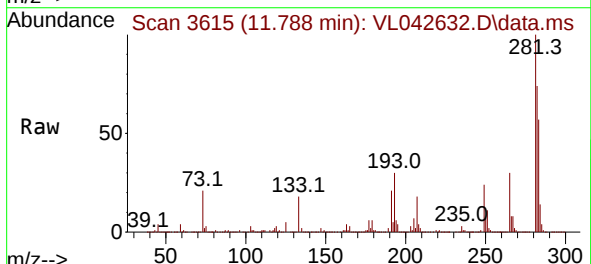
Instrument :
MSVOA_1
ClientSampleId :
115-SG2

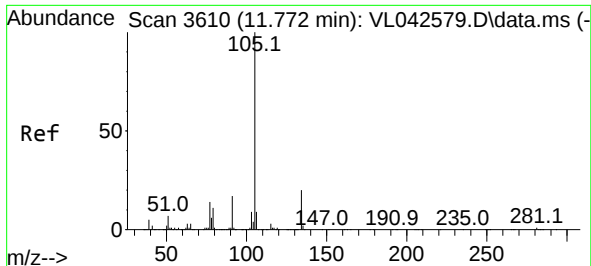
Tgt Ion:104 Resp: 664
Ion Ratio Lower Upper
104 100
78 81.2 38.2 57.4#
103 75.9 36.7 55.1#



#65
tert-Butylbenzene
Concen: 2.970 ppbv
RT: 11.788 min Scan# 3615
Delta R.T. 0.252 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:119 Resp: 132855
Ion Ratio Lower Upper
119 100
91 3.0 61.1 91.7#
134 1.7 17.4 26.2#

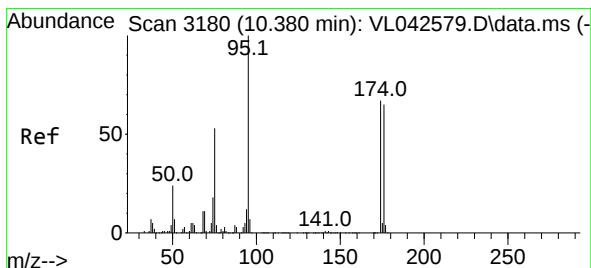
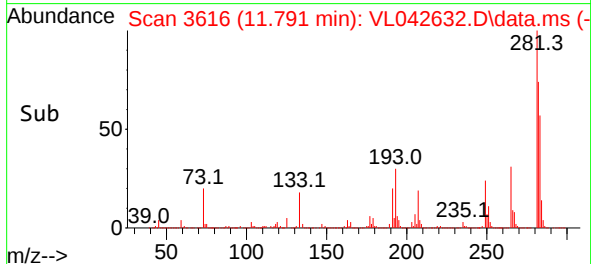
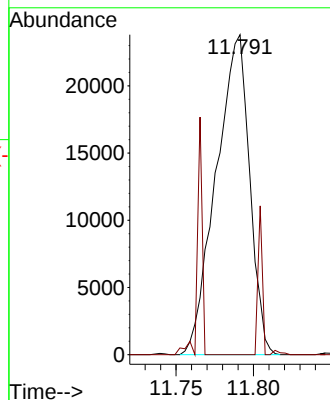
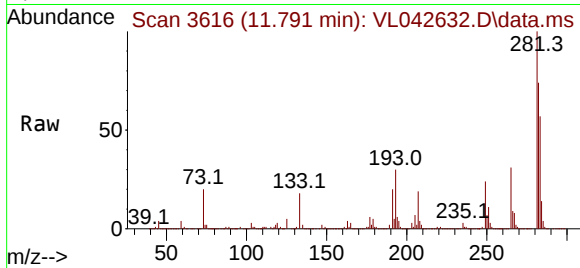




#67
 sec-Butylbenzene
 Concen: 0.568 ppbv
 RT: 11.791 min Scan# 3616
 Delta R.T. 0.019 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

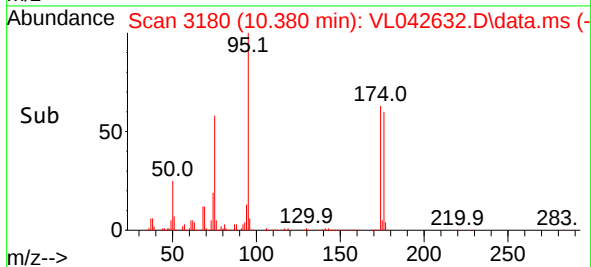
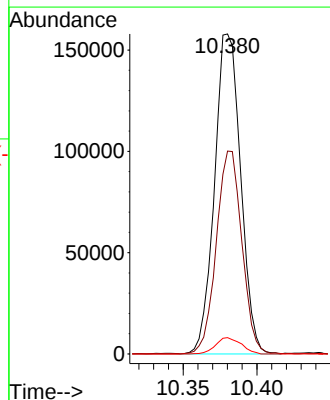
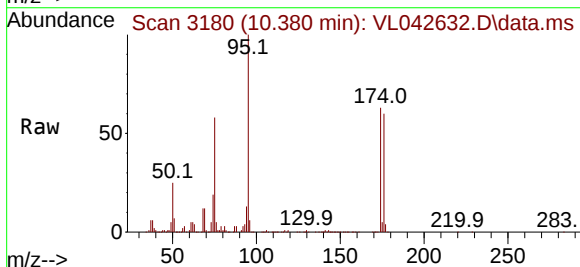
Instrument :
 MSVOA_1
 ClientSampleId :
 115-SG2

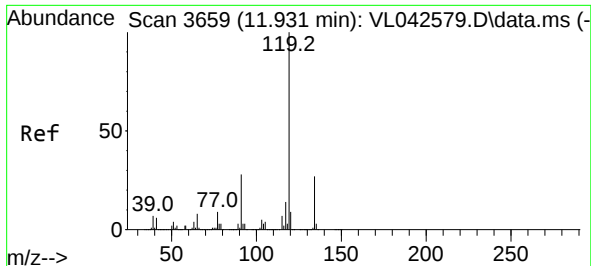
Tgt Ion:105 Resp: 35727
 Ion Ratio Lower Upper
 105 100
 134 6.3 15.8 23.6#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.380 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL042632.D
 Acq: 16 Jun 2025 16:53

Tgt Ion: 95 Resp: 195002
 Ion Ratio Lower Upper
 95 100
 174 62.0 53.1 79.7
 175 5.0 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.035 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. -0.003 min

Lab File: VL042632.D

Acq: 16 Jun 2025 16:53

Instrument :

MSVOA_1

ClientSampleId :

115-SG2

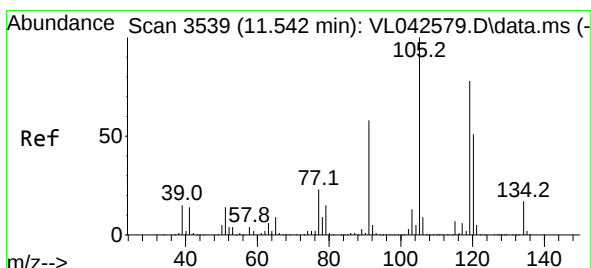
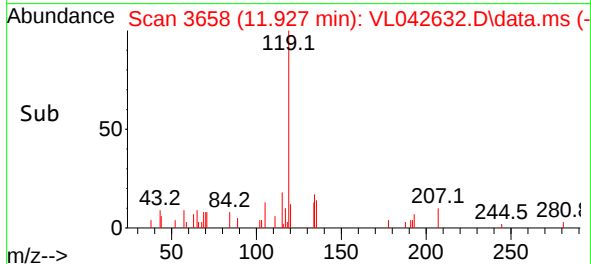
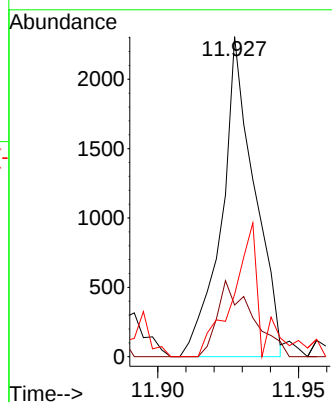
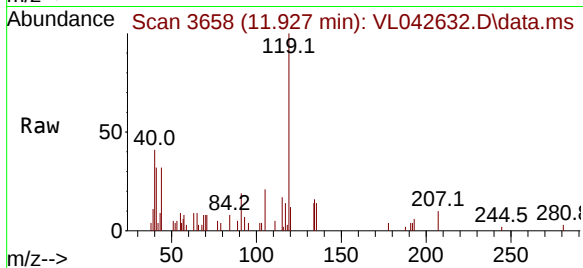
Tgt Ion:119 Resp: 1867

Ion Ratio Lower Upper

119 100

134 0.0 21.1 31.7#

91 34.5 21.9 32.9#



#74

1,2,4-Trimethylbenzene

Concen: 0.046 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.003 min

Lab File: VL042632.D

Acq: 16 Jun 2025 16:53

Tgt Ion:105 Resp: 1747

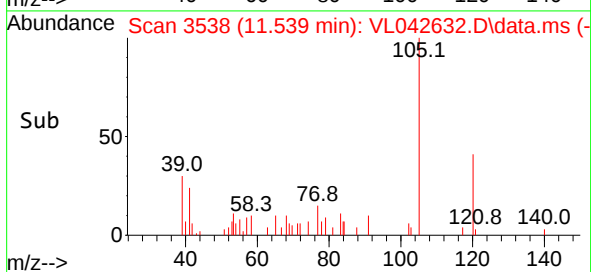
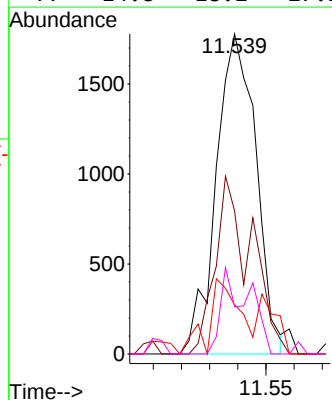
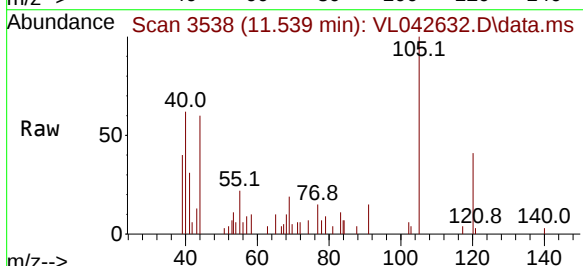
Ion Ratio Lower Upper

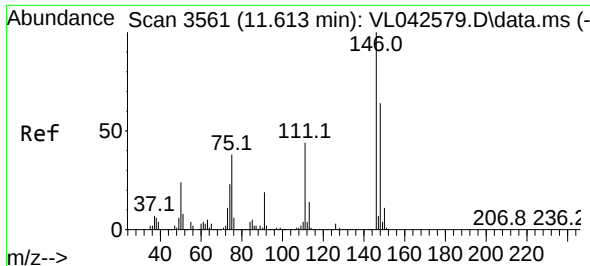
105 100

120 44.7 40.8 61.2

91 15.4 46.8 70.2#

77 14.8 18.2 27.2#

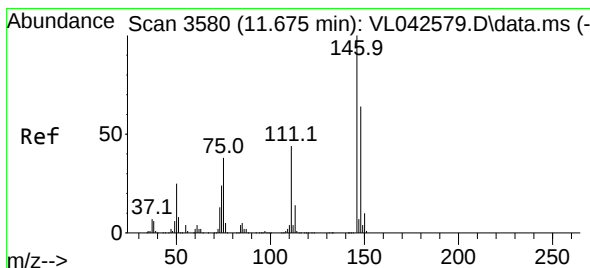
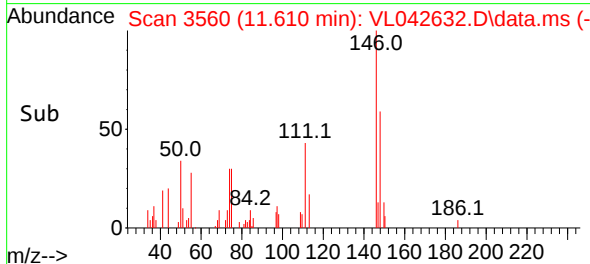
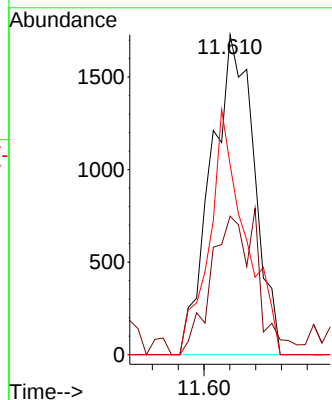
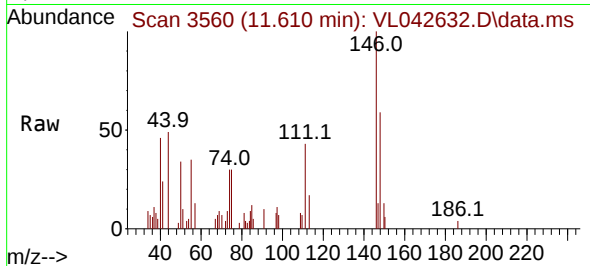




#75
1,3-Dichlorobenzene
Concen: 0.083 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

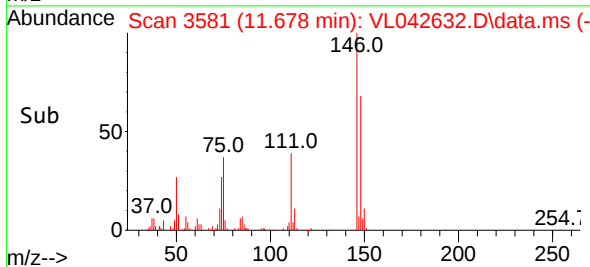
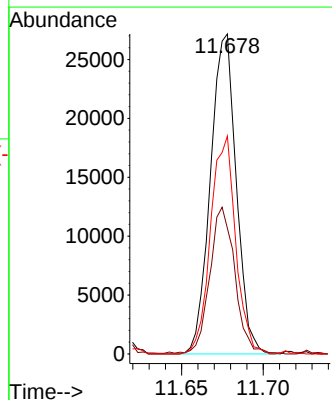
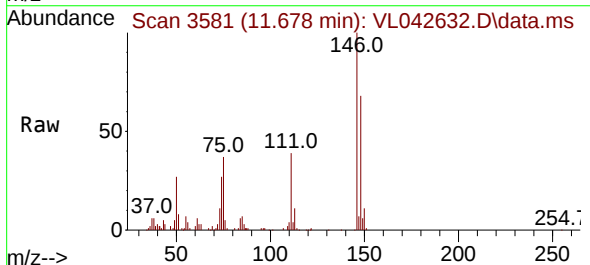
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

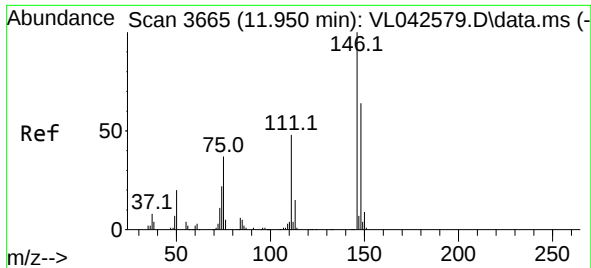
Tgt Ion:146 Resp: 1995
Ion Ratio Lower Upper
146 100
111 0.0 22.4 67.3#
148 64.0 32.0 96.2



#76
1,4-Dichlorobenzene
Concen: 1.251 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:146 Resp: 29939
Ion Ratio Lower Upper
146 100
111 45.2 21.6 64.8
148 66.4 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 1.286 ppbv

RT: 11.678 min Scan# 3

Delta R.T. -0.272 min

Lab File: VL042632.D

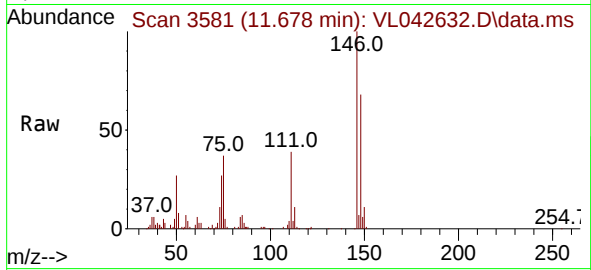
Acq: 16 Jun 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

115-SG2



Tgt Ion:146 Resp: 29939

Ion Ratio Lower Upper

146 100

111 44.8 23.1 69.3

148 66.4 32.1 96.3

