

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042808.D
 Acq On : 04 Aug 2025 16:51
 Operator : SY/MD
 Sample : Q2750-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 01:09:05 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	2.784	49	152020	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	420636	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	367596	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	293841	10.094	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.900%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	10303	0.513	ppbv	99
3) Chlorodifluoromethane	1.473	51	210688	8.047	ppbv	98
4) Chloromethane	1.531	50	7293	0.897	ppbv	99
6) Bromomethane	1.667	94	380	0.122	ppbv #	68
7) Chloroethane	1.706	64	235	0.076	ppbv #	74
9) Propene	1.887	41	488180	51.301	ppbv	92
10) Heptane	4.985	43	2971	0.116	ppbv #	8
11) Trichlorofluoromethane	1.877	101	5149	0.249	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.140	101	1206	0.077	ppbv	92
13) Ethanol	1.722	45	712063	1026.518	ppbv	90
15) Acetone	1.832	43	309064	14.723	ppbv	95
16) 1,3-Butadiene	1.622	39	29495	3.294	ppbv #	23
17) tert-Butyl alcohol	1.887	59	201114	10.623	ppbv #	94
19) Isopropyl Alcohol	1.887	45	2902165	260.163	ppbv #	39
20) Methylene Chloride	2.059	84	8310	1.256	ppbv	96
21) Allyl Chloride	1.962	41	25429	1.966	ppbv #	22
23) Vinyl Acetate	2.450	43	26592	1.045	ppbv	99
25) Ethyl Acetate	2.829	43	39530	0.851	ppbv #	92
26) Hexane	2.826	57	42822	2.101	ppbv #	48
27) Carbon Disulfide	2.149	76	3071	0.176	ppbv #	67
34) 2-Butanone	2.554	43	38827	1.303	ppbv	98
35) Carbon Tetrachloride	3.761	117	2354	0.075	ppbv #	75
36) Benzene	3.658	78	12707	0.319	ppbv	98
39) 1,2-Dichloropropane	3.955	63	109037	7.410	ppbv #	22
41) Tetrahydrofuran	3.055	42	477	0.031	ppbv #	38
44) 2,2,4-Trimethylpentane	4.645	57	2268	0.035	ppbv #	41
51) 2-Hexanone	7.441	43	1937	0.067	ppbv #	34
53) Toluene	6.933	91	13897	0.325	ppbv	99
58) Ethyl Benzene	9.354	91	1785	0.031	ppbv	95
59) m/p-Xylene	9.545	91	1829	0.039	ppbv #	30
60) o-Xylene	9.962	91	1906	0.041	ppbv #	61
66) Benzyl Chloride	11.542	91	975	0.196	ppbv #	70
69) p-Isopropyltoluene	11.924	119	20163	0.286	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	5708	0.115	ppbv #	63
79) Naphthalene	13.513	128	1257	0.457	ppbv #	88
80) Naphthalene,2-methyl-	14.461	142	212	1.135	ppbv #	74
81) 1,2,4-Trichlorobenzene	13.426	180	70	0.437	ppbv #	12

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

Instrument :

MSVOA L

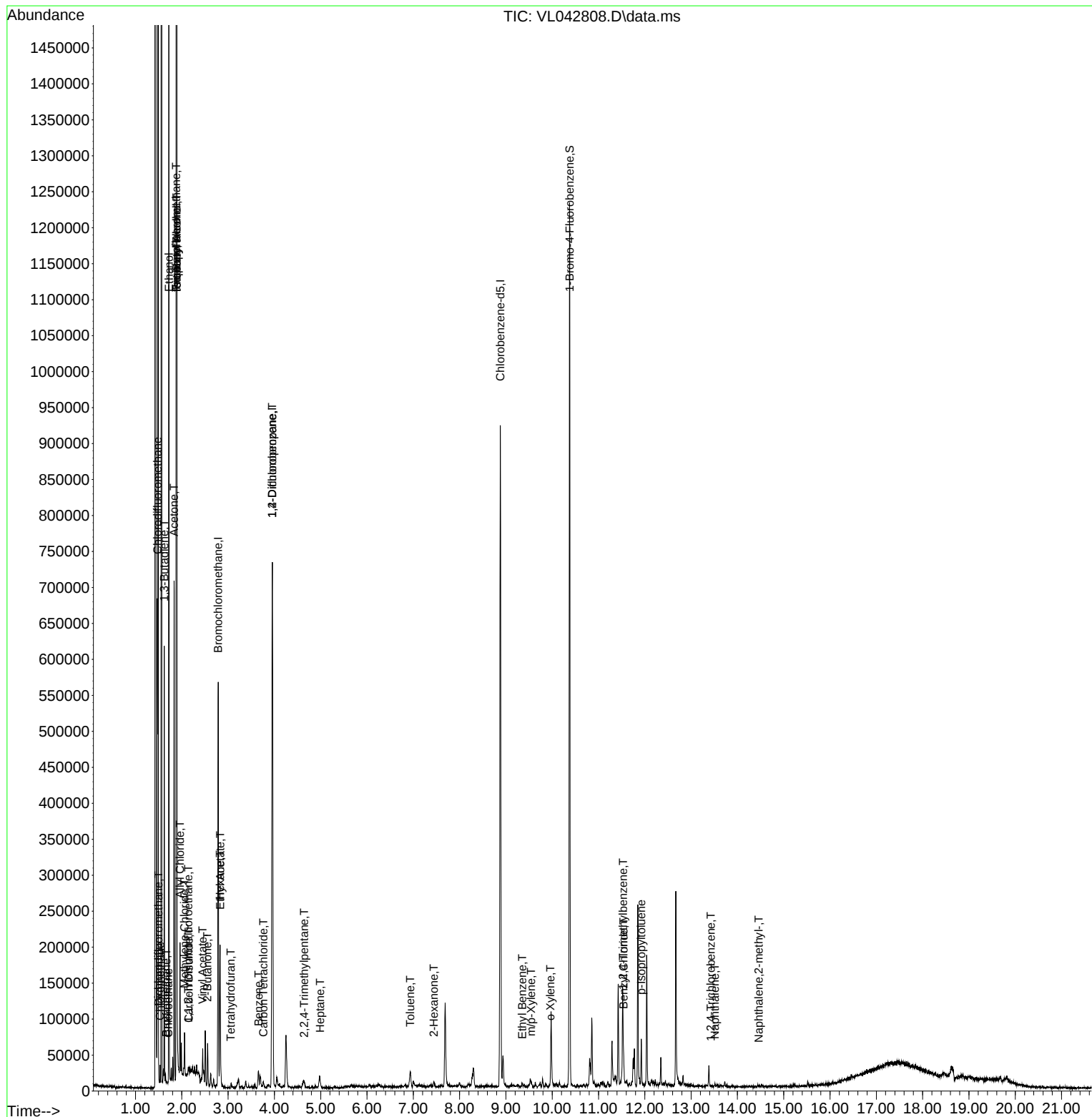
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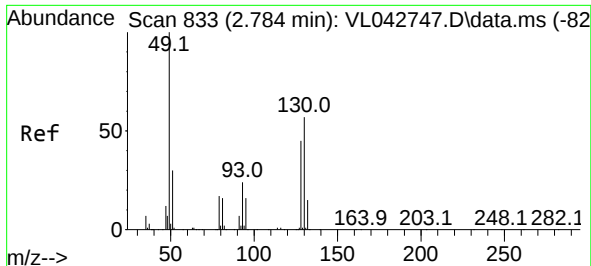
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

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

Response via : Initial Calibration

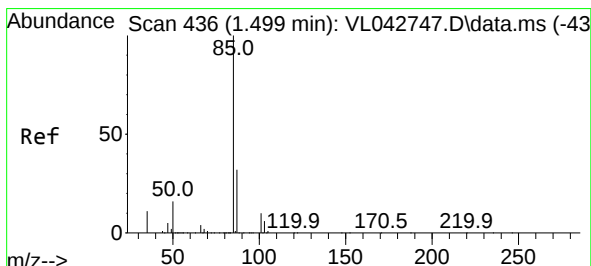
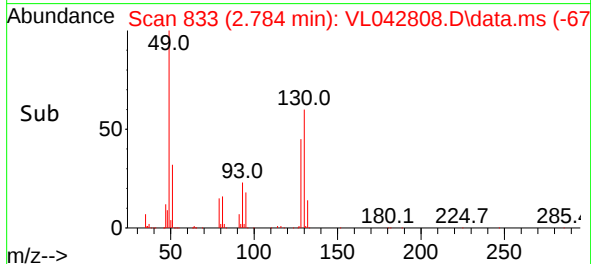
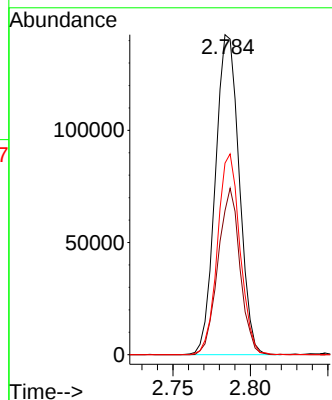
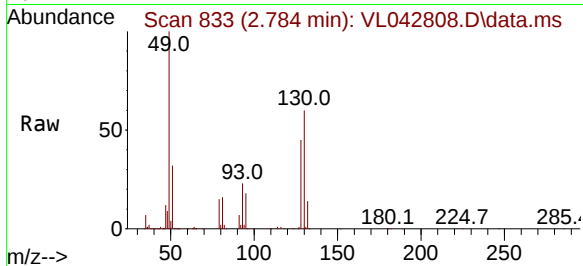




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042808.D
 Acq: 04 Aug 2025 16:51

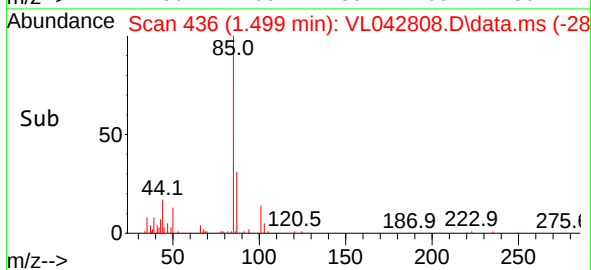
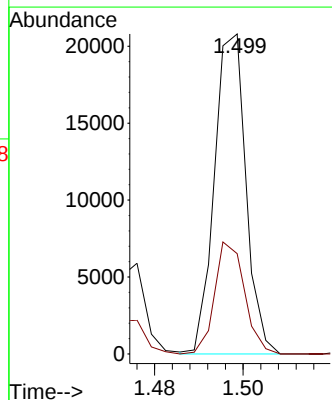
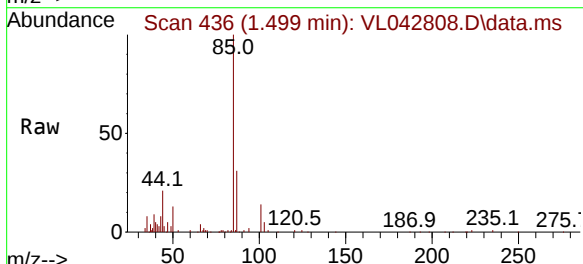
Instrument :
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 ClientSampleId :

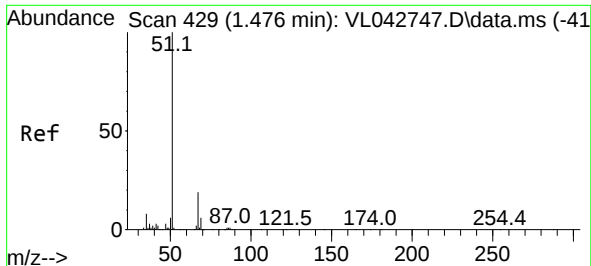
Tgt Ion: 49 Resp: 152020
 Ion Ratio Lower Upper
 49 100
 128 48.0 23.6 71.0
 130 59.4 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 0.513 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042808.D
 Acq: 04 Aug 2025 16:51

Tgt Ion: 85 Resp: 10303
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.4 38.2

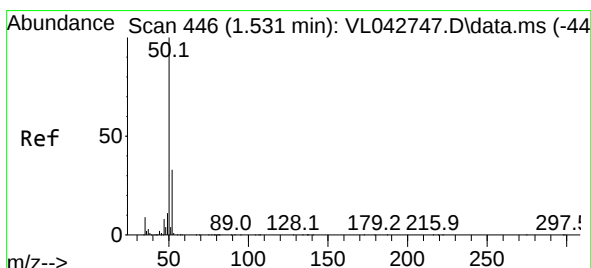
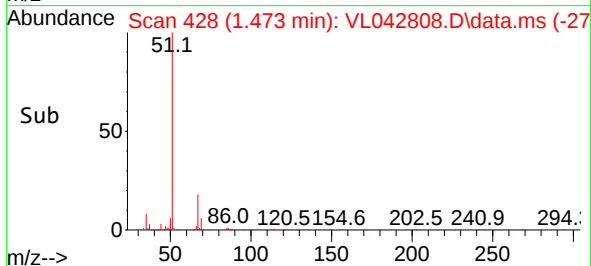
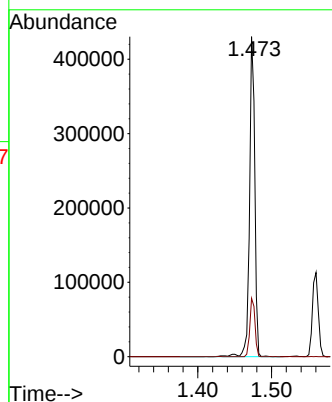
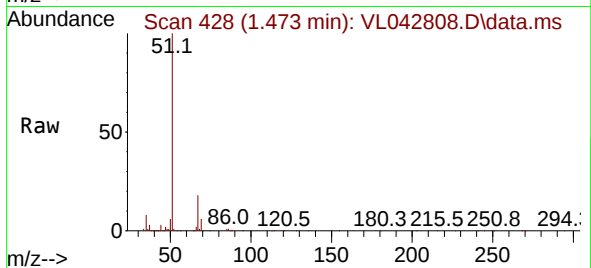




#3
Chlorodifluoromethane
Concen: 8.047 ppbv
RT: 1.473 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

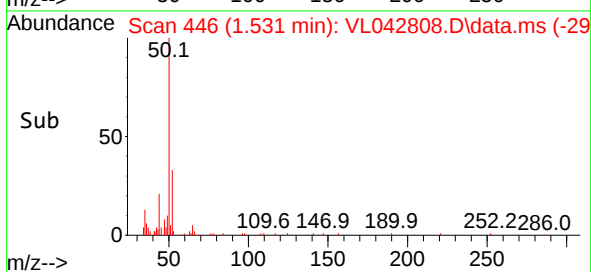
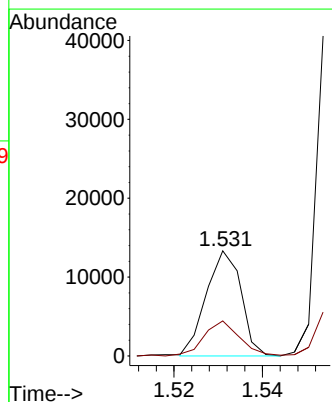
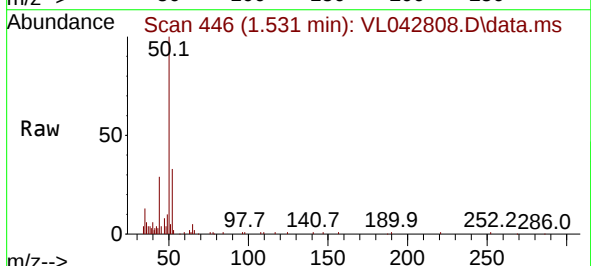
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ClientSampleId :

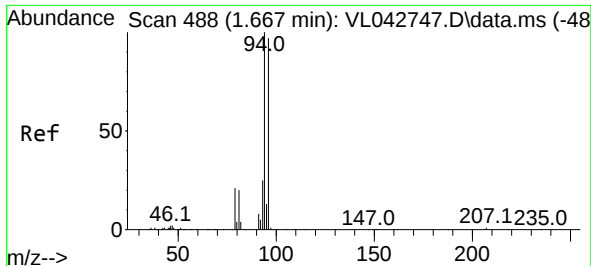
Tgt Ion: 51 Resp: 210688
Ion Ratio Lower Upper
51 100
67 18.0 15.0 22.6



#4
Chloromethane
Concen: 0.897 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

Tgt Ion: 50 Resp: 7293
Ion Ratio Lower Upper
50 100
52 32.6 26.6 40.0

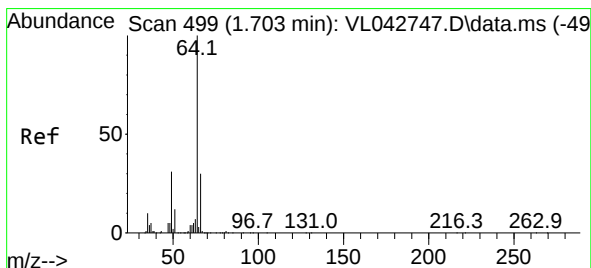
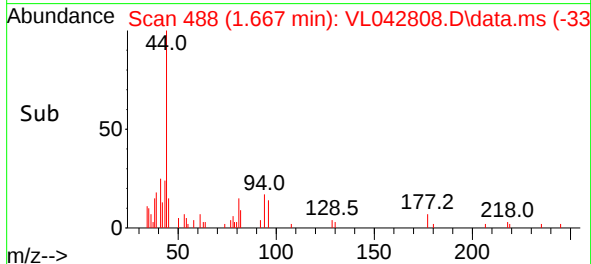
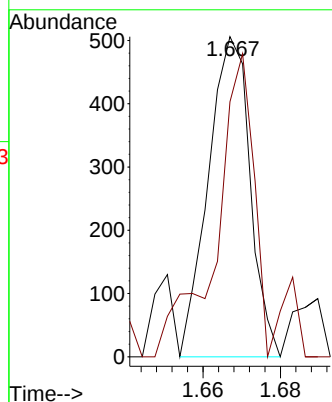
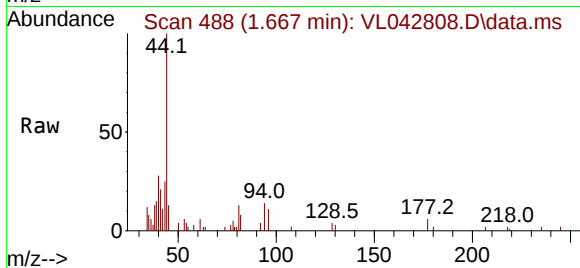




#6
Bromomethane
Concen: 0.122 ppbv
RT: 1.667 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

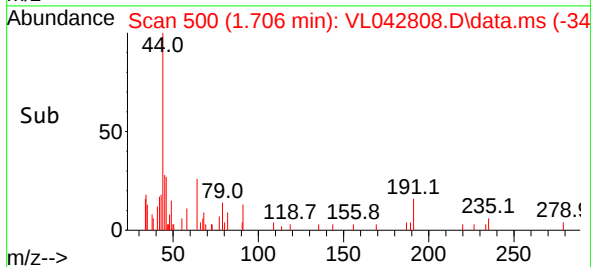
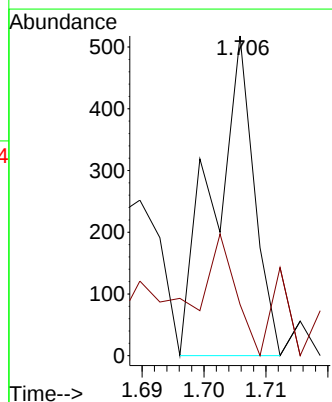
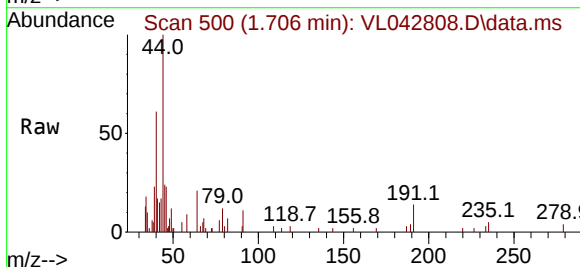
Instrument :
MSVOA_L
ClientSampleId :

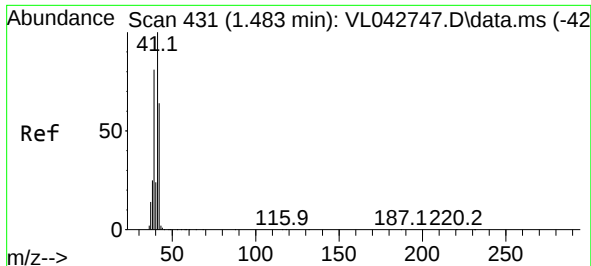
Tgt Ion: 94 Resp: 380
Ion Ratio Lower Upper
94 100
96 65.4 77.6 116.4#



#7
Chloroethane
Concen: 0.076 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

Tgt Ion: 64 Resp: 235
Ion Ratio Lower Upper
64 100
66 16.0 24.1 36.1#

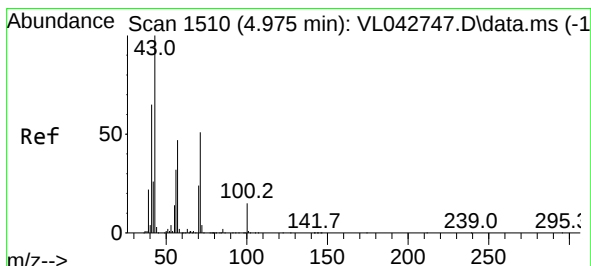
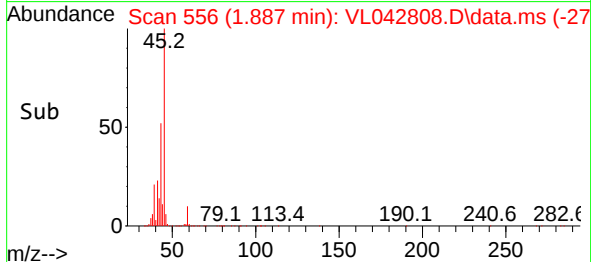
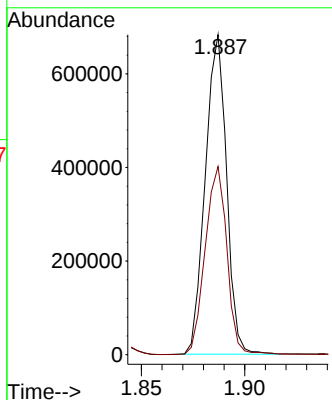
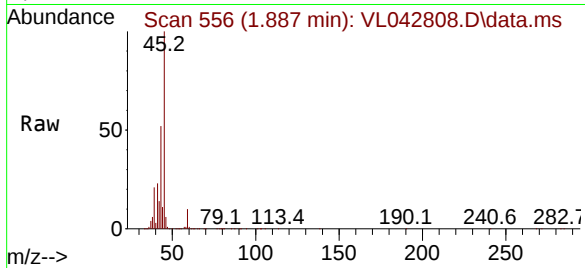




#9
 Propene
 Concen: 51.301 ppbv
 RT: 1.887 min Scan# 51
 Delta R.T. 0.404 min
 Lab File: VL042808.D
 Acq: 04 Aug 2025 16:51

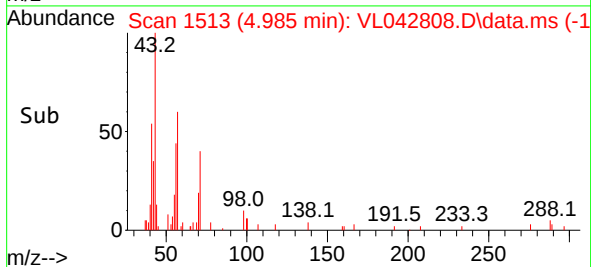
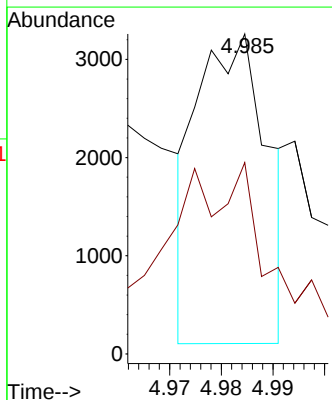
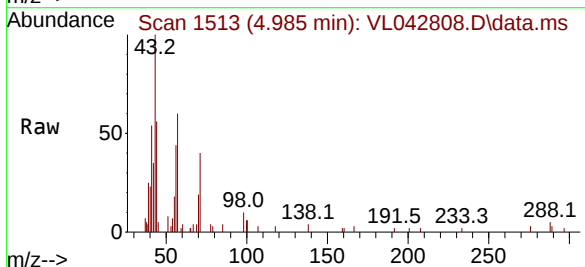
Instrument :
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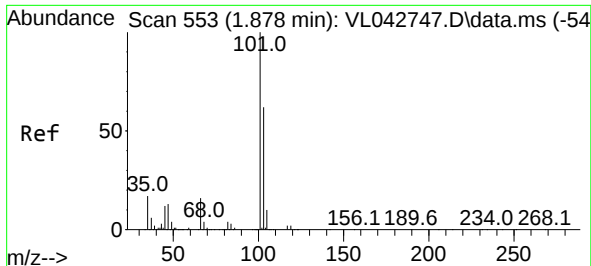
Tgt Ion: 41 Resp: 488180
 Ion Ratio Lower Upper
 41 100
 42 60.1 53.2 79.8



#10
 Heptane
 Concen: 0.116 ppbv
 RT: 4.985 min Scan# 1513
 Delta R.T. 0.010 min
 Lab File: VL042808.D
 Acq: 04 Aug 2025 16:51

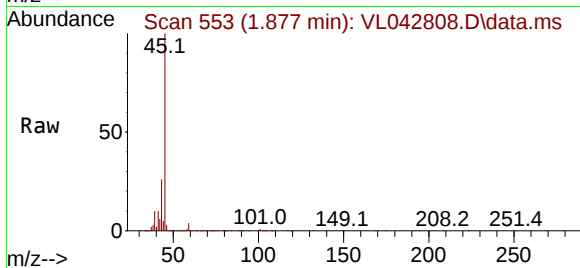
Tgt Ion: 43 Resp: 2971
 Ion Ratio Lower Upper
 43 100
 57 113.1 39.9 59.9#



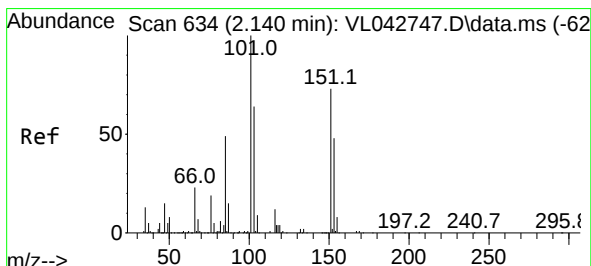
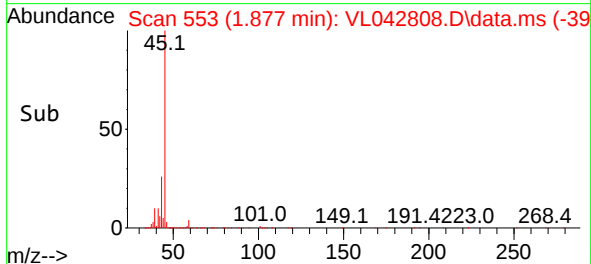
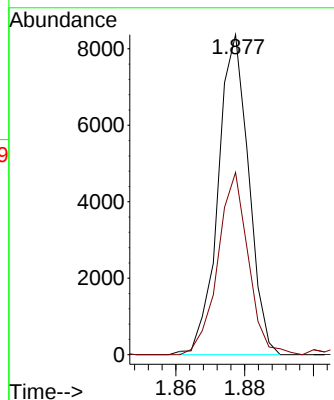


#11
 Trichlorofluoromethane
 Concen: 0.249 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042808.D
 Acq: 04 Aug 2025 16:51

Instrument :
 MSVOA_L
 ClientSampleId :

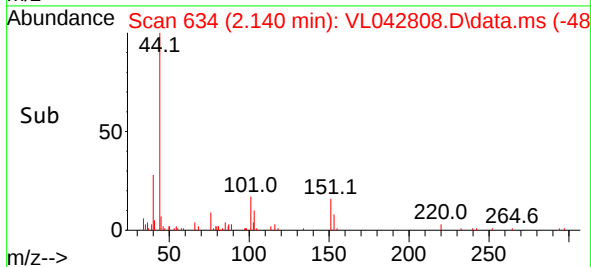
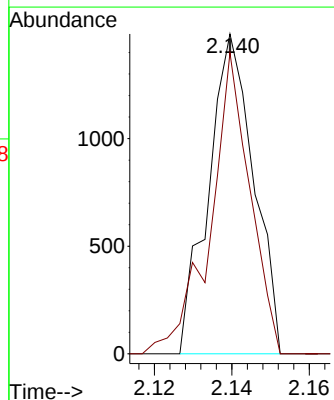
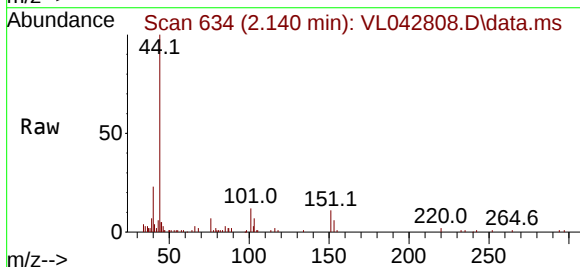


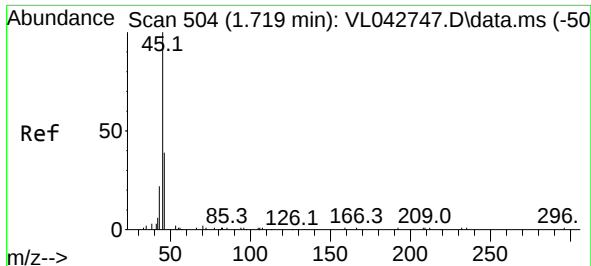
Tgt Ion:101 Resp: 5149
 Ion Ratio Lower Upper
 101 100
 103 56.9 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.077 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042808.D
 Acq: 04 Aug 2025 16:51

Tgt Ion:101 Resp: 1206
 Ion Ratio Lower Upper
 101 100
 151 82.4 60.5 90.7

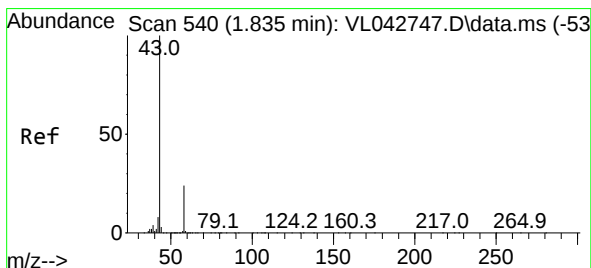
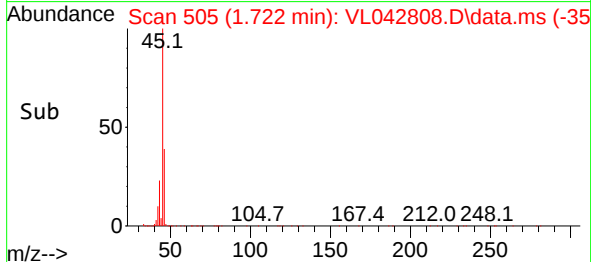
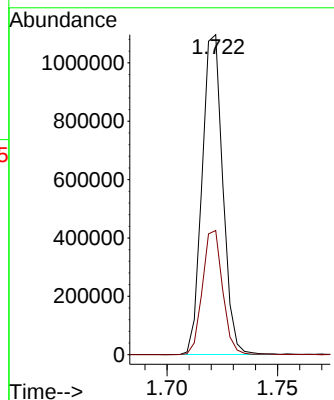
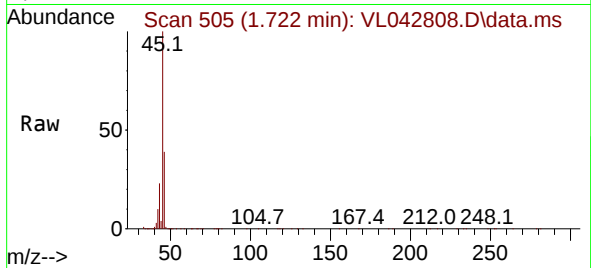




#13
Ethanol
Concen: 1026.518 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

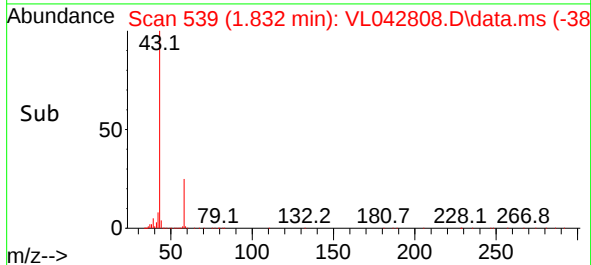
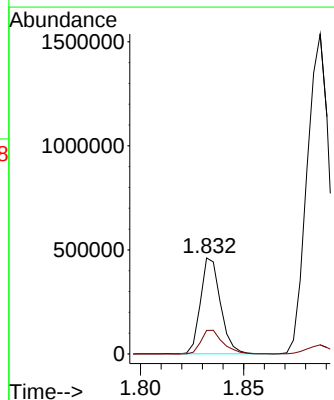
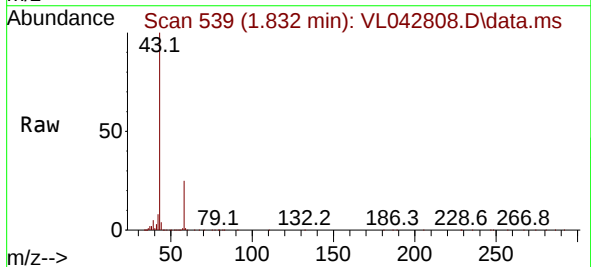
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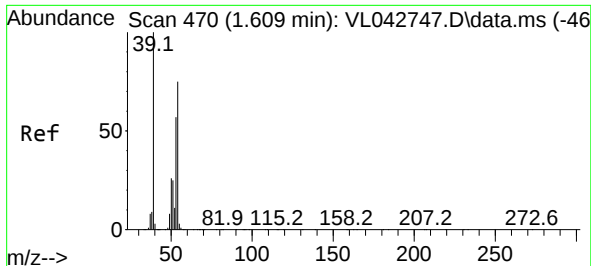
Tgt Ion: 45 Resp: 712063
Ion Ratio Lower Upper
45 100
46 38.1 17.8 71.4



#15
Acetone
Concen: 14.723 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

Tgt Ion: 43 Resp: 309064
Ion Ratio Lower Upper
43 100
58 27.3 19.8 29.8





#16

1,3-Butadiene

Concen: 3.294 ppbv

RT: 1.622 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL042808.D

Acq: 04 Aug 2025 16:51

Instrument :

MSVOA_L

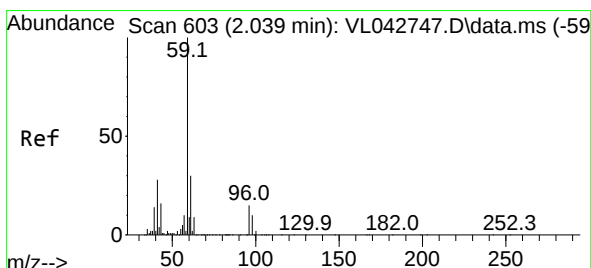
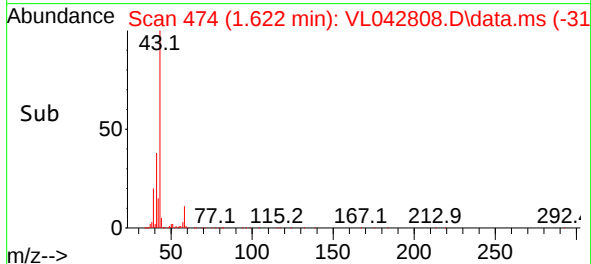
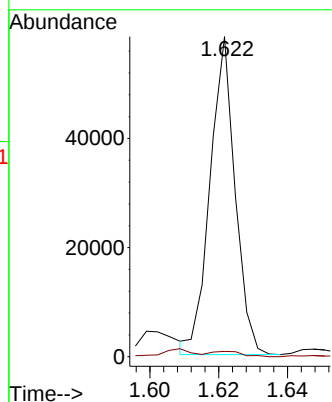
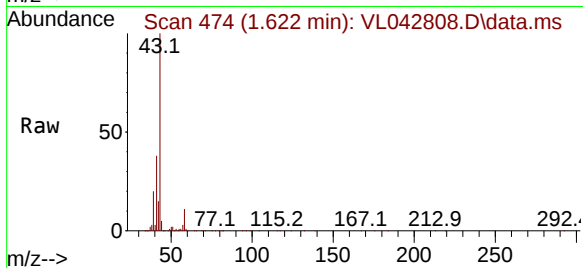
ClientSampleId :

Tgt Ion: 39 Resp: 29495

Ion Ratio Lower Upper

39 100

54 5.6 54.5 81.7#



#17

tert-Butyl alcohol

Concen: 10.623 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.152 min

Lab File: VL042808.D

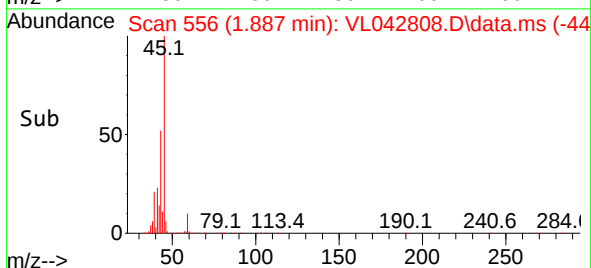
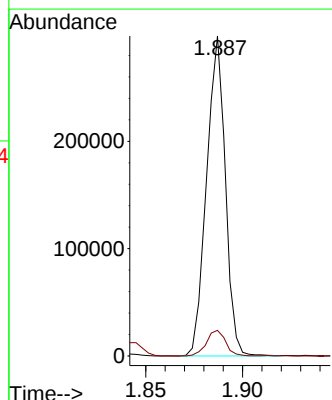
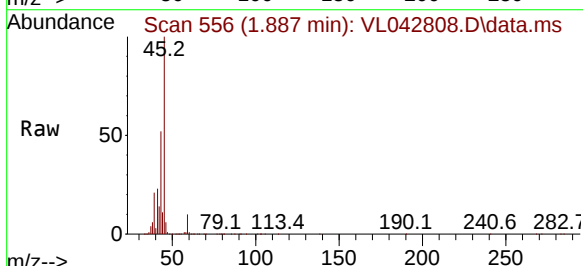
Acq: 04 Aug 2025 16:51

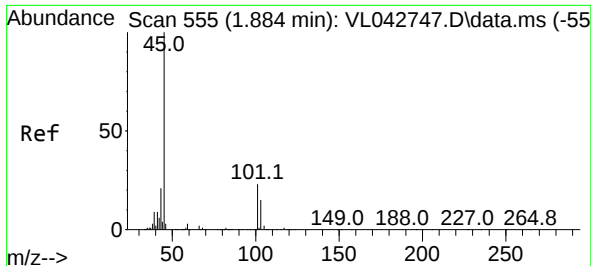
Tgt Ion: 59 Resp: 201114

Ion Ratio Lower Upper

59 100

57 8.3 8.3 12.5#

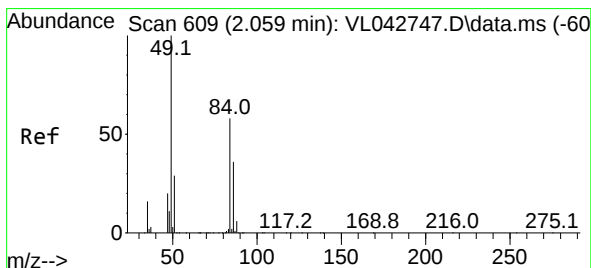
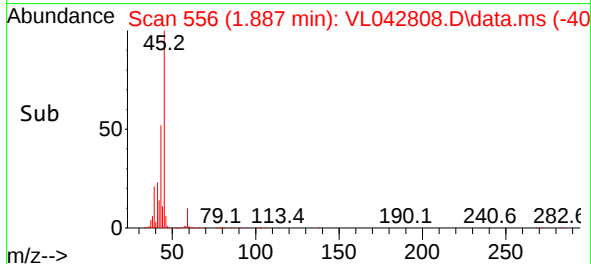
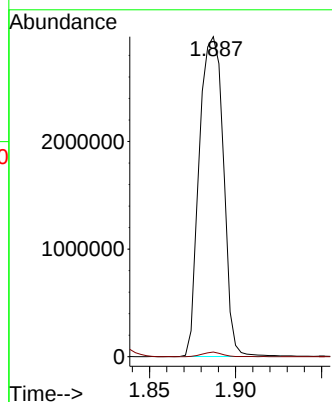
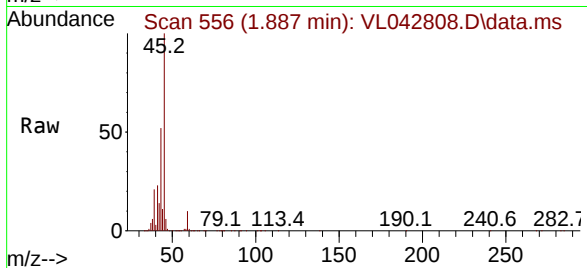




#19
Isopropyl Alcohol
Concen: 260.163 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

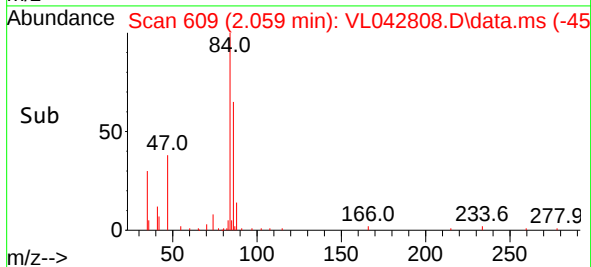
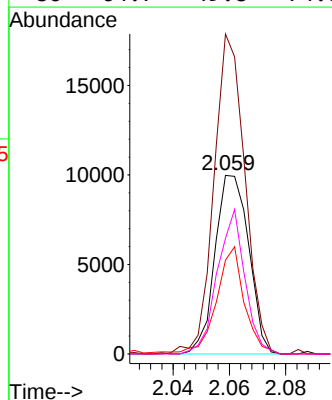
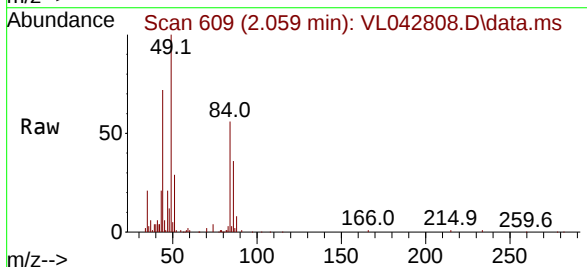
Instrument :
MSVOA_L
ClientSampleId :

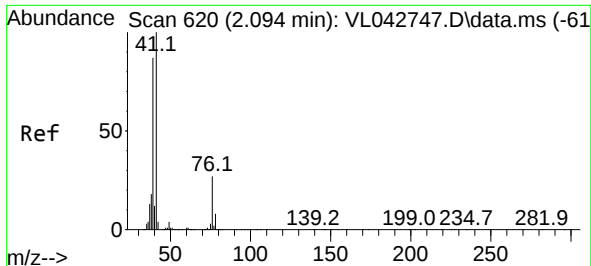
Tgt Ion: 45 Resp: 2902165
Ion Ratio Lower Upper
45 100
58 1.2 30.0 45.0#



#20
Methylene Chloride
Concen: 1.256 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

Tgt Ion: 84 Resp: 8310
Ion Ratio Lower Upper
84 100
49 179.2 138.6 208.0
51 52.5 40.6 61.0
86 64.7 49.8 74.8

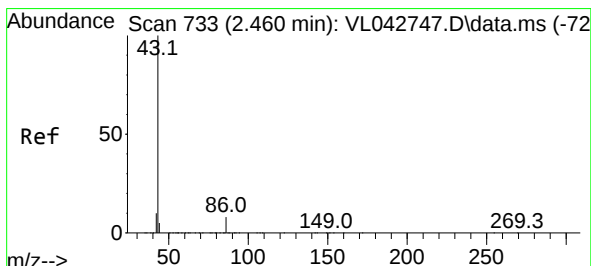
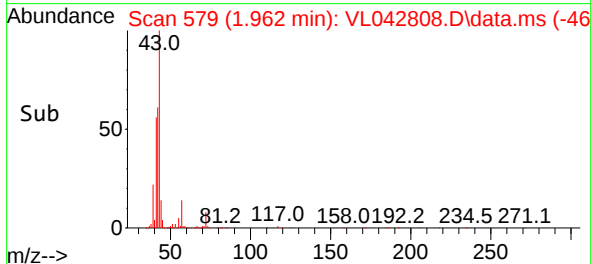
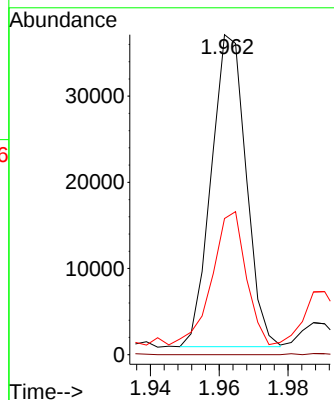
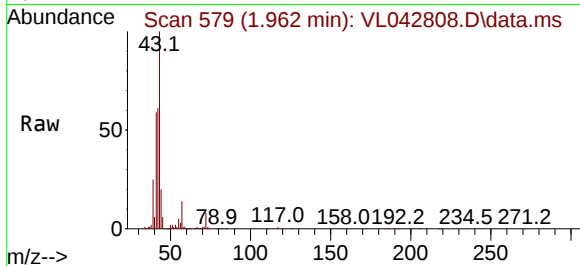




#21
 Allyl Chloride
 Concen: 1.966 ppbv
 RT: 1.962 min Scan# 51
 Delta R.T. -0.133 min
 Lab File: VL042808.D
 Acq: 04 Aug 2025 16:51

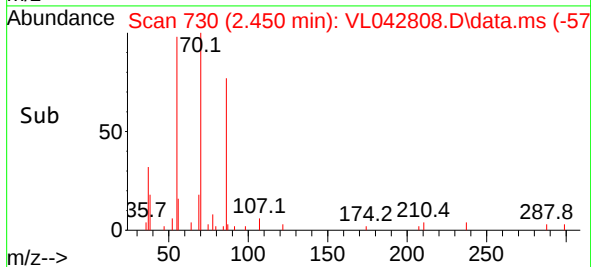
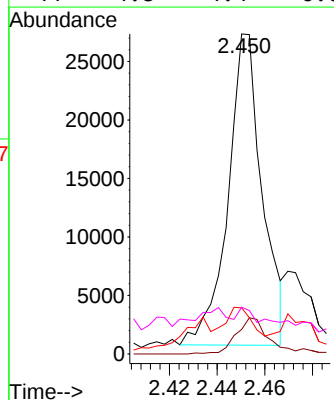
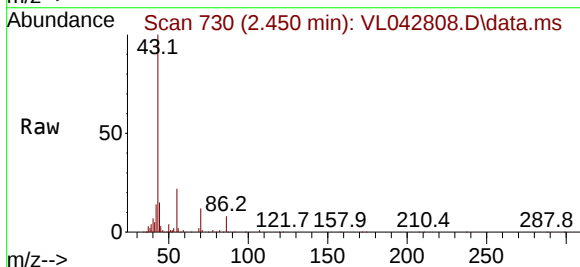
Instrument :
 MSVOA_L
 ClientSampleId :

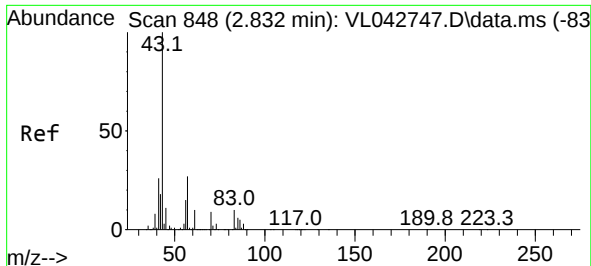
Tgt Ion: 41 Resp: 25429
 Ion Ratio Lower Upper
 41 100
 76 12.1 21.1 31.7#
 39 0.0 68.3 102.5#



#23
 Vinyl Acetate
 Concen: 1.045 ppbv
 RT: 2.450 min Scan# 730
 Delta R.T. -0.010 min
 Lab File: VL042808.D
 Acq: 04 Aug 2025 16:51

Tgt Ion: 43 Resp: 26592
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.1 9.1
 42 9.2 7.8 11.8
 44 4.8 4.4 6.6

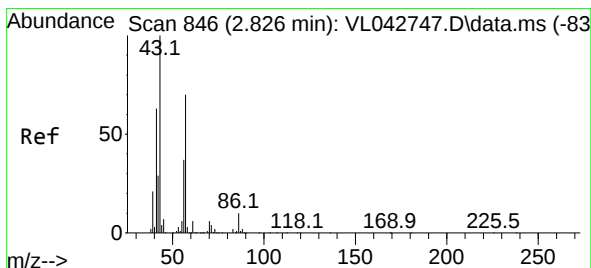
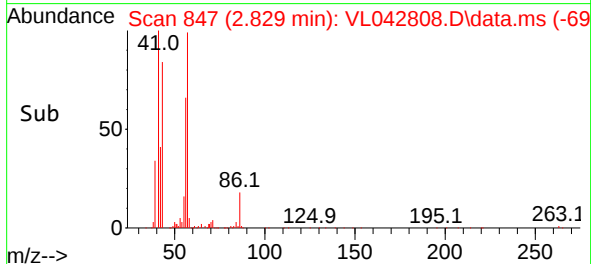
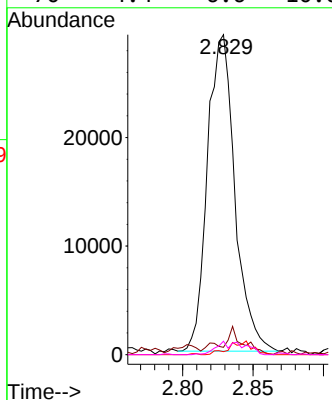
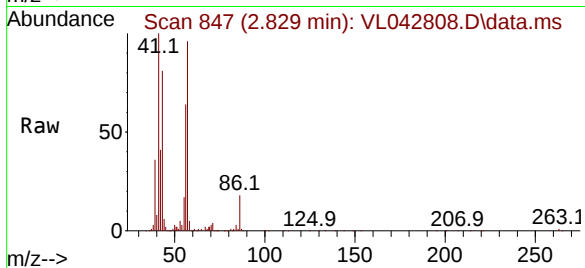




#25
Ethyl Acetate
Concen: 0.851 ppbv
RT: 2.829 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

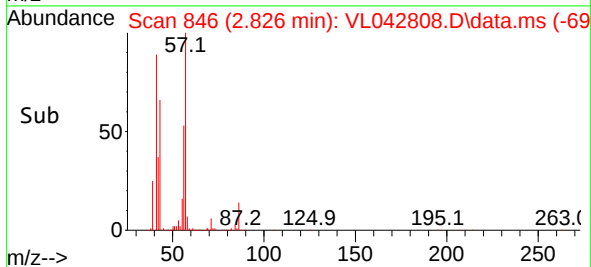
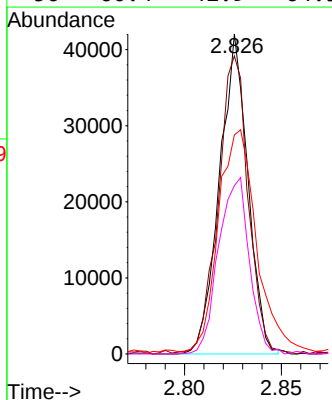
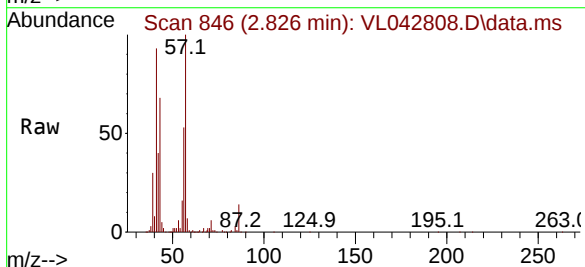
Instrument :
MSVOA_L
ClientSampleId :

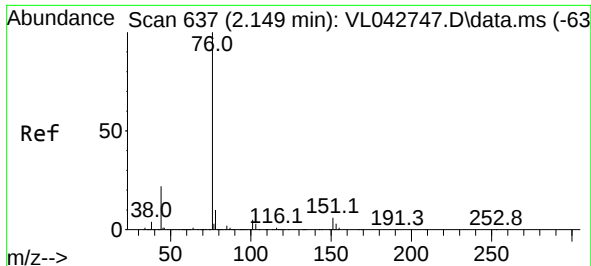
Tgt Ion: 43 Resp: 39530
Ion Ratio Lower Upper
43 100
45 10.2 7.8 11.6
61 3.7 6.7 10.1#
70 4.4 6.6 10.0#



#26
Hexane
Concen: 2.101 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

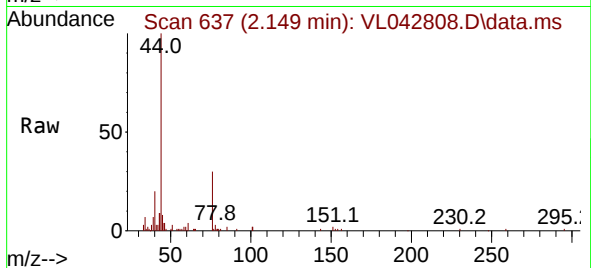
Tgt Ion: 57 Resp: 42822
Ion Ratio Lower Upper
57 100
41 100.2 75.4 113.2
43 96.8 185.0 277.6#
56 60.4 42.9 64.3



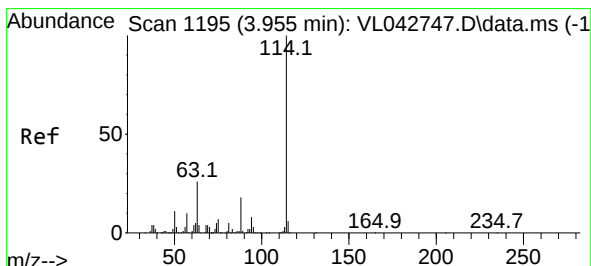
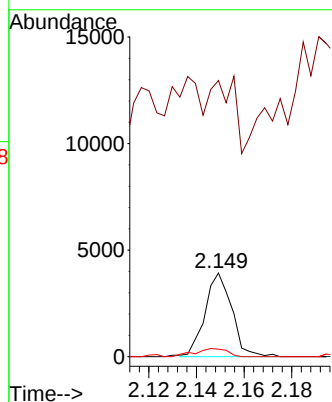
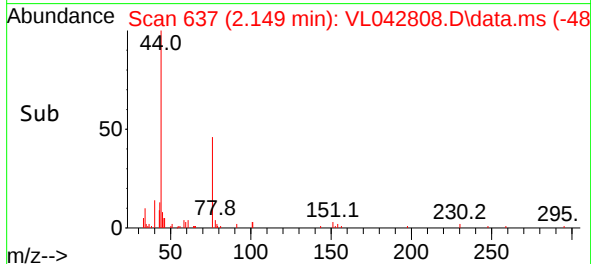


#27
Carbon Disulfide
Concen: 0.176 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

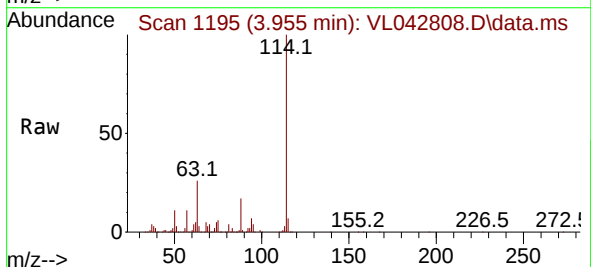
Instrument :
MSVOA_L
ClientSampleId :



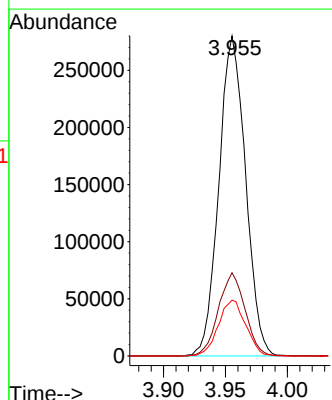
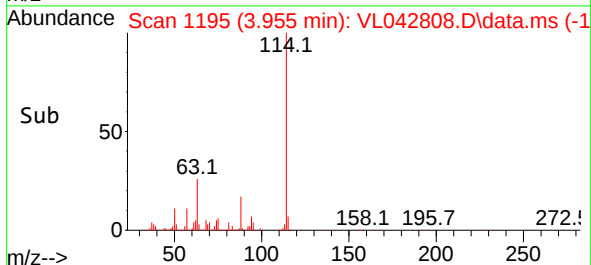
Tgt Ion: 76 Resp: 3071
Ion Ratio Lower Upper
76 100
44 0.0 19.3 28.9#
78 11.7 9.9 14.9

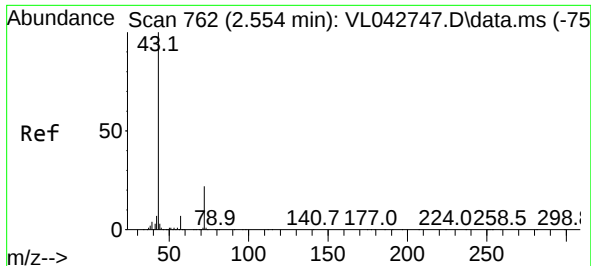


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.000 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51



Tgt Ion: 114 Resp: 420636
Ion Ratio Lower Upper
114 100
63 25.9 20.5 30.7
88 17.9 14.0 21.0

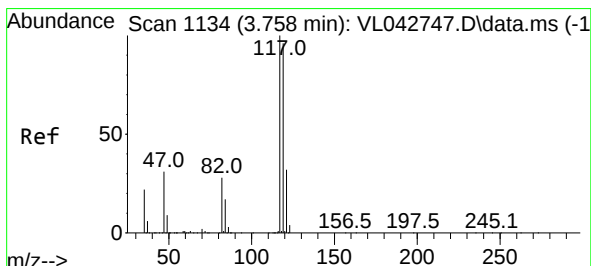
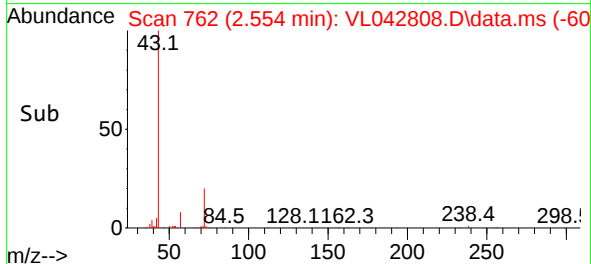
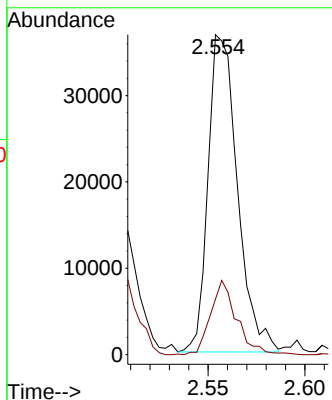
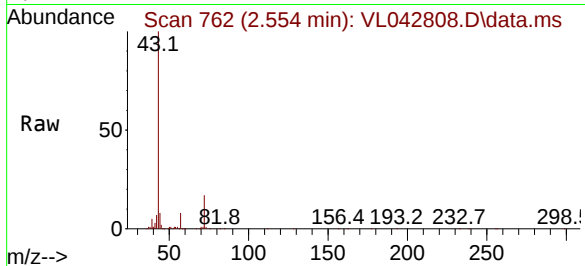




#34
2-Butanone
Concen: 1.303 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

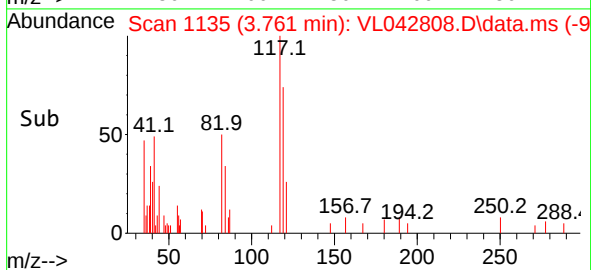
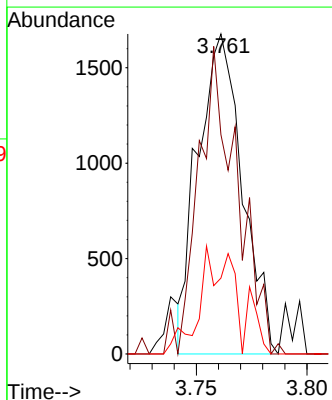
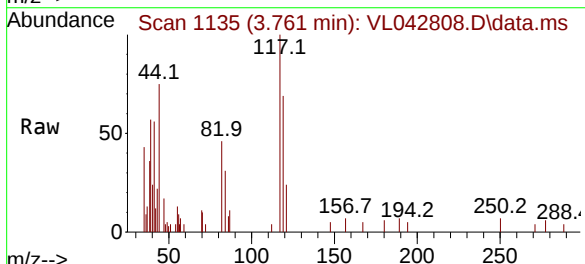
Instrument :
MSVOA_L
ClientSampleId :

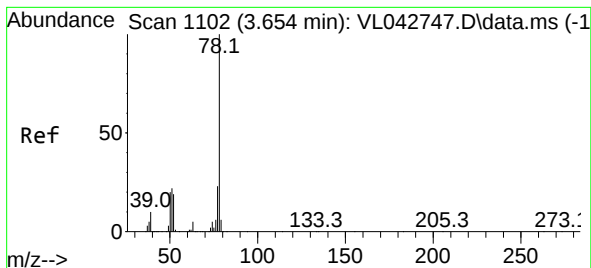
Tgt Ion: 43 Resp: 38827
Ion Ratio Lower Upper
43 100
72 21.0 17.4 26.0



#35
Carbon Tetrachloride
Concen: 0.075 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

Tgt Ion: 117 Resp: 2354
Ion Ratio Lower Upper
117 100
119 68.6 77.1 115.7#
121 23.7 25.5 38.3#





#36

Benzene

Concen: 0.319 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VL042808.D

Acq: 04 Aug 2025 16:51

Instrument :

MSVOA_L

ClientSampleId :

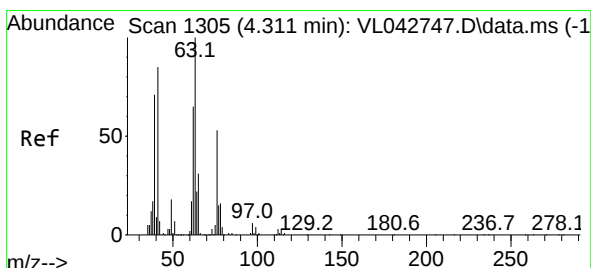
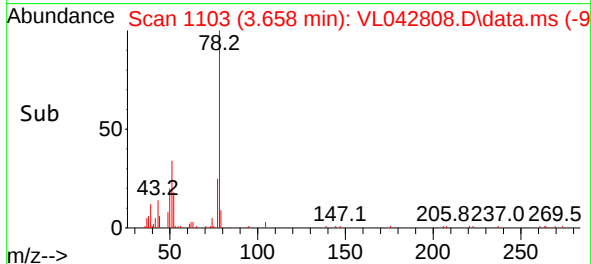
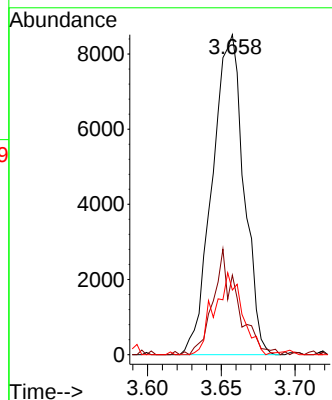
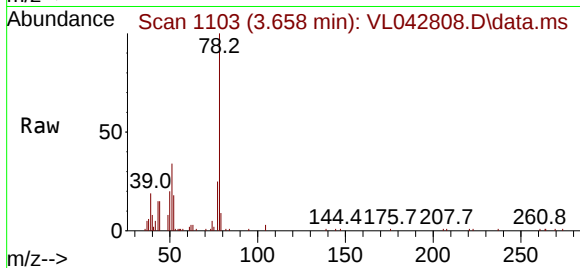
Tgt Ion: 78 Resp: 12707

Ion Ratio Lower Upper

78 100

77 24.9 18.5 27.7

50 20.2 16.2 24.2



#39

1,2-Dichloropropane

Concen: 7.410 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042808.D

Acq: 04 Aug 2025 16:51

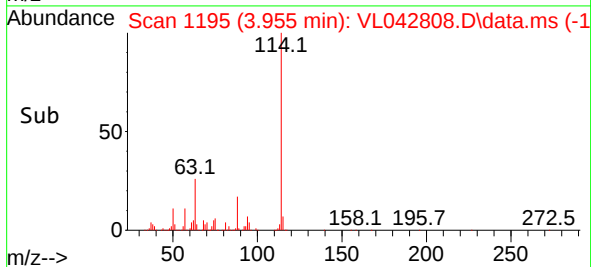
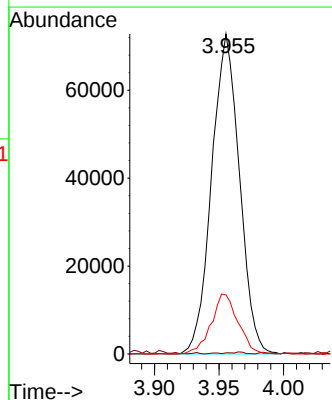
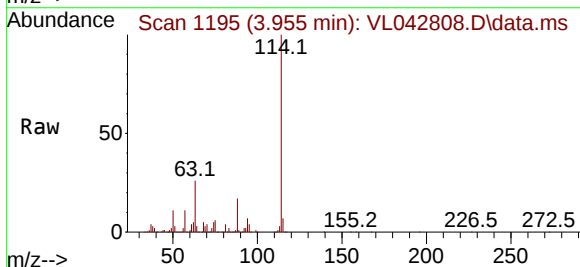
Tgt Ion: 63 Resp: 109037

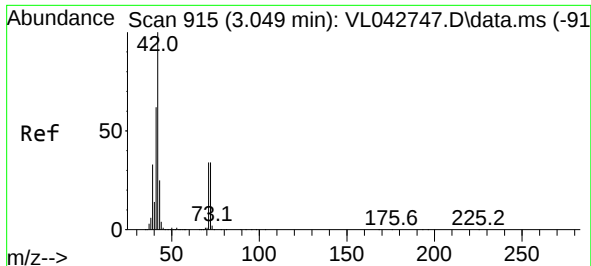
Ion Ratio Lower Upper

63 100

41 0.3 68.2 102.4#

62 18.3 52.0 78.0#

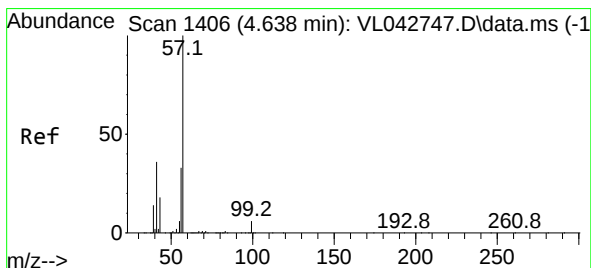
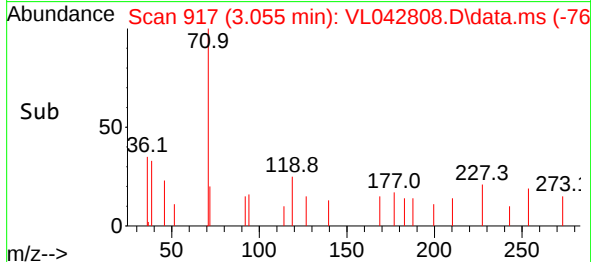
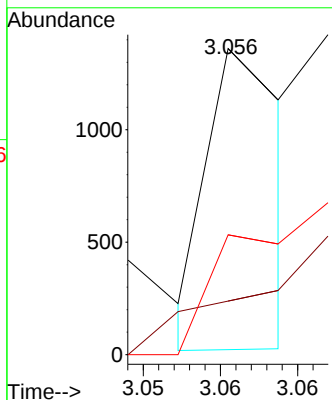
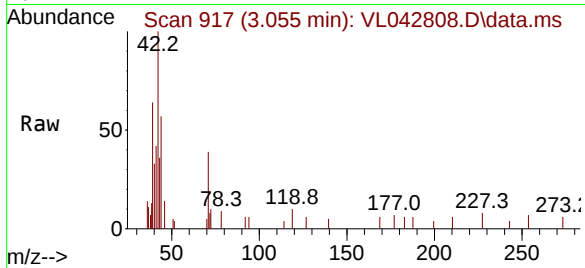




#41
Tetrahydrofuran
Concen: 0.031 ppbv
RT: 3.055 min Scan# 915
Delta R.T. 0.006 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

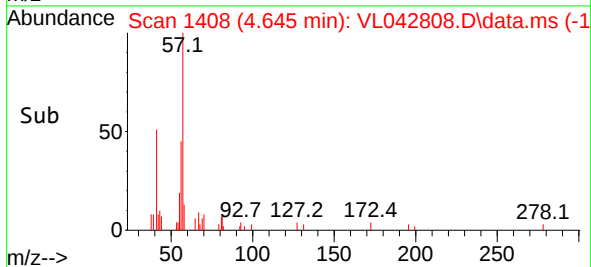
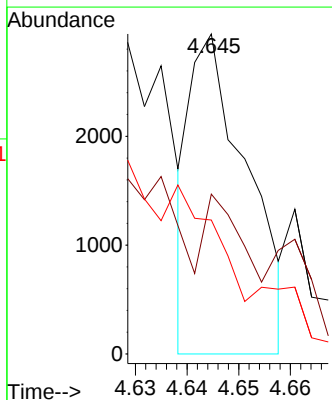
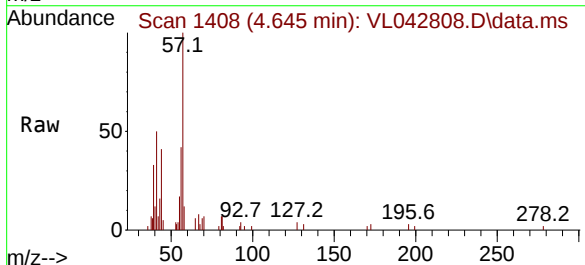
Instrument :
MSVOA_L
ClientSampleId :

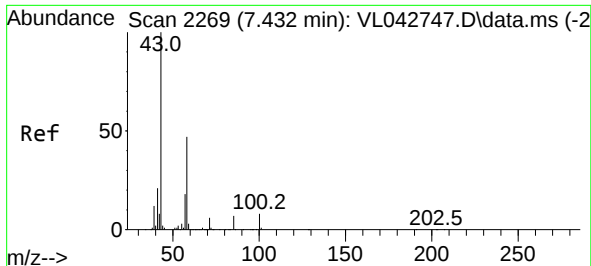
Tgt Ion: 42 Resp: 477
Ion Ratio Lower Upper
42 100
72 0.0 30.9 46.3#
71 0.0 28.6 43.0#



#44
2,2,4-Trimethylpentane
Concen: 0.035 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.006 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

Tgt Ion: 57 Resp: 2268
Ion Ratio Lower Upper
57 100
41 0.0 28.3 42.5#
56 0.0 25.8 38.6#

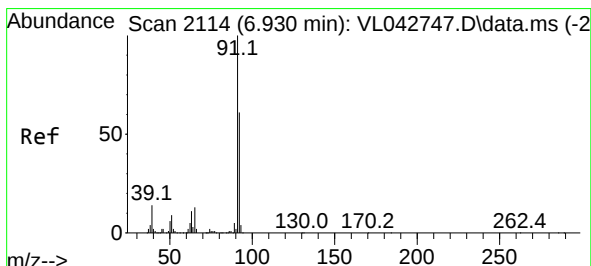
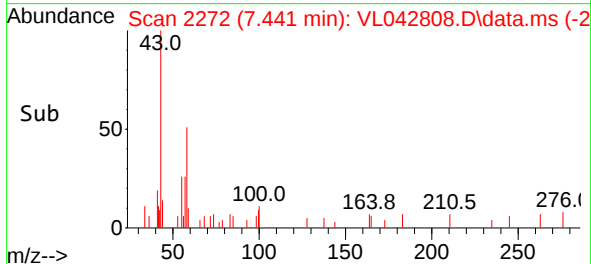
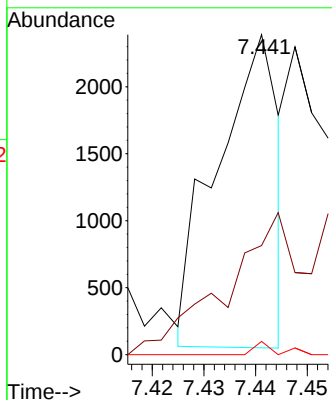
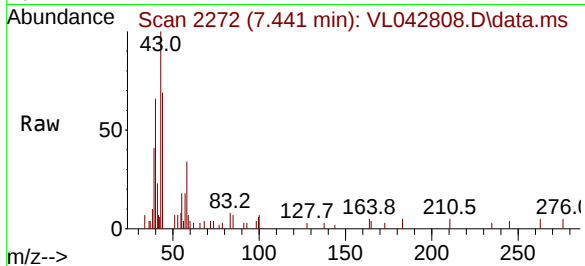




#51
2-Hexanone
Concen: 0.067 ppbv
RT: 7.441 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

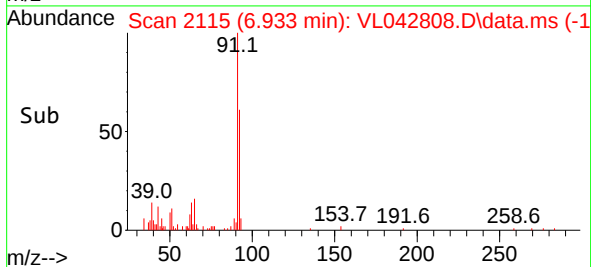
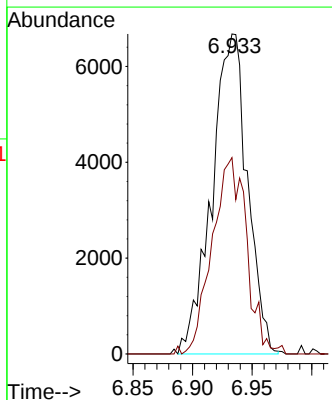
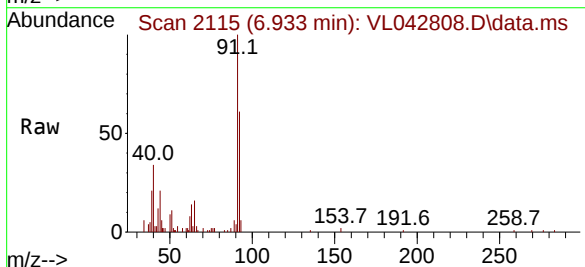
Instrument :
MSVOA_L
ClientSampleId :

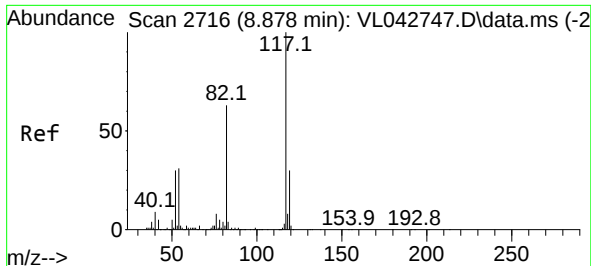
Tgt Ion: 43 Resp: 1937
Ion Ratio Lower Upper
43 100
58 91.8 38.0 57.0#
98 0.0 0.2 0.4#



#53
Toluene
Concen: 0.325 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

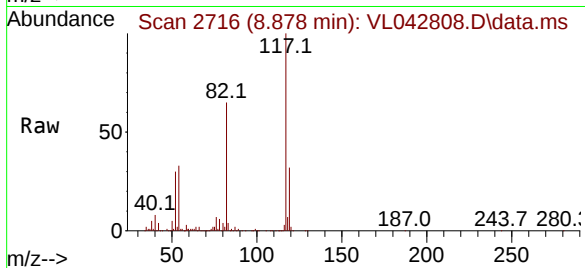
Tgt Ion: 91 Resp: 13897
Ion Ratio Lower Upper
91 100
92 59.5 48.0 72.0



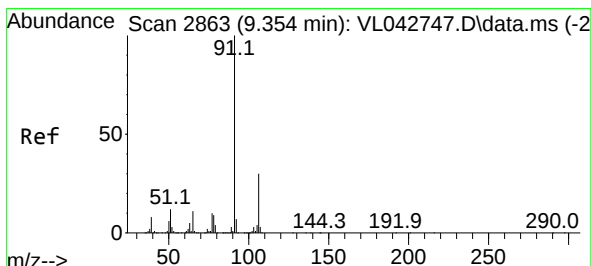
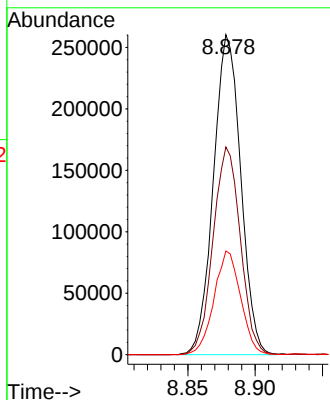
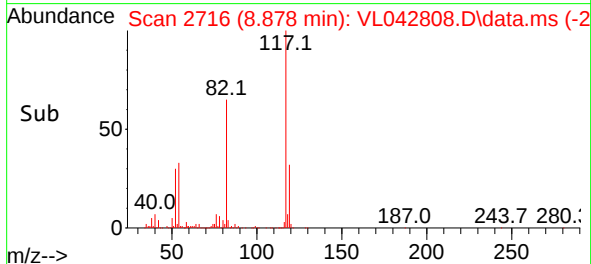


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

Instrument :
MSVOA_L
ClientSampleId :

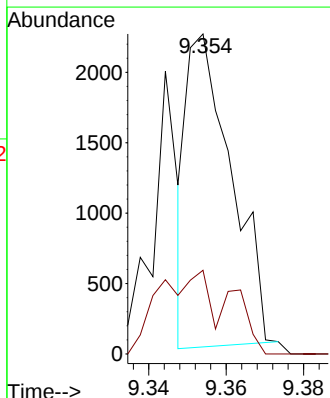
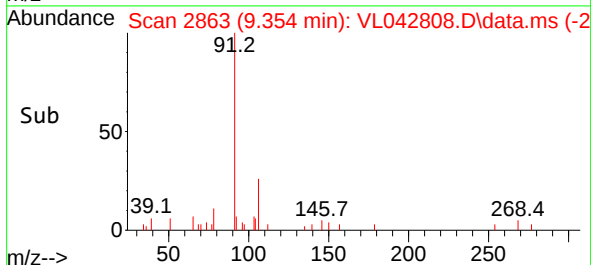
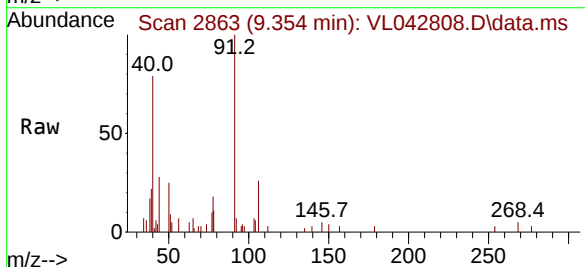


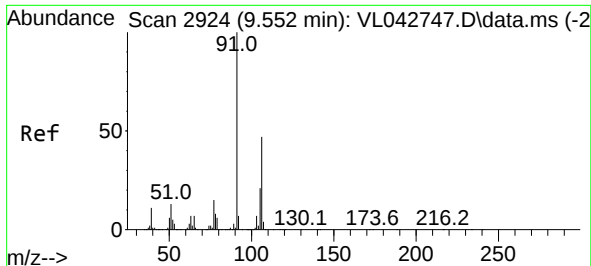
Tgt Ion:117 Resp: 367596
Ion Ratio Lower Upper
117 100
82 64.9 53.3 79.9
119 31.6 25.8 38.6



#58
Ethyl Benzene
Concen: 0.031 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

Tgt Ion: 91 Resp: 1785
Ion Ratio Lower Upper
91 100
106 27.2 23.8 35.6





#59

m/p-Xylene

Concen: 0.039 ppbv

RT: 9.545 min Scan# 2924

Delta R.T. -0.007 min

Lab File: VL042808.D

Acq: 04 Aug 2025 16:51

Instrument :

MSVOA_L

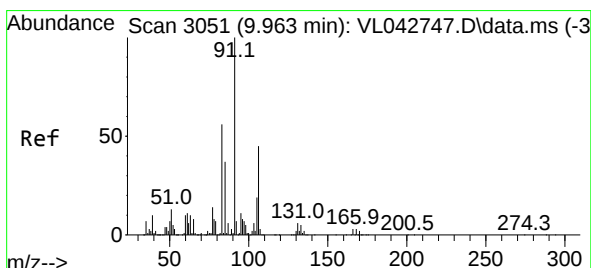
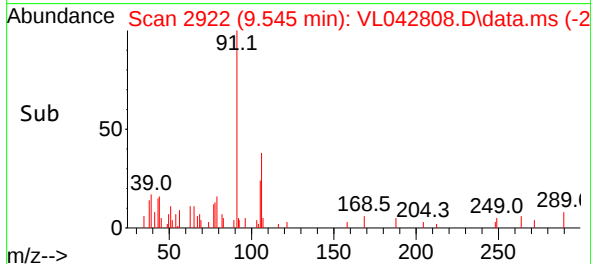
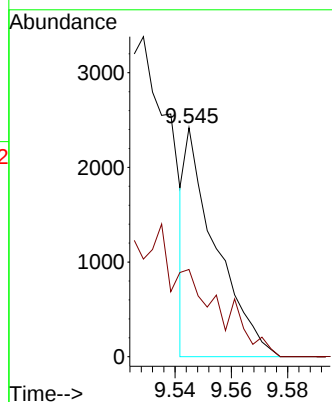
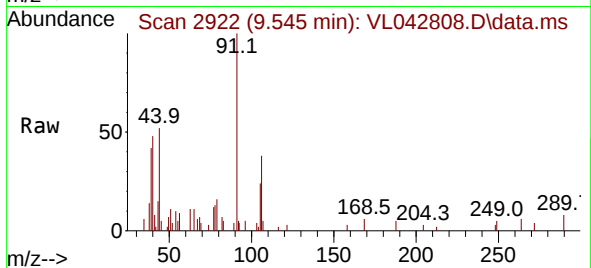
ClientSampleId :

Tgt Ion: 91 Resp: 1829

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#



#60

o-Xylene

Concen: 0.041 ppbv

RT: 9.962 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL042808.D

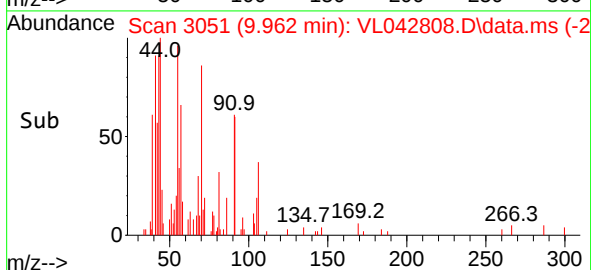
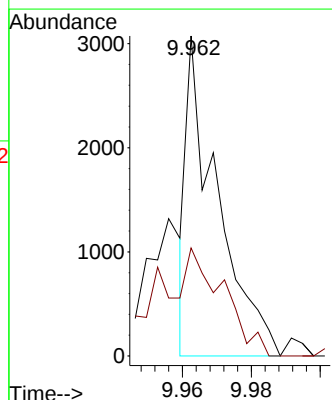
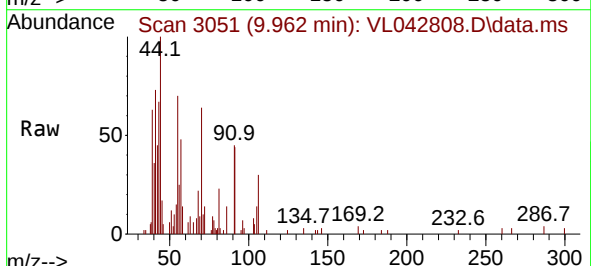
Acq: 04 Aug 2025 16:51

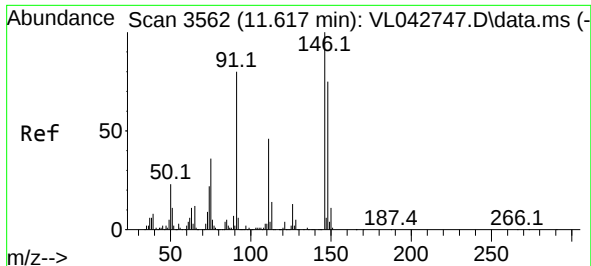
Tgt Ion: 91 Resp: 1906

Ion Ratio Lower Upper

91 100

106 69.3 22.0 66.0#

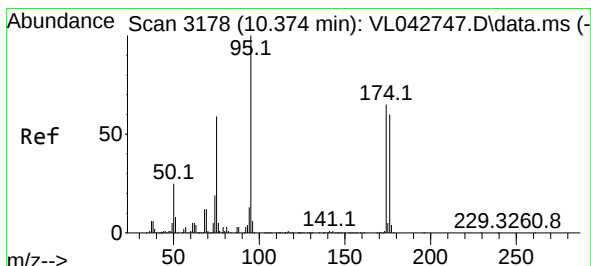
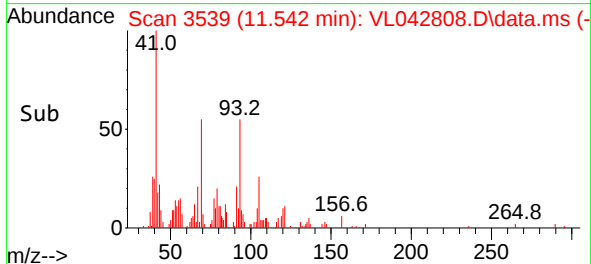
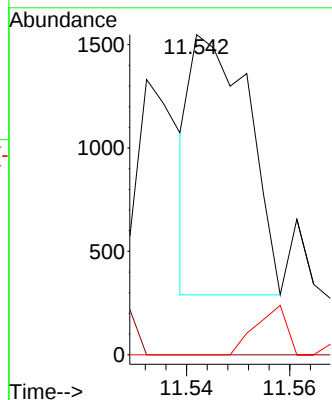
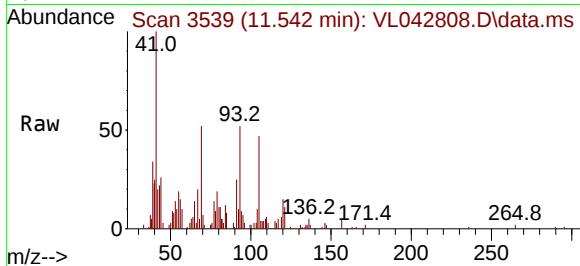




#66
Benzyl Chloride
Concen: 0.196 ppbv
RT: 11.542 min Scan# 31539
Delta R.T. -0.075 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

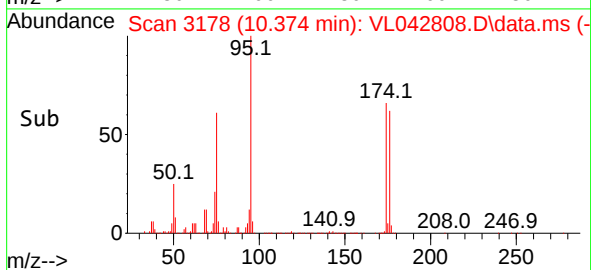
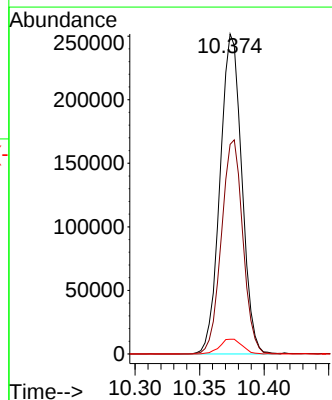
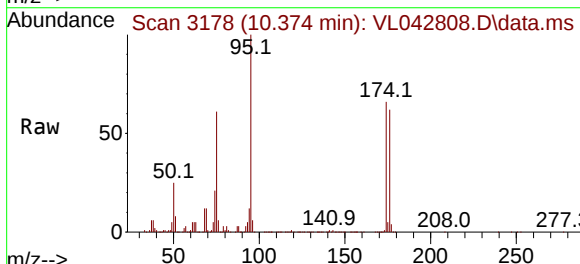
Instrument :
MSVOA_L
ClientSampleId :

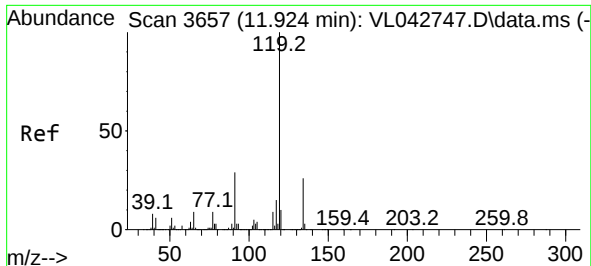
Tgt Ion: 91 Resp: 975
Ion Ratio Lower Upper
91 100
126 3.4 14.4 21.6#
128 13.2 5.2 7.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.094 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.000 min
Lab File: VL042808.D
Acq: 04 Aug 2025 16:51

Tgt Ion: 95 Resp: 293841
Ion Ratio Lower Upper
95 100
174 66.2 53.8 80.6
175 4.8 4.0 6.0

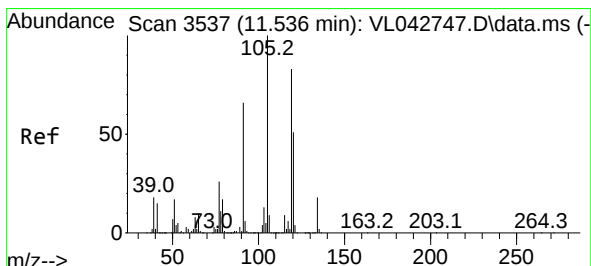
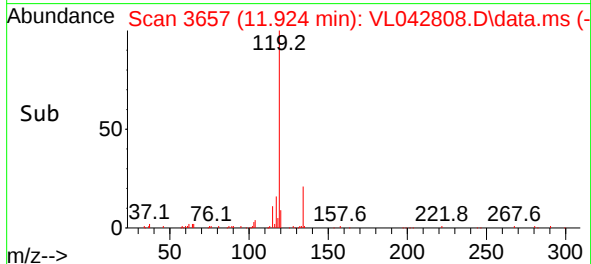
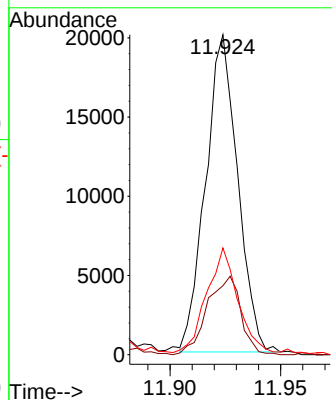
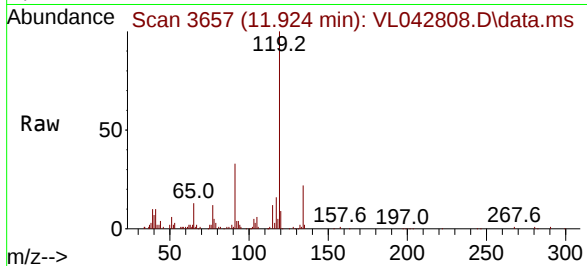




#69
 p-Isopropyltoluene
 Concen: 0.286 ppbv
 RT: 11.924 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VL042808.D
 Acq: 04 Aug 2025 16:51

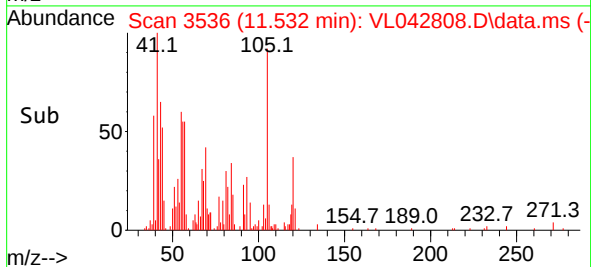
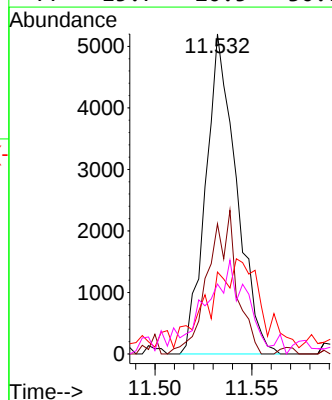
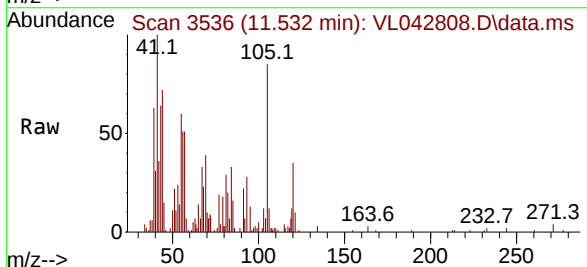
Instrument :
 MSVOA_L
 ClientSampleId :

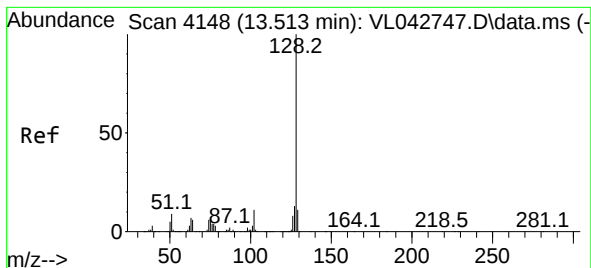
Tgt Ion:119	Resp:	20163
Ion	Ratio	Lower Upper
119	100	
134	26.0	20.6 31.0
91	33.0	23.2 34.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.115 ppbv
 RT: 11.532 min Scan# 3536
 Delta R.T. -0.003 min
 Lab File: VL042808.D
 Acq: 04 Aug 2025 16:51

Tgt Ion:105	Resp:	5708
Ion	Ratio	Lower Upper
105	100	
120	39.2	40.8 61.2#
91	19.0	53.0 79.4#
77	15.7	20.5 30.7#





#79

Naphthalene

Concen: 0.457 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. -0.000 min

Lab File: VL042808.D

Acq: 04 Aug 2025 16:51

Instrument :

MSVOA_L

ClientSampleId :

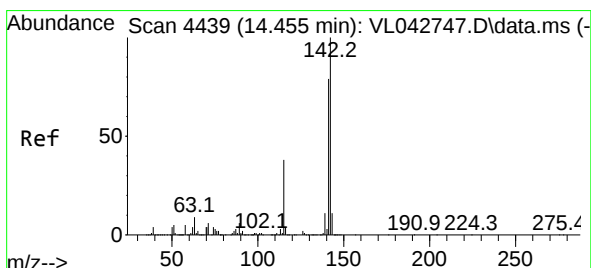
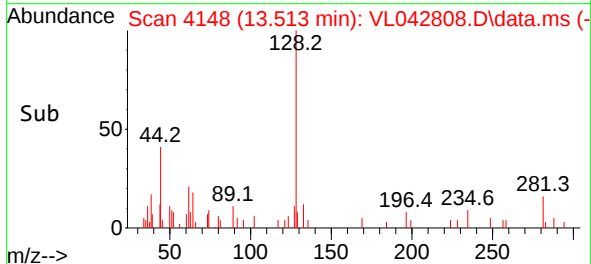
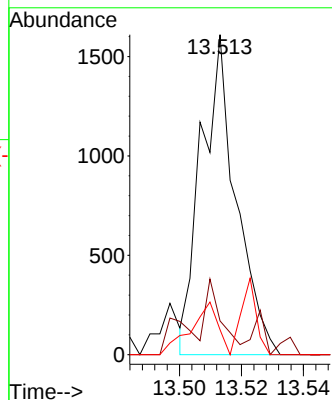
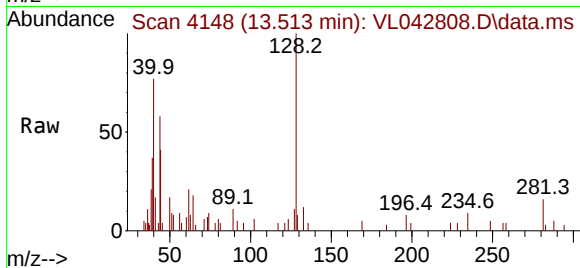
Tgt Ion:128 Resp: 1257

Ion Ratio Lower Upper

128 100

127 7.0 10.5 15.7#

129 7.8 8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 1.135 ppbv

RT: 14.461 min Scan# 4441

Delta R.T. 0.006 min

Lab File: VL042808.D

Acq: 04 Aug 2025 16:51

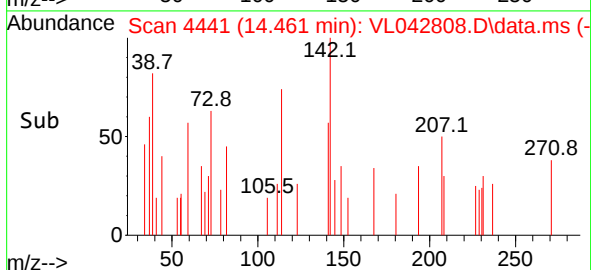
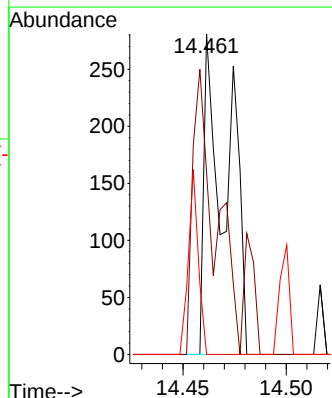
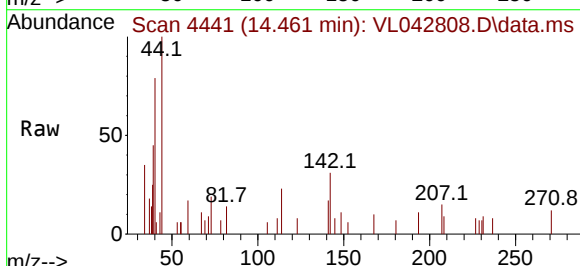
Tgt Ion:142 Resp: 212

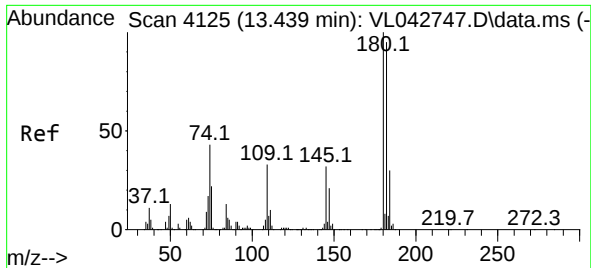
Ion Ratio Lower Upper

142 100

141 107.1 65.8 98.8#

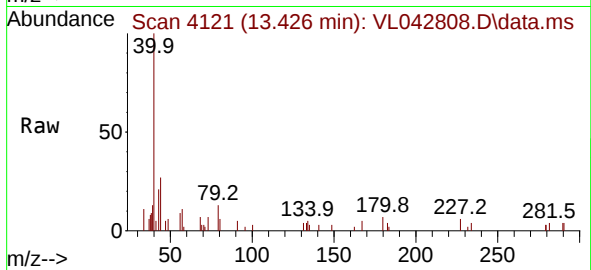
115 25.9 31.2 46.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.437 ppbv
 RT: 13.426 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL042808.D
 Acq: 04 Aug 2025 16:51

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	180	Resp:	70
Ion Ratio	Lower	Upper	
180	100		
182	0.0	76.2	114.2#
184	0.0	24.8	37.2#

