

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042763.D
 Acq On : 24 Jul 2025 13:52
 Operator : SY/MD
 Sample : Q2671-05 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 118-SG1

Quant Time: Jul 25 01:26:39 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

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

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	152545	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	423795	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	382302	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 301001 9.942 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.400%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.499	85	4755	0.236	ppbv	97
3) Chlorodifluoromethane	1.467	51	407528	15.511	ppbv #	59
4) Chloromethane	1.535	50	9639	1.181	ppbv #	82
7) Chloroethane	1.467	64	19389	6.225	ppbv	92
9) Propene	1.486	41	13877	1.453	ppbv	93
10) Heptane	4.985	43	1143	0.044	ppbv #	39
11) Trichlorofluoromethane	1.881	101	2383	0.115	ppbv	85
12) 1,1,2-Trichlorotrifluo...	2.140	101	768	0.049	ppbv	90
13) Ethanol	1.722	45	38097	53.641	ppbv	90
15) Acetone	1.836	43	469831	22.305	ppbv	97
16) 1,3-Butadiene	1.603	39	8845	0.984	ppbv #	42
17) tert-Butyl alcohol	2.046	59	4732	0.249	ppbv #	77
19) Isopropyl Alcohol	1.887	45	22241	1.987	ppbv #	1
20) Methylene Chloride	2.062	84	2959	0.446	ppbv	86
21) Allyl Chloride	2.043	41	1350	0.104	ppbv #	1
23) Vinyl Acetate	2.451	43	4513	0.177	ppbv #	88
25) Ethyl Acetate	2.829	43	6136	0.132	ppbv #	87
26) Hexane	2.826	57	6609	0.323	ppbv #	2
27) Carbon Disulfide	2.150	76	1455	0.083	ppbv #	1
29) Chloroform	2.852	83	2574	0.081	ppbv	94
32) 1,1,1-Trichloroethane	3.373	97	1213	0.037	ppbv #	68
34) 2-Butanone	2.557	43	235290	7.838	ppbv	99
36) Benzene	3.658	78	5821	0.145	ppbv #	92
37) 1,2-Dichloroethane	3.221	62	556	0.023	ppbv #	87
38) Trichloroethene	4.548	130	1771	0.092	ppbv #	51
39) 1,2-Dichloropropane	3.962	63	109646	7.396	ppbv #	21
41) Tetrahydrofuran	3.056	42	24393	1.597	ppbv #	51
51) 2-Hexanone	7.445	43	15306	0.524	ppbv #	98
52) Tetrachloroethene	8.225	164	5241	0.315	ppbv #	77
53) Toluene	6.940	91	6462	0.150	ppbv	89
59) m/p-Xylene	9.555	91	1126	0.023	ppbv #	30
60) o-Xylene	9.969	91	2415	0.050	ppbv	95
61) Styrene	9.869	104	822	0.041	ppbv #	58
62) Isopropylbenzene	10.814	105	7688	0.108	ppbv #	49
64) n-propylbenzene	11.060	120	525	0.028	ppbv #	1
66) Benzyl Chloride	11.429	91	62847	12.119	ppbv #	66
67) sec-Butylbenzene	11.772	105	3385	0.038	ppbv #	57
69) p-Isopropyltoluene	11.924	119	3335	0.046	ppbv #	65
71) 2-Chlorotoluene	10.869	91	2265593	41.548	ppbv #	45
72) 4-Ethyltoluene	11.054	105	7414	0.129	ppbv #	81
73) 1,3,5-Trimethylbenzene	11.054	105	7414	0.156	ppbv #	41
74) 1,2,4-Trimethylbenzene	11.536	105	3016	0.058	ppbv #	53
79) Naphthalene	13.523	128	359	0.441	ppbv #	74

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

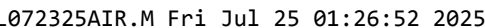
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

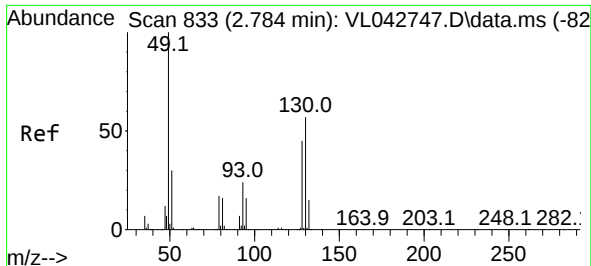
Quant Time: Jul 25 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	14.459	142	241	1.136	ppbv #	40
81) 1,2,4-Trichlorobenzene	13.445	180	45	0.436	ppbv #	1

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

Quant Time: Jul 25 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
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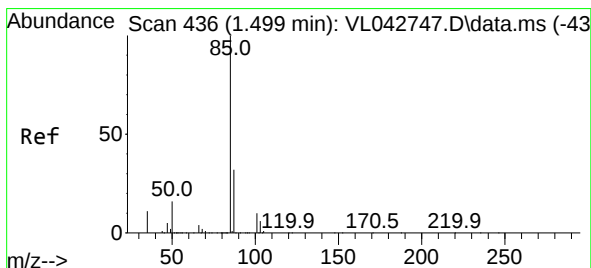
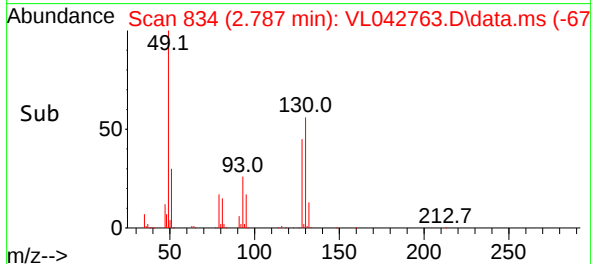
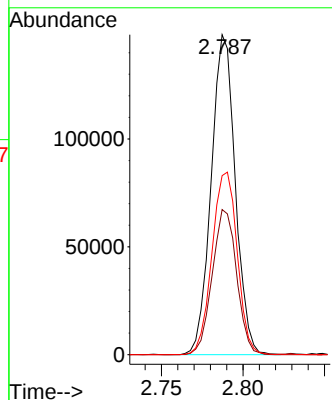
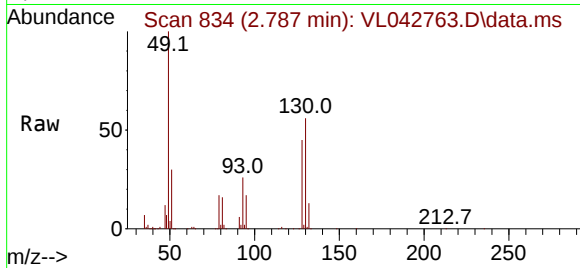




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

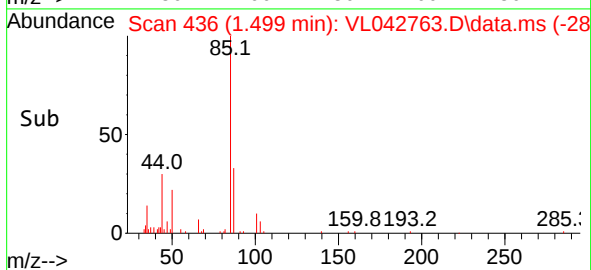
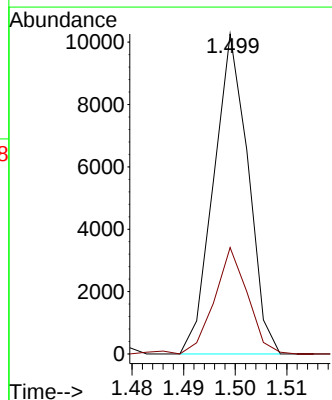
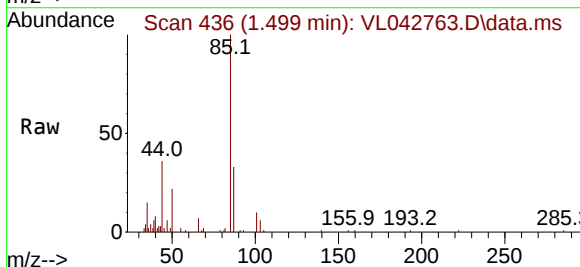
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

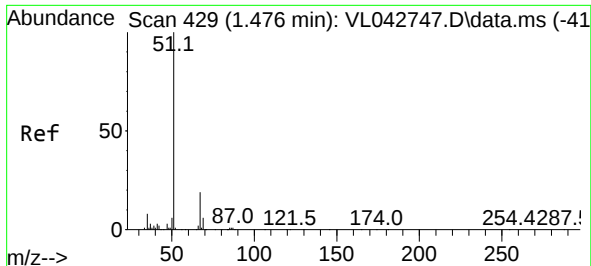
Tgt Ion: 49 Resp: 152545
Ion Ratio Lower Upper
49 100
128 45.9 23.6 71.0
130 59.7 30.3 90.8



#2
Dichlorodifluoromethane
Concen: 0.236 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 85 Resp: 4755
Ion Ratio Lower Upper
85 100
87 33.2 25.4 38.2

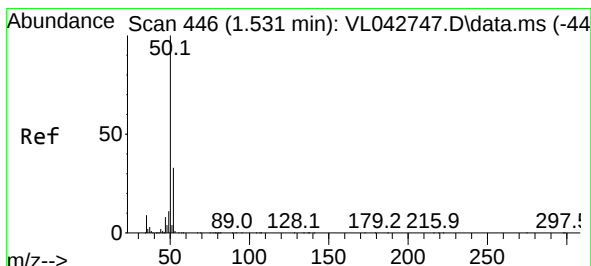
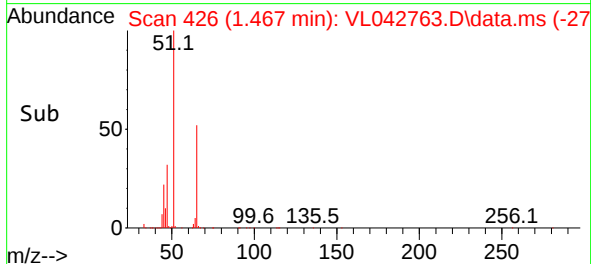
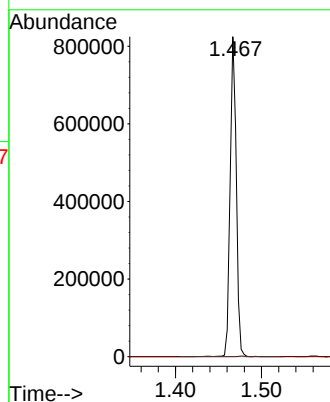
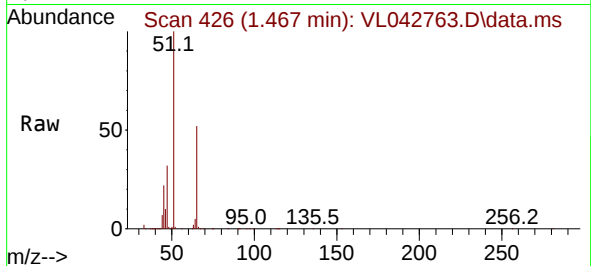




#3
Chlorodifluoromethane
Concen: 15.511 ppbv
RT: 1.467 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

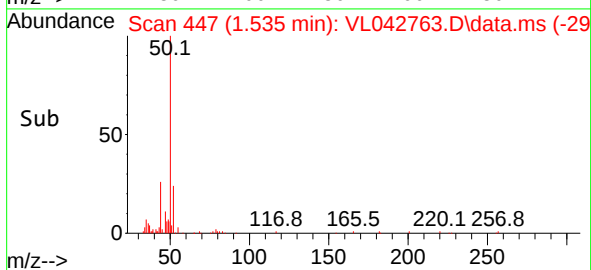
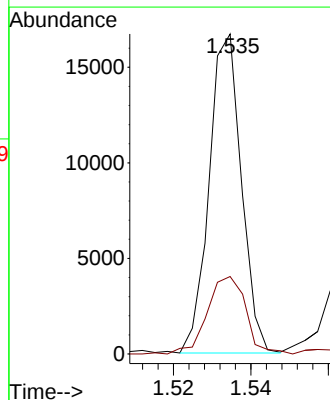
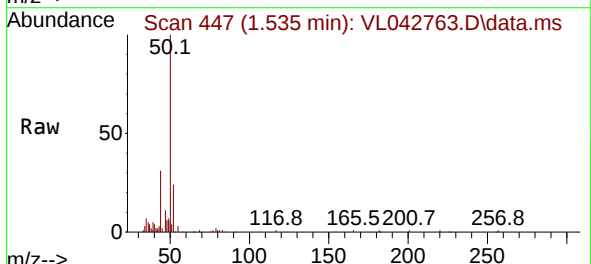
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

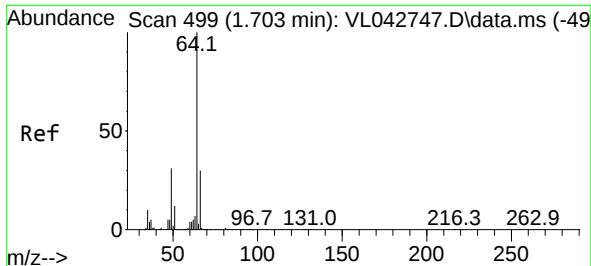
Tgt Ion: 51 Resp: 407528
Ion Ratio Lower Upper
51 100
67 0.2 15.0 22.6#



#4
Chloromethane
Concen: 1.181 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 50 Resp: 9639
Ion Ratio Lower Upper
50 100
52 23.3 26.6 40.0#

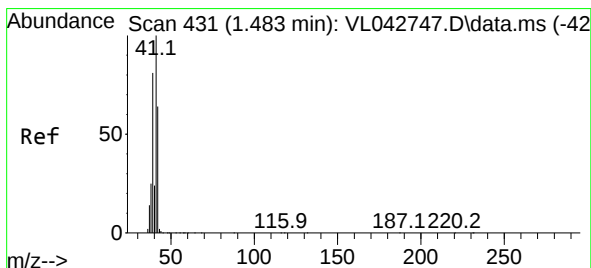
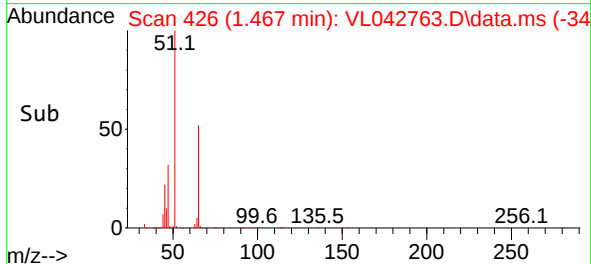
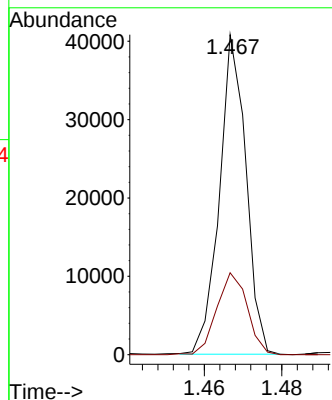
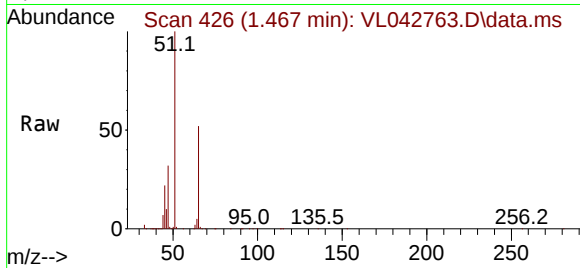




#7
Chloroethane
Concen: 6.225 ppbv
RT: 1.467 min Scan# 41
Delta R.T. -0.236 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

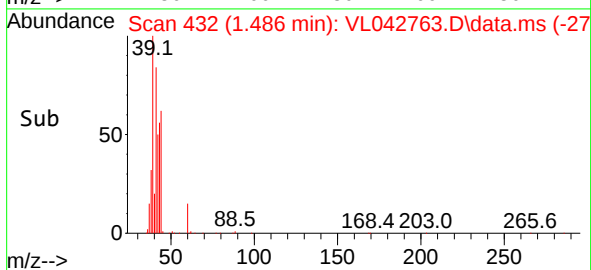
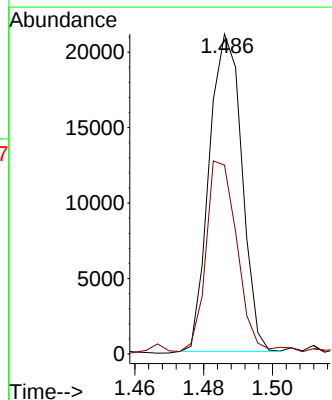
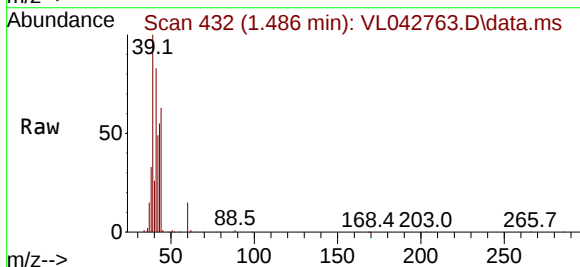
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

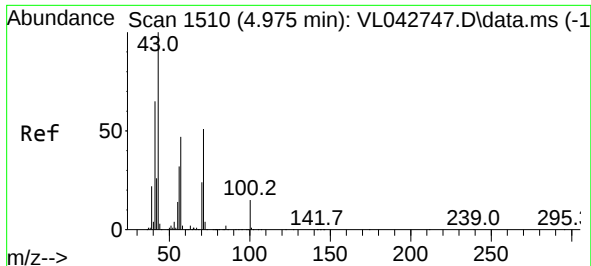
Tgt Ion: 64 Resp: 19389
Ion Ratio Lower Upper
64 100
66 25.6 24.1 36.1



#9
Propene
Concen: 1.453 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 41 Resp: 13877
Ion Ratio Lower Upper
41 100
42 60.8 53.2 79.8

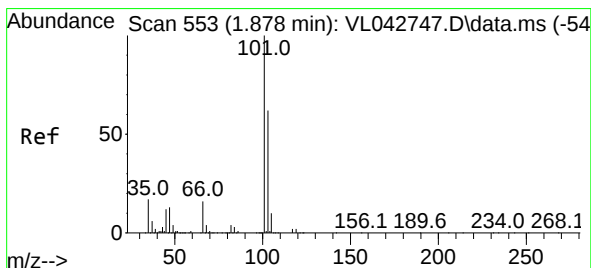
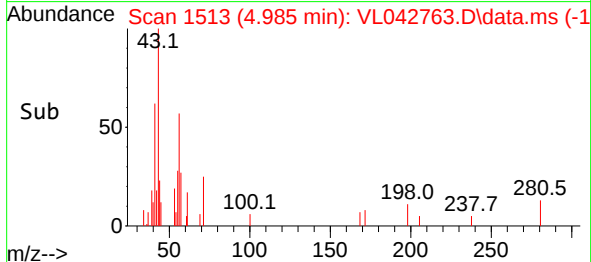
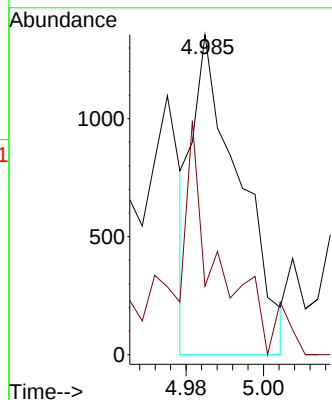
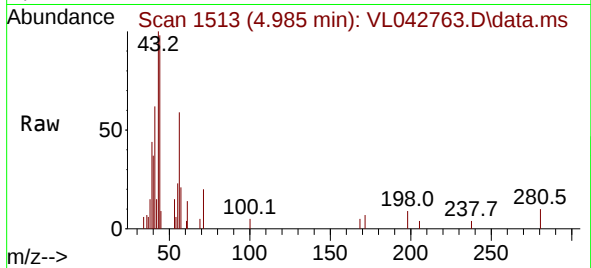




#10
 Heptane
 Concen: 0.044 ppbv
 RT: 4.985 min Scan# 111
 Delta R.T. 0.010 min
 Lab File: VL042763.D
 Acq: 24 Jul 2025 13:52

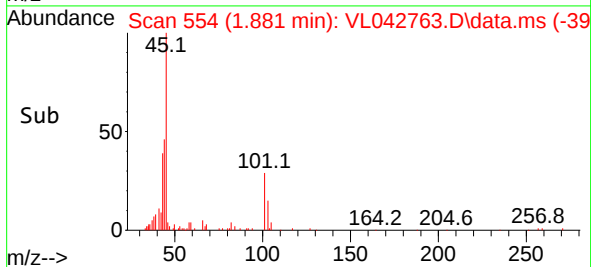
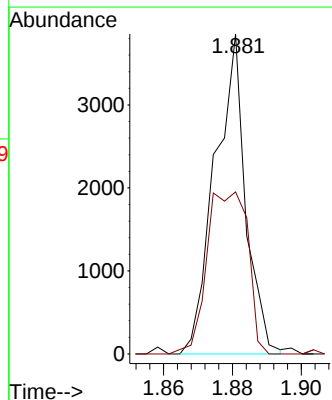
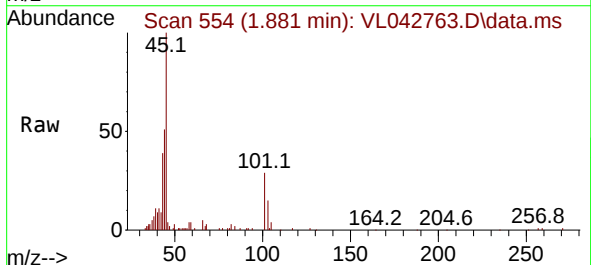
Instrument :
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 118-SG1

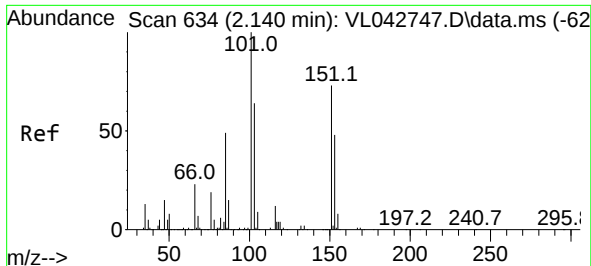
Tgt Ion: 43 Resp: 1143
 Ion Ratio Lower Upper
 43 100
 57 91.8 39.9 59.9#



#11
 Trichlorofluoromethane
 Concen: 0.115 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. 0.003 min
 Lab File: VL042763.D
 Acq: 24 Jul 2025 13:52

Tgt Ion: 101 Resp: 2383
 Ion Ratio Lower Upper
 101 100
 103 50.6 49.6 74.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.049 ppbv

RT: 2.140 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Instrument :

MSVOA_L

ClientSampleId :

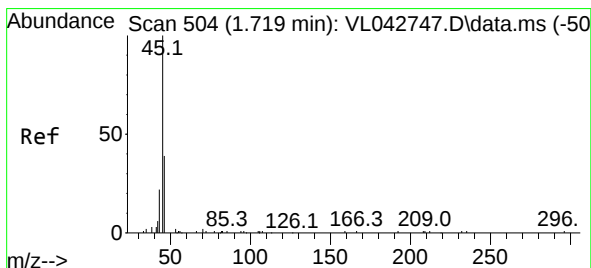
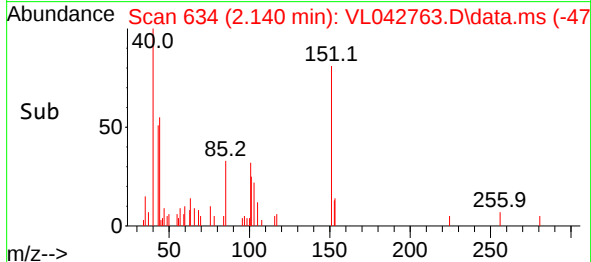
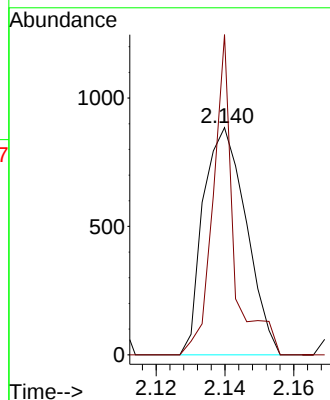
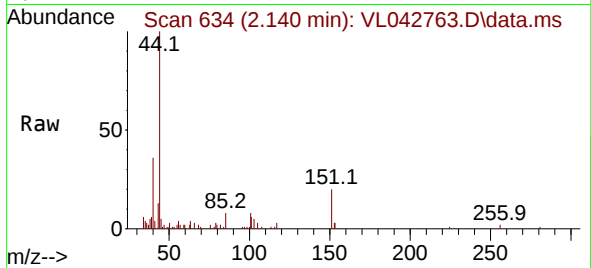
118-SG1

Tgt Ion:101 Resp: 768

Ion Ratio Lower Upper

101 100

151 67.1 60.5 90.7



#13

Ethanol

Concen: 53.641 ppbv

RT: 1.722 min Scan# 505

Delta R.T. 0.003 min

Lab File: VL042763.D

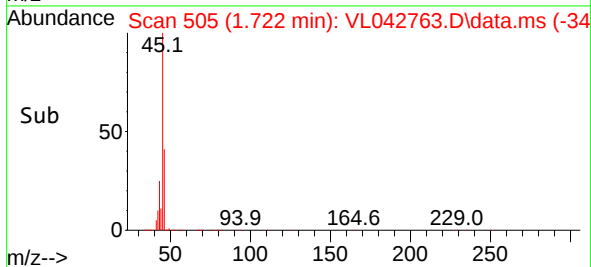
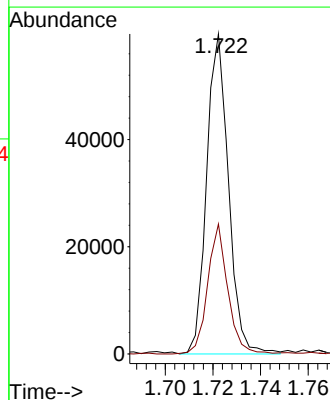
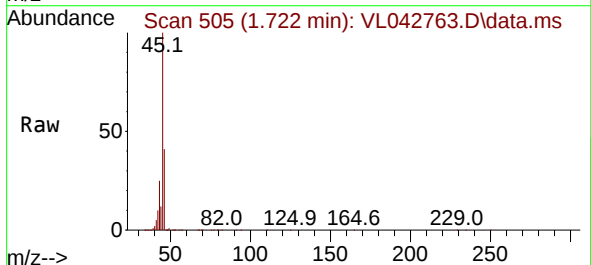
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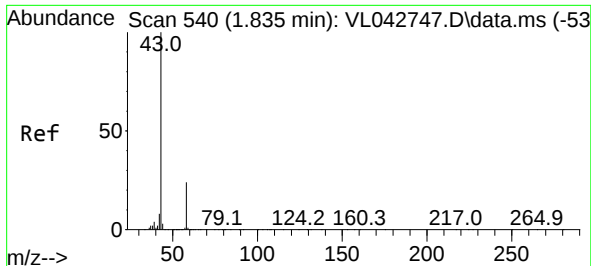
Tgt Ion: 45 Resp: 38097

Ion Ratio Lower Upper

45 100

46 38.1 17.8 71.4

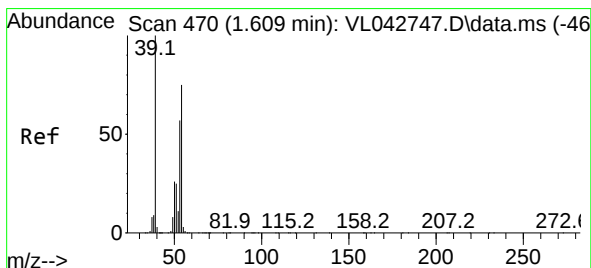
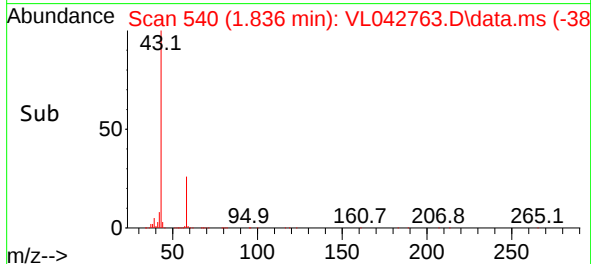
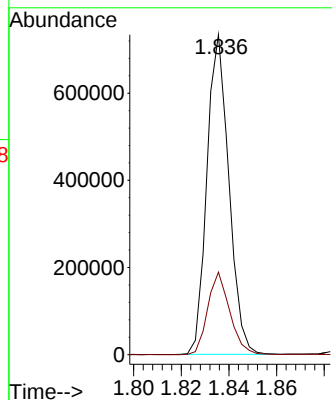
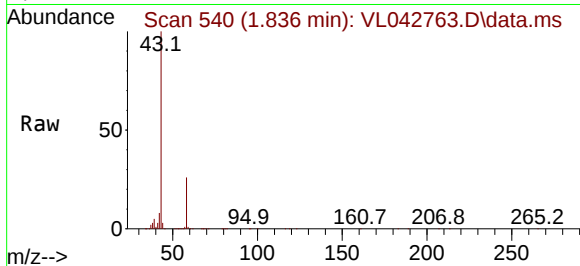




#15
Acetone
Concen: 22.305 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

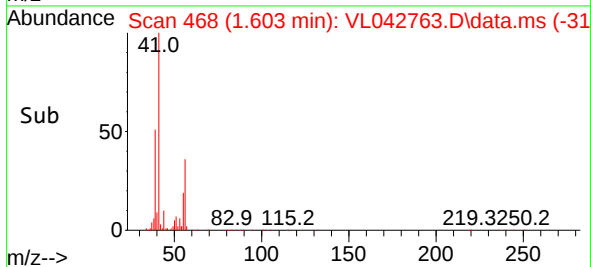
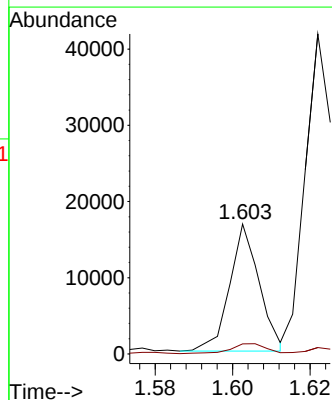
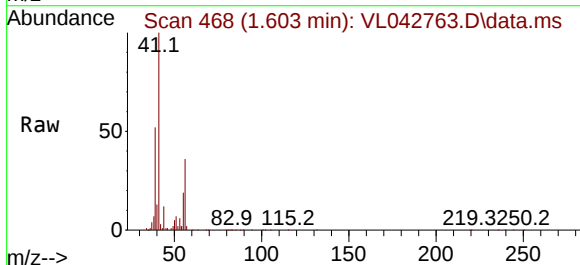
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

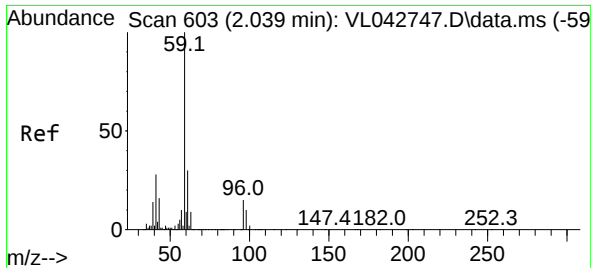
Tgt Ion: 43 Resp: 469831
Ion Ratio Lower Upper
43 100
58 26.3 19.8 29.8



#16
1,3-Butadiene
Concen: 0.984 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.006 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 39 Resp: 8845
Ion Ratio Lower Upper
39 100
54 21.1 54.5 81.7#





#17

tert-Butyl alcohol

Concen: 0.249 ppbv

RT: 2.046 min Scan# 603

Delta R.T. 0.007 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Instrument :

MSVOA_L

ClientSampleId :

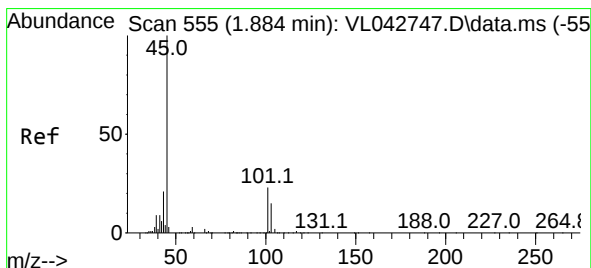
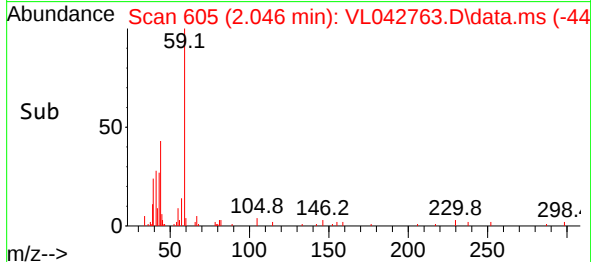
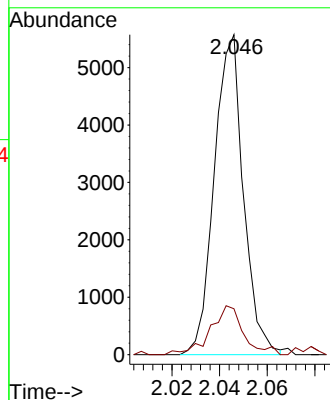
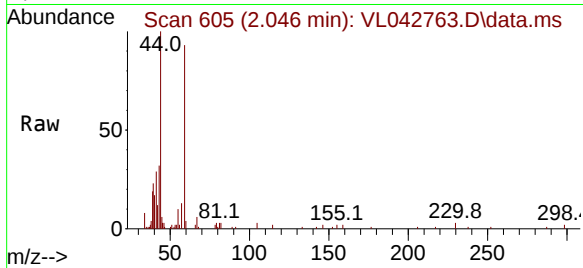
118-SG1

Tgt Ion: 59 Resp: 4732

Ion Ratio Lower Upper

59 100

57 18.9 8.3 12.5#



#19

Isopropyl Alcohol

Concen: 1.987 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042763.D

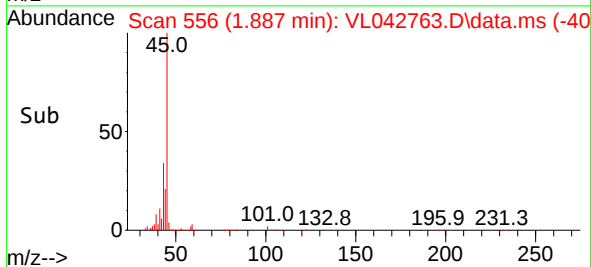
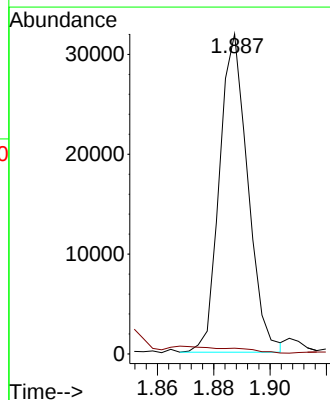
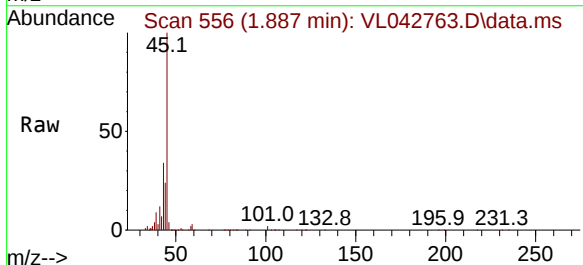
Acq: 24 Jul 2025 13:52

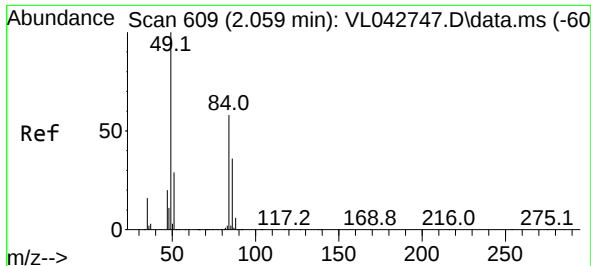
Tgt Ion: 45 Resp: 22241

Ion Ratio Lower Upper

45 100

58 555.4 30.0 45.0#

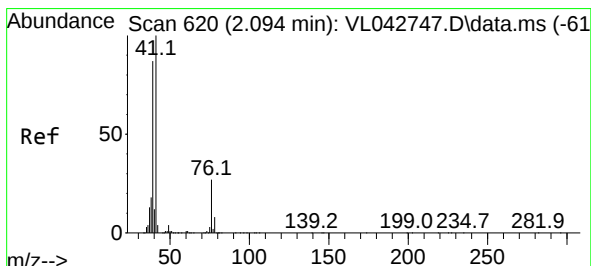
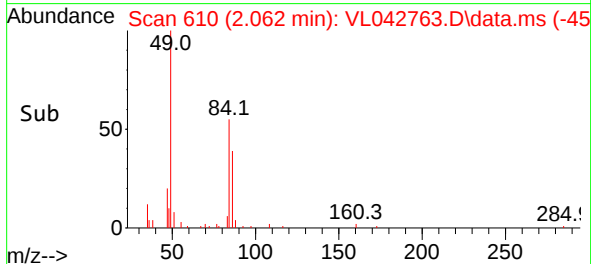
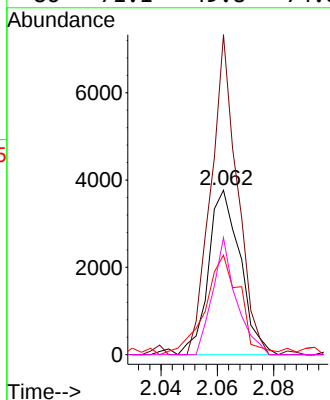
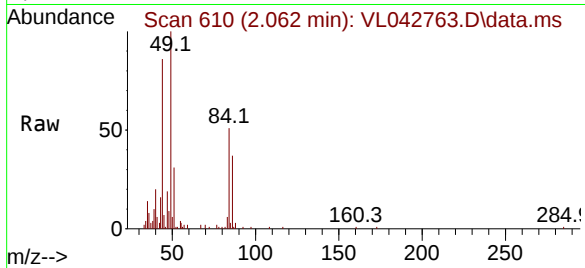




#20
Methylene Chloride
Concen: 0.446 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

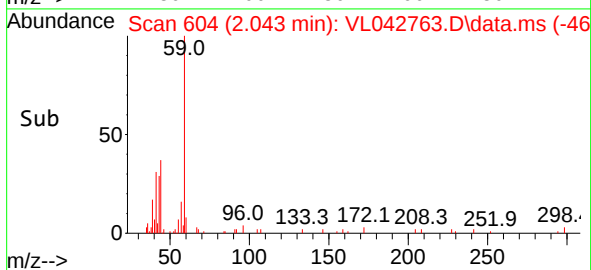
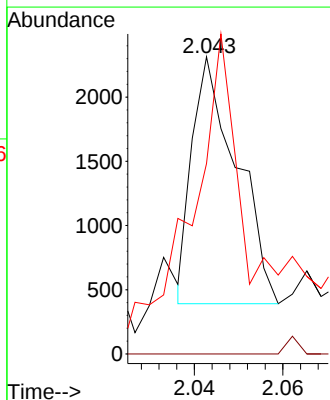
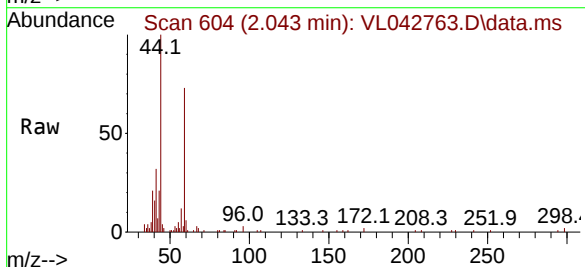
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

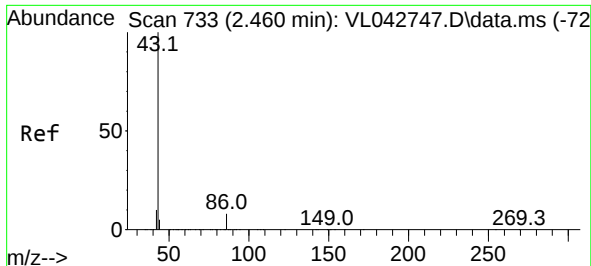
Tgt Ion:	84	Resp:	2959
Ion	Ratio	Lower	Upper
84	100		
49	194.6	138.6	208.0
51	58.6	40.6	61.0
86	71.1	49.8	74.8



#21
Allyl Chloride
Concen: 0.104 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.052 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:	41	Resp:	1350
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.1	31.7#
39	242.3	68.3	102.5#

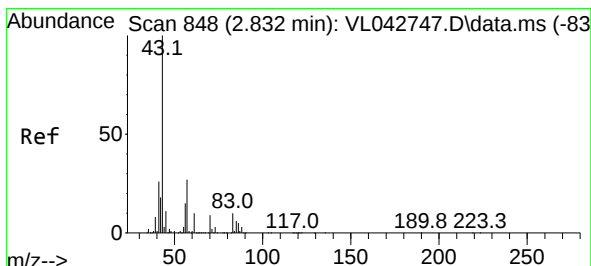
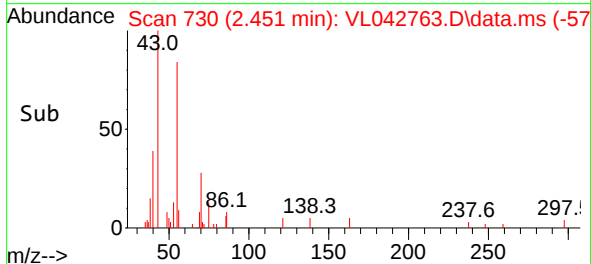
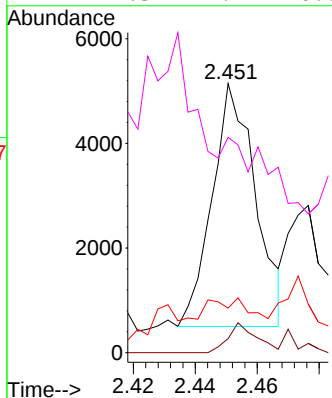
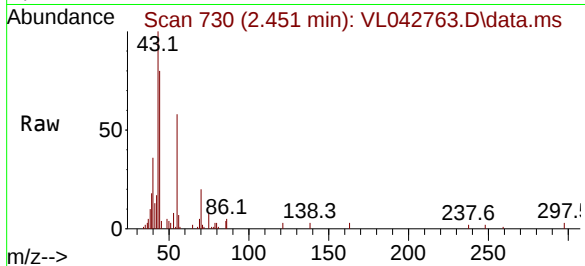




#23
Vinyl Acetate
Concen: 0.177 ppbv
RT: 2.451 min Scan# 71
Delta R.T. -0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

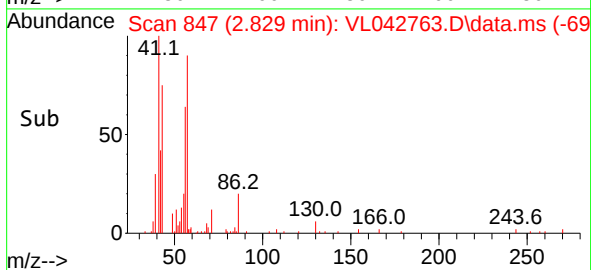
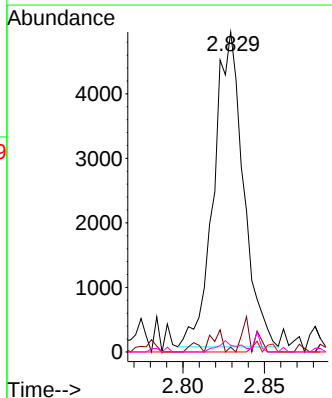
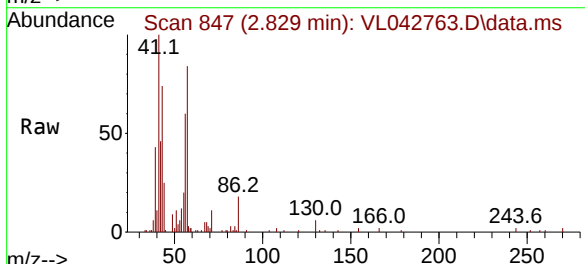
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

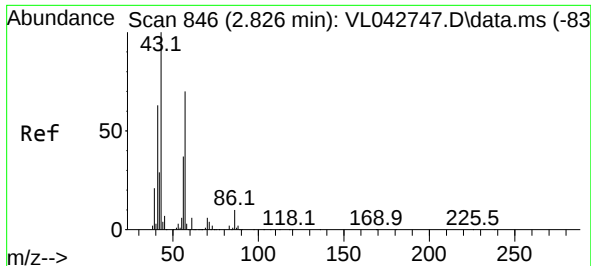
Tgt Ion:	43	Resp:	4513
Ion	Ratio	Lower	Upper
43	100		
86	5.8	6.1	9.1#
42	5.3	7.8	11.8#
44	12.3	4.4	6.6#



#25
Ethyl Acetate
Concen: 0.132 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:	43	Resp:	6136
Ion	Ratio	Lower	Upper
43	100		
45	7.8	7.8	11.6#
61	0.0	6.7	10.1#
70	3.9	6.6	10.0#

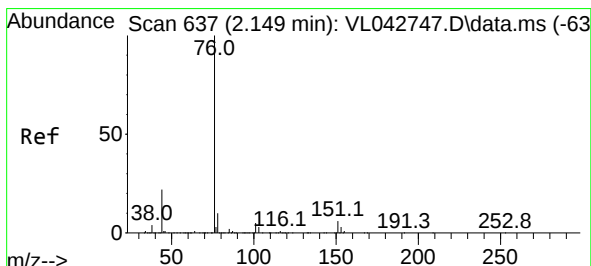
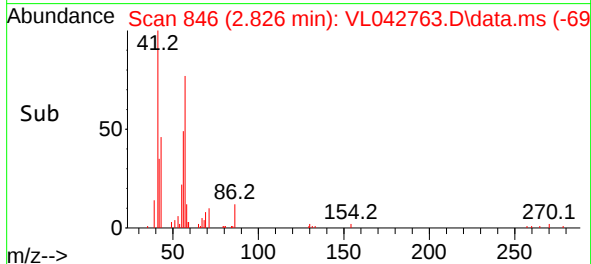
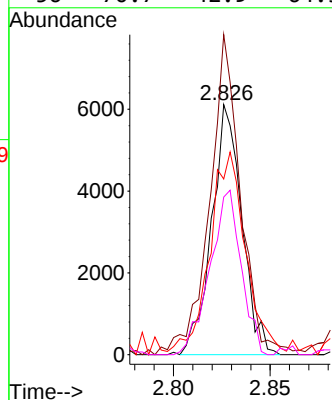
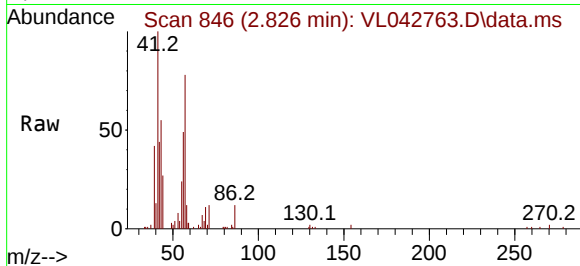




#26
Hexane
Concen: 0.323 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

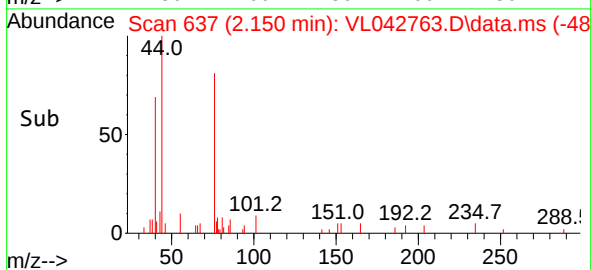
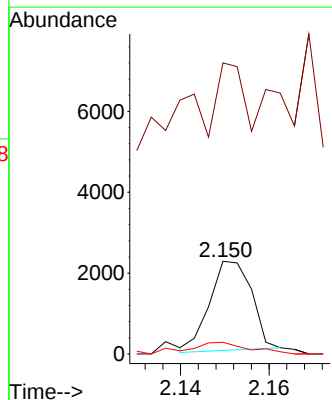
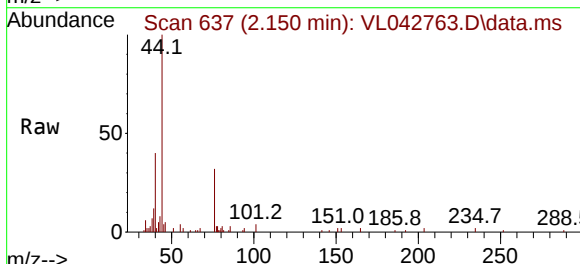
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

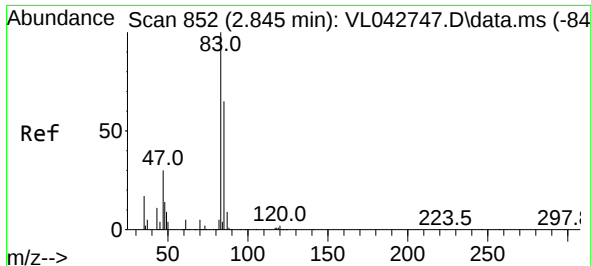
Tgt Ion:	57	Resp:	6609
Ion	Ratio	Lower	Upper
57	100		
41	131.2	75.4	113.2#
43	0.0	185.0	277.6#
56	70.7	42.9	64.3#



#27
Carbon Disulfide
Concen: 0.083 ppbv
RT: 2.150 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:	76	Resp:	1455
Ion	Ratio	Lower	Upper
76	100		
44	544.0	19.3	28.9#
78	21.1	9.9	14.9#





#29

Chloroform

Concen: 0.081 ppbv

RT: 2.852 min Scan# 8

Delta R.T. 0.007 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Instrument :

MSVOA_L

ClientSampleId :

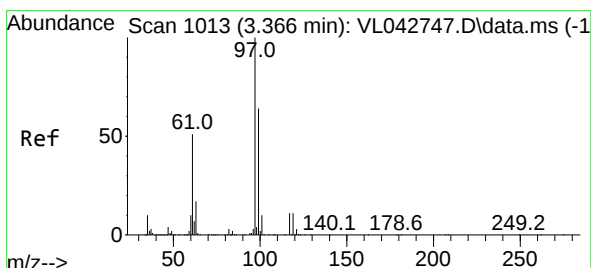
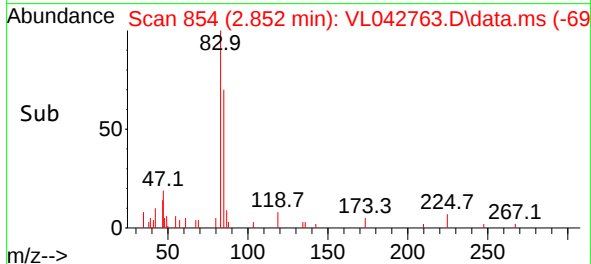
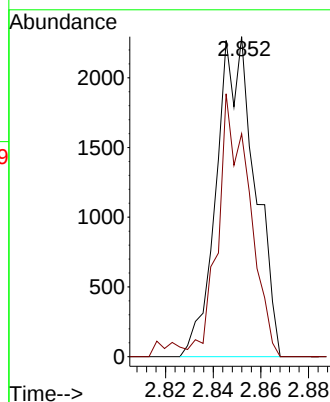
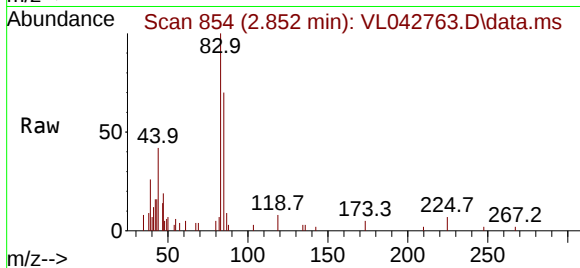
118-SG1

Tgt Ion: 83 Resp: 2574

Ion Ratio Lower Upper

83 100

85 69.6 52.2 78.2



#32

1,1,1-Trichloroethane

Concen: 0.037 ppbv

RT: 3.373 min Scan# 1015

Delta R.T. 0.007 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

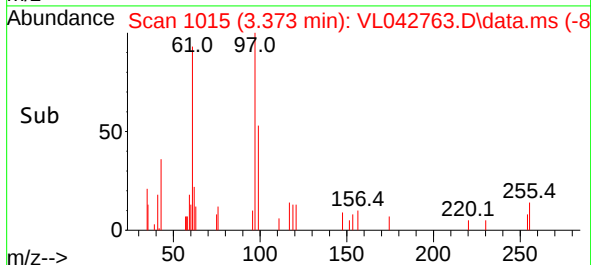
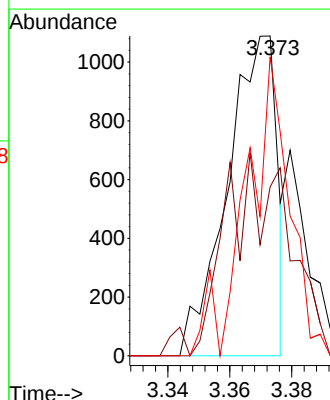
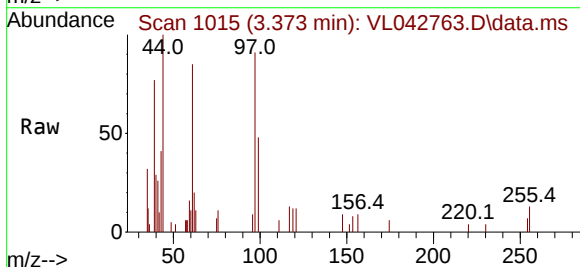
Tgt Ion: 97 Resp: 1213

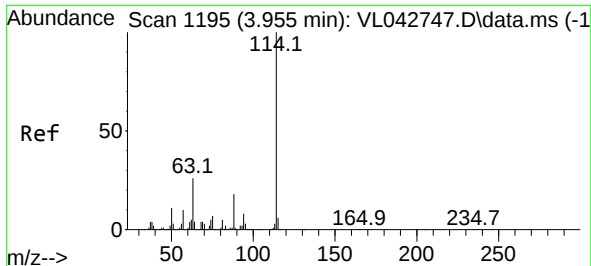
Ion Ratio Lower Upper

97 100

99 81.8 51.0 76.6#

61 81.7 40.9 61.3#

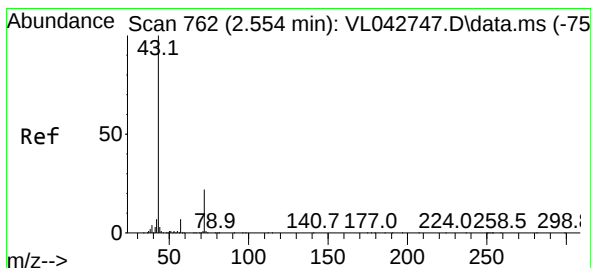
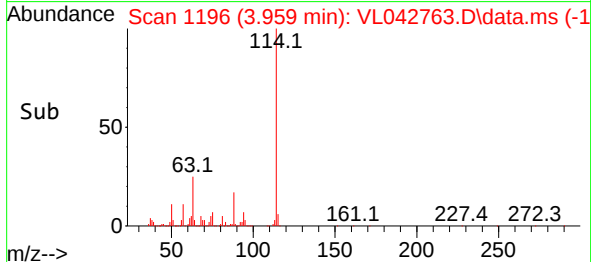
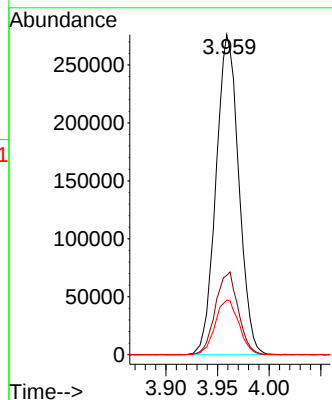
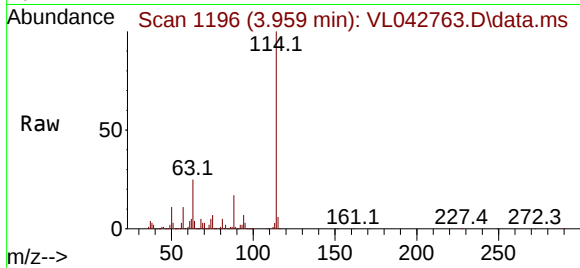




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

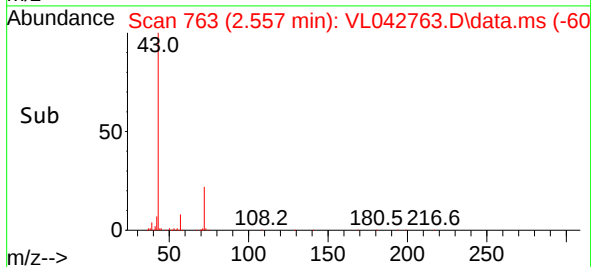
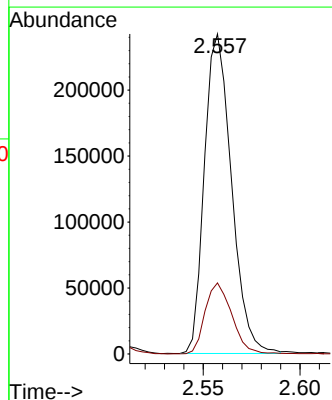
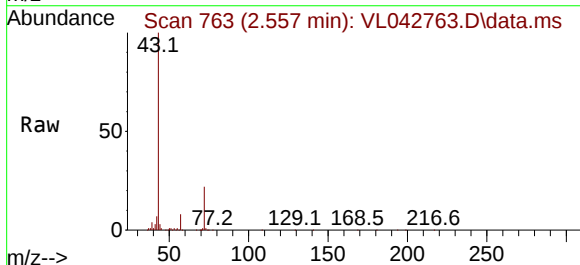
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

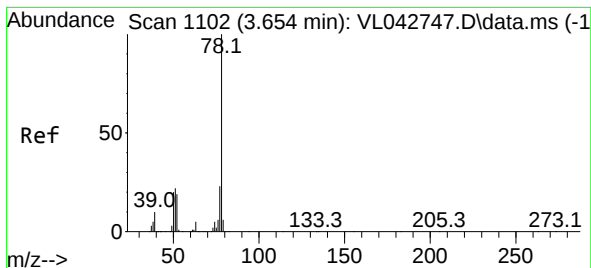
Tgt Ion:114 Resp: 423795
Ion Ratio Lower Upper
114 100
63 25.9 20.5 30.7
88 17.8 14.0 21.0



#34
2-Butanone
Concen: 7.838 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 43 Resp: 235290
Ion Ratio Lower Upper
43 100
72 22.2 17.4 26.0





#36

Benzene

Concen: 0.145 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Instrument :

MSVOA_L

ClientSampleId :

118-SG1

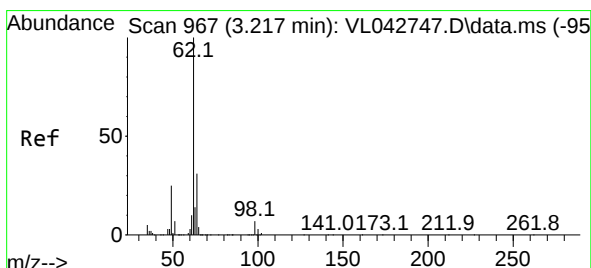
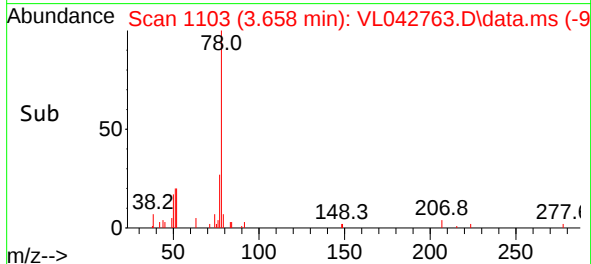
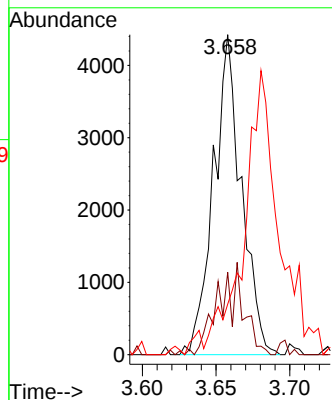
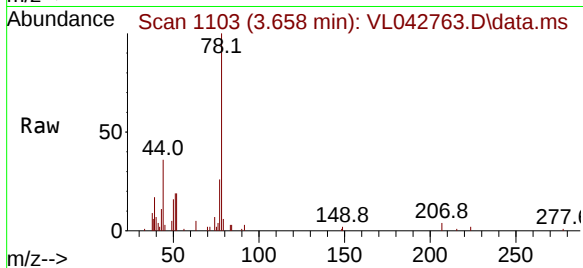
Tgt Ion: 78 Resp: 5821

Ion Ratio Lower Upper

78 100

77 24.6 18.5 27.7

50 14.4 16.2 24.2#



#37

1,2-Dichloroethane

Concen: 0.023 ppbv

RT: 3.221 min Scan# 968

Delta R.T. 0.003 min

Lab File: VL042763.D

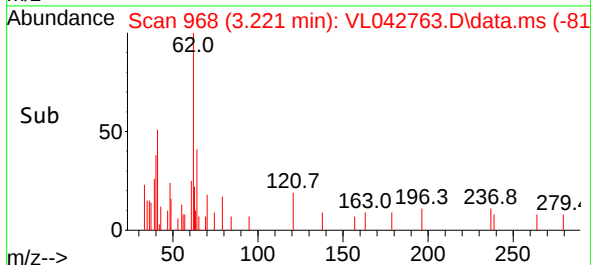
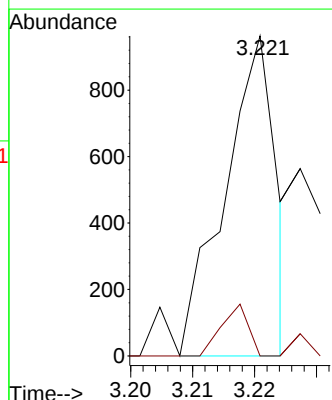
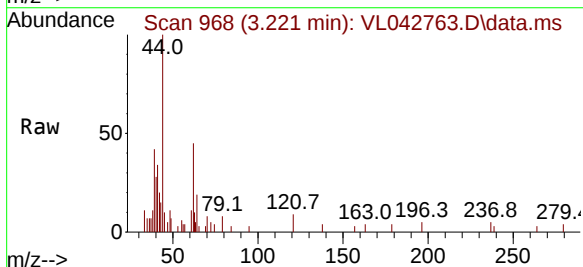
Acq: 24 Jul 2025 13:52

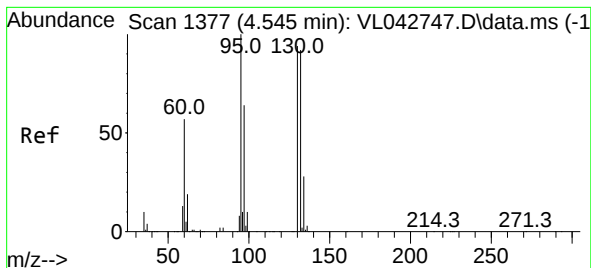
Tgt Ion: 62 Resp: 556

Ion Ratio Lower Upper

62 100

98 10.8 5.2 7.8#





#38

Trichloroethene

Concen: 0.092 ppbv

RT: 4.548 min Scan# 1197

Delta R.T. 0.003 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Instrument :

MSVOA_L

ClientSampleId :

118-SG1

Tgt Ion:130 Resp: 1771

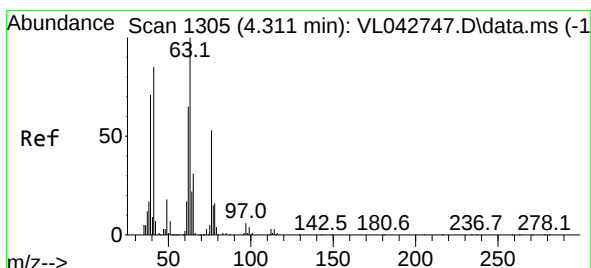
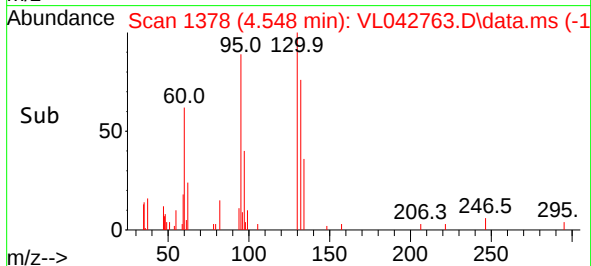
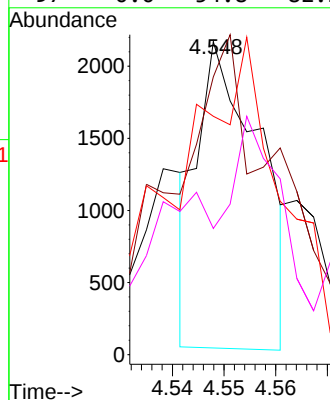
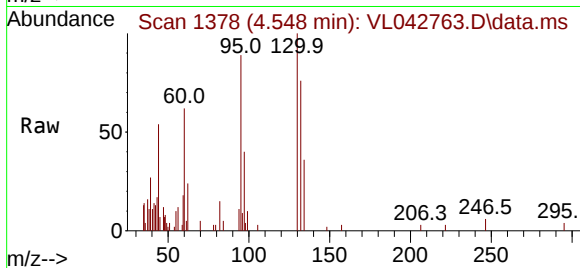
Ion Ratio Lower Upper

130 100

95 71.8 85.4 128.2#

132 57.3 78.2 117.2#

97 0.0 54.8 82.2#



#39

1,2-Dichloropropane

Concen: 7.396 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.349 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

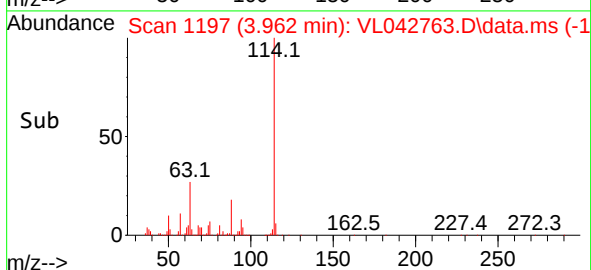
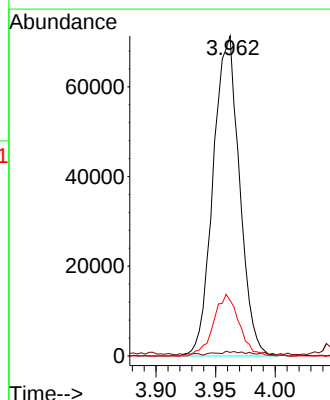
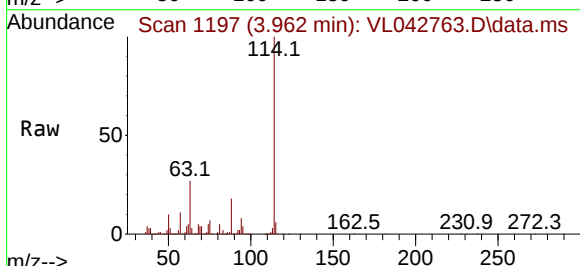
Tgt Ion: 63 Resp: 109646

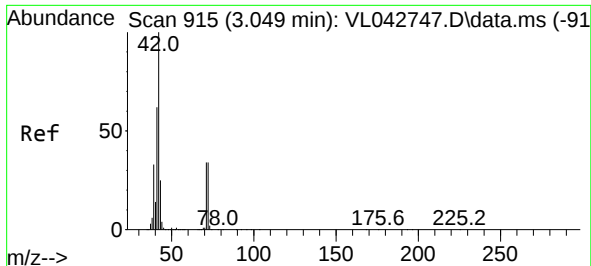
Ion Ratio Lower Upper

63 100

41 0.4 68.2 102.4#

62 17.4 52.0 78.0#

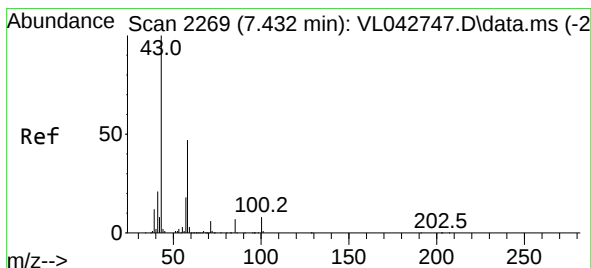
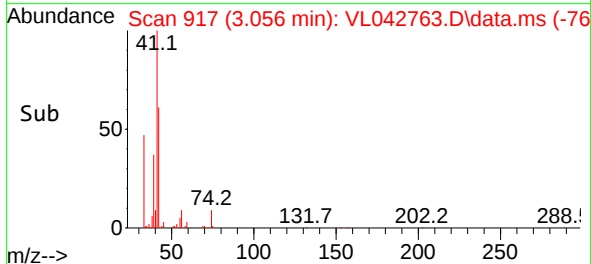
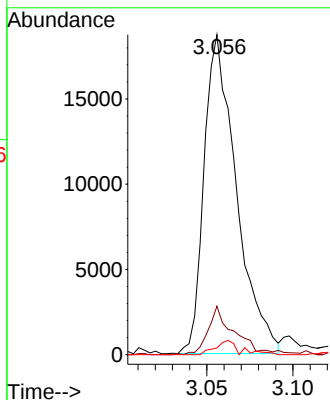
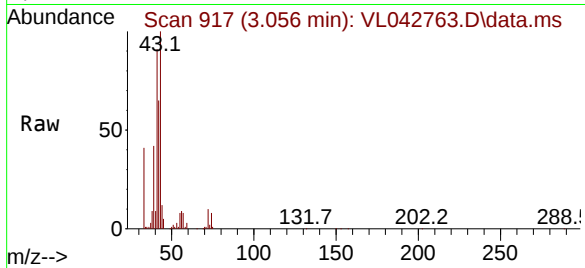




#41
Tetrahydrofuran
Concen: 1.597 ppbv
RT: 3.056 min Scan# 915
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

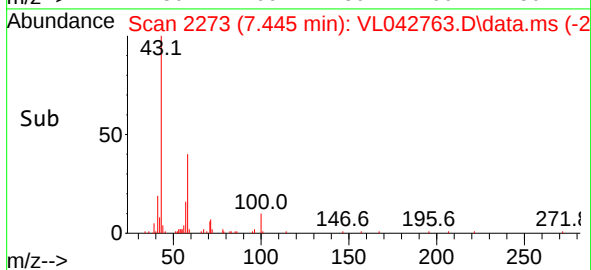
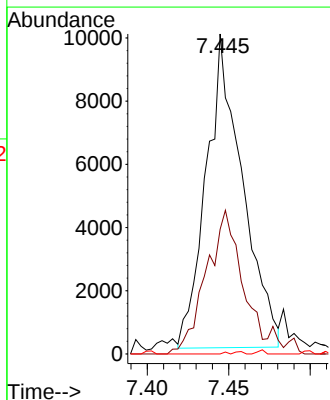
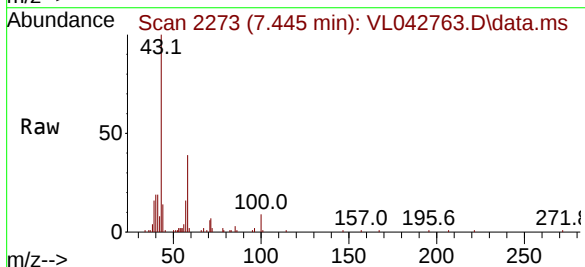
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

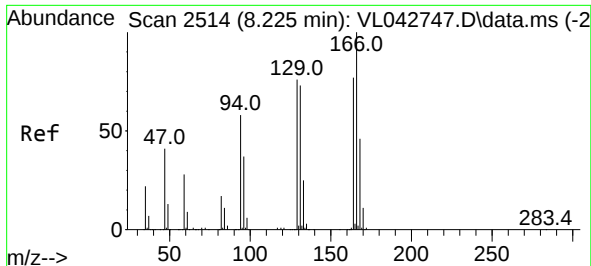
Tgt Ion: 42 Resp: 24393
Ion Ratio Lower Upper
42 100
72 12.9 30.9 46.3#
71 3.4 28.6 43.0#



#51
2-Hexanone
Concen: 0.524 ppbv
RT: 7.445 min Scan# 2273
Delta R.T. 0.013 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 43 Resp: 15306
Ion Ratio Lower Upper
43 100
58 48.9 38.0 57.0
98 0.0 0.2 0.4#

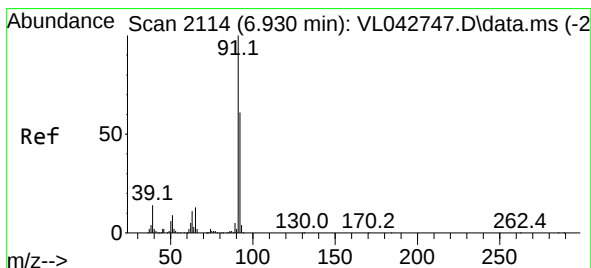
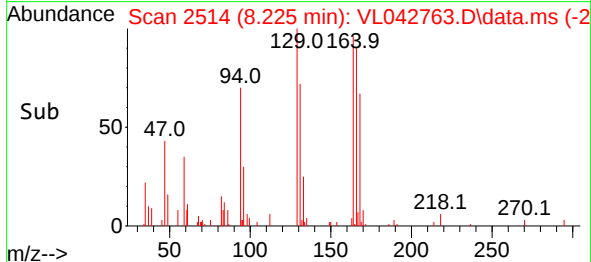
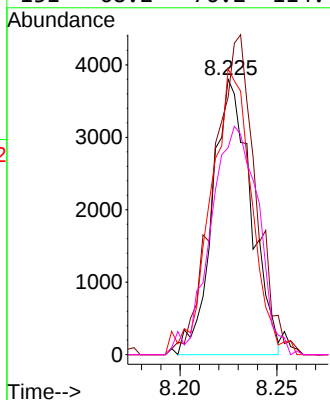
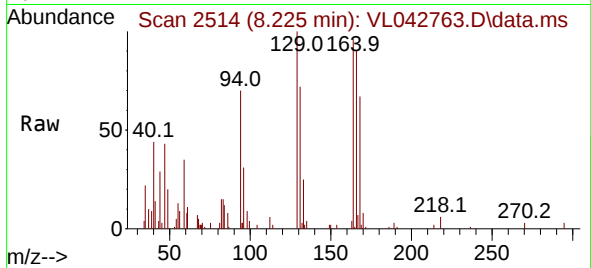




#52
Tetrachloroethene
Concen: 0.315 ppbv
RT: 8.225 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

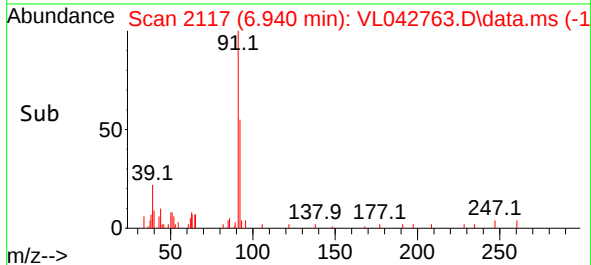
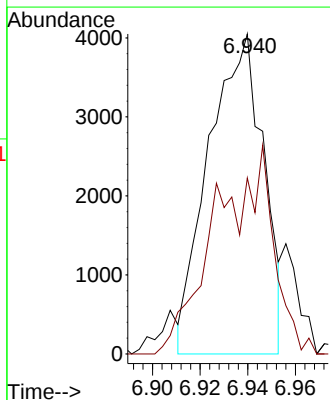
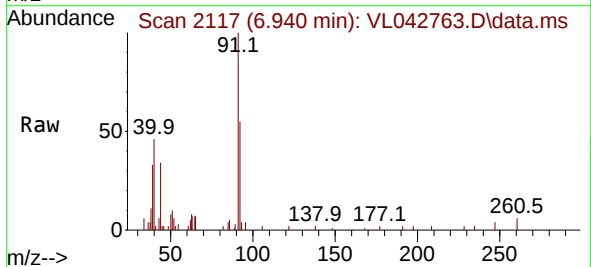
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

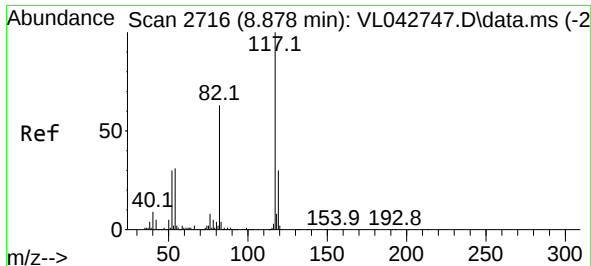
Tgt Ion:164 Resp: 5241
Ion Ratio Lower Upper
164 100
166 89.0 104.0 156.0#
129 100.3 79.2 118.8
131 68.2 76.2 114.4#



#53
Toluene
Concen: 0.150 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 91 Resp: 6462
Ion Ratio Lower Upper
91 100
92 68.2 48.0 72.0

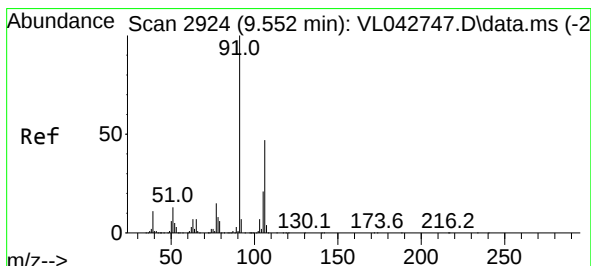
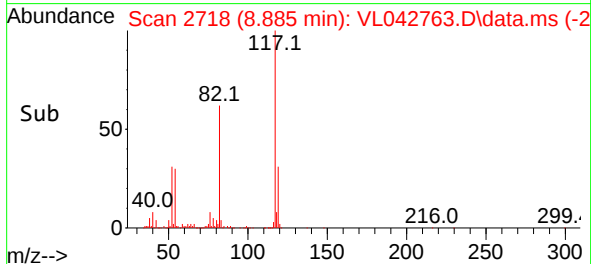
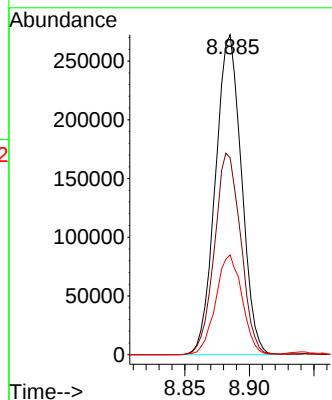
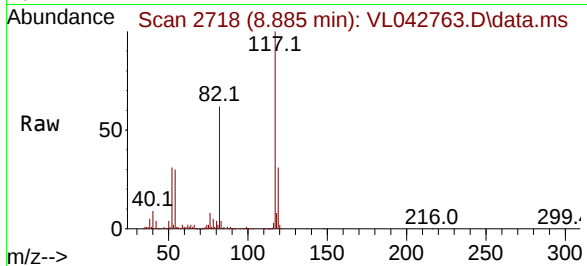




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2118
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

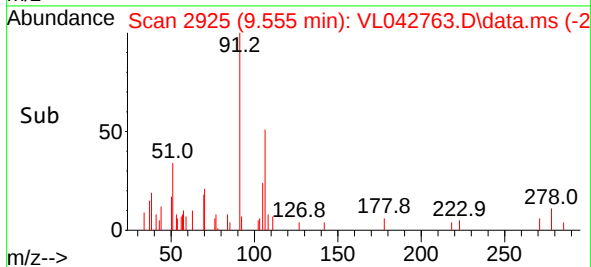
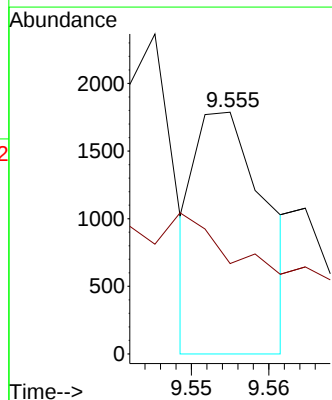
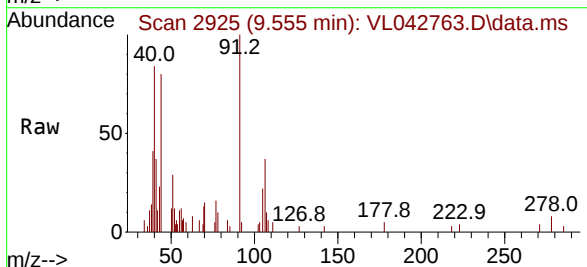
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

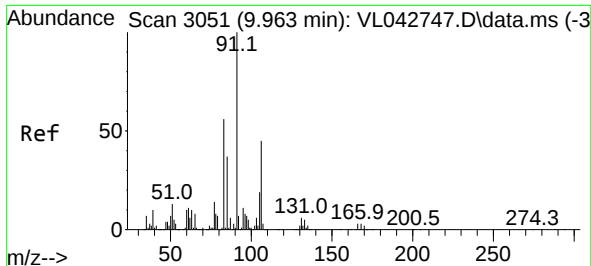
Tgt Ion:117 Resp: 382302
Ion Ratio Lower Upper
117 100
82 63.9 53.3 79.9
119 31.7 25.8 38.6



#59
m/p-Xylene
Concen: 0.023 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 91 Resp: 1126
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#

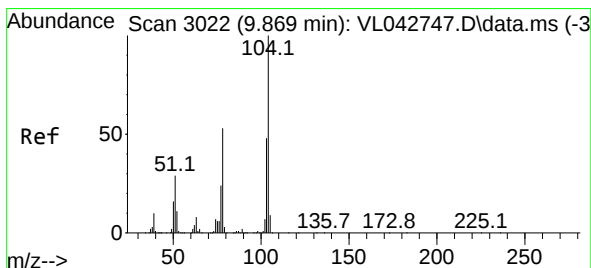
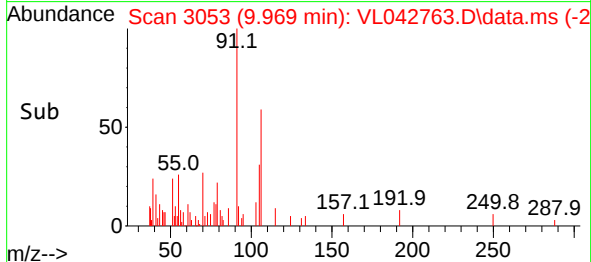
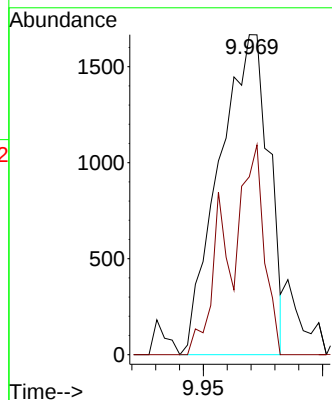
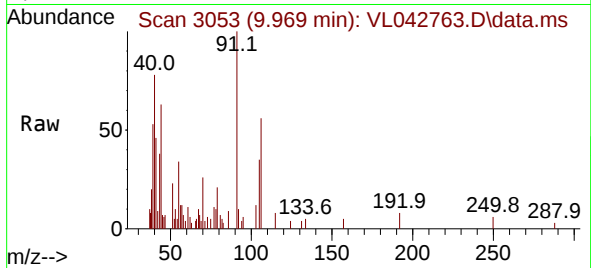




#60
o-Xylene
Concen: 0.050 ppbv
RT: 9.969 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

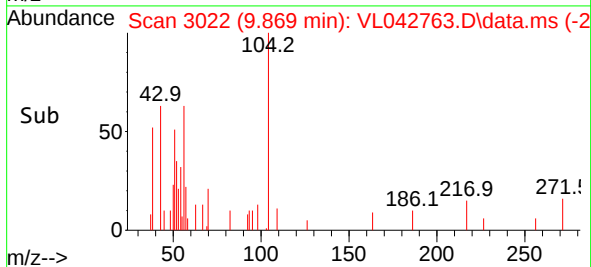
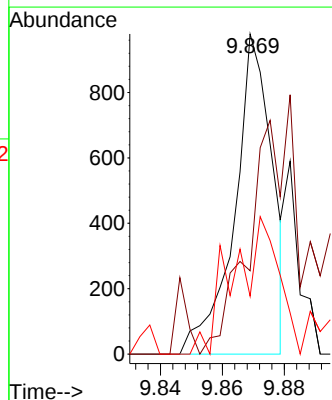
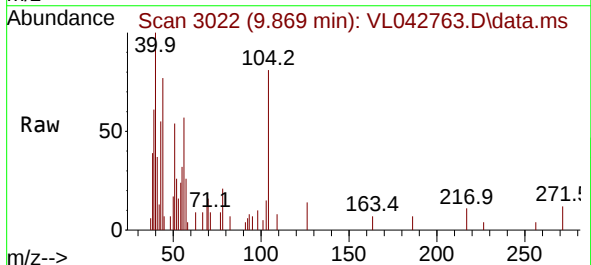
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

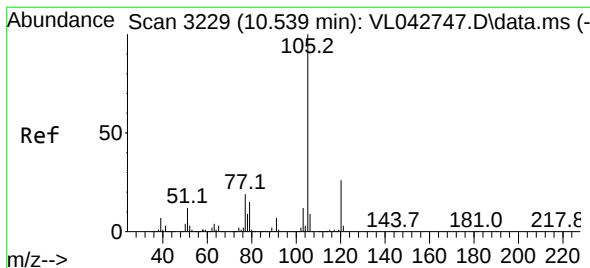
Tgt Ion: 91 Resp: 2415
Ion Ratio Lower Upper
91 100
106 47.2 22.0 66.0



#61
Styrene
Concen: 0.041 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:104 Resp: 822
Ion Ratio Lower Upper
104 100
78 11.1 41.5 62.3#
103 62.8 37.5 56.3#





#62

Isopropylbenzene

Concen: 0.108 ppbv

RT: 10.814 min Scan# 3314

Delta R.T. 0.275 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Instrument :

MSVOA_1

ClientSampleId :

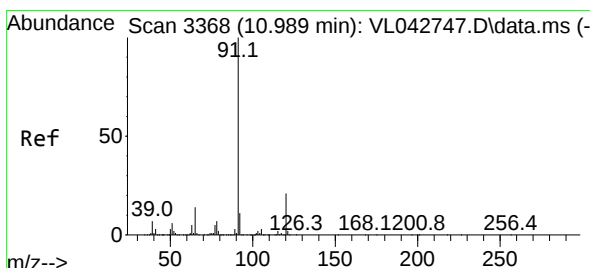
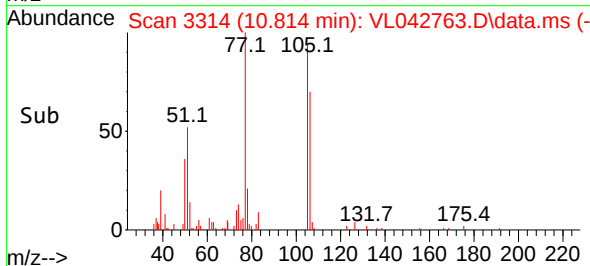
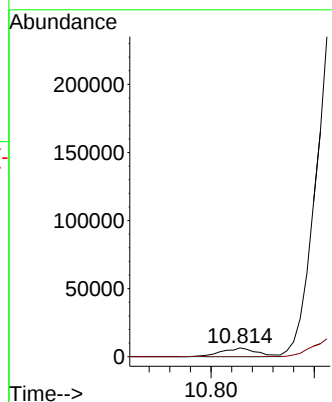
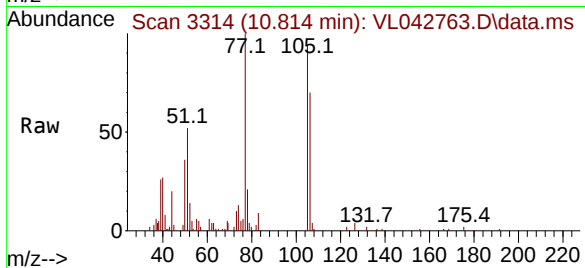
118-SG1

Tgt Ion:105 Resp: 7688

Ion Ratio Lower Upper

105 100

120 0.0 20.5 30.7#



#64

n-propylbenzene

Concen: 0.028 ppbv

RT: 11.060 min Scan# 3390

Delta R.T. 0.071 min

Lab File: VL042763.D

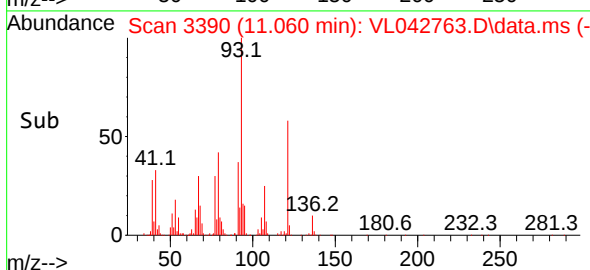
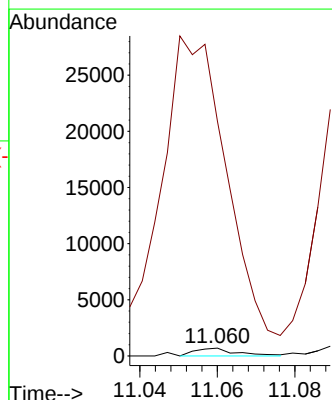
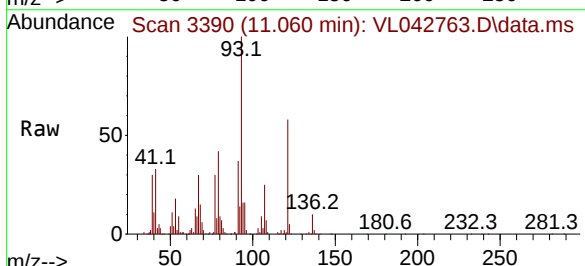
Acq: 24 Jul 2025 13:52

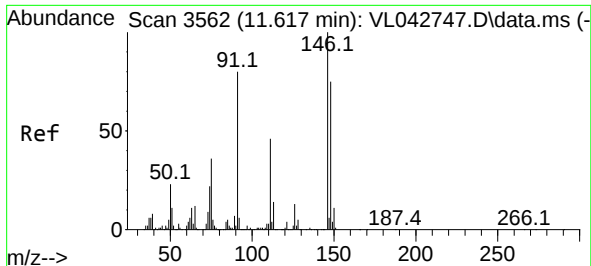
Tgt Ion:120 Resp: 525

Ion Ratio Lower Upper

120 100

91 0.0 372.7 559.1#

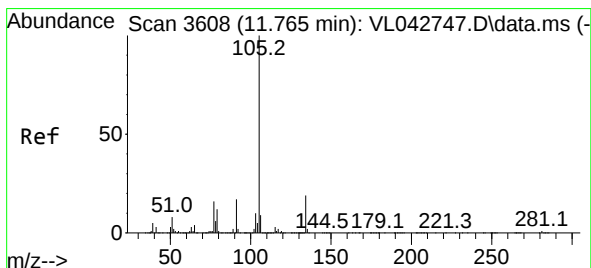
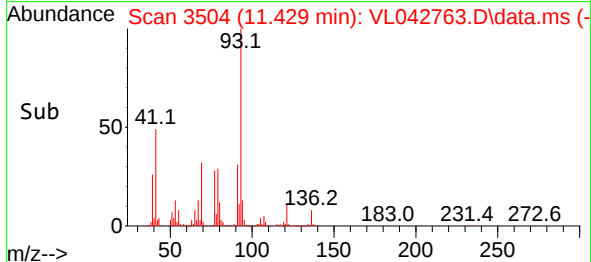
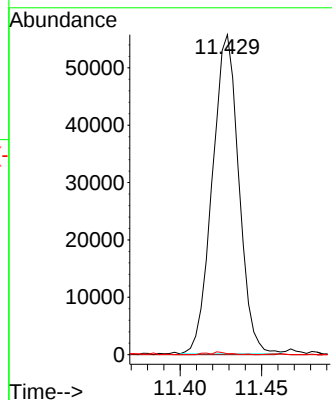
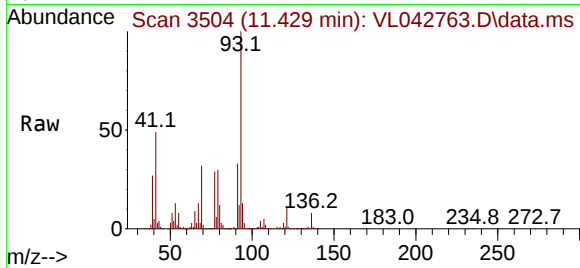




#66
Benzyl Chloride
Concen: 12.119 ppbv
RT: 11.429 min Scan# 3562
Delta R.T. -0.188 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

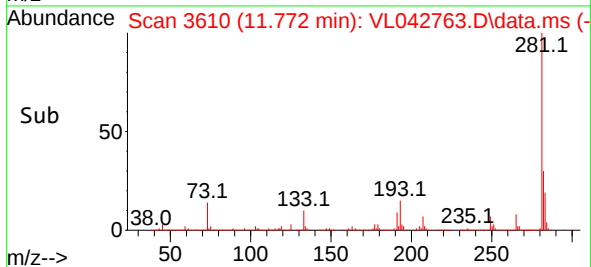
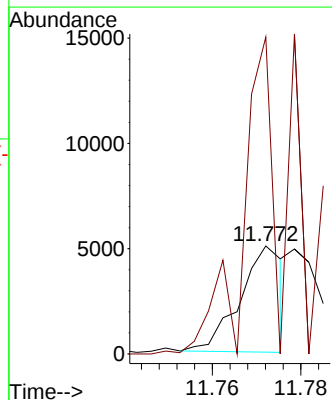
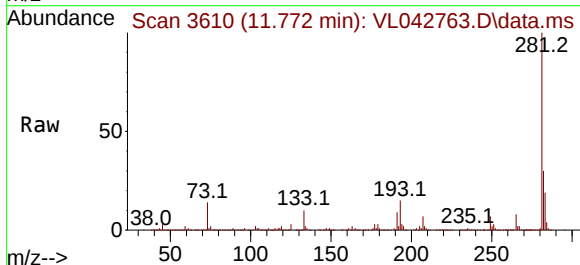
Instrument :
MSVOA_1
ClientSampleId :
118-SG1

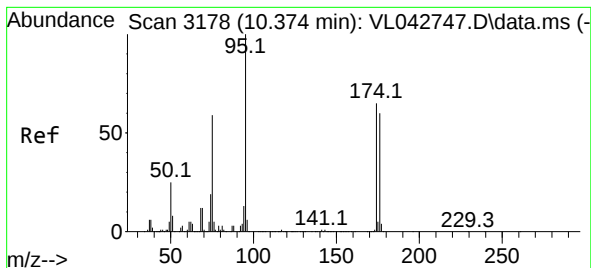
Tgt Ion: 91 Resp: 62847
Ion Ratio Lower Upper
91 100
126 0.0 14.4 21.6#
128 0.7 5.2 7.8#



#67
sec-Butylbenzene
Concen: 0.038 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 105 Resp: 3385
Ion Ratio Lower Upper
105 100
134 0.0 15.5 23.3#

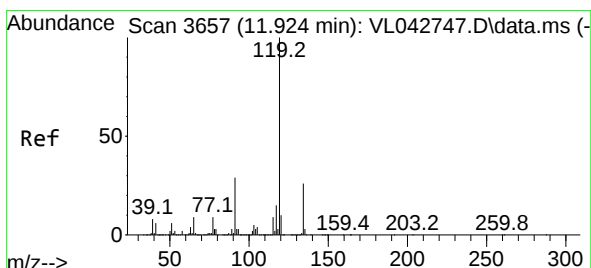
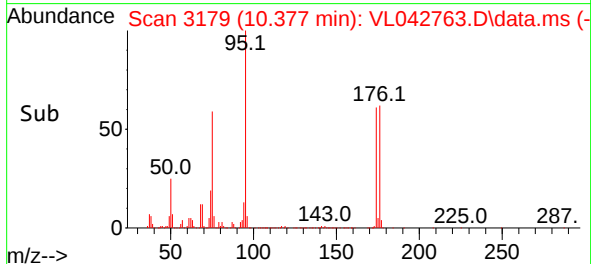
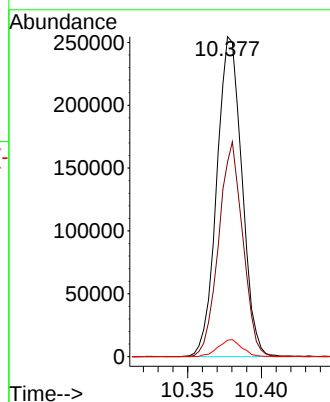
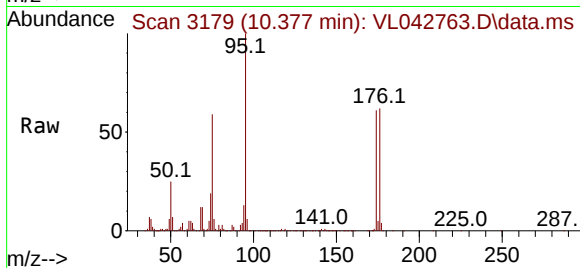




#68
1-Bromo-4-Fluorobenzene
Concen: 9.942 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

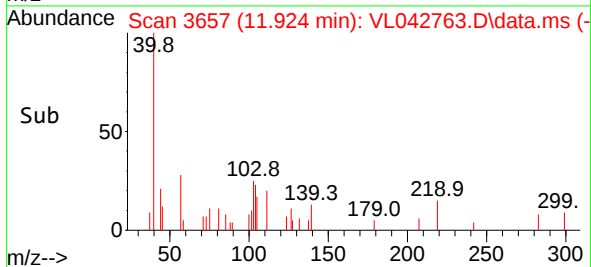
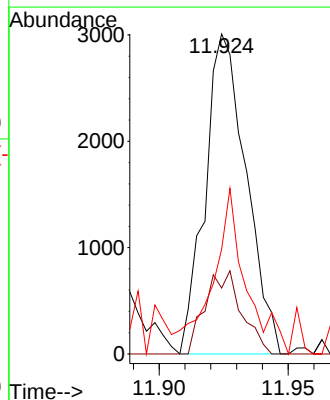
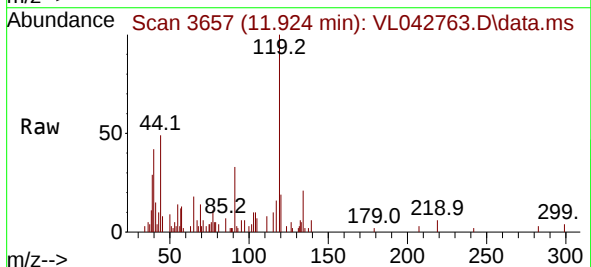
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

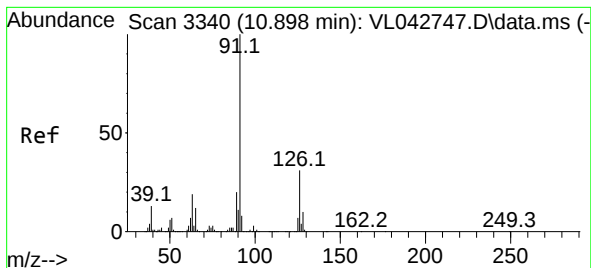
Tgt Ion: 95 Resp: 301001
Ion Ratio Lower Upper
95 100
174 64.6 53.8 80.6
175 5.1 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.046 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 119 Resp: 3335
Ion Ratio Lower Upper
119 100
134 23.0 20.6 31.0
91 61.3 23.2 34.8#

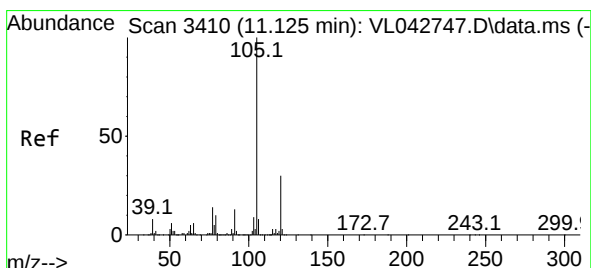
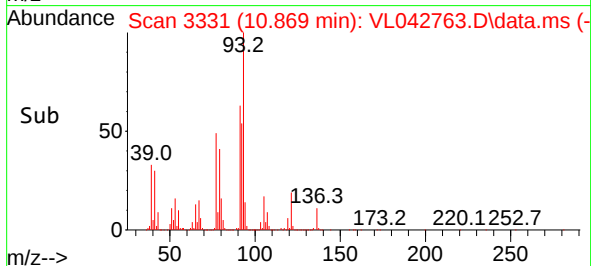
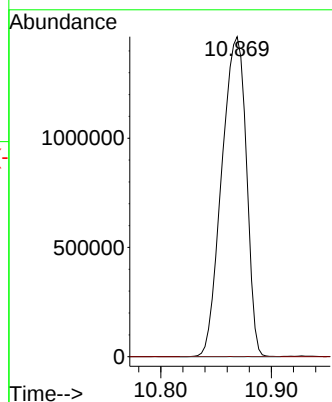
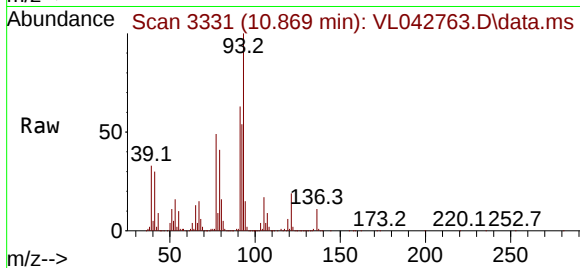




#71
2-Chlorotoluene
Concen: 41.548 ppbv
RT: 10.869 min Scan# 311
Delta R.T. -0.029 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

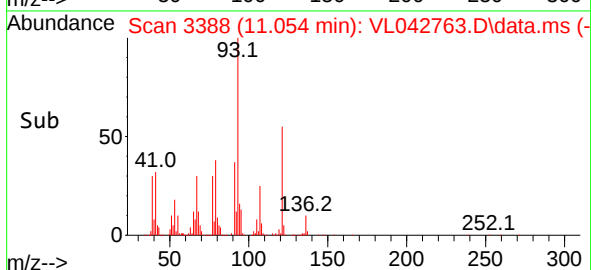
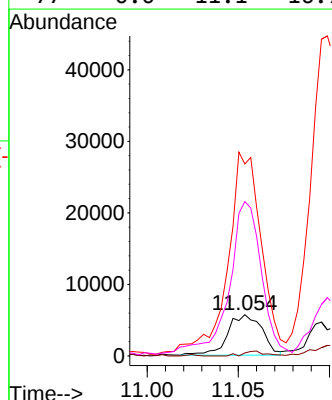
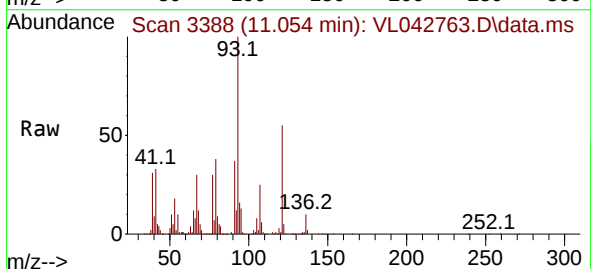
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

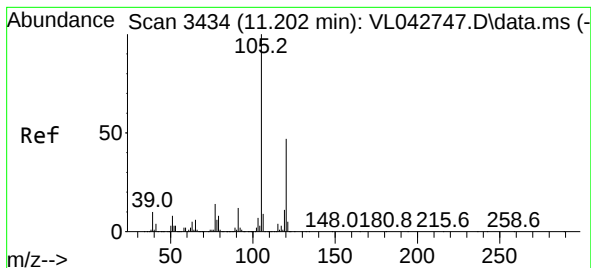
Tgt Ion: 91 Resp: 2265593
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.2#



#72
4-Ethyltoluene
Concen: 0.129 ppbv
RT: 11.054 min Scan# 3388
Delta R.T. -0.071 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 105 Resp: 7414
Ion Ratio Lower Upper
105 100
120 26.9 24.4 36.6
91 0.0 10.6 15.8#
77 0.0 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.156 ppbv

RT: 11.054 min Scan# 31

Delta R.T. -0.149 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Instrument :

MSVOA_L

ClientSampleId :

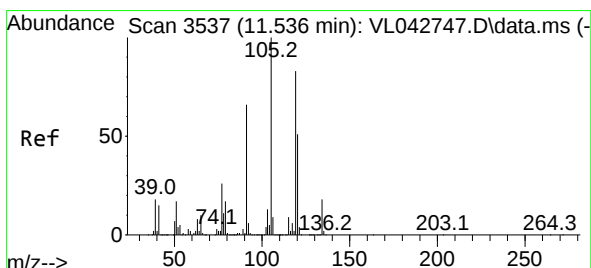
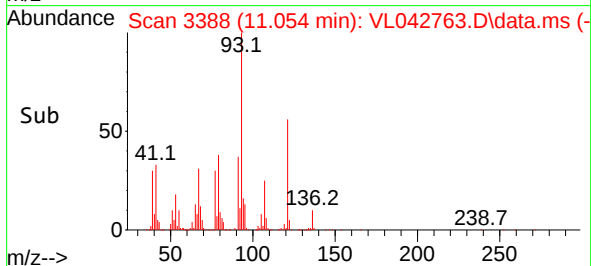
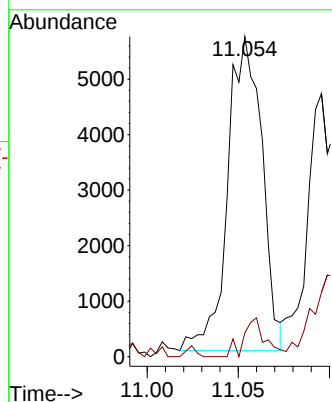
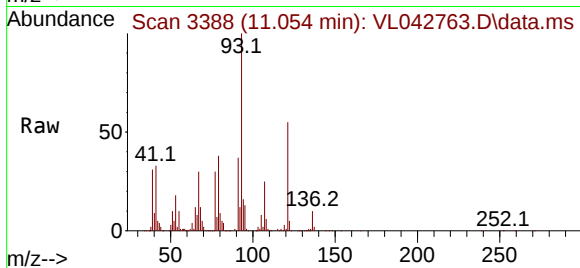
118-SG1

Tgt Ion:105 Resp: 7414

Ion Ratio Lower Upper

105 100

120 7.6 37.8 56.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.058 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Tgt Ion:105 Resp: 3016

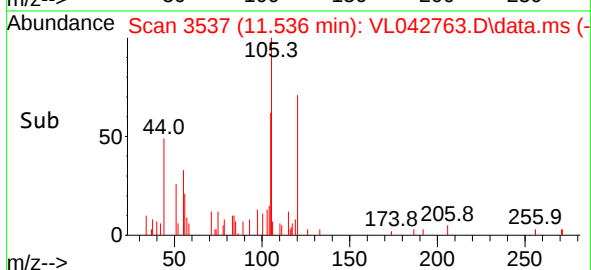
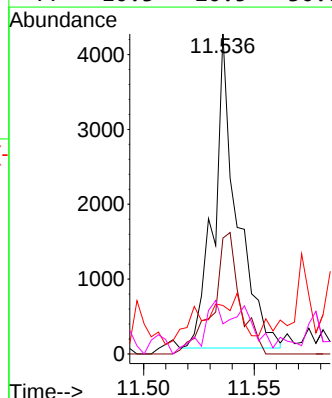
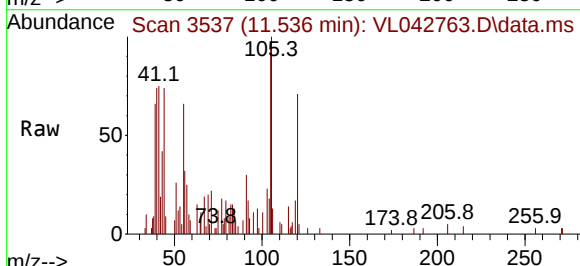
Ion Ratio Lower Upper

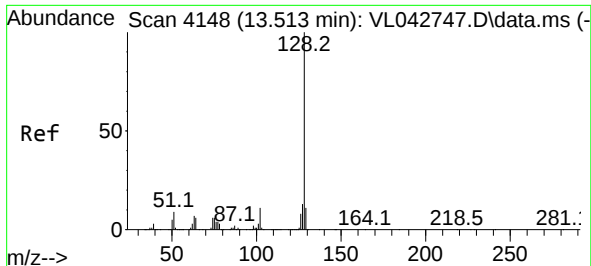
105 100

120 36.9 40.8 61.2#

91 7.6 53.0 79.4#

77 10.3 20.5 30.7#

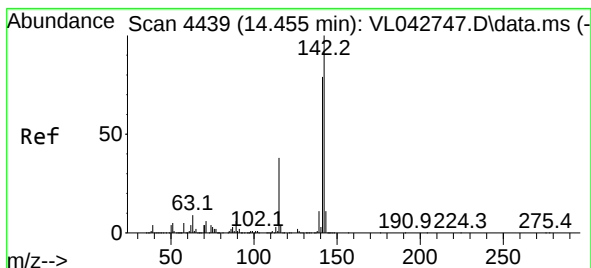
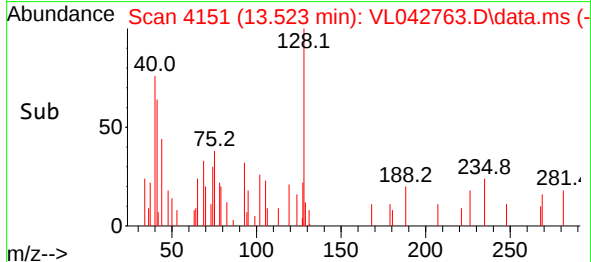
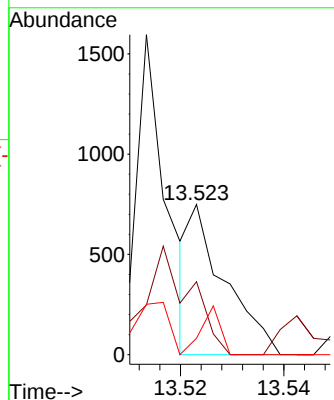
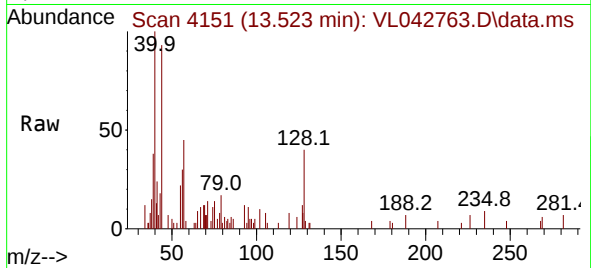




#79
Naphthalene
Concen: 0.441 ppbv
RT: 13.523 min Scan# 4148
Delta R.T. 0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

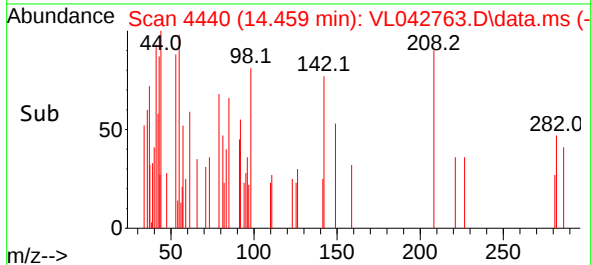
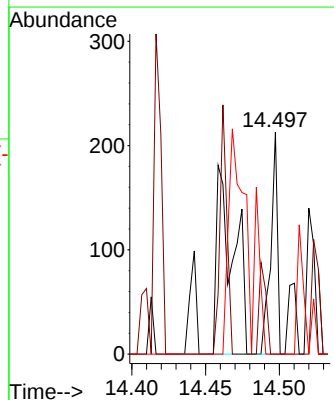
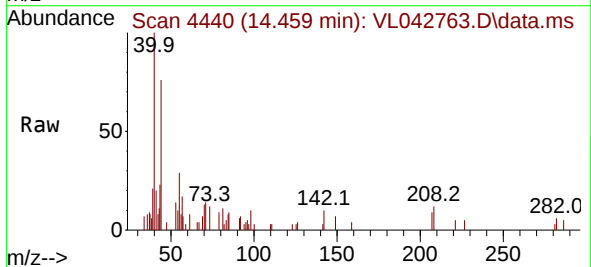
Instrument :
MSVOA_L
ClientSampleId :
118-SG1

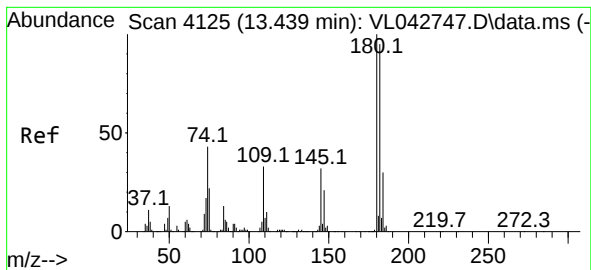
Tgt Ion:128 Resp: 359
Ion Ratio Lower Upper
128 100
127 31.9 10.5 15.7#
129 10.9 8.6 13.0



#80
Naphthalene,2-methyl-
Concen: 1.136 ppbv
RT: 14.459 min Scan# 4440
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

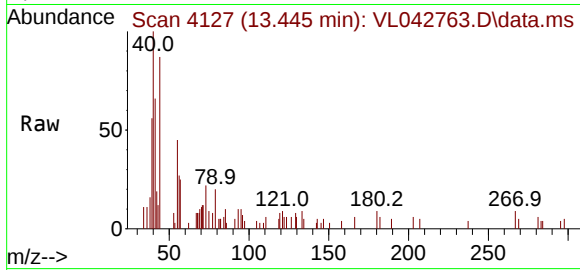
Tgt Ion:142 Resp: 241
Ion Ratio Lower Upper
142 100
141 32.8 65.8 98.8#
115 82.6 31.2 46.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.436 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL042763.D
 Acq: 24 Jul 2025 13:52

Instrument :
 MSVOA_L
 ClientSampleId :
 118-SG1



Tgt Ion:	180	Resp:	45
Ion Ratio	Lower	Upper	
180	100		
182	362.2	76.2	114.2#
184	0.0	24.8	37.2#

