

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043261.D
 Acq On : 20 Nov 2025 12:49
 Operator : SY/MD
 Sample : Q3655-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

Quant Time: Nov 21 00:37:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	103035	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	274703	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	210056	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	151243	9.823	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	3995	0.275	ppbv	95
3) Chlorodifluoromethane	1.467	51	22151	1.550	ppbv #	63
4) Chloromethane	1.535	50	1113	0.205	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	365	0.030	ppbv #	62
9) Propene	1.489	41	1610	0.265	ppbv #	1
11) Trichlorofluoromethane	1.878	101	2007	0.143	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	665	0.060	ppbv	85
13) Ethanol	1.722	45	3531	1.655	ppbv #	38
15) Acetone	1.839	43	22294	1.557	ppbv #	86
16) 1,3-Butadiene	1.599	39	976	0.153	ppbv #	46
17) tert-Butyl alcohol	2.043	59	1100	0.059	ppbv #	68
19) Isopropyl Alcohol	1.888	45	4190	0.518	ppbv #	1
20) Methylene Chloride	2.062	84	5379	0.532	ppbv #	83
22) trans-1,2-Dichloroethene	2.341	96	203	0.035	ppbv #	37
23) Vinyl Acetate	2.473	43	7844	0.454	ppbv #	27
25) Ethyl Acetate	2.823	43	11301	0.366	ppbv #	82
26) Hexane	2.823	57	13470	0.995	ppbv #	44
27) Carbon Disulfide	2.150	76	884	0.064	ppbv #	1
34) 2-Butanone	2.561	43	8515	0.439	ppbv	95
36) Benzene	3.658	78	2331	0.089	ppbv #	82
37) 1,2-Dichloroethane	3.211	62	499	0.032	ppbv #	86
39) 1,2-Dichloropropane	3.952	63	68697	7.135	ppbv #	24
41) Tetrahydrofuran	3.066	42	546	0.051	ppbv #	37
52) Tetrachloroethene	8.218	164	60277	6.160	ppbv	89
53) Toluene	6.930	91	3307	0.106	ppbv #	21
56) 1,1,1,2-Tetrachloroethane	8.934	131	1606	0.104	ppbv #	1
57) Chlorobenzene	8.921	112	775	0.036	ppbv #	59
58) Ethyl Benzene	9.348	91	1746	0.043	ppbv	91
60) o-Xylene	9.956	91	1586	0.049	ppbv	93
61) Styrene	9.863	104	1057	0.075	ppbv	93
67) sec-Butylbenzene	11.769	105	11044	0.153	ppbv #	1
70) n-Butylbenzene	12.274	91	3079	0.052	ppbv	96
73) 1,3,5-Trimethylbenzene	11.199	105	1177	0.036	ppbv	98
74) 1,2,4-Trimethylbenzene	11.529	105	3151	0.087	ppbv #	64
75) 1,3-Dichlorobenzene	11.604	146	1118	0.053	ppbv	94
76) 1,4-Dichlorobenzene	11.665	146	1248	0.059	ppbv	83
77) 1,2-Dichlorobenzene	11.665	146	1248	0.062	ppbv	89
78) Hexachloro-1,3-Butadiene	13.882	225	1697	0.100	ppbv	97
79) Naphthalene	13.510	128	4377	0.136	ppbv #	52
80) Naphthalene,2-methyl-	14.465	142	652	0.077	ppbv	86
81) 1,2,4-Trichlorobenzene	13.436	180	1868	0.130	ppbv	97

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Sample : Q3655-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1

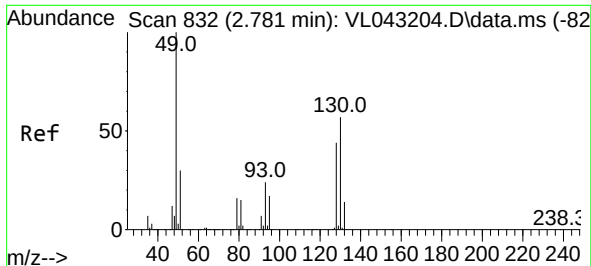
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration

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

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

Quant Time: Nov 21 00:37:15 2025
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
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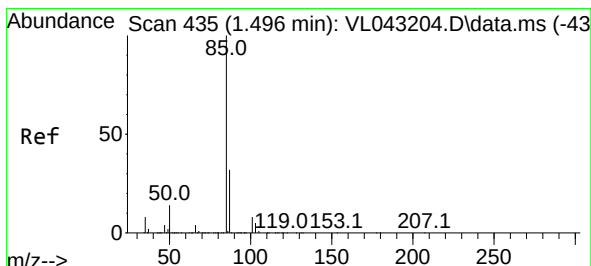
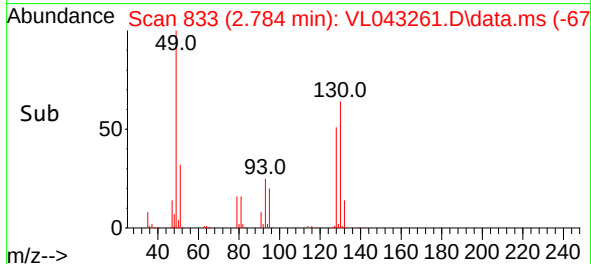
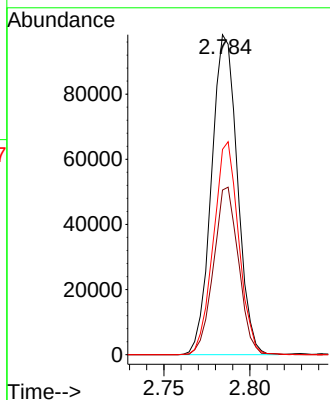
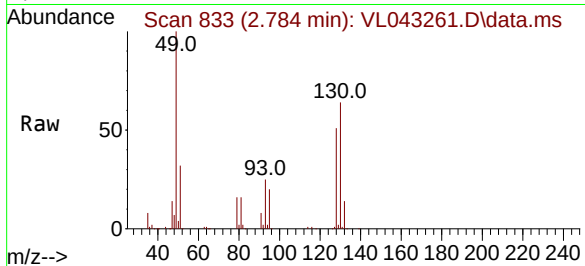




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL043261.D
 Acq: 20 Nov 2025 12:49

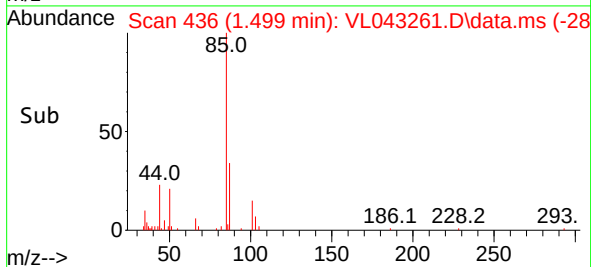
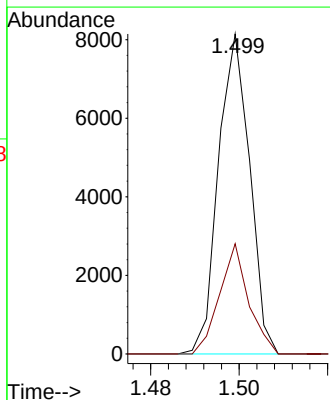
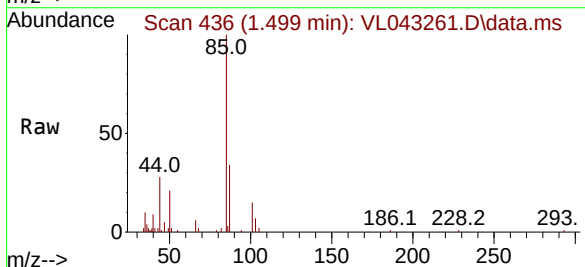
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

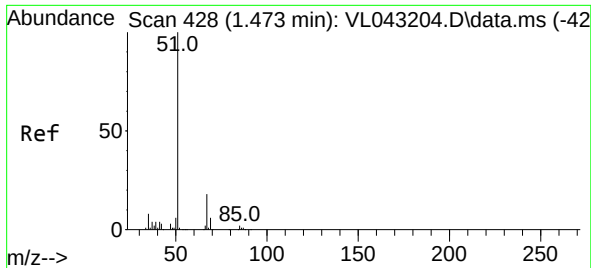
Tgt Ion: 49 Resp: 103035
 Ion Ratio Lower Upper
 49 100
 128 50.6 23.0 69.0
 130 64.8 29.9 89.7



#2
 Dichlorodifluoromethane
 Concen: 0.275 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.003 min
 Lab File: VL043261.D
 Acq: 20 Nov 2025 12:49

Tgt Ion: 85 Resp: 3995
 Ion Ratio Lower Upper
 85 100
 87 34.5 25.4 38.2





#3

Chlorodifluoromethane

Concen: 1.550 ppbv

RT: 1.467 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL043261.D

Acq: 20 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

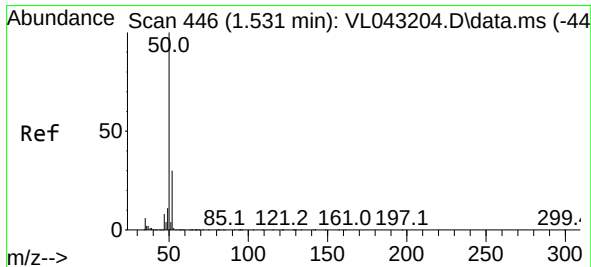
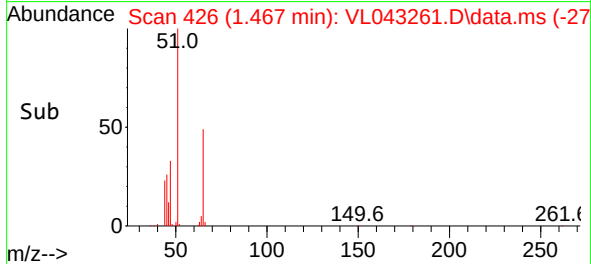
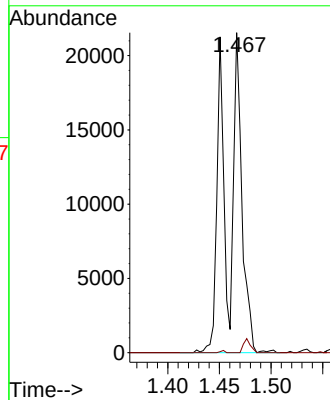
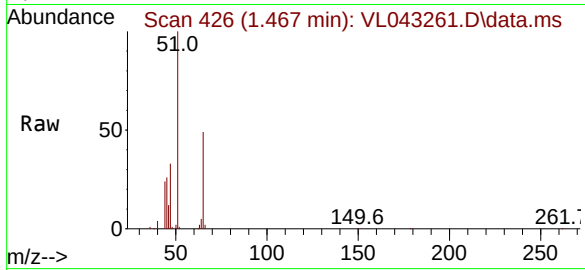
SG-1

Tgt Ion: 51 Resp: 22151

Ion Ratio Lower Upper

51 100

67 2.2 14.9 22.3#



#4

Chloromethane

Concen: 0.205 ppbv

RT: 1.535 min Scan# 447

Delta R.T. 0.003 min

Lab File: VL043261.D

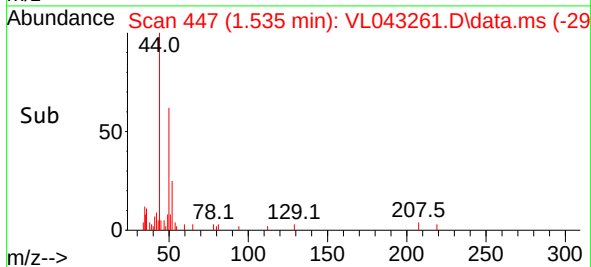
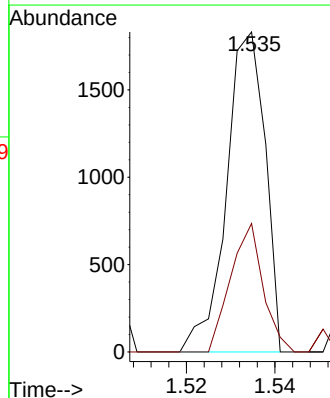
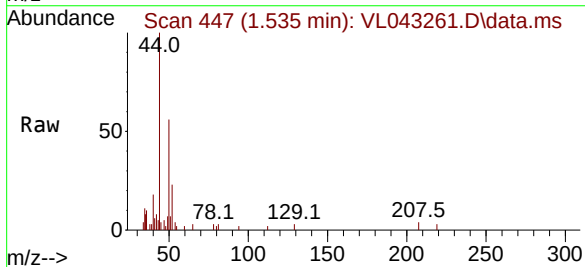
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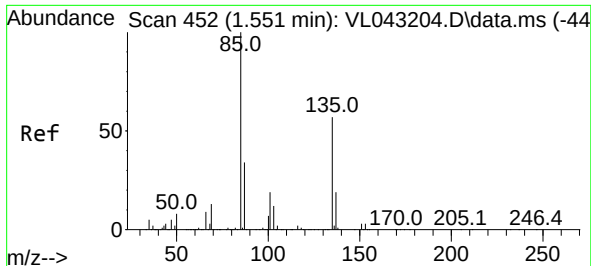
Tgt Ion: 50 Resp: 1113

Ion Ratio Lower Upper

50 100

52 35.6 24.1 36.1

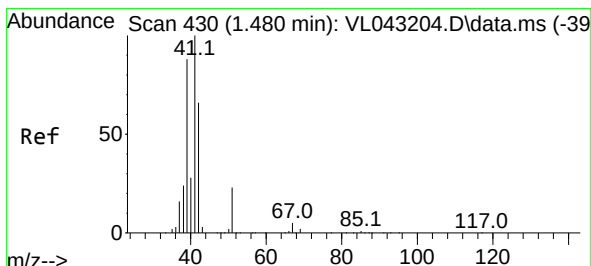
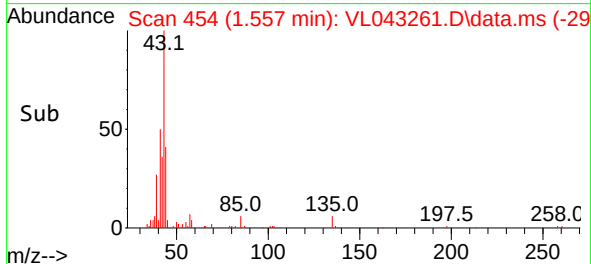
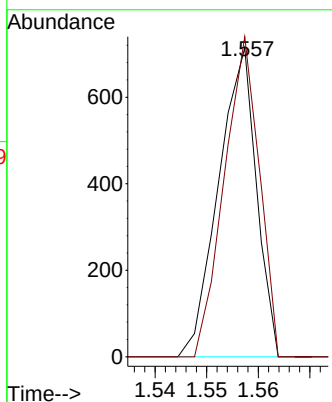
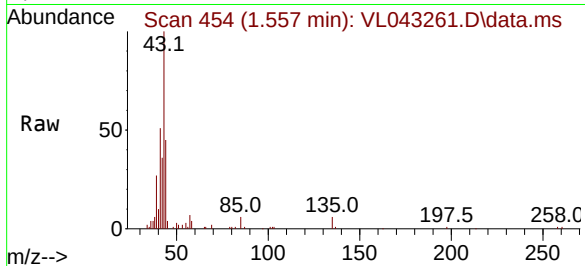




#8
 Dichlorotetrafluoroethane
 Concen: 0.030 ppbv
 RT: 1.557 min Scan# 411
 Delta R.T. 0.007 min
 Lab File: VL043261.D
 Acq: 20 Nov 2025 12:49

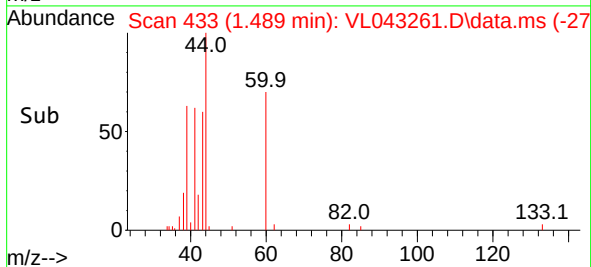
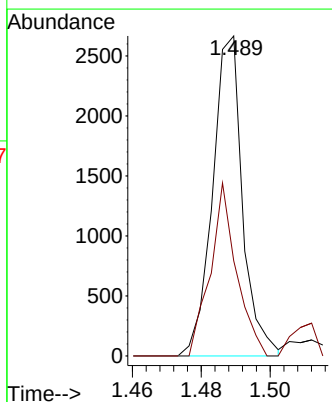
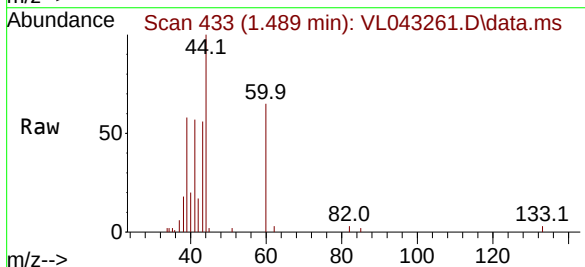
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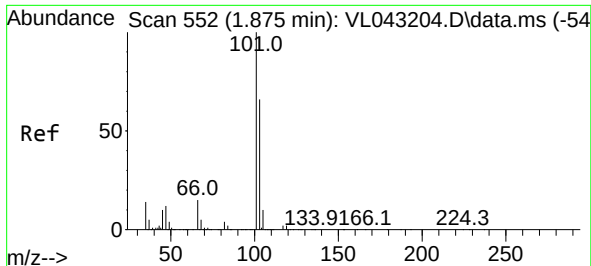
Tgt Ion: 85 Resp: 365
 Ion Ratio Lower Upper
 85 100
 135 95.6 52.6 79.0#



#9
 Propene
 Concen: 0.265 ppbv
 RT: 1.489 min Scan# 433
 Delta R.T. 0.010 min
 Lab File: VL043261.D
 Acq: 20 Nov 2025 12:49

Tgt Ion: 41 Resp: 1610
 Ion Ratio Lower Upper
 41 100
 42 55.3 3.7 5.5#

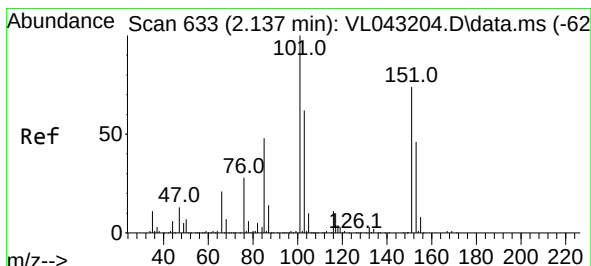
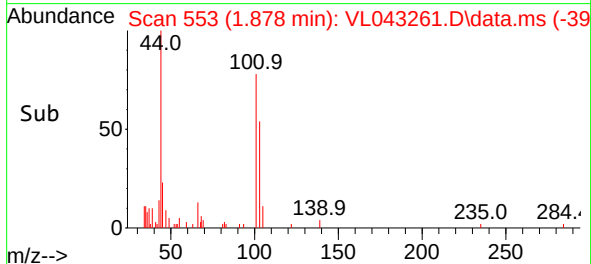
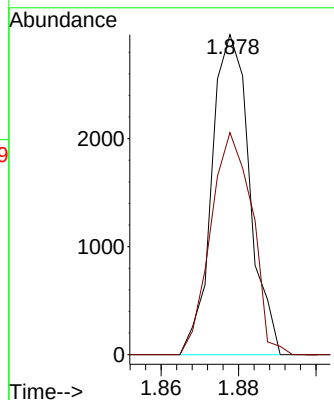
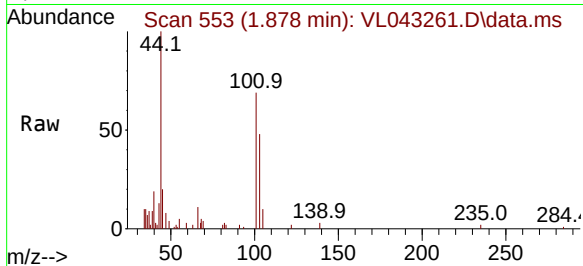




#11
 Trichlorofluoromethane
 Concen: 0.143 ppbv
 RT: 1.878 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL043261.D
 Acq: 20 Nov 2025 12:49

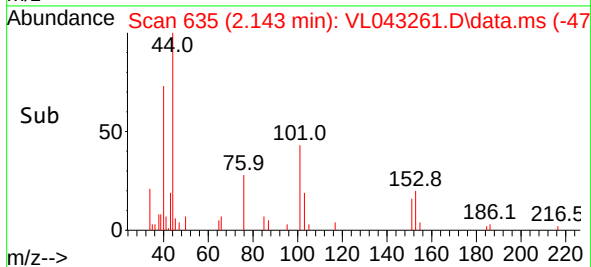
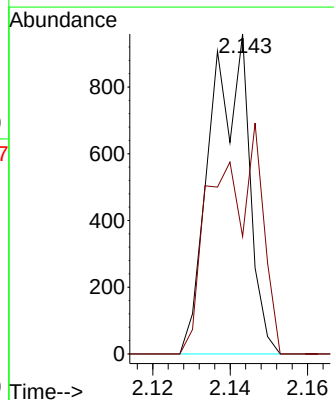
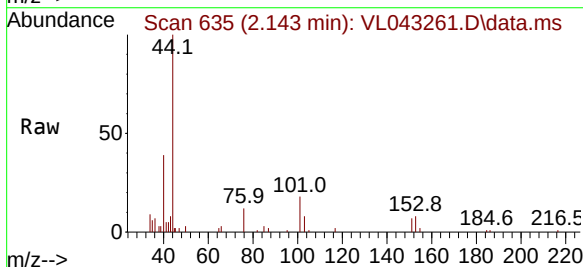
Instrument :
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 ClientSampleId :
 SG-1

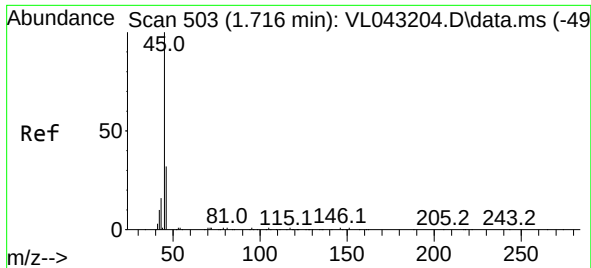
Tgt Ion:101 Resp: 2007
 Ion Ratio Lower Upper
 101 100
 103 69.4 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.060 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.007 min
 Lab File: VL043261.D
 Acq: 20 Nov 2025 12:49

Tgt Ion:101 Resp: 665
 Ion Ratio Lower Upper
 101 100
 151 86.8 59.2 88.8

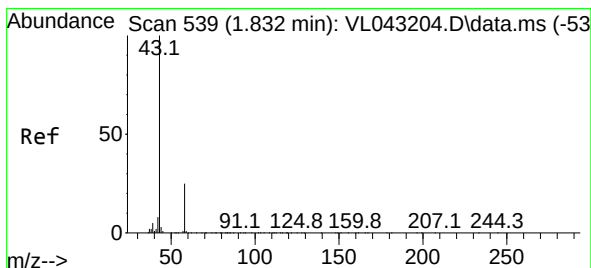
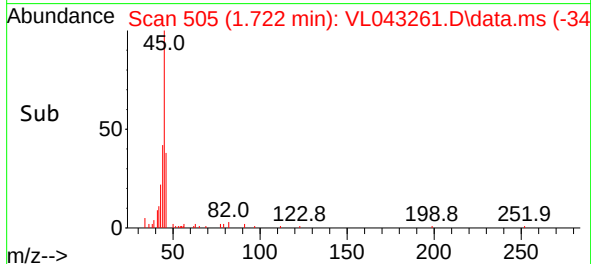
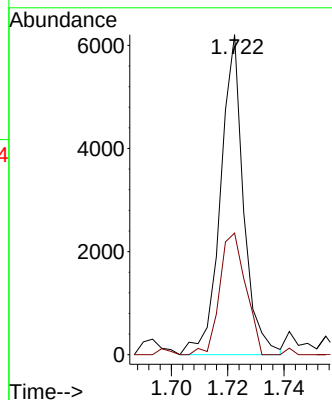
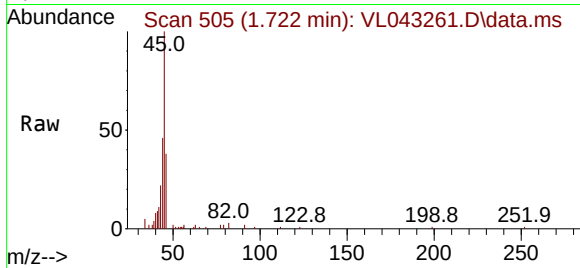




#13
Ethanol
Concen: 1.655 ppbv
RT: 1.722 min Scan# 503
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

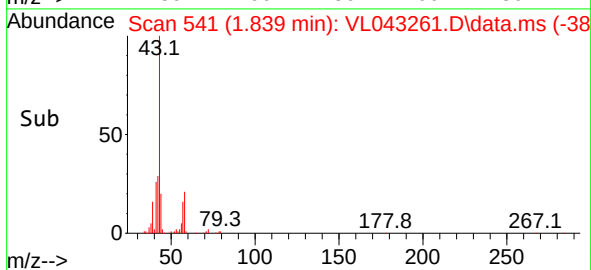
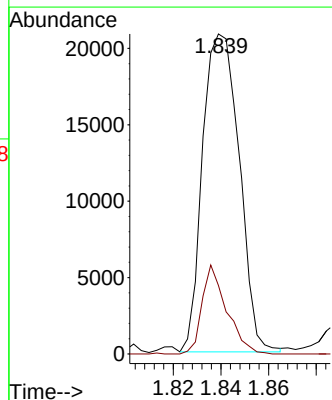
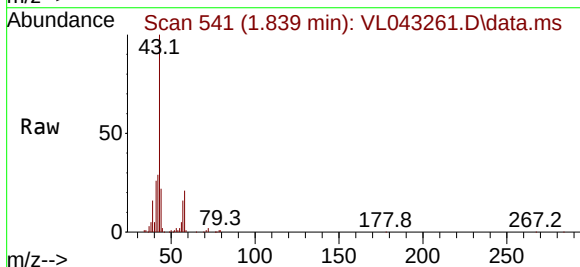
Instrument :
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SG-1

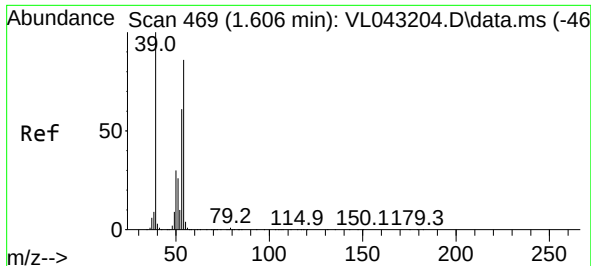
Tgt Ion: 45 Resp: 3531
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8#



#15
Acetone
Concen: 1.557 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 43 Resp: 22294
Ion Ratio Lower Upper
43 100
58 18.9 20.7 31.1#

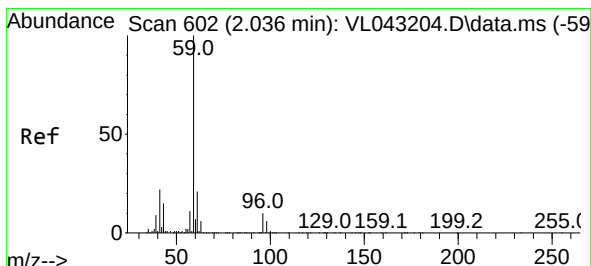
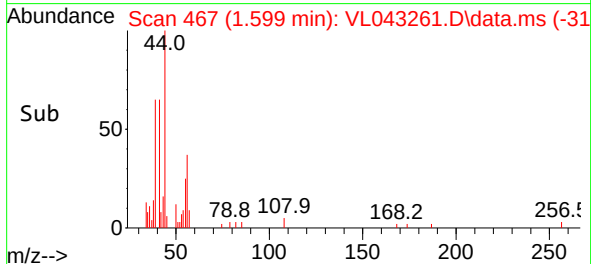
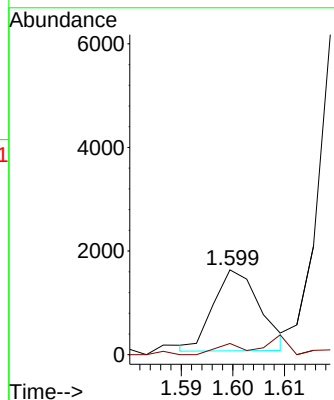
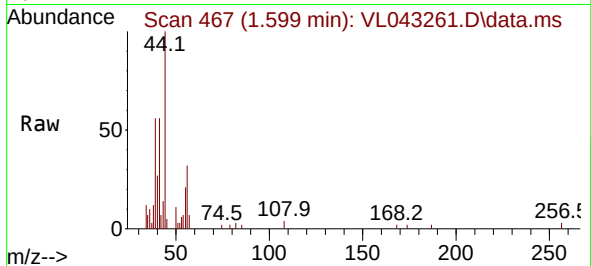




#16
1,3-Butadiene
Concen: 0.153 ppbv
RT: 1.599 min Scan# 469
Delta R.T. -0.006 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

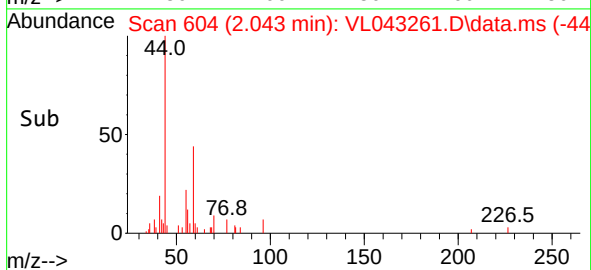
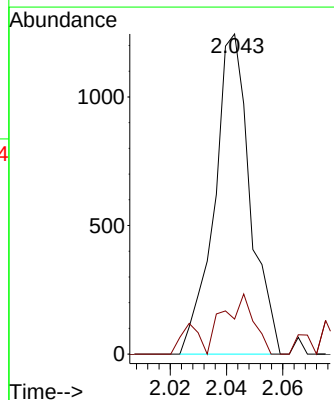
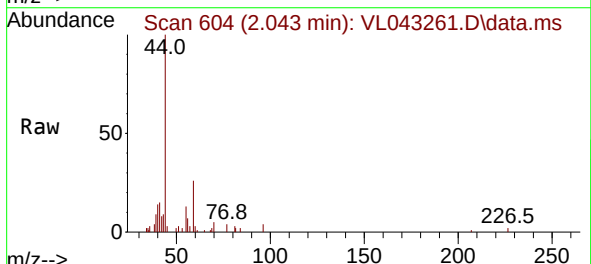
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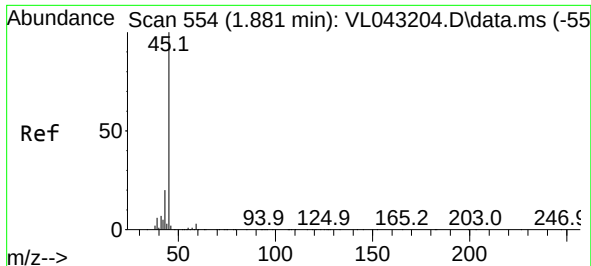
Tgt Ion: 39 Resp: 976
Ion Ratio Lower Upper
39 100
54 28.4 59.4 89.2#



#17
tert-Butyl alcohol
Concen: 0.059 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 59 Resp: 1100
Ion Ratio Lower Upper
59 100
57 23.3 9.0 13.4#

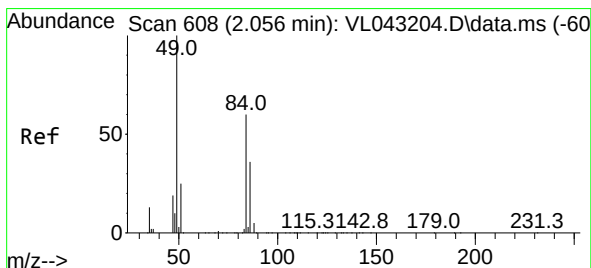
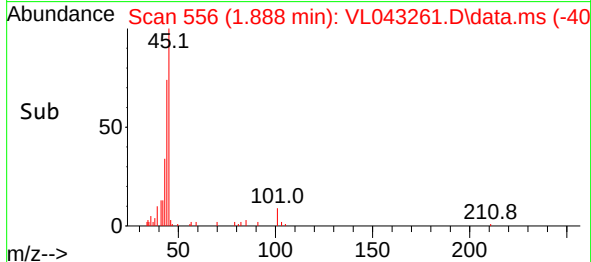
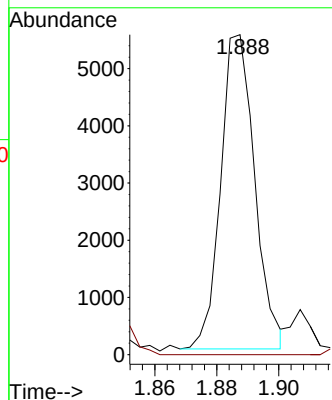
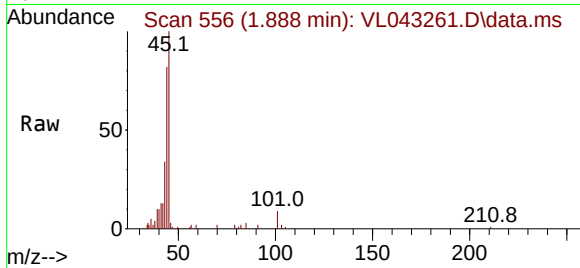




#19
Isopropyl Alcohol
Concen: 0.518 ppbv
RT: 1.888 min Scan# 519
Delta R.T. 0.007 min
Lab File: VL043261.D
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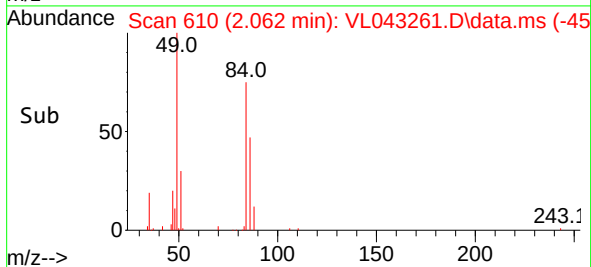
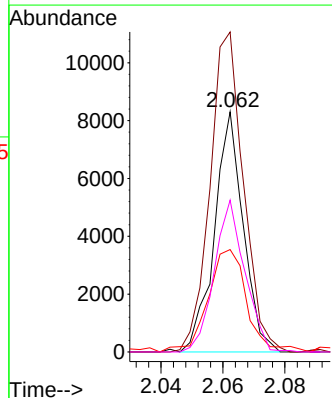
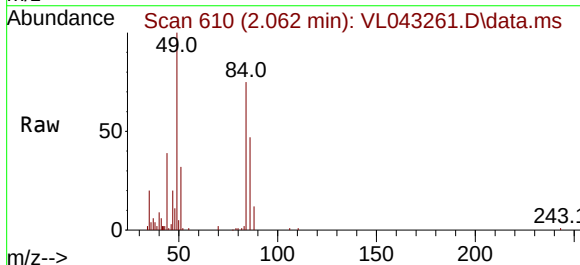
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ClientSampleId :
SG-1

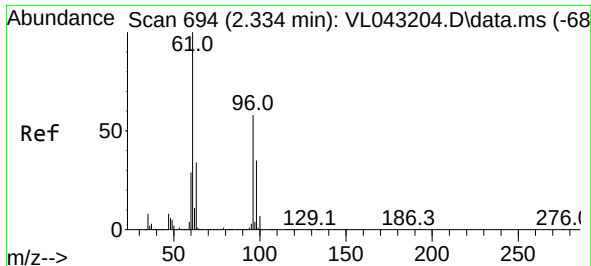
Tgt Ion: 45 Resp: 4190
Ion Ratio Lower Upper
45 100
58 100.3 31.3 46.9#



#20
Methylene Chloride
Concen: 0.532 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 84 Resp: 5379
Ion Ratio Lower Upper
84 100
49 132.3 132.9 199.3#
51 40.6 34.8 52.2
86 63.2 48.2 72.2

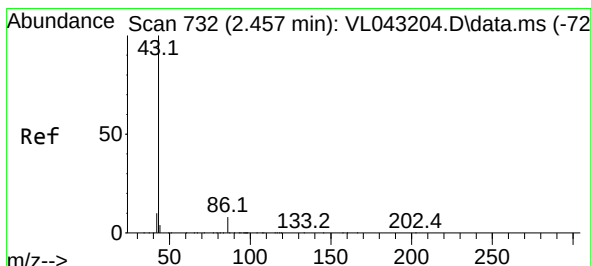
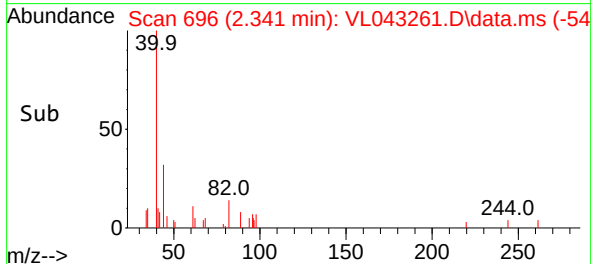
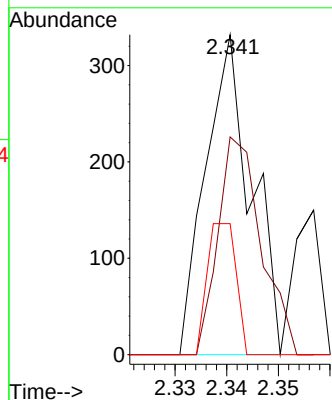
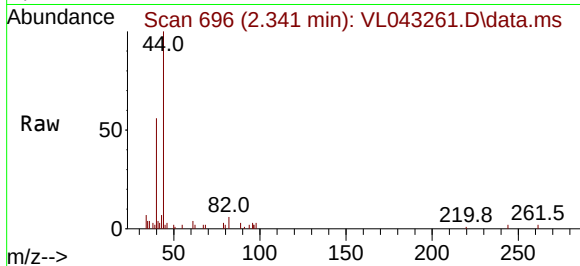




#22
trans-1,2-Dichloroethene
Concen: 0.035 ppbv
RT: 2.341 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

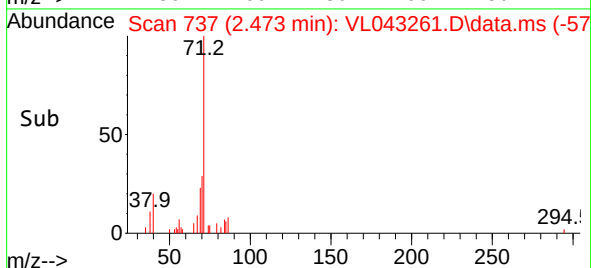
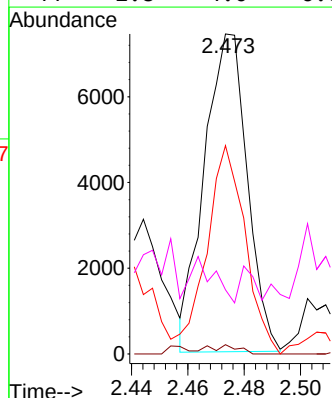
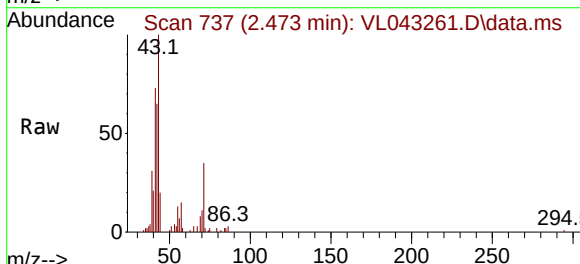
Instrument :
MSVOA_L
ClientSampleId :
SG-1

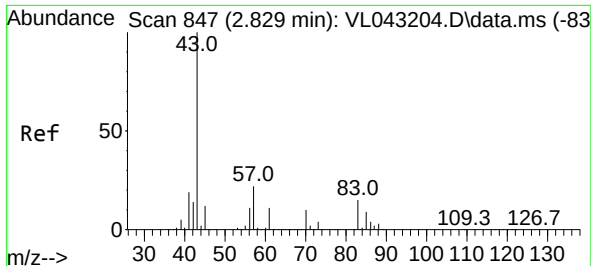
Tgt Ion: 96 Resp: 203
Ion Ratio Lower Upper
96 100
61 68.1 139.0 208.6#
98 41.0 49.4 74.2#



#23
Vinyl Acetate
Concen: 0.454 ppbv
RT: 2.473 min Scan# 737
Delta R.T. 0.016 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 43 Resp: 7844
Ion Ratio Lower Upper
43 100
86 3.0 6.2 9.2#
42 66.1 8.0 12.0#
44 2.8 4.0 6.0#

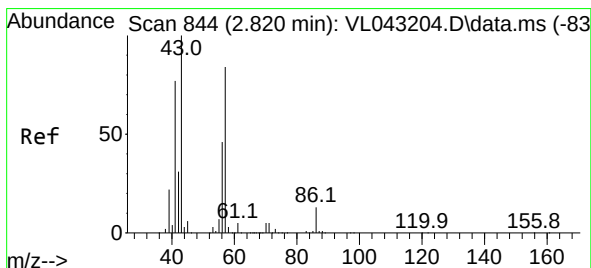
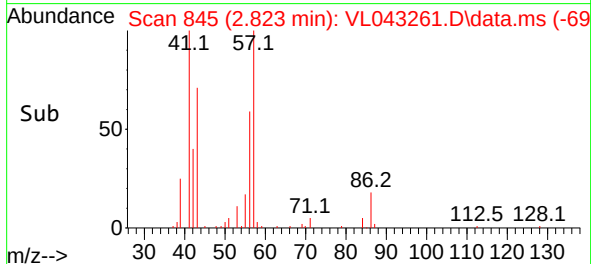
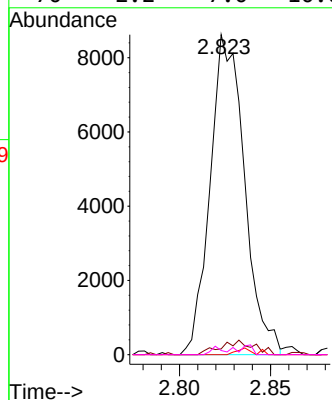
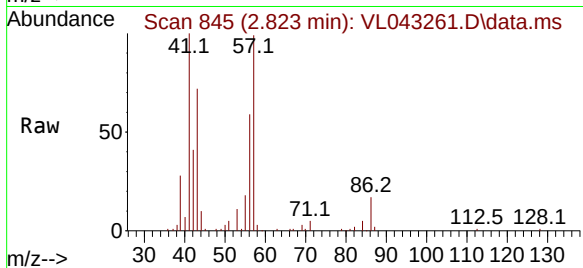




#25
Ethyl Acetate
Concen: 0.366 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.006 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

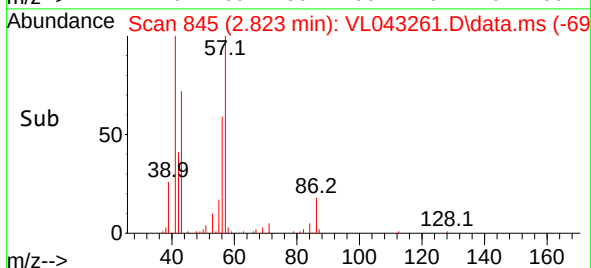
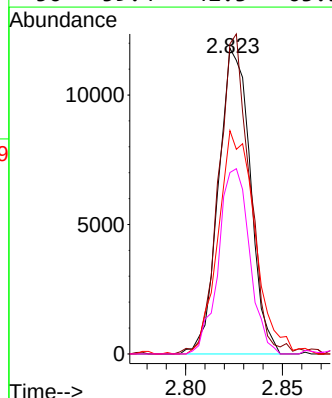
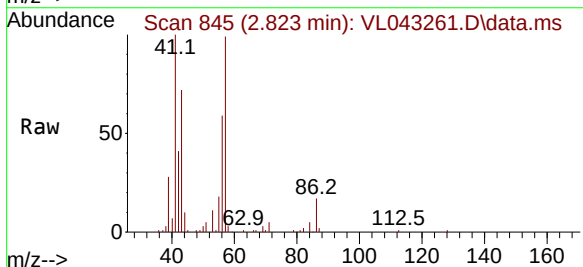
Instrument :
MSVOA_1
ClientSampleId :
SG-1

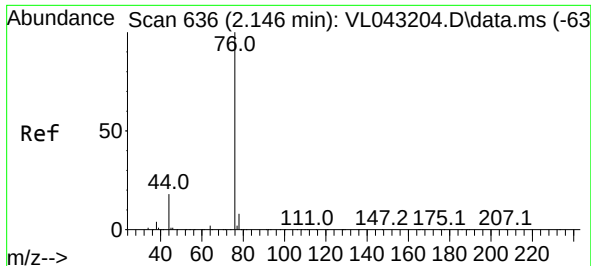
Tgt Ion: 43	Resp: 11301
Ion Ratio	Lower Upper
43 100	
45 4.6	8.1 12.1#
61 1.0	7.0 10.4#
70 2.2	7.0 10.6#



#26
Hexane
Concen: 0.995 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 57	Resp: 13470
Ion Ratio	Lower Upper
57 100	
41 104.5	74.6 111.8
43 84.7	179.0 268.4#
56 59.4	42.3 63.5





#27

Carbon Disulfide

Concen: 0.064 ppbv

RT: 2.150 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL043261.D

Acq: 20 Nov 2025 12:49

Instrument :

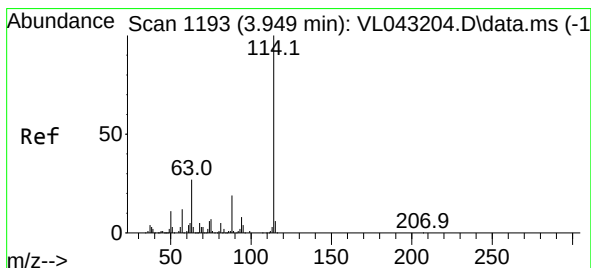
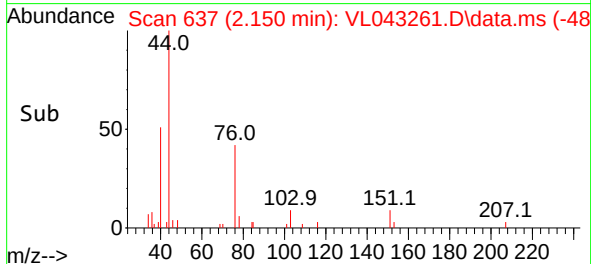
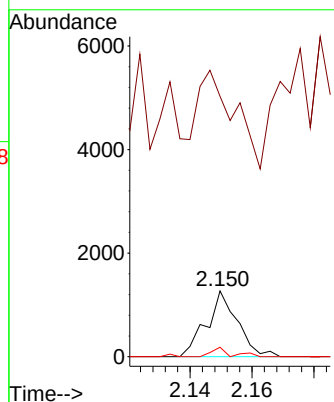
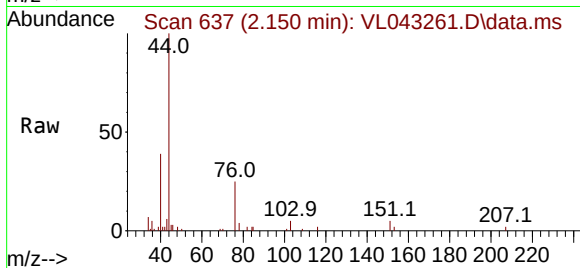
MSVOA_1

ClientSampleId :

SG-1

Tgt Ion: 76 Resp: 884

Ion	Ratio	Lower	Upper
76	100		
44	2009.4	16.1	24.1#
78	6.9	9.6	14.4#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

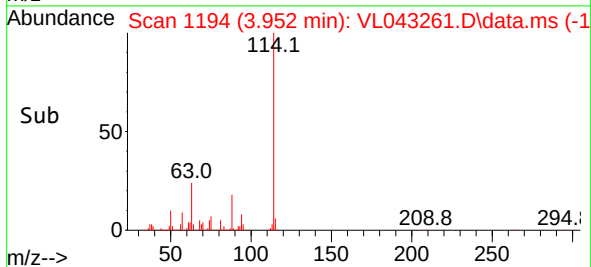
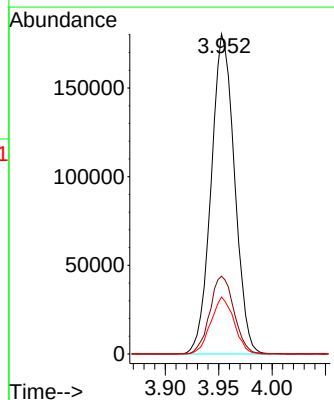
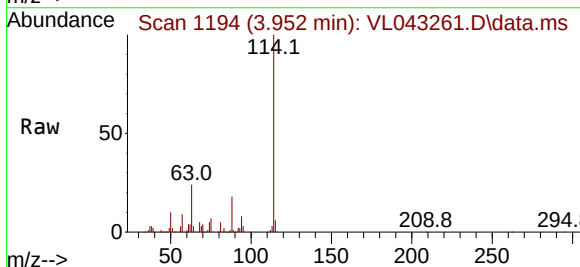
Delta R.T. 0.003 min

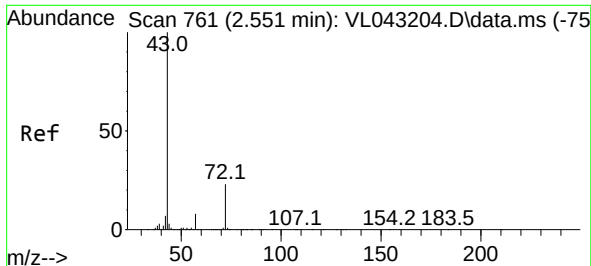
Lab File: VL043261.D

Acq: 20 Nov 2025 12:49

Tgt Ion: 114 Resp: 274703

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.0	31.6
88	17.6	14.9	22.3

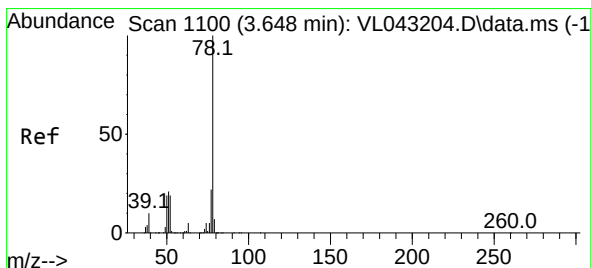
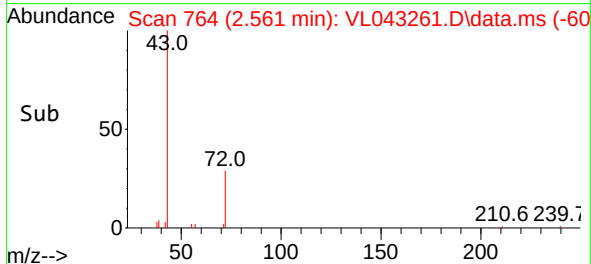
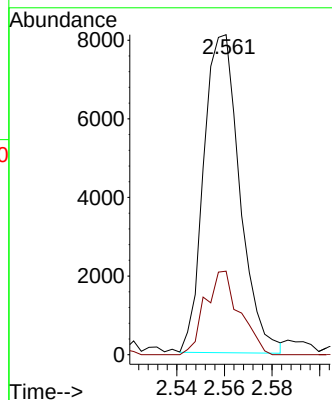
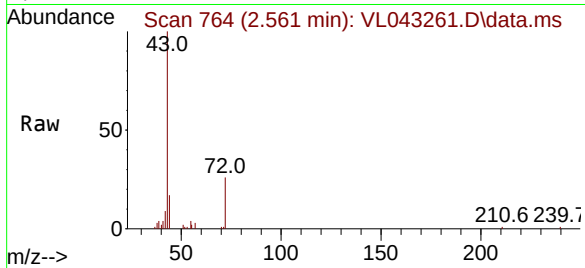




#34
2-Butanone
Concen: 0.439 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

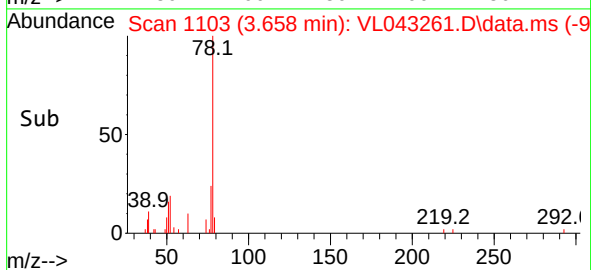
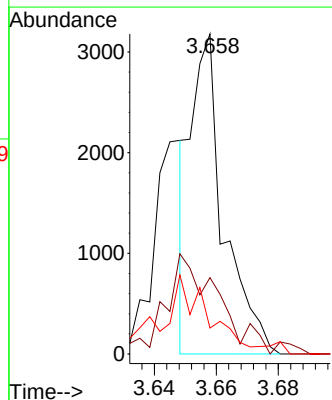
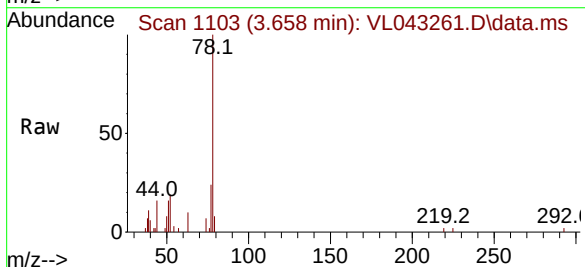
Instrument :
MSVOA_L
ClientSampleId :
SG-1

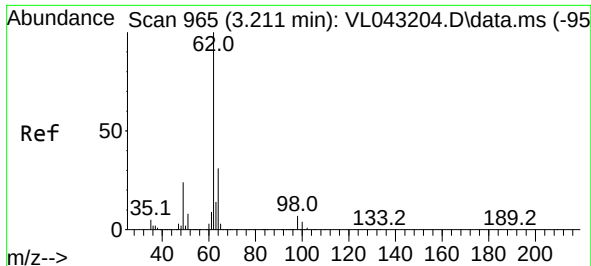
Tgt Ion: 43 Resp: 8515
Ion Ratio Lower Upper
43 100
72 25.0 18.1 27.1



#36
Benzene
Concen: 0.089 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 78 Resp: 2331
Ion Ratio Lower Upper
78 100
77 20.1 17.5 26.3
50 4.3 15.5 23.3#

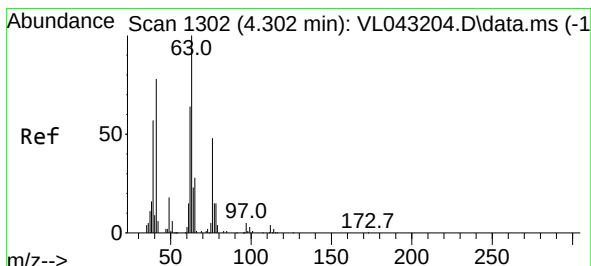
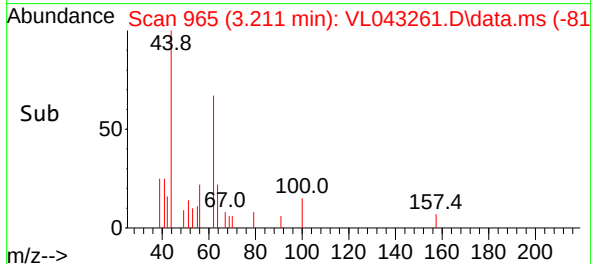
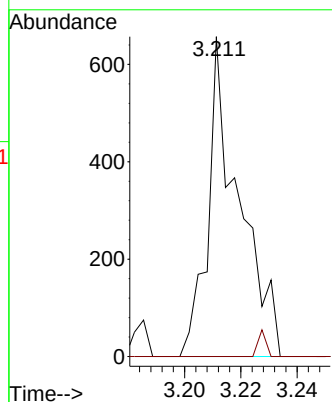
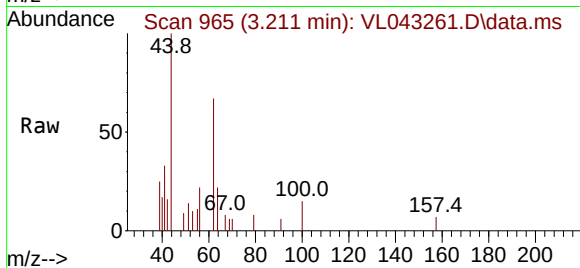




#37
 1,2-Dichloroethane
 Concen: 0.032 ppbv
 RT: 3.211 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VL043261.D
 Acq: 20 Nov 2025 12:49

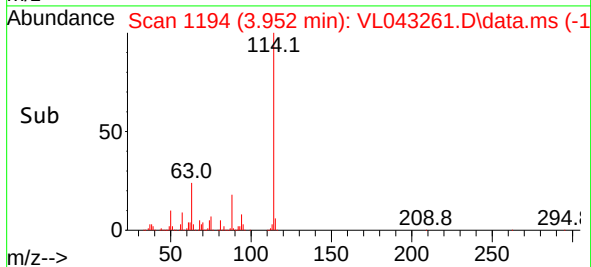
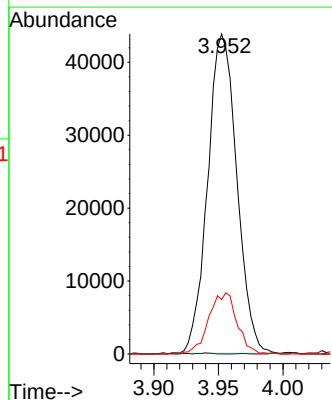
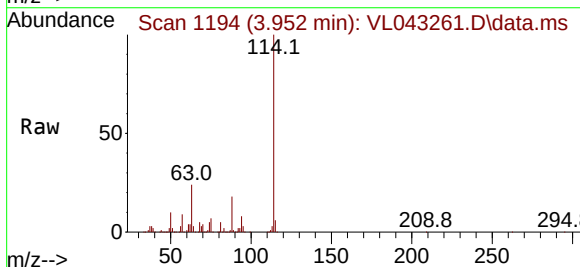
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

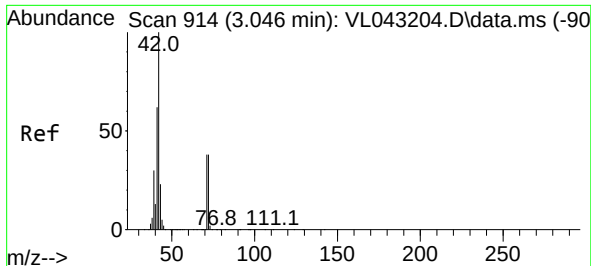
Tgt Ion: 62 Resp: 499
 Ion Ratio Lower Upper
 62 100
 98 2.2 5.5 8.3#



#39
 1,2-Dichloropropane
 Concen: 7.135 ppbv
 RT: 3.952 min Scan# 1194
 Delta R.T. -0.349 min
 Lab File: VL043261.D
 Acq: 20 Nov 2025 12:49

Tgt Ion: 63 Resp: 68697
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.6 93.8#
 62 17.0 51.0 76.6#

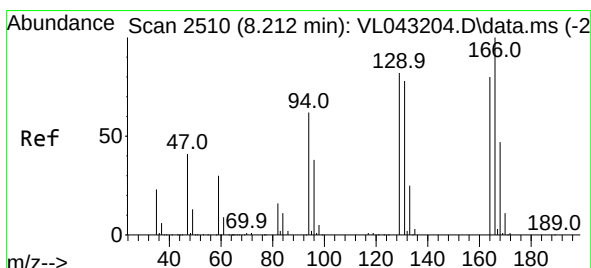
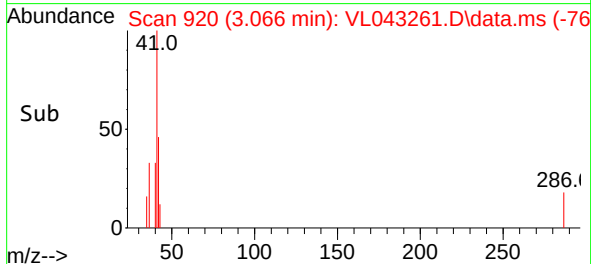
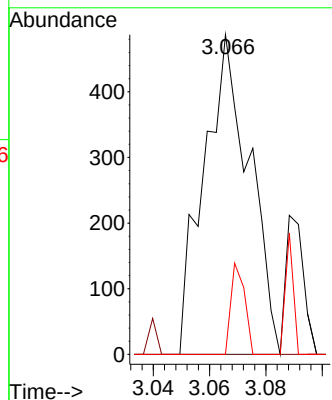
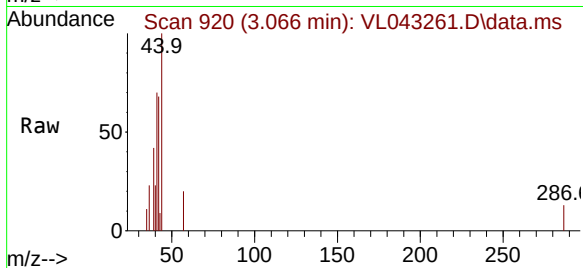




#41
Tetrahydrofuran
Concen: 0.051 ppbv
RT: 3.066 min Scan# 914
Delta R.T. 0.019 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

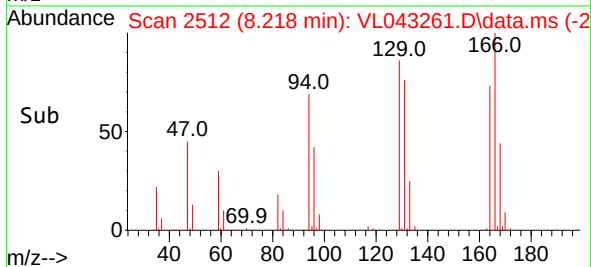
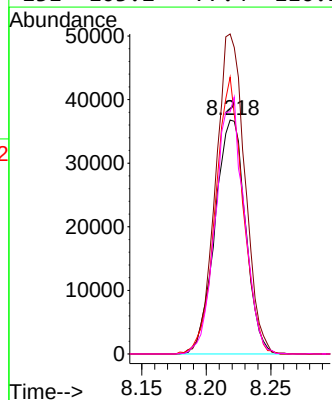
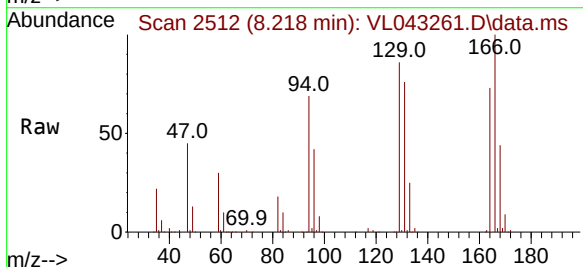
Instrument :
MSVOA_L
ClientSampleId :
SG-1

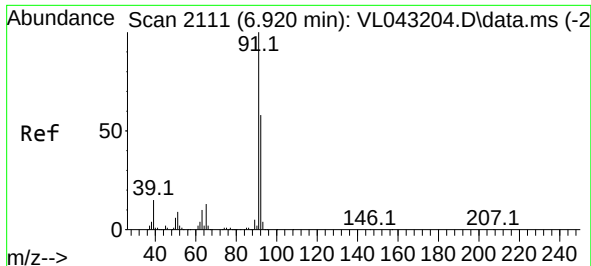
Tgt Ion: 42 Resp: 546
Ion Ratio Lower Upper
42 100
72 0.0 30.6 46.0#
71 0.0 30.5 45.7#



#52
Tetrachloroethene
Concen: 6.160 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 164 Resp: 60277
Ion Ratio Lower Upper
164 100
166 136.4 99.4 149.2
129 118.3 81.8 122.8
131 103.2 77.4 116.2

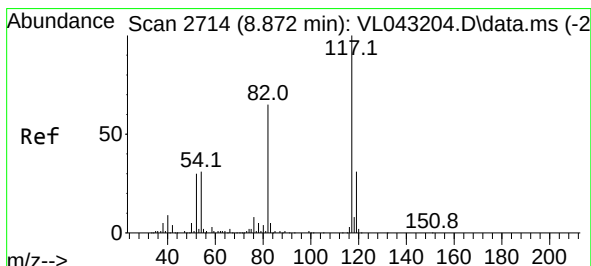
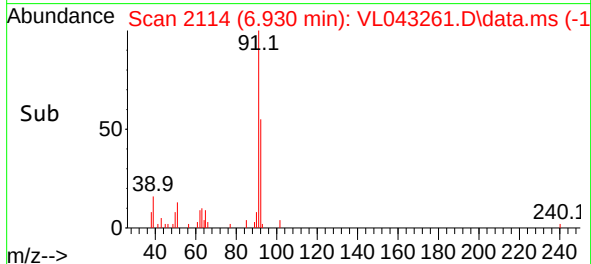
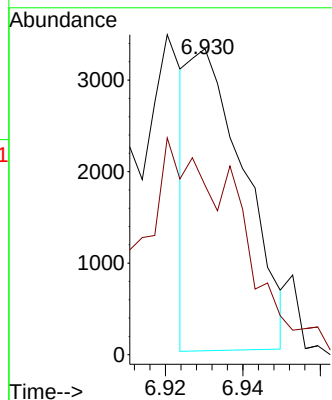
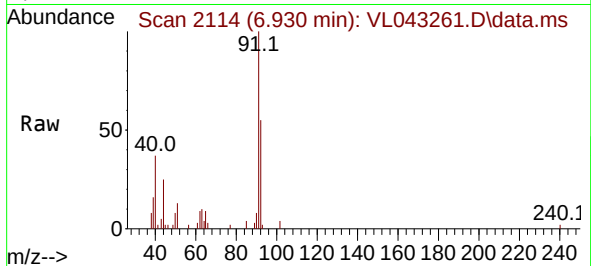




#53
Toluene
Concen: 0.106 ppbv
RT: 6.930 min Scan# 2111
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

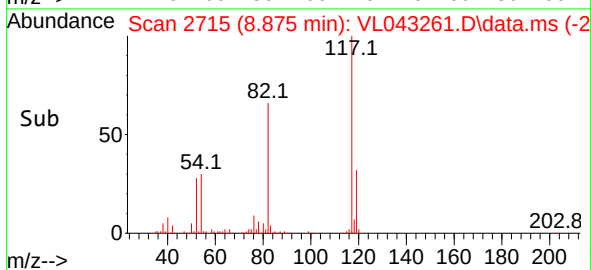
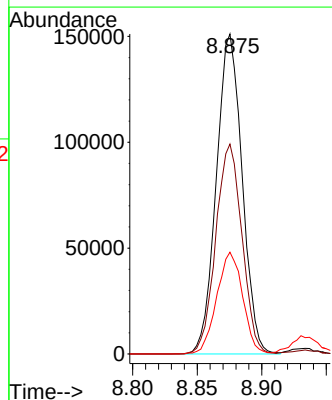
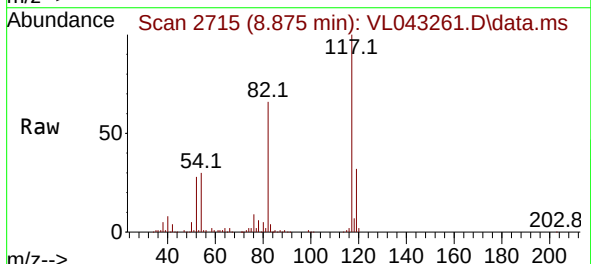
Instrument :
MSVOA_1
ClientSampleId :
SG-1

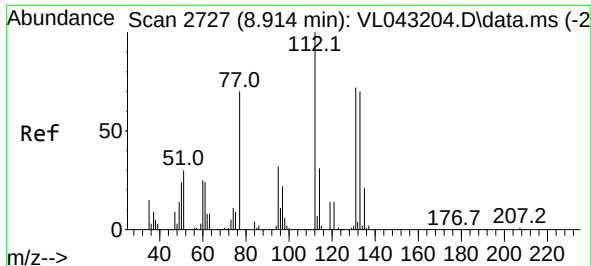
Tgt Ion: 91 Resp: 3307
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 117 Resp: 210056
Ion Ratio Lower Upper
117 100
82 66.6 56.1 84.1
119 31.9 25.0 37.6

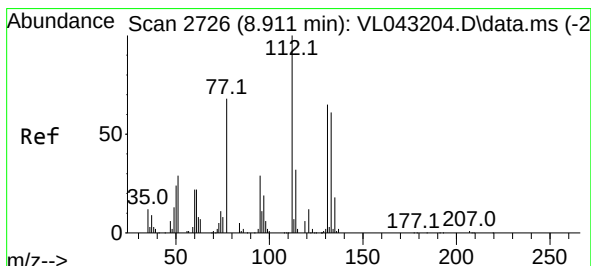
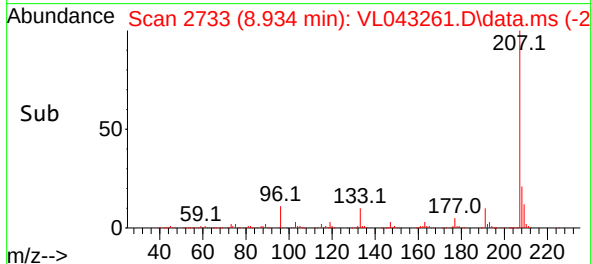
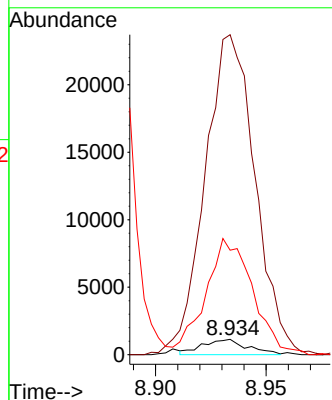
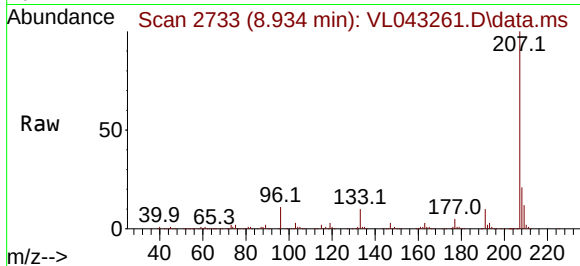




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.104 ppbv
 RT: 8.934 min Scan# 21
 Delta R.T. 0.019 min
 Lab File: VL043261.D
 Acq: 20 Nov 2025 12:49

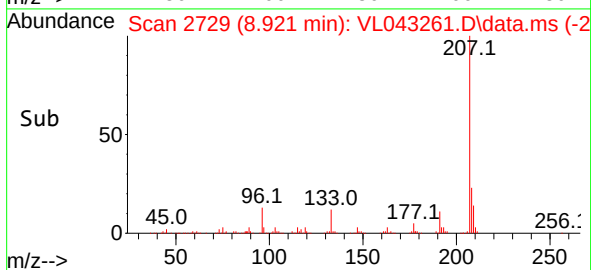
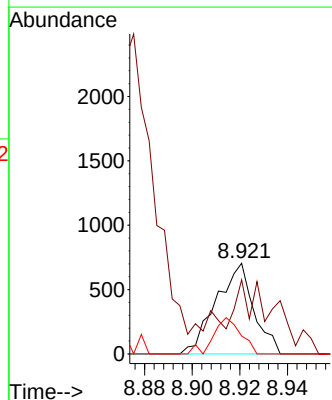
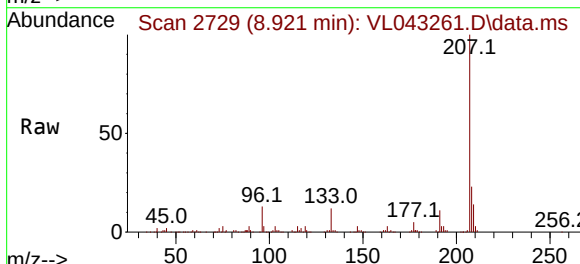
Instrument :
 MSVOA_1
 ClientSampleId :
 SG-1

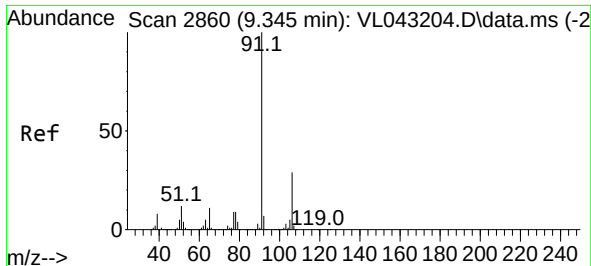
Tgt Ion:131 Resp: 1606
 Ion Ratio Lower Upper
 131 100
 133 2331.7 77.4 116.2#
 119 782.6 49.1 73.7#



#57
 Chlorobenzene
 Concen: 0.036 ppbv
 RT: 8.921 min Scan# 2729
 Delta R.T. 0.010 min
 Lab File: VL043261.D
 Acq: 20 Nov 2025 12:49

Tgt Ion:112 Resp: 775
 Ion Ratio Lower Upper
 112 100
 77 28.4 55.5 83.3#
 114 19.7 29.1 35.5#

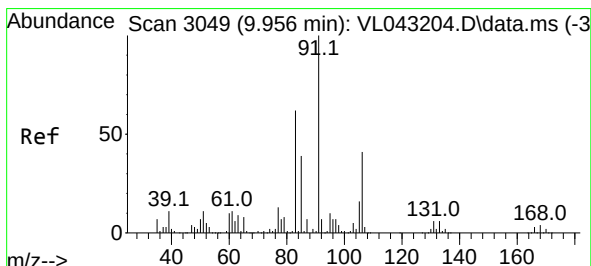
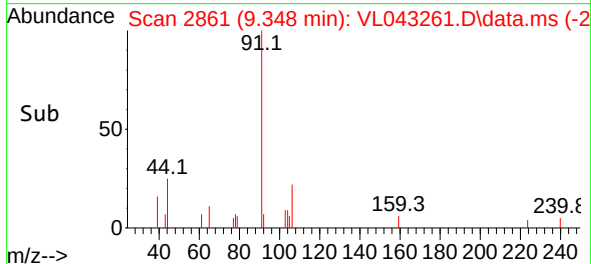
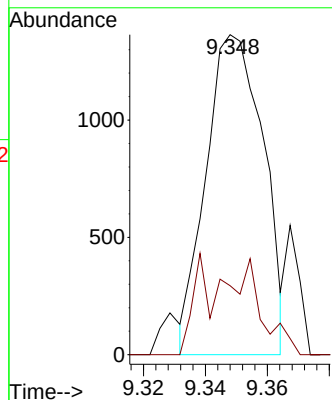
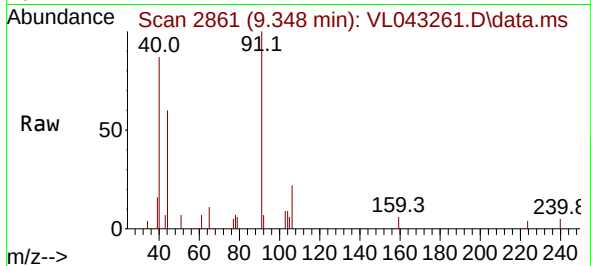




#58
Ethyl Benzene
Concen: 0.043 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

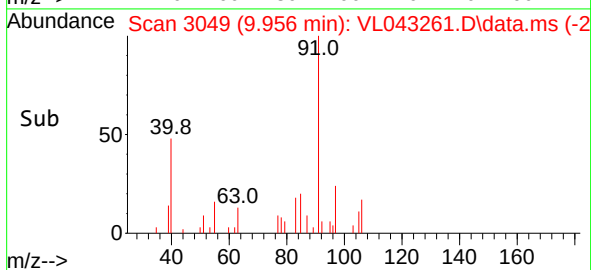
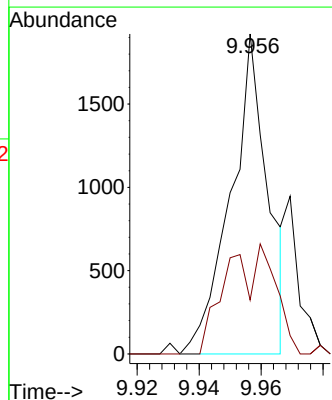
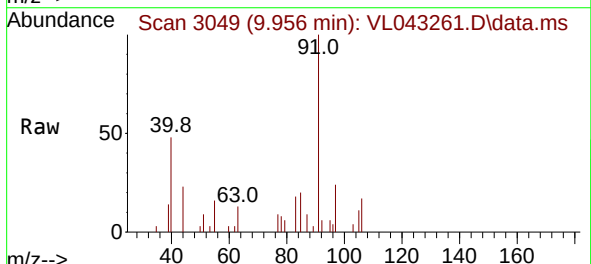
Instrument :
MSVOA_L
ClientSampleId :
SG-1

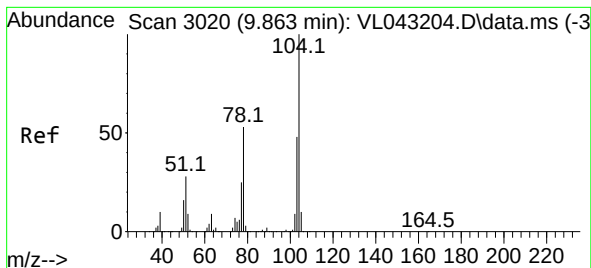
Tgt Ion: 91 Resp: 1746
Ion Ratio Lower Upper
91 100
106 23.8 22.8 34.2



#60
o-Xylene
Concen: 0.049 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 91 Resp: 1586
Ion Ratio Lower Upper
91 100
106 46.2 20.9 62.8





#61

Styrene

Concen: 0.075 ppbv

RT: 9.863 min Scan# 3020

Delta R.T. 0.000 min

Lab File: VL043261.D

Acq: 20 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

SG-1

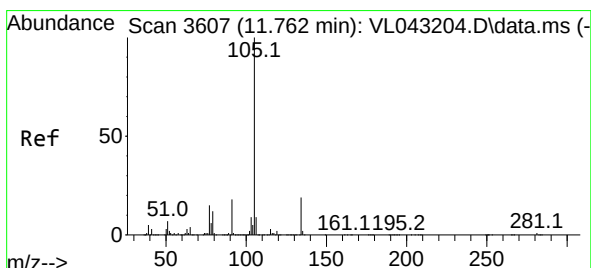
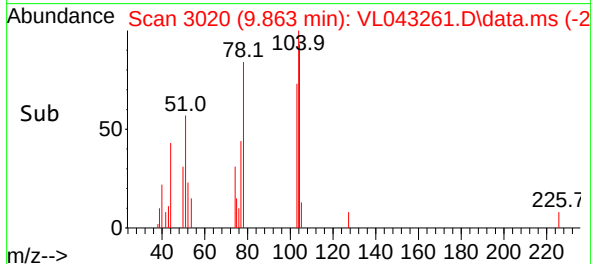
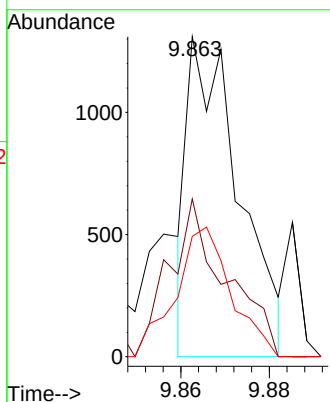
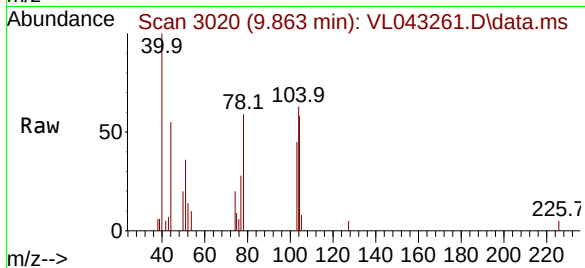
Tgt Ion:104 Resp: 1057

Ion Ratio Lower Upper

104 100

78 59.0 42.1 63.1

103 43.9 37.2 55.8



#67

sec-Butylbenzene

Concen: 0.153 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. 0.007 min

Lab File: VL043261.D

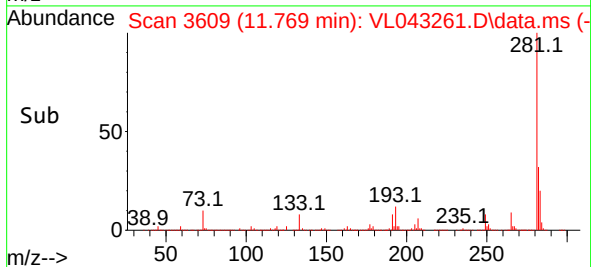
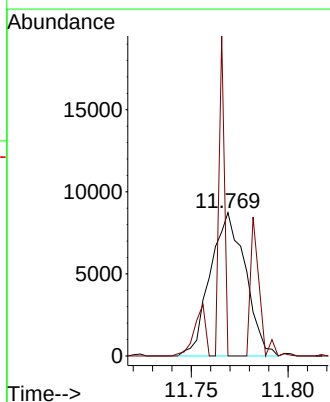
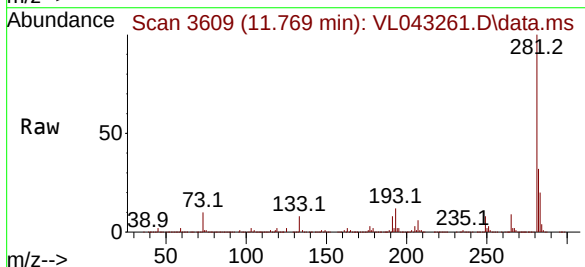
Acq: 20 Nov 2025 12:49

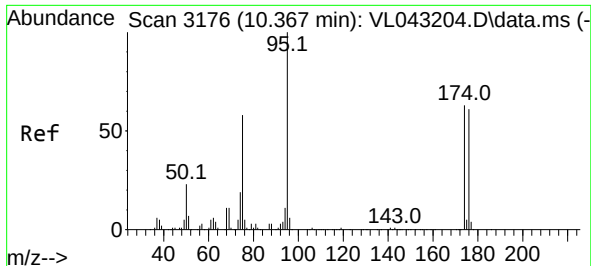
Tgt Ion:105 Resp: 11044

Ion Ratio Lower Upper

105 100

134 70.2 15.0 22.6#

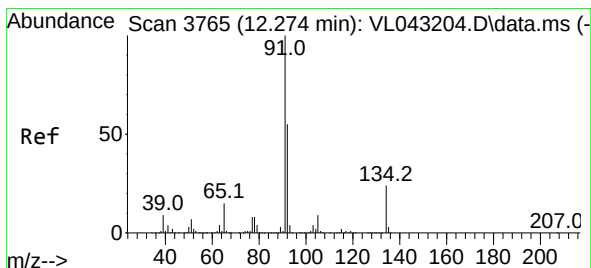
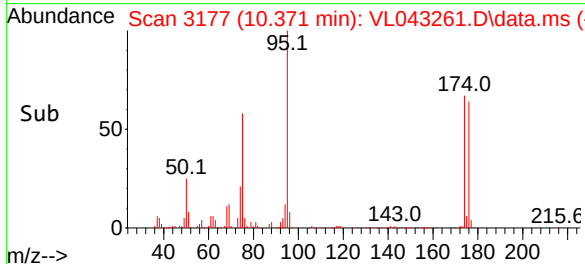
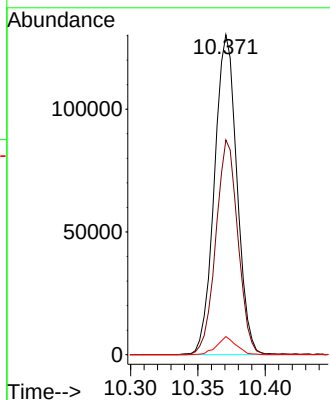
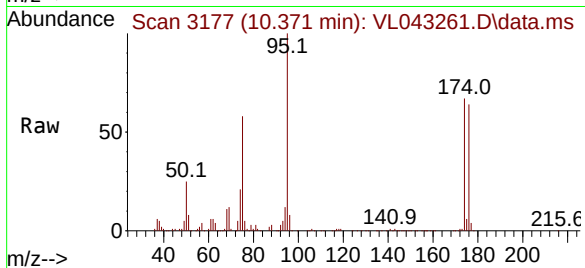




#68
1-Bromo-4-Fluorobenzene
Concen: 9.823 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

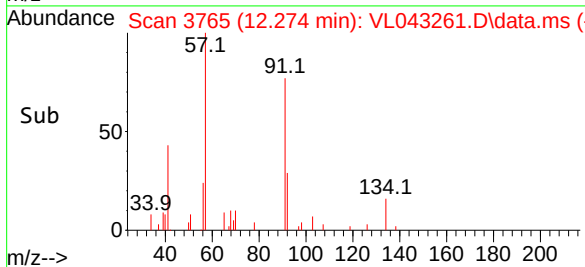
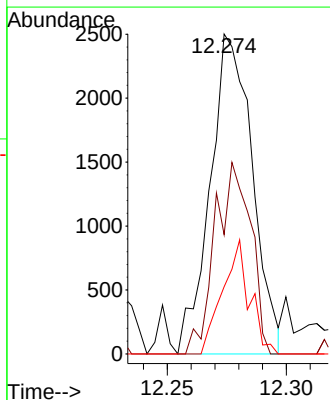
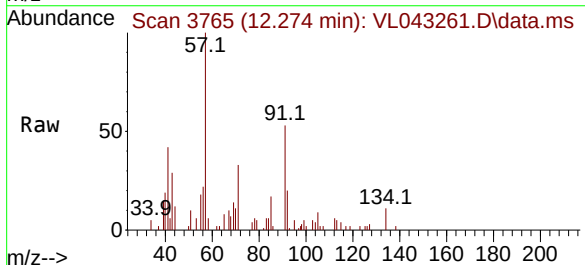
Instrument :
MSVOA_L
ClientSampleId :
SG-1

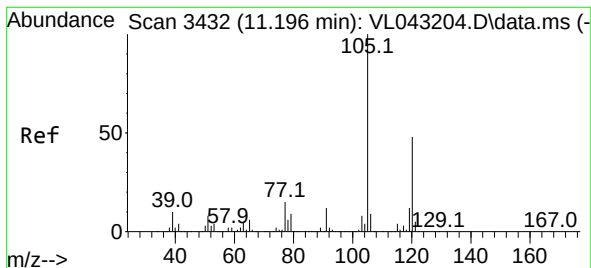
Tgt Ion: 95 Resp: 151243
Ion Ratio Lower Upper
95 100
174 66.2 50.2 75.2
175 4.9 4.1 6.1



#70
n-Butylbenzene
Concen: 0.052 ppbv
RT: 12.274 min Scan# 3765
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 91 Resp: 3079
Ion Ratio Lower Upper
91 100
92 50.5 43.5 65.3
134 22.8 19.0 28.6





#73

1,3,5-Trimethylbenzene

Concen: 0.036 ppbv

RT: 11.199 min Scan# 3432

Delta R.T. 0.003 min

Lab File: VL043261.D

Acq: 20 Nov 2025 12:49

Instrument :

MSVOA_1

ClientSampleId :

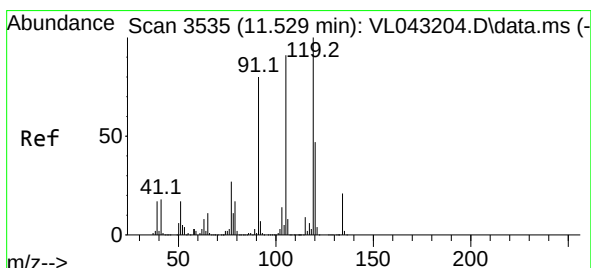
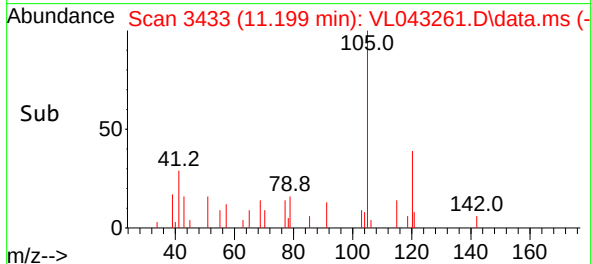
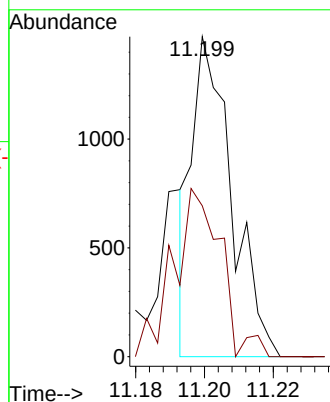
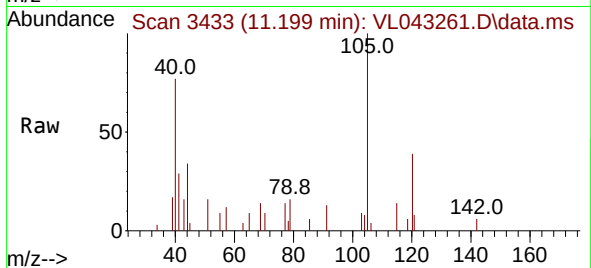
SG-1

Tgt Ion:105 Resp: 1177

Ion Ratio Lower Upper

105 100

120 47.2 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.087 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. 0.000 min

Lab File: VL043261.D

Acq: 20 Nov 2025 12:49

Tgt Ion:105 Resp: 3151

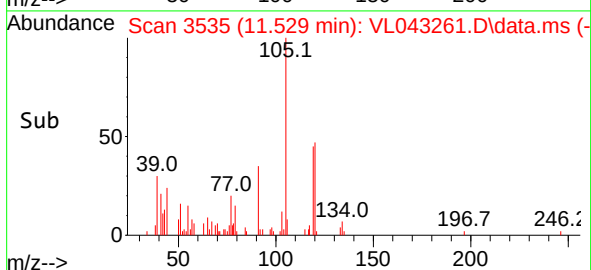
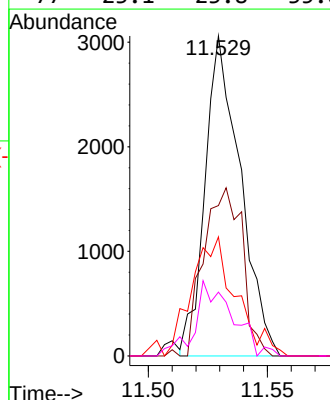
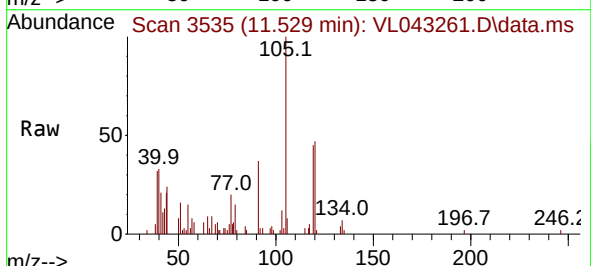
Ion Ratio Lower Upper

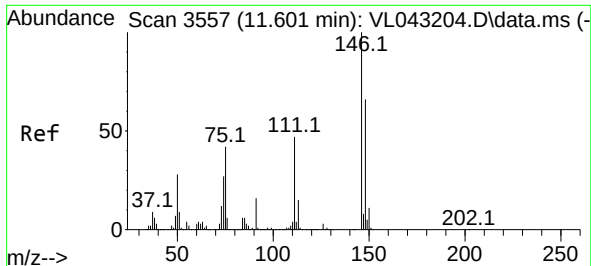
105 100

120 45.2 41.7 62.5

91 32.6 70.0 105.0#

77 23.1 23.8 35.8#

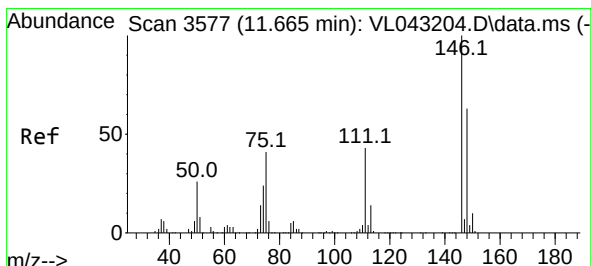
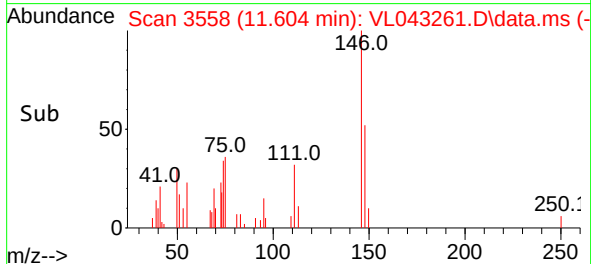
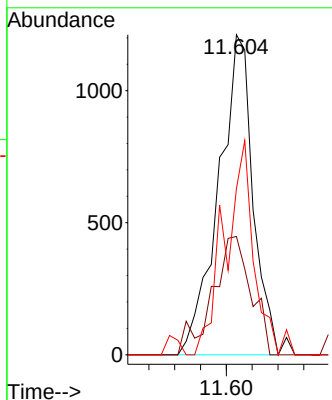
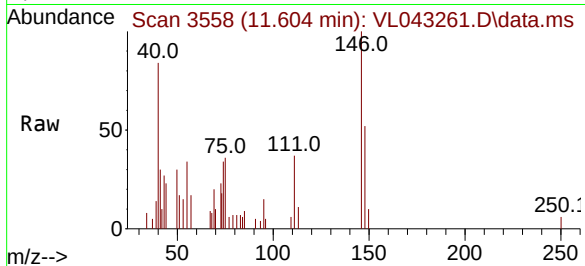




#75
1,3-Dichlorobenzene
Concen: 0.053 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

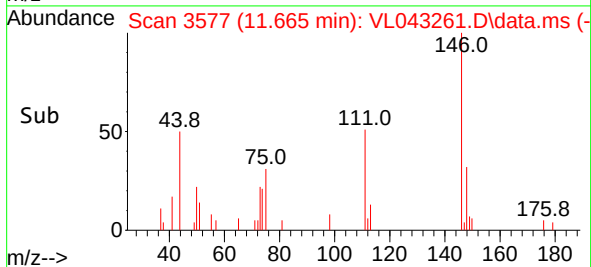
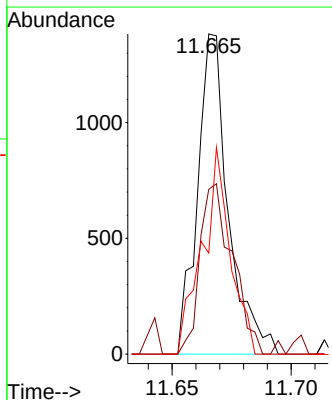
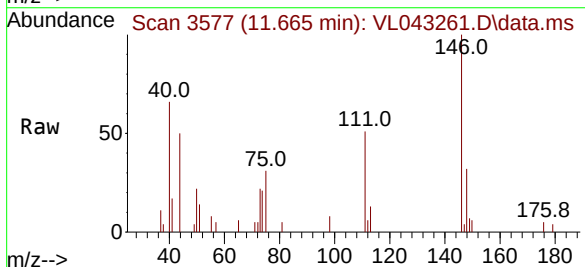
Instrument :
MSVOA_L
ClientSampleId :
SG-1

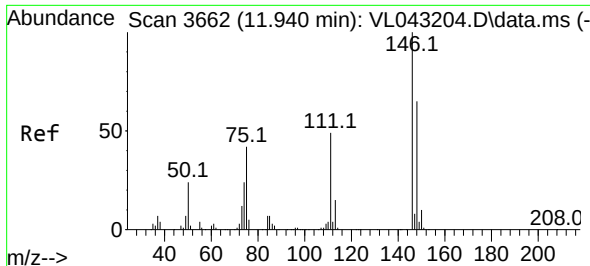
Tgt Ion:146 Resp: 1118
Ion Ratio Lower Upper
146 100
111 41.6 23.4 70.3
148 59.6 31.6 95.0



#76
1,4-Dichlorobenzene
Concen: 0.059 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:146 Resp: 1248
Ion Ratio Lower Upper
146 100
111 65.1 22.8 68.3
148 58.2 31.8 95.4

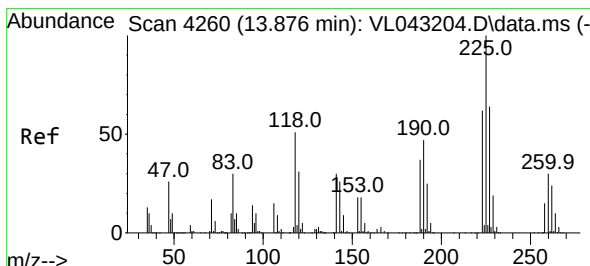
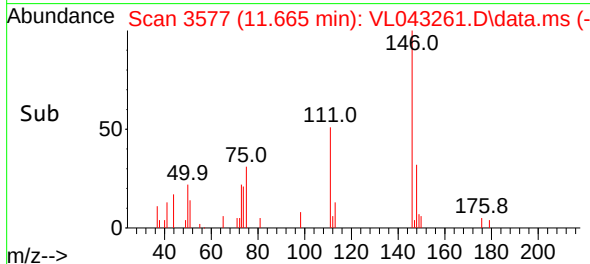
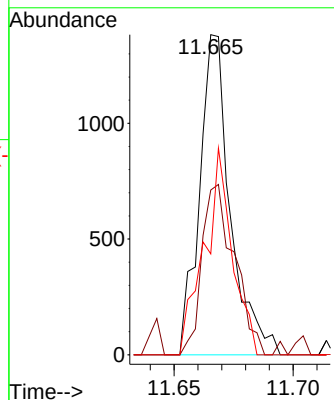
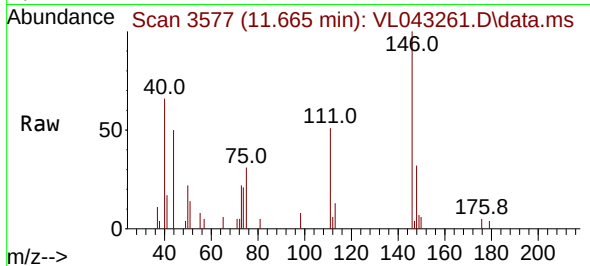




#77
1,2-Dichlorobenzene
Concen: 0.062 ppbv
RT: 11.665 min Scan# 311
Delta R.T. -0.275 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

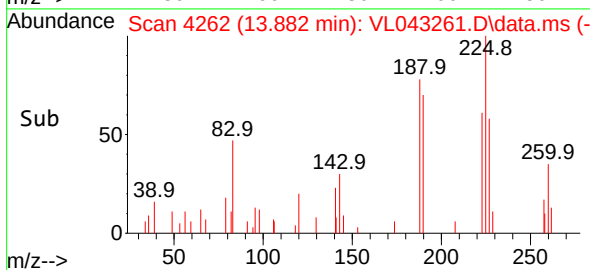
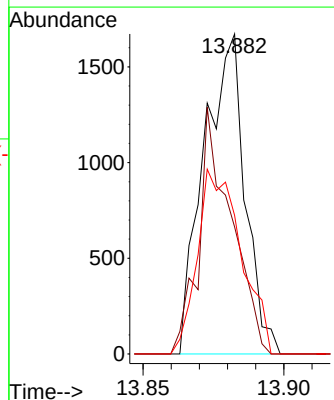
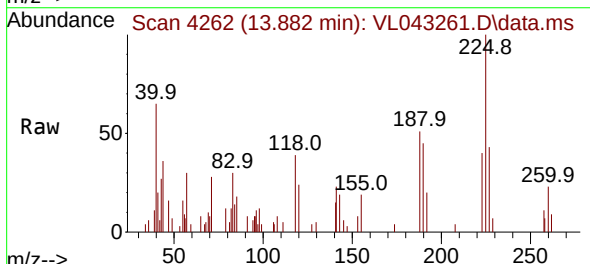
Instrument :
MSVOA_L
ClientSampleId :
SG-1

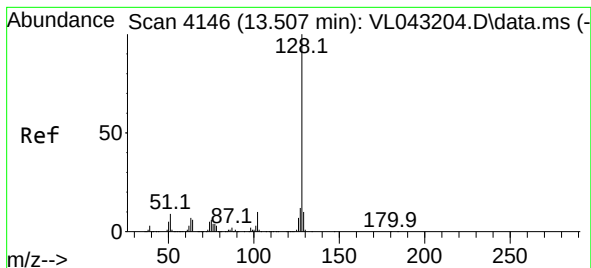
Tgt Ion:146	Resp:	1248	
Ion	Ratio	Lower	Upper
146	100		
111	60.5	24.3	73.0
148	58.2	31.6	94.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.100 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:225	Resp:	1697	
Ion	Ratio	Lower	Upper
225	100		
223	60.8	50.2	75.4
227	61.1	51.1	76.7





#79

Naphthalene

Concen: 0.136 ppbv

RT: 13.510 min Scan# 4146

Delta R.T. 0.003 min

Lab File: VL043261.D

Acq: 20 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

SG-1

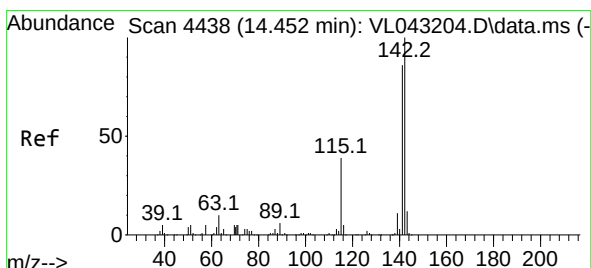
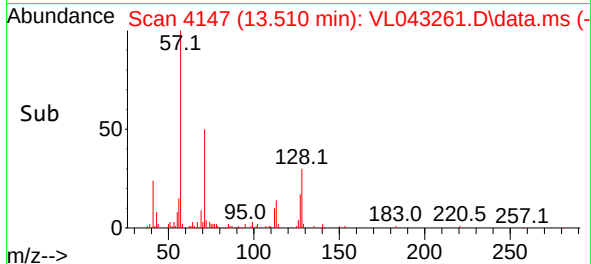
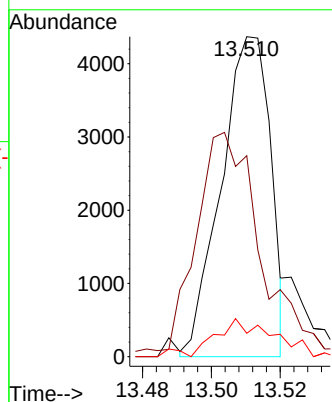
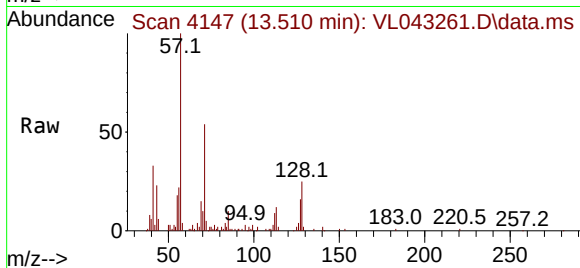
Tgt Ion:128 Resp: 4377

Ion Ratio Lower Upper

128 100

127 42.5 9.9 14.9#

129 5.5 8.4 12.6#



#80

Naphthalene,2-methyl-

Concen: 0.077 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.013 min

Lab File: VL043261.D

Acq: 20 Nov 2025 12:49

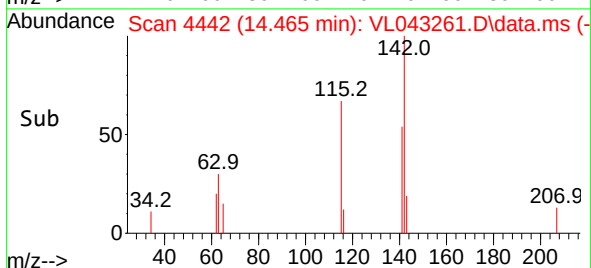
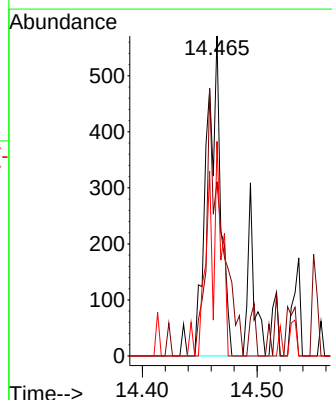
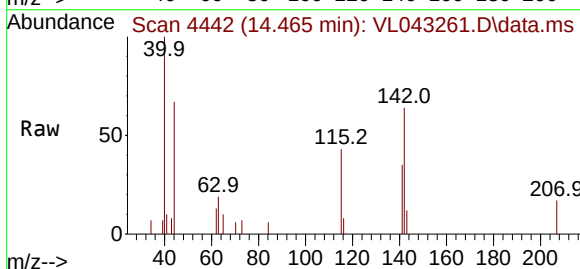
Tgt Ion:142 Resp: 652

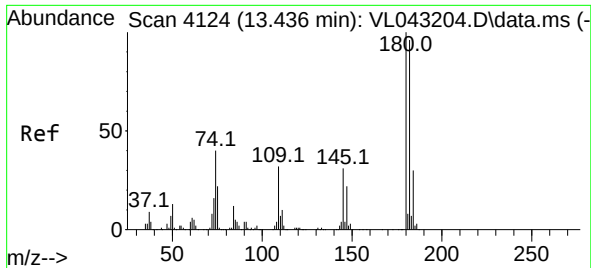
Ion Ratio Lower Upper

142 100

141 69.5 67.1 100.7

115 45.2 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 0.130 ppbv

RT: 13.436 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043261.D

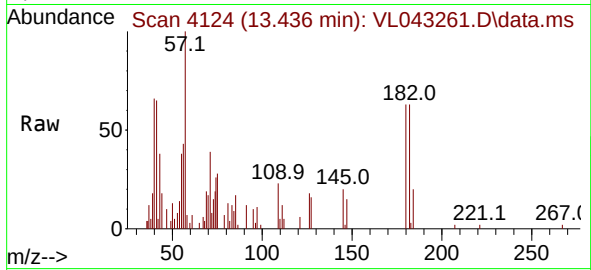
Acq: 20 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

SG-1



Tgt Ion:180 Resp: 1868

Ion Ratio Lower Upper

180 100

182 99.1 77.4 116.2

184 32.1 24.2 36.4

