

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042869.D
 Acq On : 21 Aug 2025 17:17
 Operator : SY/MD
 Sample : Q2887-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: Aug 22 01:24:53 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	131542	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	382704	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	327152	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.383	95	251136	10.236	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	8515	0.442	ppbv	95
3) Chlorodifluoromethane	1.470	51	280343	13.156	ppbv #	60
4) Chloromethane	1.534	50	3400	0.437	ppbv #	87
6) Bromomethane	1.680	94	179	0.058	ppbv #	4
7) Chloroethane	1.496	64	753	0.252	ppbv #	71
8) Dichlorotetrafluoroethane	1.557	85	414	0.026	ppbv #	65
9) Propene	1.891	41	26014	2.827	ppbv	94
10) Heptane	4.994	43	3781	0.153	ppbv #	75
11) Trichlorofluoromethane	1.881	101	4372	0.230	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.146	101	774	0.051	ppbv	89
13) Ethanol	1.725	45	1091810	1297.517	ppbv	94
15) Acetone	1.839	43	216323	12.432	ppbv	98
16) 1,3-Butadiene	1.602	39	819	0.104	ppbv #	75
17) tert-Butyl alcohol	1.891	59	11312	0.548	ppbv	100
19) Isopropyl Alcohol	1.891	45	298594	28.730	ppbv #	66
20) Methylene Chloride	2.065	84	212757	29.188	ppbv	91
21) Allyl Chloride	2.065	41	8282	0.674	ppbv #	40
23) Vinyl Acetate	2.476	43	6989	0.292	ppbv #	46
25) Ethyl Acetate	2.832	43	288910	6.860	ppbv #	77
26) Hexane	2.832	57	423166	21.769	ppbv #	45
27) Carbon Disulfide	2.156	76	473	0.025	ppbv #	1
29) Chloroform	2.858	83	1508	0.054	ppbv #	72
30) Cyclohexane	3.858	84	706	0.041	ppbv #	1
34) 2-Butanone	2.570	43	9831	0.380	ppbv	98
35) Carbon Tetrachloride	3.777	117	924	0.035	ppbv #	38
36) Benzene	3.667	78	6765	0.185	ppbv #	93
39) 1,2-Dichloropropane	3.968	63	95295	7.120	ppbv #	26
41) Tetrahydrofuran	3.234	42	2825	0.196	ppbv #	40
44) 2,2,4-Trimethylpentane	4.648	57	8023	0.129	ppbv #	48
53) Toluene	6.946	91	19545	0.449	ppbv	99
58) Ethyl Benzene	9.364	91	4154	0.072	ppbv	91
59) m/p-Xylene	9.542	91	6252	0.138	ppbv #	100
60) o-Xylene	9.979	91	2073	0.046	ppbv #	32
61) Styrene	9.882	104	1173	0.055	ppbv	98
65) tert-Butylbenzene	11.542	119	1523	0.026	ppbv #	34
66) Benzyl Chloride	11.626	91	154	0.021	ppbv #	65
69) p-Isopropyltoluene	11.931	119	1582	0.022	ppbv #	79
70) n-Butylbenzene	12.290	91	1660	0.024	ppbv #	74
72) 4-Ethyltoluene	11.128	105	2419	0.044	ppbv #	57
73) 1,3,5-Trimethylbenzene	11.212	105	3326	0.071	ppbv #	77
74) 1,2,4-Trimethylbenzene	11.542	105	10340	0.201	ppbv #	67
77) 1,2-Dichlorobenzene	11.953	146	836	0.029	ppbv #	79
79) Naphthalene	13.520	128	5036	0.108	ppbv #	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
Data File : VL042869.D
Acq On : 21 Aug 2025 17:17
Operator : SY/MD
Sample : Q2887-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

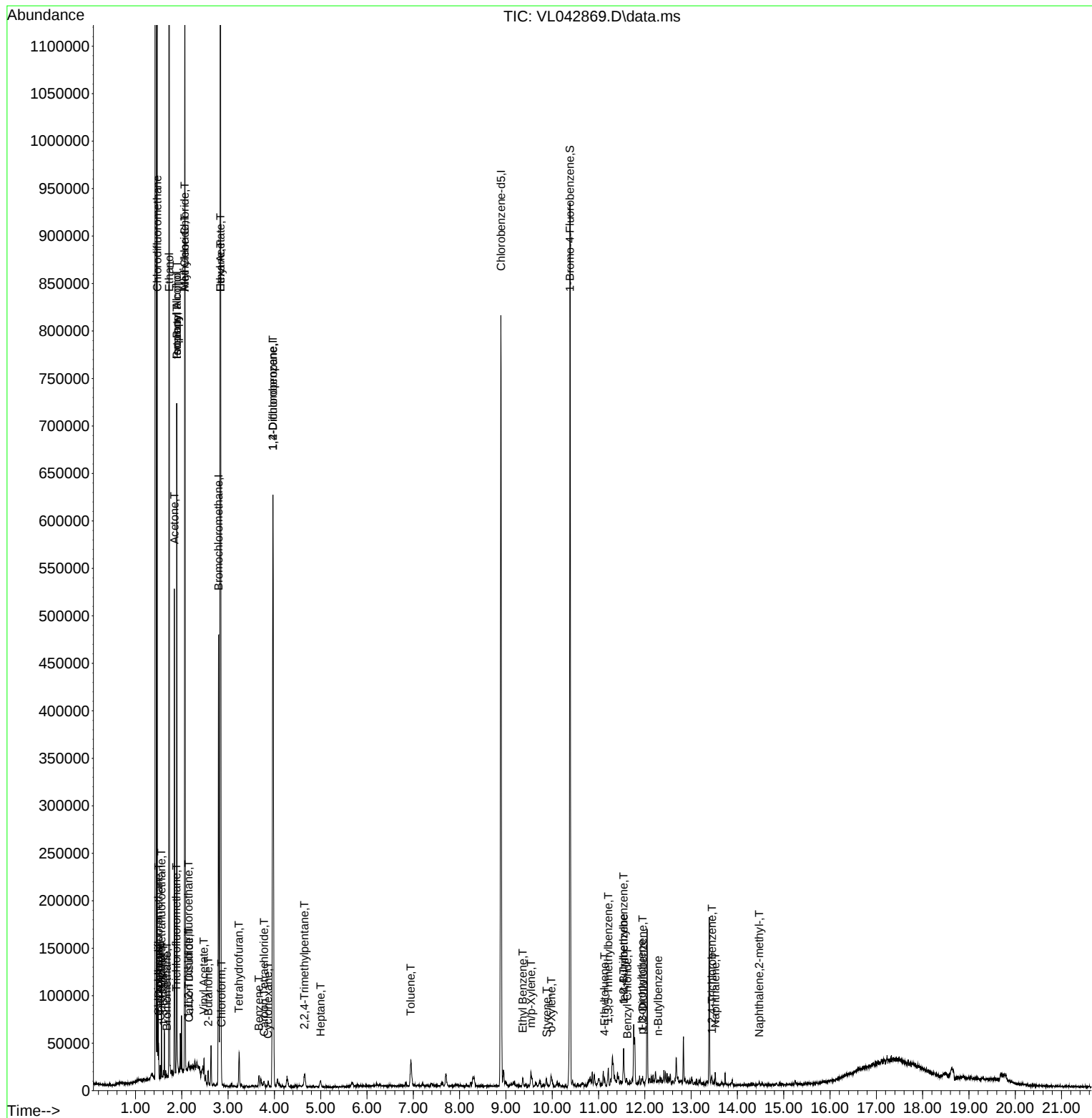
Instrument :
MSVOA_L
ClientSampleId :
IA1

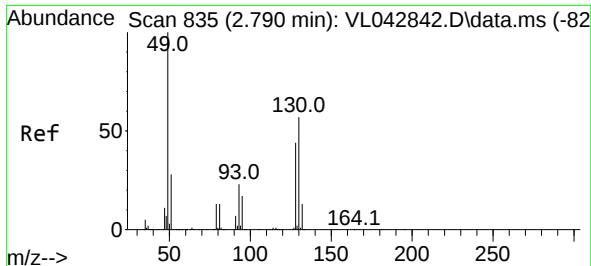
Quant Time: Aug 22 01:24:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	14.471	142	1657	0.095	ppbv	# 85
81) 1,2,4-Trichlorobenzene	13.452	180	1250	0.053	ppbv	97

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

Quant Time: Aug 22 01:24:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

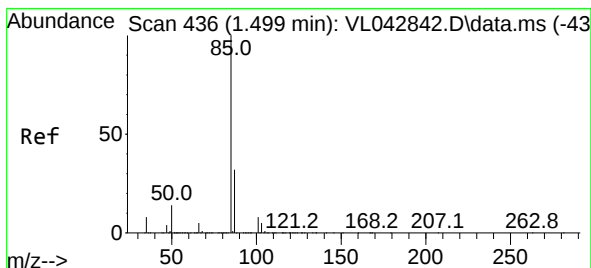
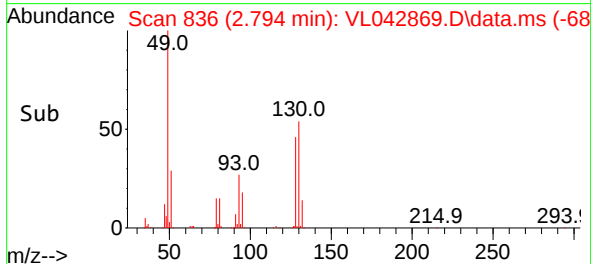
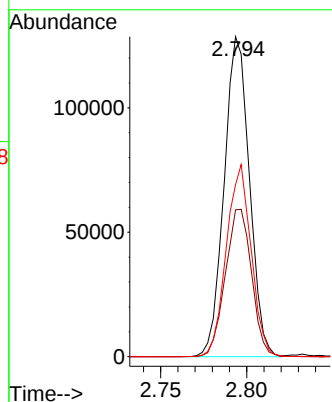
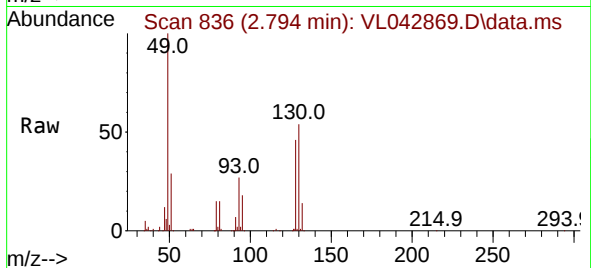




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 835
Delta R.T. 0.004 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

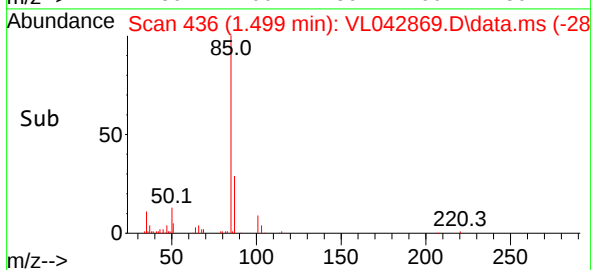
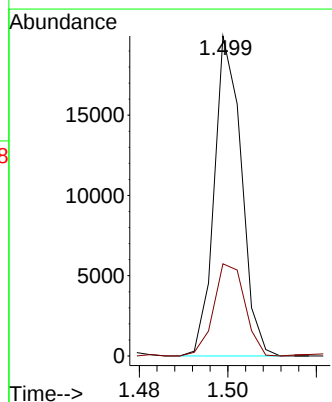
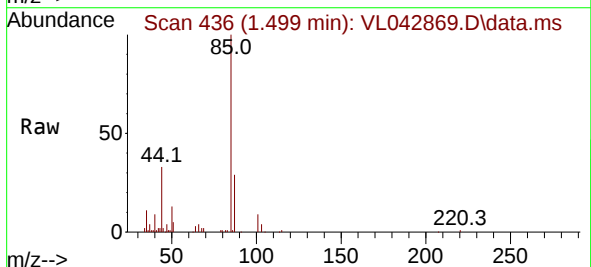
Instrument :
MSVOA_L
ClientSampleId :
IA1

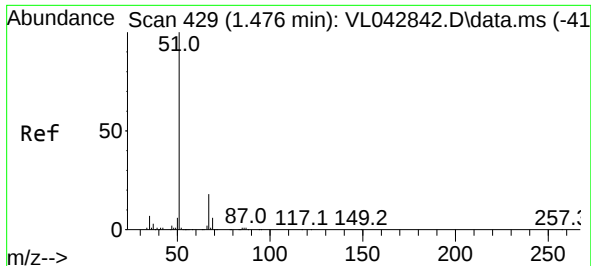
Tgt Ion: 49 Resp: 131542
Ion Ratio Lower Upper
49 100
128 47.7 23.7 71.1
130 58.8 30.6 91.6



#2
Dichlorodifluoromethane
Concen: 0.442 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 85 Resp: 8515
Ion Ratio Lower Upper
85 100
87 28.8 25.3 37.9

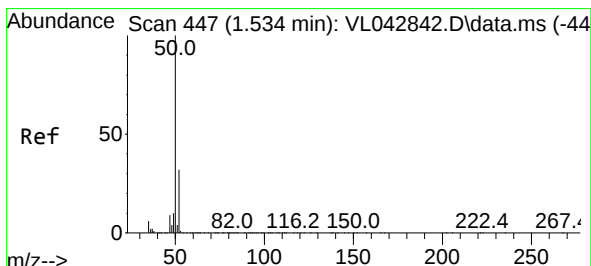
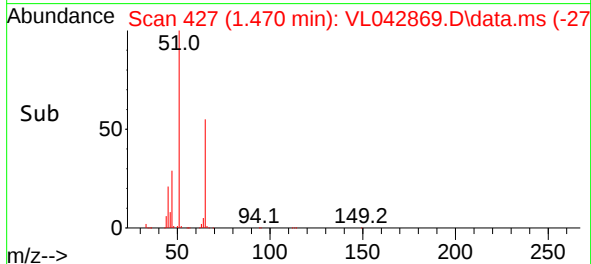
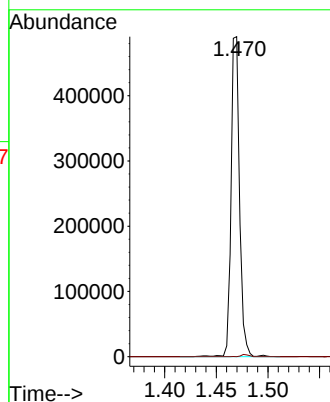
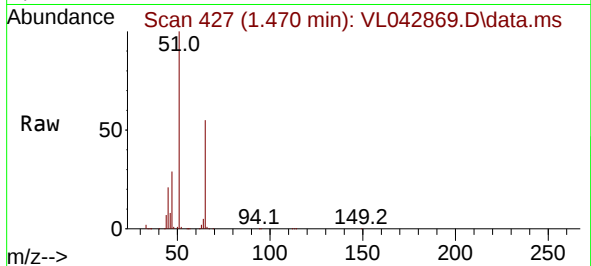




#3
Chlorodifluoromethane
Concen: 13.156 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

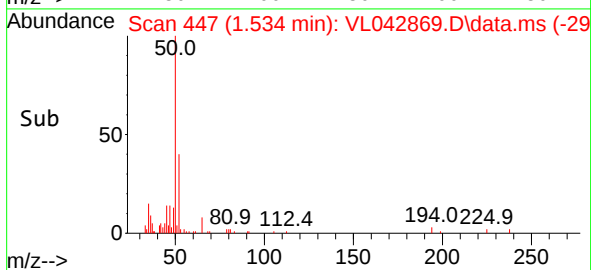
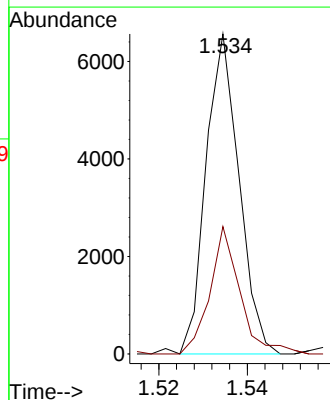
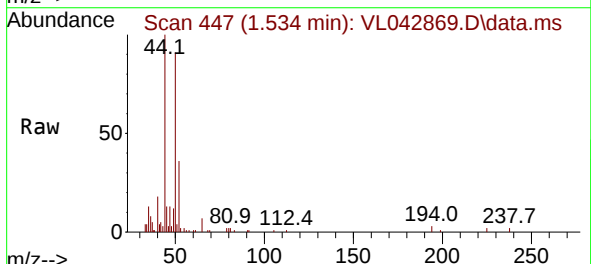
Instrument :
MSVOA_L
ClientSampleId :
IA1

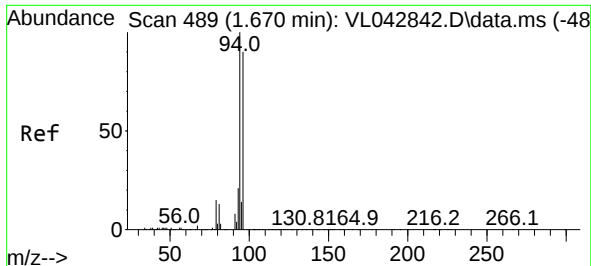
Tgt Ion: 51 Resp: 280343
Ion Ratio Lower Upper
51 100
67 0.7 14.9 22.3#



#4
Chloromethane
Concen: 0.437 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 50 Resp: 3400
Ion Ratio Lower Upper
50 100
52 39.8 25.9 38.9#

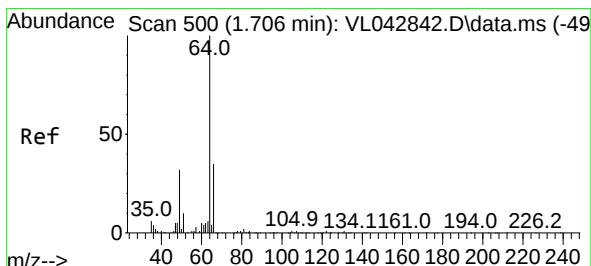
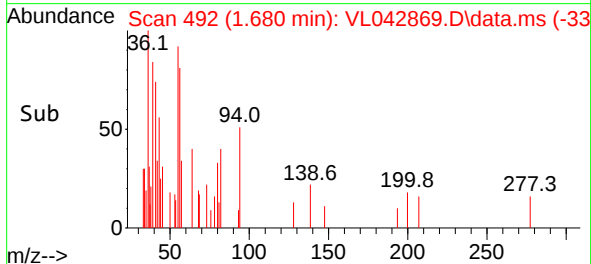
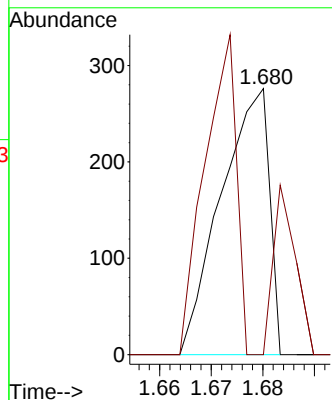
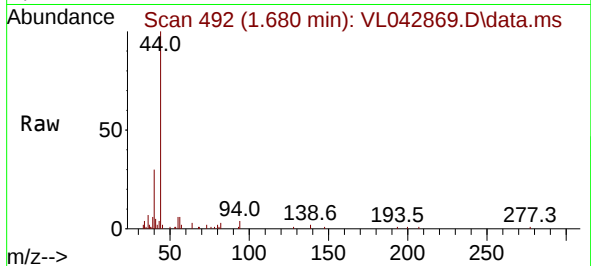




#6
Bromomethane
Concen: 0.058 ppbv
RT: 1.680 min Scan# 492
Delta R.T. 0.010 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

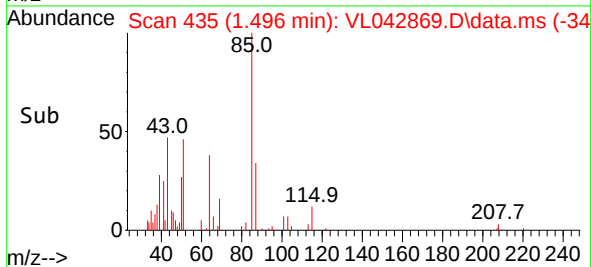
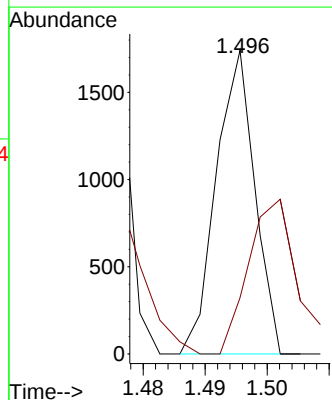
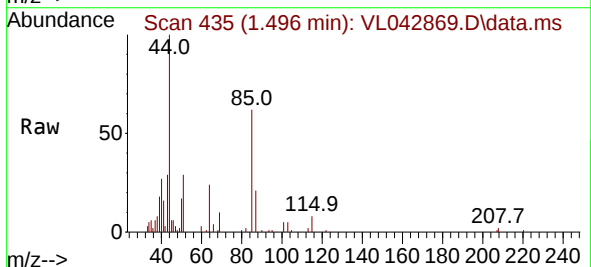
Instrument :
MSVOA_L
ClientSampleId :
IA1

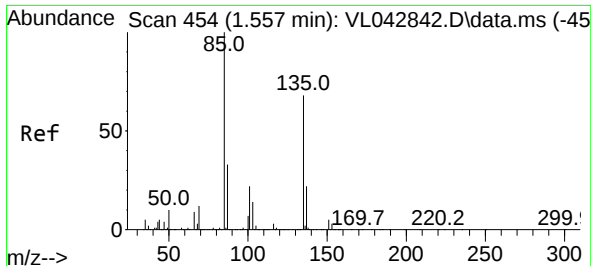
Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 0.0 72.1 108.1#



#7
Chloroethane
Concen: 0.252 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.210 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 64 Resp: 753
Ion Ratio Lower Upper
64 100
66 18.6 28.6 42.8#

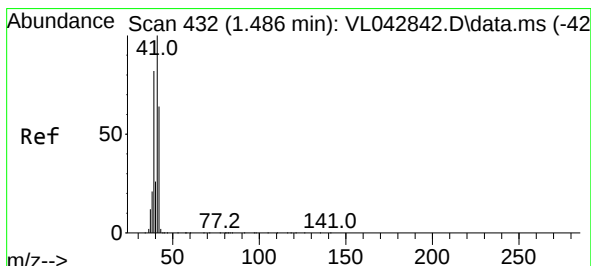
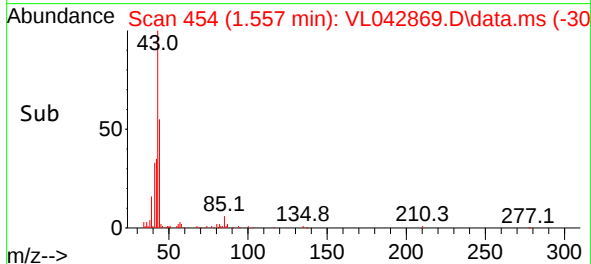
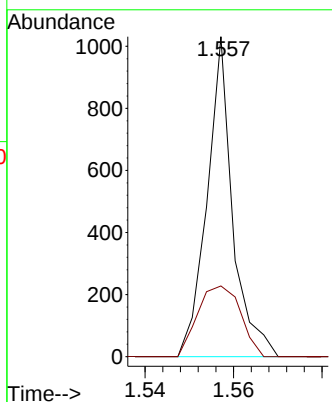
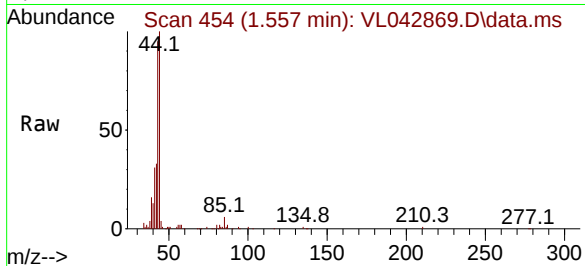




#8
Dichlorotetrafluoroethane
Concen: 0.026 ppbv
RT: 1.557 min Scan# 414
Delta R.T. 0.000 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

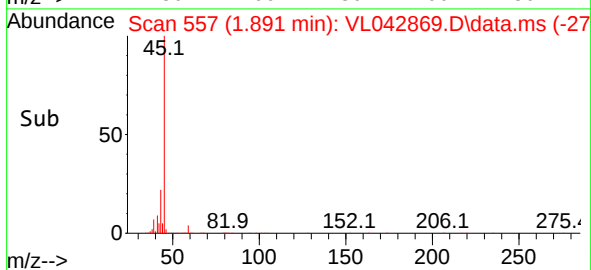
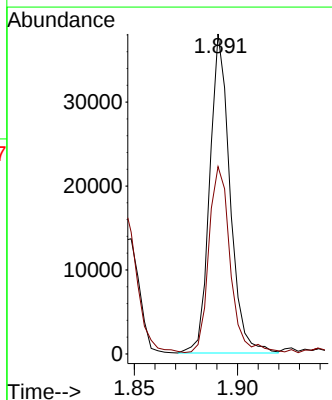
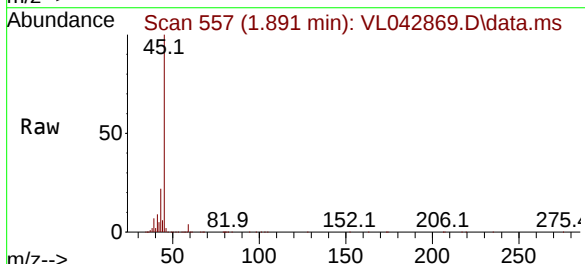
Instrument :
MSVOA_1
ClientSampleId :
IA1

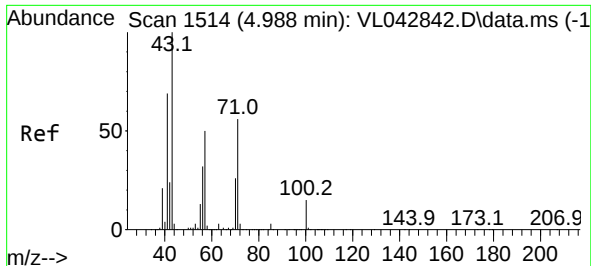
Tgt Ion: 85 Resp: 414
Ion Ratio Lower Upper
85 100
135 37.0 51.2 76.8#



#9
Propene
Concen: 2.827 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.405 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 41 Resp: 26014
Ion Ratio Lower Upper
41 100
42 61.4 53.0 79.4

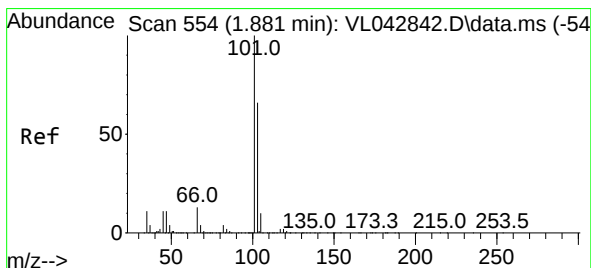
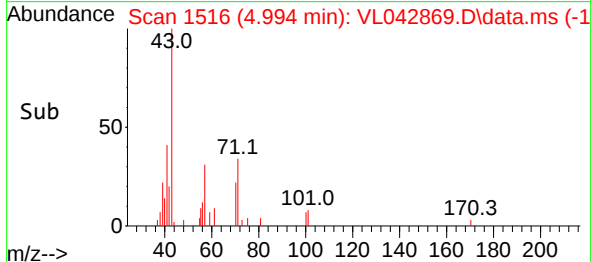
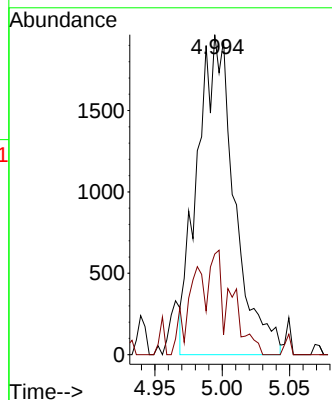
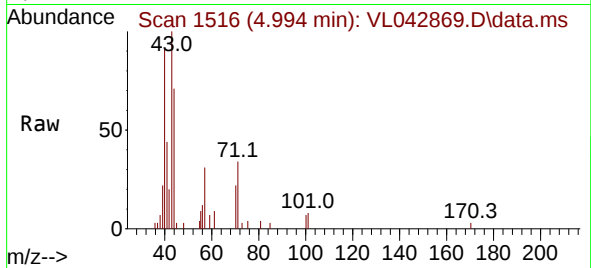




#10
Heptane
Concen: 0.153 ppbv
RT: 4.994 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

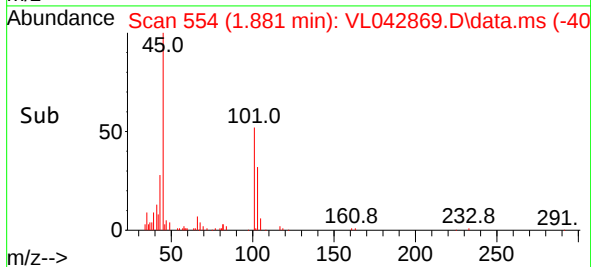
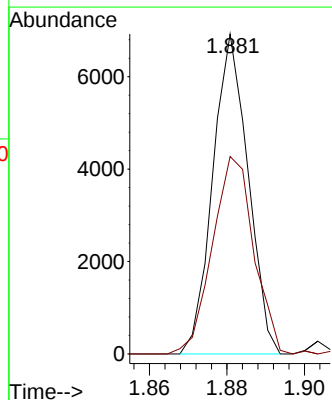
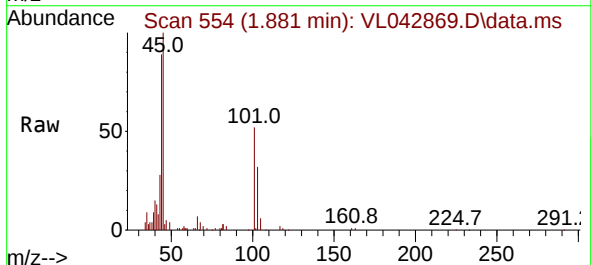
Instrument :
MSVOA_L
ClientSampleId :
IA1

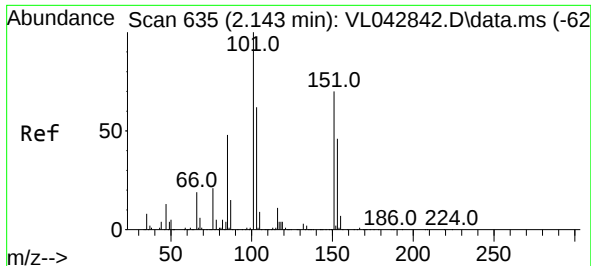
Tgt Ion: 43 Resp: 3781
Ion Ratio Lower Upper
43 100
57 34.1 41.4 62.0#



#11
Trichlorofluoromethane
Concen: 0.230 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.000 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion:101 Resp: 4372
Ion Ratio Lower Upper
101 100
103 60.6 52.5 78.7

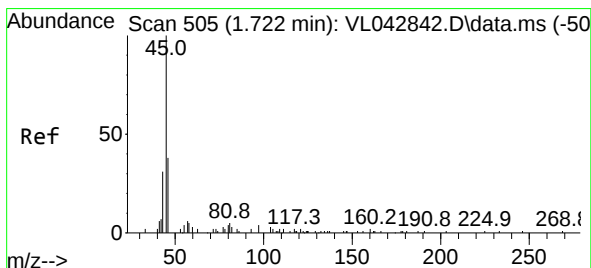
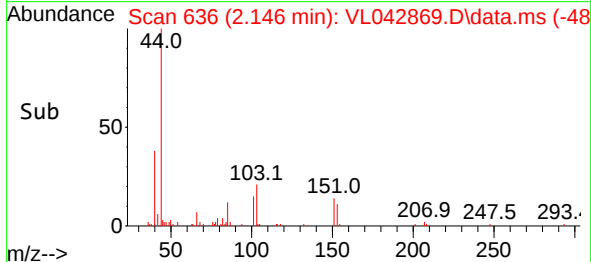
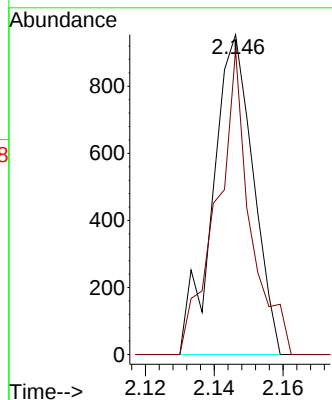
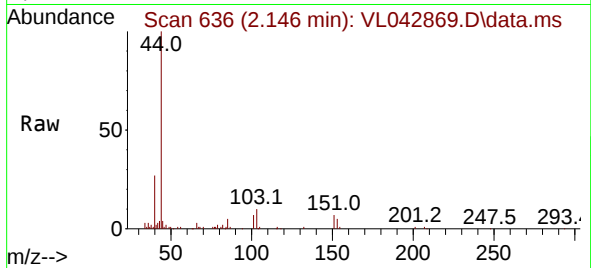




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.051 ppbv
RT: 2.146 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

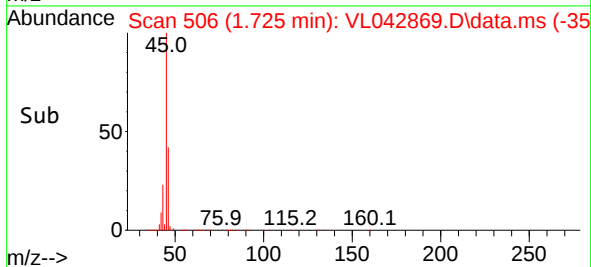
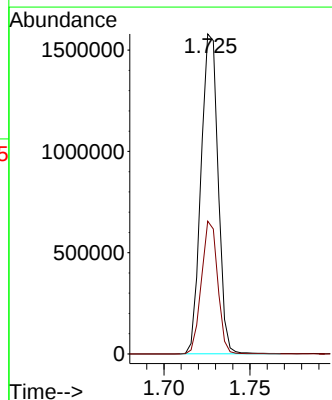
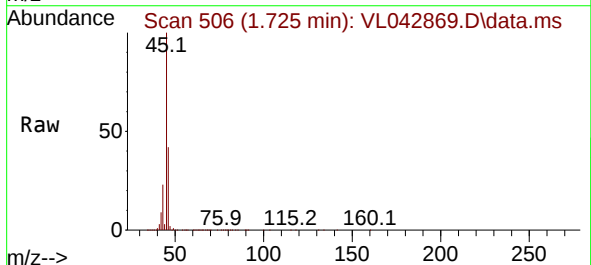
Instrument :
MSVOA_L
ClientSampleId :
IA1

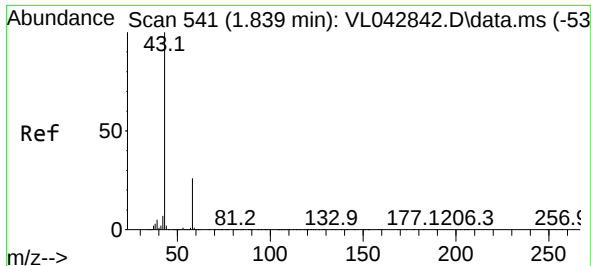
Tgt Ion:101 Resp: 774
Ion Ratio Lower Upper
101 100
151 79.8 56.4 84.6



#13
Ethanol
Concen: 1297.517 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.003 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 45 Resp: 1091810
Ion Ratio Lower Upper
45 100
46 39.7 17.5 69.9

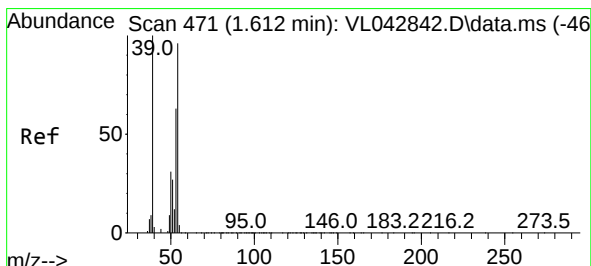
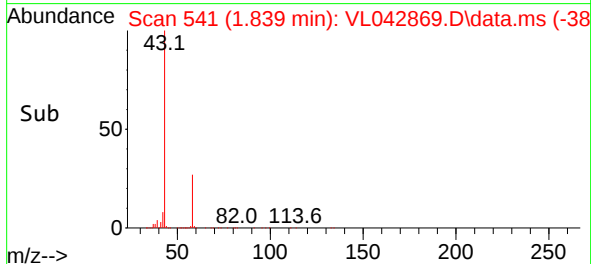
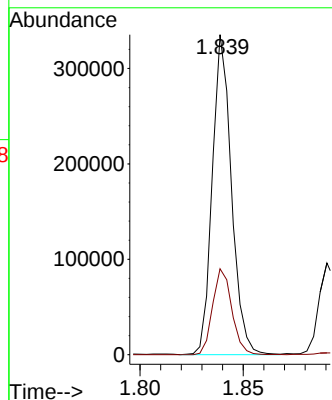
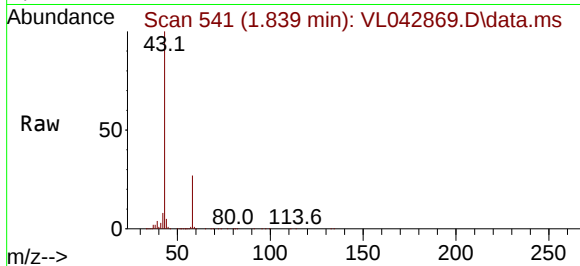




#15
Acetone
Concen: 12.432 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

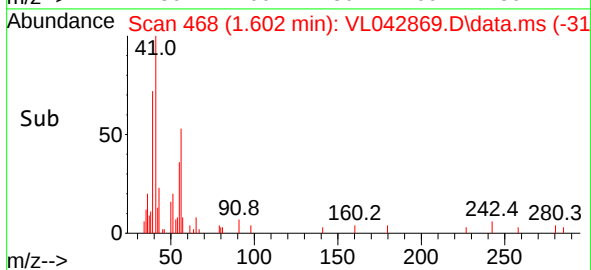
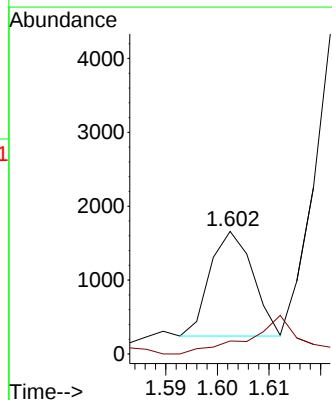
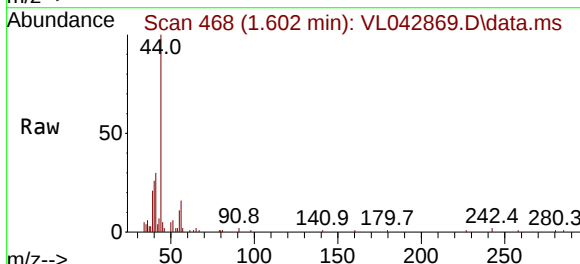
Instrument :
MSVOA_L
ClientSampleId :
IA1

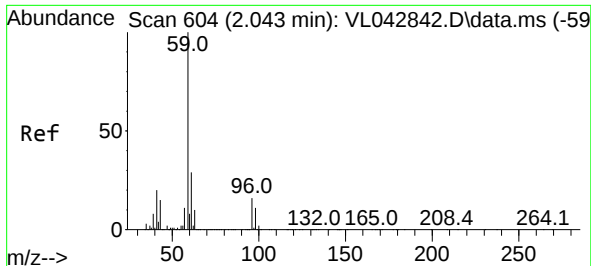
Tgt Ion: 43 Resp: 216323
Ion Ratio Lower Upper
43 100
58 26.9 22.4 33.6



#16
1,3-Butadiene
Concen: 0.104 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.010 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 39 Resp: 819
Ion Ratio Lower Upper
39 100
54 57.9 63.6 95.4#

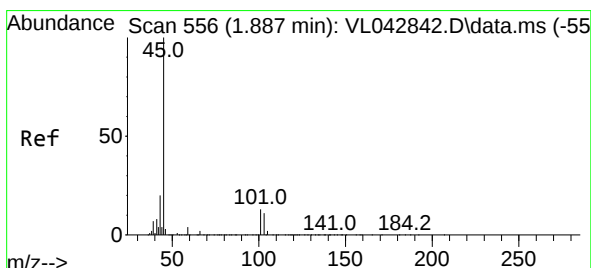
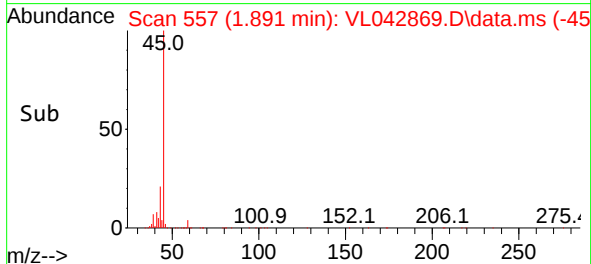
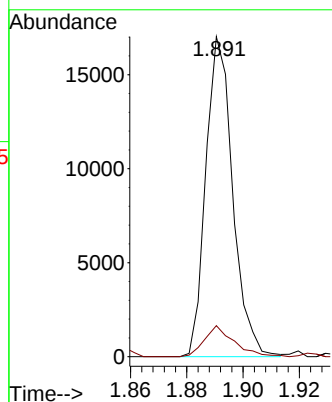
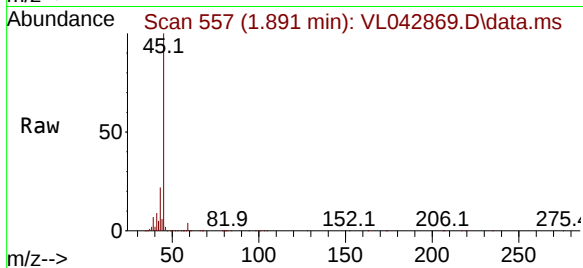




#17
tert-Butyl alcohol
Concen: 0.548 ppbv
RT: 1.891 min Scan# 557
Delta R.T. -0.152 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

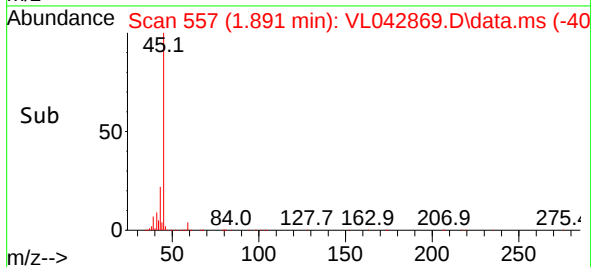
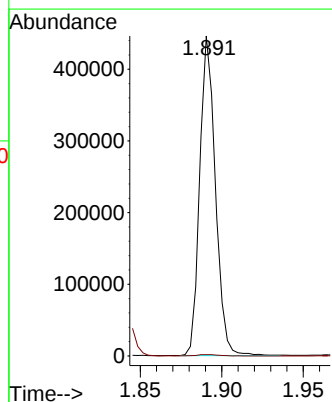
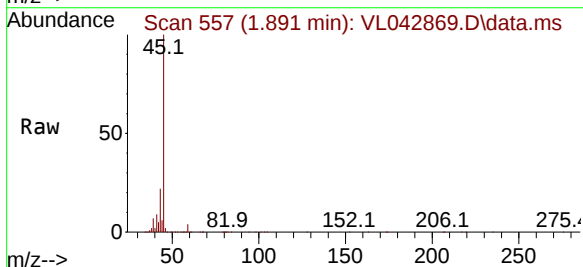
Instrument :
MSVOA_1
ClientSampleId :
IA1

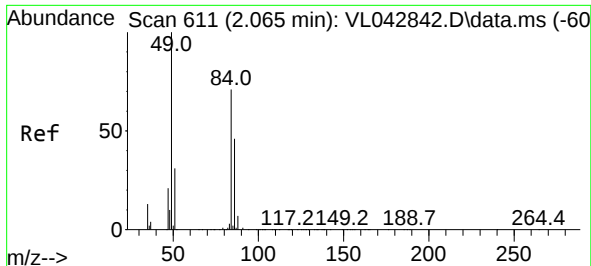
Tgt Ion: 59 Resp: 11312
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.4



#19
Isopropyl Alcohol
Concen: 28.730 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 45 Resp: 298594
Ion Ratio Lower Upper
45 100
58 19.5 32.7 49.1#

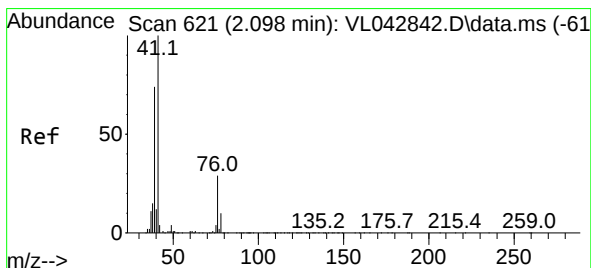
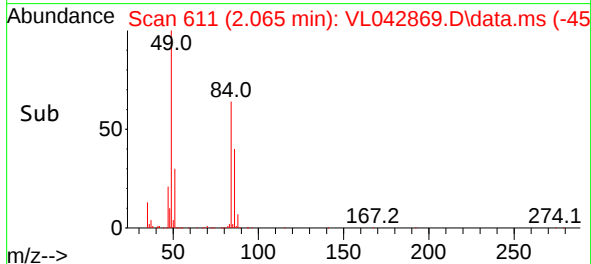
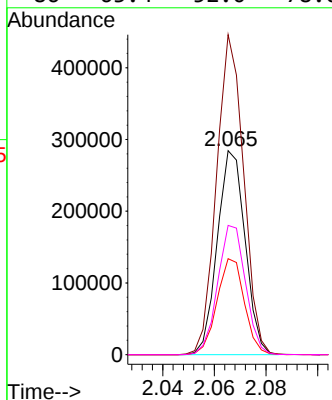
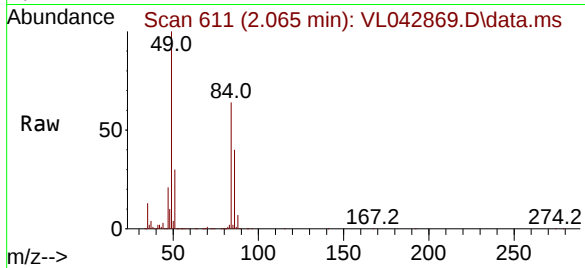




#20
Methylene Chloride
Concen: 29.188 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

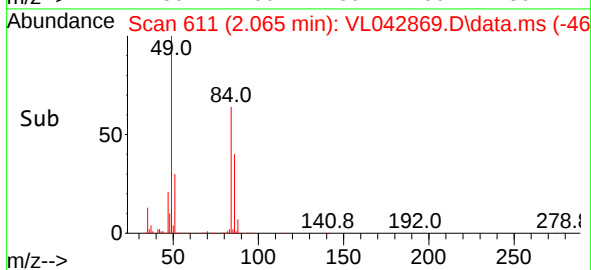
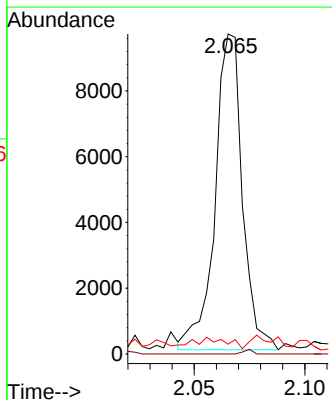
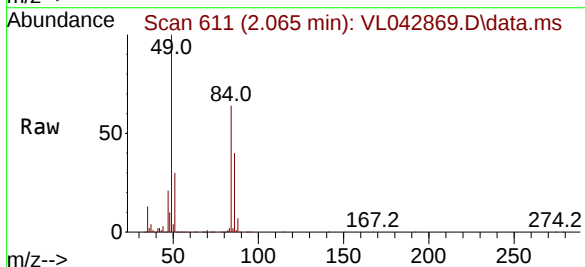
Instrument :
MSVOA_L
ClientSampleId :
IA1

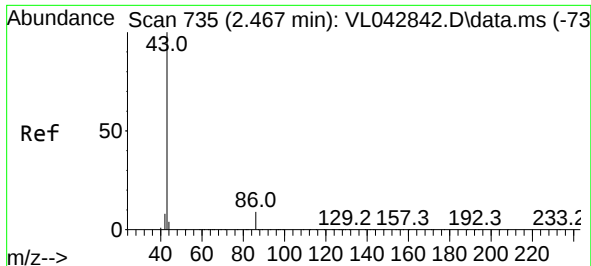
Tgt Ion:	84	Resp:	212757
Ion	Ratio	Lower	Upper
84	100		
49	156.9	112.3	168.5
51	47.0	36.0	54.0
86	63.4	52.0	78.0



#21
Allyl Chloride
Concen: 0.674 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.032 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion:	41	Resp:	8282
Ion	Ratio	Lower	Upper
41	100		
76	0.5	23.9	35.9#
39	20.7	57.8	86.6#

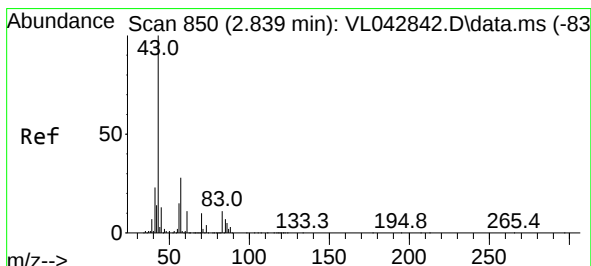
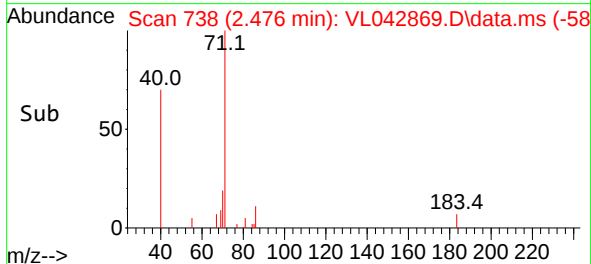
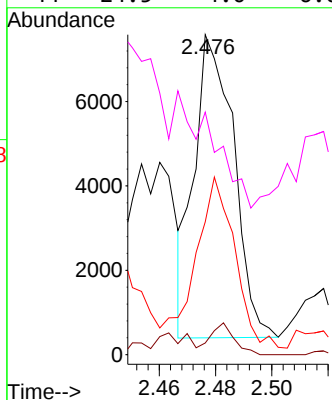
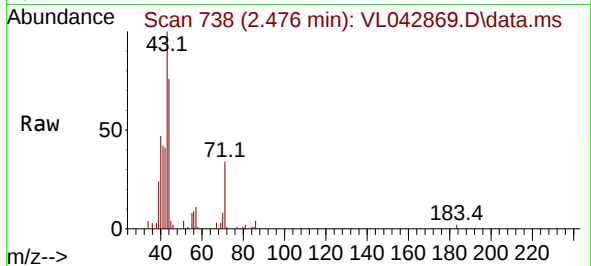




#23
Vinyl Acetate
Concen: 0.292 ppbv
RT: 2.476 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

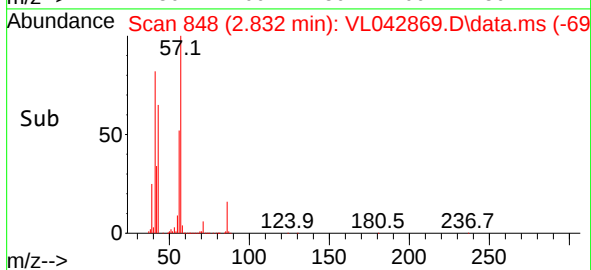
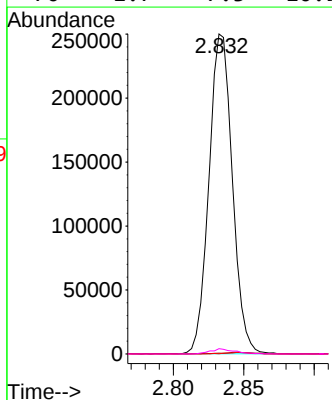
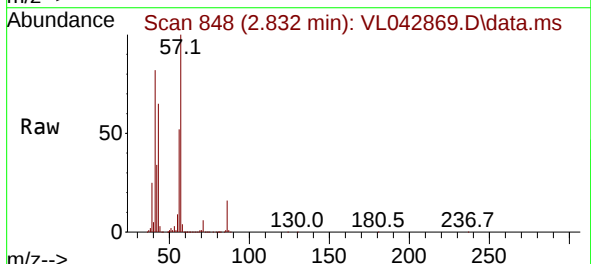
Instrument :
MSVOA_L
ClientSampleId :
IA1

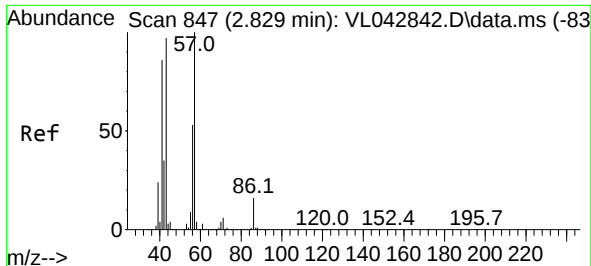
Tgt Ion:	43	Resp:	6989
Ion	Ratio	Lower	Upper
43	100		
86	3.8	6.6	9.8#
42	41.4	7.0	10.6#
44	24.5	4.0	6.0#



#25
Ethyl Acetate
Concen: 6.860 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.006 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion:	43	Resp:	288910
Ion	Ratio	Lower	Upper
43	100		
45	0.8	8.1	12.1#
61	0.5	7.4	11.2#
70	1.7	7.3	10.9#

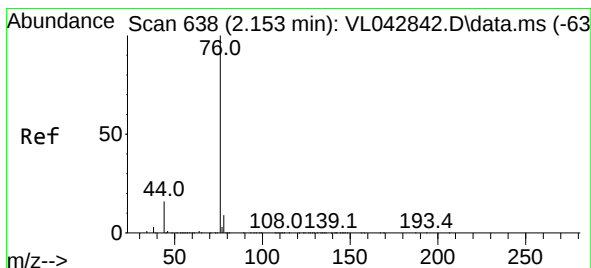
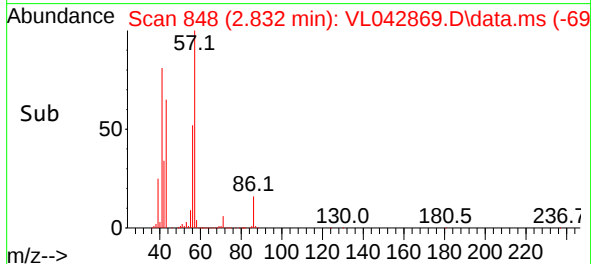
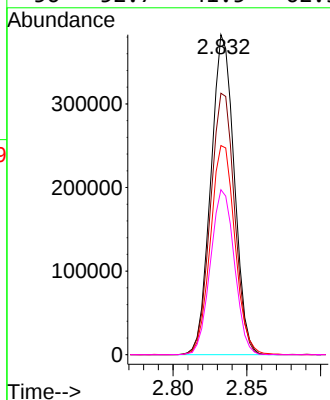
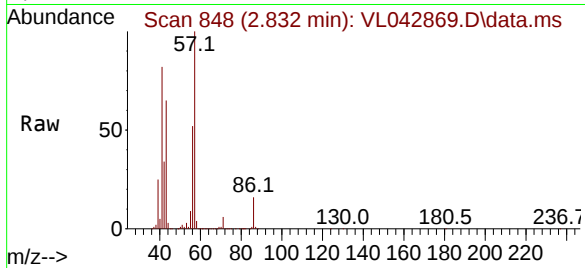




#26
Hexane
Concen: 21.769 ppbv
RT: 2.832 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

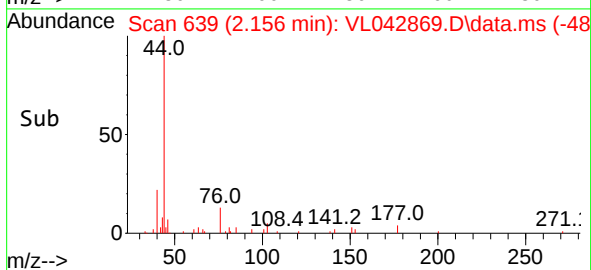
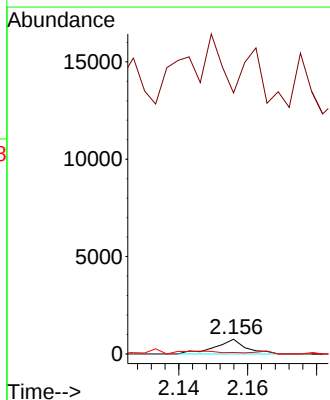
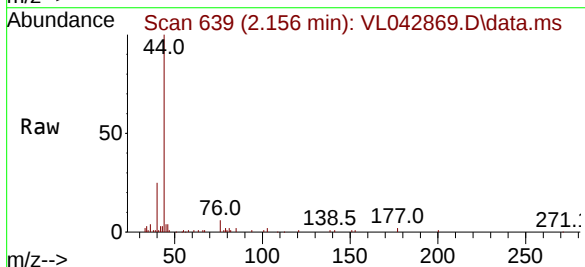
Instrument :
MSVOA_L
ClientSampleId :
IA1

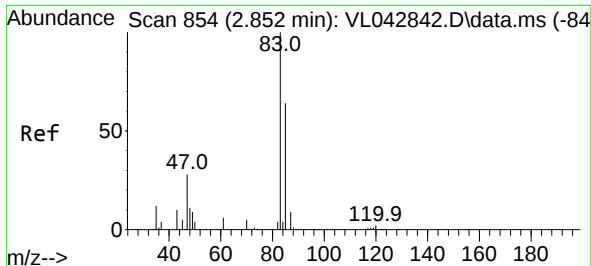
Tgt Ion: 57 Resp: 423166
Ion Ratio Lower Upper
57 100
41 84.4 68.6 103.0
43 68.5 168.5 252.7#
56 52.7 41.5 62.3



#27
Carbon Disulfide
Concen: 0.025 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.003 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 76 Resp: 473
Ion Ratio Lower Upper
76 100
44 1844.2 15.9 23.9#
78 60.9 9.5 14.3#





#29

Chloroform

Concen: 0.054 ppbv

RT: 2.858 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

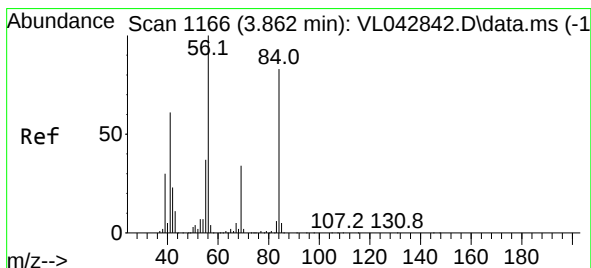
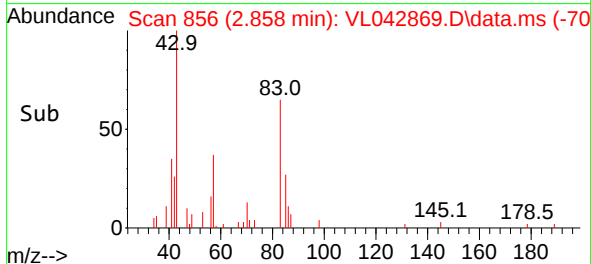
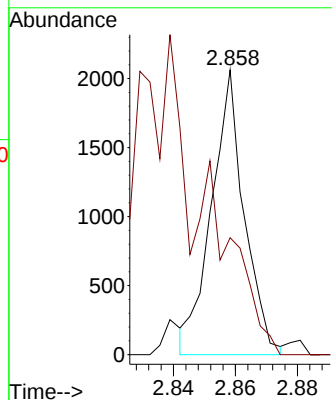
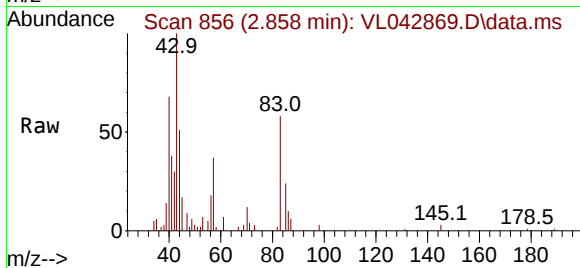
IA1

Tgt Ion: 83 Resp: 1508

Ion Ratio Lower Upper

83 100

85 42.3 51.1 76.7#



#30

Cyclohexane

Concen: 0.041 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

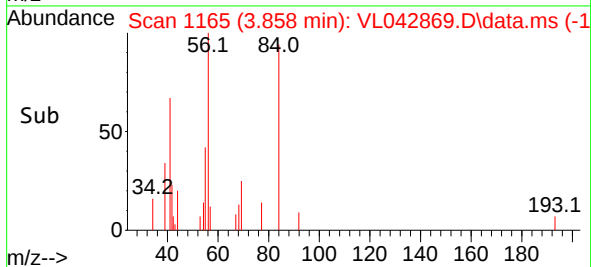
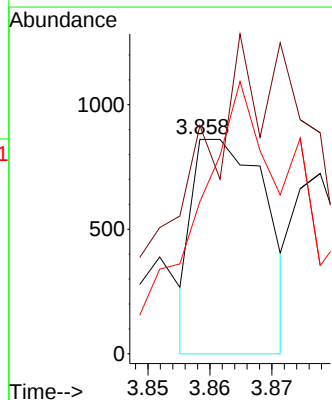
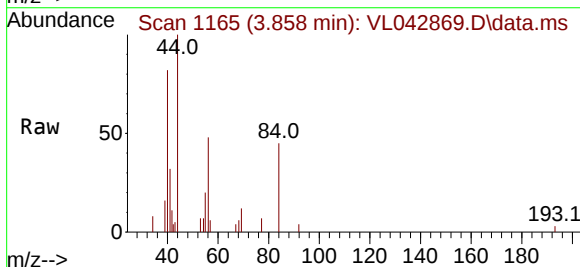
Tgt Ion: 84 Resp: 706

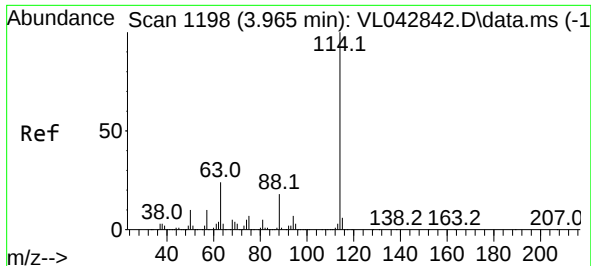
Ion Ratio Lower Upper

84 100

56 324.2 98.8 148.2#

41 267.3 61.3 91.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.003 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

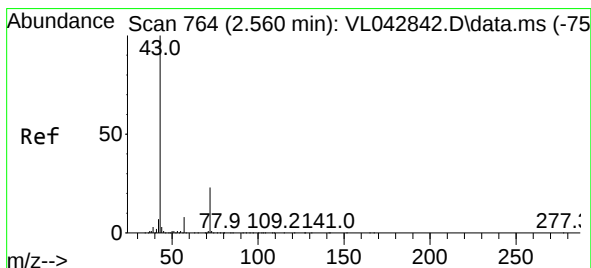
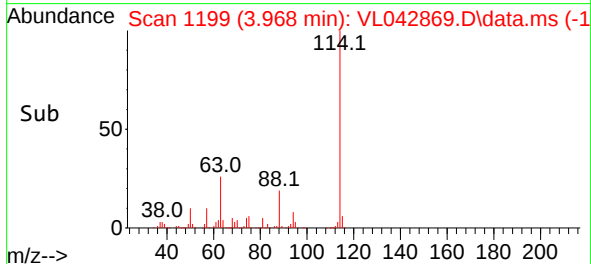
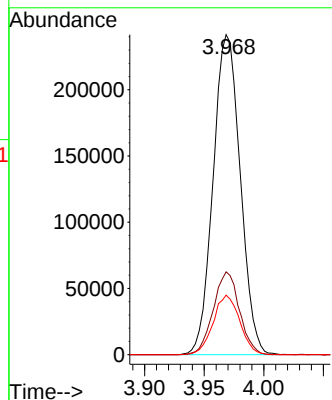
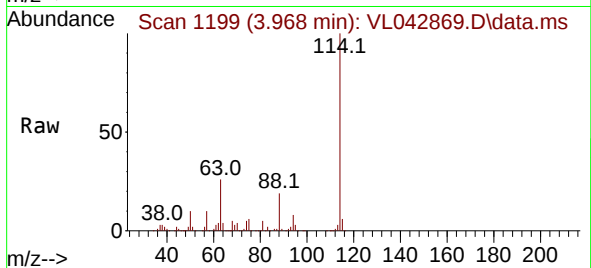
Tgt Ion:114 Resp: 382704

Ion Ratio Lower Upper

114 100

63 24.9 19.7 29.5

88 18.2 14.4 21.6



#34

2-Butanone

Concen: 0.380 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.010 min

Lab File: VL042869.D

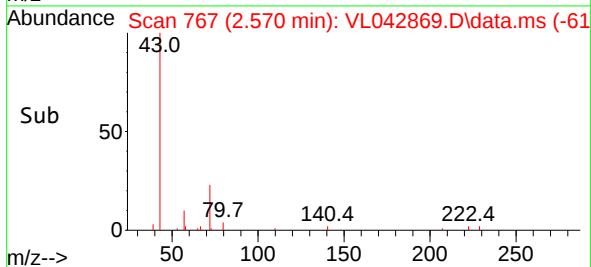
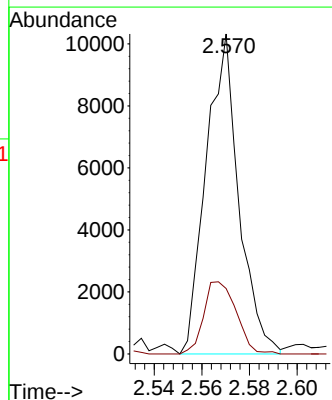
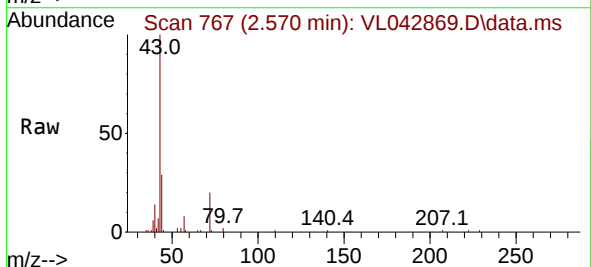
Acq: 21 Aug 2025 17:17

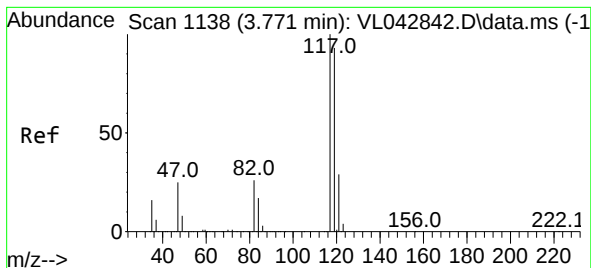
Tgt Ion: 43 Resp: 9831

Ion Ratio Lower Upper

43 100

72 22.5 18.6 28.0





#35

Carbon Tetrachloride

Concen: 0.035 ppbv

RT: 3.777 min Scan# 1138

Delta R.T. 0.006 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

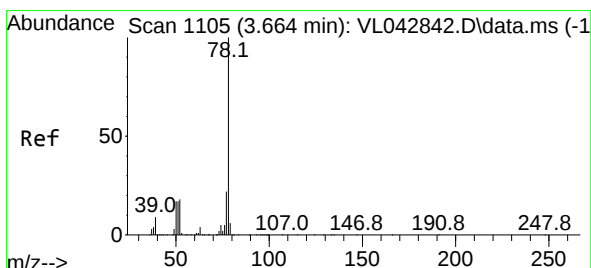
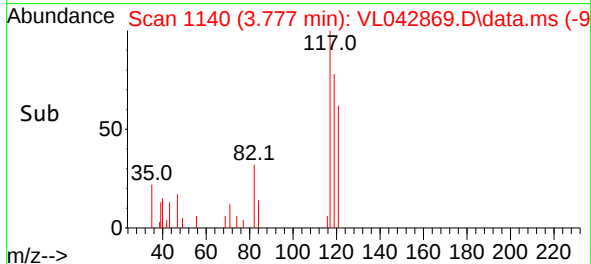
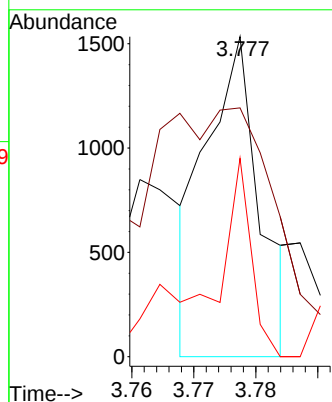
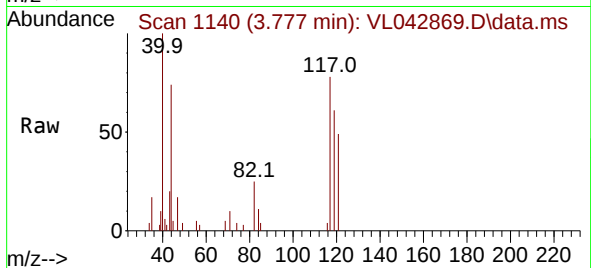
Tgt Ion:117 Resp: 924

Ion Ratio Lower Upper

117 100

119 52.2 74.7 112.1#

121 95.1 23.2 34.8#



#36

Benzene

Concen: 0.185 ppbv

RT: 3.667 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

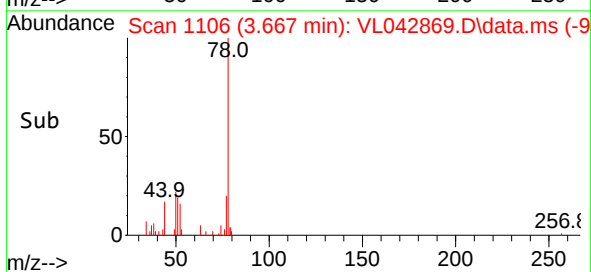
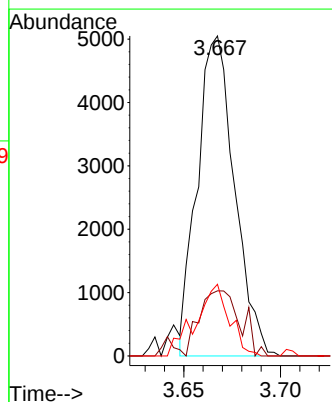
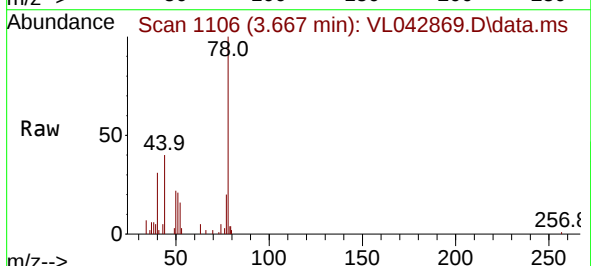
Tgt Ion: 78 Resp: 6765

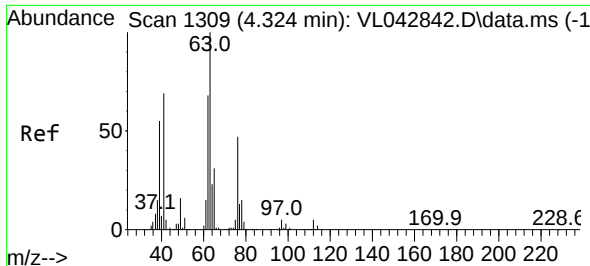
Ion Ratio Lower Upper

78 100

77 20.4 17.7 26.5

50 22.4 13.9 20.9#





#39

1,2-Dichloropropane

Concen: 7.120 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.356 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

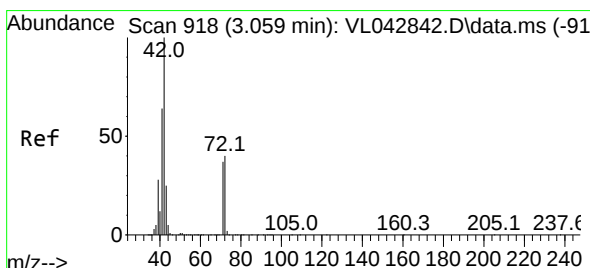
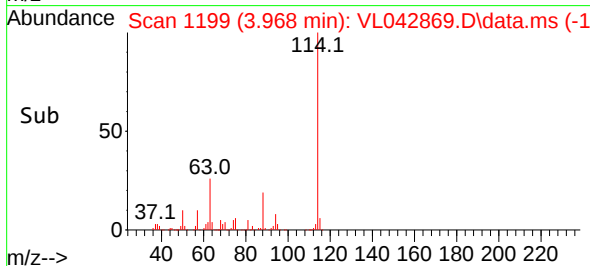
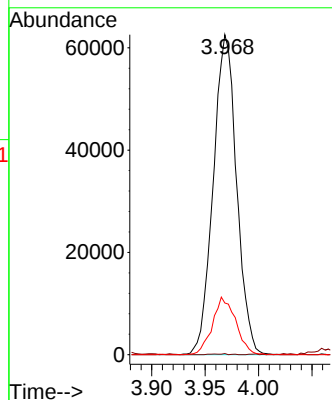
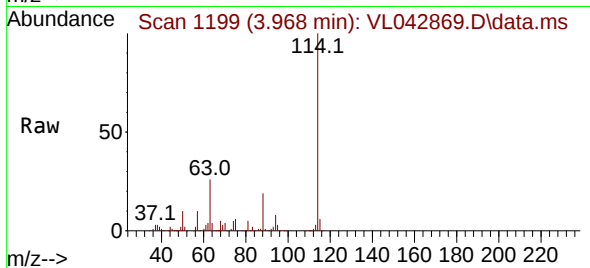
Tgt Ion: 63 Resp: 95295

Ion Ratio Lower Upper

63 100

41 0.3 55.0 82.4#

62 16.2 54.4 81.6#



#41

Tetrahydrofuran

Concen: 0.196 ppbv

RT: 3.234 min Scan# 972

Delta R.T. 0.175 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

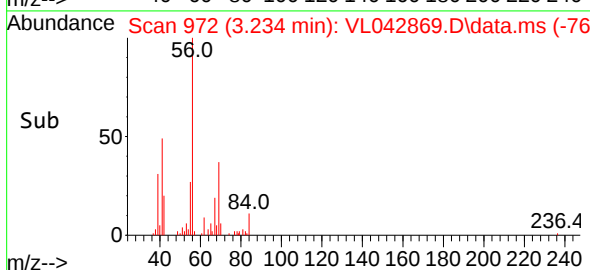
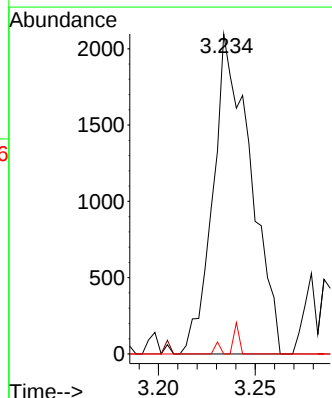
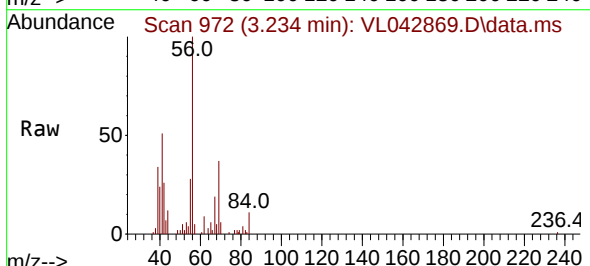
Tgt Ion: 42 Resp: 2825

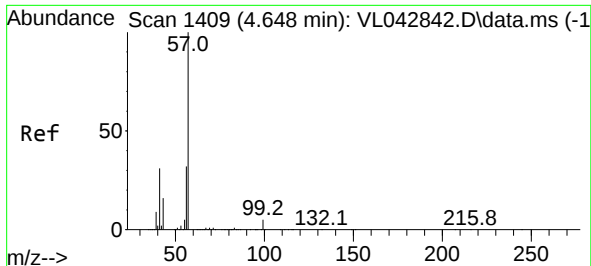
Ion Ratio Lower Upper

42 100

72 4.4 32.6 48.8#

71 0.0 30.0 45.0#





#44

2,2,4-Trimethylpentane

Concen: 0.129 ppbv

RT: 4.648 min Scan# 1409

Delta R.T. 0.000 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

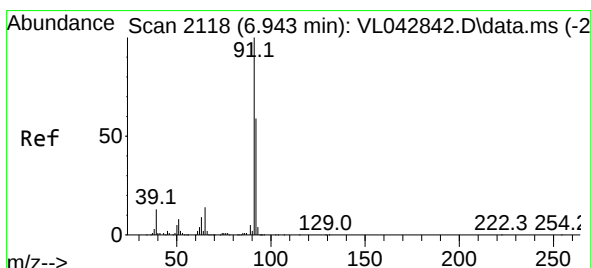
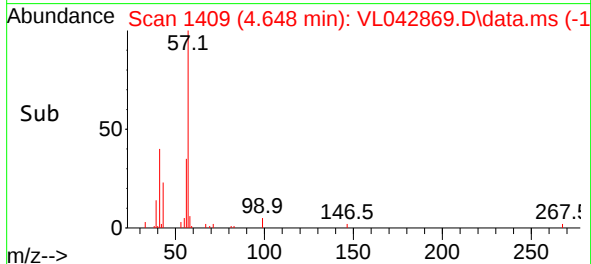
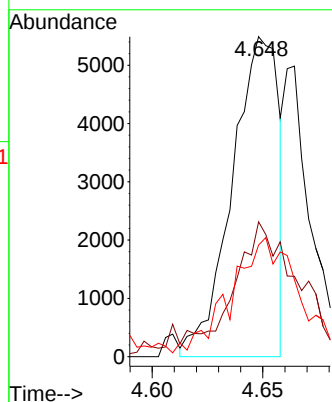
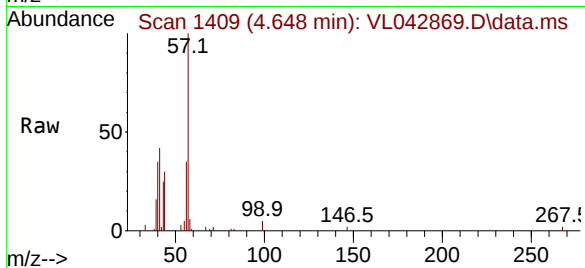
Tgt Ion: 57 Resp: 8023

Ion Ratio Lower Upper

57 100

41 64.9 24.8 37.2#

56 55.9 25.5 38.3#



#53

Toluene

Concen: 0.449 ppbv

RT: 6.946 min Scan# 2119

Delta R.T. 0.003 min

Lab File: VL042869.D

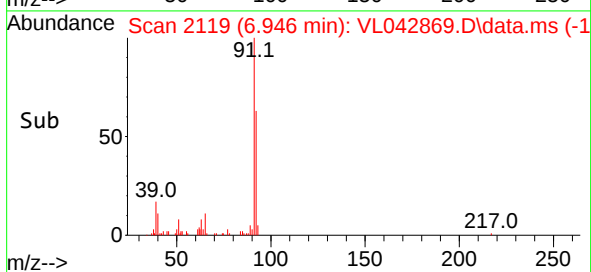
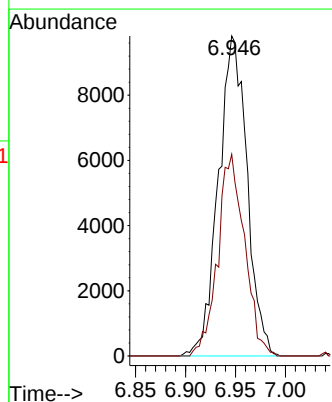
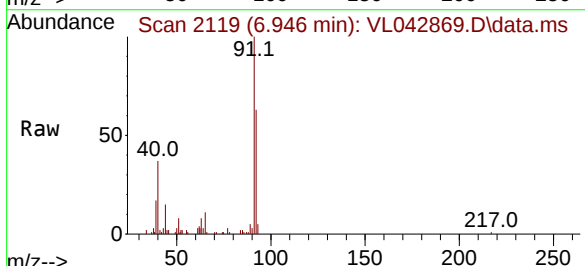
Acq: 21 Aug 2025 17:17

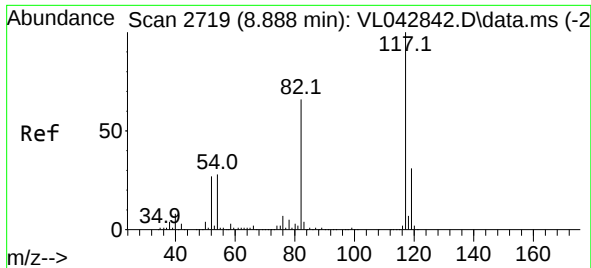
Tgt Ion: 91 Resp: 19545

Ion Ratio Lower Upper

91 100

92 59.1 47.8 71.6

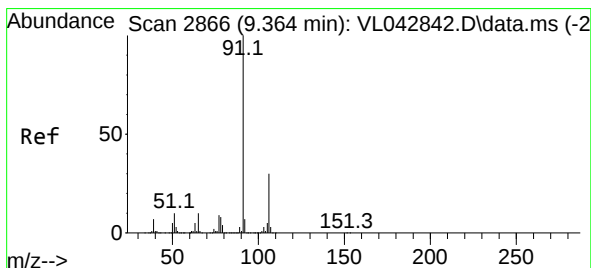
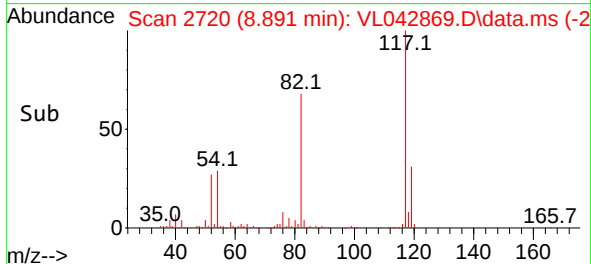
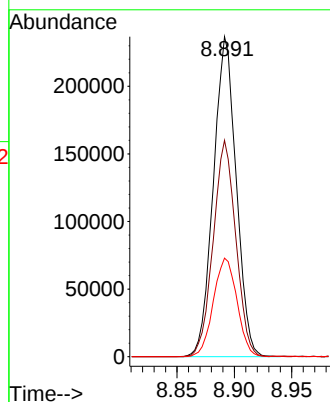
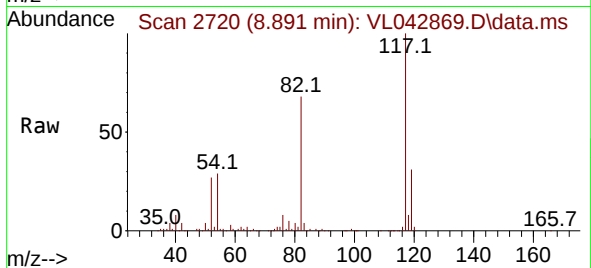




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

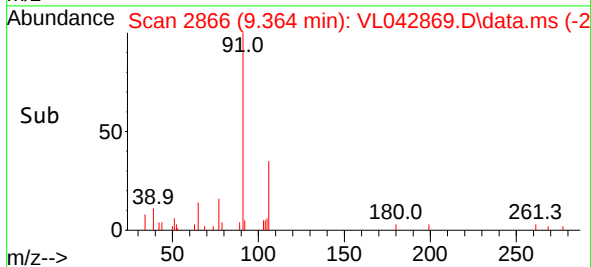
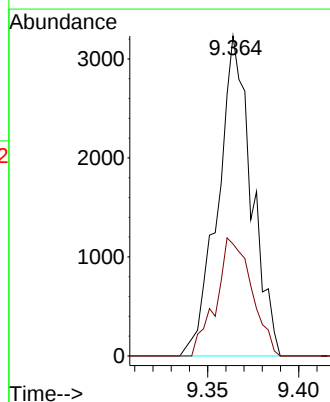
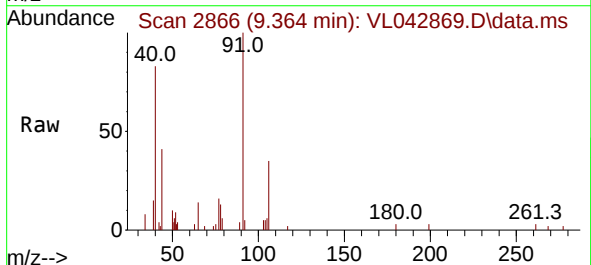
Instrument :
MSVOA_L
ClientSampleId :
IA1

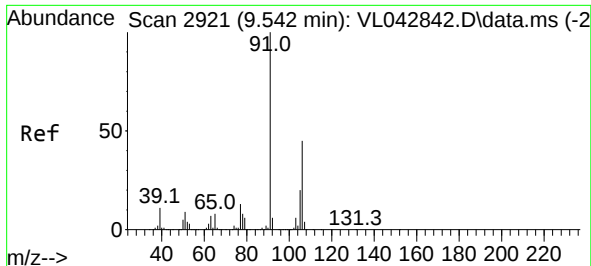
Tgt Ion:117 Resp: 327152
Ion Ratio Lower Upper
117 100
82 67.0 54.6 81.8
119 32.0 25.9 38.9



#58
Ethyl Benzene
Concen: 0.072 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 91 Resp: 4154
Ion Ratio Lower Upper
91 100
106 35.0 23.9 35.9





#59

m/p-Xylene

Concen: 0.138 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. 0.000 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

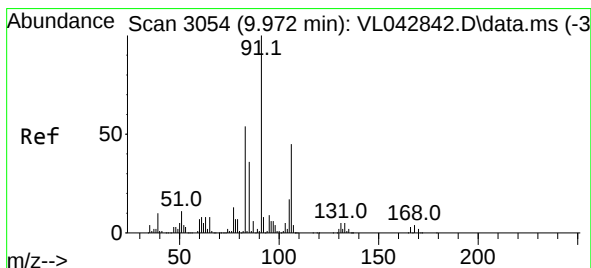
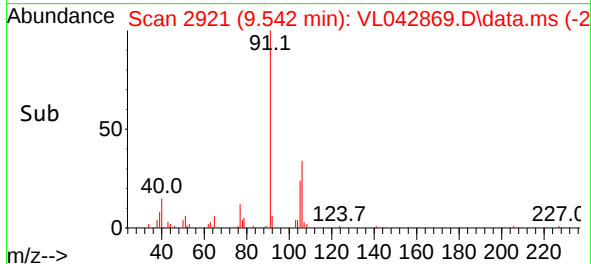
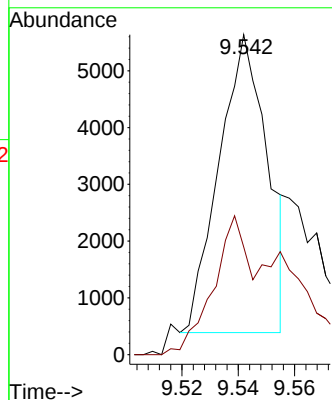
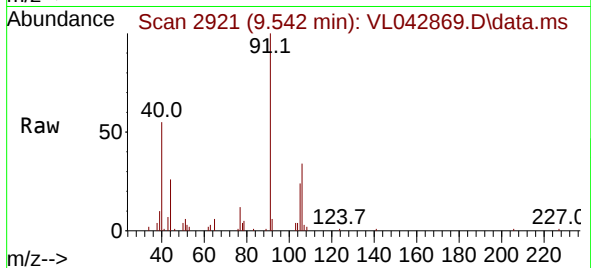
IA1

Tgt Ion: 91 Resp: 6252

Ion Ratio Lower Upper

91 100

106 68.5 0.0 0.0#



#60

o-Xylene

Concen: 0.046 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. 0.007 min

Lab File: VL042869.D

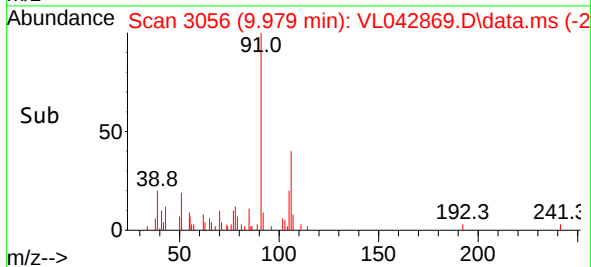
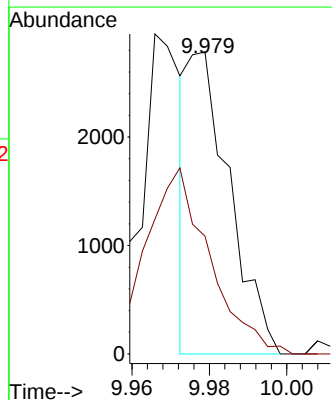
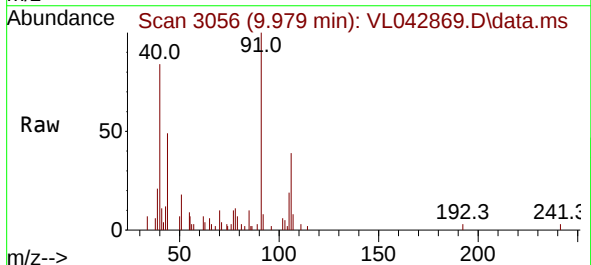
Acq: 21 Aug 2025 17:17

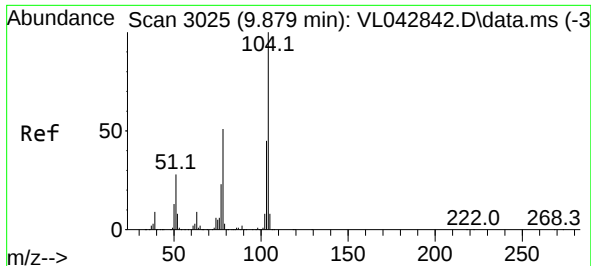
Tgt Ion: 91 Resp: 2073

Ion Ratio Lower Upper

91 100

106 0.0 21.8 65.4#

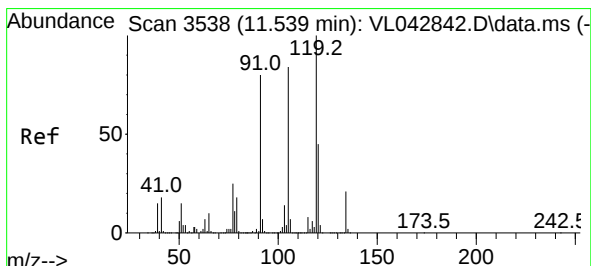
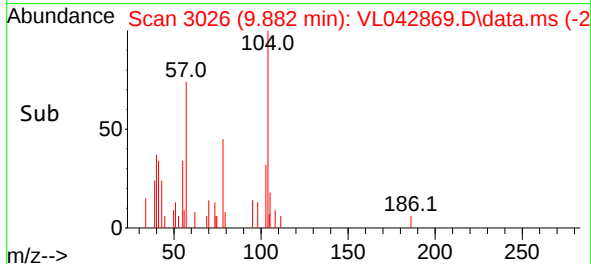
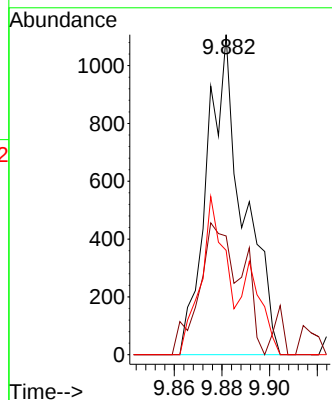
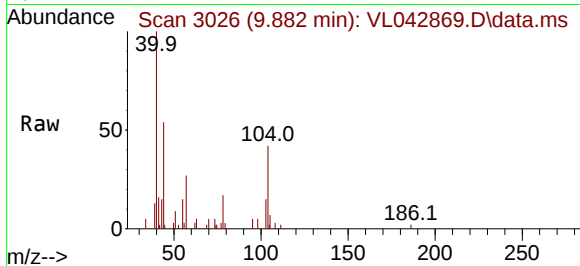




#61
Styrene
Concen: 0.055 ppbv
RT: 9.882 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

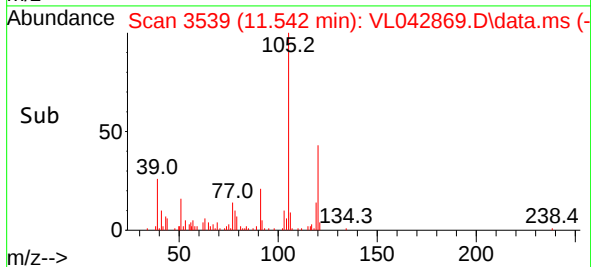
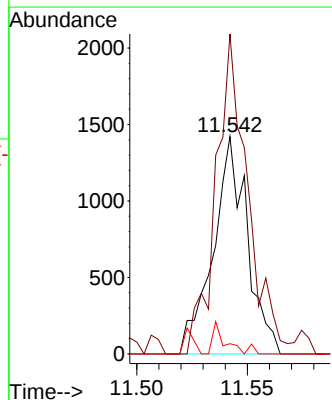
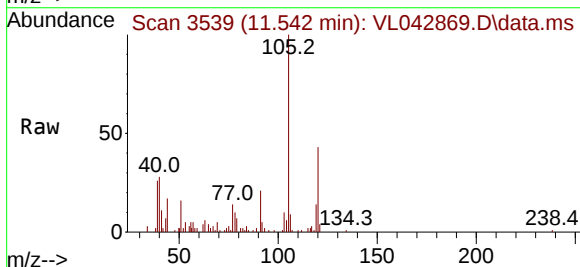
Instrument :
MSVOA_L
ClientSampleId :
IA1

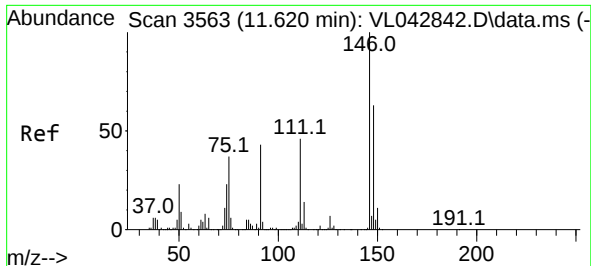
Tgt Ion:104 Resp: 1173
Ion Ratio Lower Upper
104 100
78 51.5 40.6 61.0
103 49.4 37.7 56.5



#65
tert-Butylbenzene
Concen: 0.026 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion:119 Resp: 1523
Ion Ratio Lower Upper
119 100
91 147.9 63.9 95.9#
134 9.0 17.0 25.4#

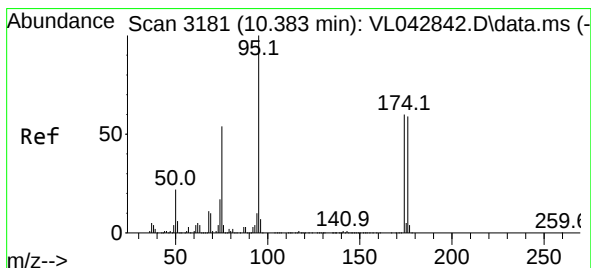
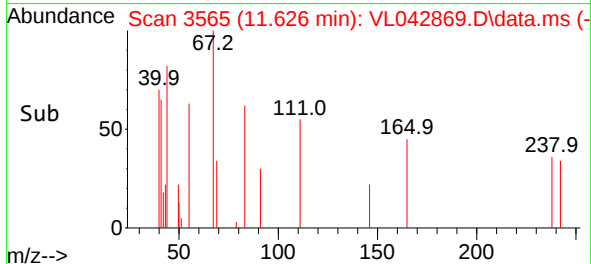
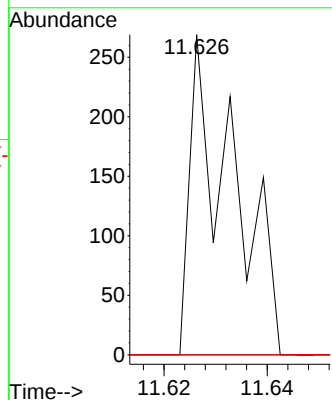
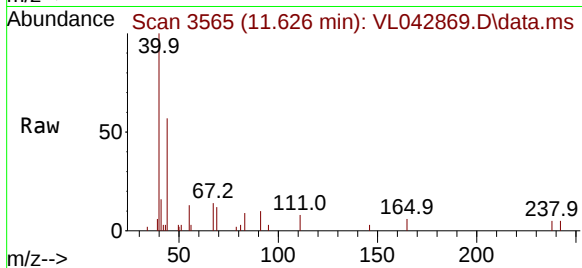




#66
Benzyl Chloride
Concen: 0.021 ppbv
RT: 11.626 min Scan# 311
Delta R.T. 0.006 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

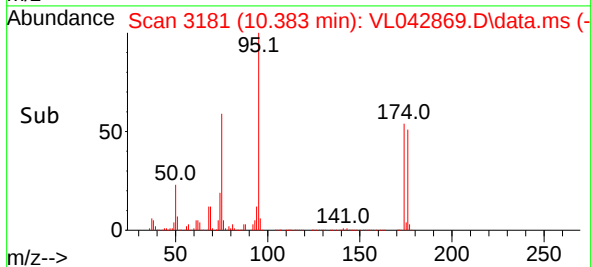
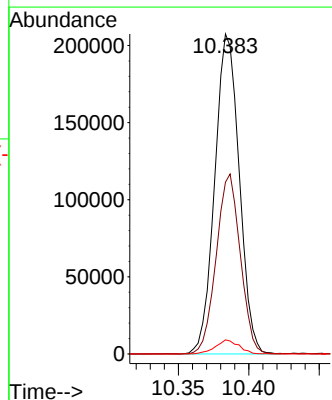
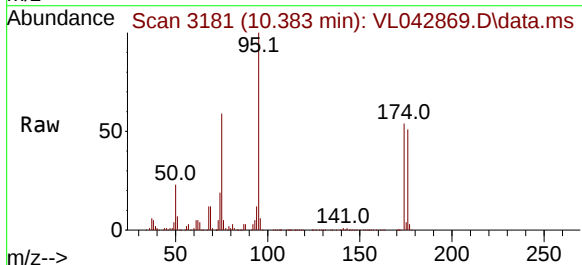
Instrument :
MSVOA_L
ClientSampleId :
IA1

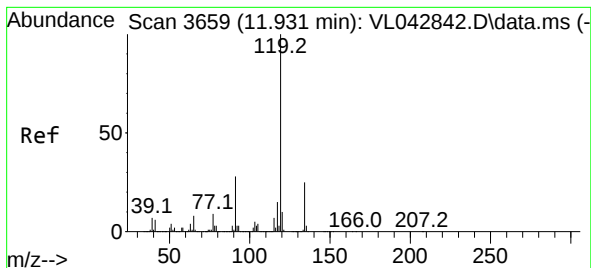
Tgt Ion: 91 Resp: 154
Ion Ratio Lower Upper
91 100
126 0.0 14.2 21.4#
128 0.0 5.0 7.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.236 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 95 Resp: 251136
Ion Ratio Lower Upper
95 100
174 55.5 48.4 72.6
175 4.2 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.022 ppbv

RT: 11.931 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

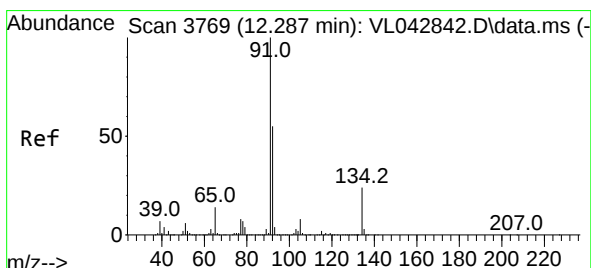
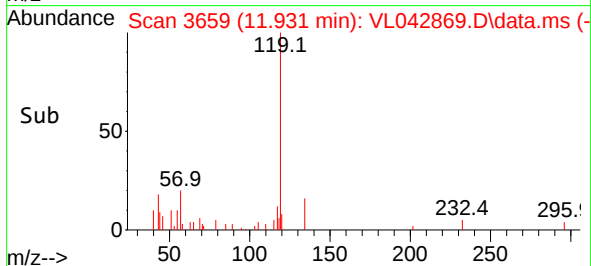
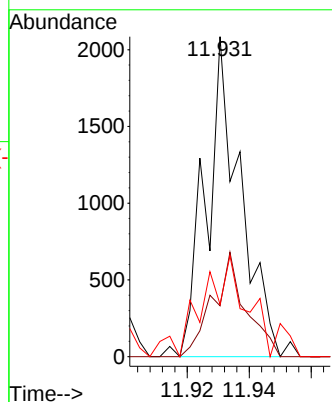
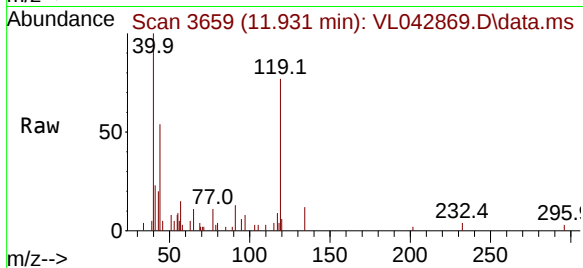
Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:	119	Resp:	1582
Ion	Ratio	Lower	Upper
119	100		
134	31.5	20.6	30.8#
91	44.2	22.6	34.0#



#70

n-Butylbenzene

Concen: 0.024 ppbv

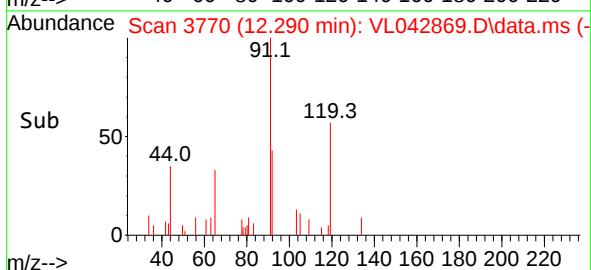
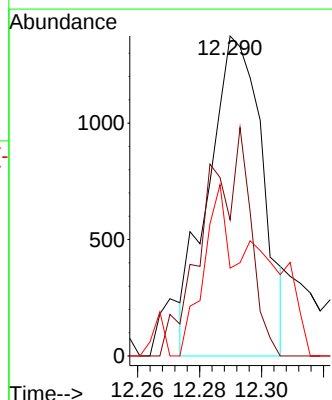
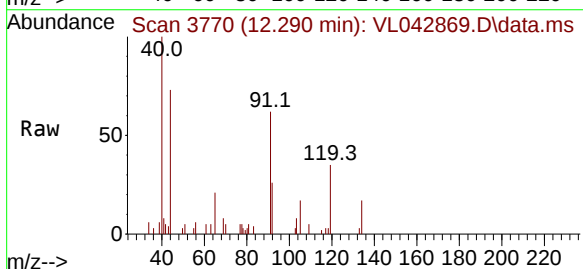
RT: 12.290 min Scan# 3770

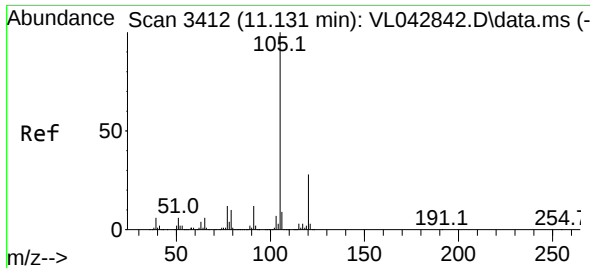
Delta R.T. 0.003 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

Tgt Ion:	91	Resp:	1660
Ion	Ratio	Lower	Upper
91	100		
92	60.1	44.6	66.8
134	59.3	19.0	28.4#

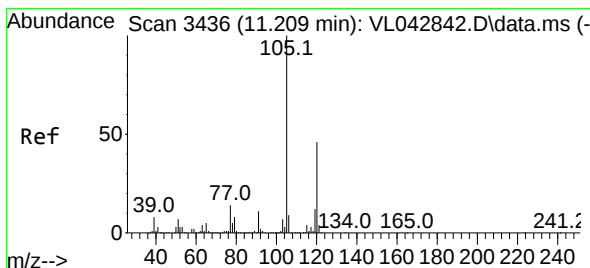
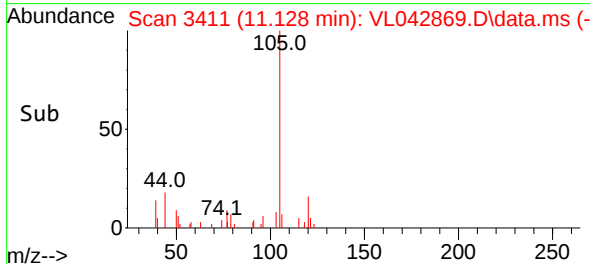
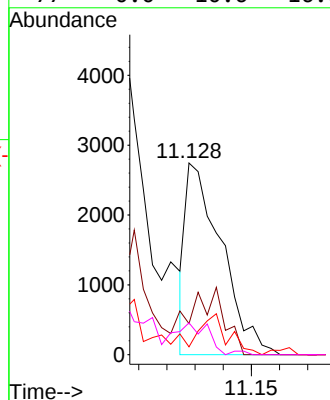
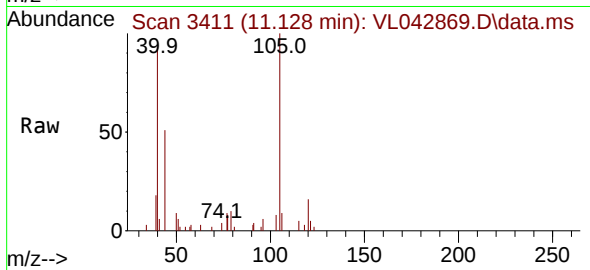




#72
4-Ethyltoluene
Concen: 0.044 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

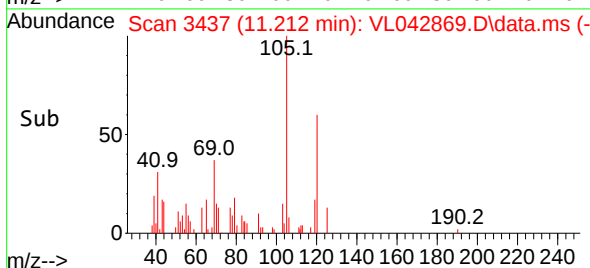
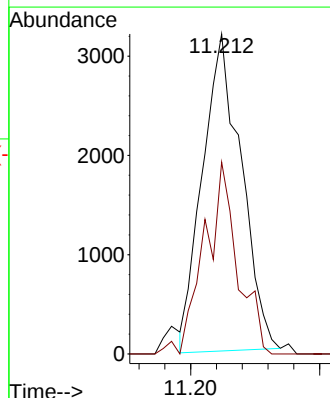
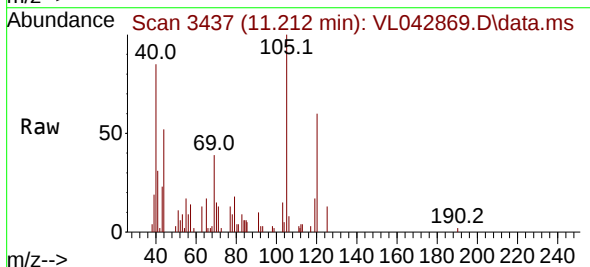
Instrument :
MSVOA_L
ClientSampleId :
IA1

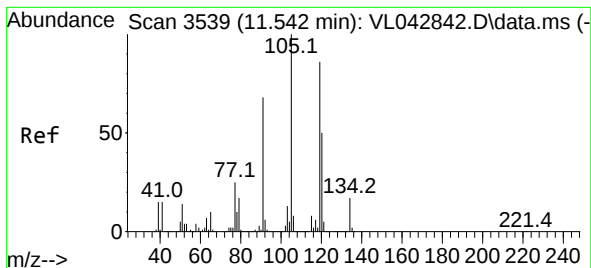
Tgt Ion:	105	Resp:	2419
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.2#
91	21.5	9.8	14.6#
77	0.0	10.6	16.0#



#73
1,3,5-Trimethylbenzene
Concen: 0.071 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.003 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion:	105	Resp:	3326
Ion	Ratio	Lower	Upper
105	100		
120	61.0	36.6	54.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.201 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:105 Resp: 10340

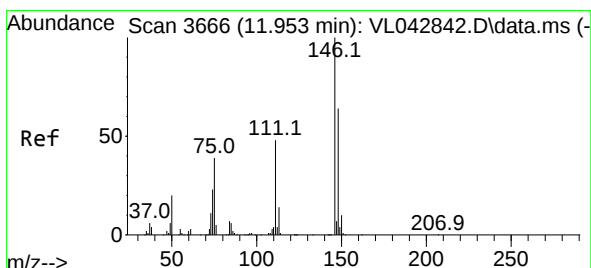
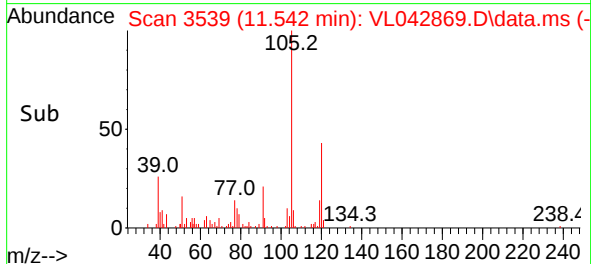
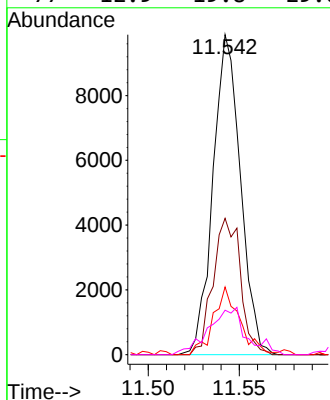
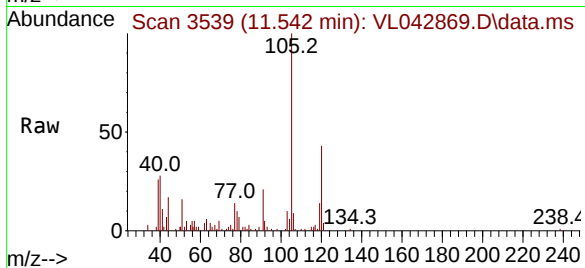
Ion Ratio Lower Upper

105 100

120 42.6 39.8 59.6

91 25.7 54.2 81.4#

77 12.9 19.8 29.6#



#77

1,2-Dichlorobenzene

Concen: 0.029 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.000 min

Lab File: VL042869.D

Acq: 21 Aug 2025 17:17

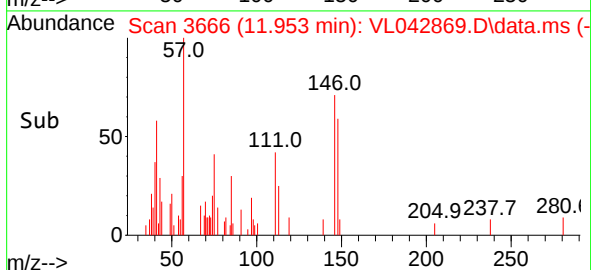
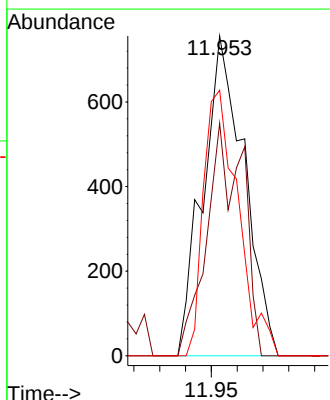
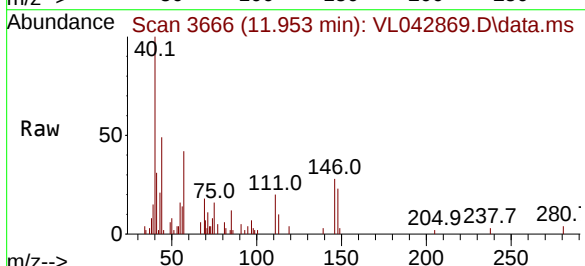
Tgt Ion:146 Resp: 836

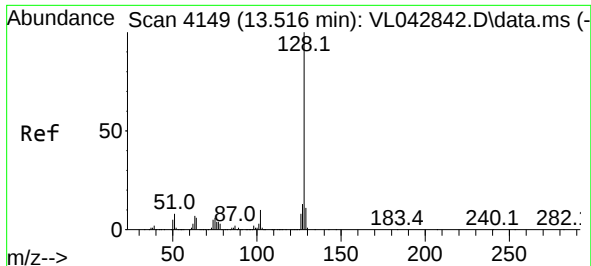
Ion Ratio Lower Upper

146 100

111 76.4 24.6 74.0#

148 69.9 32.0 96.0

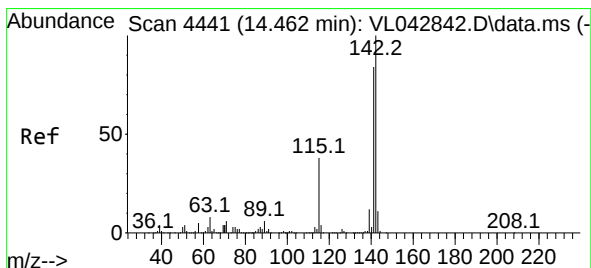
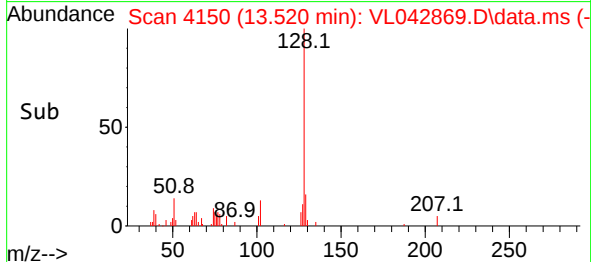
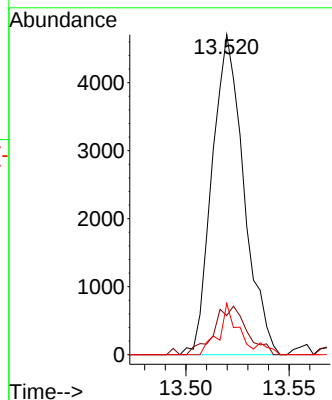
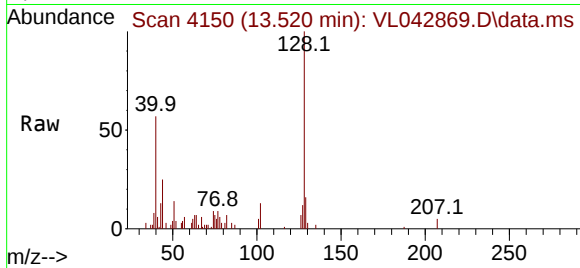




#79
Naphthalene
Concen: 0.108 ppbv
RT: 13.520 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

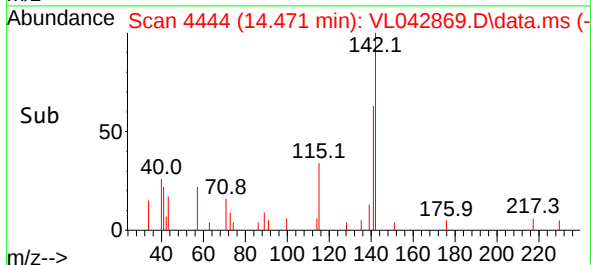
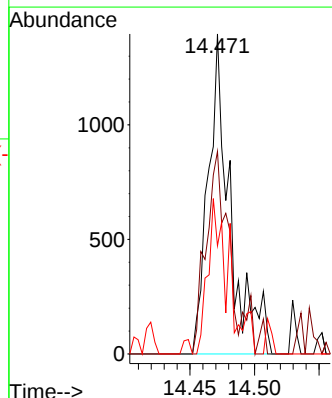
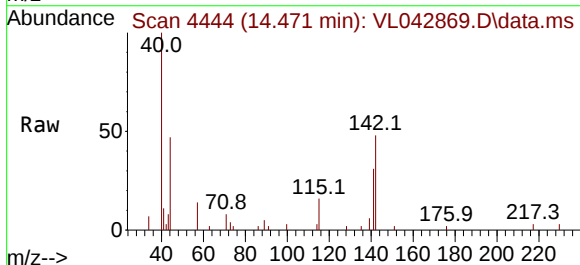
Instrument :
MSVOA_L
ClientSampleId :
IA1

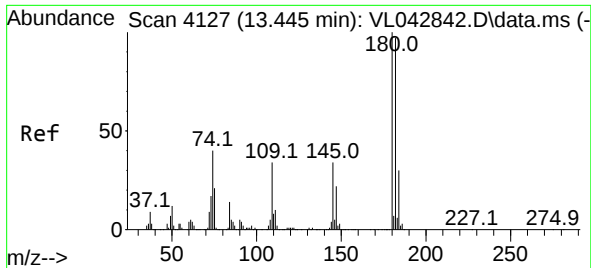
Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	16.0
129	16.0	8.9	13.3#



#80
Naphthalene, 2-methyl-
Concen: 0.095 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.010 min
Lab File: VL042869.D
Acq: 21 Aug 2025 17:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	70.1	67.0	100.6
115	47.3	30.9	46.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.053 ppbv

RT: 13.452 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042869.D

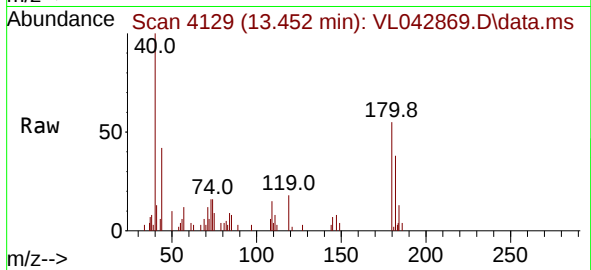
Acq: 21 Aug 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion:	180	Resp:	1250
Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.9	115.3
184	31.8	24.5	36.7

