

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043083.D
 Acq On : 09 Oct 2025 12:09
 Operator : SY/MD
 Sample : Q3320-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: Oct 09 22:13:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	181836	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	493969	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	418241	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.361	95	322719	10.711	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.100%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.492	85	13689	0.447	ppbv	98
3) Chlorodifluoromethane	1.619	51	1117	0.038	ppbv	97
4) Chloromethane	1.528	50	7370	0.658	ppbv	97
6) Bromomethane	1.664	94	232	0.049	ppbv #	66
7) Chloroethane	1.700	64	147	0.033	ppbv #	42
9) Propene	1.483	41	12110	1.013	ppbv #	77
11) Trichlorofluoromethane	1.871	101	7176	0.228	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.130	101	1747	0.070	ppbv	95
13) Ethanol	1.716	45	279631	644.253	ppbv	88
15) Acetone	1.829	43	177142	6.958	ppbv	99
16) 1,3-Butadiene	1.596	39	1746	0.166	ppbv #	61
17) tert-Butyl alcohol	2.036	59	4919	0.183	ppbv #	93
19) Isopropyl Alcohol	1.878	45	26869	2.203	ppbv #	1
20) Methylene Chloride	2.052	84	9689	0.872	ppbv	98
23) Vinyl Acetate	2.444	43	12255	2.267	ppbv #	91
25) Ethyl Acetate	2.813	43	11267	0.176	ppbv #	90
26) Hexane	2.816	57	12465	0.507	ppbv #	39
29) Chloroform	2.832	83	8469	0.202	ppbv	92
34) 2-Butanone	2.548	43	21887	0.653	ppbv	94
35) Carbon Tetrachloride	3.745	117	3705	0.091	ppbv #	84
36) Benzene	3.638	78	5219	0.111	ppbv #	87
38) Trichloroethene	4.528	130	833	0.042	ppbv #	51
39) 1,2-Dichloropropane	3.936	63	125106	7.152	ppbv #	23
40) 1,4-Dioxane	4.574	88	803	0.107	ppbv #	16
50) 4-Methyl-2-Pentanone	5.729	43	4802	0.117	ppbv #	39
51) 2-Hexanone	7.419	43	2860	0.098	ppbv #	79
52) Tetrachloroethene	8.199	164	879	0.050	ppbv #	65
53) Toluene	6.911	91	2372	0.050	ppbv #	1
57) Chlorobenzene	8.895	112	2853	0.065	ppbv #	83
58) Ethyl Benzene	9.338	91	2231	0.034	ppbv	90
59) m/p-Xylene	9.526	91	1725	0.032	ppbv #	30
60) o-Xylene	9.943	91	2976	0.055	ppbv	95
62) Isopropylbenzene	10.523	105	2773	0.033	ppbv #	88
64) n-propylbenzene	10.973	120	874	0.041	ppbv	92
65) tert-Butylbenzene	11.513	119	4962	0.067	ppbv	95
70) n-Butylbenzene	12.267	91	2513	0.031	ppbv	98
71) 2-Chlorotoluene	10.885	91	3916	0.065	ppbv	91
73) 1,3,5-Trimethylbenzene	11.189	105	2099	0.037	ppbv	98
75) 1,3-Dichlorobenzene	11.591	146	1731	0.042	ppbv	84
76) 1,4-Dichlorobenzene	11.659	146	1375	0.035	ppbv	90
77) 1,2-Dichlorobenzene	11.937	146	2573	0.063	ppbv	91
78) Hexachloro-1,3-Butadiene	13.863	225	4168	0.146	ppbv	99
79) Naphthalene	13.504	128	579	0.245	ppbv #	75

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043083.D
Acq On : 09 Oct 2025 12:09
Operator : SY/MD
Sample : Q3320-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

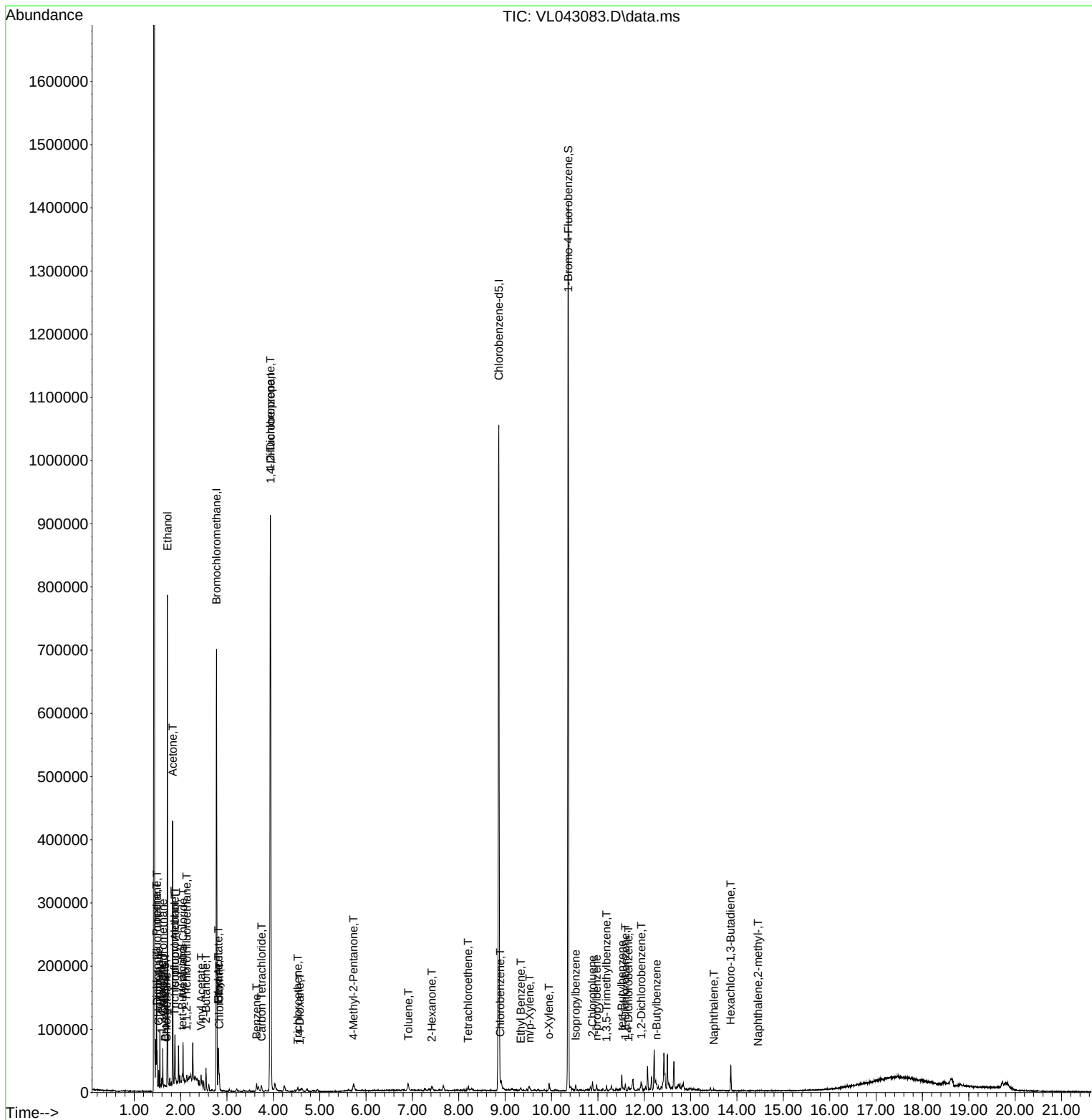
Instrument :
MSVOA_L
ClientSampleId :
IA1

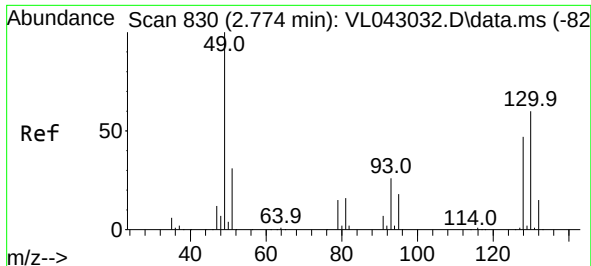
Quant Time: Oct 09 22:13:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	14.455	142	340	0.675	ppbv	# 82

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

Quant Time: Oct 09 22:13:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.774 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

IA1

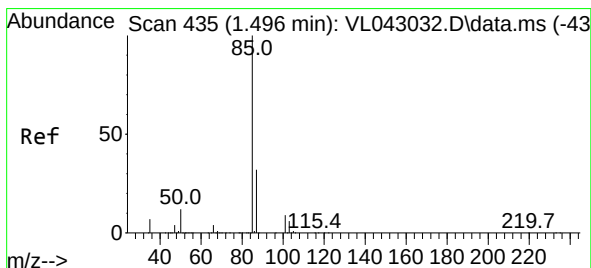
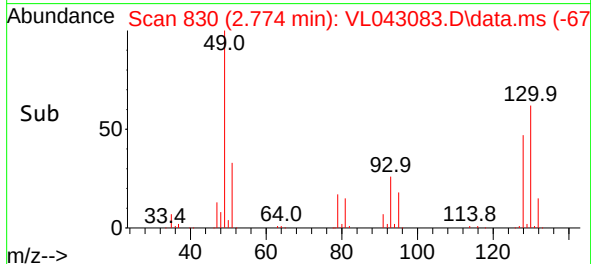
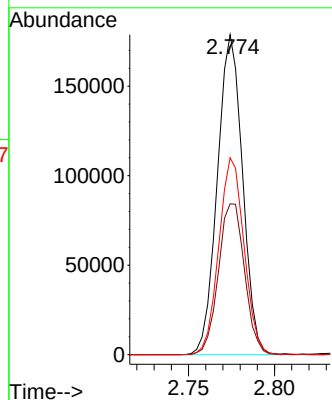
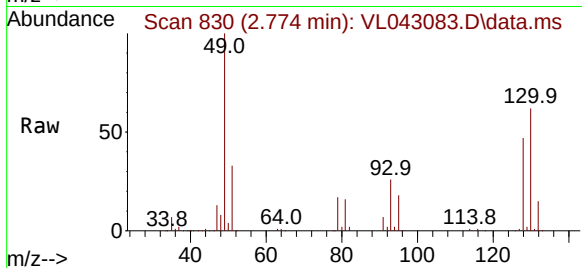
Tgt Ion: 49 Resp: 181836

Ion Ratio Lower Upper

49 100

128 49.0 24.1 72.2

130 61.8 31.4 94.3



#2

Dichlorodifluoromethane

Concen: 0.447 ppbv

RT: 1.492 min Scan# 434

Delta R.T. -0.003 min

Lab File: VL043083.D

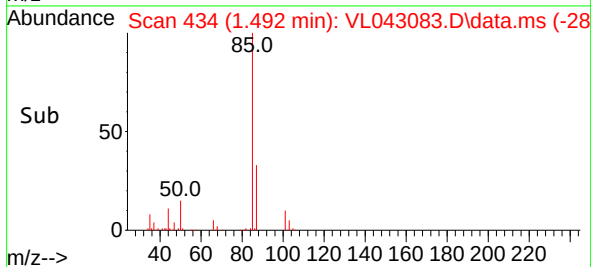
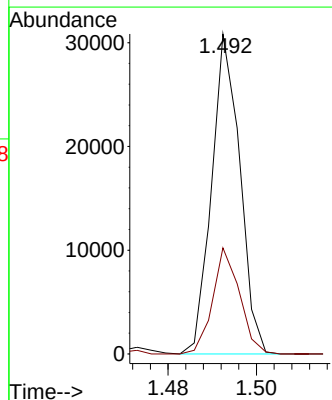
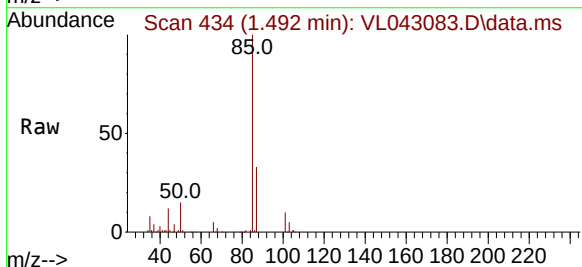
Acq: 09 Oct 2025 12:09

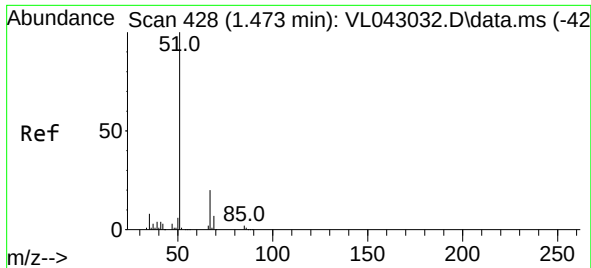
Tgt Ion: 85 Resp: 13689

Ion Ratio Lower Upper

85 100

87 33.1 25.8 38.6

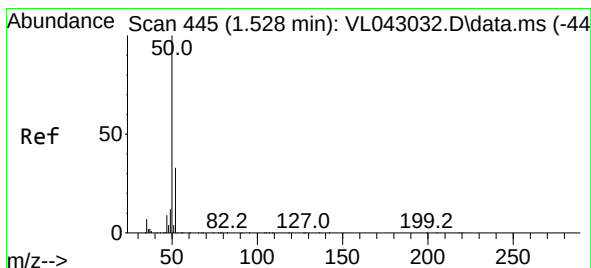
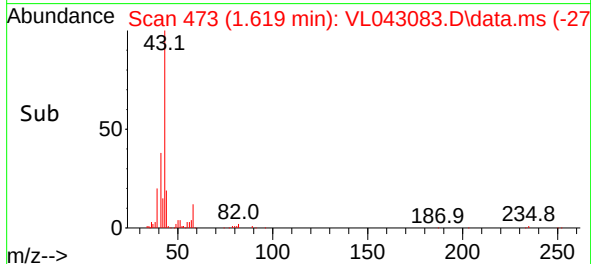
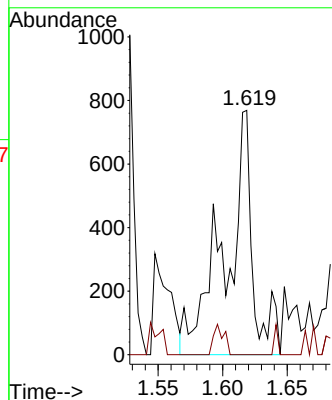
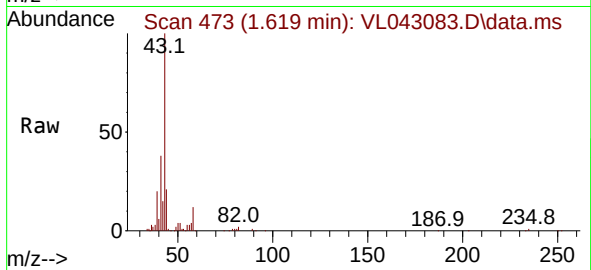




#3
Chlorodifluoromethane
Concen: 0.038 ppbv
RT: 1.619 min Scan# 41
Delta R.T. 0.146 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

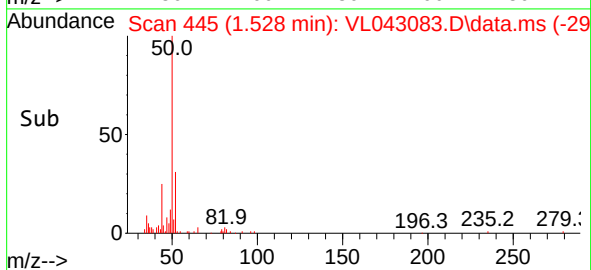
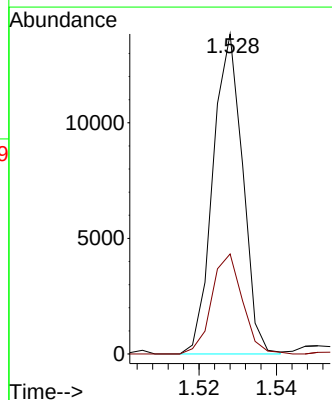
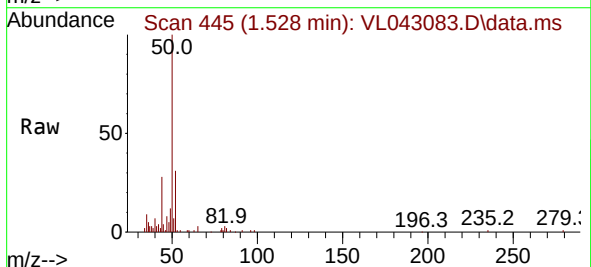
Instrument :
MSVOA_L
ClientSampleId :
IA1

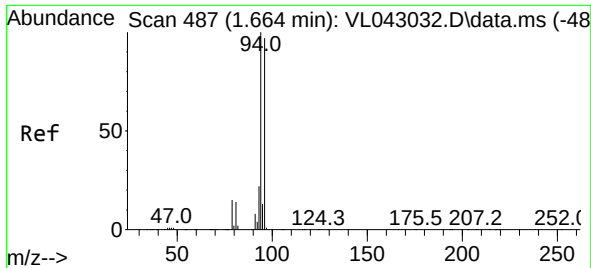
Tgt Ion: 51 Resp: 1117
Ion Ratio Lower Upper
51 100
67 17.5 15.1 22.7



#4
Chloromethane
Concen: 0.658 ppbv
RT: 1.528 min Scan# 445
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 50 Resp: 7370
Ion Ratio Lower Upper
50 100
52 31.3 26.2 39.2

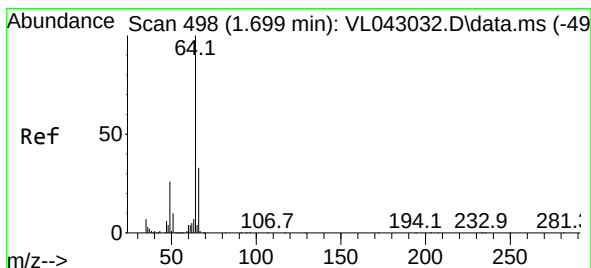
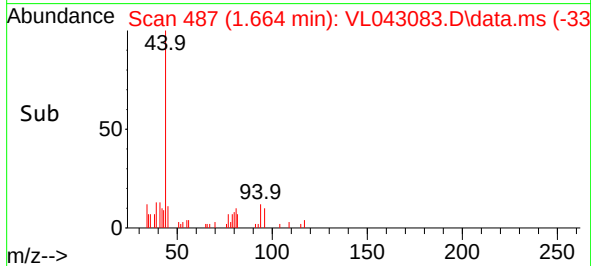
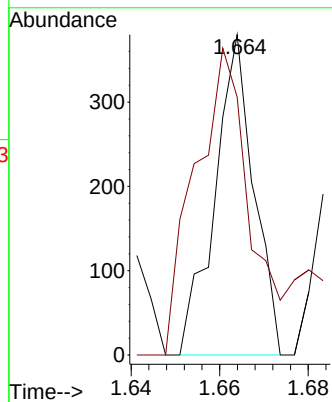
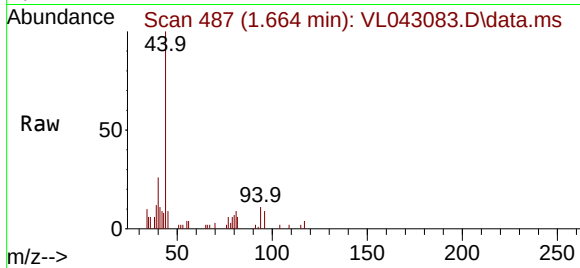




#6
Bromomethane
Concen: 0.049 ppbv
RT: 1.664 min Scan# 487
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

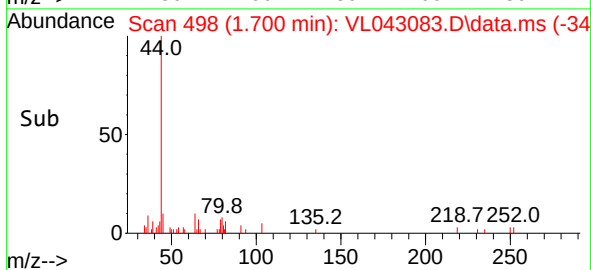
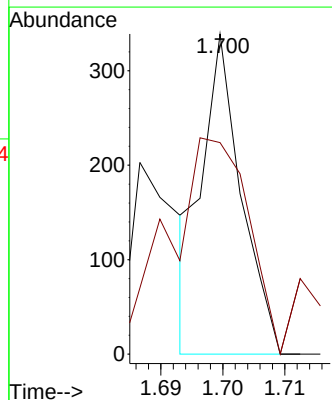
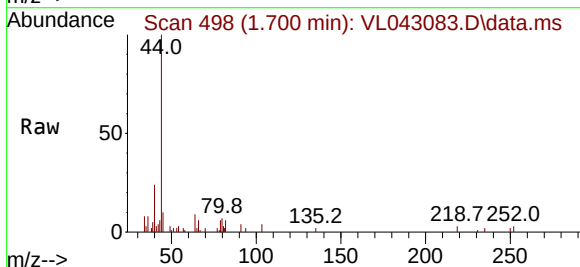
Instrument :
MSVOA_L
ClientSampleId :
IA1

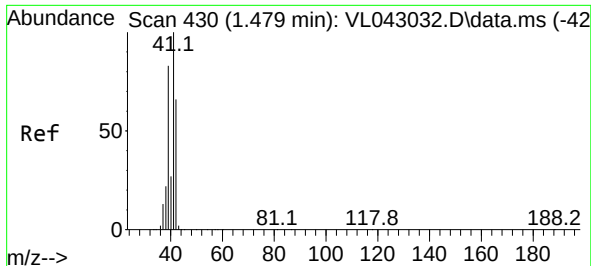
Tgt Ion: 94 Resp: 232
Ion Ratio Lower Upper
94 100
96 63.4 77.6 116.4#



#7
Chloroethane
Concen: 0.033 ppbv
RT: 1.700 min Scan# 498
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 66.1 26.6 39.8#





#9

Propene

Concen: 1.013 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

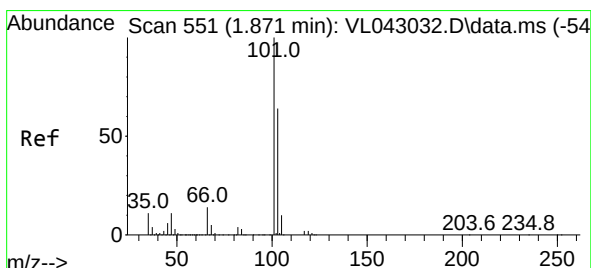
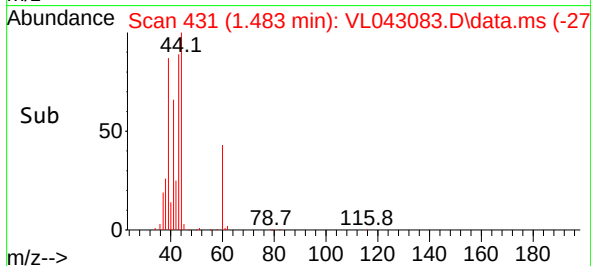
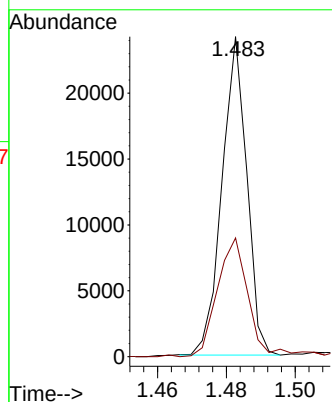
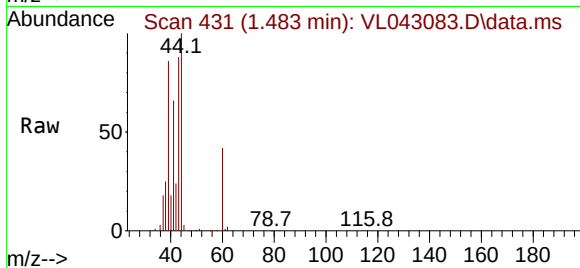
IA1

Tgt Ion: 41 Resp: 12110

Ion Ratio Lower Upper

41 100

42 48.0 53.3 79.9#



#11

Trichlorofluoromethane

Concen: 0.228 ppbv

RT: 1.871 min Scan# 551

Delta R.T. 0.000 min

Lab File: VL043083.D

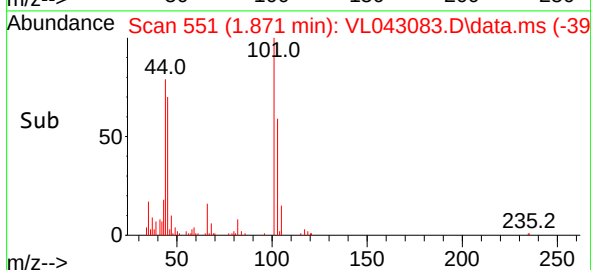
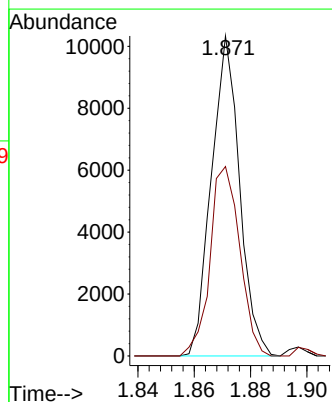
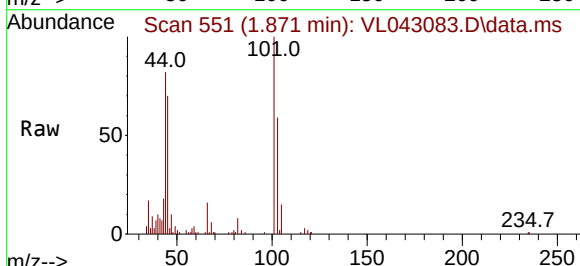
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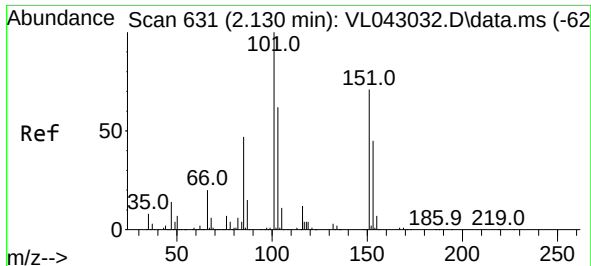
Tgt Ion: 101 Resp: 7176

Ion Ratio Lower Upper

101 100

103 59.2 51.1 76.7

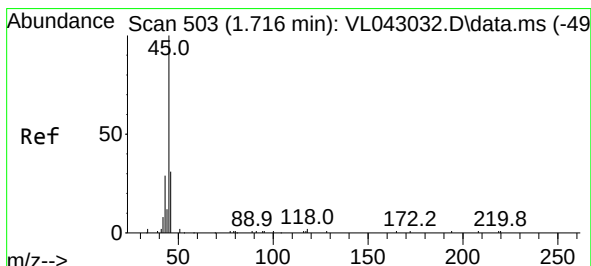
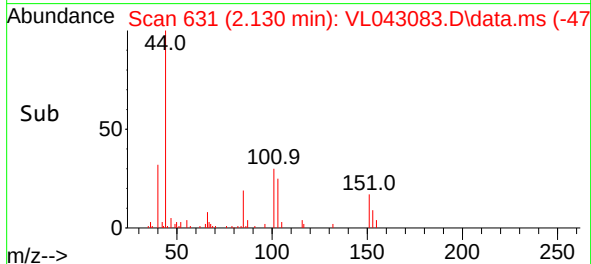
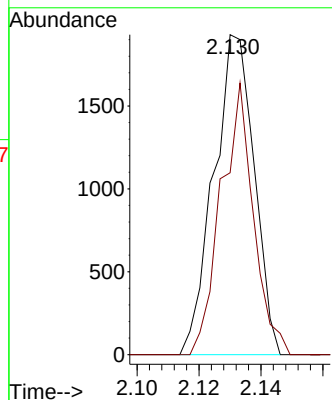
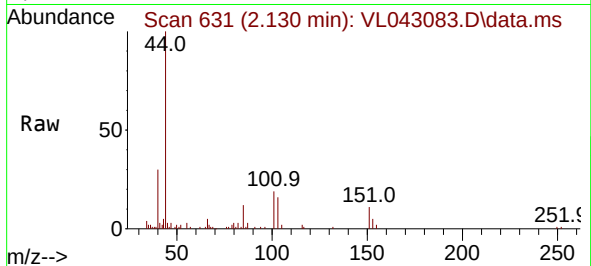




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.070 ppbv
 RT: 2.130 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL043083.D
 Acq: 09 Oct 2025 12:09

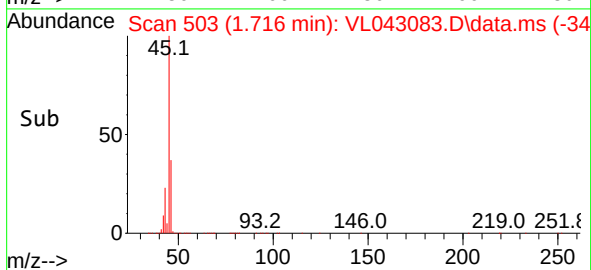
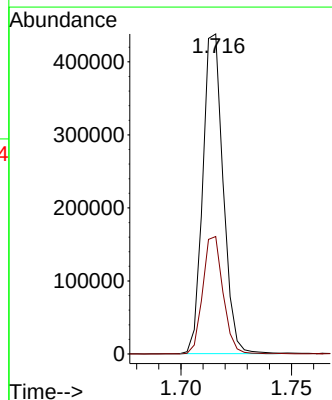
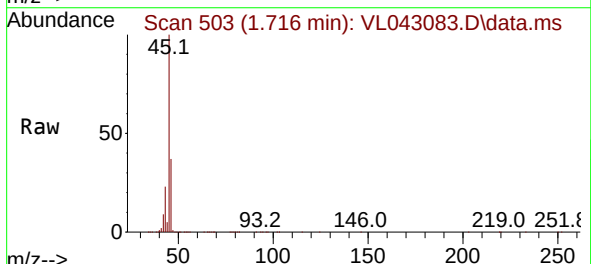
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

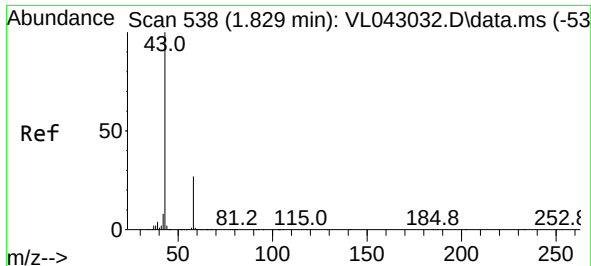
Tgt Ion:101 Resp: 1747
 Ion Ratio Lower Upper
 101 100
 151 68.1 58.1 87.1



#13
 Ethanol
 Concen: 644.253 ppbv
 RT: 1.716 min Scan# 503
 Delta R.T. -0.000 min
 Lab File: VL043083.D
 Acq: 09 Oct 2025 12:09

Tgt Ion: 45 Resp: 279631
 Ion Ratio Lower Upper
 45 100
 46 36.9 17.8 71.4

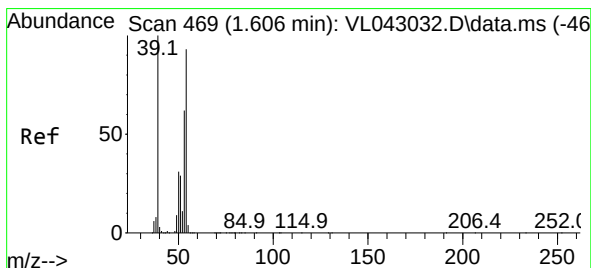
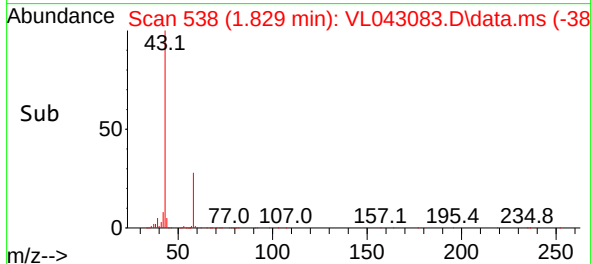
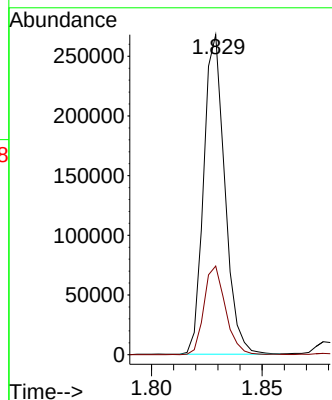
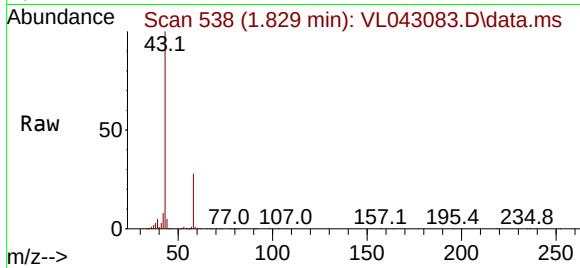




#15
Acetone
Concen: 6.958 ppbv
RT: 1.829 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

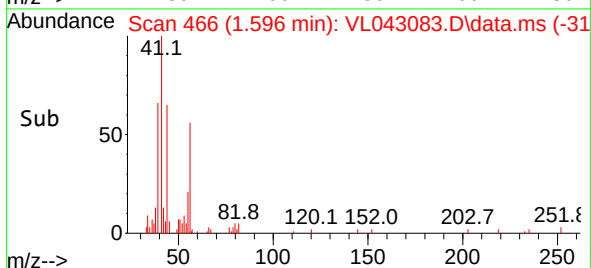
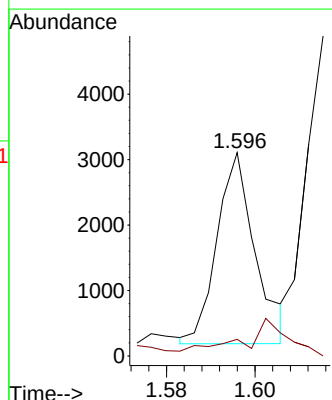
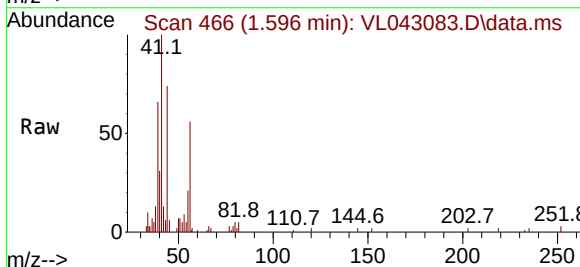
Instrument :
MSVOA_L
ClientSampleId :
IA1

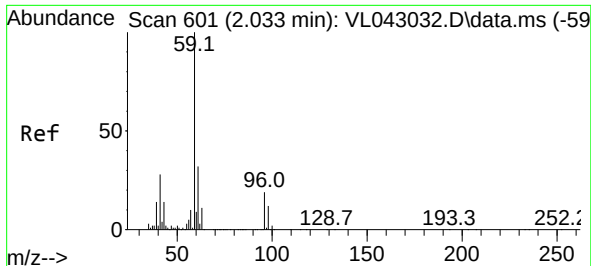
Tgt Ion: 43 Resp: 177142
Ion Ratio Lower Upper
43 100
58 28.3 22.2 33.4



#16
1,3-Butadiene
Concen: 0.166 ppbv
RT: 1.596 min Scan# 466
Delta R.T. -0.010 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 39 Resp: 1746
Ion Ratio Lower Upper
39 100
54 42.7 61.4 92.2#





#17

tert-Butyl alcohol

Concen: 0.183 ppbv

RT: 2.036 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Instrument :

MSVOA_1

ClientSampleId :

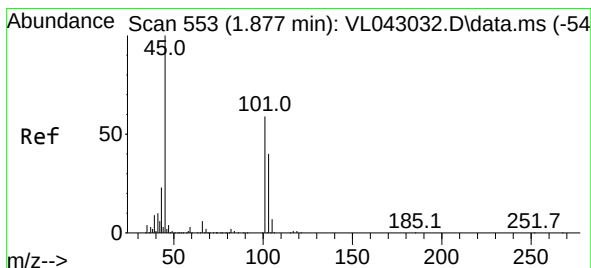
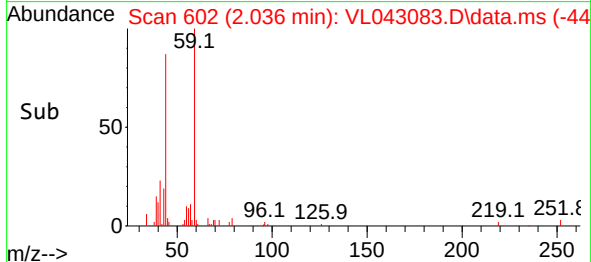
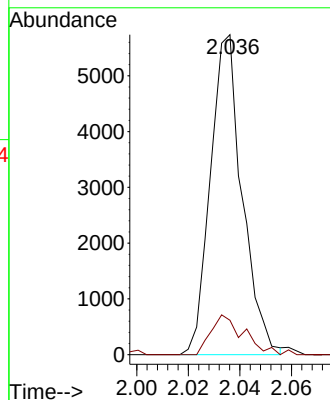
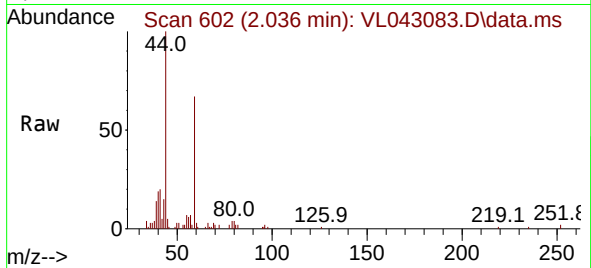
IA1

Tgt Ion: 59 Resp: 4919

Ion Ratio Lower Upper

59 100

57 13.1 8.5 12.7#



#19

Isopropyl Alcohol

Concen: 2.203 ppbv

RT: 1.878 min Scan# 553

Delta R.T. 0.000 min

Lab File: VL043083.D

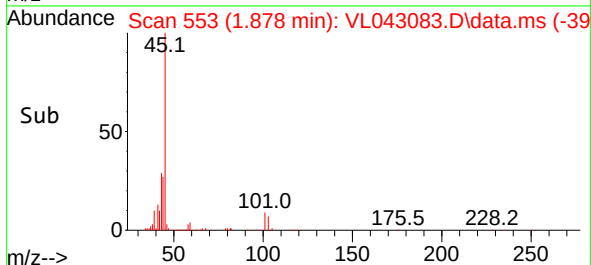
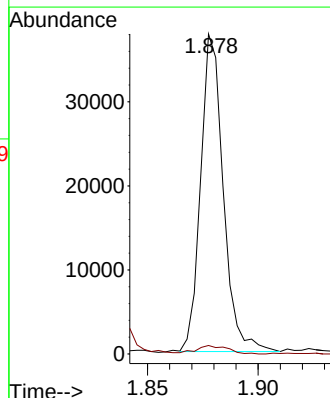
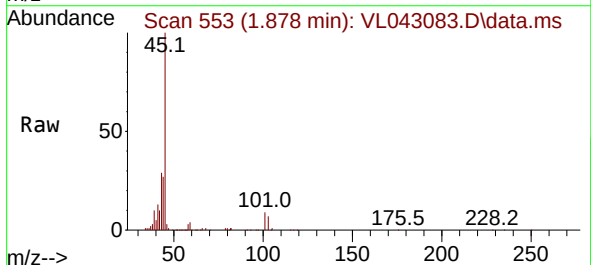
Acq: 09 Oct 2025 12:09

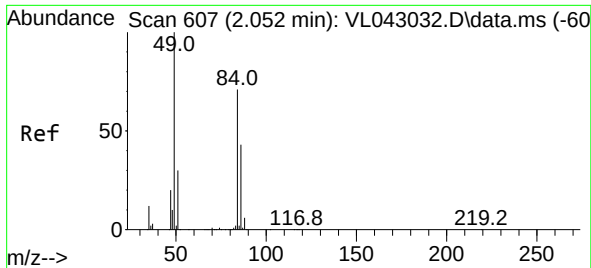
Tgt Ion: 45 Resp: 26869

Ion Ratio Lower Upper

45 100

58 186.6 42.3 63.5#



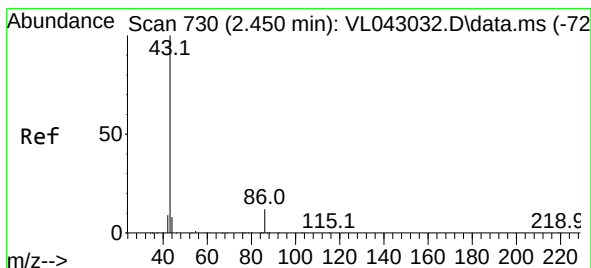
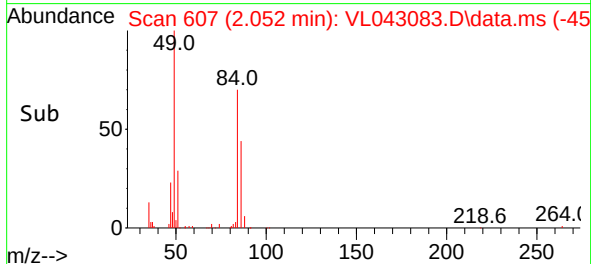
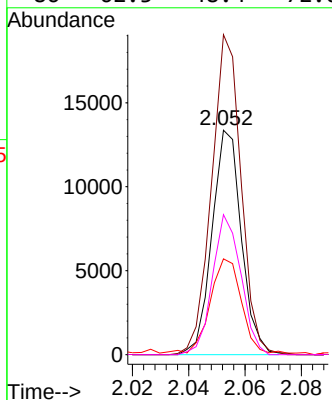
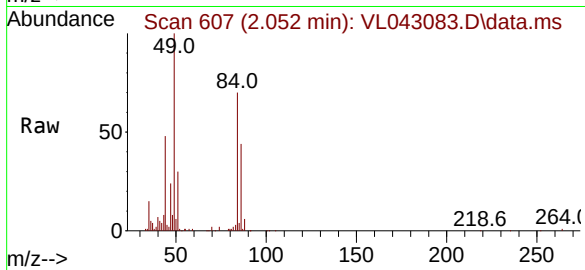


#20
Methylene Chloride
Concen: 0.872 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 84 Resp: 9689

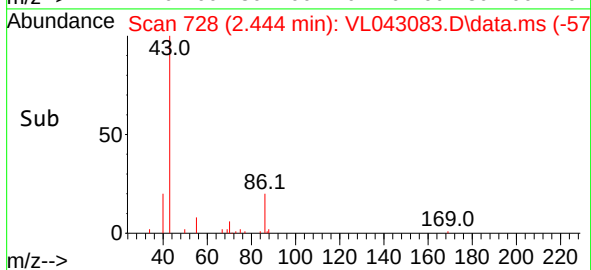
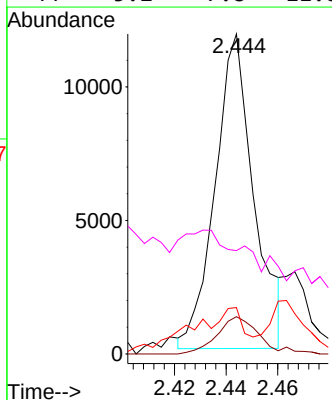
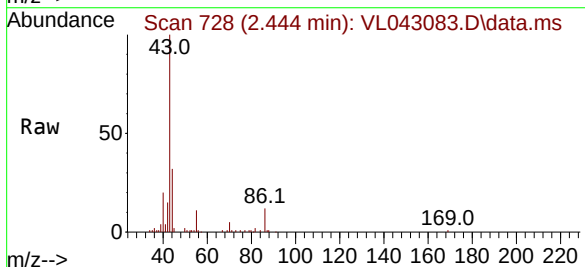
Ion	Ratio	Lower	Upper
84	100		
49	141.6	112.5	168.7
51	41.1	34.2	51.2
86	62.3	48.4	72.6

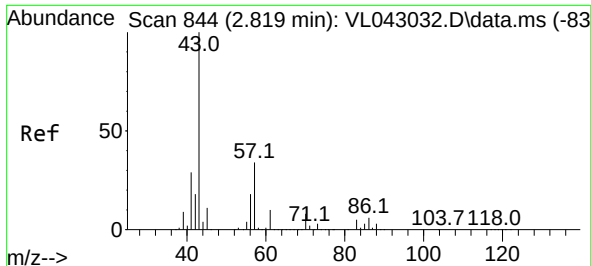


#23
Vinyl Acetate
Concen: 2.267 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.006 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 43 Resp: 12255

Ion	Ratio	Lower	Upper
43	100		
86	12.3	7.5	11.3#
42	7.8	8.4	12.6#
44	5.2	7.8	11.8#

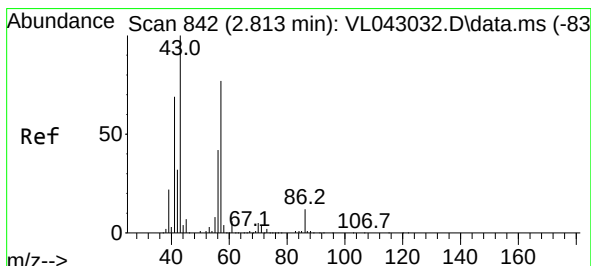
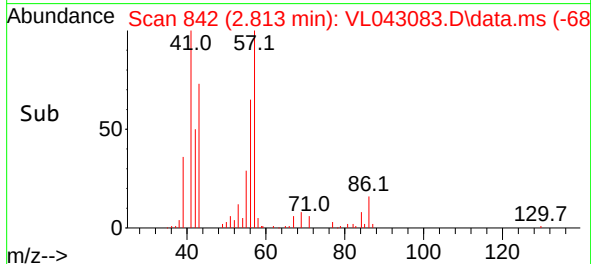
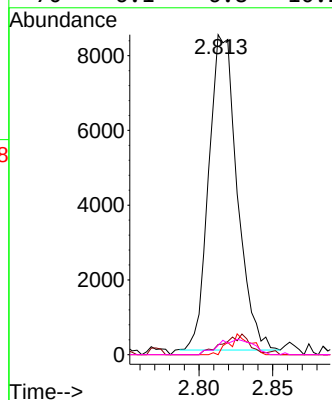
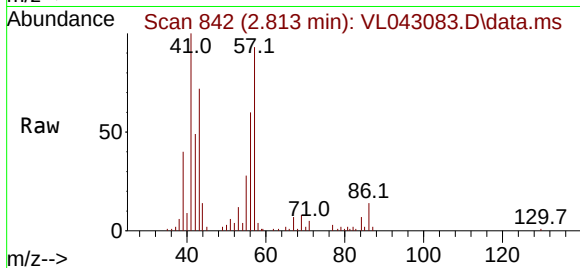




#25
Ethyl Acetate
Concen: 0.176 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.006 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

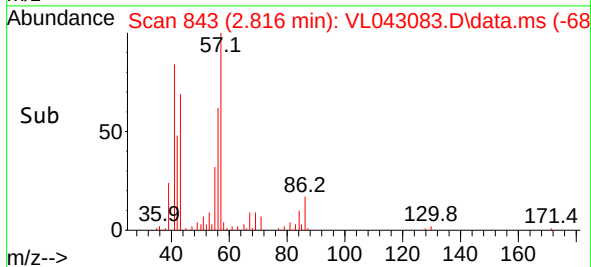
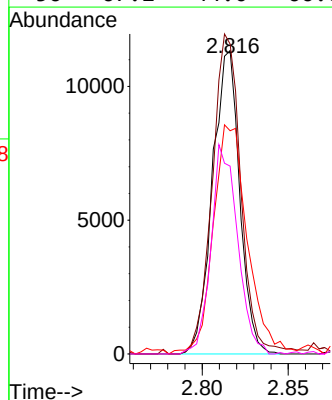
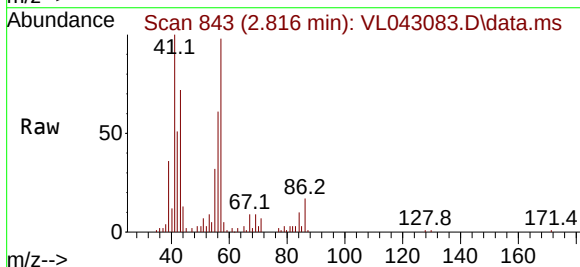
Instrument :
MSVOA_L
ClientSampleId :
IA1

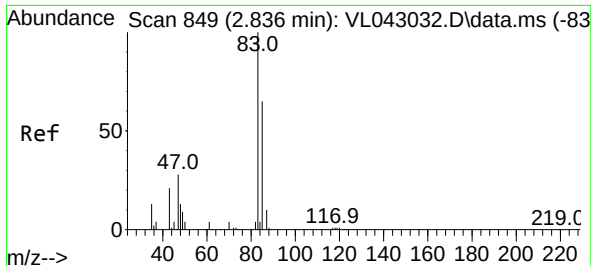
Tgt Ion: 43	Resp: 11267
Ion Ratio	Lower Upper
43 100	
45 6.5	8.3 12.5#
61 4.9	7.5 11.3#
70 6.1	6.8 10.2#



#26
Hexane
Concen: 0.507 ppbv
RT: 2.816 min Scan# 843
Delta R.T. 0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 57	Resp: 12465
Ion Ratio	Lower Upper
57 100	
41 111.3	76.1 114.1
43 98.9	201.4 302.0#
56 67.2	44.0 66.0#





#29

Chloroform

Concen: 0.202 ppbv

RT: 2.832 min Scan# 849

Delta R.T. -0.003 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

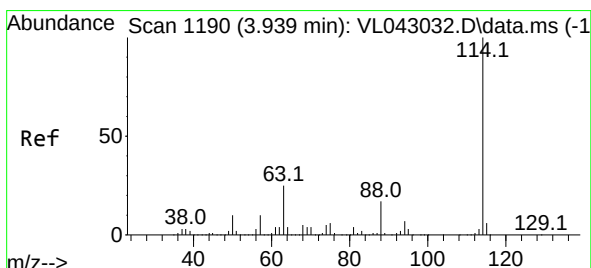
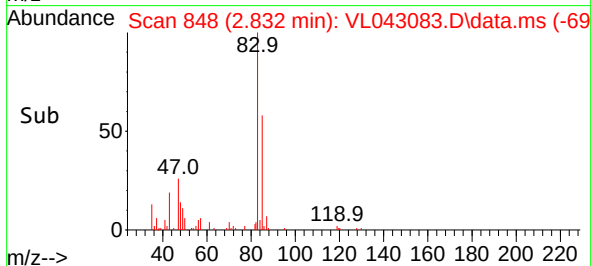
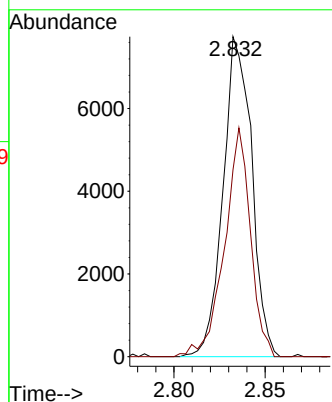
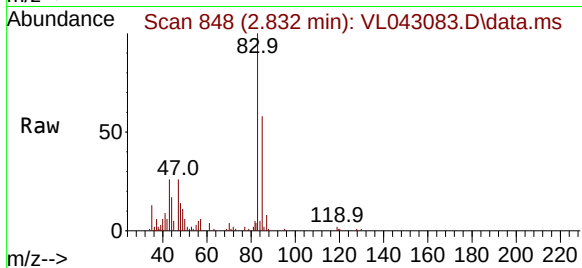
IA1

Tgt Ion: 83 Resp: 8469

Ion Ratio Lower Upper

83 100

85 58.4 52.0 78.0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.939 min Scan# 1190

Delta R.T. 0.000 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

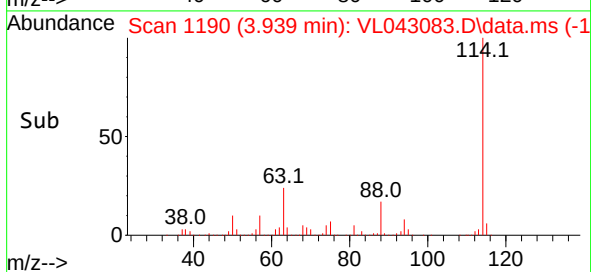
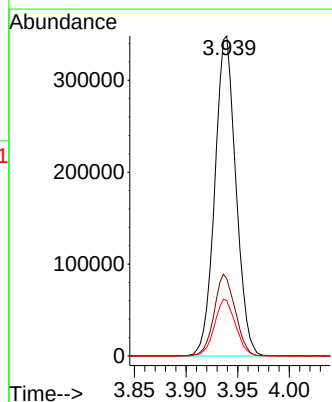
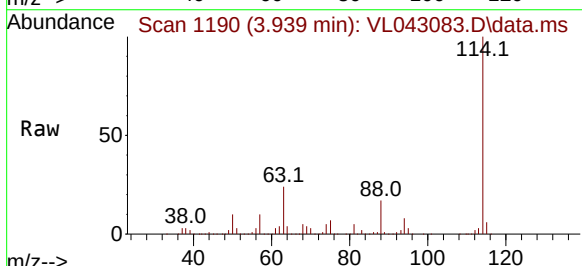
Tgt Ion: 114 Resp: 493969

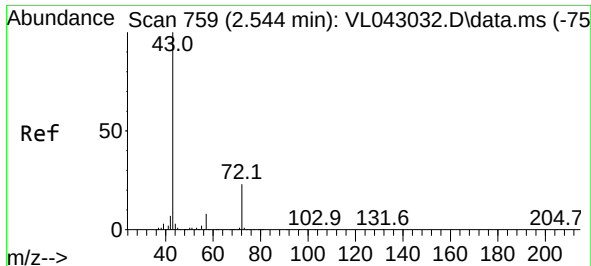
Ion Ratio Lower Upper

114 100

63 25.6 19.4 29.2

88 17.7 13.9 20.9

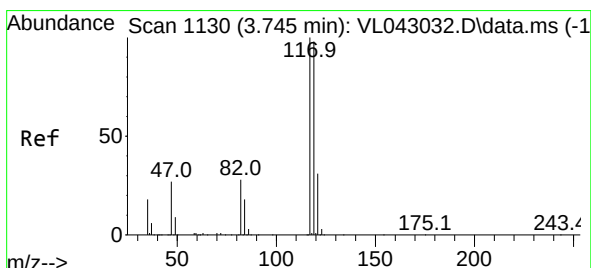
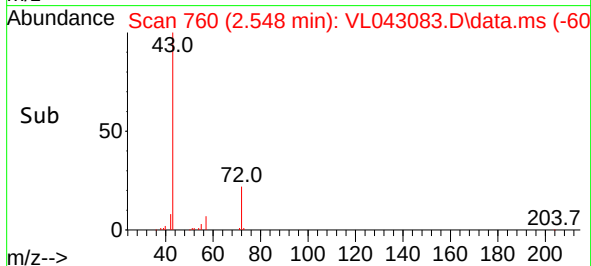
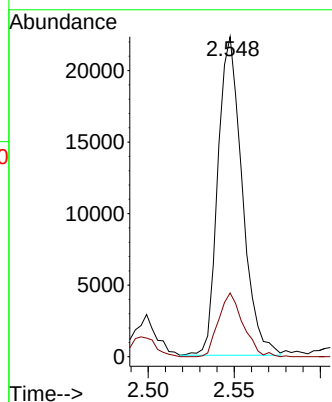
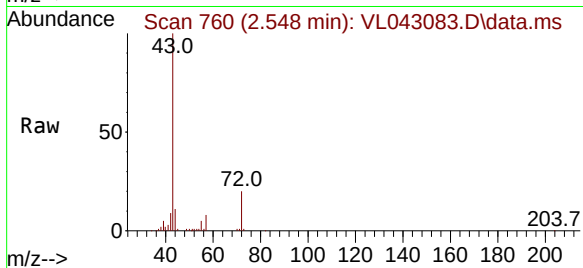




#34
2-Butanone
Concen: 0.653 ppbv
RT: 2.548 min Scan# 759
Delta R.T. 0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

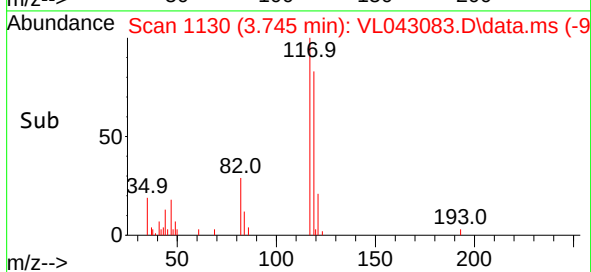
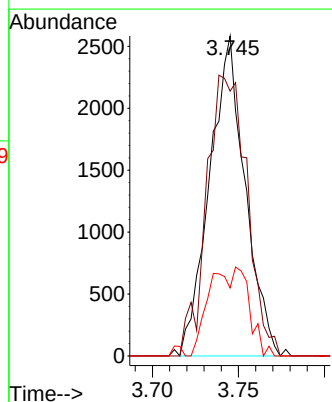
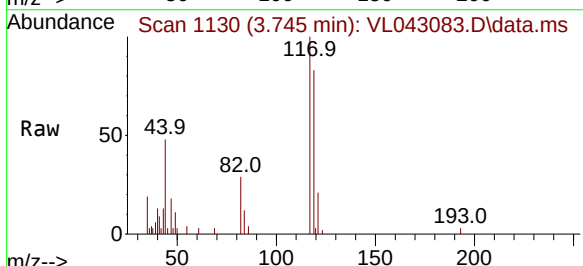
Instrument :
MSVOA_L
ClientSampleId :
IA1

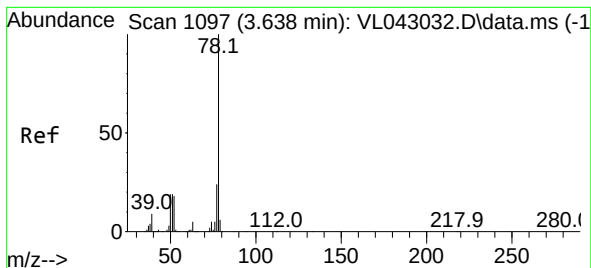
Tgt Ion: 43 Resp: 21887
Ion Ratio Lower Upper
43 100
72 20.3 18.4 27.6



#35
Carbon Tetrachloride
Concen: 0.091 ppbv
RT: 3.745 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 117 Resp: 3705
Ion Ratio Lower Upper
117 100
119 82.7 78.2 117.4
121 21.2 24.8 37.2#





#36

Benzene

Concen: 0.111 ppbv

RT: 3.638 min Scan# 1097

Delta R.T. 0.000 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

IA1

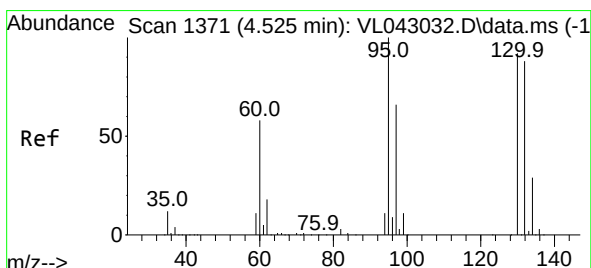
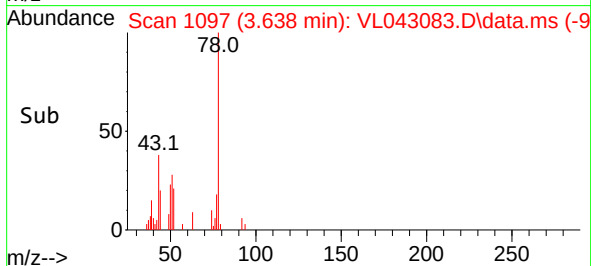
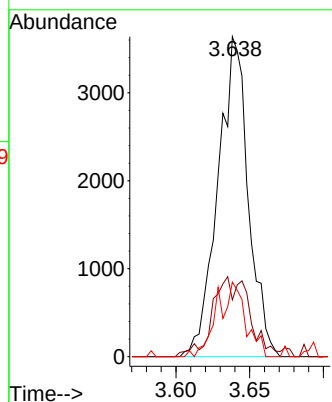
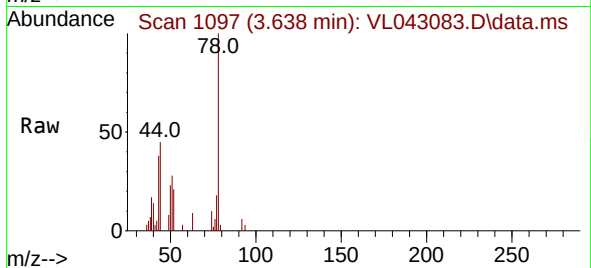
Tgt Ion: 78 Resp: 5219

Ion Ratio Lower Upper

78 100

77 16.4 19.2 28.8#

50 23.3 14.9 22.3#



#38

Trichloroethene

Concen: 0.042 ppbv

RT: 4.528 min Scan# 1372

Delta R.T. 0.003 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Tgt Ion:130 Resp: 833

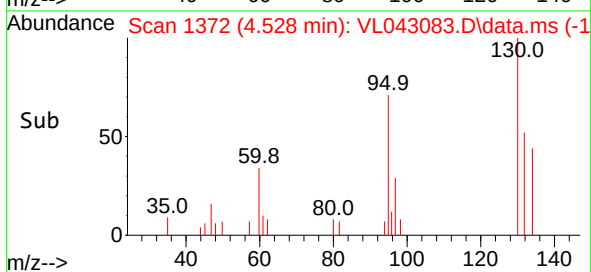
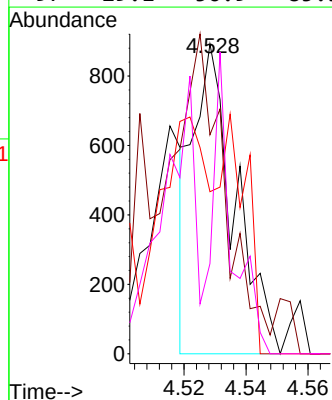
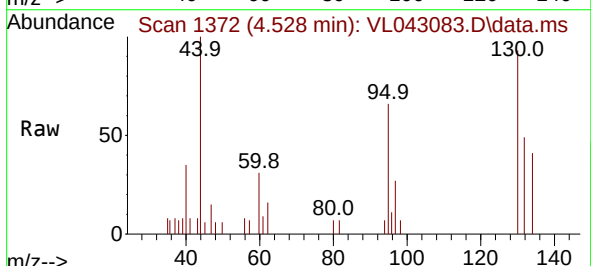
Ion Ratio Lower Upper

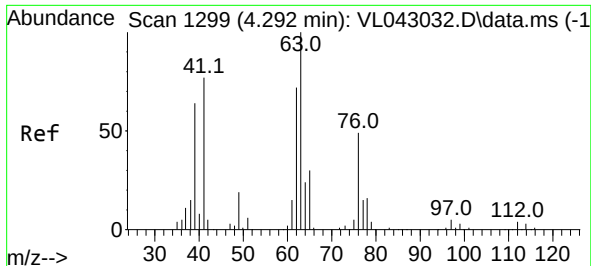
130 100

95 52.9 86.4 129.6#

132 52.4 75.7 113.5#

97 29.1 56.9 85.3#





#39

1,2-Dichloropropane

Concen: 7.152 ppbv

RT: 3.936 min Scan# 1189

Delta R.T. -0.356 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

IA1

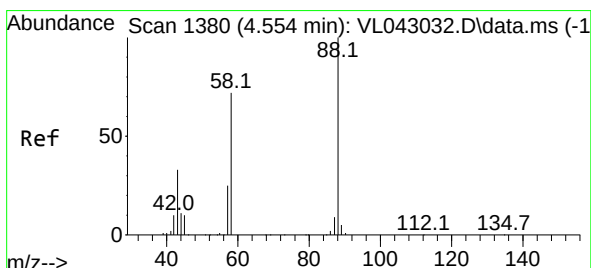
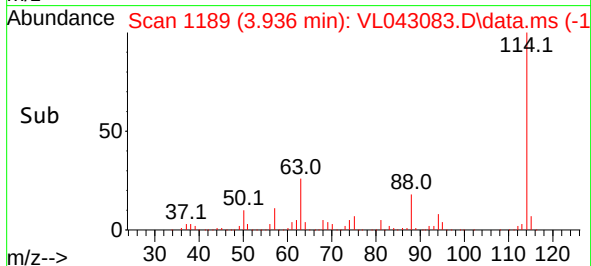
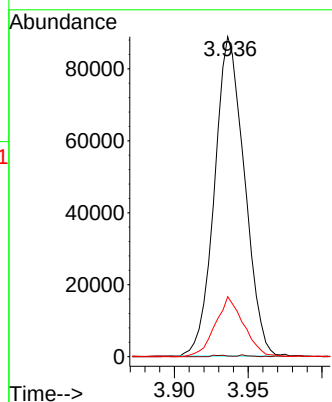
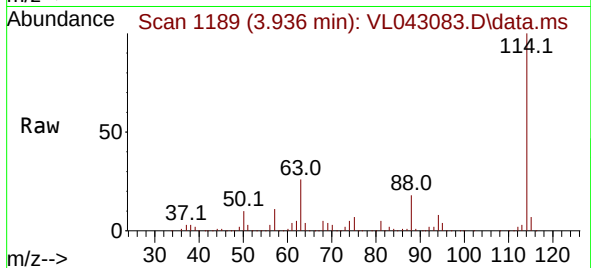
Tgt Ion: 63 Resp: 125106

Ion Ratio Lower Upper

63 100

41 0.2 61.6 92.4#

62 18.8 58.1 87.1#



#40

1,4-Dioxane

Concen: 0.107 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. 0.019 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Tgt Ion: 88 Resp: 803

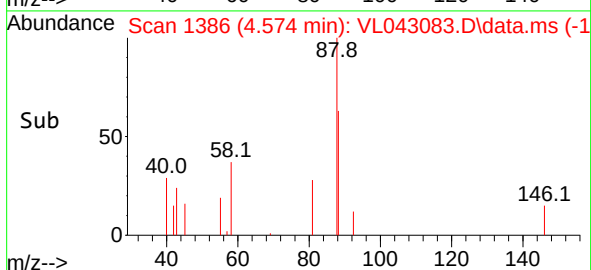
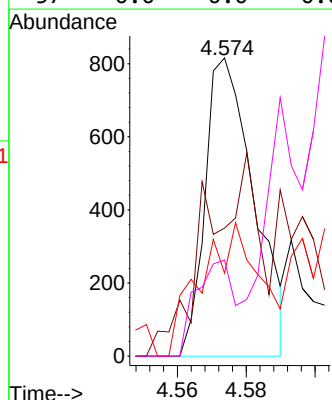
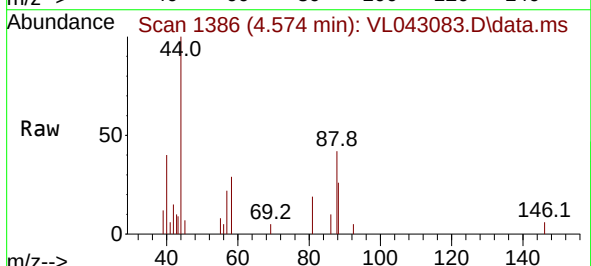
Ion Ratio Lower Upper

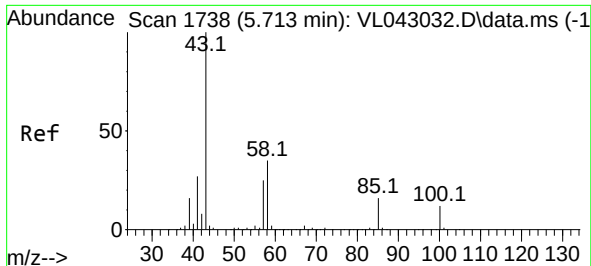
88 100

58 139.6 56.2 84.2#

43 78.7 25.7 38.5#

57 0.0 0.0 0.0





#50

4-Methyl-2-Pentanone

Concen: 0.117 ppbv

RT: 5.729 min Scan# 1

Delta R.T. 0.016 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

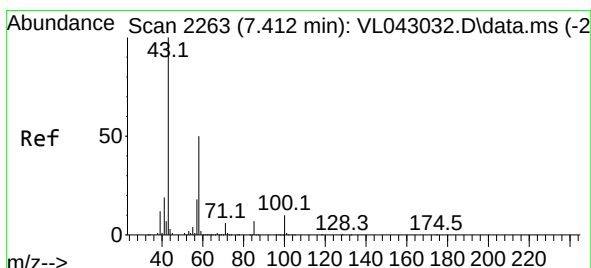
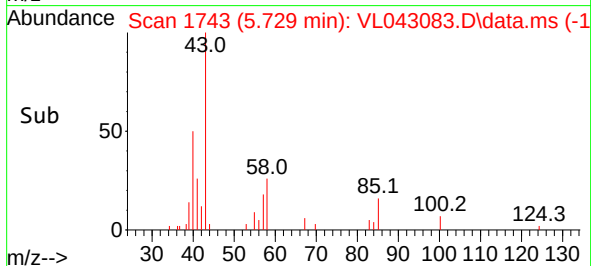
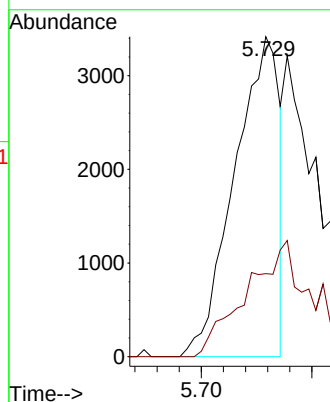
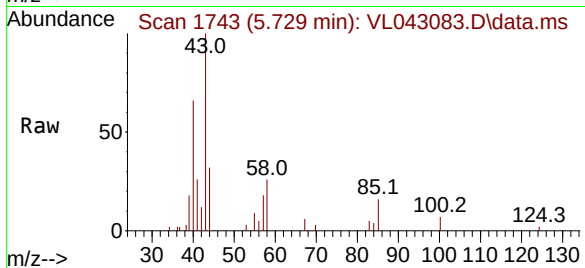
IA1

Tgt Ion: 43 Resp: 4802

Ion Ratio Lower Upper

43 100

58 0.0 28.7 43.1#



#51

2-Hexanone

Concen: 0.098 ppbv

RT: 7.419 min Scan# 2265

Delta R.T. 0.007 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

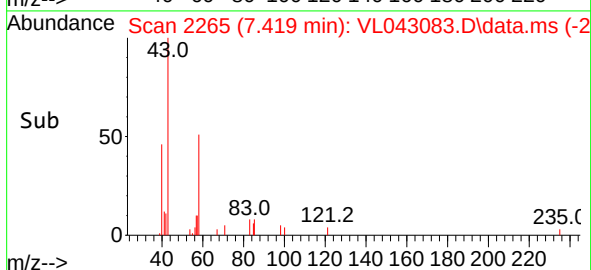
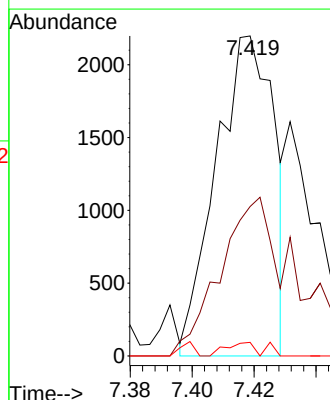
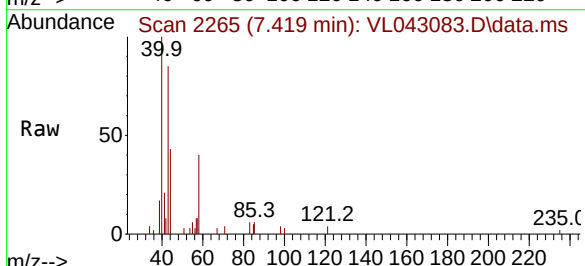
Tgt Ion: 43 Resp: 2860

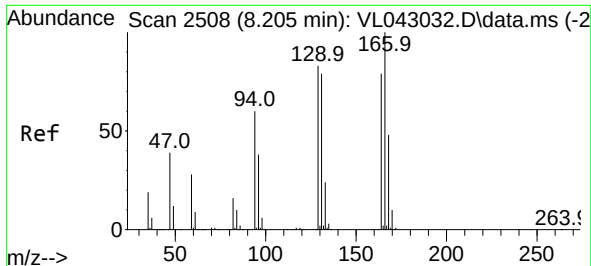
Ion Ratio Lower Upper

43 100

58 63.2 39.1 58.7#

98 0.0 0.5 0.7#

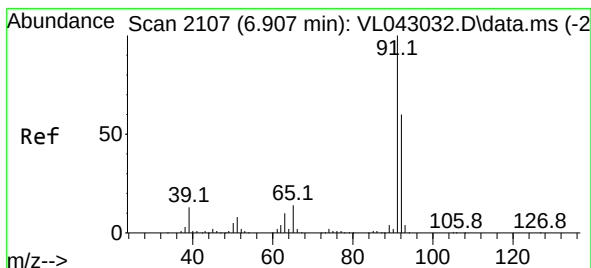
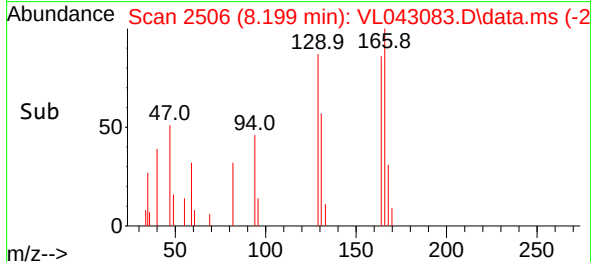
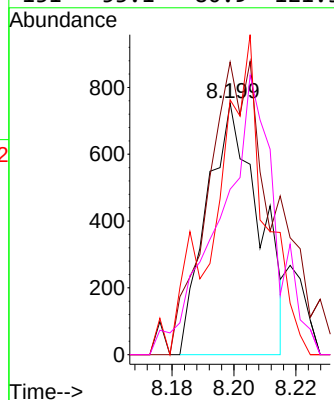
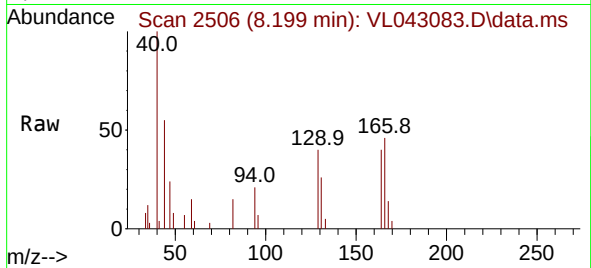




#52
Tetrachloroethene
Concen: 0.050 ppbv
RT: 8.199 min Scan# 2108
Delta R.T. -0.006 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

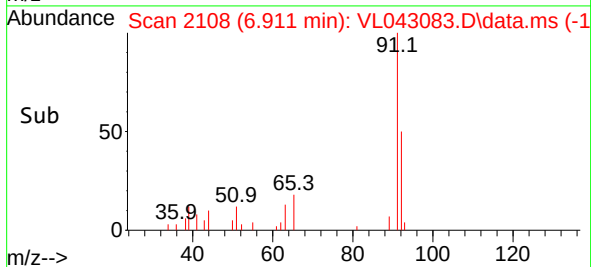
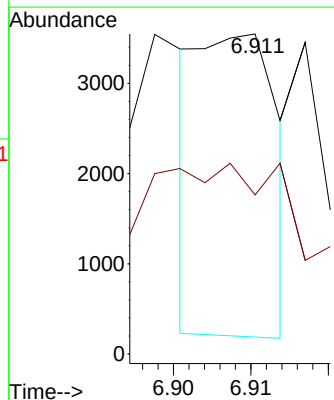
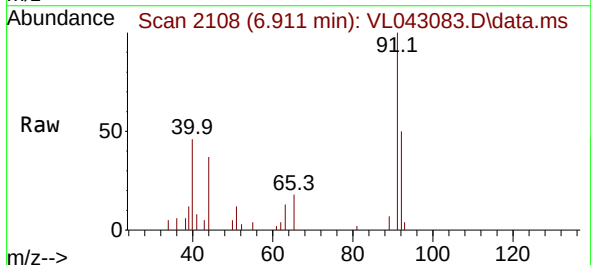
Instrument :
MSVOA_L
ClientSampleId :
IA1

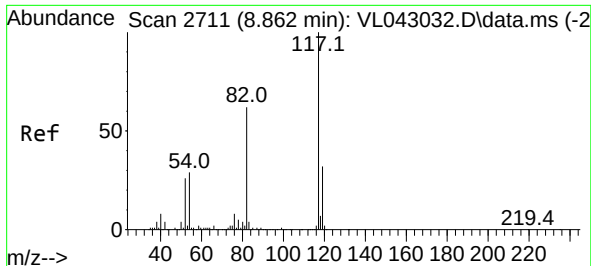
Tgt Ion:164 Resp: 879
Ion Ratio Lower Upper
164 100
166 93.4 101.8 152.8#
129 74.8 84.5 126.7#
131 53.1 80.9 121.3#



#53
Toluene
Concen: 0.050 ppbv
RT: 6.911 min Scan# 2108
Delta R.T. 0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 91 Resp: 2372
Ion Ratio Lower Upper
91 100
92 181.3 47.8 71.6#

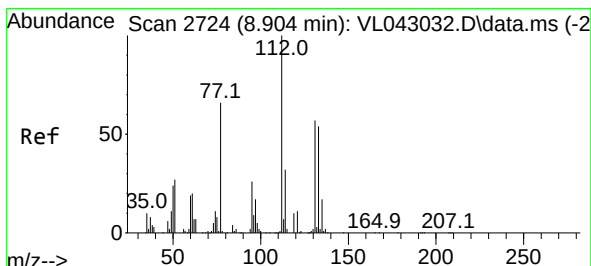
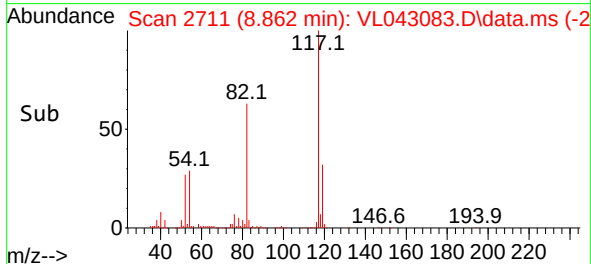
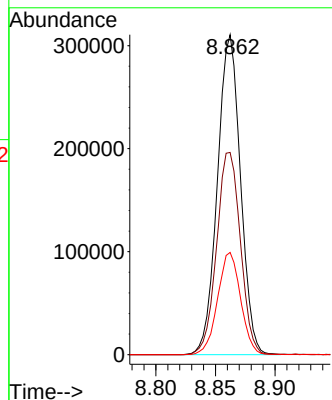
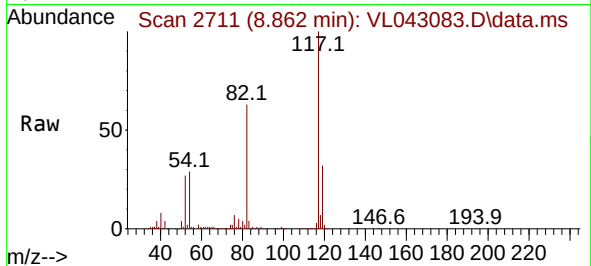




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

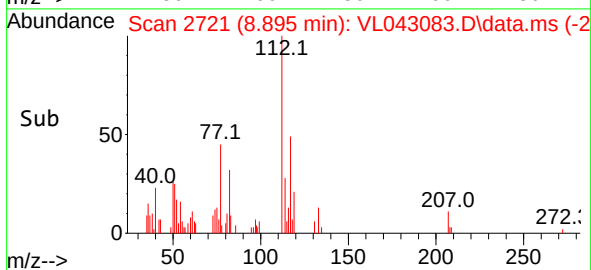
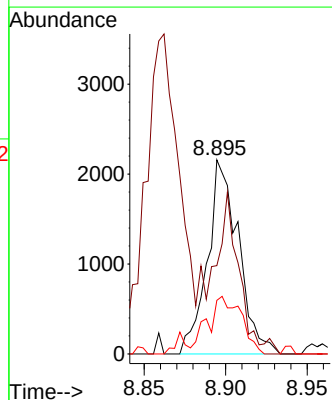
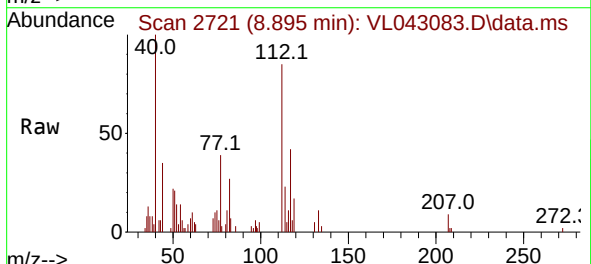
Instrument :
MSVOA_L
ClientSampleId :
IA1

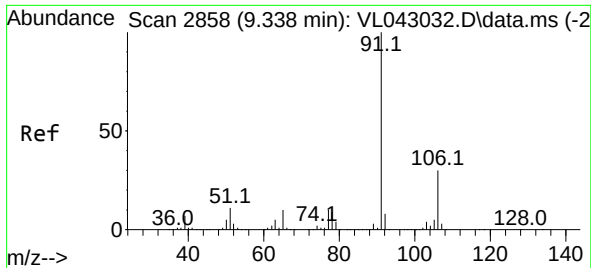
Tgt Ion:117 Resp: 418241
Ion Ratio Lower Upper
117 100
82 65.2 53.0 79.6
119 31.9 25.4 38.2



#57
Chlorobenzene
Concen: 0.065 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. -0.010 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion:112 Resp: 2853
Ion Ratio Lower Upper
112 100
77 49.3 53.2 79.8#
114 27.6 28.6 35.0#

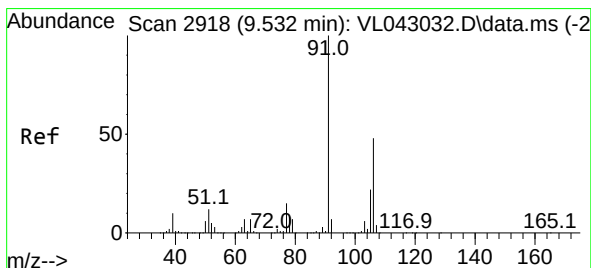
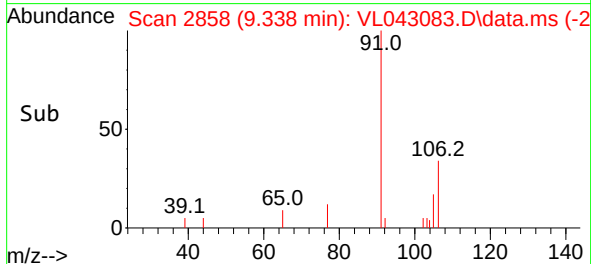
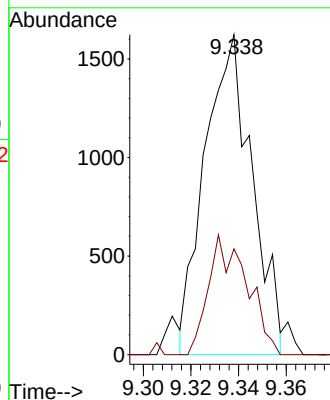
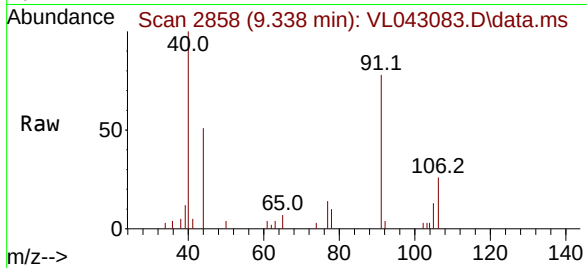




#58
Ethyl Benzene
Concen: 0.034 ppbv
RT: 9.338 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

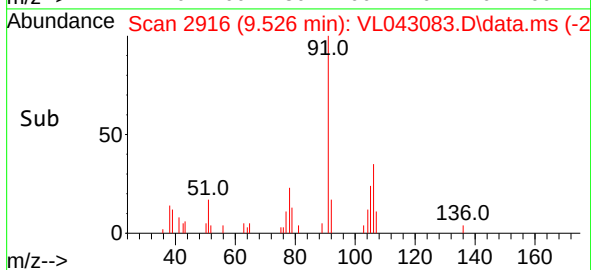
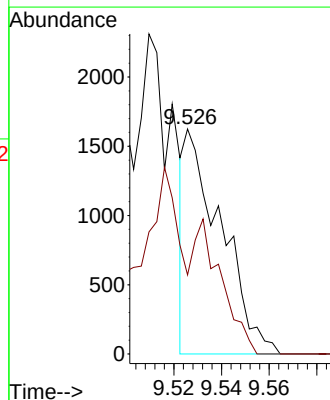
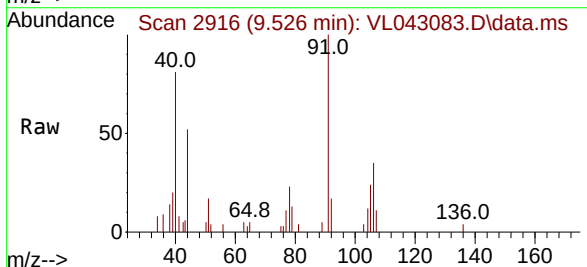
Instrument :
MSVOA_L
ClientSampleId :
IA1

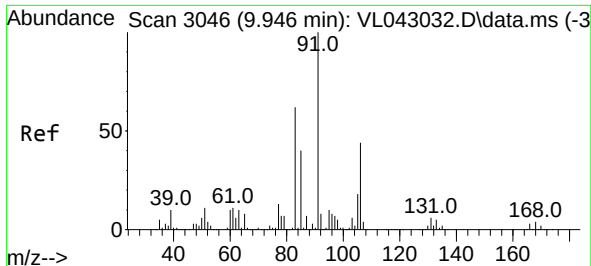
Tgt Ion: 91 Resp: 2231
Ion Ratio Lower Upper
91 100
106 35.4 24.1 36.1



#59
m/p-Xylene
Concen: 0.032 ppbv
RT: 9.526 min Scan# 2916
Delta R.T. -0.006 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 91 Resp: 1725
Ion Ratio Lower Upper
91 100
106 0.0 37.5 56.3#

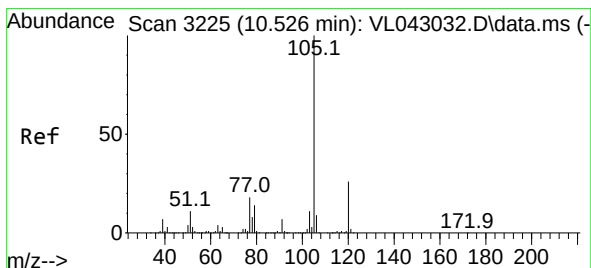
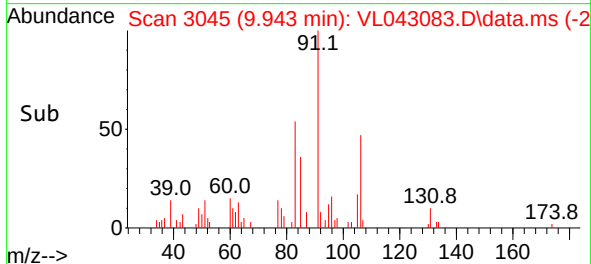
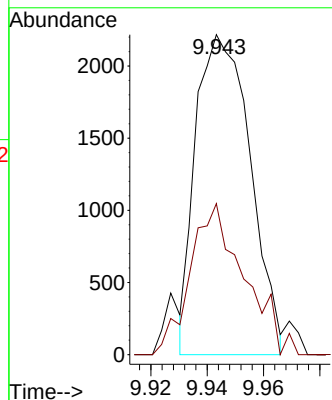
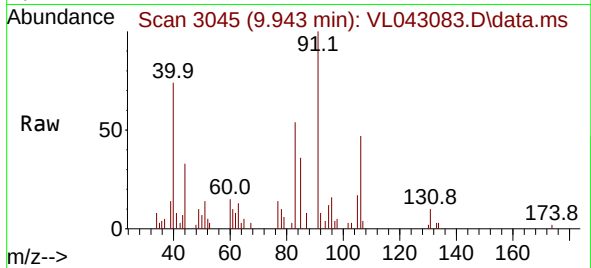




#60
o-Xylene
Concen: 0.055 ppbv
RT: 9.943 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

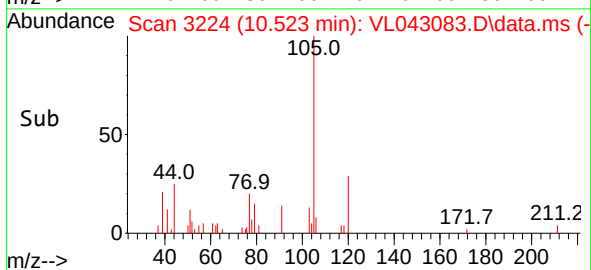
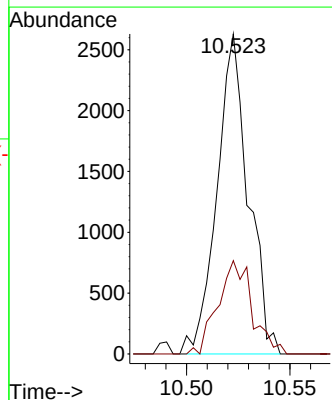
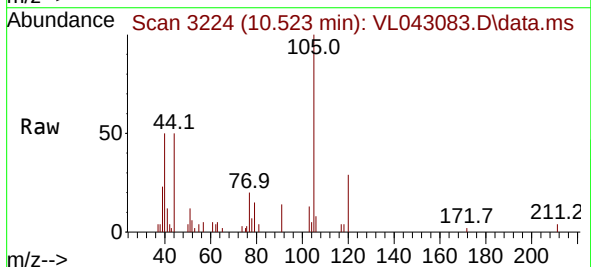
Instrument :
MSVOA_L
ClientSampleId :
IA1

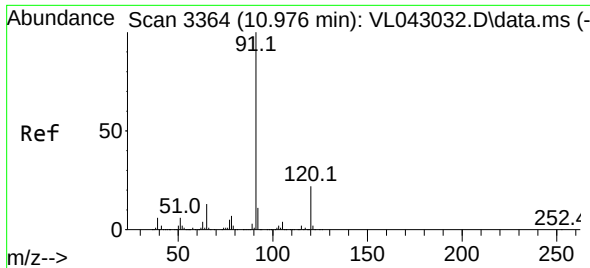
Tgt Ion: 91 Resp: 2976
Ion Ratio Lower Upper
91 100
106 46.7 21.9 65.5



#62
Isopropylbenzene
Concen: 0.033 ppbv
RT: 10.523 min Scan# 3224
Delta R.T. -0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 105 Resp: 2773
Ion Ratio Lower Upper
105 100
120 31.7 20.6 31.0#

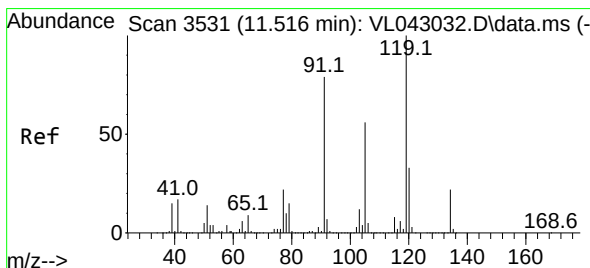
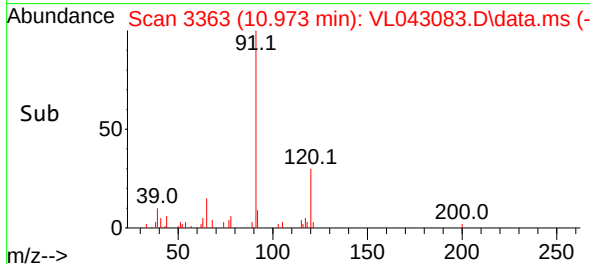
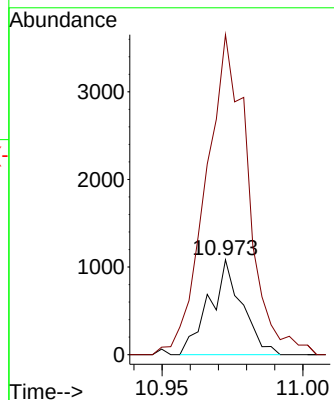
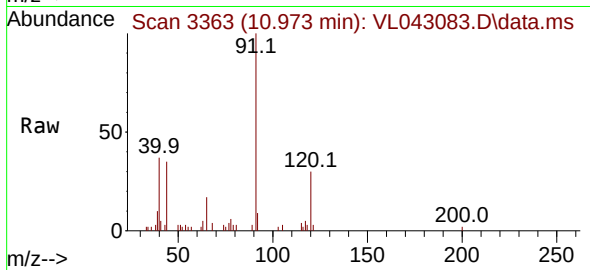




#64
n-propylbenzene
Concen: 0.041 ppbv
RT: 10.973 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

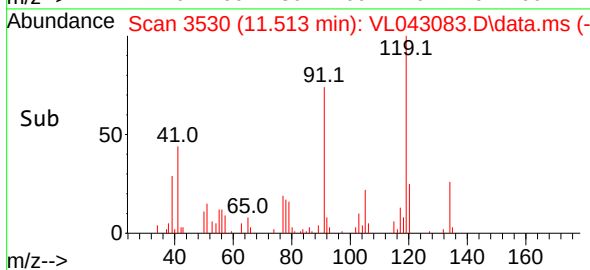
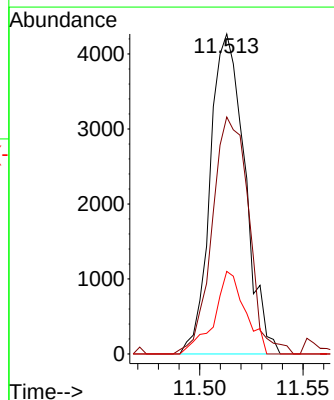
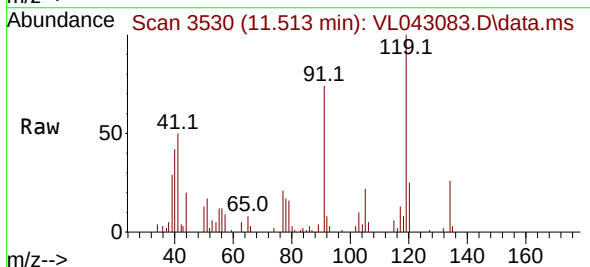
Instrument :
MSVOA_L
ClientSampleId :
IA1

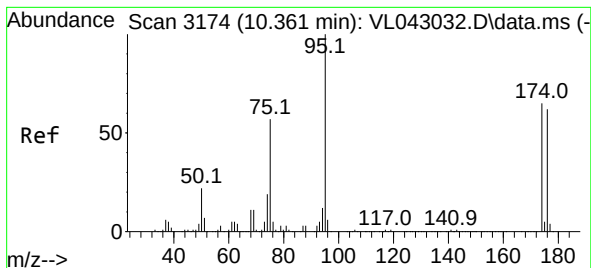
Tgt Ion:120 Resp: 874
Ion Ratio Lower Upper
120 100
91 437.8 367.0 550.4



#65
tert-Butylbenzene
Concen: 0.067 ppbv
RT: 11.513 min Scan# 3530
Delta R.T. -0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion:119 Resp: 4962
Ion Ratio Lower Upper
119 100
91 83.4 63.1 94.7
134 23.3 16.9 25.3

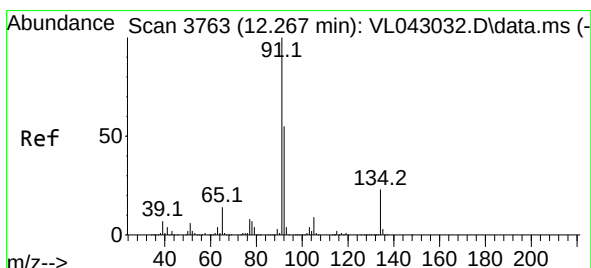
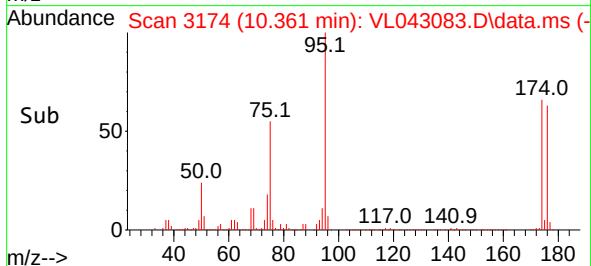
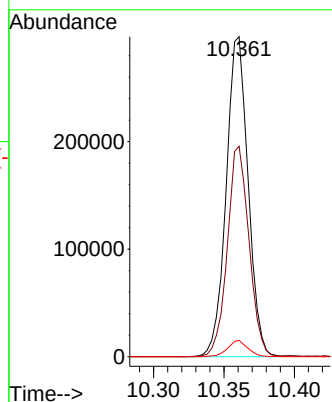
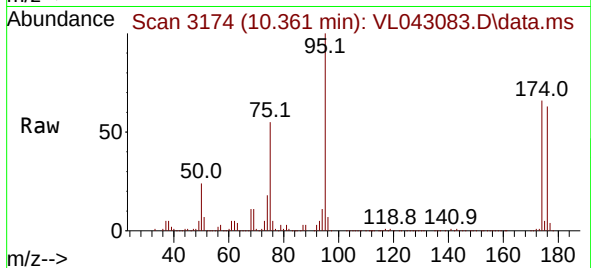




#68
1-Bromo-4-Fluorobenzene
Concen: 10.711 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

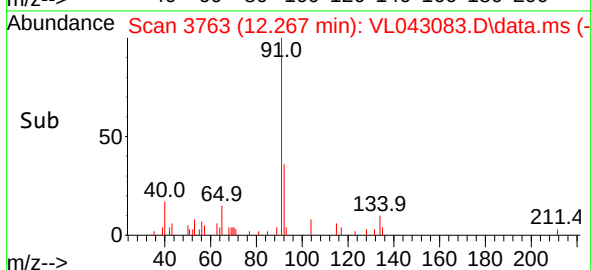
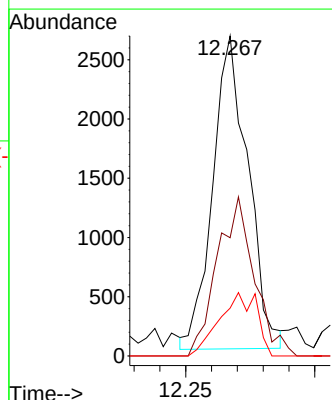
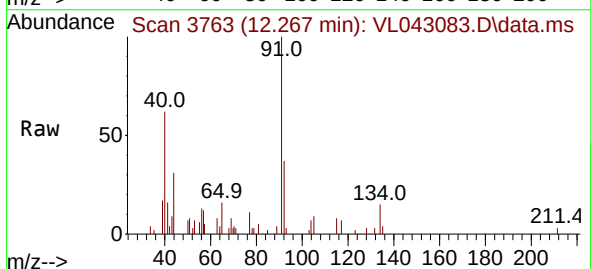
Instrument :
MSVOA_L
ClientSampleId :
IA1

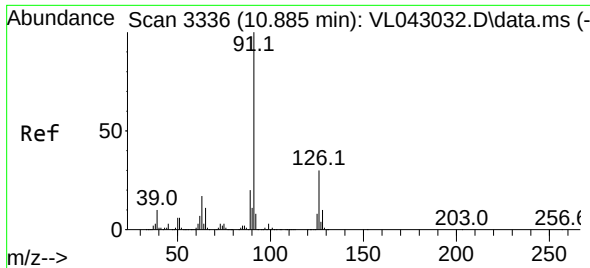
Tgt Ion: 95 Resp: 322719
Ion Ratio Lower Upper
95 100
174 65.5 52.3 78.5
175 4.7 3.8 5.8



#70
n-Butylbenzene
Concen: 0.031 ppbv
RT: 12.267 min Scan# 3763
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 91 Resp: 2513
Ion Ratio Lower Upper
91 100
92 55.1 43.9 65.9
134 21.4 18.9 28.3

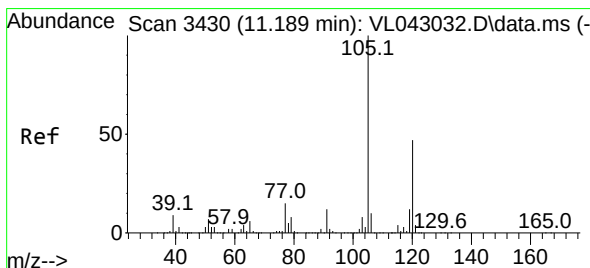
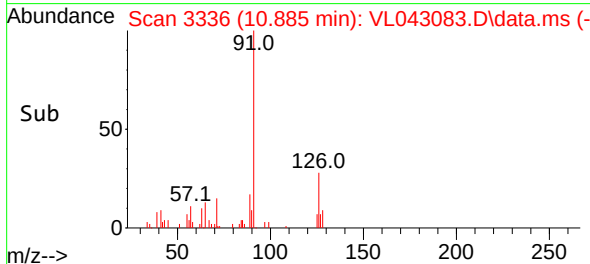
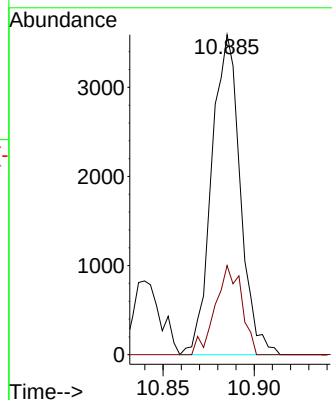
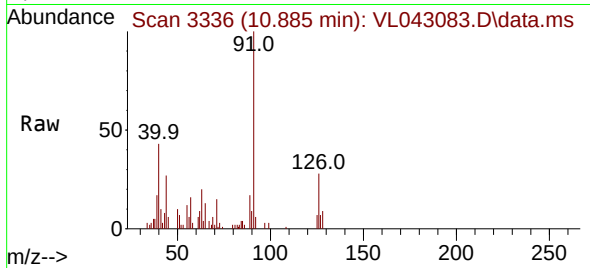




#71
2-Chlorotoluene
Concen: 0.065 ppbv
RT: 10.885 min Scan# 3336
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

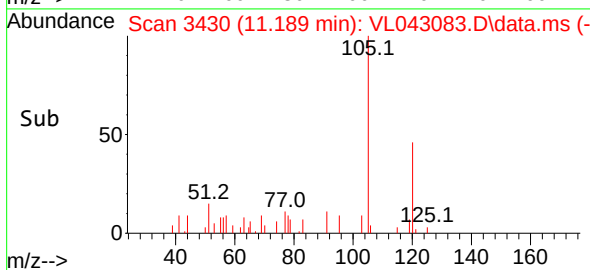
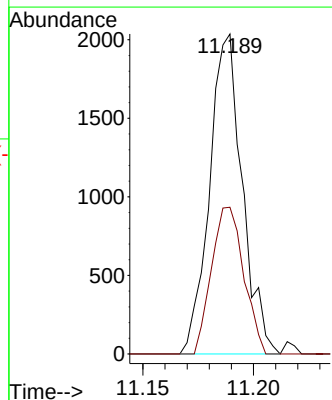
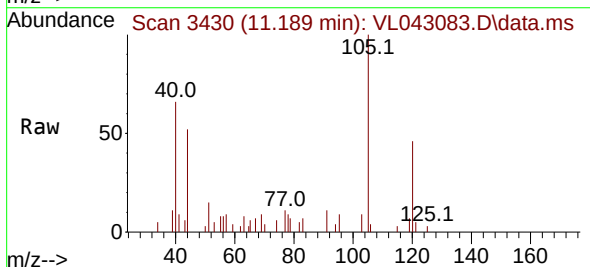
Instrument :
MSVOA_L
ClientSampleId :
IA1

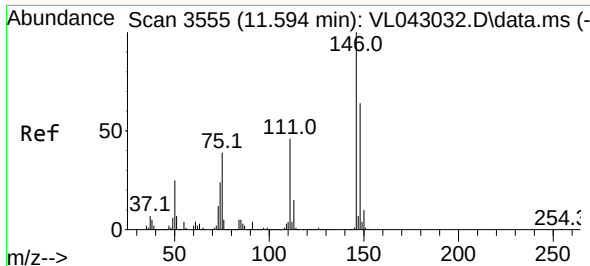
Tgt Ion: 91 Resp: 3916
Ion Ratio Lower Upper
91 100
126 25.7 12.2 48.6



#73
1,3,5-Trimethylbenzene
Concen: 0.037 ppbv
RT: 11.189 min Scan# 3430
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 105 Resp: 2099
Ion Ratio Lower Upper
105 100
120 45.9 37.5 56.3

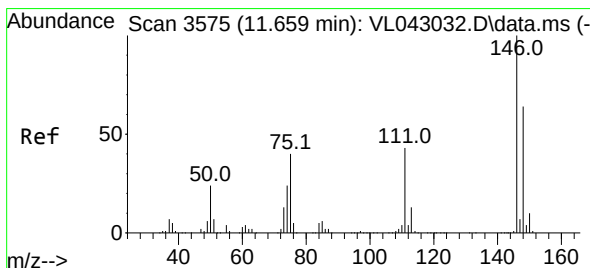
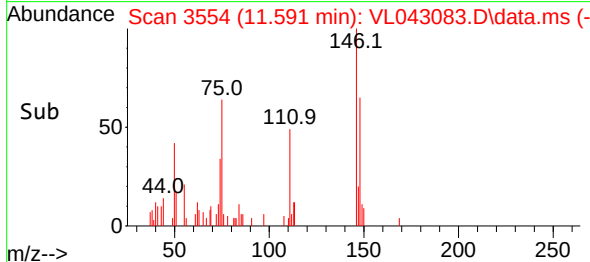
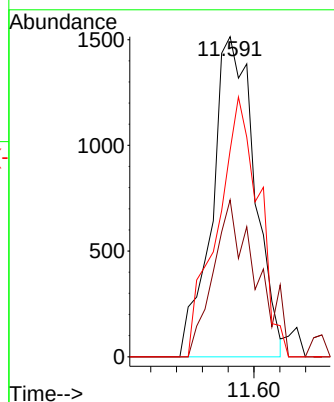
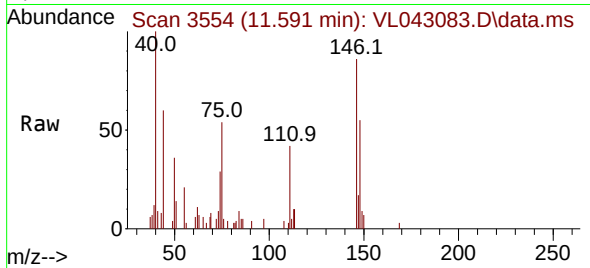




#75
1,3-Dichlorobenzene
Concen: 0.042 ppbv
RT: 11.591 min Scan# 3554
Delta R.T. -0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

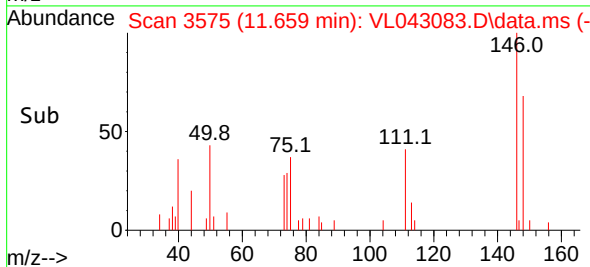
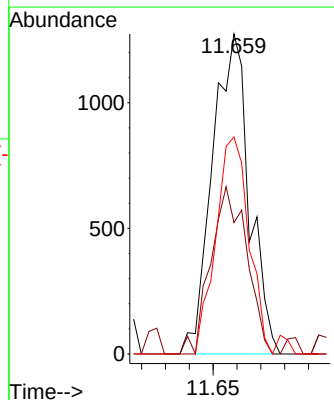
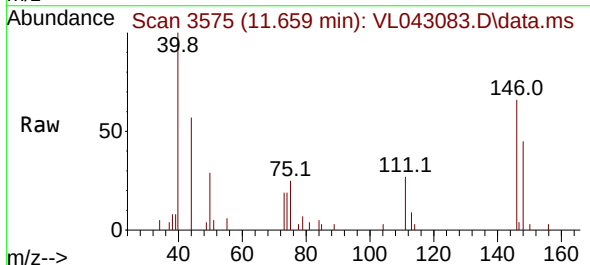
Instrument :
MSVOA_L
ClientSampleId :
IA1

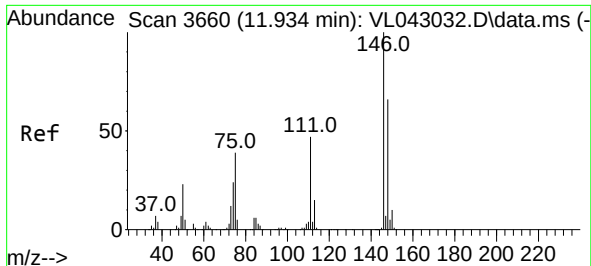
Tgt Ion:146	Resp:	1731
Ion Ratio	Lower	Upper
146	100	
111	51.5	22.6 67.7
148	79.2	31.9 95.7



#76
1,4-Dichlorobenzene
Concen: 0.035 ppbv
RT: 11.659 min Scan# 3575
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion:146	Resp:	1375
Ion Ratio	Lower	Upper
146	100	
111	57.3	21.7 65.1
148	62.3	32.1 96.3

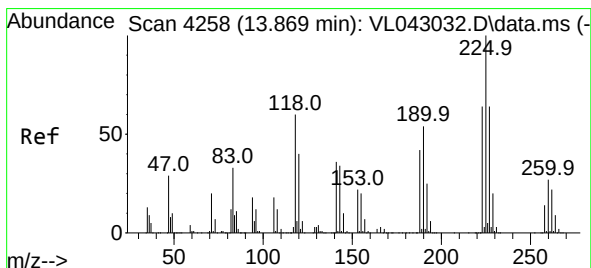
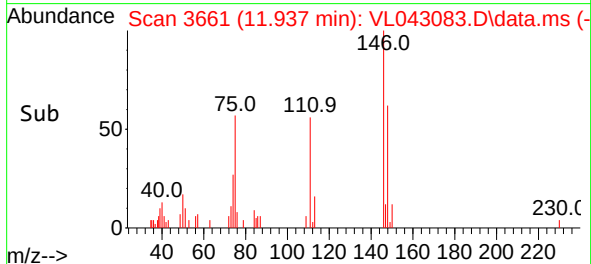
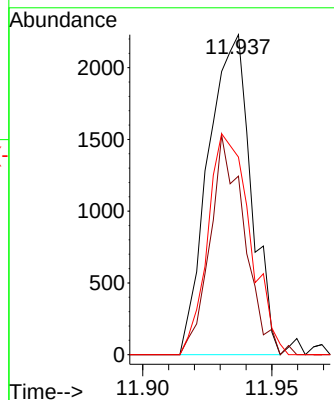
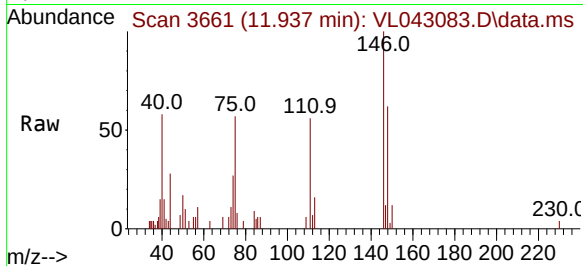




#77
1,2-Dichlorobenzene
Concen: 0.063 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

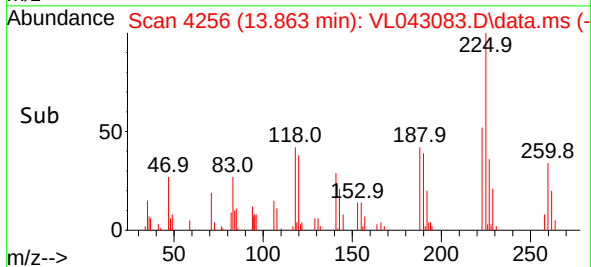
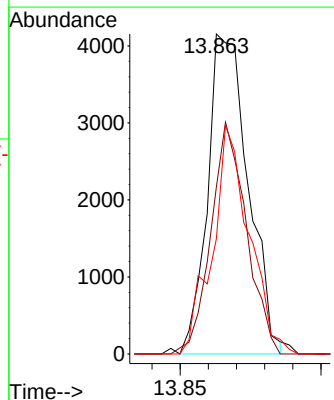
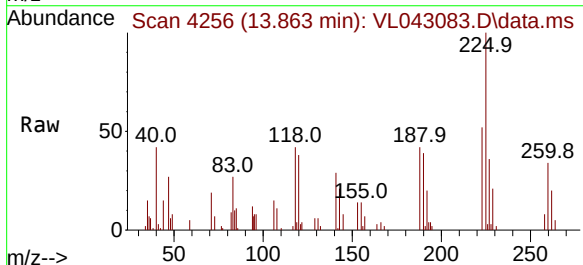
Instrument :
MSVOA_L
ClientSampleId :
IA1

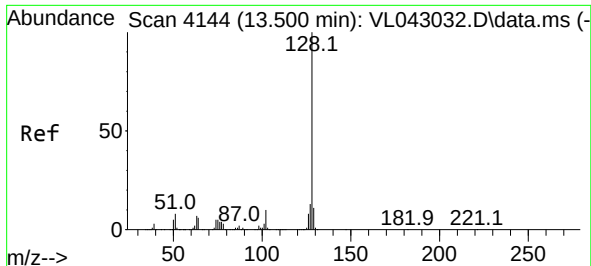
Tgt Ion:	146	Resp:	2573
Ion	Ratio	Lower	Upper
146	100		
111	55.5	23.2	69.5
148	68.2	31.9	95.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.146 ppbv
RT: 13.863 min Scan# 4256
Delta R.T. -0.006 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion:	225	Resp:	4168
Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.9	76.3
227	64.4	50.9	76.3

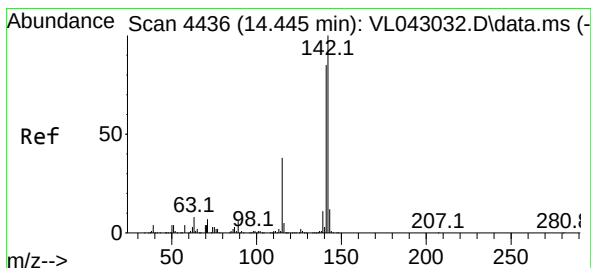
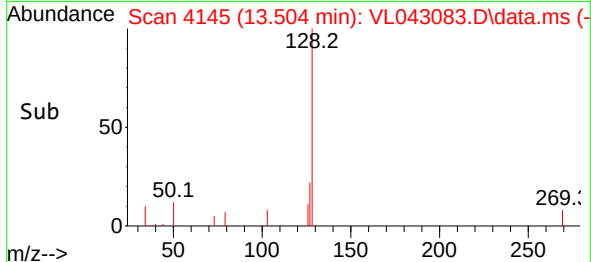
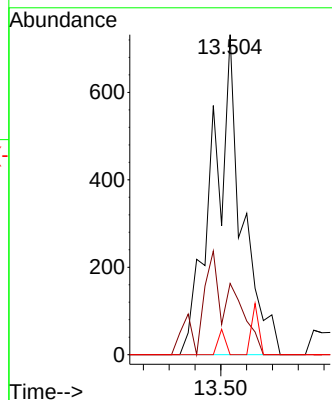
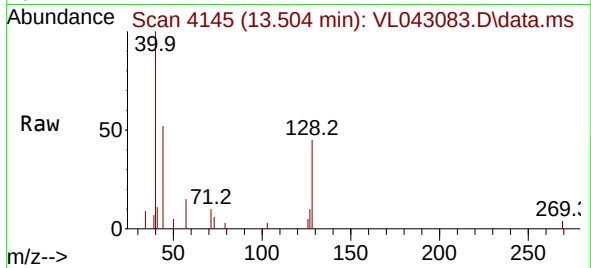




#79
Naphthalene
Concen: 0.245 ppbv
RT: 13.504 min Scan# 4144
Delta R.T. 0.004 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:128 Resp: 579
Ion Ratio Lower Upper
128 100
127 22.3 10.6 16.0#
129 0.0 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.675 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.010 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion:142 Resp: 340
Ion Ratio Lower Upper
142 100
141 74.1 66.6 100.0
115 16.5 30.1 45.1#

