

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042858.D
 Acq On : 13 Aug 2025 18:58
 Operator : SY/MD
 Sample : Q2794-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Quant Time: Aug 14 02:21:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	131022	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	395826	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	339500	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	261906	10.286	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.900%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	8128	0.423	ppbv	96
3) Chlorodifluoromethane	1.476	51	11167	0.526	ppbv #	84
4) Chloromethane	1.532	50	3462	0.447	ppbv #	81
6) Bromomethane	1.667	94	219	0.072	ppbv #	8
7) Chloroethane	1.710	64	74	0.025	ppbv #	39
8) Dichlorotetrafluoroethane	1.554	85	340	0.022	ppbv #	79
9) Propene	1.486	41	4738	0.517	ppbv	90
10) Heptane	4.991	43	1339	0.055	ppbv #	14
11) Trichlorofluoromethane	1.881	101	3395	0.179	ppbv	86
12) 1,1,2-Trichlorotrifluo...	2.146	101	769	0.051	ppbv	87
13) Ethanol	1.726	45	18765	22.389	ppbv	90
15) Acetone	1.839	43	123004	7.097	ppbv	99
16) 1,3-Butadiene	1.622	39	2068	0.263	ppbv #	10
17) tert-Butyl alcohol	2.053	59	1467	0.071	ppbv #	54
19) Isopropyl Alcohol	1.891	45	13946	1.347	ppbv #	1
20) Methylene Chloride	2.066	84	2143	0.295	ppbv #	89
21) Allyl Chloride	2.101	41	402	0.033	ppbv #	31
23) Vinyl Acetate	2.477	43	6096	0.256	ppbv #	66
25) Ethyl Acetate	2.846	43	15686	0.374	ppbv #	92
26) Hexane	2.833	57	4761	0.246	ppbv #	53
30) Cyclohexane	3.865	84	505	0.030	ppbv #	1
31) cis-1,2-Dichloroethene	2.839	61	890	0.046	ppbv #	22
34) 2-Butanone	2.567	43	16901	0.632	ppbv	97
35) Carbon Tetrachloride	3.774	117	2003	0.073	ppbv #	78
36) Benzene	3.664	78	15732	0.415	ppbv	94
39) 1,2-Dichloropropane	3.969	63	98585	7.121	ppbv #	27
44) 2,2,4-Trimethylpentane	4.652	57	9292	0.144	ppbv #	64
53) Toluene	6.950	91	20514	0.455	ppbv	97
58) Ethyl Benzene	9.364	91	4587	0.077	ppbv	96
59) m/p-Xylene	9.539	91	7689	0.164	ppbv #	100
60) o-Xylene	9.973	91	3941	0.083	ppbv	93
61) Styrene	9.882	104	1190	0.054	ppbv #	34
69) p-Isopropyltoluene	11.931	119	1718	0.023	ppbv #	81
72) 4-Ethyltoluene	11.131	105	1557	0.027	ppbv #	59
73) 1,3,5-Trimethylbenzene	11.212	105	1070	0.022	ppbv	93
74) 1,2,4-Trimethylbenzene	11.542	105	5116	0.096	ppbv #	54
75) 1,3-Dichlorobenzene	11.678	146	675	0.022	ppbv	74
76) 1,4-Dichlorobenzene	11.678	146	675	0.022	ppbv	73
77) 1,2-Dichlorobenzene	11.678	146	675	0.023	ppbv	76
79) Naphthalene	13.520	128	1029	0.021	ppbv #	77

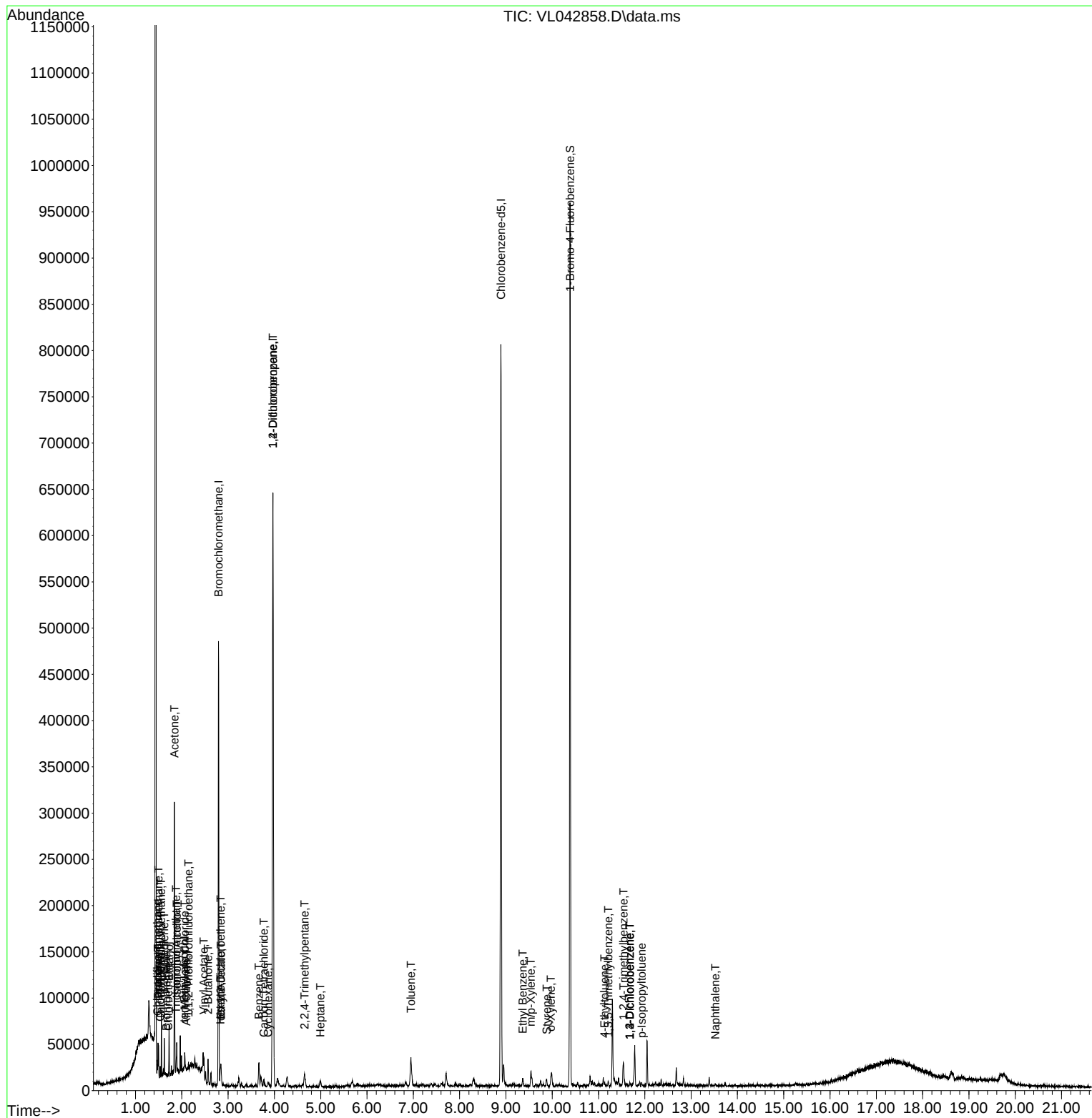
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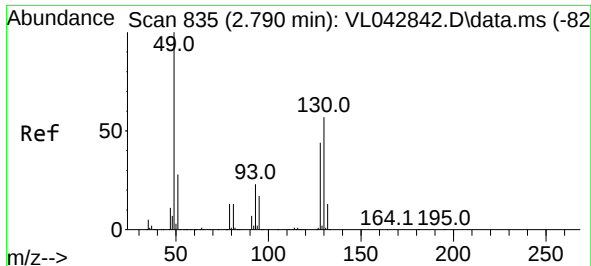
Instrument :
MSVOA_L
ClientSampleId :
OA1

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QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.794 min Scan# 835

Delta R.T. 0.004 min

Lab File: VL042858.D

Acq: 13 Aug 2025 18:58

Instrument :

MSVOA_L

ClientSampleId :

OA1

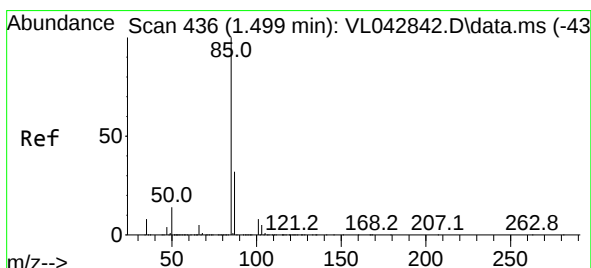
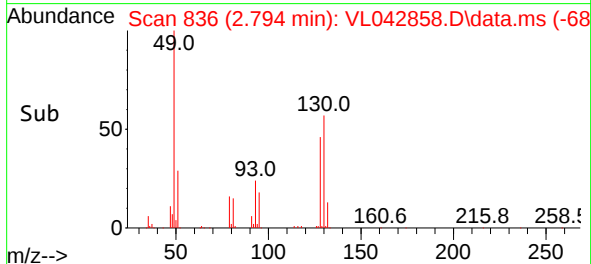
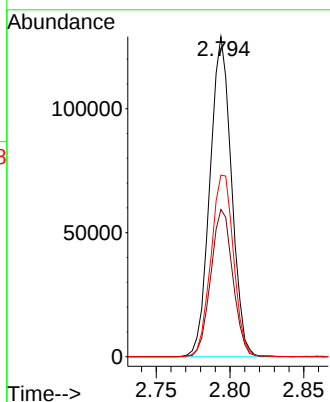
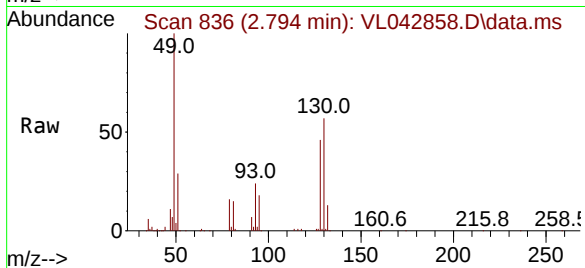
Tgt Ion: 49 Resp: 131022

Ion Ratio Lower Upper

49 100

128 47.1 23.7 71.1

130 59.7 30.6 91.6



#2

Dichlorodifluoromethane

Concen: 0.423 ppbv

RT: 1.499 min Scan# 436

Delta R.T. 0.000 min

Lab File: VL042858.D

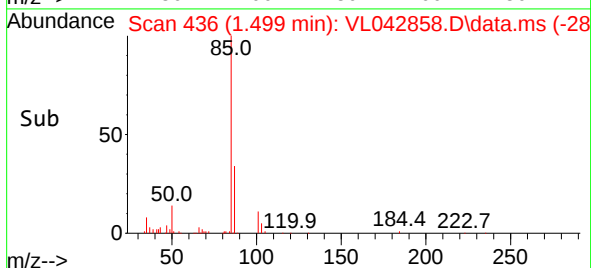
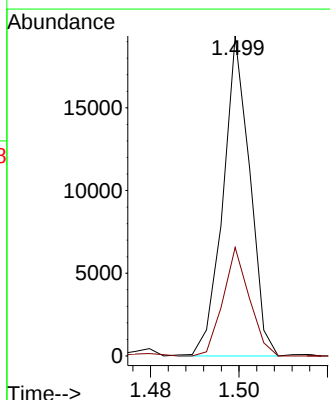
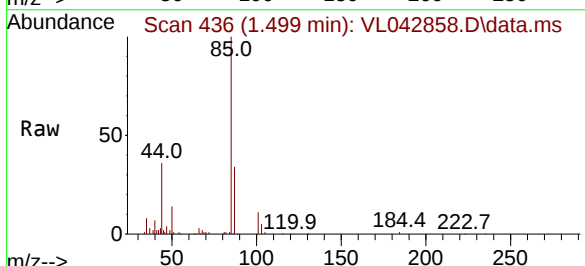
Acq: 13 Aug 2025 18:58

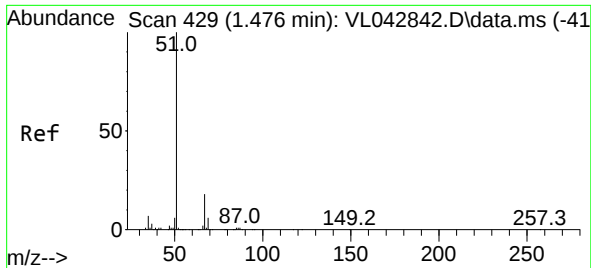
Tgt Ion: 85 Resp: 8128

Ion Ratio Lower Upper

85 100

87 33.9 25.3 37.9





#3

Chlorodifluoromethane

Concen: 0.526 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042858.D

Acq: 13 Aug 2025 18:58

Instrument :

MSVOA_L

ClientSampleId :

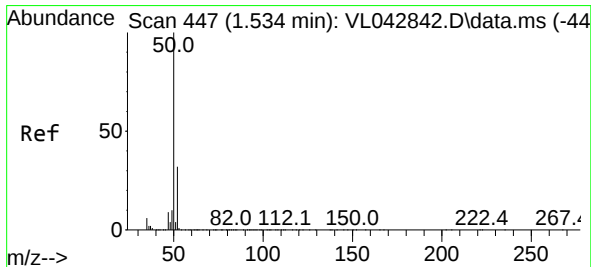
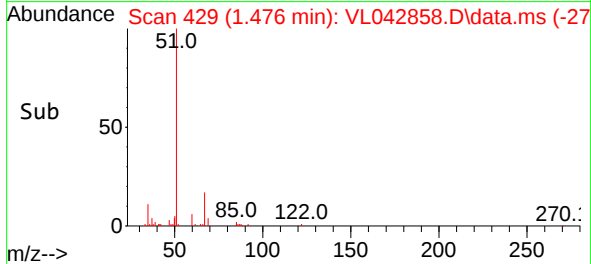
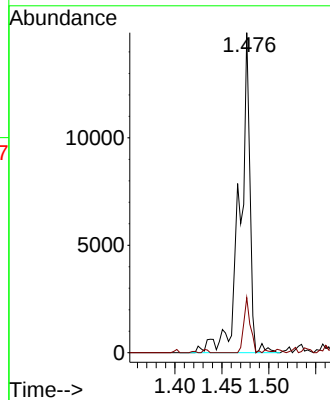
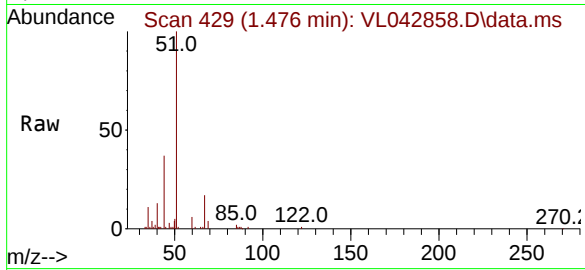
OA1

Tgt Ion: 51 Resp: 11167

Ion Ratio Lower Upper

51 100

67 11.5 14.9 22.3#



#4

Chloromethane

Concen: 0.447 ppbv

RT: 1.532 min Scan# 446

Delta R.T. -0.003 min

Lab File: VL042858.D

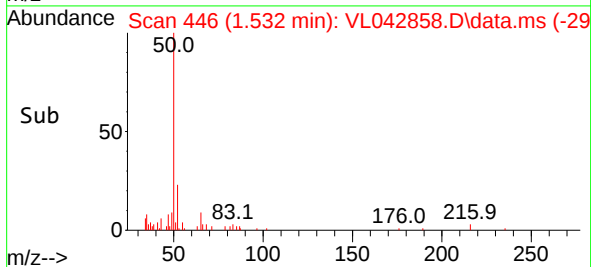
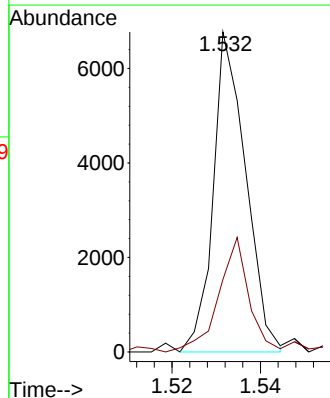
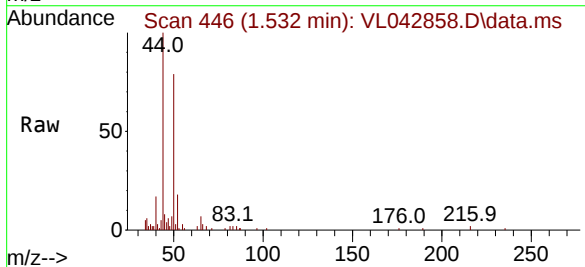
Acq: 13 Aug 2025 18:58

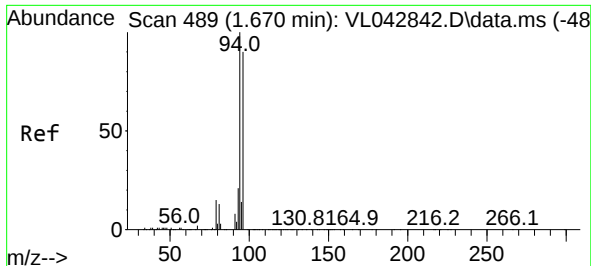
Tgt Ion: 50 Resp: 3462

Ion Ratio Lower Upper

50 100

52 21.6 25.9 38.9#

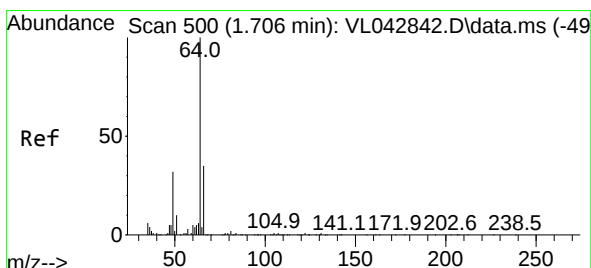
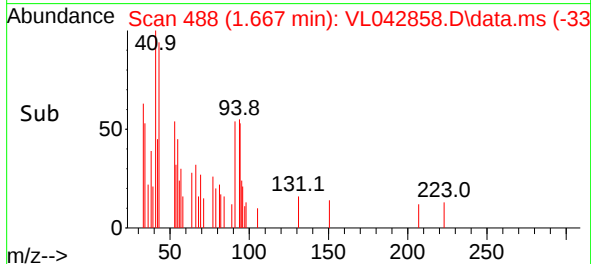
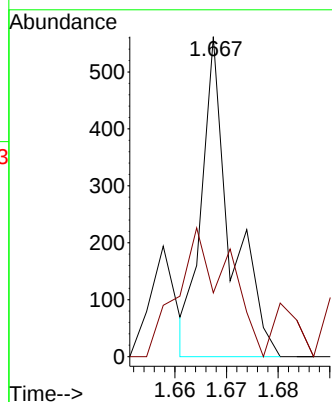
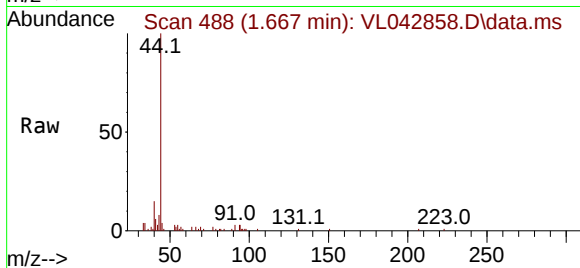




#6
Bromomethane
Concen: 0.072 ppbv
RT: 1.667 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

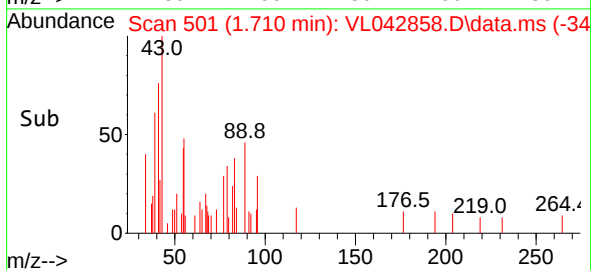
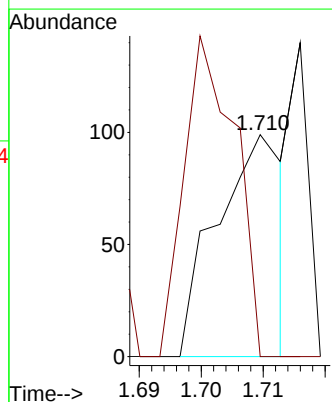
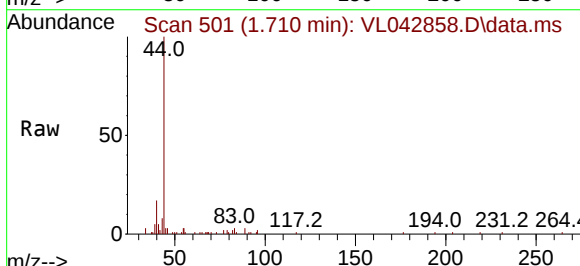
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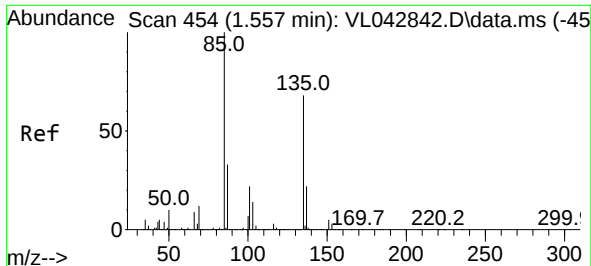
Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 3.2 72.1 108.1#



#7
Chloroethane
Concen: 0.025 ppbv
RT: 1.710 min Scan# 501
Delta R.T. 0.004 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion: 64 Resp: 74
Ion Ratio Lower Upper
64 100
66 0.0 28.6 42.8#

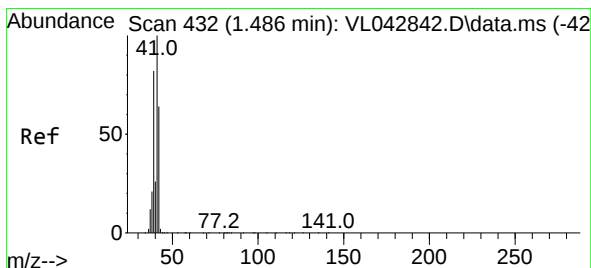
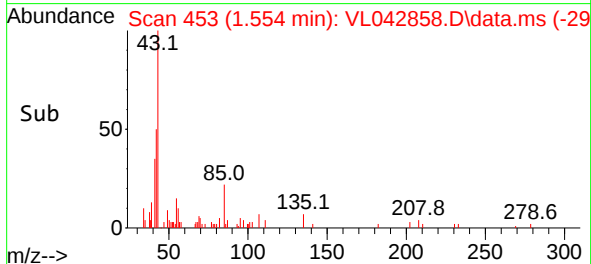
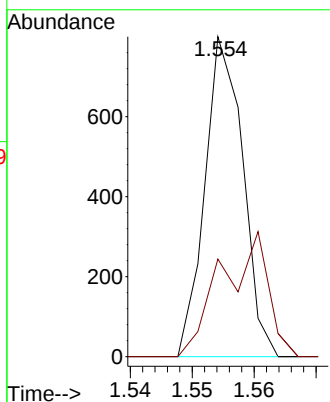
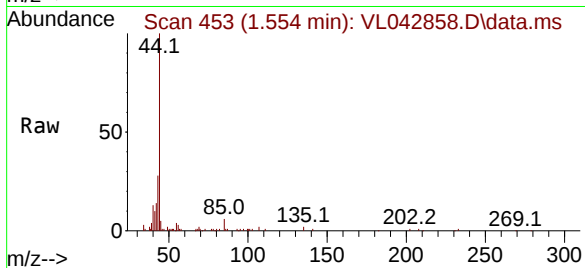




#8
Dichlorotetrafluoroethane
Concen: 0.022 ppbv
RT: 1.554 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

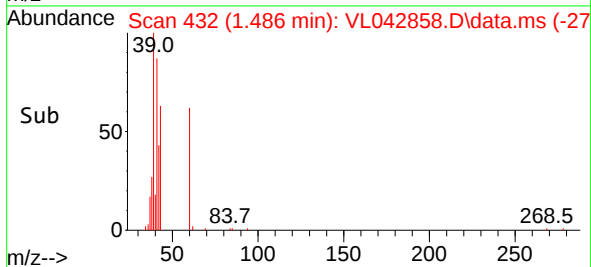
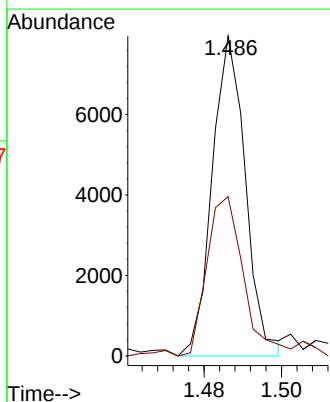
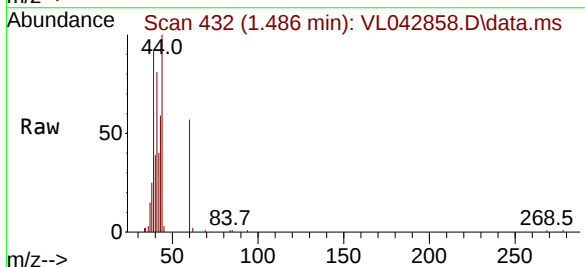
Instrument :
MSVOA_L
ClientSampleId :
OA1

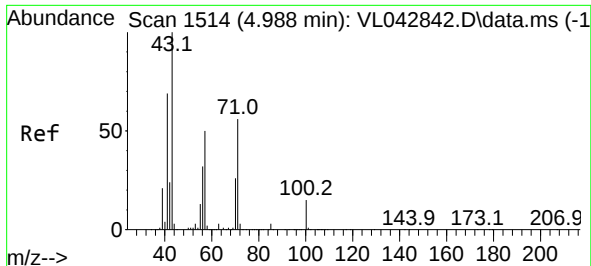
Tgt Ion: 85 Resp: 340
Ion Ratio Lower Upper
85 100
135 47.9 51.2 76.8#



#9
Propene
Concen: 0.517 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.000 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion: 41 Resp: 4738
Ion Ratio Lower Upper
41 100
42 58.3 53.0 79.4

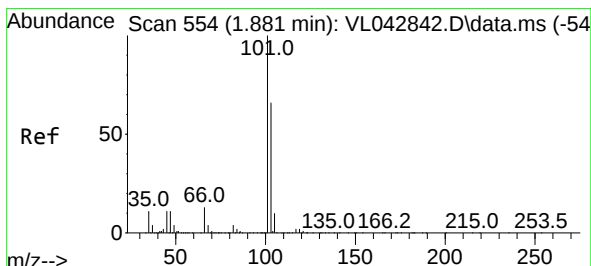
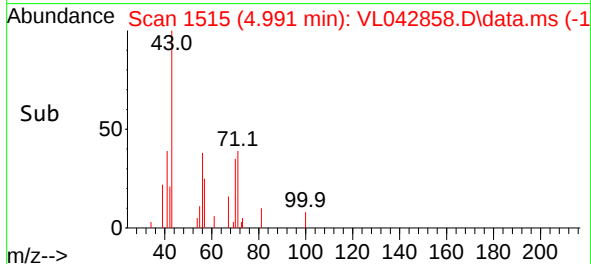
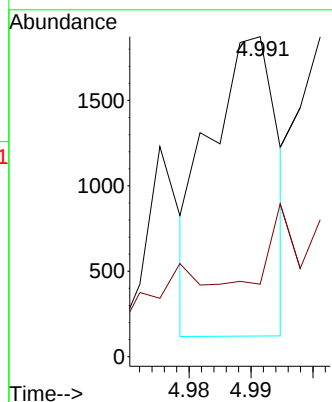
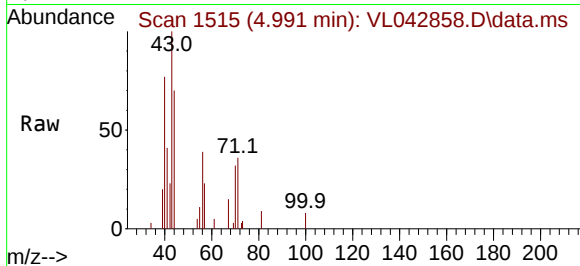




#10
Heptane
Concen: 0.055 ppbv
RT: 4.991 min Scan# 11
Delta R.T. 0.004 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

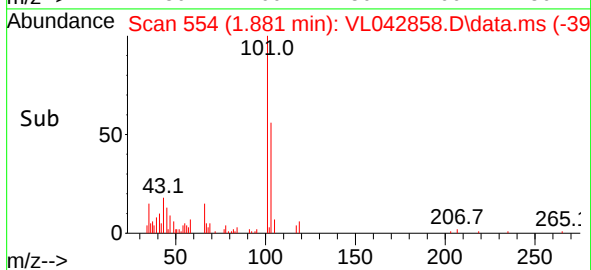
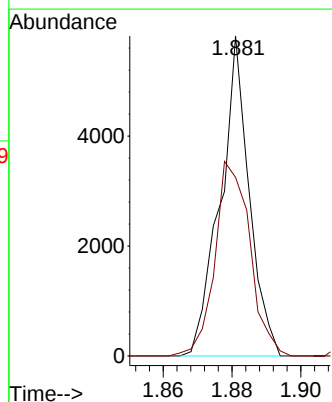
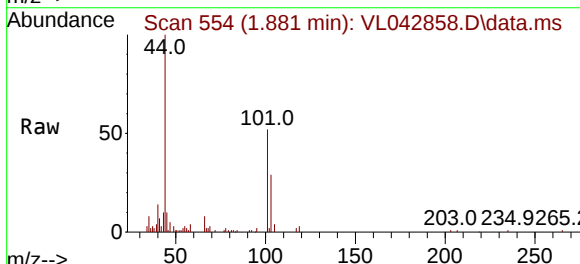
Instrument :
MSVOA_L
ClientSampleId :
OA1

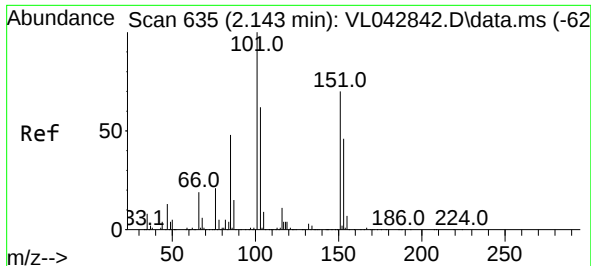
Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
57 112.2 41.4 62.0#



#11
Trichlorofluoromethane
Concen: 0.179 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.000 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion:101 Resp: 3395
Ion Ratio Lower Upper
101 100
103 54.9 52.5 78.7

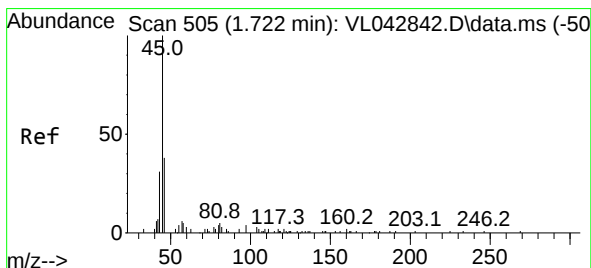
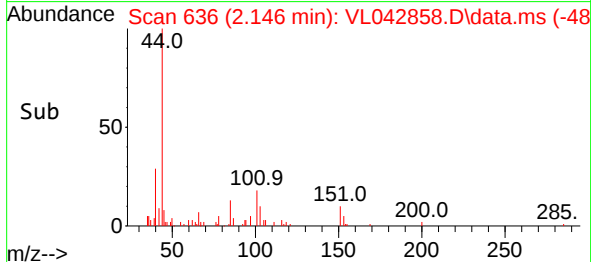
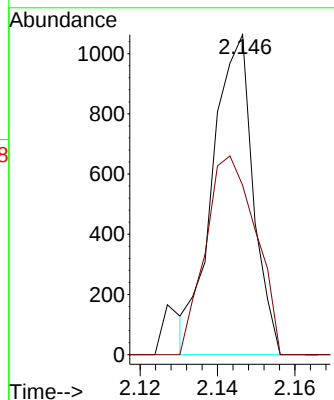
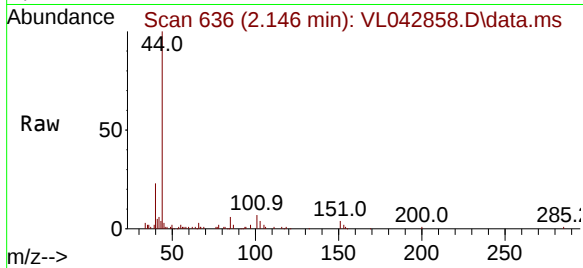




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.051 ppbv
RT: 2.146 min Scan# 61
Delta R.T. 0.004 min
Lab File: VL042858.D
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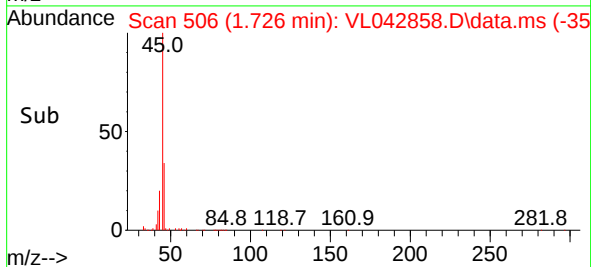
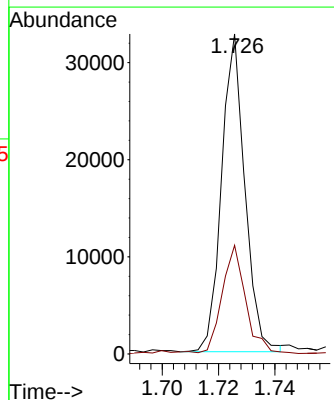
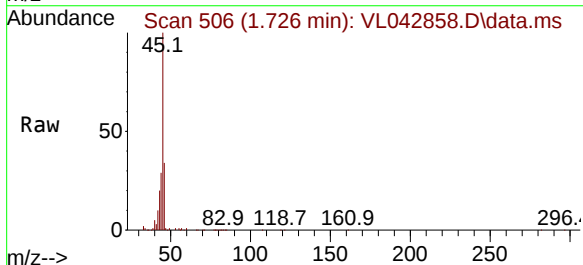
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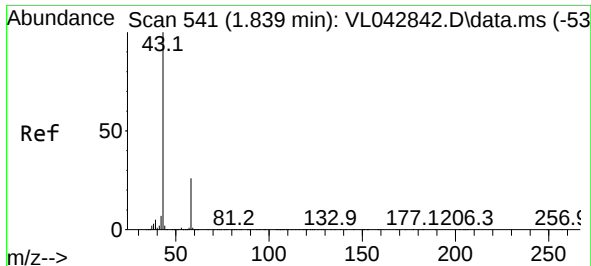
Tgt Ion:101 Resp: 769
Ion Ratio Lower Upper
101 100
151 81.3 56.4 84.6



#13
Ethanol
Concen: 22.389 ppbv
RT: 1.726 min Scan# 506
Delta R.T. 0.004 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion: 45 Resp: 18765
Ion Ratio Lower Upper
45 100
46 37.4 17.5 69.9





#15

Acetone

Concen: 7.097 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.000 min

Lab File: VL042858.D

Acq: 13 Aug 2025 18:58

Instrument :

MSVOA_L

ClientSampleId :

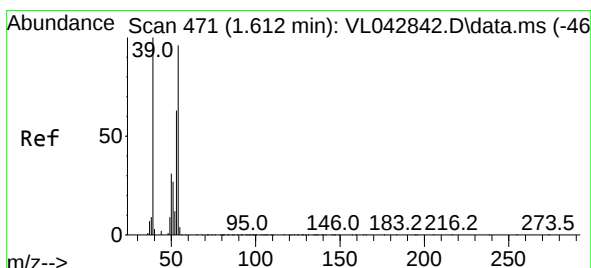
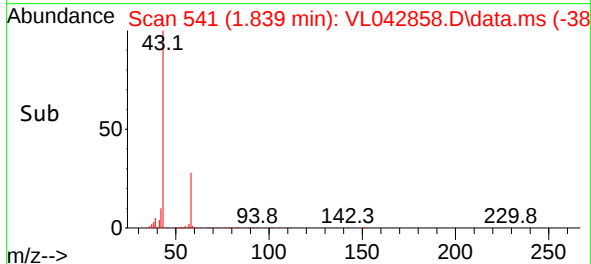
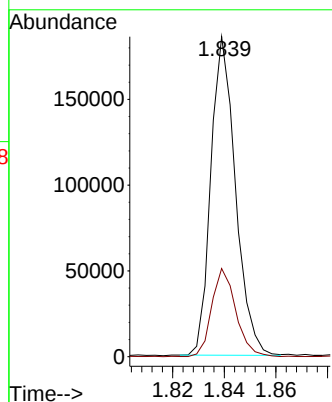
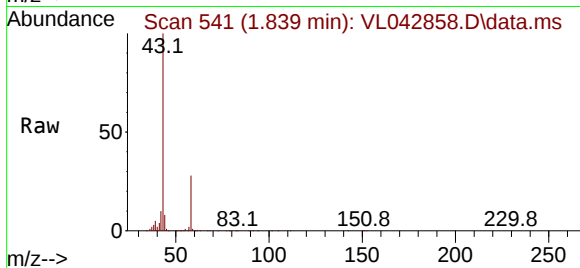
OA1

Tgt Ion: 43 Resp: 123004

Ion Ratio Lower Upper

43 100

58 27.6 22.4 33.6



#16

1,3-Butadiene

Concen: 0.263 ppbv

RT: 1.622 min Scan# 474

Delta R.T. 0.010 min

Lab File: VL042858.D

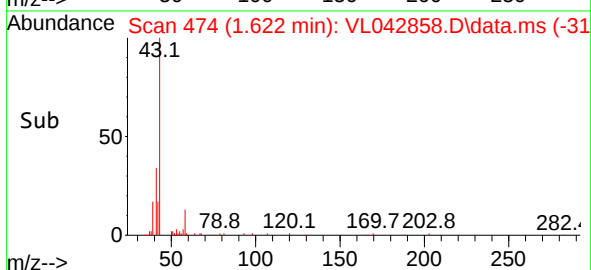
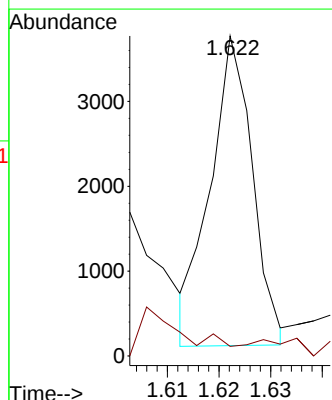
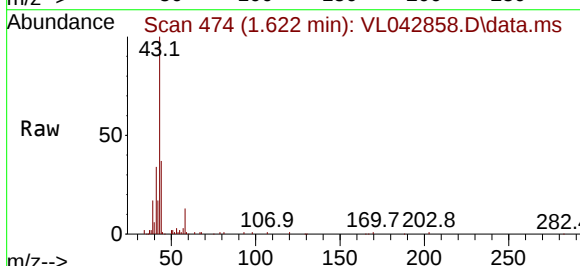
Acq: 13 Aug 2025 18:58

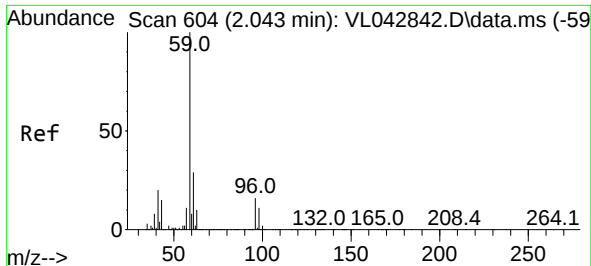
Tgt Ion: 39 Resp: 2068

Ion Ratio Lower Upper

39 100

54 0.0 63.6 95.4#





#17

tert-Butyl alcohol

Concen: 0.071 ppbv

RT: 2.053 min Scan# 604

Delta R.T. 0.010 min

Lab File: VL042858.D

Acq: 13 Aug 2025 18:58

Instrument :

MSVOA_L

ClientSampleId :

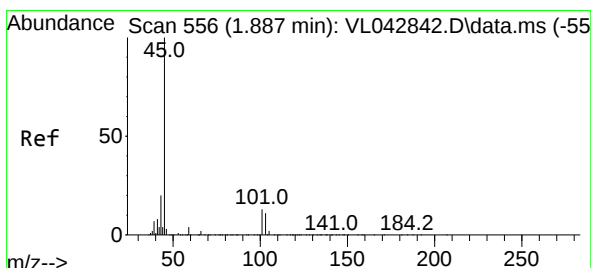
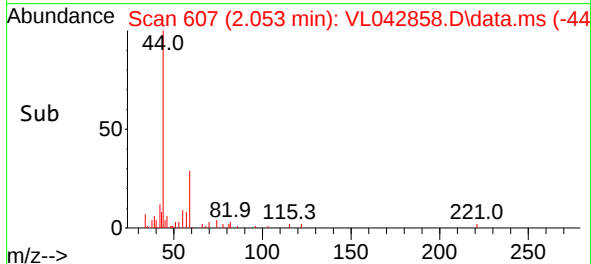
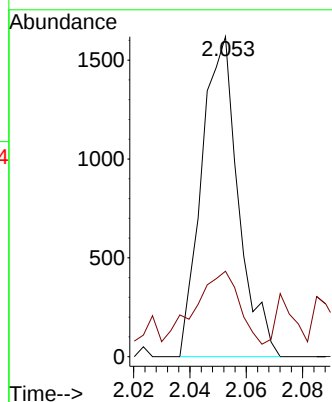
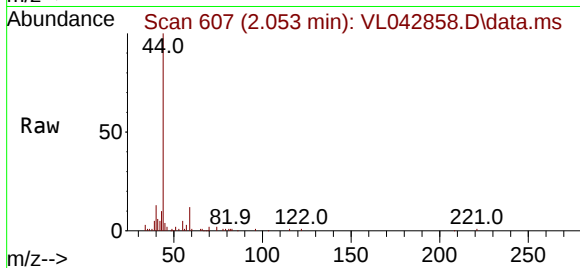
OA1

Tgt Ion: 59 Resp: 1467

Ion Ratio Lower Upper

59 100

57 28.6 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 1.347 ppbv

RT: 1.891 min Scan# 557

Delta R.T. 0.004 min

Lab File: VL042858.D

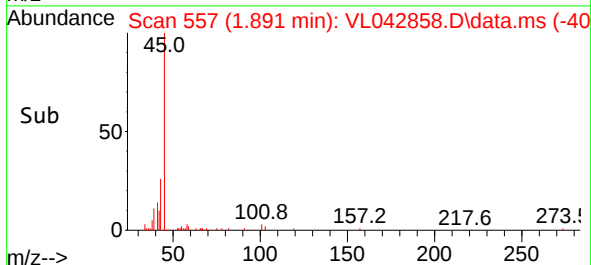
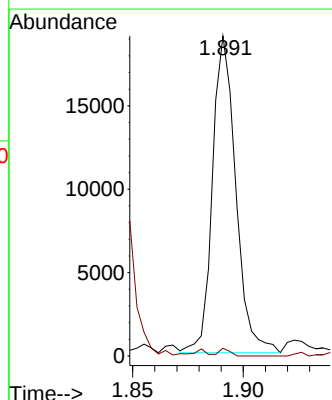
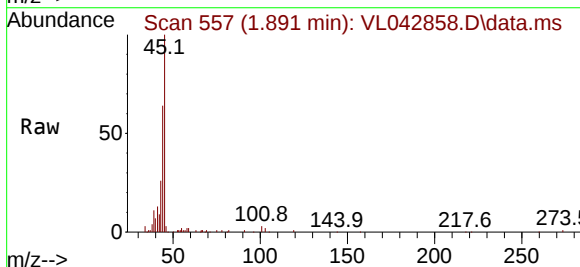
Acq: 13 Aug 2025 18:58

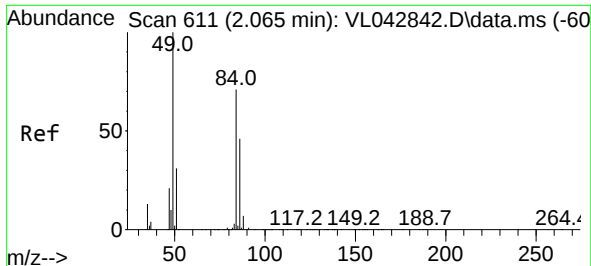
Tgt Ion: 45 Resp: 13946

Ion Ratio Lower Upper

45 100

58 243.0 32.7 49.1#





#20

Methylene Chloride

Concen: 0.295 ppbv

RT: 2.066 min Scan# 611

Delta R.T. 0.000 min

Lab File: VL042858.D

Acq: 13 Aug 2025 18:58

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 84 Resp: 2143

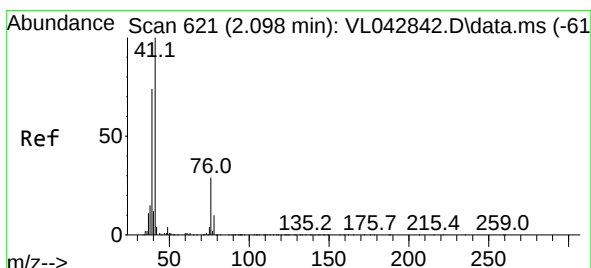
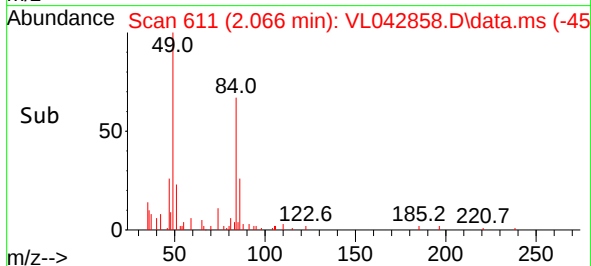
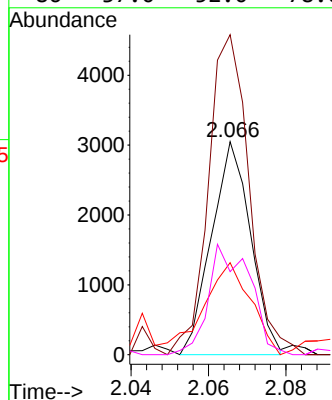
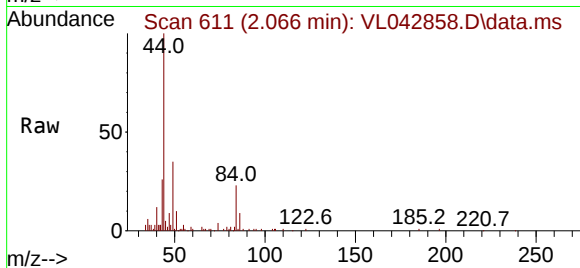
Ion Ratio Lower Upper

84 100

49 142.2 112.3 168.5

51 43.2 36.0 54.0

86 37.0 52.0 78.0#



#21

Allyl Chloride

Concen: 0.033 ppbv

RT: 2.101 min Scan# 622

Delta R.T. 0.004 min

Lab File: VL042858.D

Acq: 13 Aug 2025 18:58

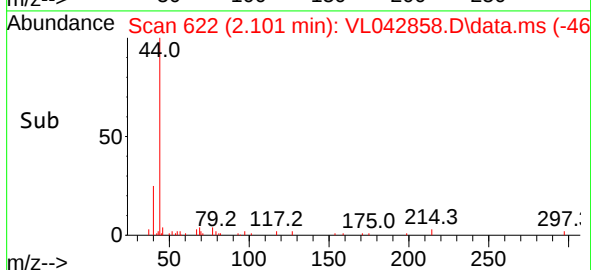
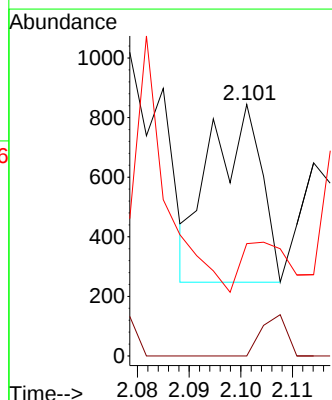
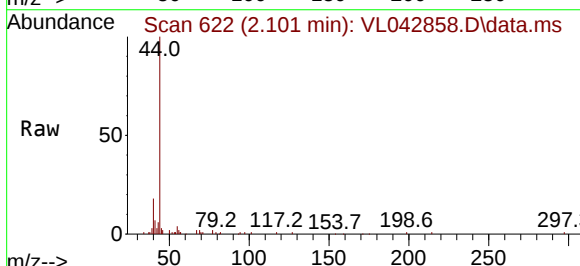
Tgt Ion: 41 Resp: 402

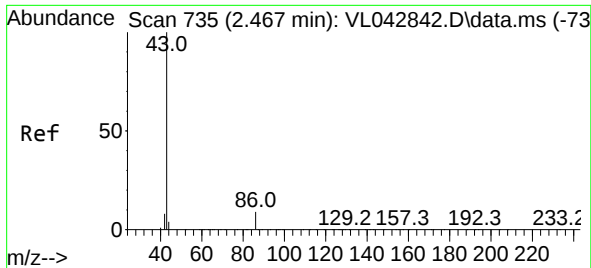
Ion Ratio Lower Upper

41 100

76 14.9 23.9 35.9#

39 0.0 57.8 86.6#

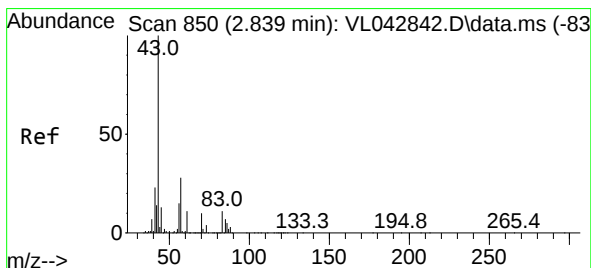
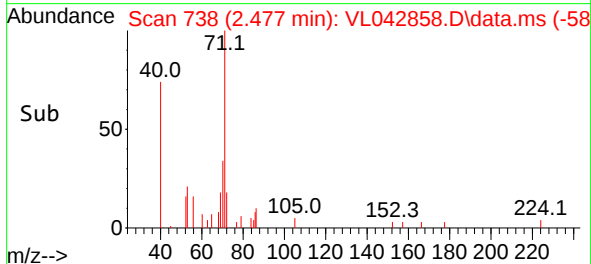
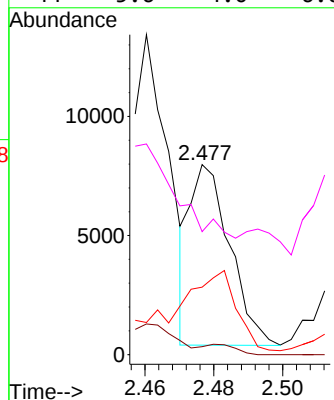
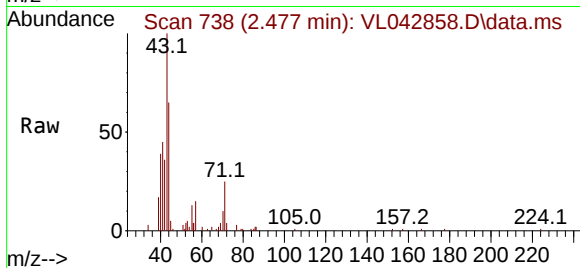




#23
 Vinyl Acetate
 Concen: 0.256 ppbv
 RT: 2.477 min Scan# 71
 Delta R.T. 0.010 min
 Lab File: VL042858.D
 Acq: 13 Aug 2025 18:58

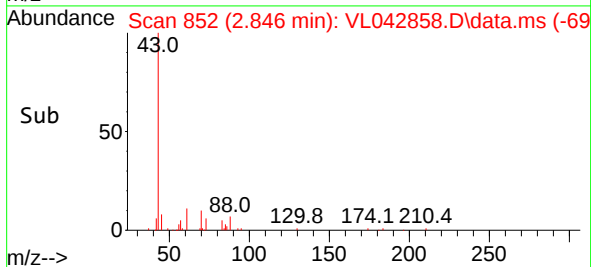
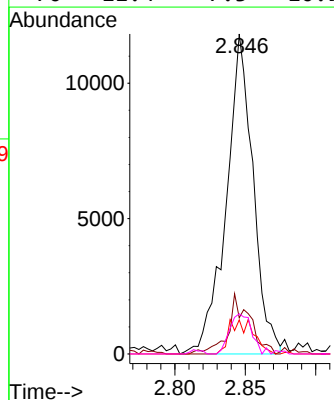
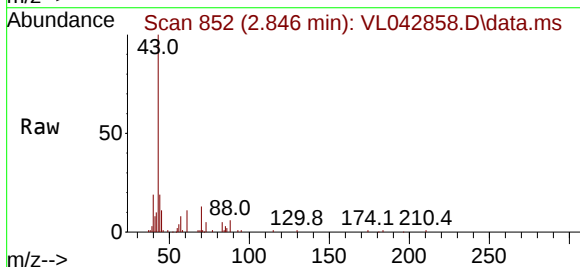
Instrument :
 MSVOA_1
 ClientSampleId :
 OA1

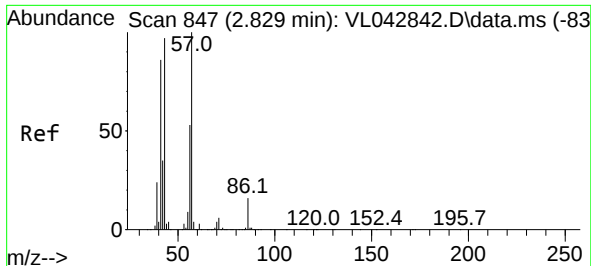
Tgt Ion:	43	Resp:	6096
Ion	Ratio	Lower	Upper
43	100		
86	4.4	6.6	9.8#
42	35.1	7.0	10.6#
44	5.6	4.0	6.0



#25
 Ethyl Acetate
 Concen: 0.374 ppbv
 RT: 2.846 min Scan# 852
 Delta R.T. 0.007 min
 Lab File: VL042858.D
 Acq: 13 Aug 2025 18:58

Tgt Ion:	43	Resp:	15686
Ion	Ratio	Lower	Upper
43	100		
45	16.2	8.1	12.1#
61	9.8	7.4	11.2
70	11.4	7.3	10.9#

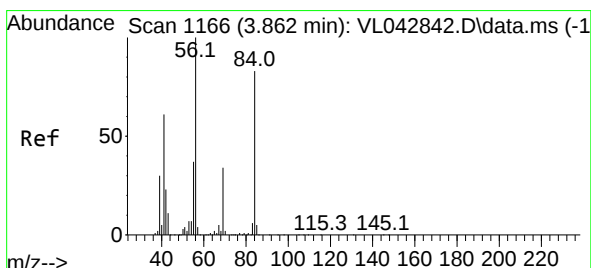
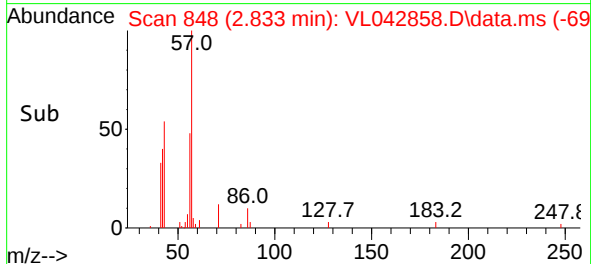
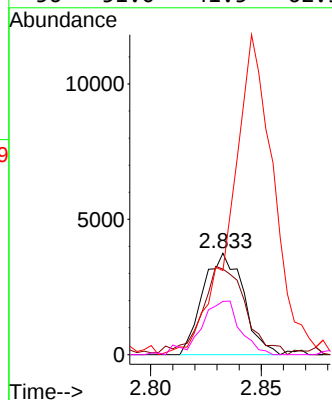
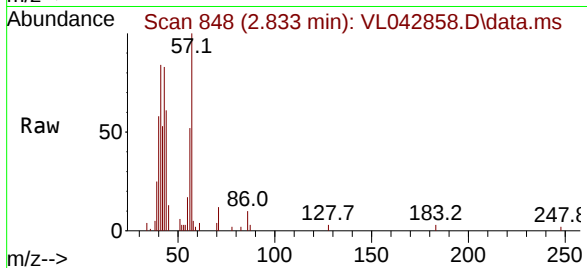




#26
Hexane
Concen: 0.246 ppbv
RT: 2.833 min Scan# 847
Delta R.T. 0.004 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

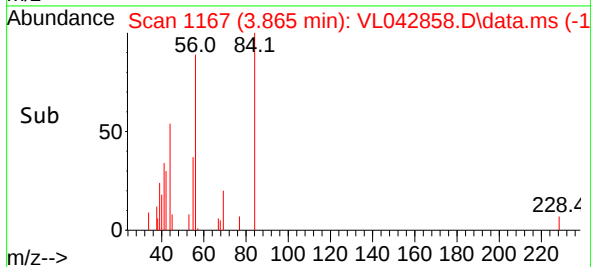
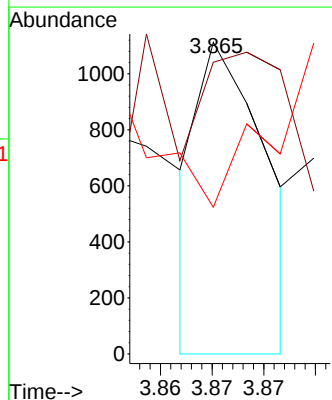
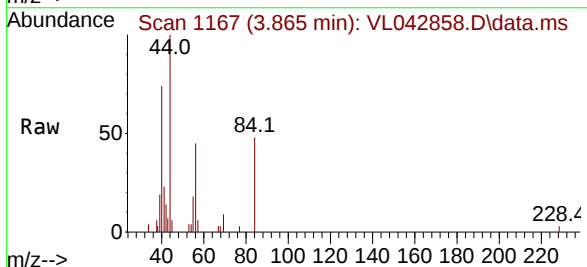
Instrument :
MSVOA_L
ClientSampleId :
OA1

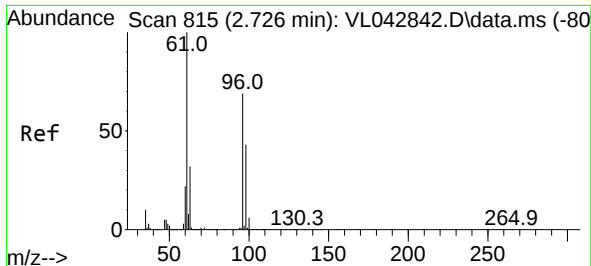
Tgt Ion: 57 Resp: 4761
Ion Ratio Lower Upper
57 100
41 96.7 68.6 103.0
43 324.9 168.5 252.7#
56 51.0 41.5 62.3



#30
Cyclohexane
Concen: 0.030 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.004 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion: 84 Resp: 505
Ion Ratio Lower Upper
84 100
56 0.0 98.8 148.2#
41 0.0 61.3 91.9#

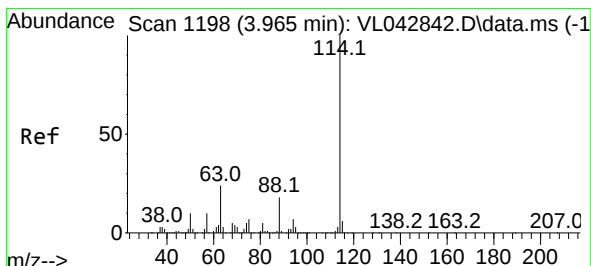
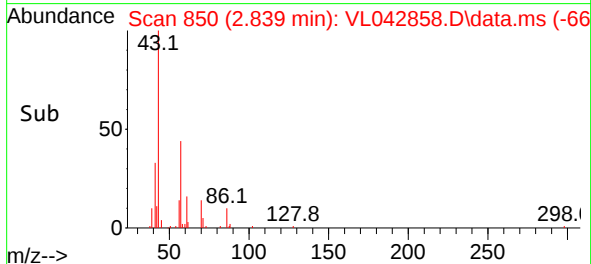
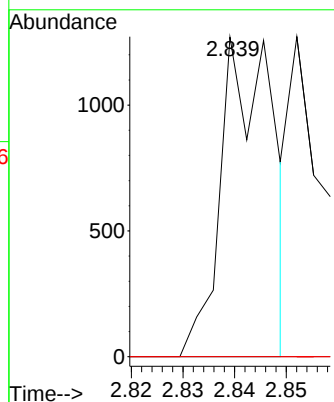
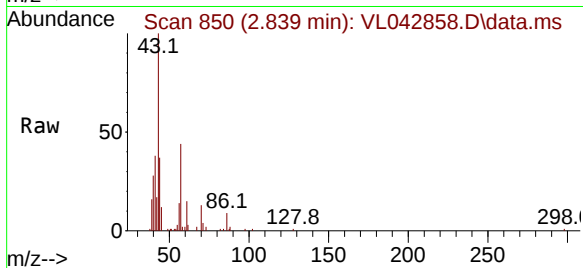




#31
 cis-1,2-Dichloroethene
 Concen: 0.046 ppbv
 RT: 2.839 min Scan# 815
 Delta R.T. 0.114 min
 Lab File: VL042858.D
 Acq: 13 Aug 2025 18:58

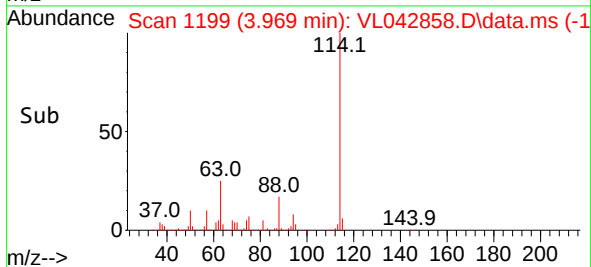
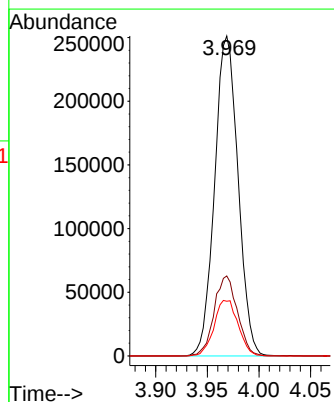
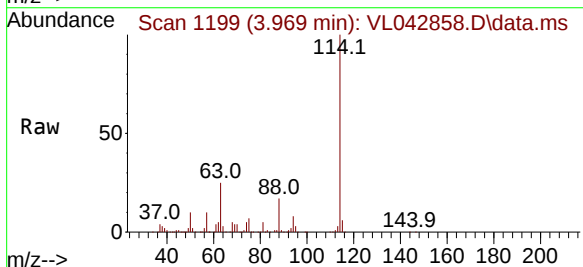
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

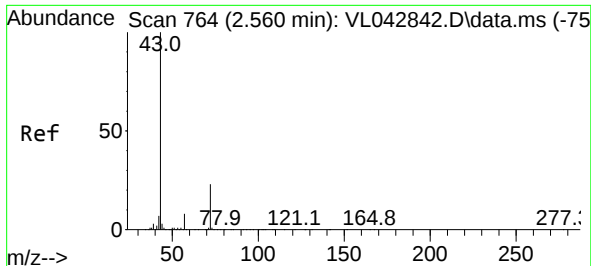
Tgt Ion: 61 Resp: 890
 Ion Ratio Lower Upper
 61 100
 96 0.0 55.0 82.6#
 98 0.0 34.3 51.5#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.969 min Scan# 1199
 Delta R.T. 0.004 min
 Lab File: VL042858.D
 Acq: 13 Aug 2025 18:58

Tgt Ion: 114 Resp: 395826
 Ion Ratio Lower Upper
 114 100
 63 24.9 19.7 29.5
 88 17.9 14.4 21.6

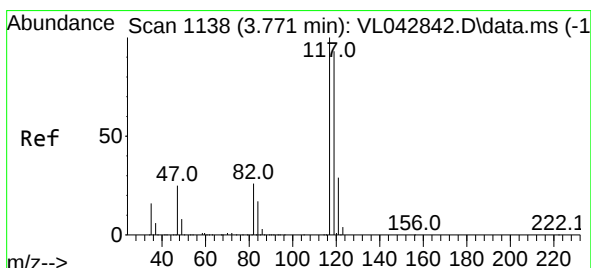
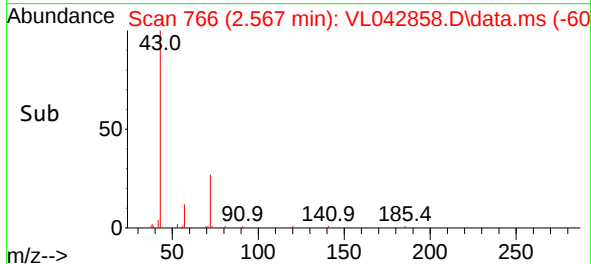
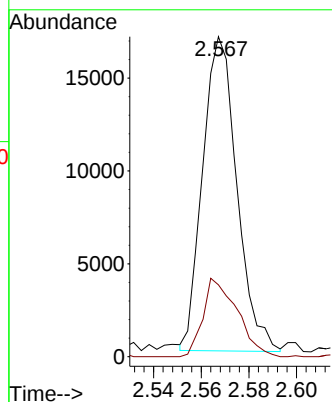
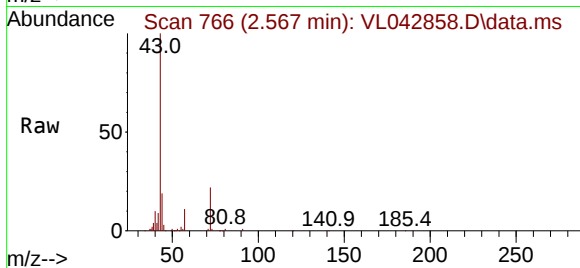




#34
2-Butanone
Concen: 0.632 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.007 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

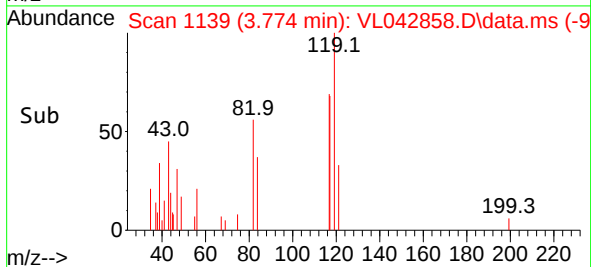
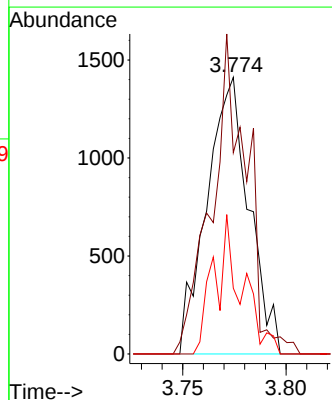
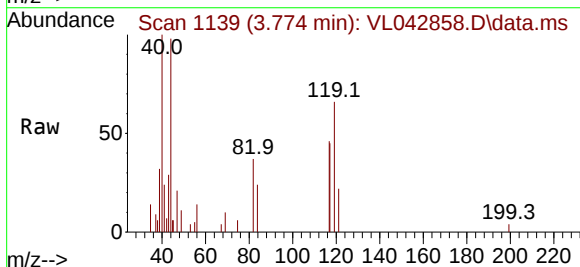
Instrument :
MSVOA_L
ClientSampleId :
OA1

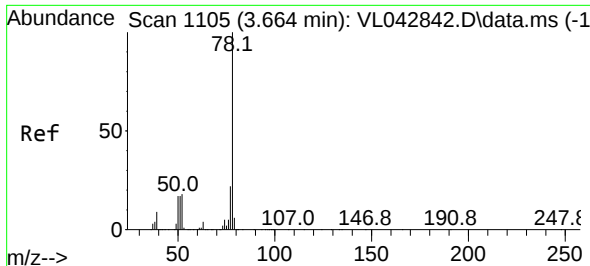
Tgt Ion: 43 Resp: 16901
Ion Ratio Lower Upper
43 100
72 24.9 18.6 28.0



#35
Carbon Tetrachloride
Concen: 0.073 ppbv
RT: 3.774 min Scan# 1139
Delta R.T. 0.004 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion: 117 Resp: 2003
Ion Ratio Lower Upper
117 100
119 68.4 74.7 112.1#
121 23.8 23.2 34.8

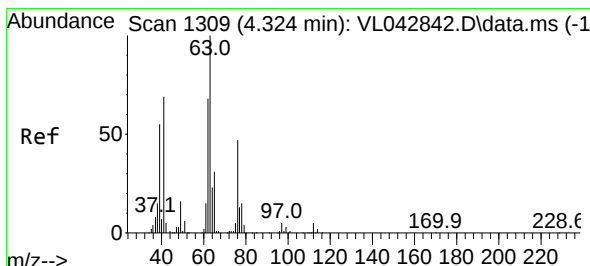
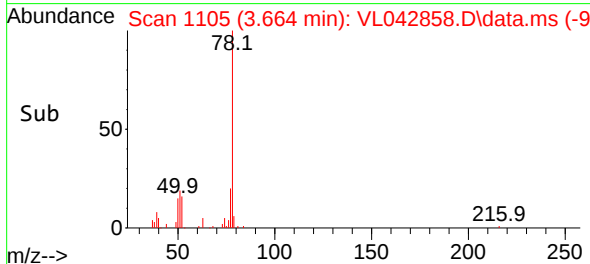
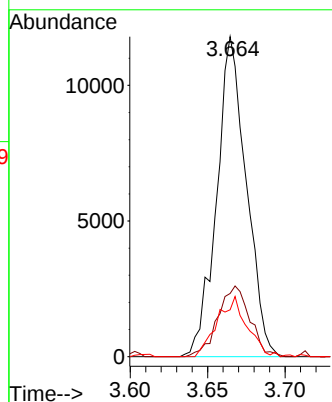
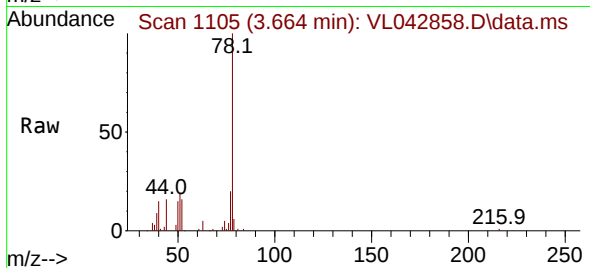




#36
Benzene
Concen: 0.415 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

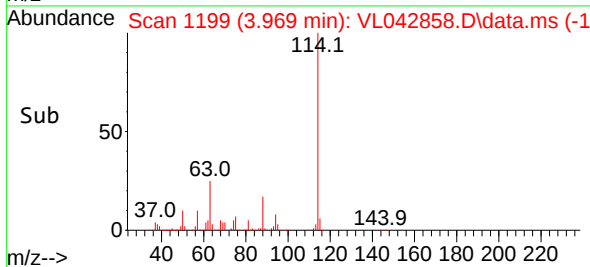
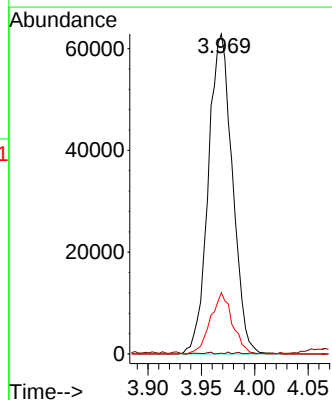
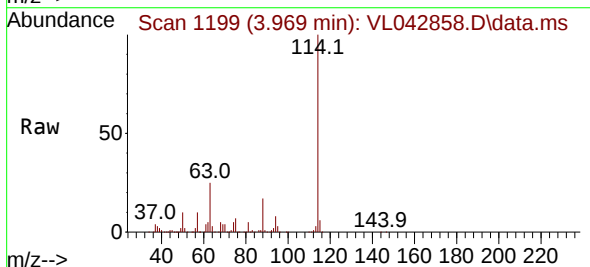
Instrument :
MSVOA_L
ClientSampleId :
OA1

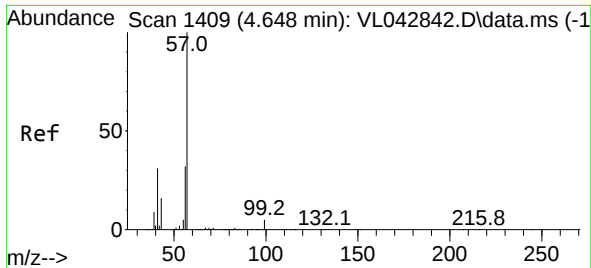
Tgt Ion: 78 Resp: 15732
Ion Ratio Lower Upper
78 100
77 19.8 17.7 26.5
50 14.6 13.9 20.9



#39
1,2-Dichloropropane
Concen: 7.121 ppbv
RT: 3.969 min Scan# 1199
Delta R.T. -0.356 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion: 63 Resp: 98585
Ion Ratio Lower Upper
63 100
41 0.0 55.0 82.4#
62 19.0 54.4 81.6#

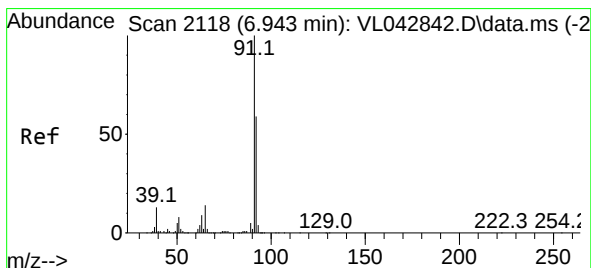
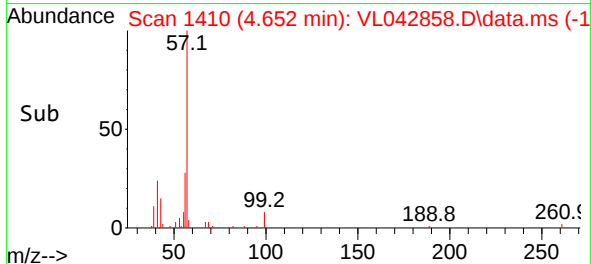
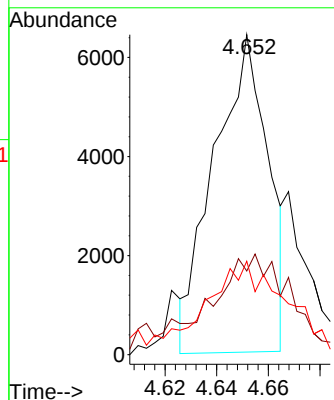
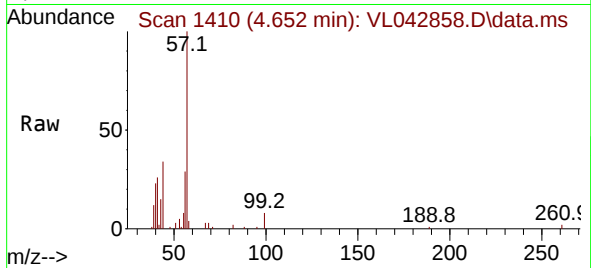




#44
 2,2,4-Trimethylpentane
 Concen: 0.144 ppbv
 RT: 4.652 min Scan# 1410
 Delta R.T. 0.004 min
 Lab File: VL042858.D
 Acq: 13 Aug 2025 18:58

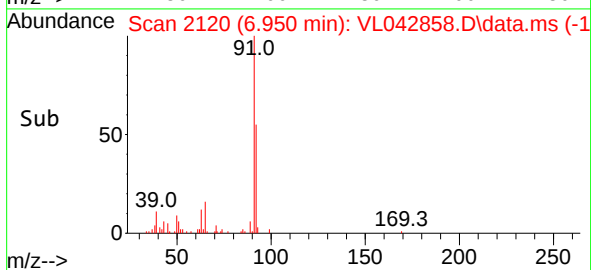
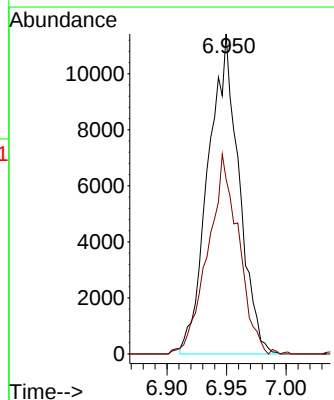
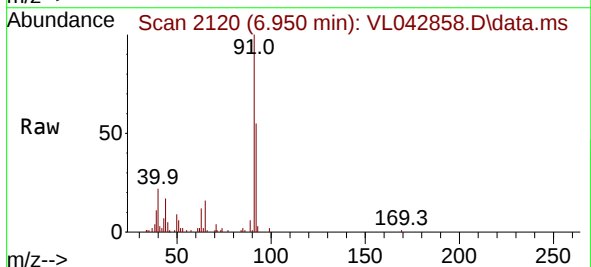
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

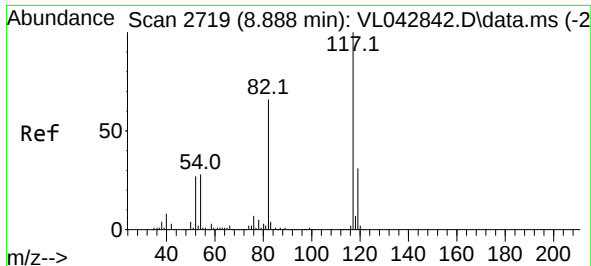
Tgt Ion: 57 Resp: 9292
 Ion Ratio Lower Upper
 57 100
 41 53.4 24.8 37.2#
 56 49.6 25.5 38.3#



#53
 Toluene
 Concen: 0.455 ppbv
 RT: 6.950 min Scan# 2120
 Delta R.T. 0.007 min
 Lab File: VL042858.D
 Acq: 13 Aug 2025 18:58

Tgt Ion: 91 Resp: 20514
 Ion Ratio Lower Upper
 91 100
 92 62.2 47.8 71.6

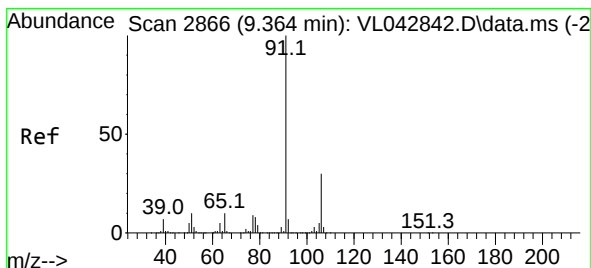
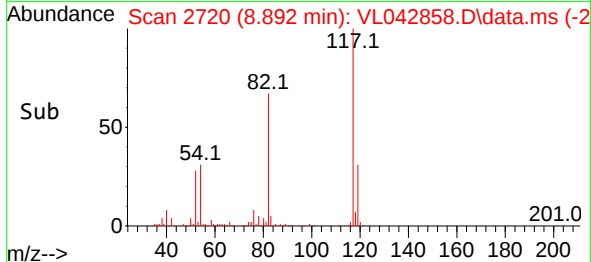
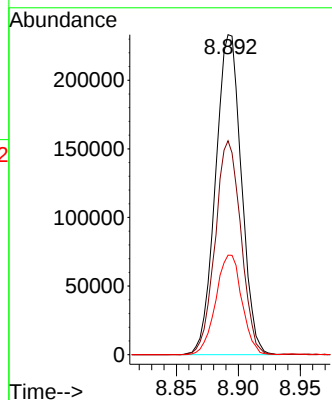
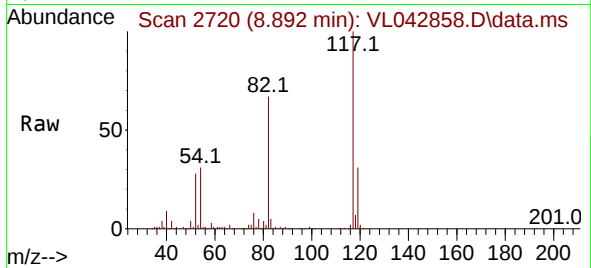




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

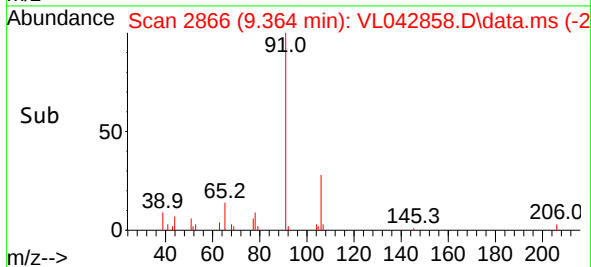
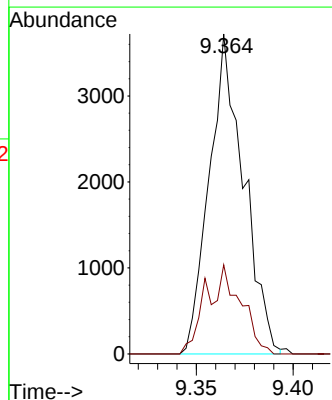
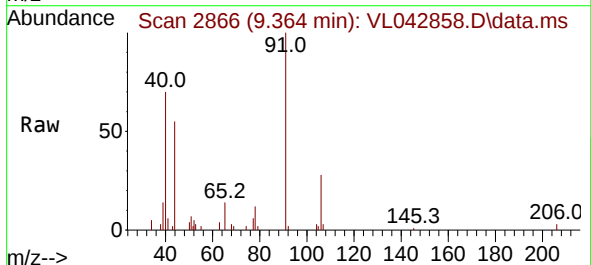
Instrument :
MSVOA_L
ClientSampleId :
OA1

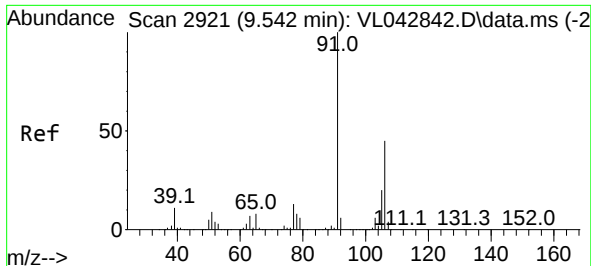
Tgt Ion:117 Resp: 339500
Ion Ratio Lower Upper
117 100
82 66.6 54.6 81.8
119 31.6 25.9 38.9



#58
Ethyl Benzene
Concen: 0.077 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion: 91 Resp: 4587
Ion Ratio Lower Upper
91 100
106 27.9 23.9 35.9





#59

m/p-Xylene

Concen: 0.164 ppbv

RT: 9.539 min Scan# 2921

Delta R.T. -0.003 min

Lab File: VL042858.D

Acq: 13 Aug 2025 18:58

Instrument :

MSVOA_L

ClientSampleId :

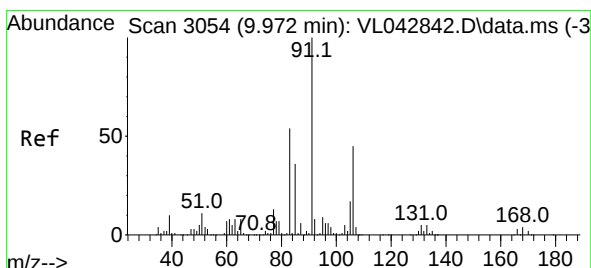
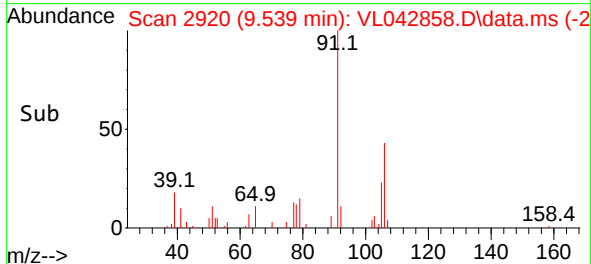
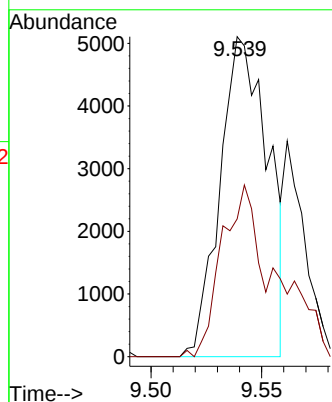
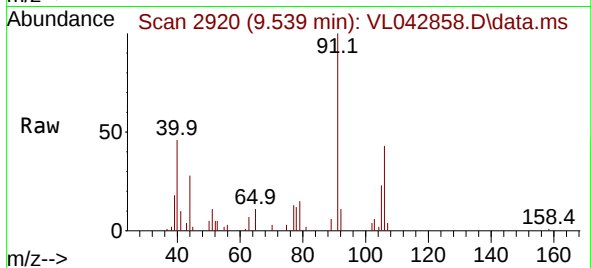
OA1

Tgt Ion: 91 Resp: 7689

Ion Ratio Lower Upper

91 100

106 59.8 0.0 0.0#



#60

o-Xylene

Concen: 0.083 ppbv

RT: 9.973 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VL042858.D

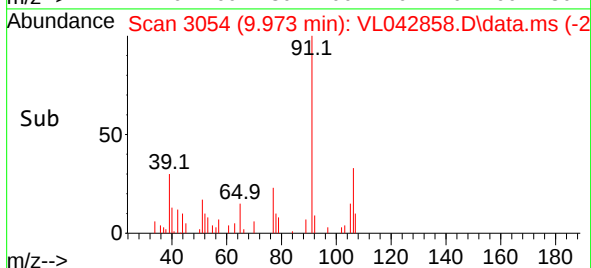
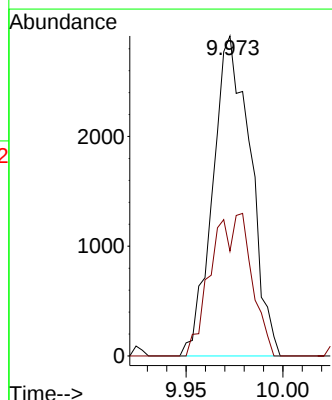
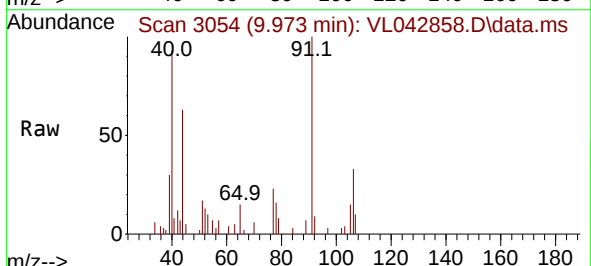
Acq: 13 Aug 2025 18:58

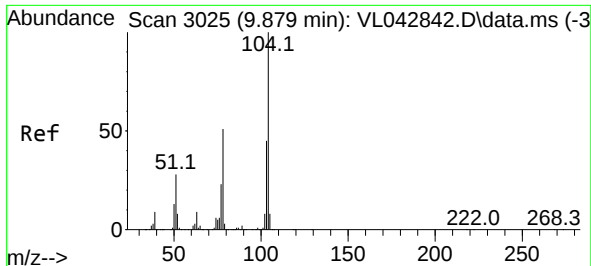
Tgt Ion: 91 Resp: 3941

Ion Ratio Lower Upper

91 100

106 48.0 21.8 65.4

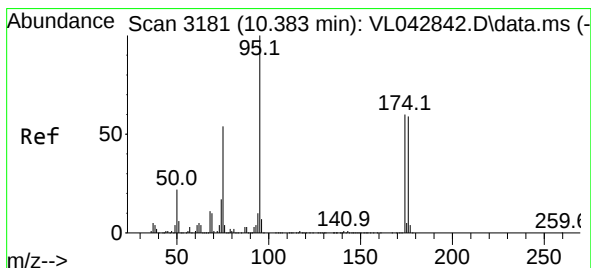
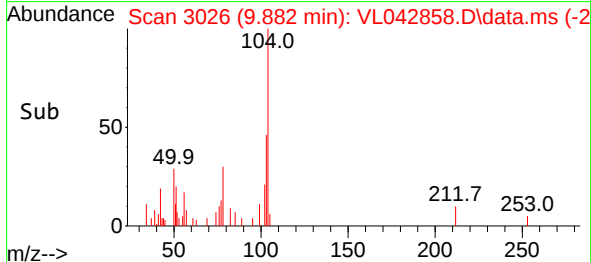
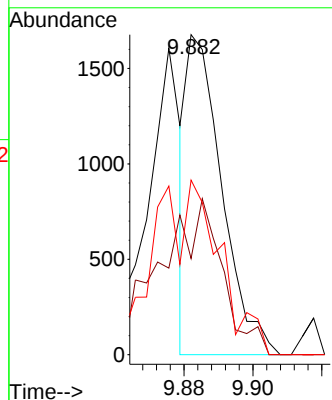
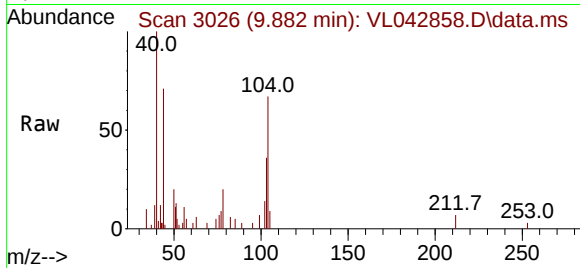




#61
 Styrene
 Concen: 0.054 ppbv
 RT: 9.882 min Scan# 3026
 Delta R.T. 0.004 min
 Lab File: VL042858.D
 Acq: 13 Aug 2025 18:58

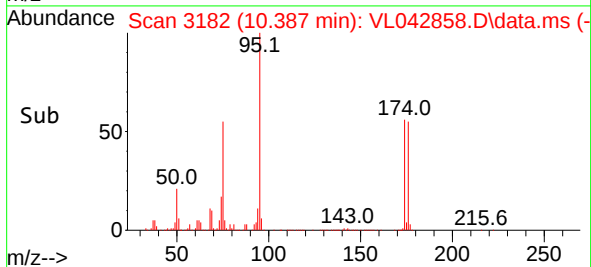
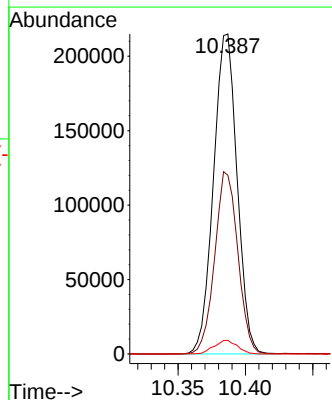
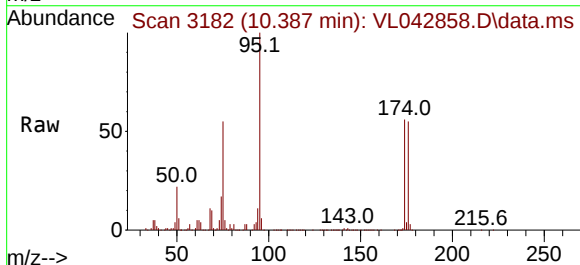
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

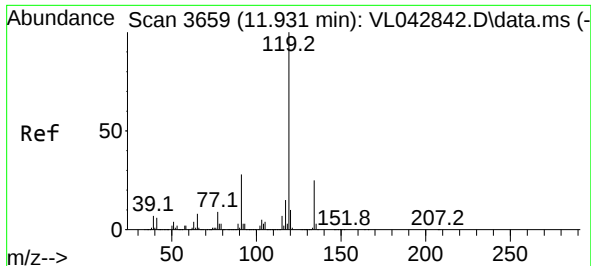
Tgt Ion:104 Resp: 1190
 Ion Ratio Lower Upper
 104 100
 78 86.0 40.6 61.0#
 103 102.4 37.7 56.5#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.286 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.004 min
 Lab File: VL042858.D
 Acq: 13 Aug 2025 18:58

Tgt Ion: 95 Resp: 261906
 Ion Ratio Lower Upper
 95 100
 174 56.0 48.4 72.6
 175 4.2 3.8 5.8

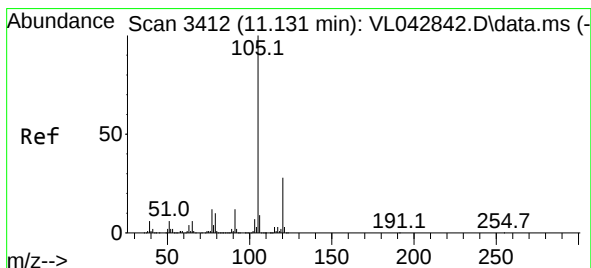
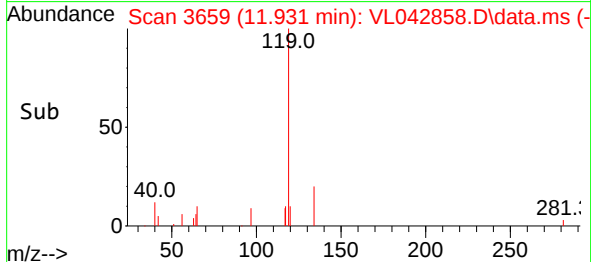
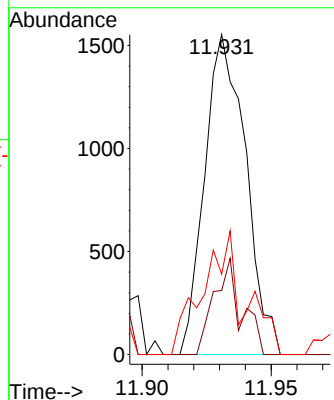
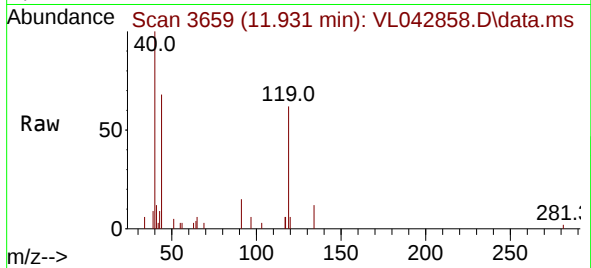




#69
p-Isopropyltoluene
Concen: 0.023 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. 0.000 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

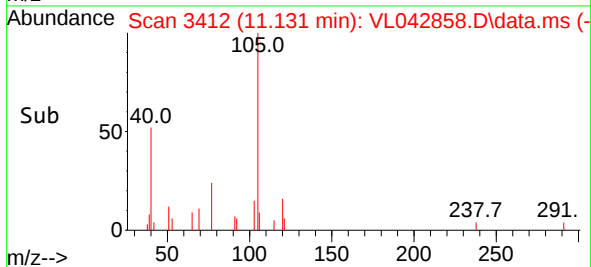
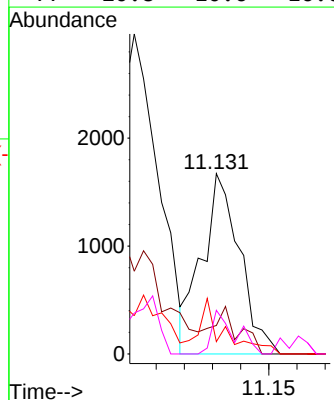
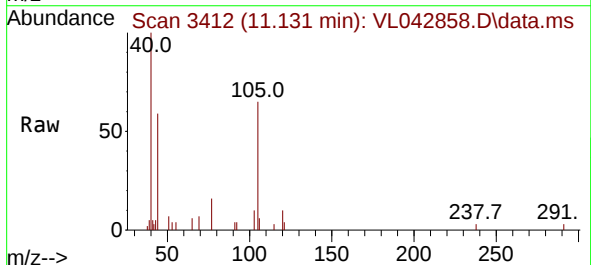
Instrument :
MSVOA_L
ClientSampleId :
OA1

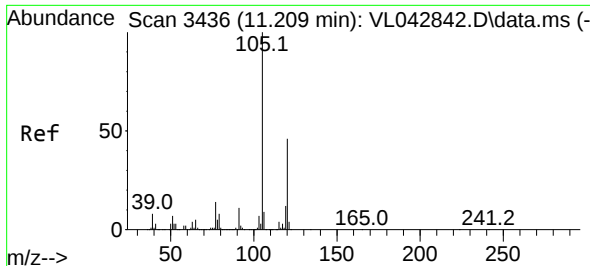
Tgt Ion:119 Resp: 1718
Ion Ratio Lower Upper
119 100
134 19.9 20.6 30.8#
91 42.1 22.6 34.0#



#72
4-Ethyltoluene
Concen: 0.027 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion:105 Resp: 1557
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.2#
91 0.0 9.8 14.6#
77 20.8 10.6 16.0#

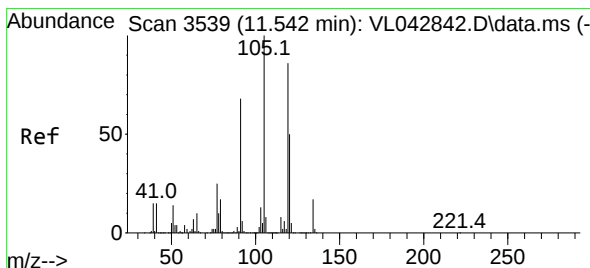
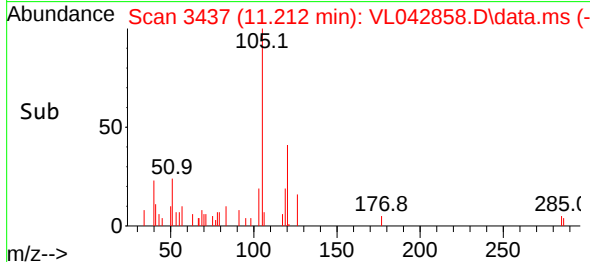
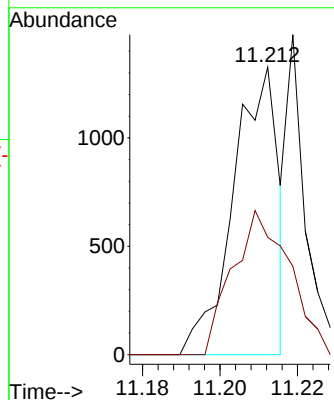
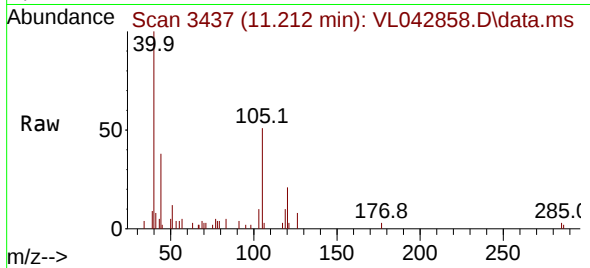




#73
1,3,5-Trimethylbenzene
Concen: 0.022 ppbv
RT: 11.212 min Scan# 3436
Delta R.T. 0.004 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

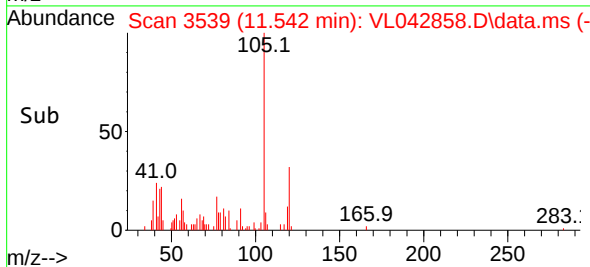
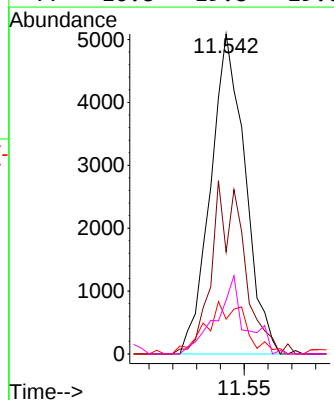
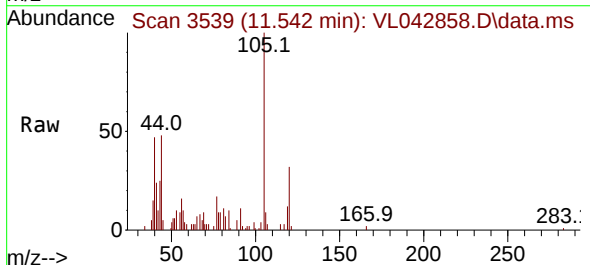
Instrument :
MSVOA_L
ClientSampleId :
OA1

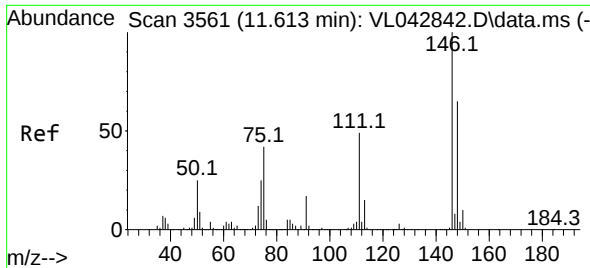
Tgt Ion:105 Resp: 1070
Ion Ratio Lower Upper
105 100
120 40.8 36.6 54.8



#74
1,2,4-Trimethylbenzene
Concen: 0.096 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion:105 Resp: 5116
Ion Ratio Lower Upper
105 100
120 31.9 39.8 59.6#
91 9.3 54.2 81.4#
77 16.8 19.8 29.6#

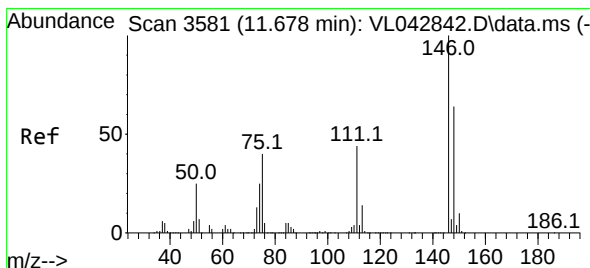
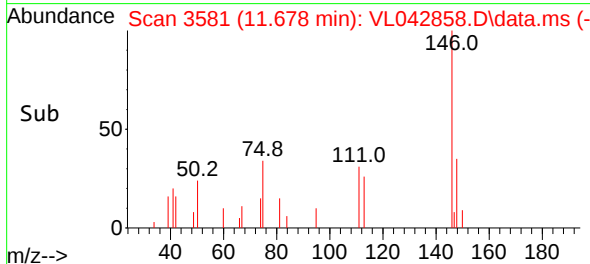
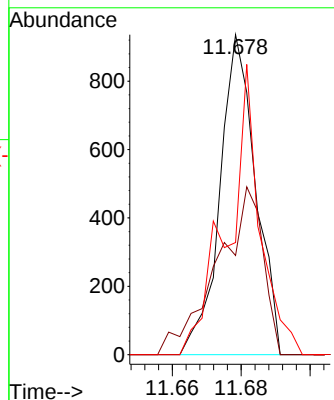
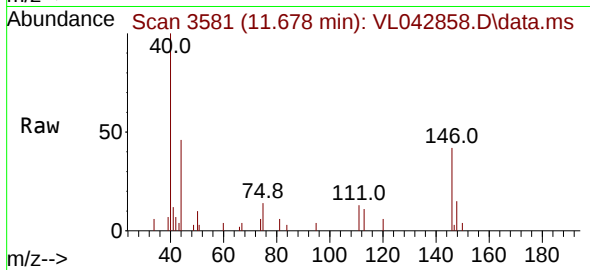




#75
1,3-Dichlorobenzene
Concen: 0.022 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.065 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

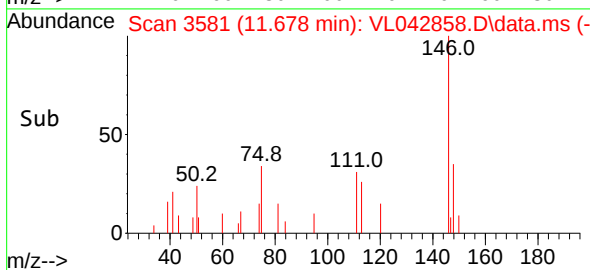
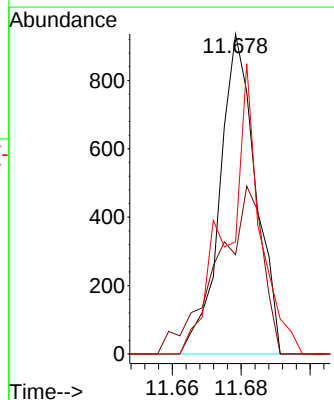
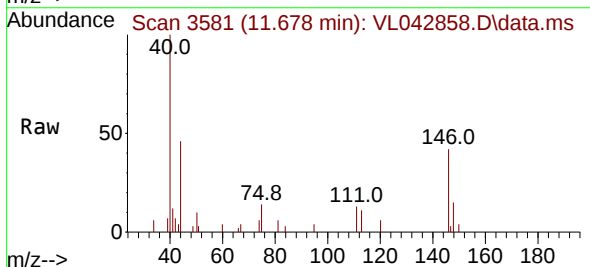
Instrument :
MSVOA_L
ClientSampleId :
OA1

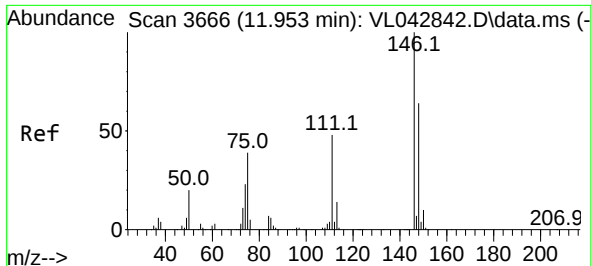
Tgt Ion:	146	Resp:	675
Ion	Ratio	Lower	Upper
146	100		
111	67.1	23.9	71.7
148	81.6	31.4	94.0



#76
1,4-Dichlorobenzene
Concen: 0.022 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion:	146	Resp:	675
Ion	Ratio	Lower	Upper
146	100		
111	67.1	22.7	68.1
148	81.6	31.8	95.3

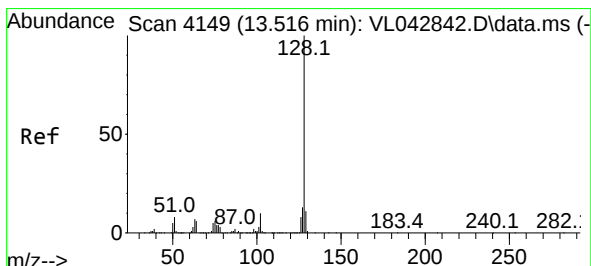
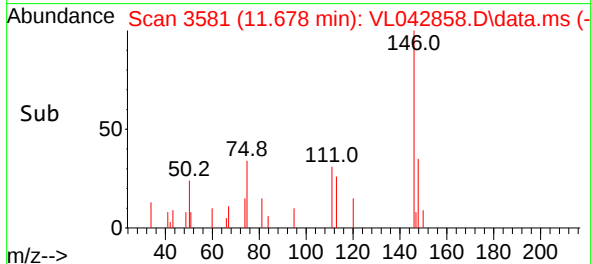
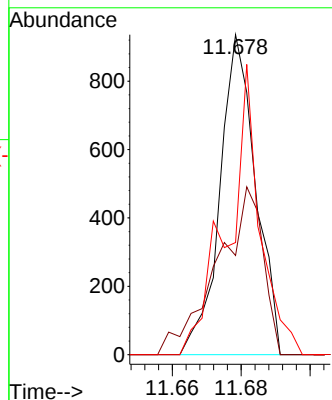
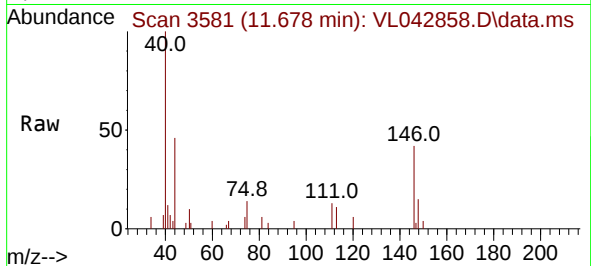




#77
1,2-Dichlorobenzene
Concen: 0.023 ppbv
RT: 11.678 min Scan# 31
Delta R.T. -0.275 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:146 Resp: 675
Ion Ratio Lower Upper
146 100
111 67.1 24.6 74.0
148 81.6 32.0 96.0



#79
Naphthalene
Concen: 0.021 ppbv
RT: 13.520 min Scan# 4150
Delta R.T. 0.004 min
Lab File: VL042858.D
Acq: 13 Aug 2025 18:58

Tgt Ion:128 Resp: 1029
Ion Ratio Lower Upper
128 100
127 6.1 10.6 16.0#
129 0.0 8.9 13.3#

