

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111325\
 Data File : VL043201.D
 Acq On : 13 Nov 2025 15:58
 Operator : SY/MD
 Sample : Q3627-05 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 UNIT-7-SS-1

Quant Time: Nov 14 04:41:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	147747	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	400343	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	381448	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	268804	9.066	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	4876	0.232	ppbv	93
3) Chlorodifluoromethane	1.470	51	3848456	169.343	ppbv #	58
4) Chloromethane	1.537	50	3247	0.390	ppbv	96
5) Vinyl Chloride	1.492	62	325	0.040	ppbv #	66
7) Chloroethane	1.470	64	877504	262.970	ppbv	98
9) Propene	1.489	41	41551	4.122	ppbv	92
10) Heptane	4.991	43	10313	0.355	ppbv	92
11) Trichlorofluoromethane	1.884	101	4177	0.203	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.146	101	730	0.044	ppbv #	77
13) Ethanol	1.725	45	711495	190.837	ppbv	96
15) Acetone	1.839	43	491909	24.702	ppbv	92
16) 1,3-Butadiene	1.605	39	12554	1.323	ppbv #	32
17) tert-Butyl alcohol	2.046	59	24573	0.899	ppbv	98
19) Isopropyl Alcohol	1.890	45	993000	80.062	ppbv #	37
20) Methylene Chloride	2.068	84	5343	0.679	ppbv	91
21) Allyl Chloride	2.046	41	7415	0.505	ppbv #	65
23) Vinyl Acetate	2.483	43	13886	0.476	ppbv #	47
25) Ethyl Acetate	2.842	43	40715	0.824	ppbv #	97
26) Hexane	2.835	57	18948	0.833	ppbv #	91
27) Carbon Disulfide	2.156	76	12592	0.604	ppbv #	57
29) Chloroform	2.855	83	5153	0.156	ppbv	93
30) Cyclohexane	3.871	84	2131	0.107	ppbv #	1
31) cis-1,2-Dichloroethene	2.848	61	3477	0.160	ppbv #	24
34) 2-Butanone	2.563	43	200156	7.438	ppbv	97
35) Carbon Tetrachloride	3.771	117	3124	0.109	ppbv #	85
36) Benzene	3.664	78	33860	0.898	ppbv	96
38) Trichloroethene	4.564	130	2156	0.137	ppbv #	80
39) 1,2-Dichloropropane	3.968	63	100133	7.264	ppbv #	24
41) Tetrahydrofuran	3.068	42	6164	0.410	ppbv #	71
44) 2,2,4-Trimethylpentane	4.654	57	2115	0.033	ppbv #	1
50) 4-Methyl-2-Pentanone	5.761	43	196948	5.303	ppbv	97
51) 2-Hexanone	7.448	43	36538	1.312	ppbv #	90
52) Tetrachloroethene	8.237	164	70881	5.213	ppbv	91
53) Toluene	6.949	91	31937	0.714	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.940	131	985	0.041	ppbv #	9
58) Ethyl Benzene	9.360	91	9783	0.149	ppbv	95
59) m/p-Xylene	9.542	91	11480	0.220	ppbv #	81
60) o-Xylene	9.969	91	4953	0.096	ppbv	92
61) Styrene	9.875	104	3586	0.154	ppbv	94
62) Isopropylbenzene	10.545	105	13362	0.143	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.985	83	2282	0.066	ppbv #	2
66) Benzyl Chloride	11.623	91	2323	0.254	ppbv #	31
67) sec-Butylbenzene	11.778	105	8262	0.071	ppbv #	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111325\
Data File : VL043201.D
Acq On : 13 Nov 2025 15:58
Operator : SY/MD
Sample : Q3627-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-SS-1

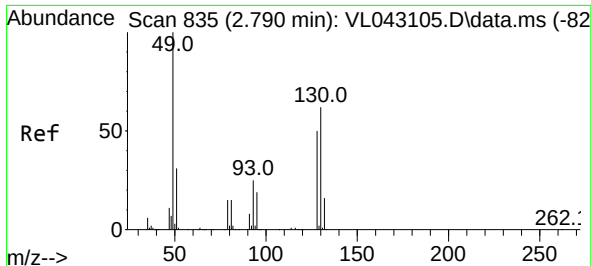
Quant Time: Nov 14 04:41:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	11.131	105	1959	0.031	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.212	105	2247	0.043	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	7762	0.133	ppbv #	60
77) 1,2-Dichlorobenzene	11.778	146	1191	0.036	ppbv #	1
79) Naphthalene	13.520	128	2239	0.037	ppbv #	23

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

Quant Time: Nov 14 04:41:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

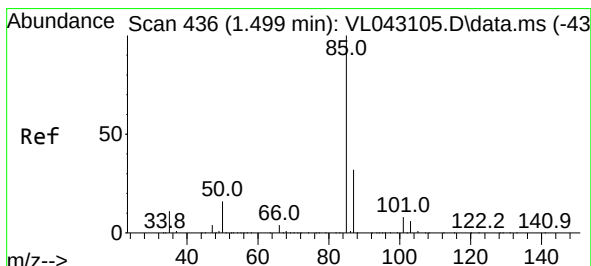
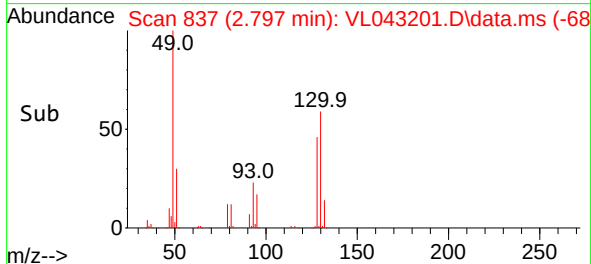
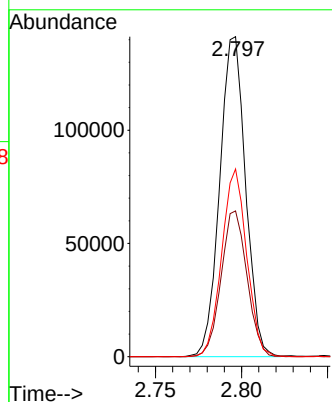
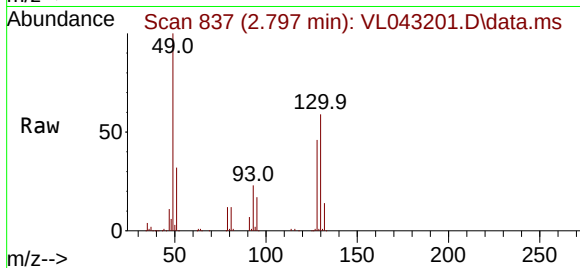




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

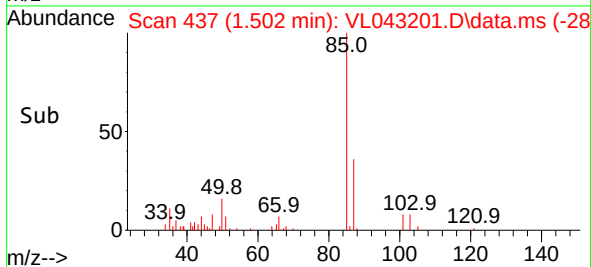
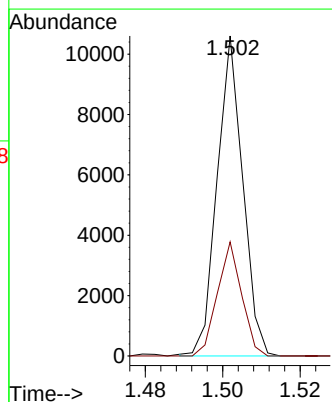
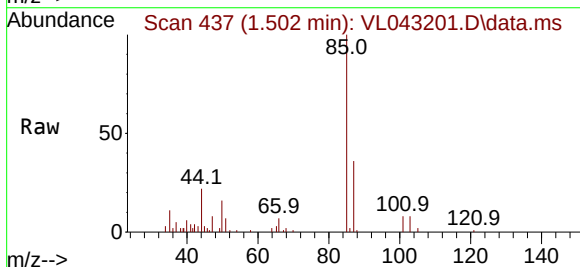
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MSVOA_L
ClientSampleId :
UNIT-7-SS-1

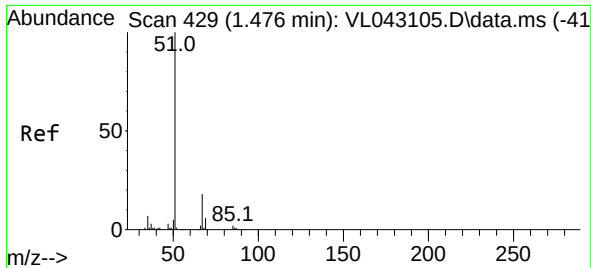
Tgt Ion: 49 Resp: 147747
Ion Ratio Lower Upper
49 100
128 45.6 24.4 73.4
130 56.6 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.232 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 85 Resp: 4876
Ion Ratio Lower Upper
85 100
87 35.7 25.3 37.9

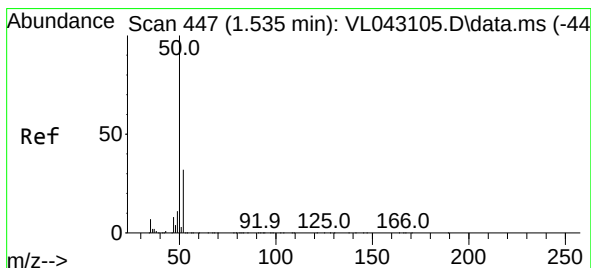
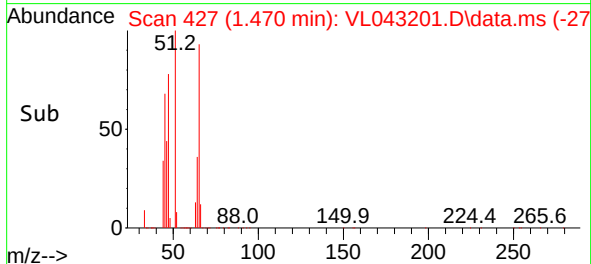
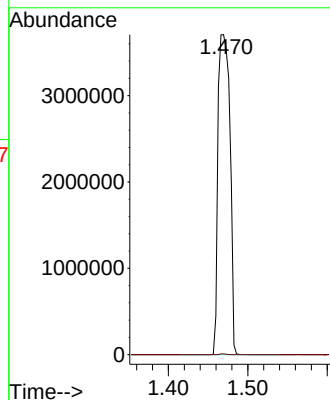
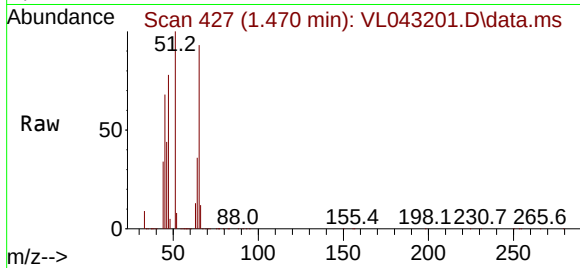




#3
Chlorodifluoromethane
Concen: 169.343 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

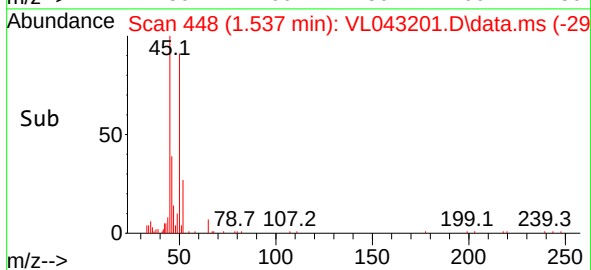
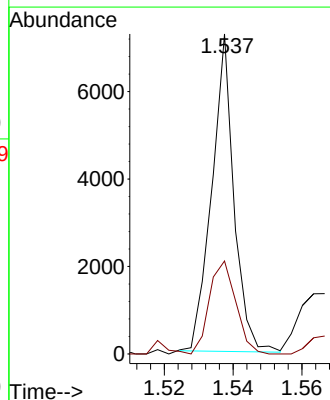
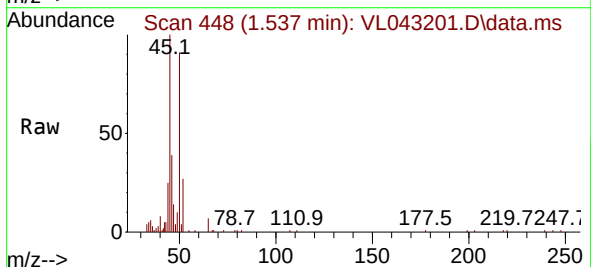
Instrument :
MSVOA_1
ClientSampleId :
UNIT-7-SS-1

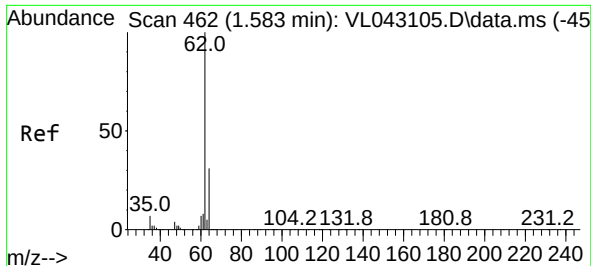
Tgt Ion: 51 Resp: 3848456
Ion Ratio Lower Upper
51 100
67 0.2 15.1 22.7#



#4
Chloromethane
Concen: 0.390 ppbv
RT: 1.537 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 50 Resp: 3247
Ion Ratio Lower Upper
50 100
52 29.3 25.2 37.8

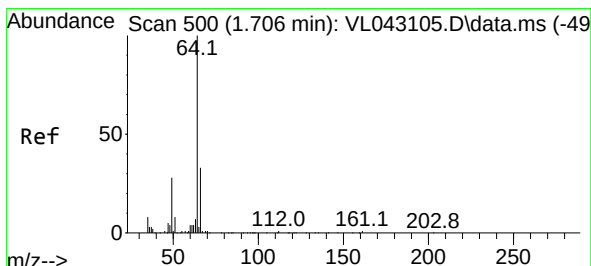
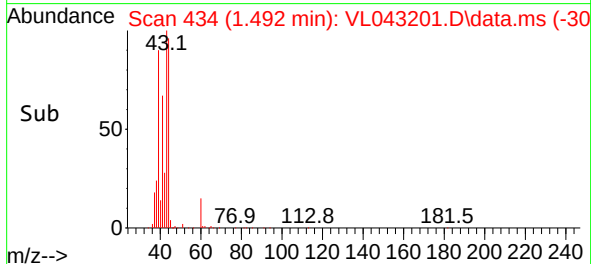
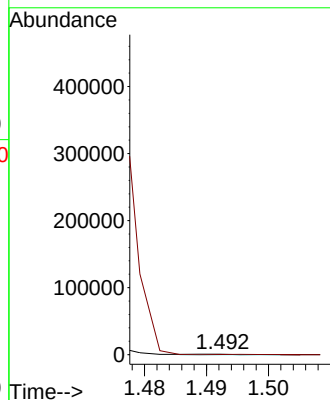
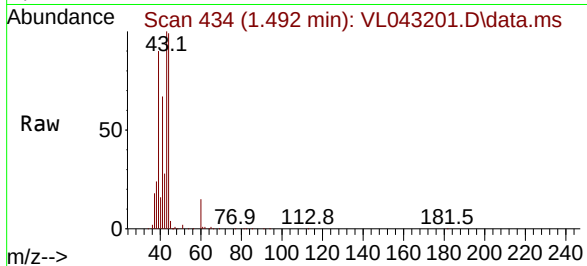




#5
 Vinyl Chloride
 Concen: 0.040 ppbv
 RT: 1.492 min Scan# 41
 Delta R.T. -0.091 min
 Lab File: VL043201.D
 Acq: 13 Nov 2025 15:58

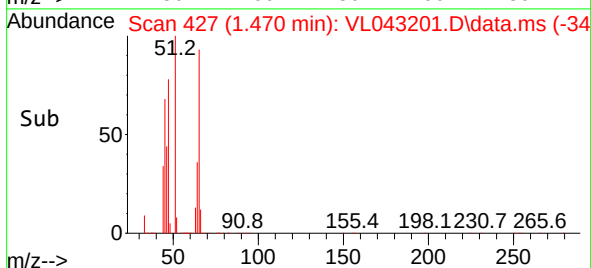
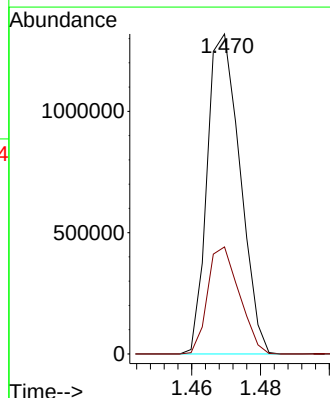
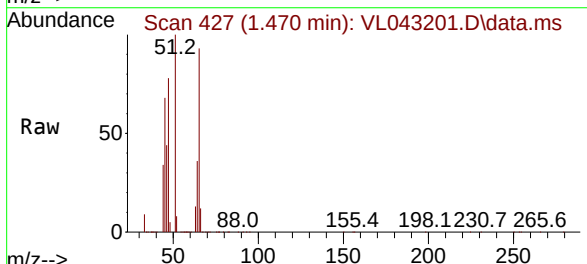
Instrument :
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 ClientSampleId :
 UNIT-7-SS-1

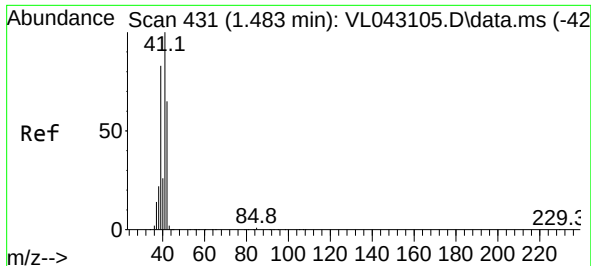
Tgt Ion: 62 Resp: 325
 Ion Ratio Lower Upper
 62 100
 64 11.9 24.6 36.8#



#7
 Chloroethane
 Concen: 262.970 ppbv
 RT: 1.470 min Scan# 427
 Delta R.T. -0.237 min
 Lab File: VL043201.D
 Acq: 13 Nov 2025 15:58

Tgt Ion: 64 Resp: 877504
 Ion Ratio Lower Upper
 64 100
 66 33.4 26.0 39.0





#9

Propene

Concen: 4.122 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043201.D

Acq: 13 Nov 2025 15:58

Instrument :

MSVOA_1

ClientSampleId :

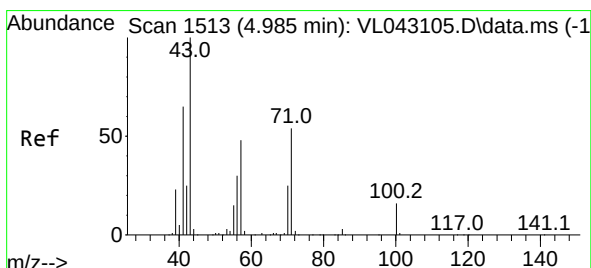
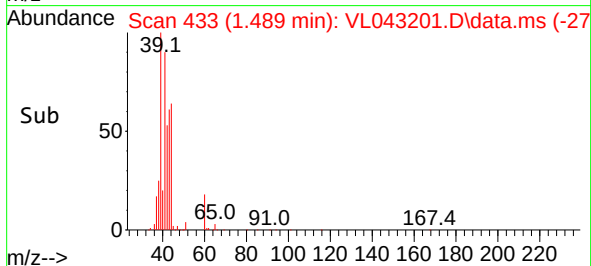
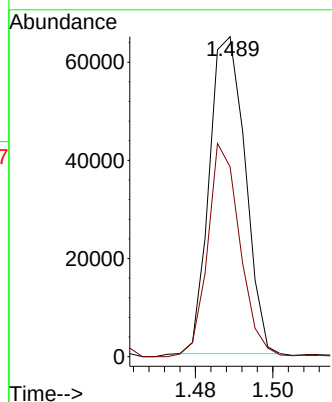
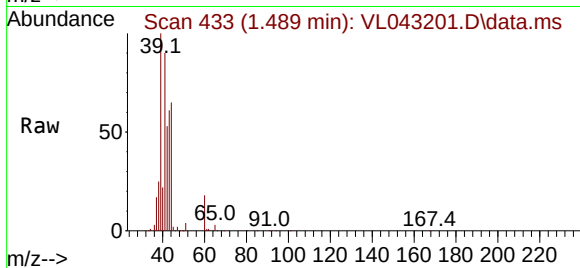
UNIT-7-SS-1

Tgt Ion: 41 Resp: 41551

Ion Ratio Lower Upper

41 100

42 62.5 55.1 82.7



#10

Heptane

Concen: 0.355 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.006 min

Lab File: VL043201.D

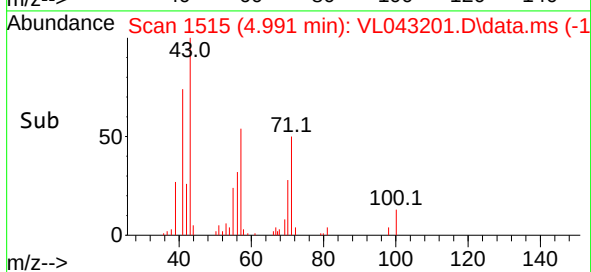
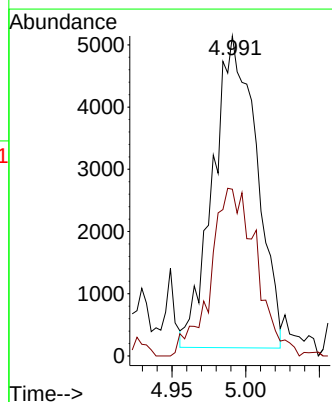
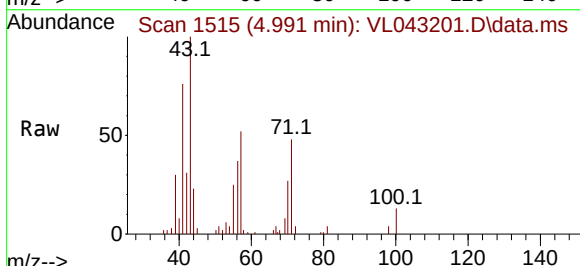
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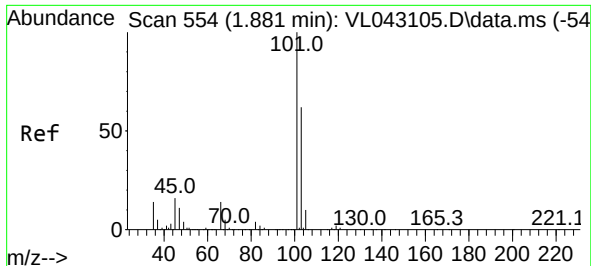
Tgt Ion: 43 Resp: 10313

Ion Ratio Lower Upper

43 100

57 56.5 40.8 61.2

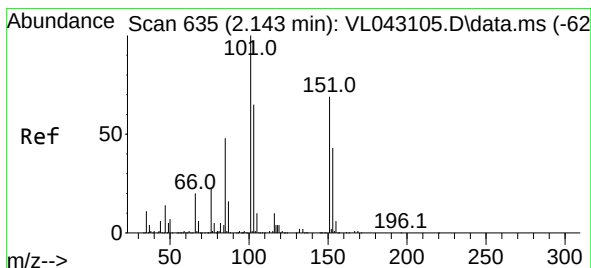
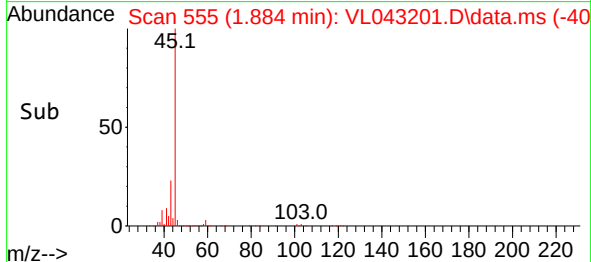
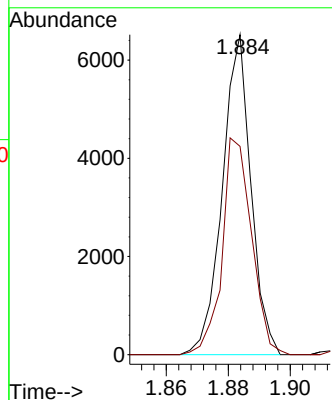
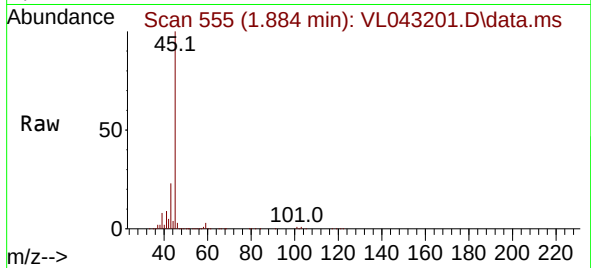




#11
Trichlorofluoromethane
Concen: 0.203 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

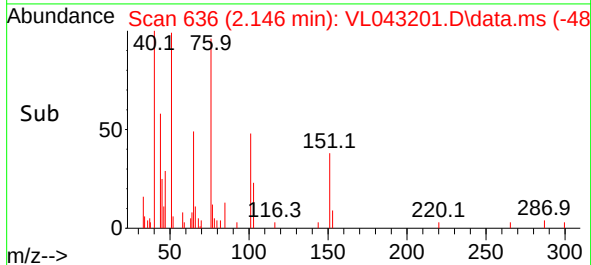
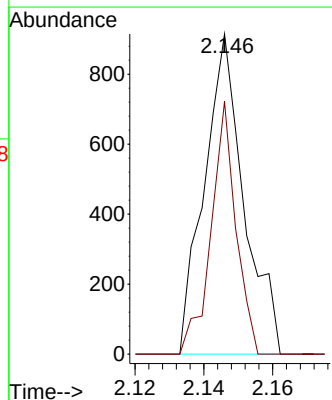
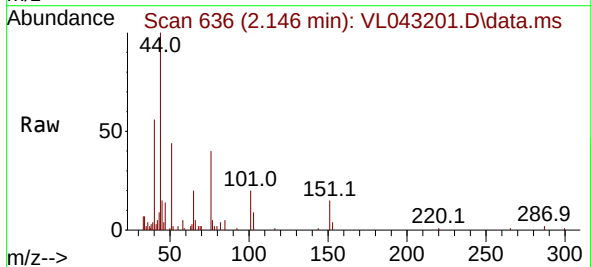
Instrument :
MSVOA_1
ClientSampleId :
UNIT-7-SS-1

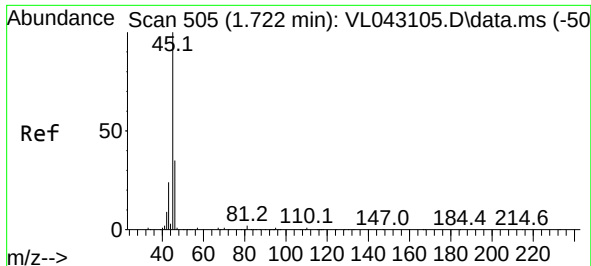
Tgt Ion:101 Resp: 4177
Ion Ratio Lower Upper
101 100
103 65.1 49.3 73.9



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.044 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion:101 Resp: 730
Ion Ratio Lower Upper
101 100
151 49.6 54.7 82.1#

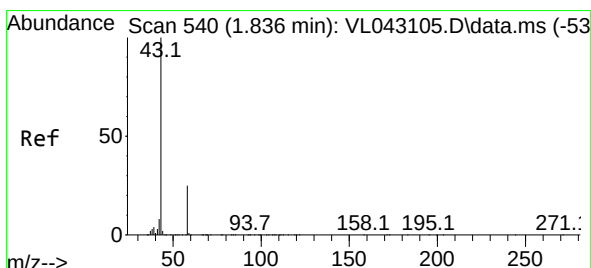
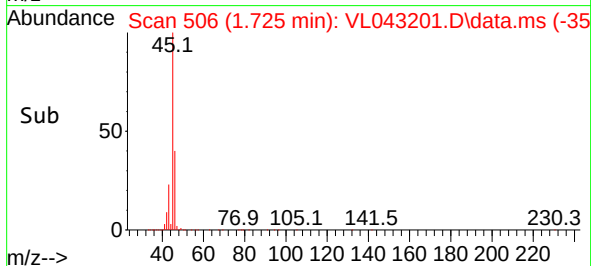
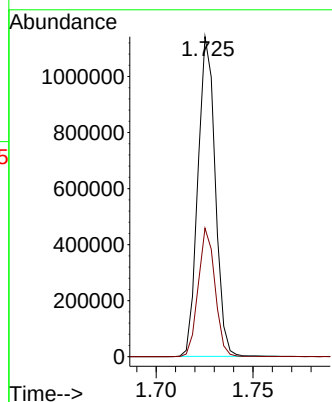
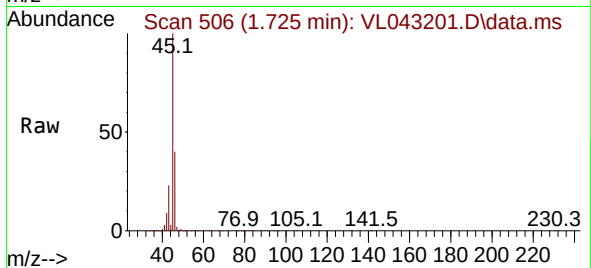




#13
 Ethanol
 Concen: 190.837 ppbv
 RT: 1.725 min Scan# 505
 Delta R.T. 0.003 min
 Lab File: VL043201.D
 Acq: 13 Nov 2025 15:58

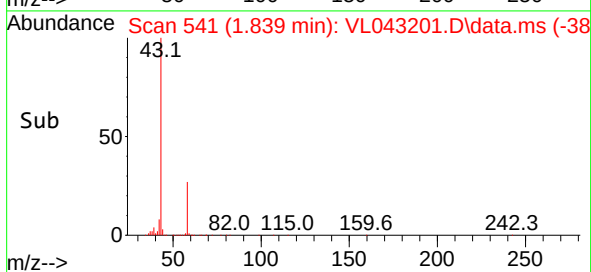
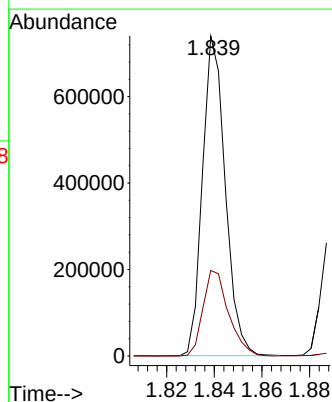
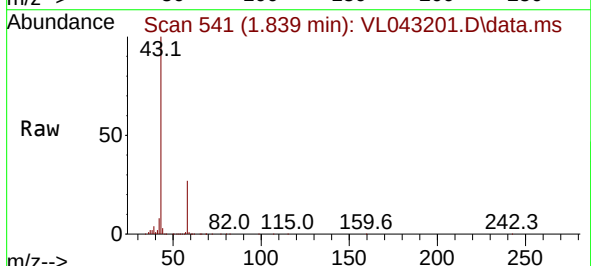
Instrument :
 MSVOA_L
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 UNIT-7-SS-1

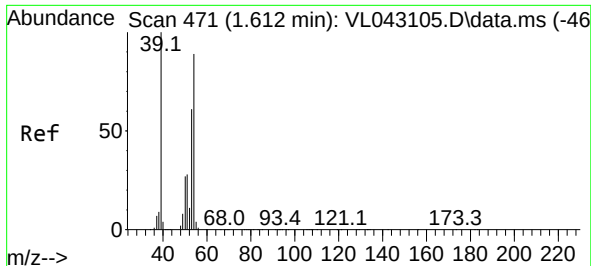
Tgt Ion: 45 Resp: 711495
 Ion Ratio Lower Upper
 45 100
 46 39.2 14.7 58.9



#15
 Acetone
 Concen: 24.702 ppbv
 RT: 1.839 min Scan# 541
 Delta R.T. 0.003 min
 Lab File: VL043201.D
 Acq: 13 Nov 2025 15:58

Tgt Ion: 43 Resp: 491909
 Ion Ratio Lower Upper
 43 100
 58 30.0 20.8 31.2

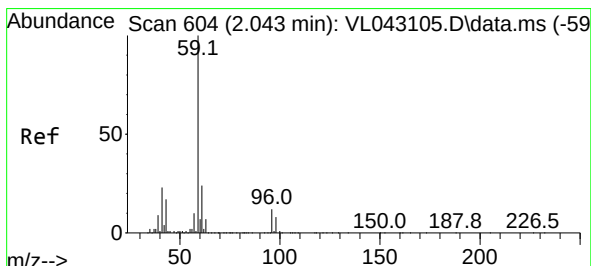
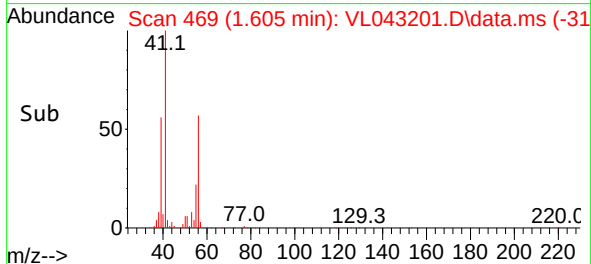
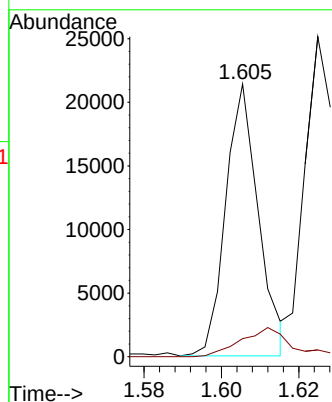
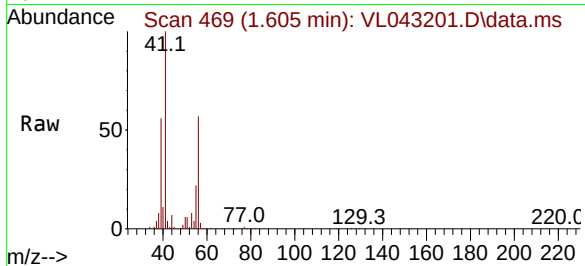




#16
1,3-Butadiene
Concen: 1.323 ppbv
RT: 1.605 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

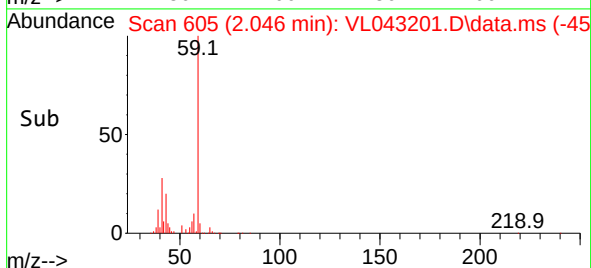
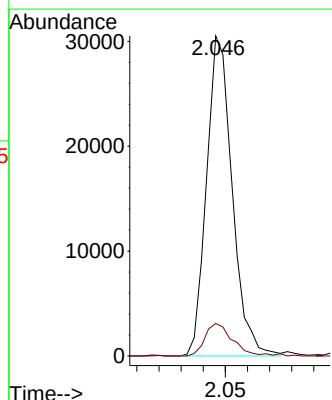
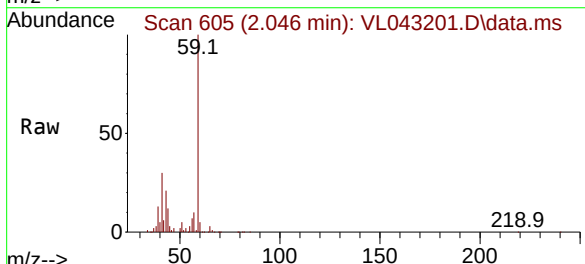
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-SS-1

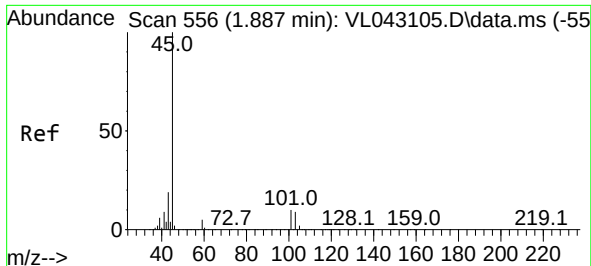
Tgt Ion: 39 Resp: 12554
Ion Ratio Lower Upper
39 100
54 16.4 59.0 88.4#



#17
tert-Butyl alcohol
Concen: 0.899 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 59 Resp: 24573
Ion Ratio Lower Upper
59 100
57 11.1 8.2 12.4

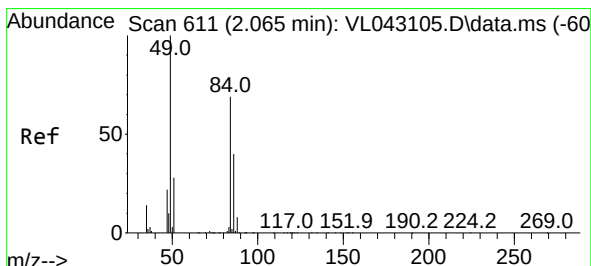
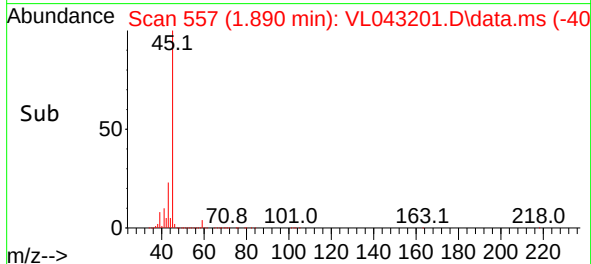
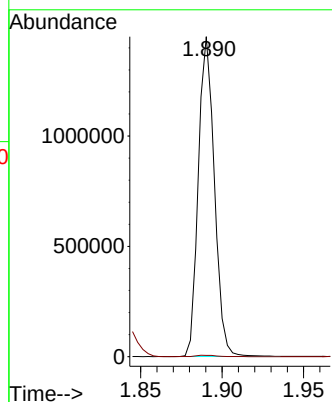
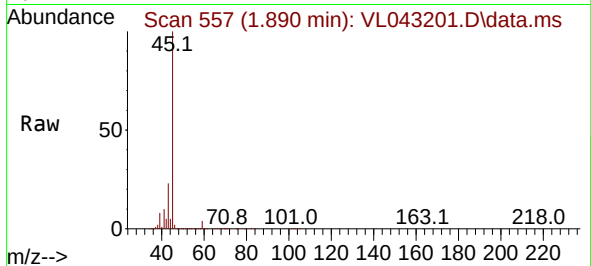




#19
Isopropyl Alcohol
Concen: 80.062 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

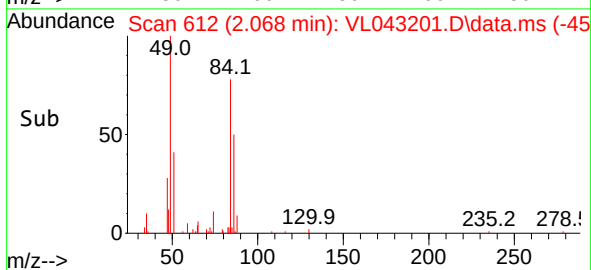
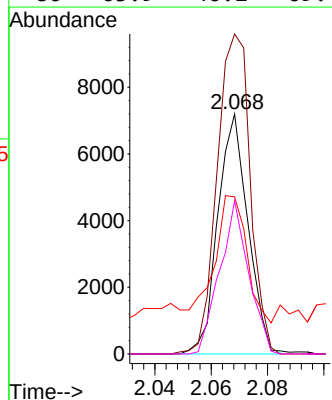
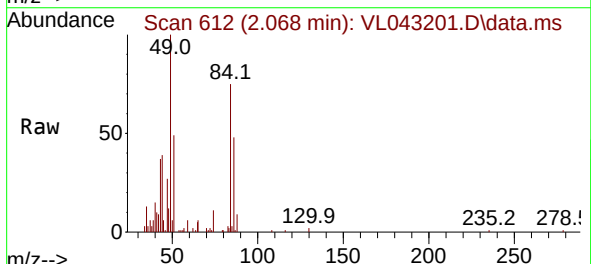
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-SS-1

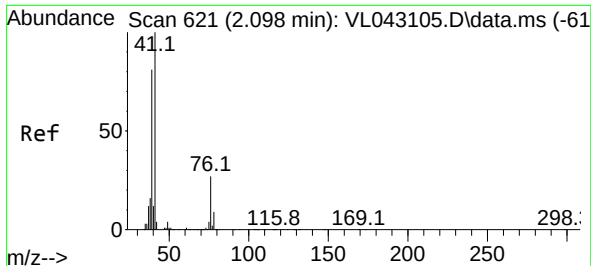
Tgt Ion: 45 Resp: 993000
Ion Ratio Lower Upper
45 100
58 0.6 31.3 46.9#



#20
Methylene Chloride
Concen: 0.679 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 84 Resp: 5343
Ion Ratio Lower Upper
84 100
49 133.4 116.6 175.0
51 47.1 34.8 52.2
86 63.9 46.2 69.4

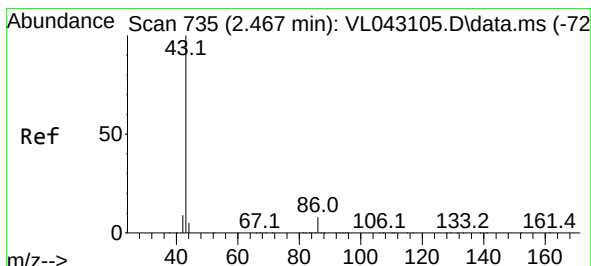
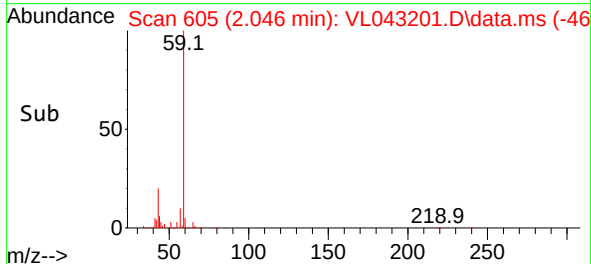
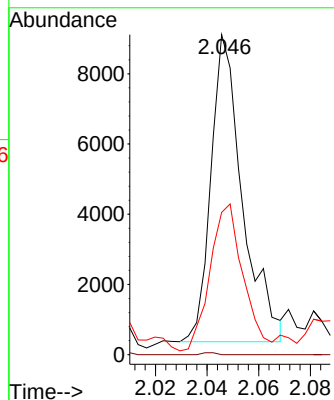
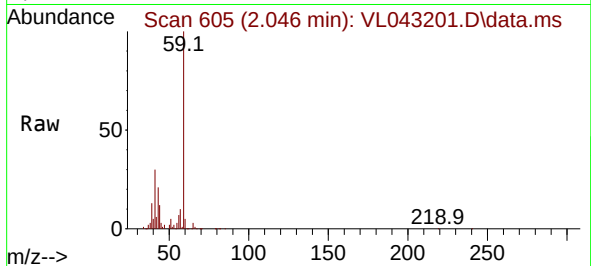




#21
 Allyl Chloride
 Concen: 0.505 ppbv
 RT: 2.046 min Scan# 605
 Delta R.T. -0.052 min
 Lab File: VL043201.D
 Acq: 13 Nov 2025 15:58

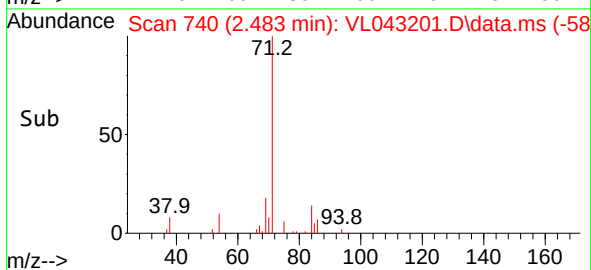
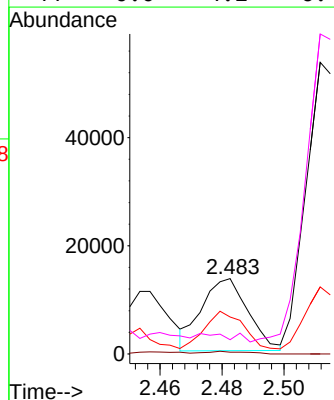
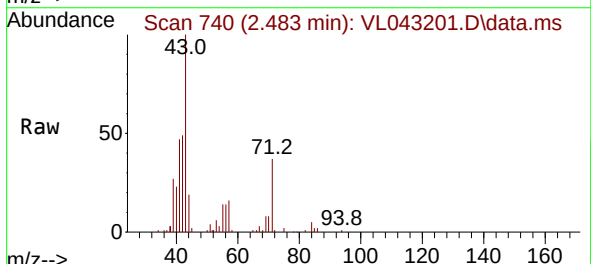
Instrument :
 MSVOA_1
 ClientSampleId :
 UNIT-7-SS-1

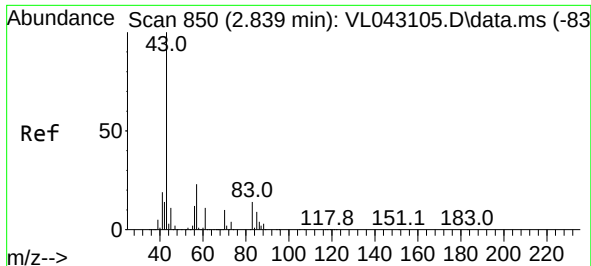
Tgt Ion: 41 Resp: 7415
 Ion Ratio Lower Upper
 41 100
 76 0.0 21.5 32.3#
 39 51.1 60.8 91.2#



#23
 Vinyl Acetate
 Concen: 0.476 ppbv
 RT: 2.483 min Scan# 740
 Delta R.T. 0.016 min
 Lab File: VL043201.D
 Acq: 13 Nov 2025 15:58

Tgt Ion: 43 Resp: 13886
 Ion Ratio Lower Upper
 43 100
 86 2.7 6.2 9.2#
 42 47.8 7.6 11.4#
 44 0.0 4.2 6.4#

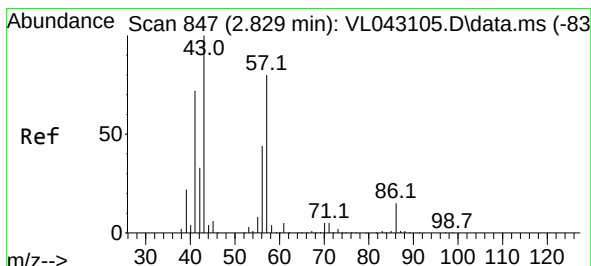
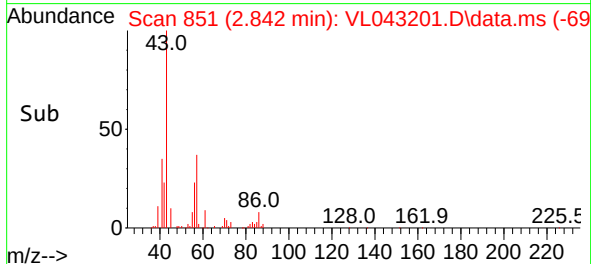
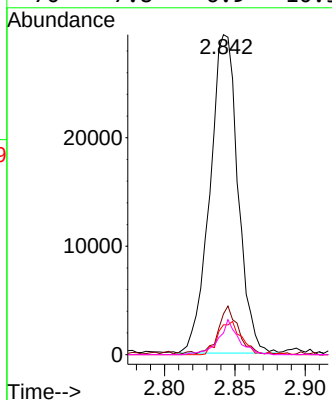
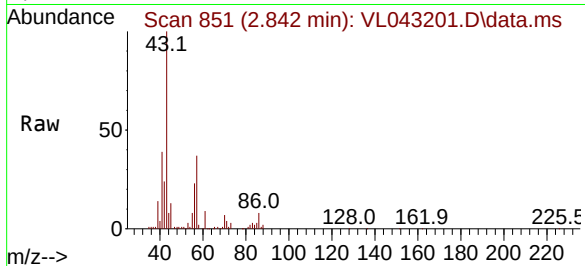




#25
Ethyl Acetate
Concen: 0.824 ppbv
RT: 2.842 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

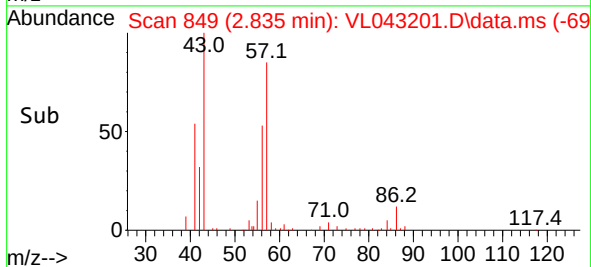
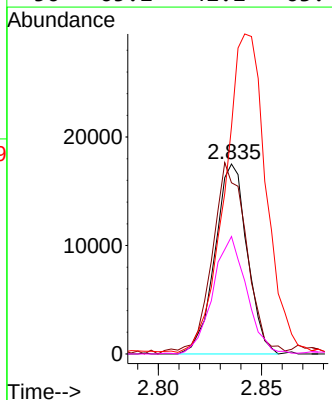
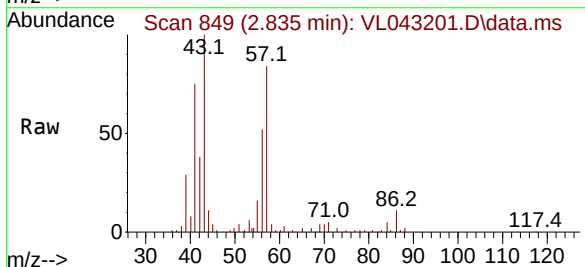
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-SS-1

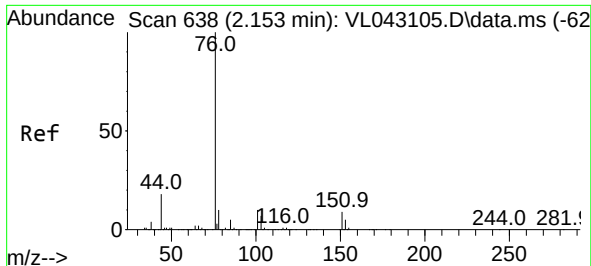
Tgt Ion: 43	Resp: 40715
Ion Ratio	Lower Upper
43	100
45	12.0 7.8 11.8#
61	8.8 7.0 10.6
70	7.8 6.9 10.3



#26
Hexane
Concen: 0.833 ppbv
RT: 2.835 min Scan# 849
Delta R.T. 0.006 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 57	Resp: 18948
Ion Ratio	Lower Upper
57	100
41	108.4 71.4 107.0#
43	218.2 178.5 267.7
56	65.2 42.2 63.4#

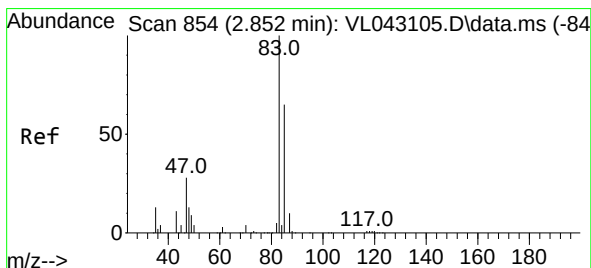
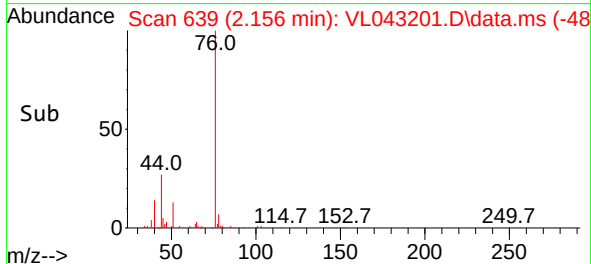
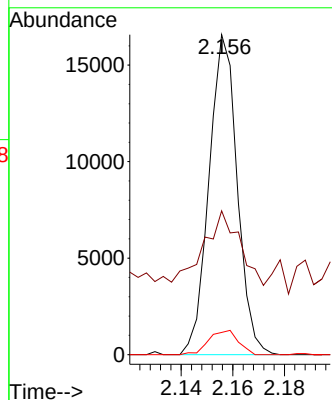
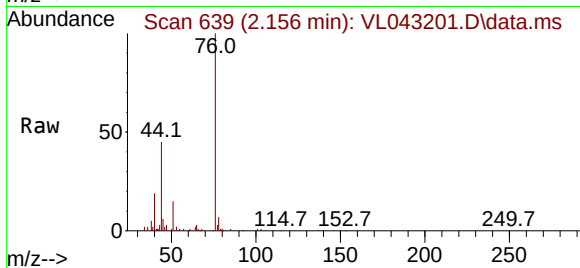




#27
Carbon Disulfide
Concen: 0.604 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

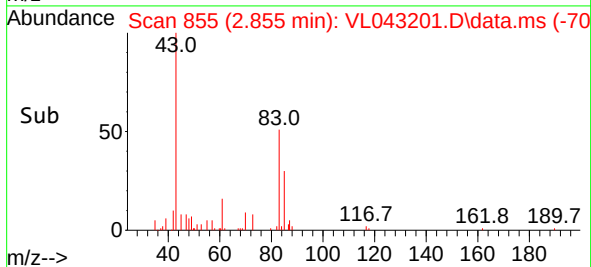
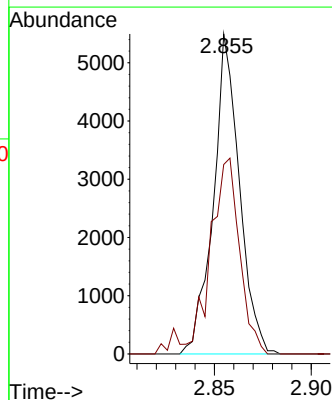
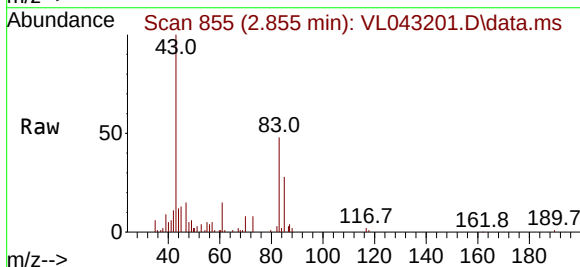
Instrument :
MSVOA_1
ClientSampleId :
UNIT-7-SS-1

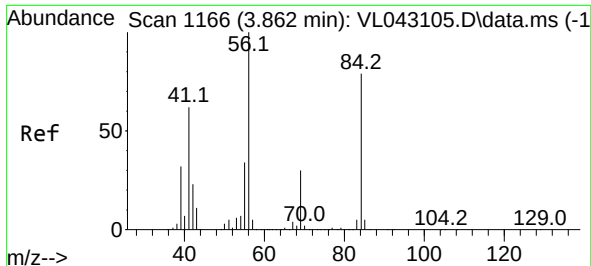
Tgt Ion: 76 Resp: 12592
Ion Ratio Lower Upper
76 100
44 49.6 16.7 25.1#
78 7.9 9.3 13.9#



#29
Chloroform
Concen: 0.156 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 83 Resp: 5153
Ion Ratio Lower Upper
83 100
85 59.2 51.8 77.6

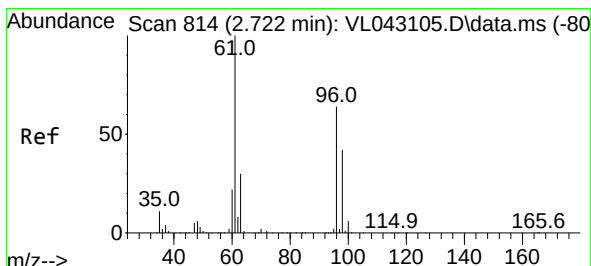
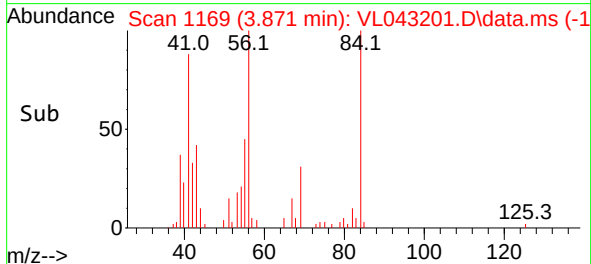
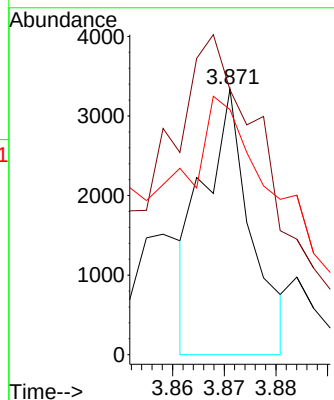
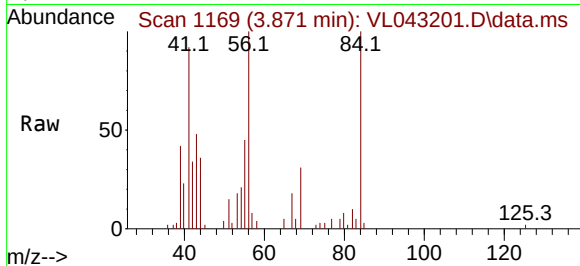




#30
Cyclohexane
Concen: 0.107 ppbv
RT: 3.871 min Scan# 1169
Delta R.T. 0.009 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

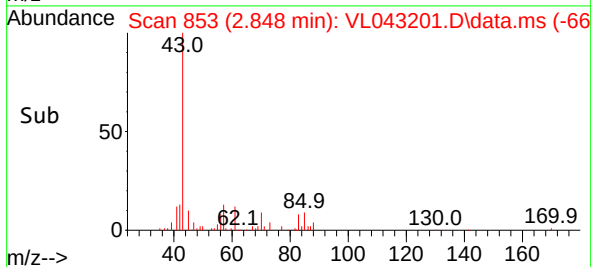
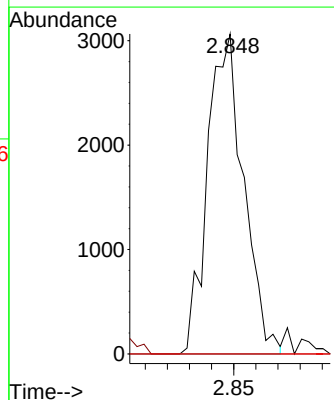
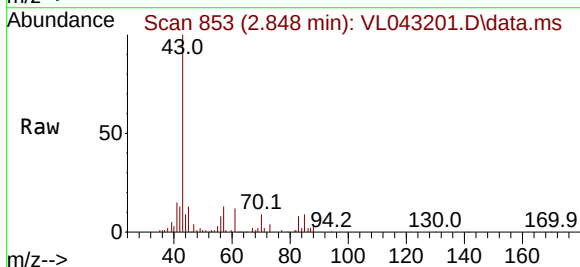
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-SS-1

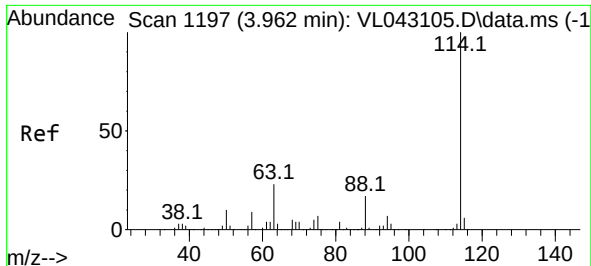
Tgt Ion: 84 Resp: 2131
Ion Ratio Lower Upper
84 100
56 0.0 100.9 151.3#
41 0.0 63.8 95.6#



#31
cis-1,2-Dichloroethene
Concen: 0.160 ppbv
RT: 2.848 min Scan# 853
Delta R.T. 0.126 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 61 Resp: 3477
Ion Ratio Lower Upper
61 100
96 0.0 51.0 76.6#
98 0.0 33.5 50.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.006 min

Lab File: VL043201.D

Acq: 13 Nov 2025 15:58

Instrument :

MSVOA_L

ClientSampleId :

UNIT-7-SS-1

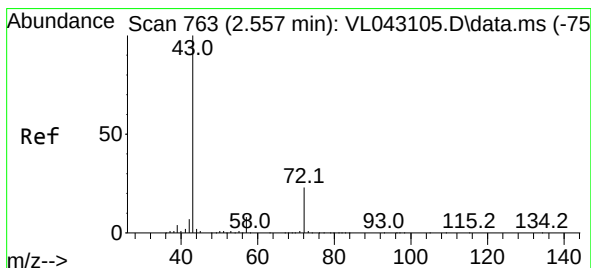
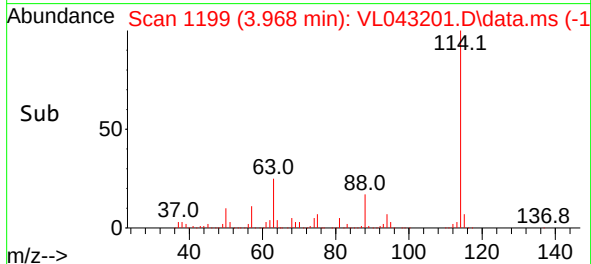
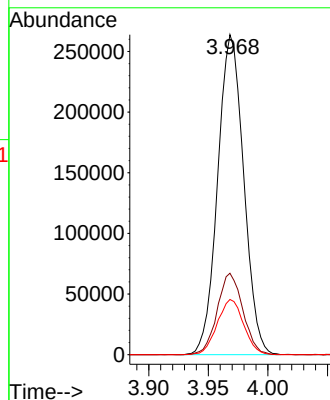
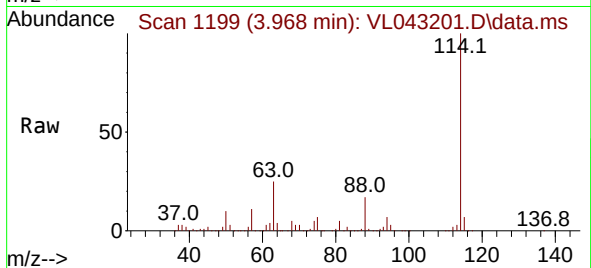
Tgt Ion:114 Resp: 400343

Ion Ratio Lower Upper

114 100

63 25.1 19.3 28.9

88 17.5 13.9 20.9



#34

2-Butanone

Concen: 7.438 ppbv

RT: 2.563 min Scan# 765

Delta R.T. 0.006 min

Lab File: VL043201.D

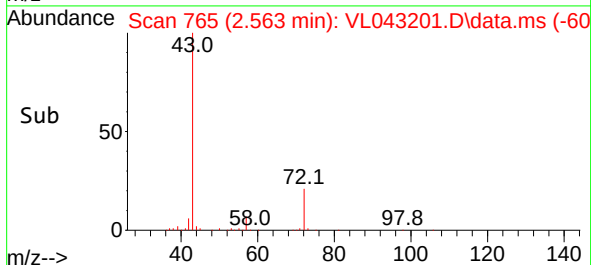
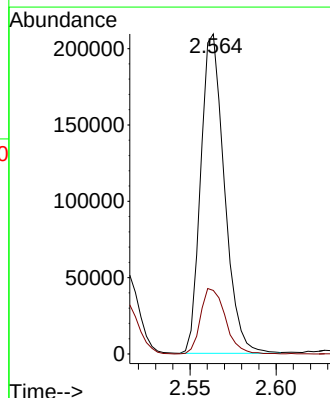
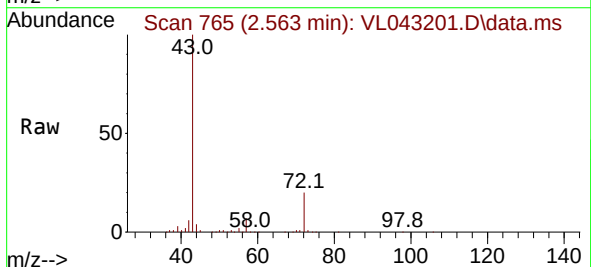
Acq: 13 Nov 2025 15:58

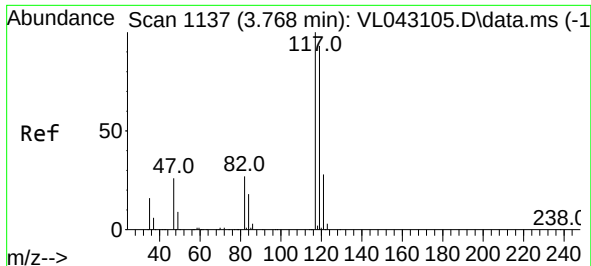
Tgt Ion: 43 Resp: 200156

Ion Ratio Lower Upper

43 100

72 21.5 18.4 27.6

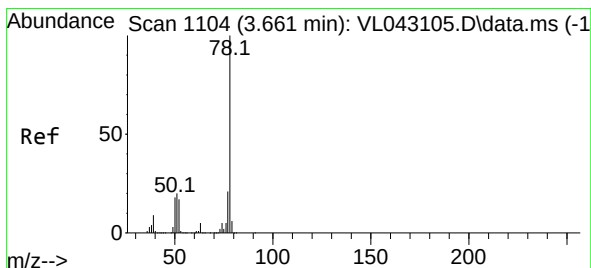
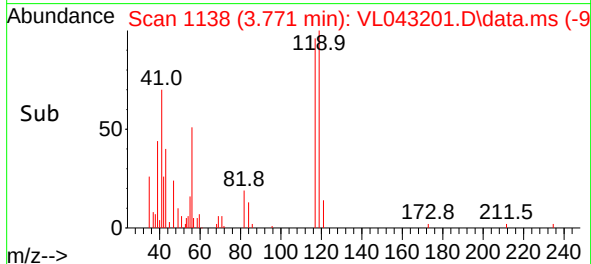
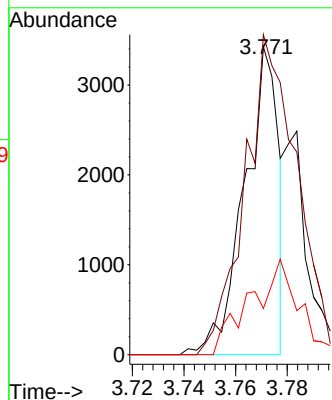
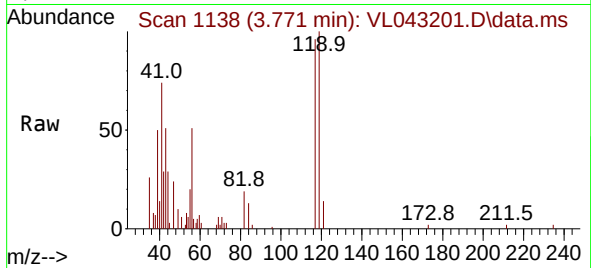




#35
Carbon Tetrachloride
Concen: 0.109 ppbv
RT: 3.771 min Scan# 1137
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

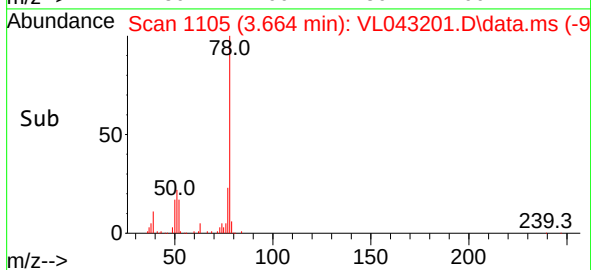
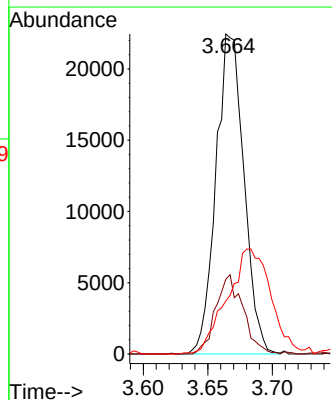
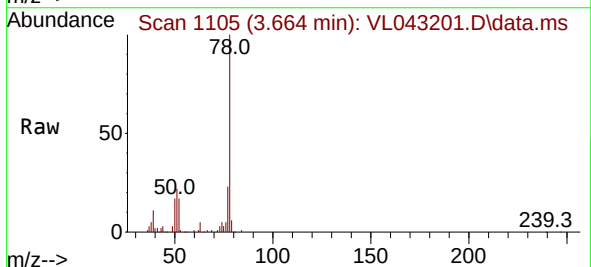
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-SS-1

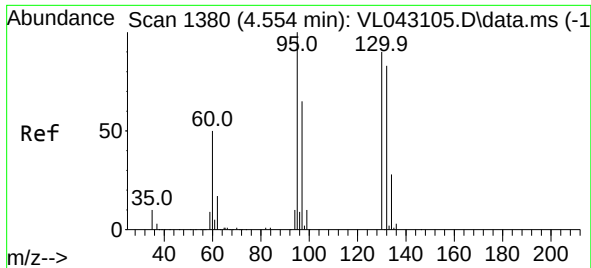
Tgt Ion:117 Resp: 3124
Ion Ratio Lower Upper
117 100
119 103.9 74.1 111.1
121 15.0 22.2 33.2#



#36
Benzene
Concen: 0.898 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 78 Resp: 33860
Ion Ratio Lower Upper
78 100
77 23.3 17.0 25.6
50 16.6 14.6 22.0

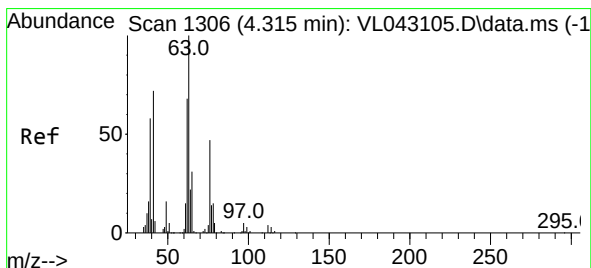
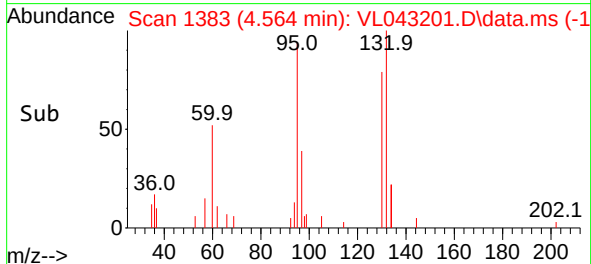
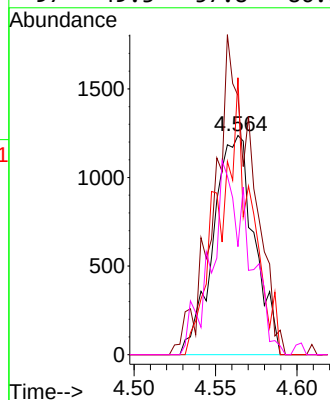
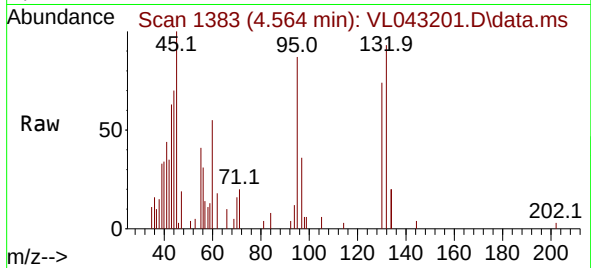




#38
 Trichloroethene
 Concen: 0.137 ppbv
 RT: 4.564 min Scan# 1199
 Delta R.T. 0.009 min
 Lab File: VL043201.D
 Acq: 13 Nov 2025 15:58

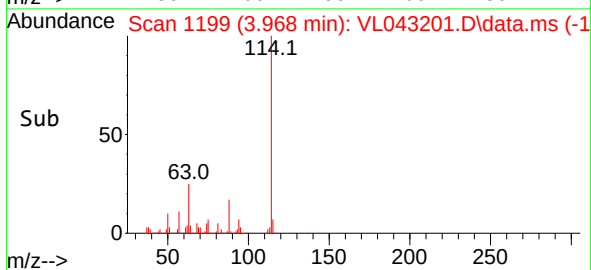
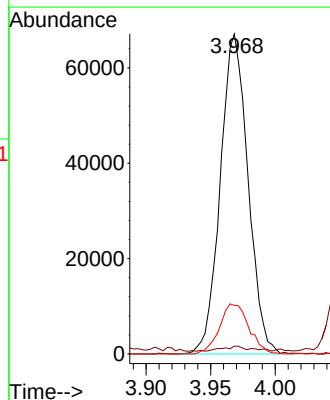
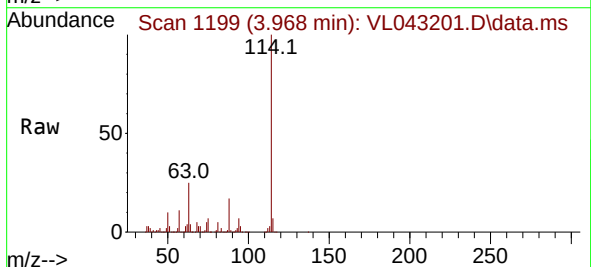
Instrument :
 MSVOA_1
 ClientSampleId :
 UNIT-7-SS-1

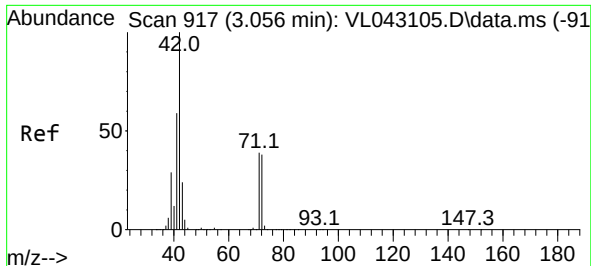
Tgt Ion:	130	Resp:	2156
Ion	Ratio	Lower	Upper
130	100		
95	113.5	88.6	133.0
132	126.4	73.4	110.0#
97	49.3	57.8	86.6#



#39
 1,2-Dichloropropane
 Concen: 7.264 ppbv
 RT: 3.968 min Scan# 1199
 Delta R.T. -0.347 min
 Lab File: VL043201.D
 Acq: 13 Nov 2025 15:58

Tgt Ion:	63	Resp:	100133
Ion	Ratio	Lower	Upper
63	100		
41	1.0	58.0	87.0#
62	15.2	54.7	82.1#

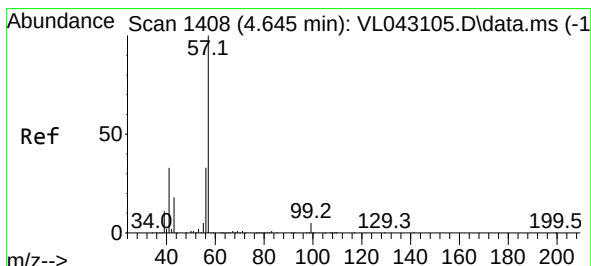
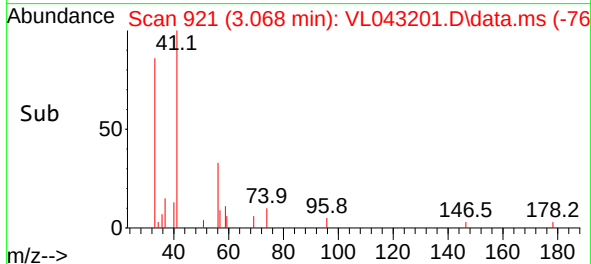
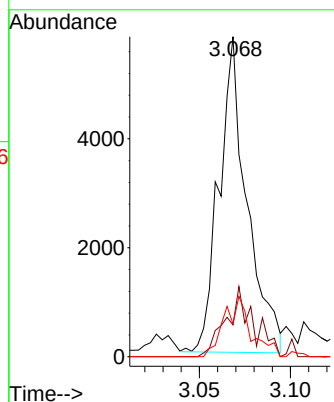
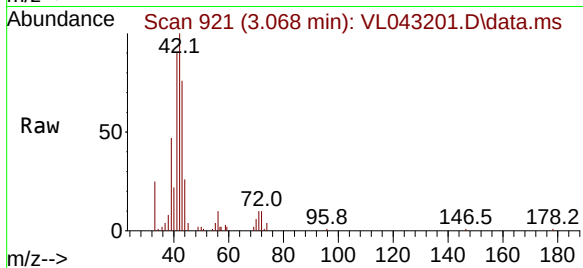




#41
Tetrahydrofuran
Concen: 0.410 ppbv
RT: 3.068 min Scan# 917
Delta R.T. 0.013 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

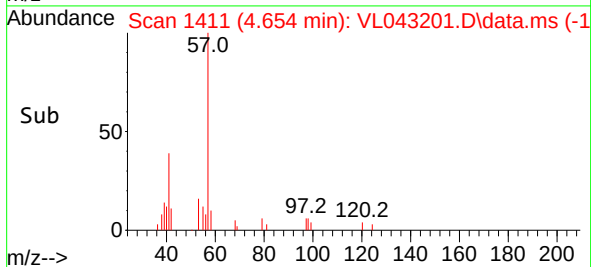
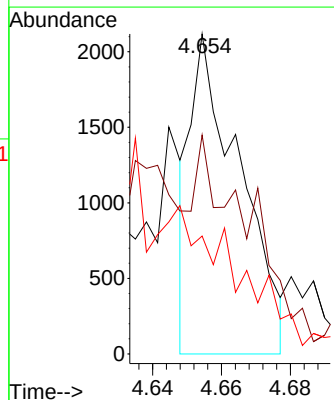
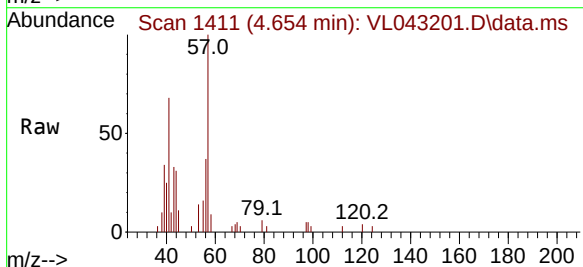
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-SS-1

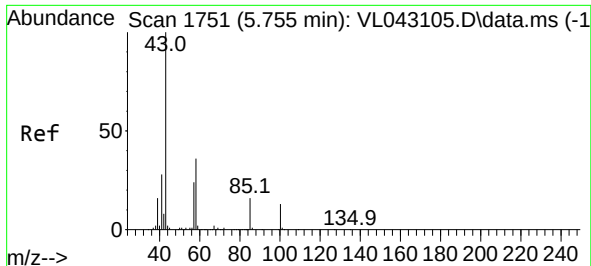
Tgt Ion: 42 Resp: 6164
Ion Ratio Lower Upper
42 100
72 23.1 31.3 46.9#
71 18.9 30.4 45.6#



#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 4.654 min Scan# 1411
Delta R.T. 0.009 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 57 Resp: 2115
Ion Ratio Lower Upper
57 100
41 207.2 26.3 39.5#
56 0.0 25.9 38.9#





#50

4-Methyl-2-Pentanone

Concen: 5.303 ppbv

RT: 5.761 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL043201.D

Acq: 13 Nov 2025 15:58

Instrument :

MSVOA_1

ClientSampleId :

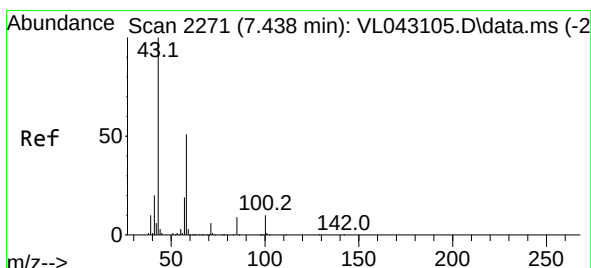
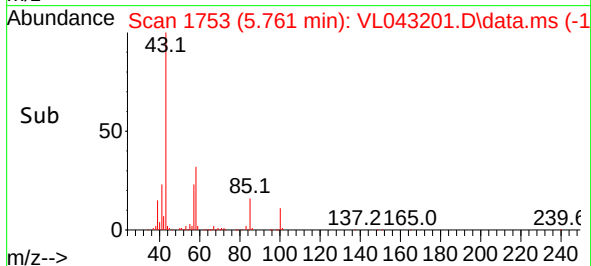
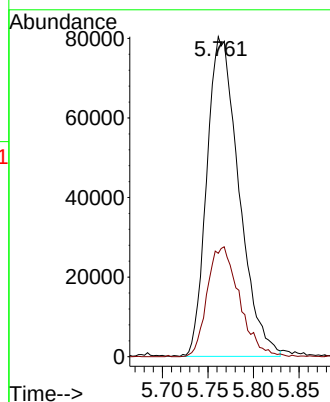
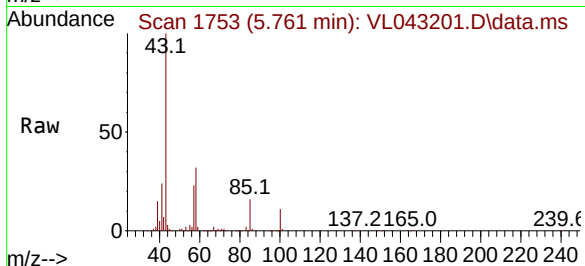
UNIT-7-SS-1

Tgt Ion: 43 Resp: 196948

Ion Ratio Lower Upper

43 100

58 34.6 29.1 43.7



#51

2-Hexanone

Concen: 1.312 ppbv

RT: 7.448 min Scan# 2274

Delta R.T. 0.009 min

Lab File: VL043201.D

Acq: 13 Nov 2025 15:58

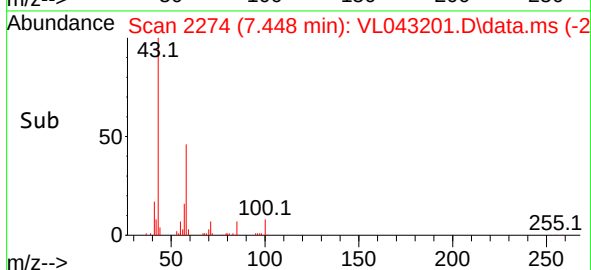
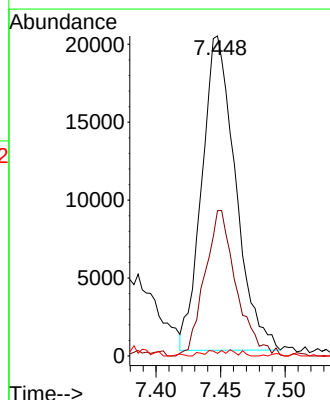
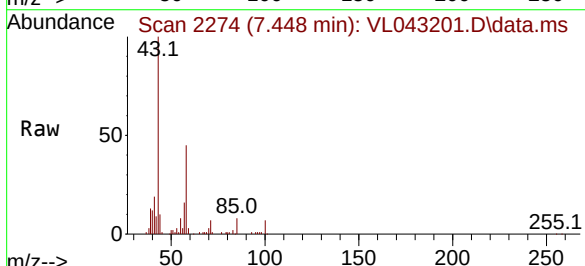
Tgt Ion: 43 Resp: 36538

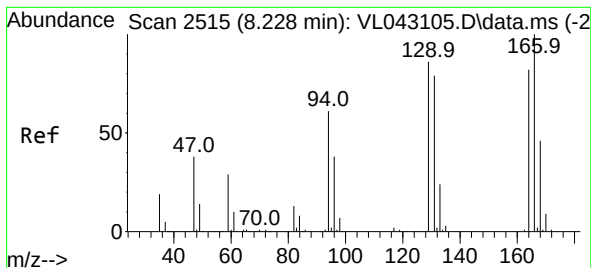
Ion Ratio Lower Upper

43 100

58 43.7 40.4 60.6

98 1.7 0.1 0.1#





#52

Tetrachloroethene

Concen: 5.213 ppbv

RT: 8.237 min Scan# 2118

Delta R.T. 0.009 min

Lab File: VL043201.D

Acq: 13 Nov 2025 15:58

Instrument :

MSVOA_L

ClientSampleId :

UNIT-7-SS-1

Tgt Ion:164 Resp: 70881

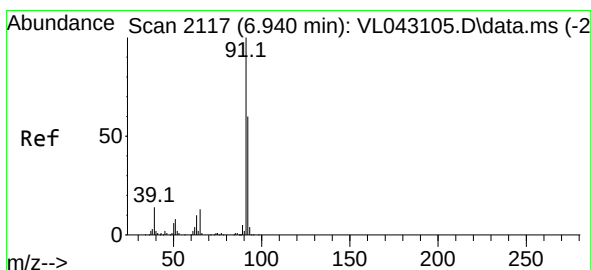
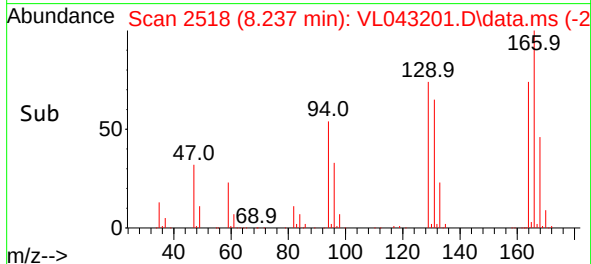
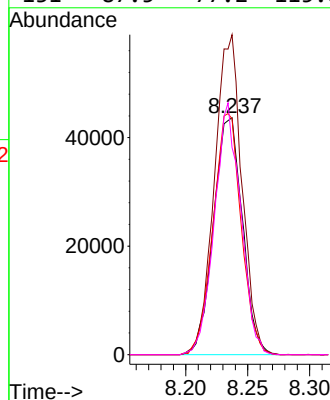
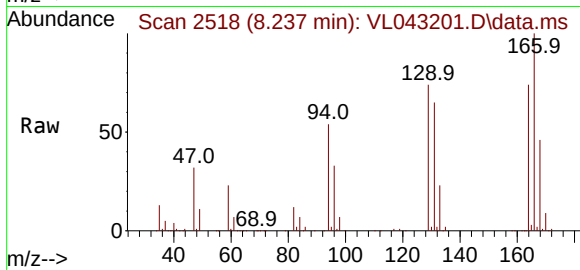
Ion Ratio Lower Upper

164 100

166 135.1 97.6 146.4

129 99.6 84.5 126.7

131 87.5 77.2 115.8



#53

Toluene

Concen: 0.714 ppbv

RT: 6.949 min Scan# 2120

Delta R.T. 0.009 min

Lab File: VL043201.D

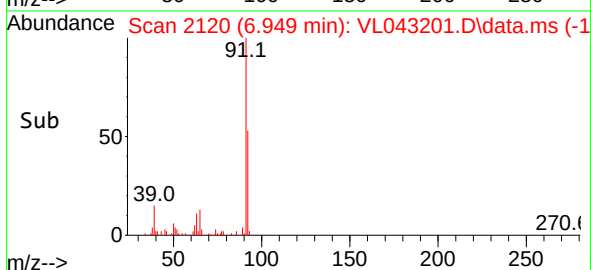
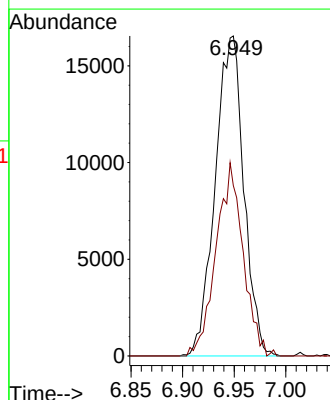
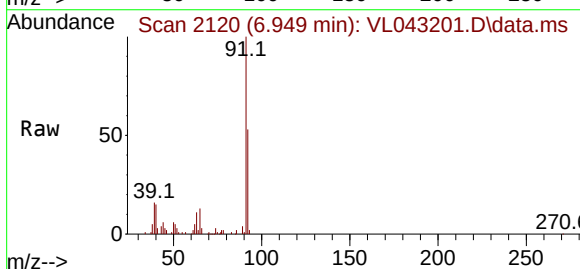
Acq: 13 Nov 2025 15:58

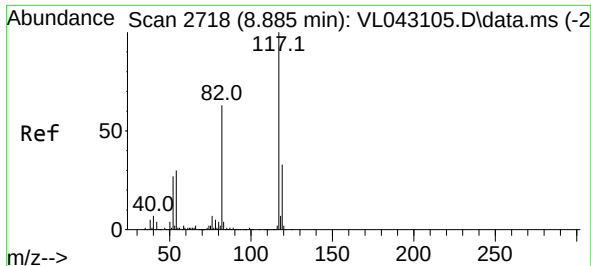
Tgt Ion: 91 Resp: 31937

Ion Ratio Lower Upper

91 100

92 56.9 48.8 73.2

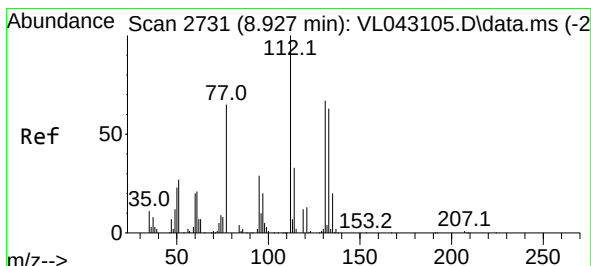
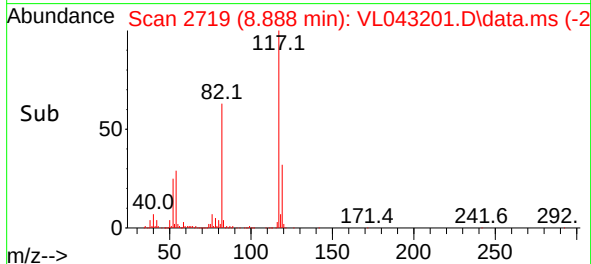
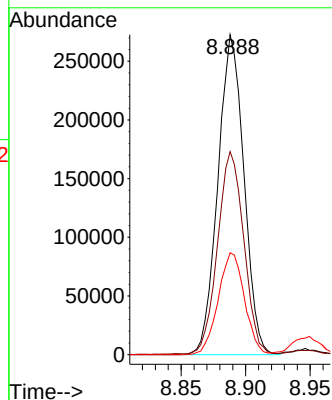
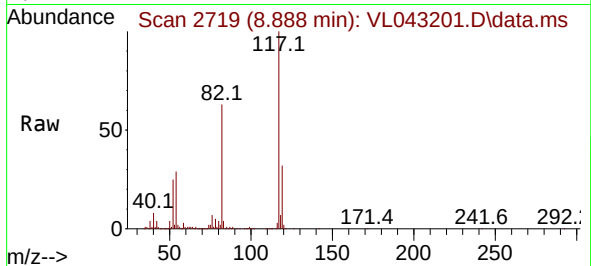




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

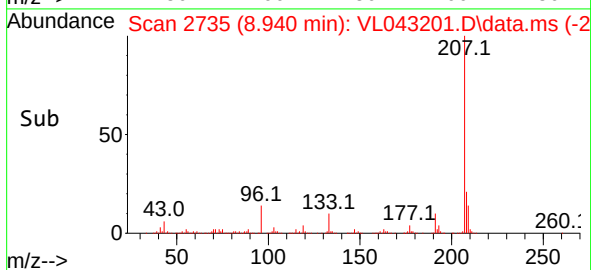
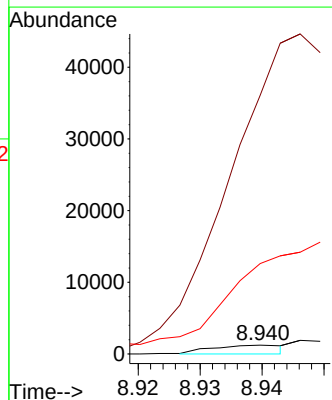
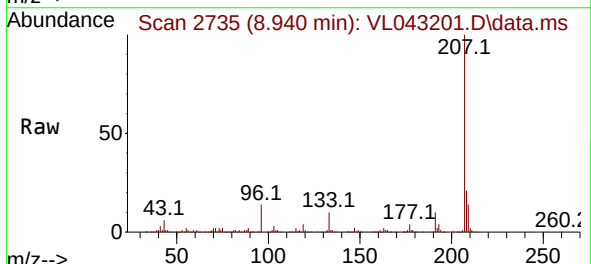
Instrument :
MSVOA_1
ClientSampleId :
UNIT-7-SS-1

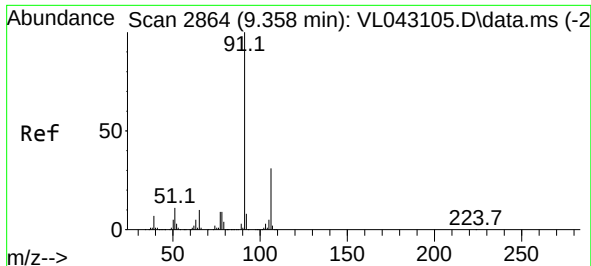
Tgt Ion:117 Resp: 381448
Ion Ratio Lower Upper
117 100
82 64.5 53.8 80.8
119 32.4 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.041 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.013 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion:131 Resp: 985
Ion Ratio Lower Upper
131 100
133 0.0 75.7 113.5#
119 0.0 50.6 76.0#

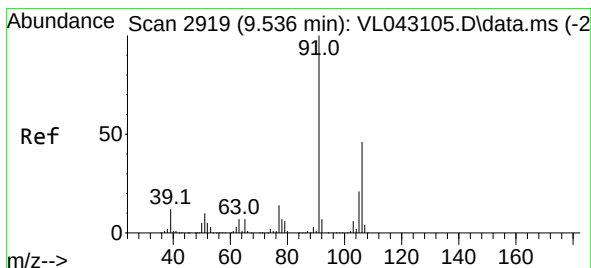
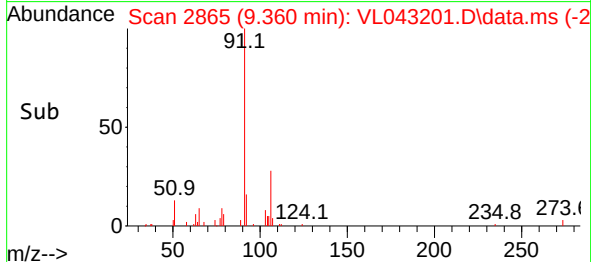
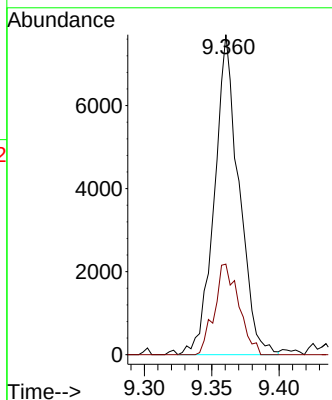
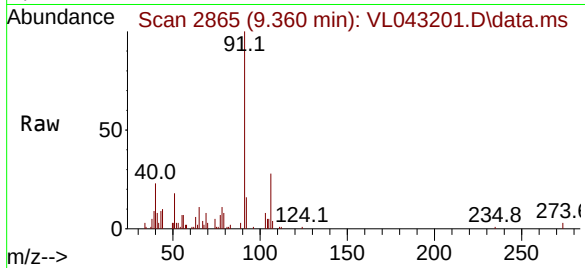




#58
Ethyl Benzene
Concen: 0.149 ppbv
RT: 9.360 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

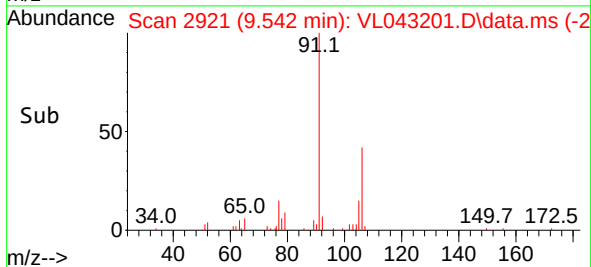
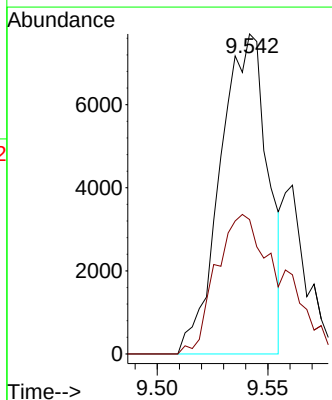
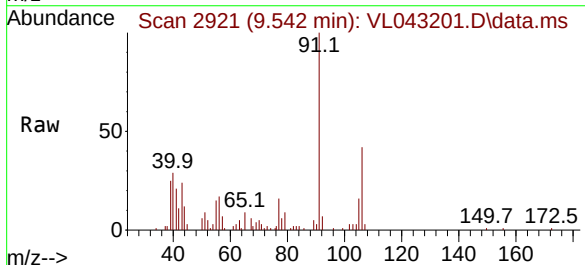
Instrument :
MSVOA_1
ClientSampleId :
UNIT-7-SS-1

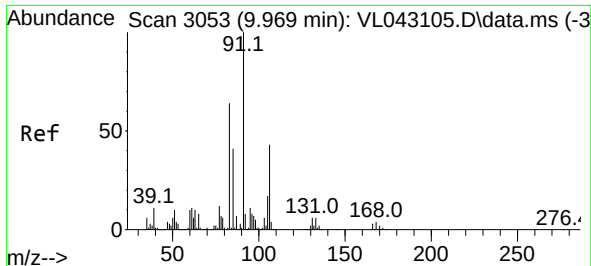
Tgt Ion: 91 Resp: 9783
Ion Ratio Lower Upper
91 100
106 28.3 24.8 37.2



#59
m/p-Xylene
Concen: 0.220 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. 0.006 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 91 Resp: 11480
Ion Ratio Lower Upper
91 100
106 60.5 38.0 57.0#

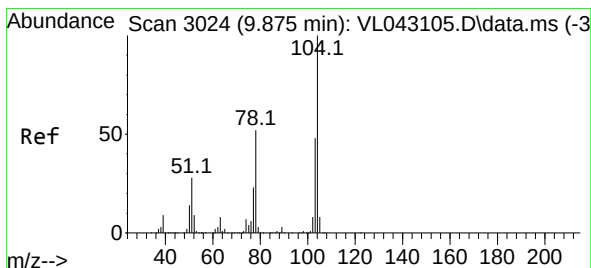
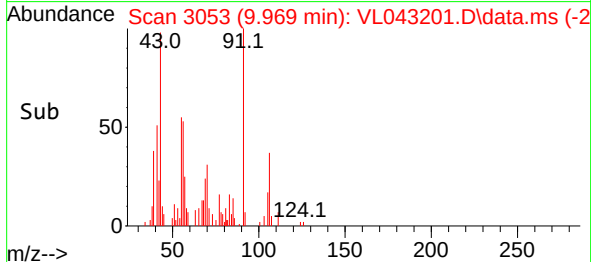
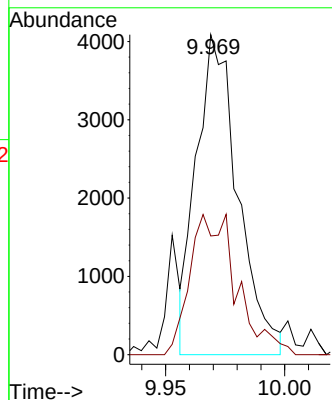
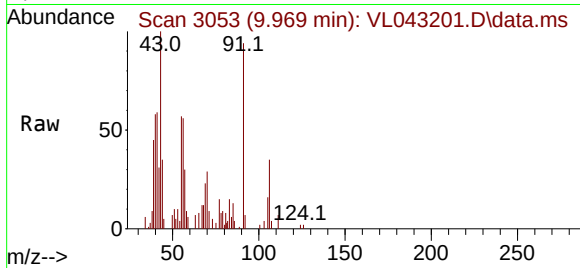




#60
o-Xylene
Concen: 0.096 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

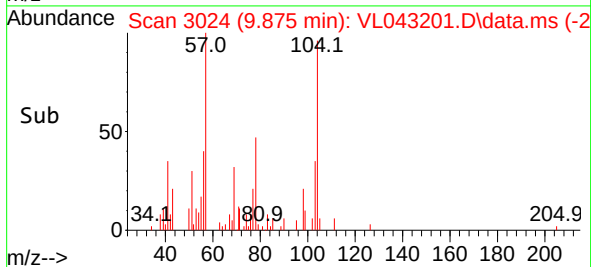
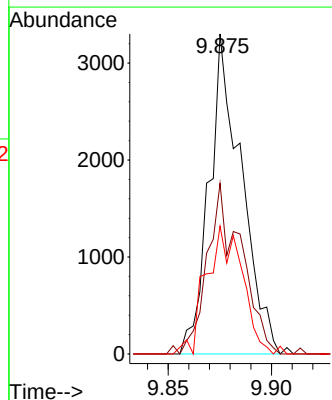
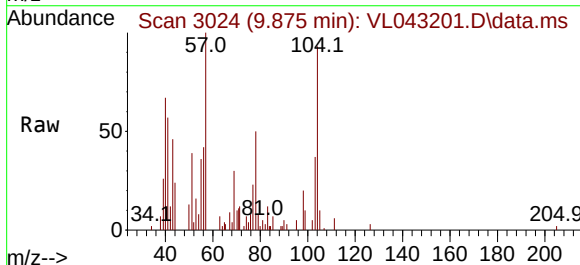
Instrument :
MSVOA_1
ClientSampleId :
UNIT-7-SS-1

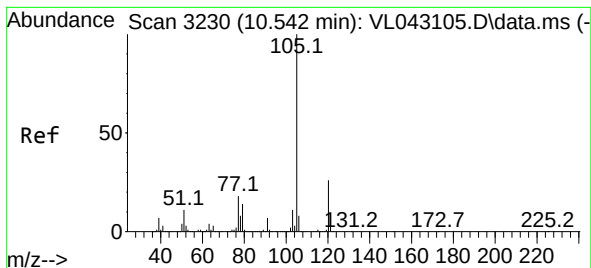
Tgt Ion: 91 Resp: 4953
Ion Ratio Lower Upper
91 100
106 49.1 21.9 65.8



#61
Styrene
Concen: 0.154 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 104 Resp: 3586
Ion Ratio Lower Upper
104 100
78 56.5 40.2 60.2
103 45.0 36.9 55.3





#62

Isopropylbenzene

Concen: 0.143 ppbv

RT: 10.545 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL043201.D

Acq: 13 Nov 2025 15:58

Instrument :

MSVOA_1

ClientSampleId :

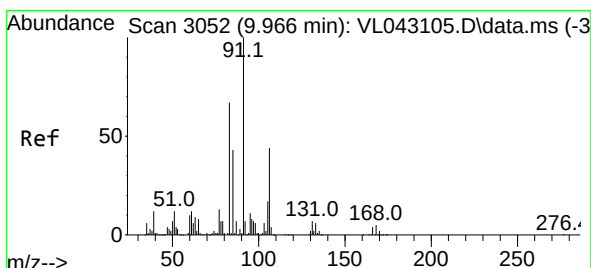
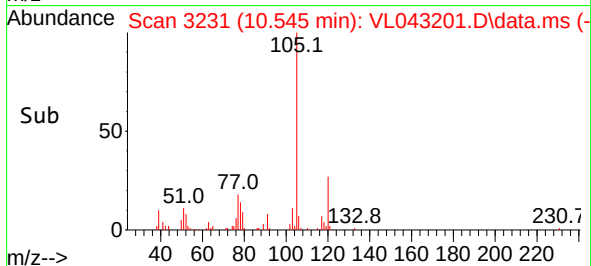
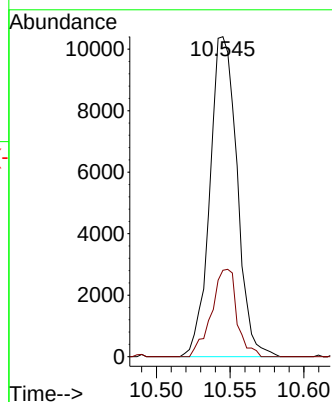
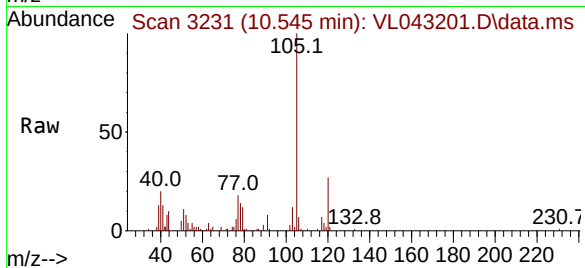
UNIT-7-SS-1

Tgt Ion:105 Resp: 13362

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.4



#63

1,1,2,2-Tetrachloroethane

Concen: 0.066 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. 0.019 min

Lab File: VL043201.D

Acq: 13 Nov 2025 15:58

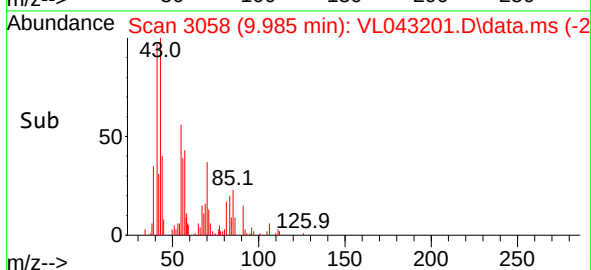
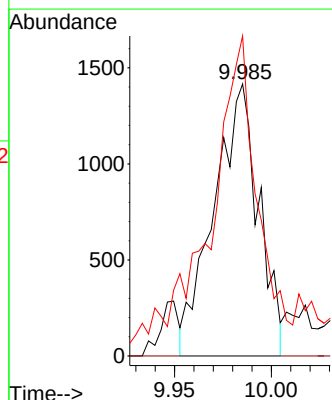
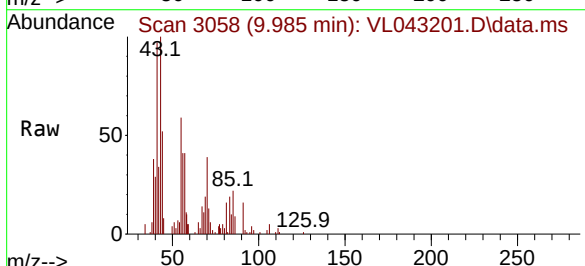
Tgt Ion: 83 Resp: 2282

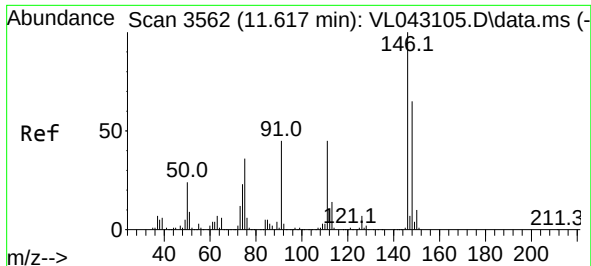
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 148.7 32.0 96.0#

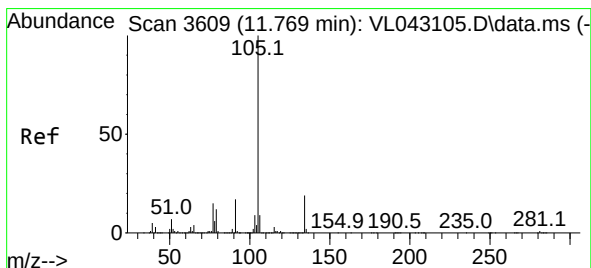
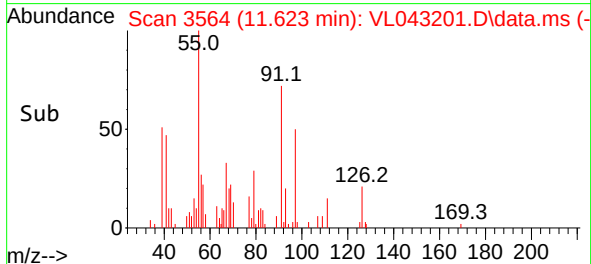
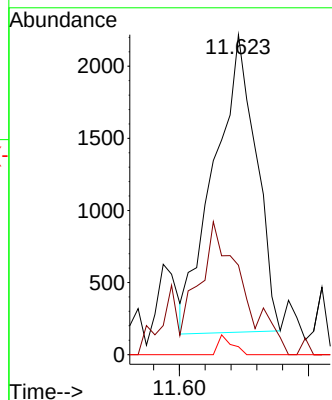
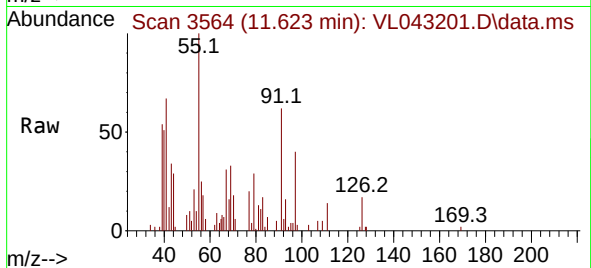




#66
Benzyl Chloride
Concen: 0.254 ppbv
RT: 11.623 min Scan# 311
Delta R.T. 0.006 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

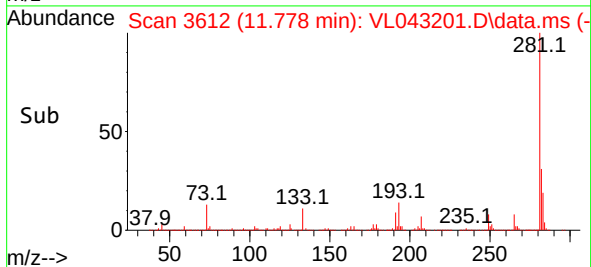
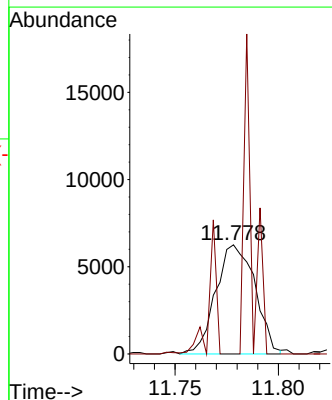
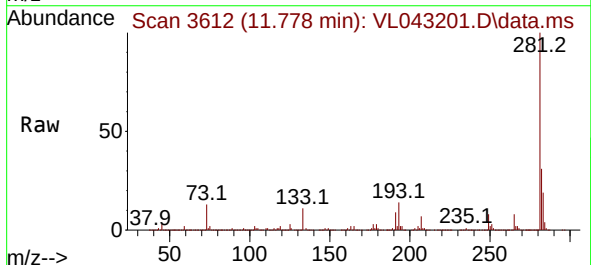
Instrument :
MSVOA_1
ClientSampleId :
UNIT-7-SS-1

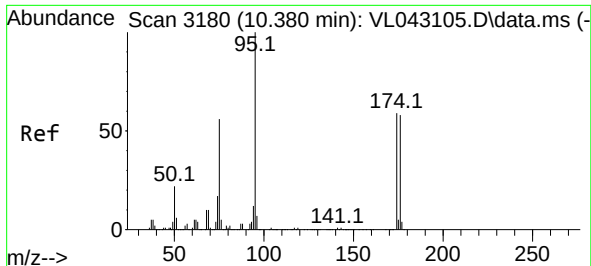
Tgt Ion: 91 Resp: 2323
Ion Ratio Lower Upper
91 100
126 57.2 14.6 22.0#
128 2.2 4.6 6.8#



#67
sec-Butylbenzene
Concen: 0.071 ppbv
RT: 11.778 min Scan# 3612
Delta R.T. 0.009 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 105 Resp: 8262
Ion Ratio Lower Upper
105 100
134 66.9 15.5 23.3#

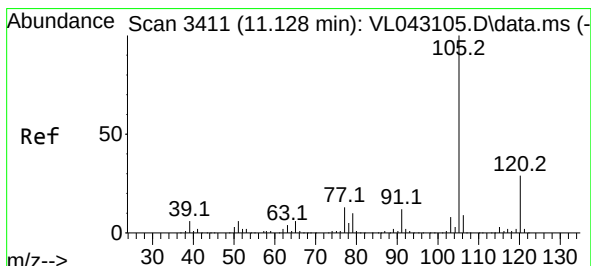
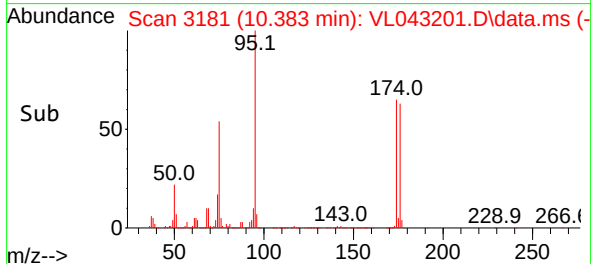
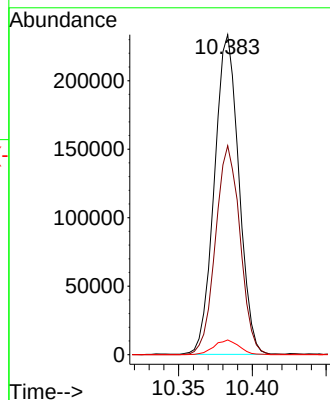
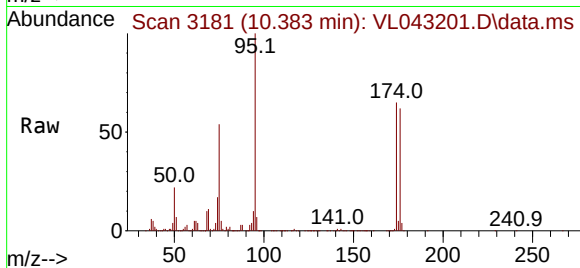




#68
1-Bromo-4-Fluorobenzene
Concen: 9.066 ppbv
RT: 10.383 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

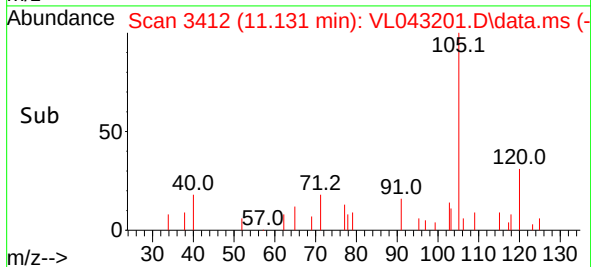
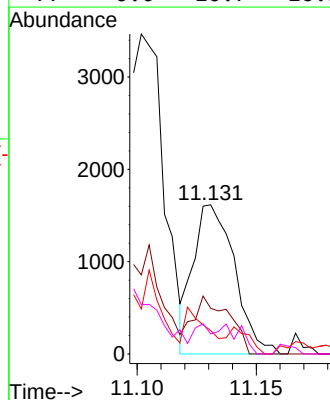
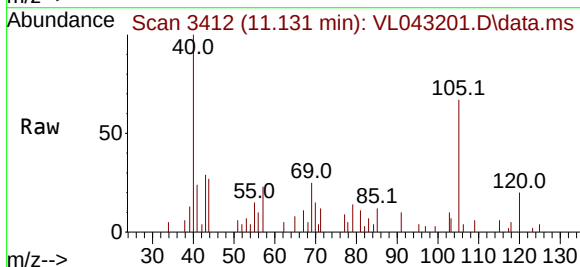
Instrument :
MSVOA_1
ClientSampleId :
UNIT-7-SS-1

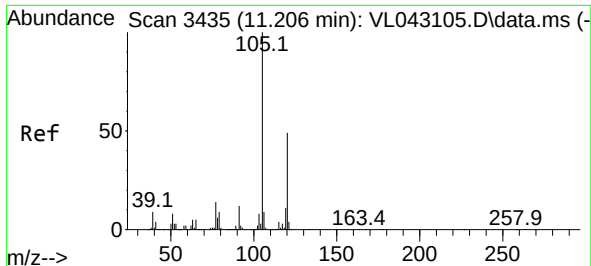
Tgt Ion: 95 Resp: 268804
Ion Ratio Lower Upper
95 100
174 66.1 48.3 72.5
175 4.8 3.8 5.8



#72
4-Ethyltoluene
Concen: 0.031 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion: 105 Resp: 1959
Ion Ratio Lower Upper
105 100
120 0.0 24.2 36.4#
91 0.0 10.0 15.0#
77 0.0 10.7 16.1#

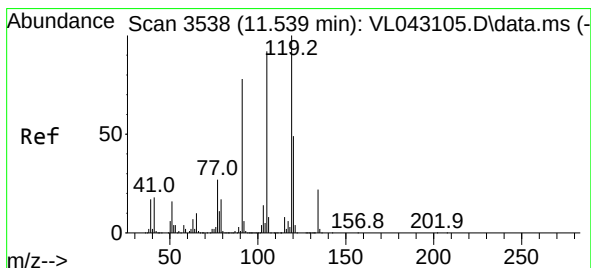
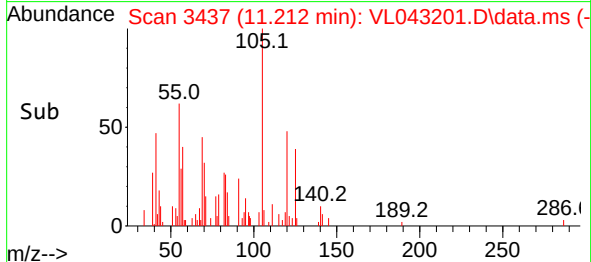
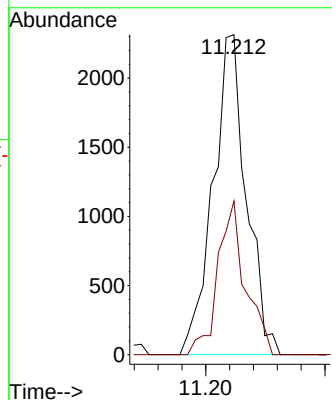
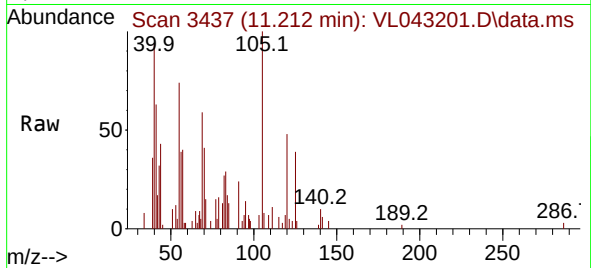




#73
1,3,5-Trimethylbenzene
Concen: 0.043 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.006 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

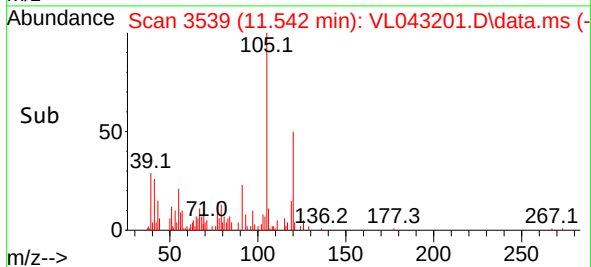
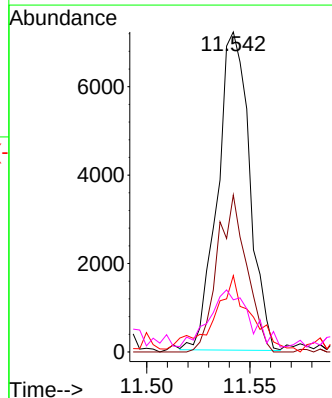
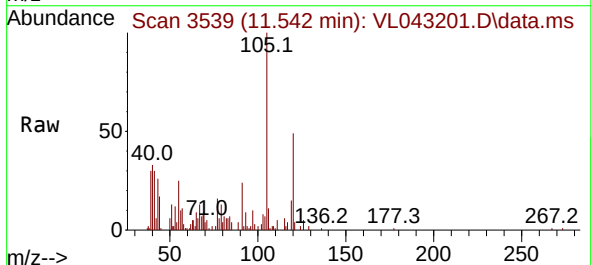
Instrument :
MSVOA_1
ClientSampleId :
UNIT-7-SS-1

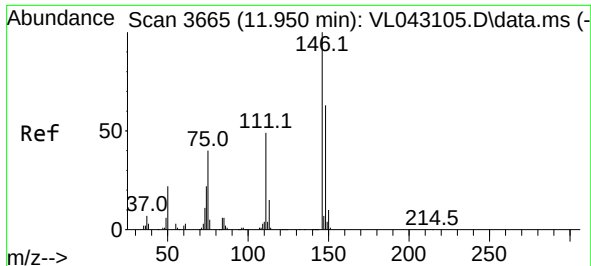
Tgt Ion:105 Resp: 2247
Ion Ratio Lower Upper
105 100
120 48.0 39.0 58.6



#74
1,2,4-Trimethylbenzene
Concen: 0.133 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

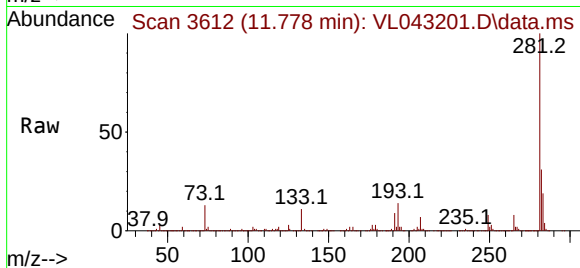
Tgt Ion:105 Resp: 7762
Ion Ratio Lower Upper
105 100
120 53.6 42.8 64.2
91 21.8 68.3 102.5#
77 14.7 23.4 35.0#



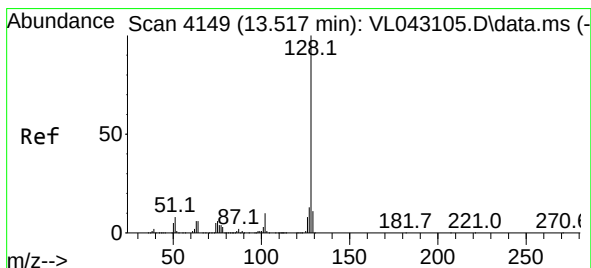
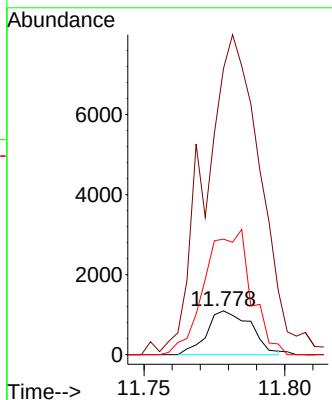
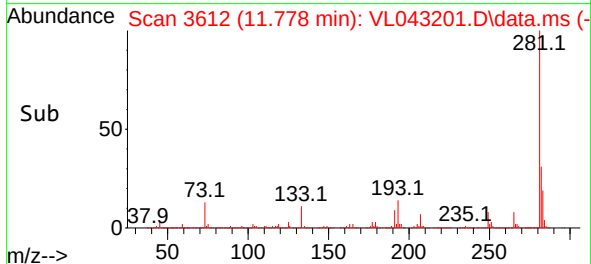


#77
1,2-Dichlorobenzene
Concen: 0.036 ppbv
RT: 11.778 min Scan# 3612
Delta R.T. -0.172 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Instrument :
MSVOA_1
ClientSampleId :
UNIT-7-SS-1



Tgt Ion:146 Resp: 1191
Ion Ratio Lower Upper
146 100
111 939.0 24.0 72.0#
148 299.5 31.1 93.3#



#79
Naphthalene
Concen: 0.037 ppbv
RT: 13.520 min Scan# 4150
Delta R.T. 0.003 min
Lab File: VL043201.D
Acq: 13 Nov 2025 15:58

Tgt Ion:128 Resp: 2239
Ion Ratio Lower Upper
128 100
127 69.8 10.5 15.7#
129 10.8 9.1 13.7

