

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
 Data File : VL042711.D
 Acq On : 08 Jul 2025 12:47
 Operator : SY/MD
 Sample : Q2518-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Jul 09 01:28:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:50:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	119983	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	292507	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	280925	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.383	95	216619	10.025	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	1125	0.090	ppbv	95
3) Chlorodifluoromethane	1.476	51	3328	0.177	ppbv	99
4) Chloromethane	1.534	50	178	0.036	ppbv #	44
8) Dichlorotetrafluoroethane	1.499	85	1125	0.108	ppbv #	18
9) Propene	1.486	41	7385	1.051	ppbv #	78
10) Heptane	4.994	43	3245	0.170	ppbv #	30
13) Ethanol	1.441	45	88560	130.587	ppbv #	37
15) Acetone	1.839	43	31116	2.615	ppbv #	81
16) 1,3-Butadiene	1.606	39	5329	0.972	ppbv #	26
17) tert-Butyl alcohol	2.049	59	548	0.047	ppbv #	78
19) Isopropyl Alcohol	1.441	45	88560	12.948	ppbv #	97
20) Methylene Chloride	2.065	84	2878	0.632	ppbv	96
21) Allyl Chloride	2.046	41	256	0.031	ppbv #	6
23) Vinyl Acetate	2.483	43	1456	0.076	ppbv #	65
25) Ethyl Acetate	2.832	43	24025	0.667	ppbv #	78
26) Hexane	2.832	57	30854	2.054	ppbv #	39
27) Carbon Disulfide	2.156	76	8001	0.653	ppbv #	1
29) Chloroform	2.855	83	3582	0.158	ppbv	88
30) Cyclohexane	3.865	84	558	0.049	ppbv #	4
34) 2-Butanone	2.564	43	110851	4.788	ppbv	100
36) Benzene	3.664	78	1861	0.063	ppbv #	83
39) 1,2-Dichloropropane	3.965	63	73623	6.403	ppbv #	23
41) Tetrahydrofuran	3.082	42	444	0.038	ppbv #	60
43) Methyl Methacrylate	4.985	69	813	0.086	ppbv #	1
51) 2-Hexanone	7.441	43	3167	0.161	ppbv #	30
52) Tetrachloroethene	8.234	164	549	0.056	ppbv #	64
53) Toluene	6.943	91	15231	0.553	ppbv	98
57) Chlorobenzene	8.875	112	2404	0.085	ppbv #	77
58) Ethyl Benzene	9.364	91	5323	0.131	ppbv	95
59) m/p-Xylene	9.539	91	26791	0.787	ppbv	100
60) o-Xylene	9.969	91	13211	0.395	ppbv	92
62) Isopropylbenzene	10.545	105	2861	0.057	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.953	83	4091	0.159	ppbv #	26
64) n-propylbenzene	10.998	120	1662	0.128	ppbv #	45
65) tert-Butylbenzene	11.536	119	2290	0.053	ppbv #	25
67) sec-Butylbenzene	11.885	105	2454	0.037	ppbv	98
71) 2-Chlorotoluene	10.995	91	6398	0.171	ppbv	85
72) 4-Ethyltoluene	11.128	105	4431	0.108	ppbv #	49
73) 1,3,5-Trimethylbenzene	11.209	105	8367	0.243	ppbv #	86
74) 1,2,4-Trimethylbenzene	11.539	105	11639	0.296	ppbv #	66
79) Naphthalene	13.516	128	1153	0.035	ppbv #	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
Data File : VL042711.D
Acq On : 08 Jul 2025 12:47
Operator : SY/MD
Sample : Q2518-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jul 09 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 03 01:50:16 2025
Response via : Initial Calibration

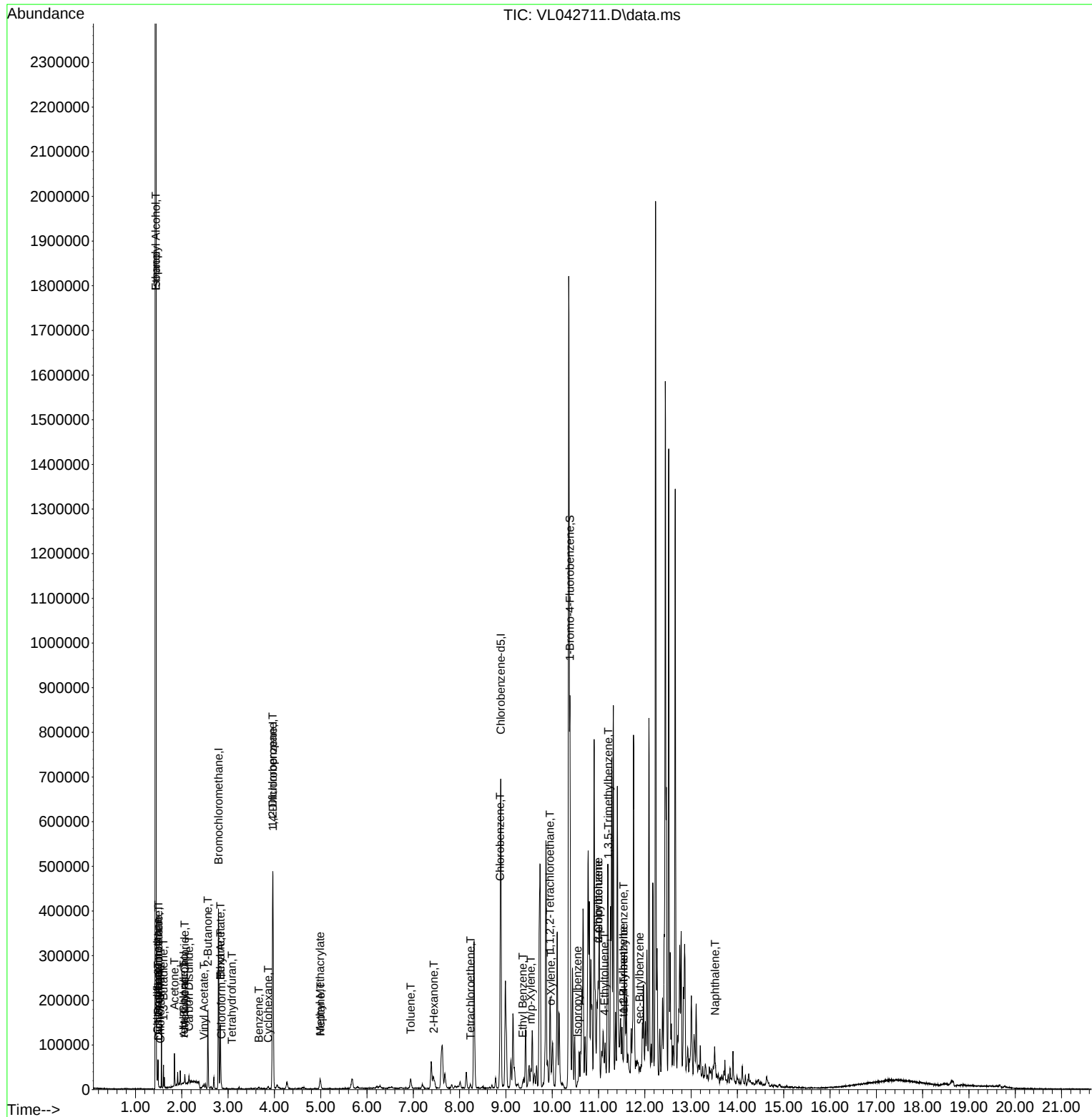
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

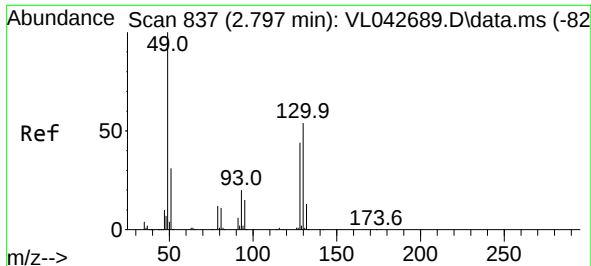
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
Data File : VL042711.D
Acq On : 08 Jul 2025 12:47
Operator : SY/MD
Sample : Q2518-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jul 09 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 03 01:50:16 2025
Response via : Initial Calibration

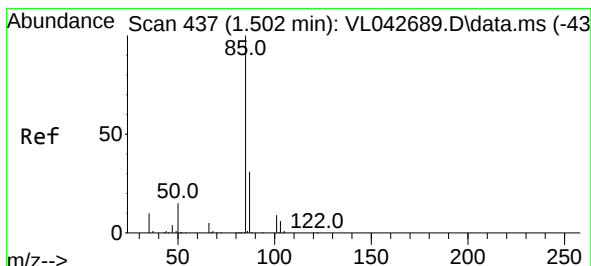
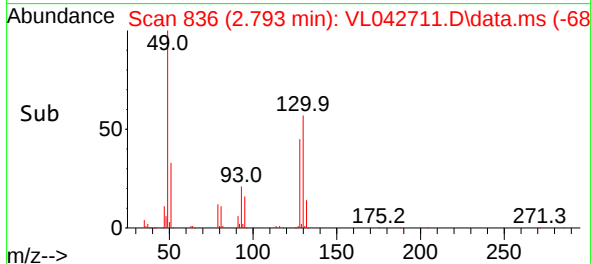
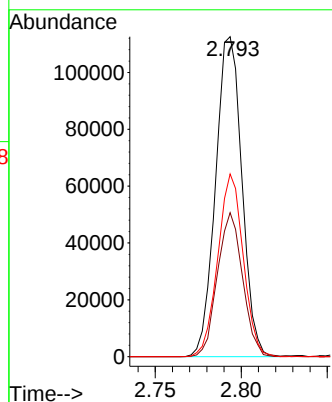
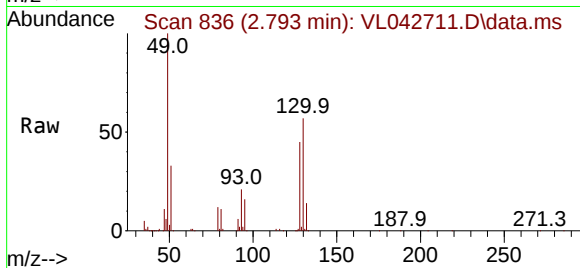




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

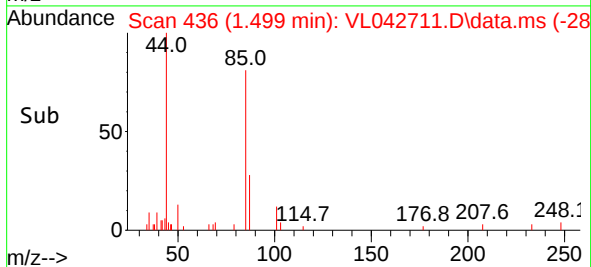
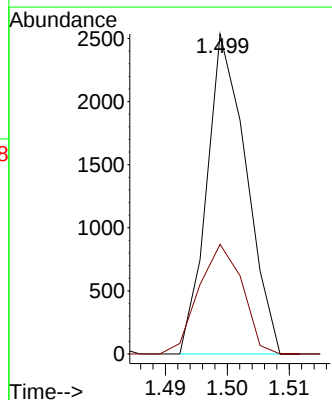
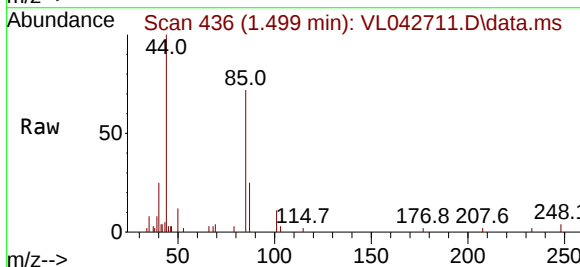
Instrument :
MSVOA_L
ClientSampleId :
SV1

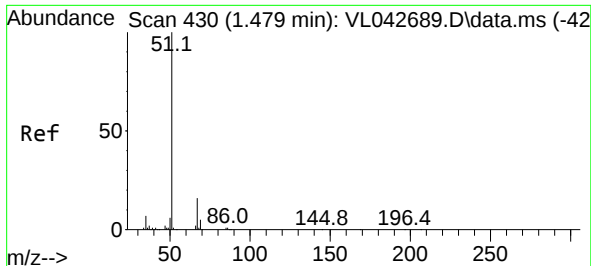
Tgt Ion: 49 Resp: 119983
Ion Ratio Lower Upper
49 100
128 42.9 21.4 64.2
130 55.1 28.0 84.0



#2
Dichlorodifluoromethane
Concen: 0.090 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion: 85 Resp: 1125
Ion Ratio Lower Upper
85 100
87 34.3 25.1 37.7

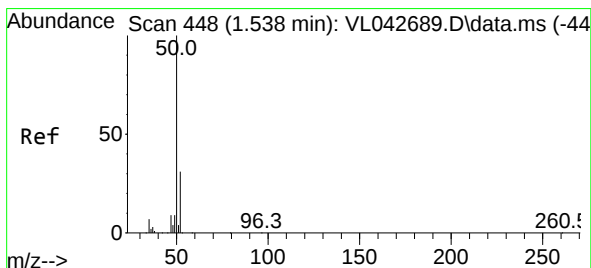
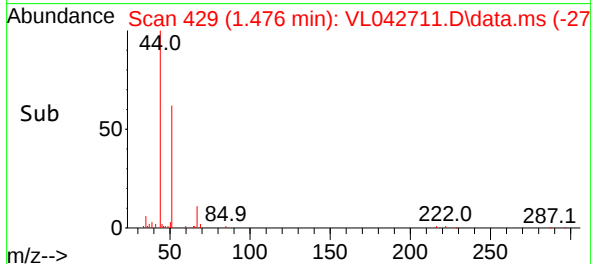
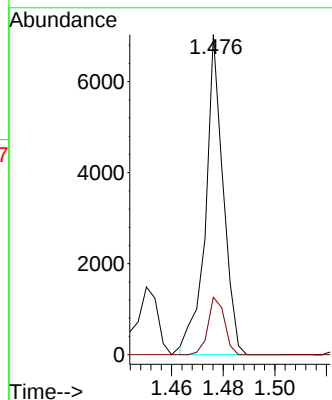
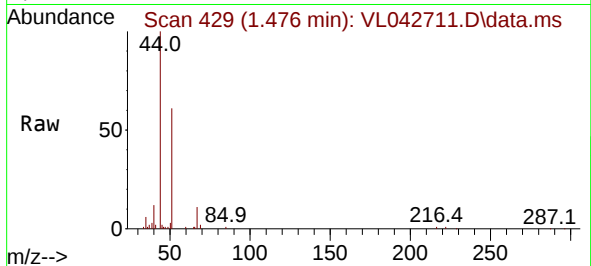




#3
Chlorodifluoromethane
Concen: 0.177 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

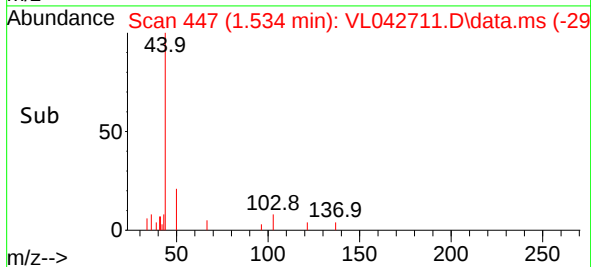
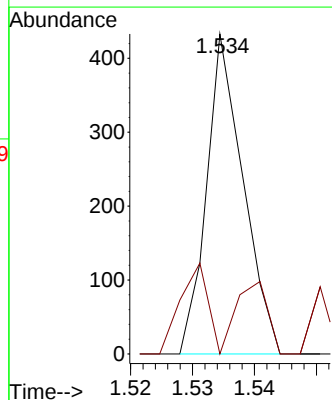
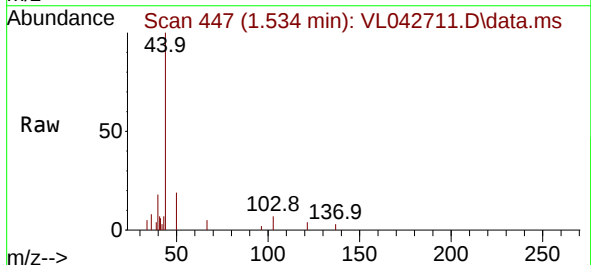
Instrument :
MSVOA_L
ClientSampleId :
SV1

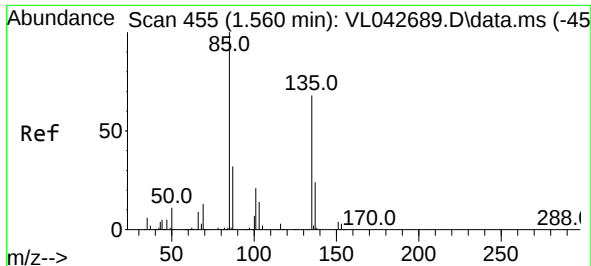
Tgt Ion: 51 Resp: 3328
Ion Ratio Lower Upper
51 100
67 16.7 13.1 19.7



#4
Chloromethane
Concen: 0.036 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion: 50 Resp: 178
Ion Ratio Lower Upper
50 100
52 0.0 24.8 37.2#

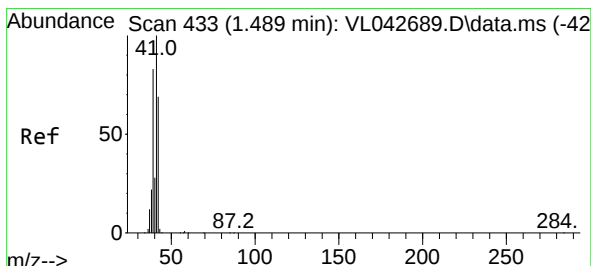
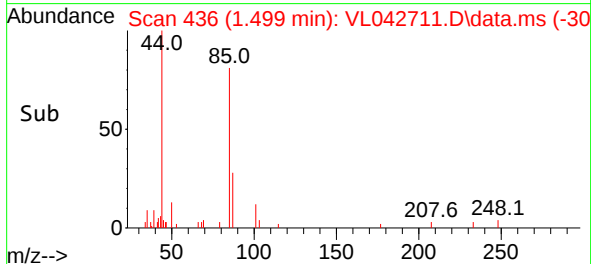
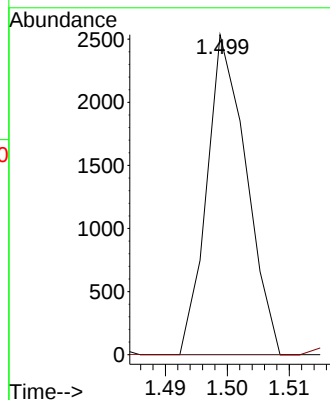
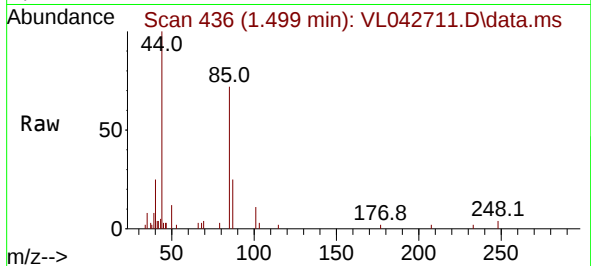




#8
 Dichlorotetrafluoroethane
 Concen: 0.108 ppbv
 RT: 1.499 min Scan# 411
 Delta R.T. -0.062 min
 Lab File: VL042711.D
 Acq: 08 Jul 2025 12:47

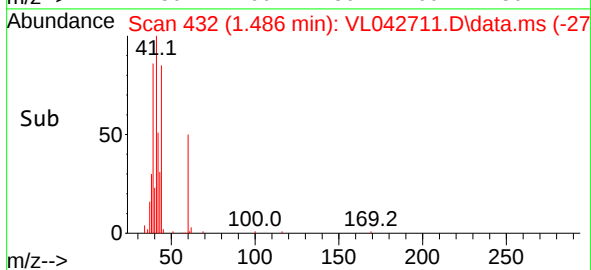
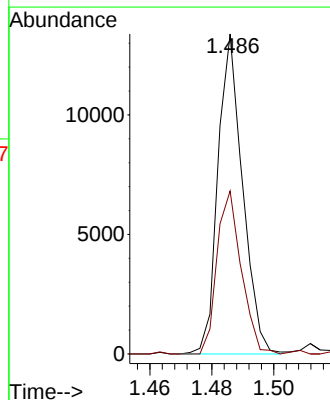
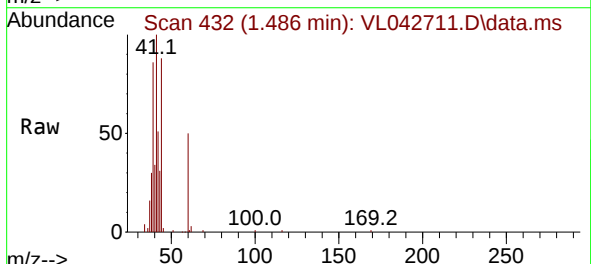
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

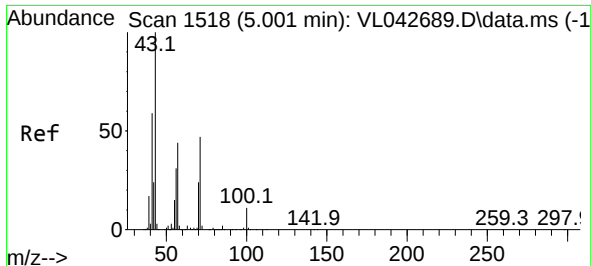
Tgt Ion: 85 Resp: 1125
 Ion Ratio Lower Upper
 85 100
 135 0.9 52.6 79.0#



#9
 Propene
 Concen: 1.051 ppbv
 RT: 1.486 min Scan# 432
 Delta R.T. -0.003 min
 Lab File: VL042711.D
 Acq: 08 Jul 2025 12:47

Tgt Ion: 41 Resp: 7385
 Ion Ratio Lower Upper
 41 100
 42 51.9 55.6 83.4#

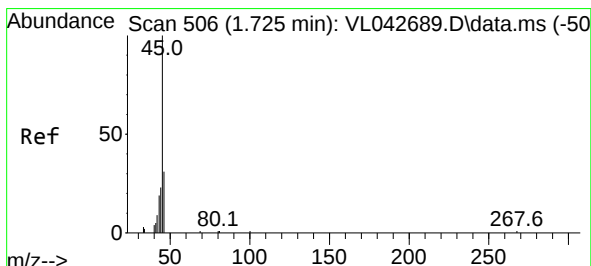
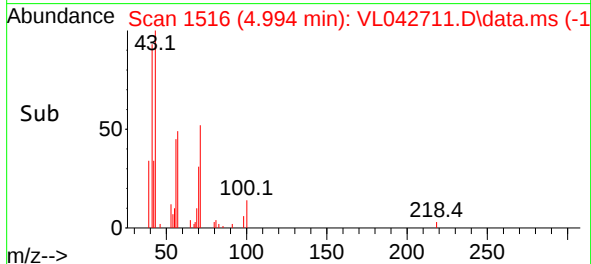
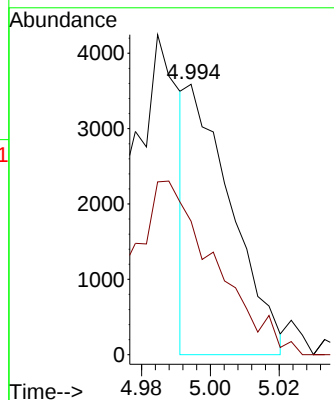
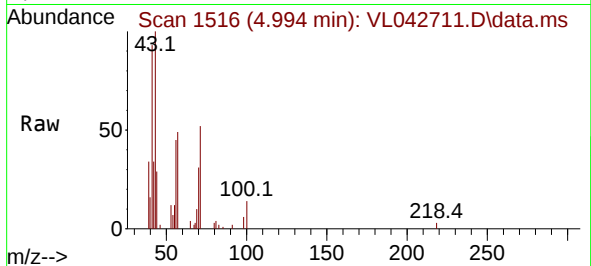




#10
Heptane
Concen: 0.170 ppbv
RT: 4.994 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

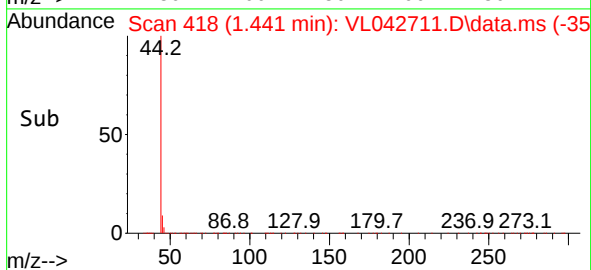
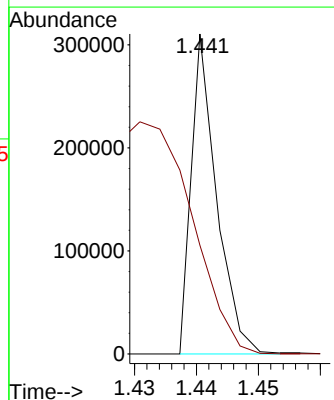
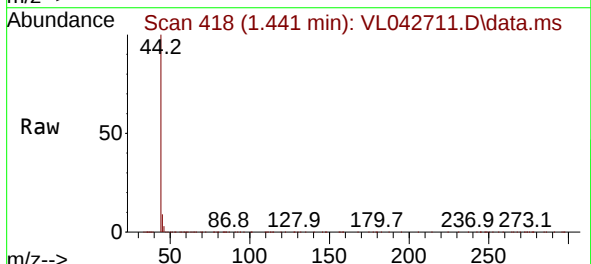
Instrument :
MSVOA_L
ClientSampleId :
SV1

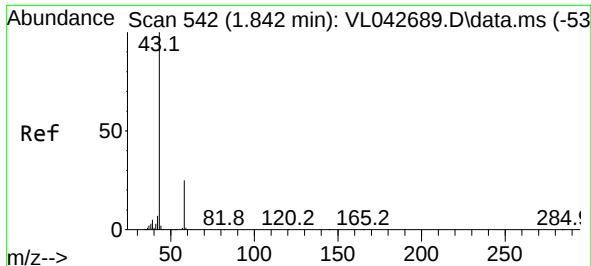
Tgt Ion: 43 Resp: 3245
Ion Ratio Lower Upper
43 100
57 0.0 37.4 56.0#



#13
Ethanol
Concen: 130.587 ppbv
RT: 1.441 min Scan# 418
Delta R.T. -0.285 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion: 45 Resp: 88560
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8#

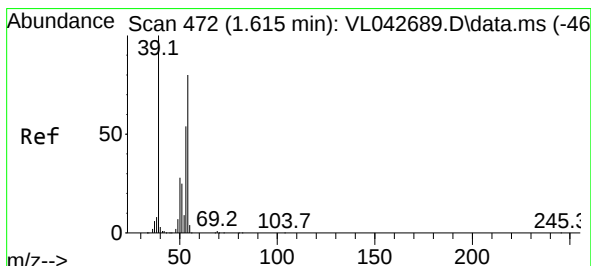
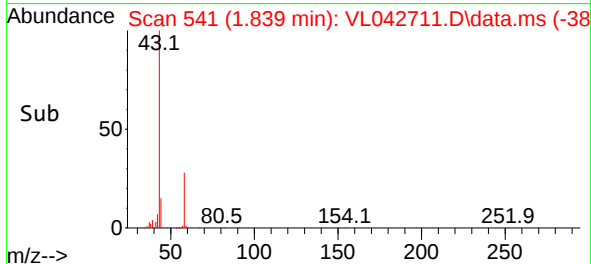
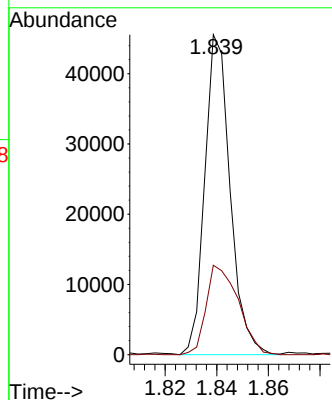
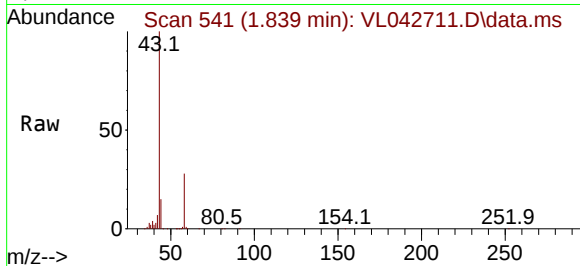




#15
Acetone
Concen: 2.615 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

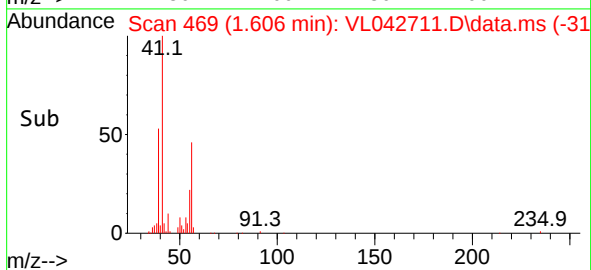
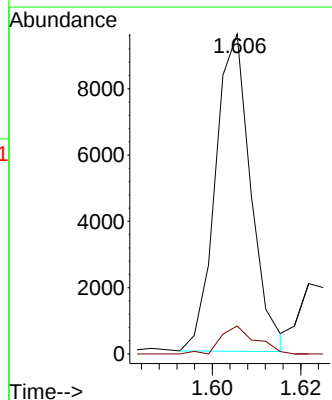
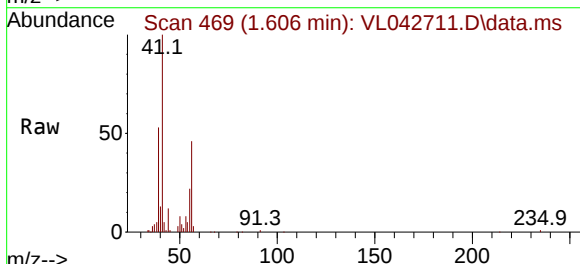
Instrument :
MSVOA_L
ClientSampleId :
SV1

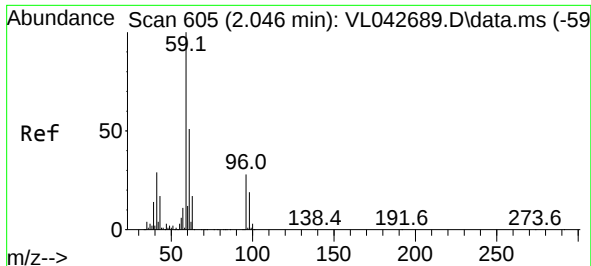
Tgt Ion: 43 Resp: 31116
Ion Ratio Lower Upper
43 100
58 35.4 20.6 31.0#



#16
1,3-Butadiene
Concen: 0.972 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.010 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion: 39 Resp: 5329
Ion Ratio Lower Upper
39 100
54 8.7 54.9 82.3#





#17

tert-Butyl alcohol

Concen: 0.047 ppbv

RT: 2.049 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

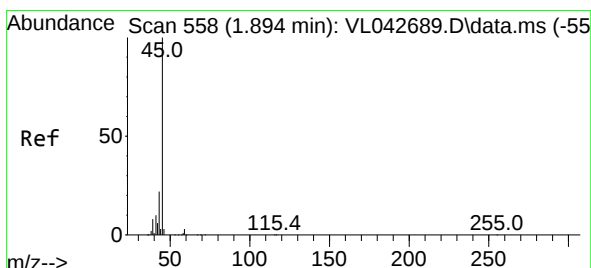
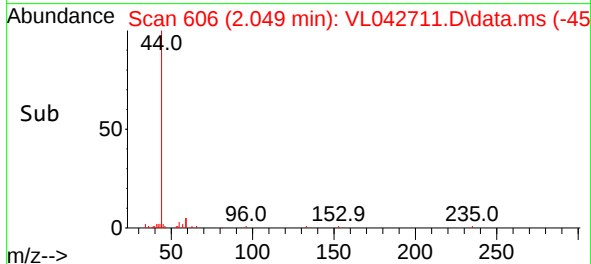
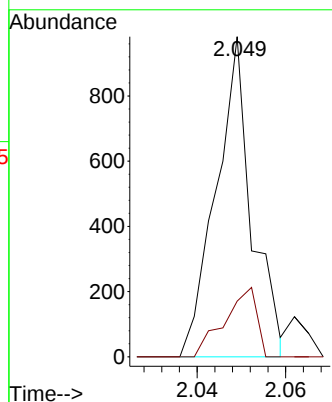
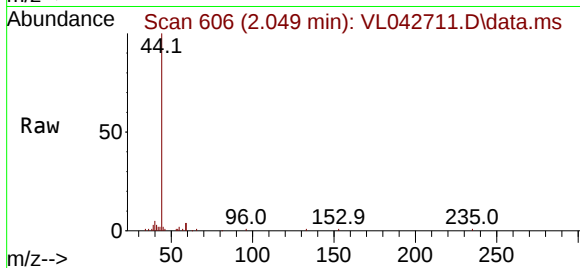
SV1

Tgt Ion: 59 Resp: 548

Ion Ratio Lower Upper

59 100

57 19.5 8.8 13.2#



#19

Isopropyl Alcohol

Concen: 12.948 ppbv

RT: 1.441 min Scan# 418

Delta R.T. -0.453 min

Lab File: VL042711.D

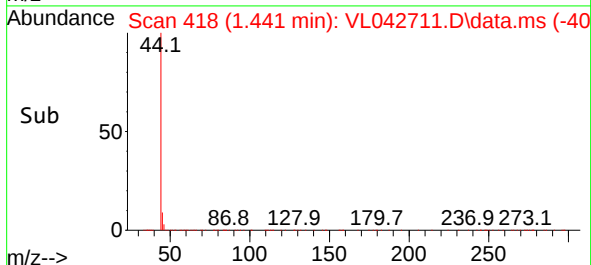
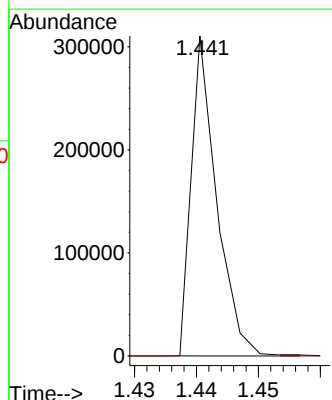
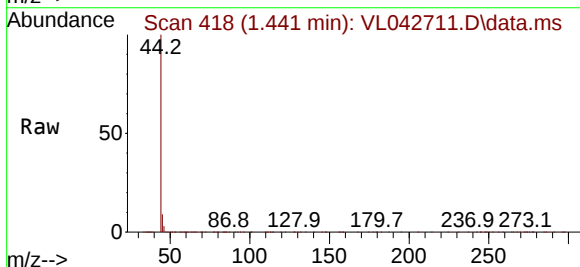
Acq: 08 Jul 2025 12:47

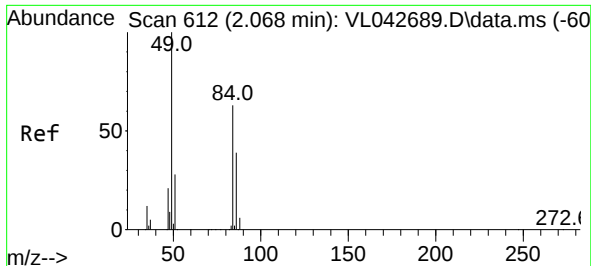
Tgt Ion: 45 Resp: 88560

Ion Ratio Lower Upper

45 100

58 0.8 1.4 2.2#

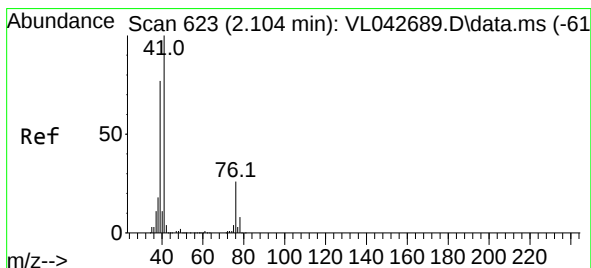
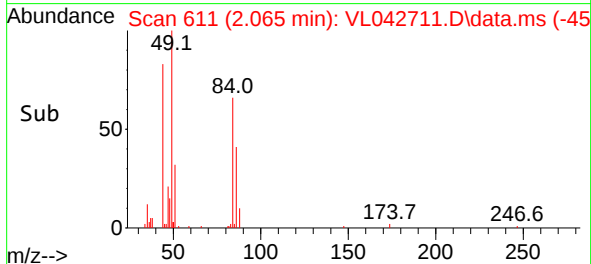
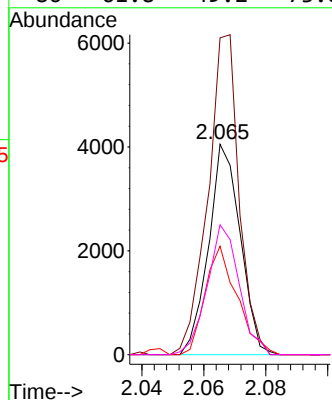
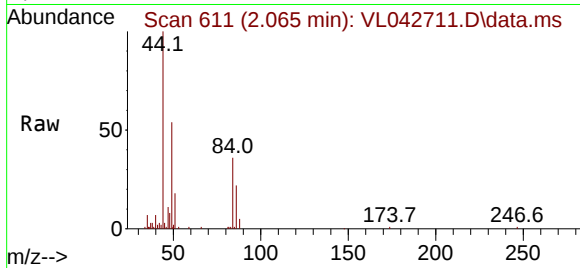




#20
Methylene Chloride
Concen: 0.632 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

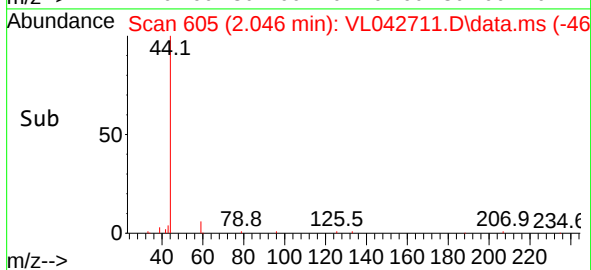
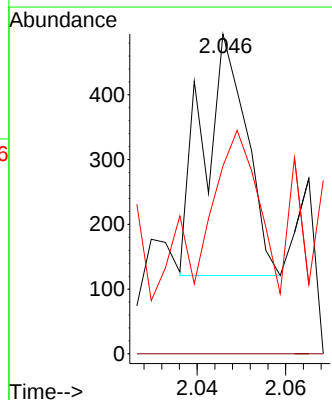
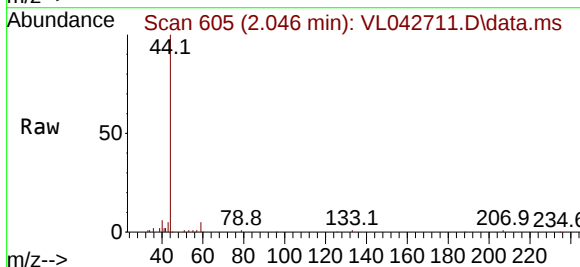
Instrument :
MSVOA_L
ClientSampleId :
SV1

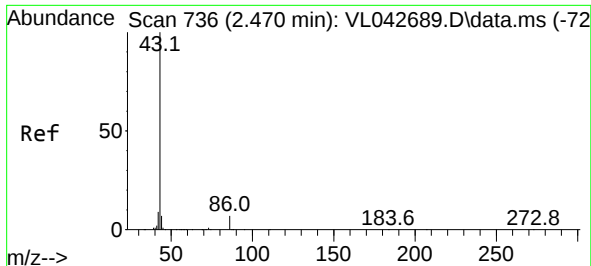
Tgt Ion:	84	Resp:	2878
Ion	Ratio	Lower	Upper
84	100		
49	154.7	128.6	193.0
51	51.5	37.4	56.2
86	61.8	49.2	73.8



#21
Allyl Chloride
Concen: 0.031 ppbv
RT: 2.046 min Scan# 605
Delta R.T. -0.058 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion:	41	Resp:	256
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.7	32.5#
39	173.8	63.4	95.2#



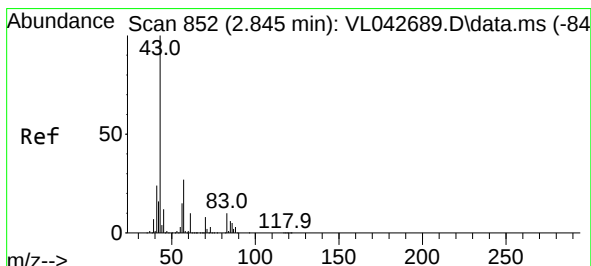
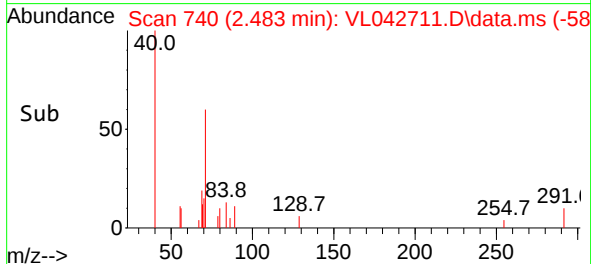
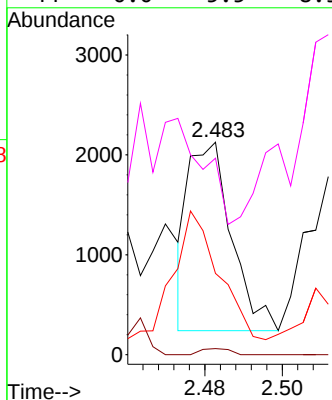
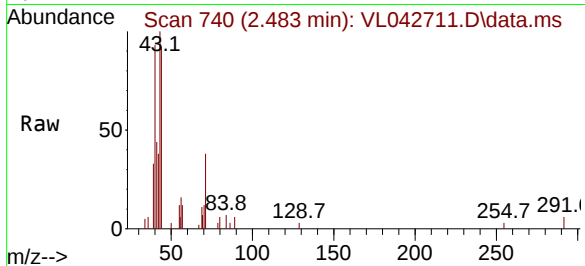


#23
Vinyl Acetate
Concen: 0.076 ppbv
RT: 2.483 min Scan# 741
Delta R.T. 0.013 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 1456

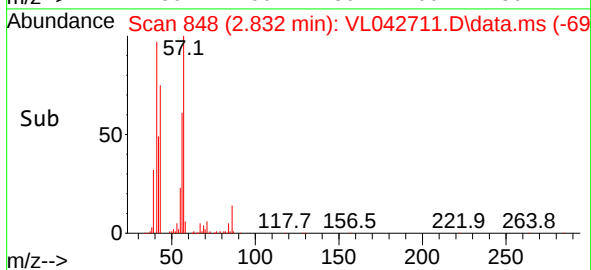
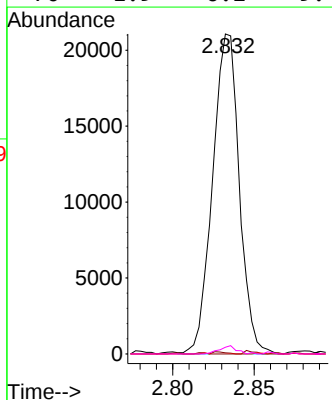
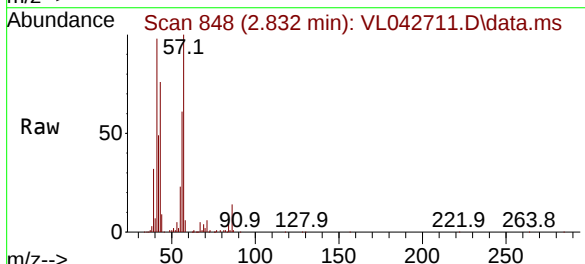
Ion	Ratio	Lower	Upper
43	100		
86	3.2	5.8	8.6#
42	32.3	7.2	10.8#
44	0.0	5.5	8.3#

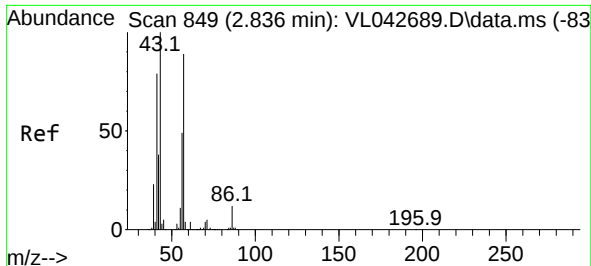


#25
Ethyl Acetate
Concen: 0.667 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.013 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion: 43 Resp: 24025

Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.1	12.1#
61	0.1	7.0	10.6#
70	1.9	6.2	9.4#

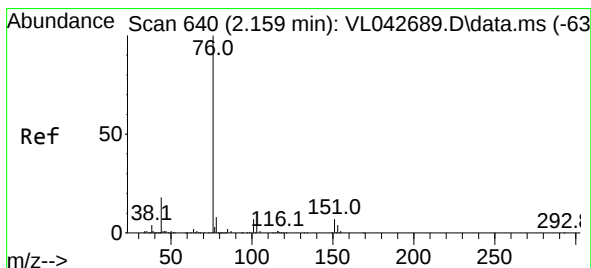
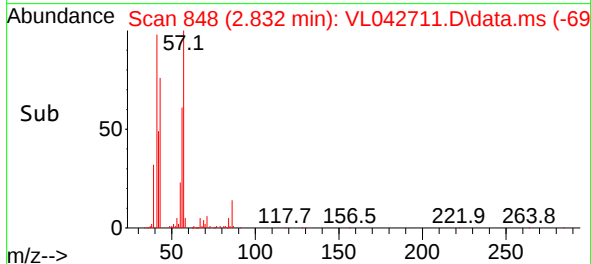
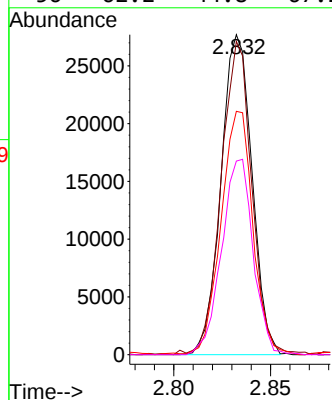
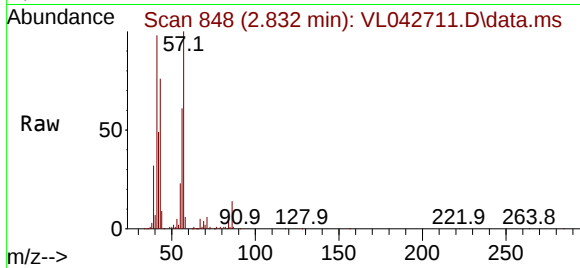




#26
Hexane
Concen: 2.054 ppbv
RT: 2.832 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

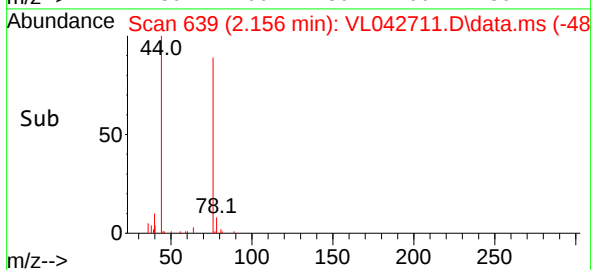
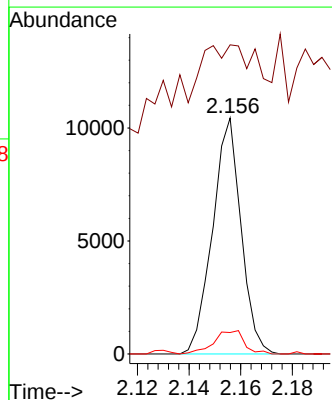
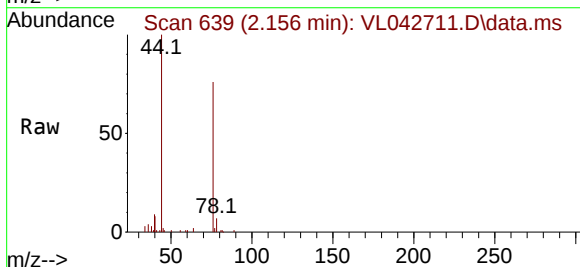
Instrument :
MSVOA_L
ClientSampleId :
SV1

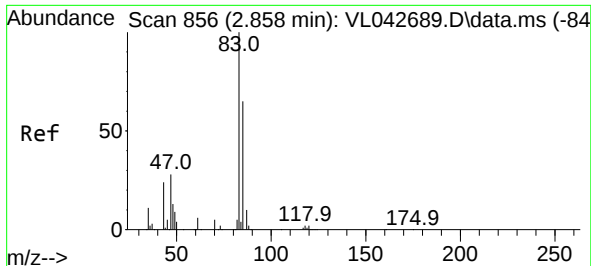
Tgt Ion:	57	Resp:	30854
Ion	Ratio	Lower	Upper
57	100		
41	97.6	73.7	110.5
43	78.1	190.6	285.8#
56	62.2	44.8	67.2



#27
Carbon Disulfide
Concen: 0.653 ppbv
RT: 2.156 min Scan# 639
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion:	76	Resp:	8001
Ion	Ratio	Lower	Upper
76	100		
44	730.6	15.6	23.4#
78	11.8	9.2	13.8





#29

Chloroform

Concen: 0.158 ppbv

RT: 2.855 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

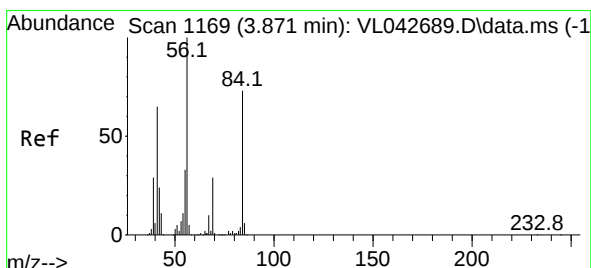
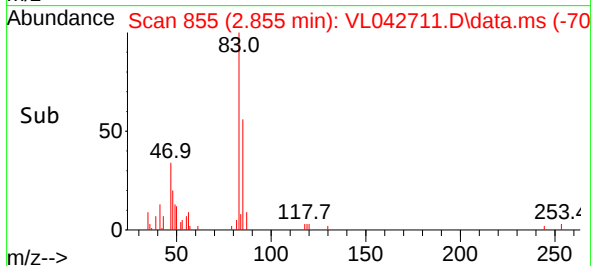
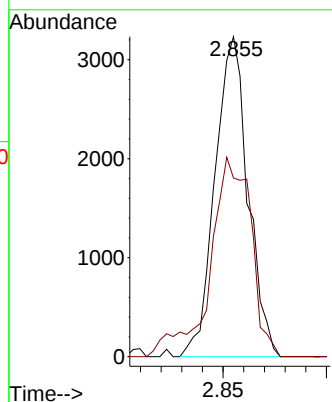
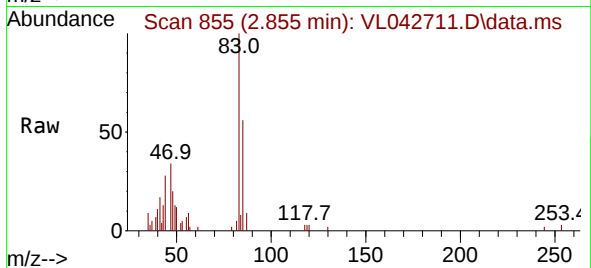
SV1

Tgt Ion: 83 Resp: 3582

Ion Ratio Lower Upper

83 100

85 55.9 52.4 78.6



#30

Cyclohexane

Concen: 0.049 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. -0.007 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

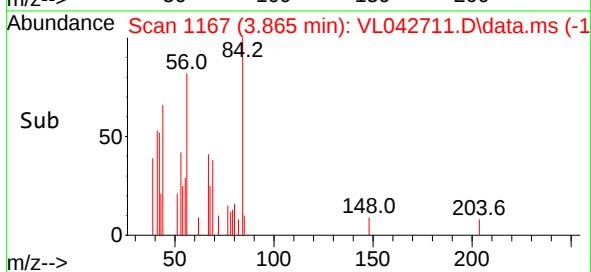
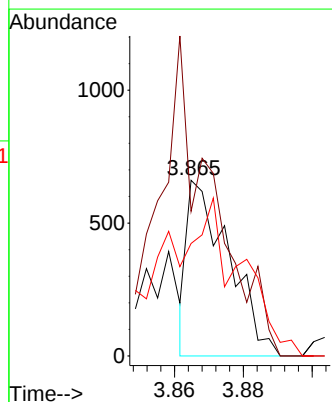
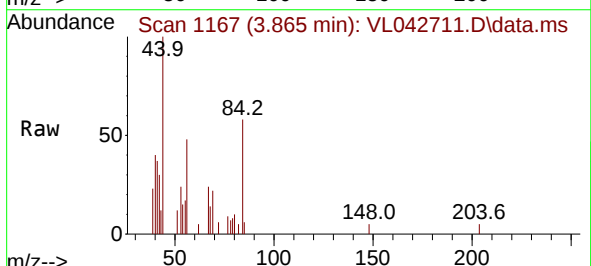
Tgt Ion: 84 Resp: 558

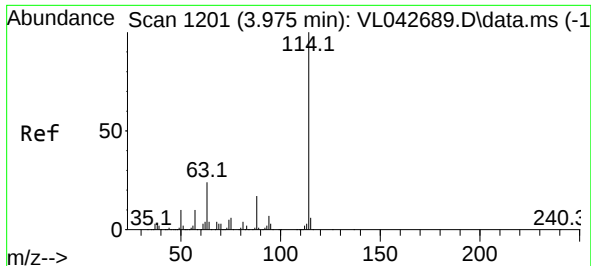
Ion Ratio Lower Upper

84 100

56 249.1 110.4 165.6#

41 184.9 71.4 107.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.007 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

SV1

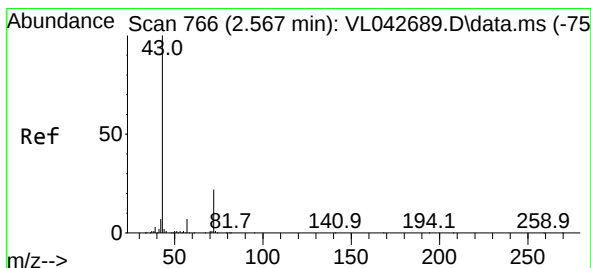
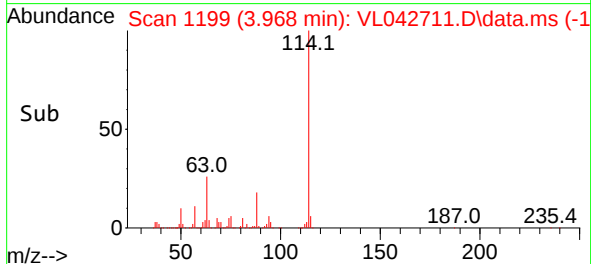
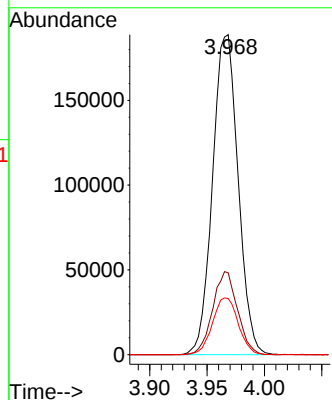
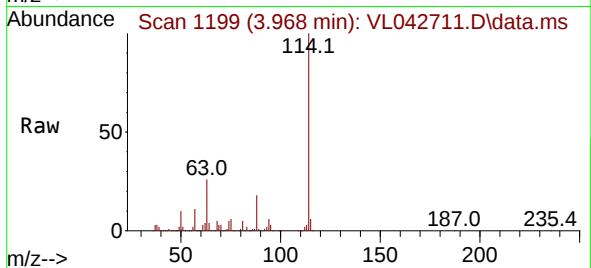
Tgt Ion:114 Resp: 292507

Ion Ratio Lower Upper

114 100

63 25.2 20.4 30.6

88 18.0 14.2 21.2



#34

2-Butanone

Concen: 4.788 ppbv

RT: 2.564 min Scan# 765

Delta R.T. -0.003 min

Lab File: VL042711.D

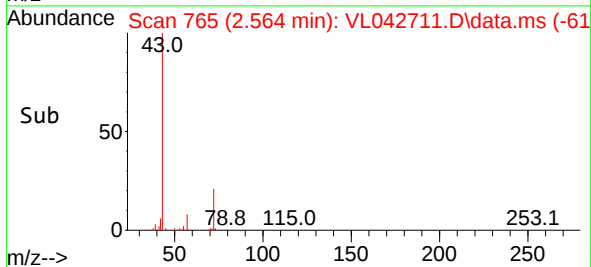
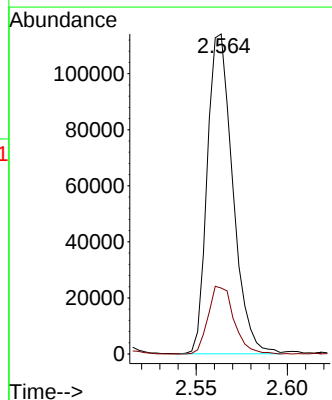
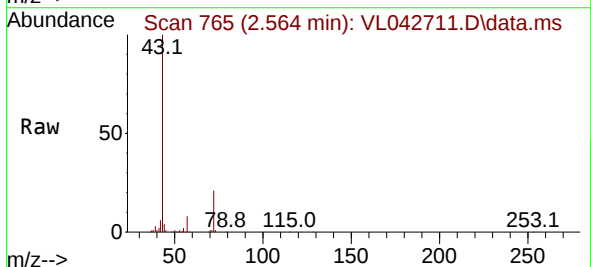
Acq: 08 Jul 2025 12:47

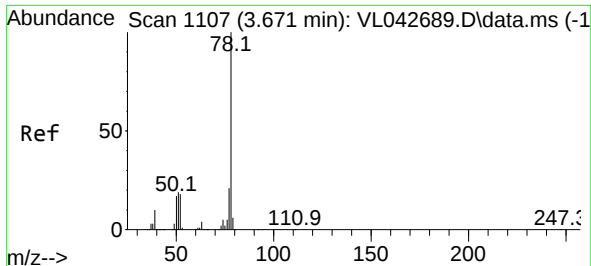
Tgt Ion: 43 Resp: 110851

Ion Ratio Lower Upper

43 100

72 21.4 17.1 25.7

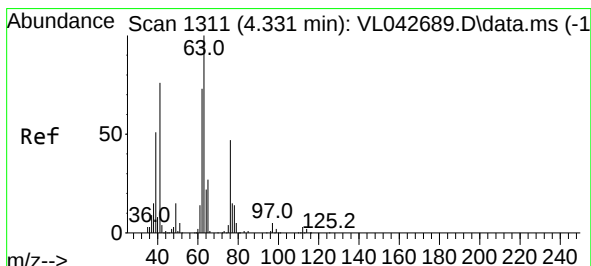
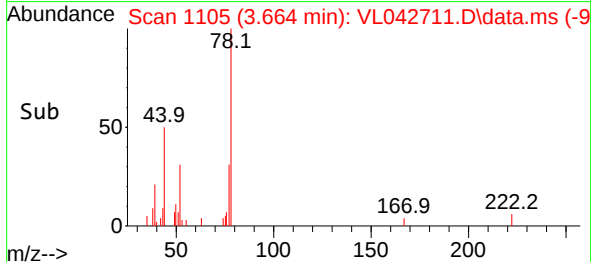
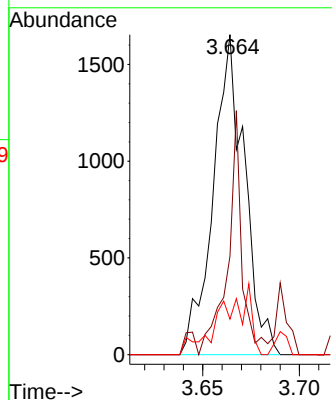
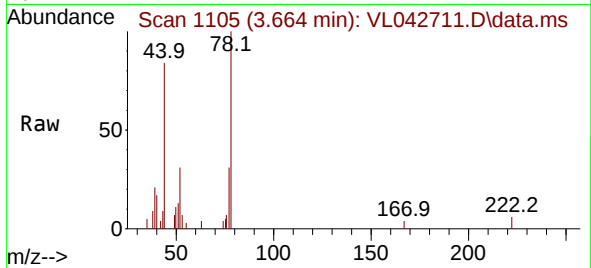




#36
Benzene
Concen: 0.063 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. -0.007 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

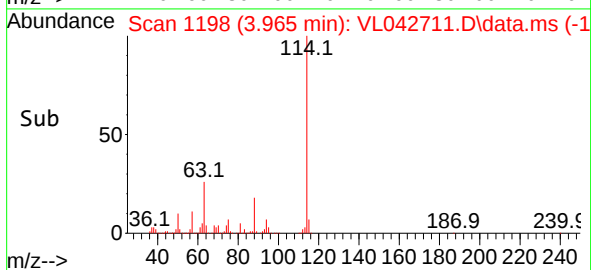
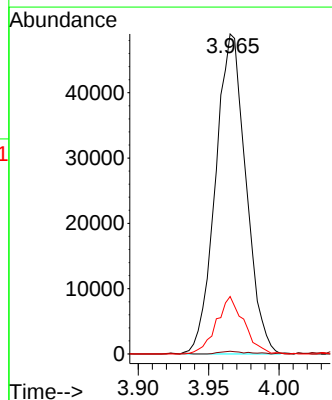
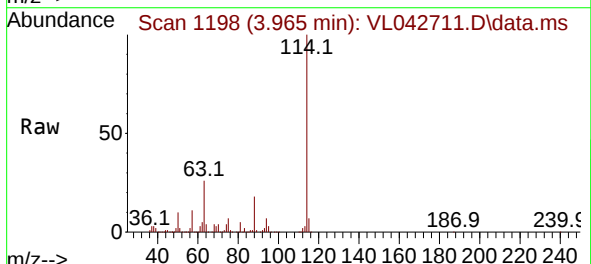
Instrument :
MSVOA_1
ClientSampleId :
SV1

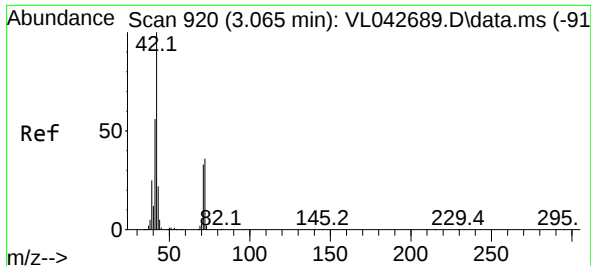
Tgt Ion: 78 Resp: 1861
Ion Ratio Lower Upper
78 100
77 30.7 17.0 25.4#
50 11.1 13.7 20.5#



#39
1,2-Dichloropropane
Concen: 6.403 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.366 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion: 63 Resp: 73623
Ion Ratio Lower Upper
63 100
41 0.9 60.8 91.2#
62 17.9 58.6 87.8#





#41

Tetrahydrofuran

Concen: 0.038 ppbv

RT: 3.082 min Scan# 91

Delta R.T. 0.016 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

SV1

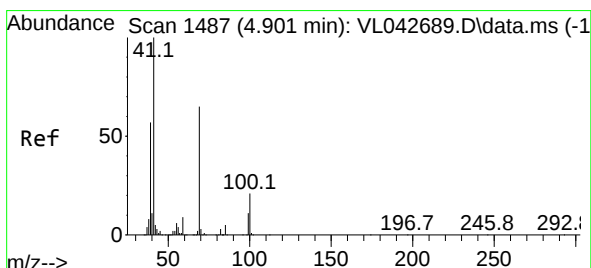
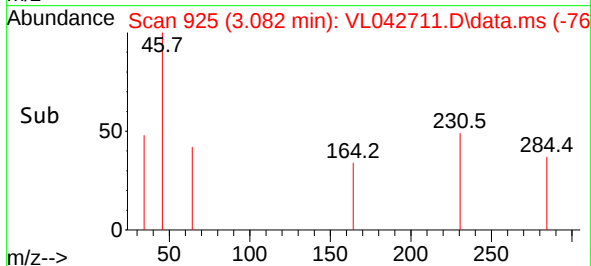
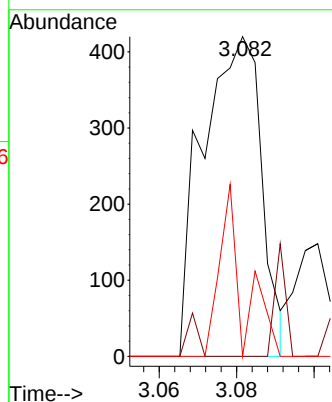
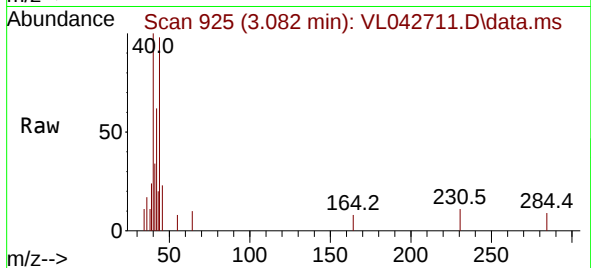
Tgt Ion: 42 Resp: 444

Ion Ratio Lower Upper

42 100

72 0.0 28.2 42.4#

71 21.8 25.4 38.0#



#43

Methyl Methacrylate

Concen: 0.086 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.084 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

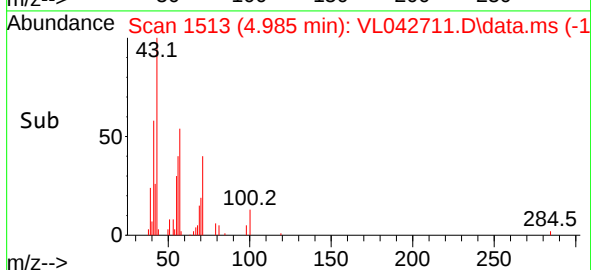
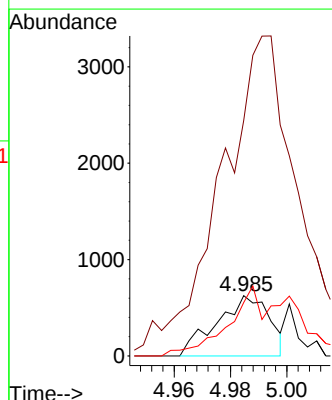
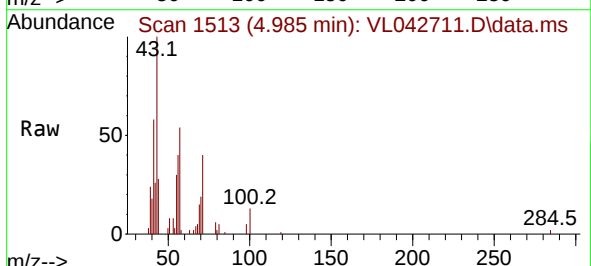
Tgt Ion: 69 Resp: 813

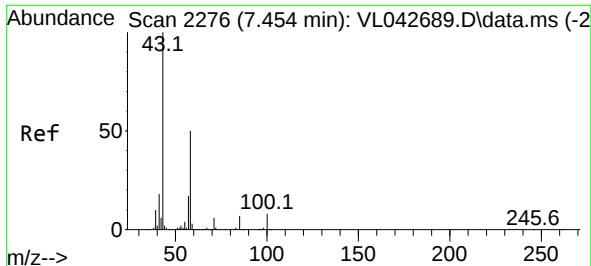
Ion Ratio Lower Upper

69 100

41 0.0 125.4 188.2#

100 144.9 26.4 39.6#

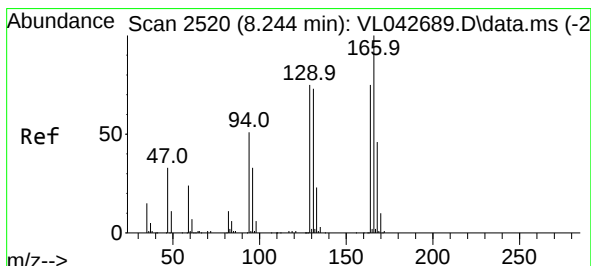
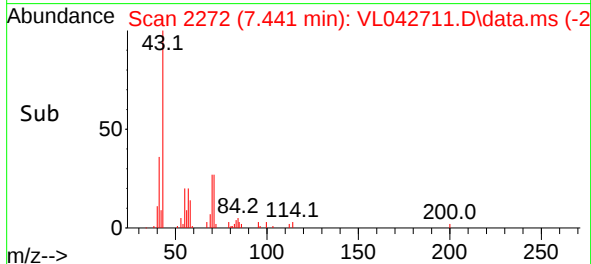
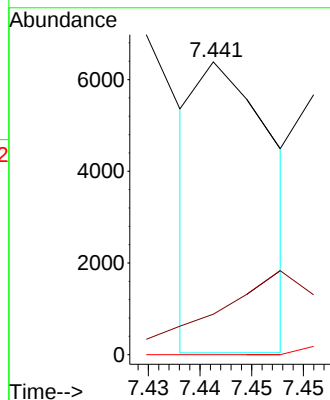
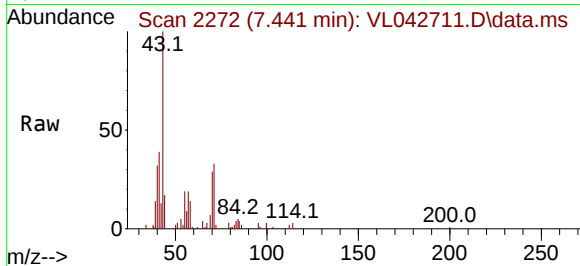




#51
2-Hexanone
Concen: 0.161 ppbv
RT: 7.441 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

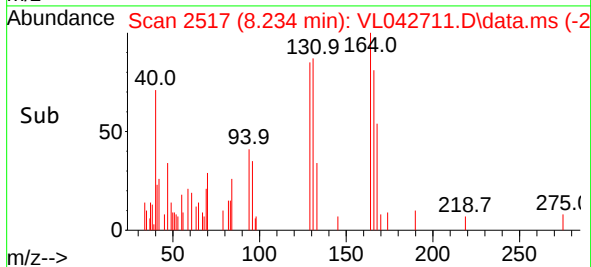
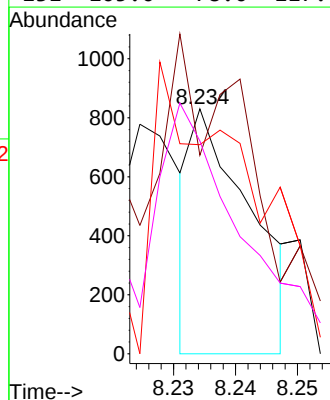
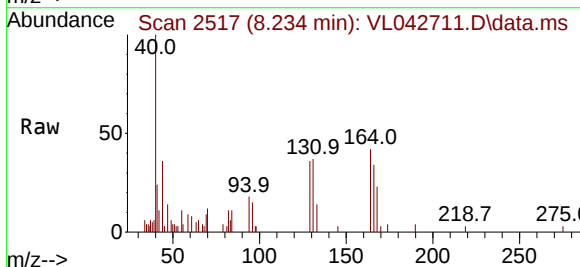
Instrument :
MSVOA_L
ClientSampleId :
SV1

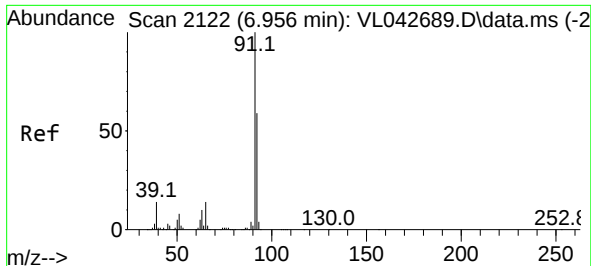
Tgt Ion: 43 Resp: 3167
Ion Ratio Lower Upper
43 100
58 0.0 38.6 57.8#
98 0.0 0.6 1.0#



#52
Tetrachloroethene
Concen: 0.056 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. -0.010 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion: 164 Resp: 549
Ion Ratio Lower Upper
164 100
166 93.9 106.6 160.0#
129 31.4 79.8 119.6#
131 105.0 78.0 117.0

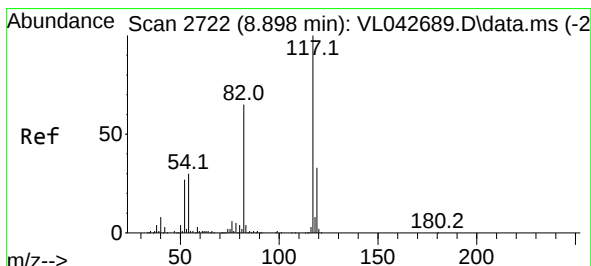
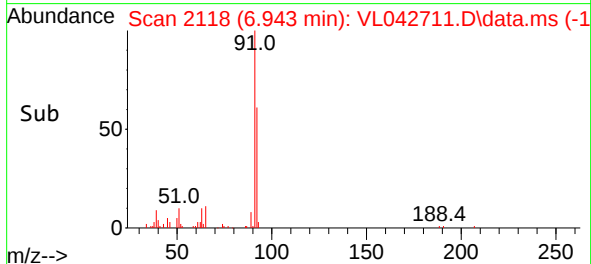
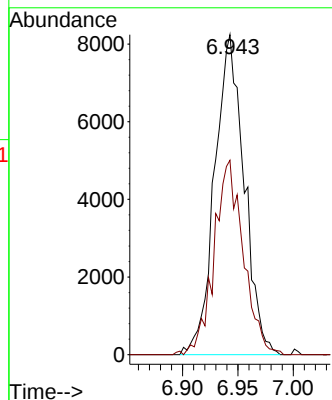
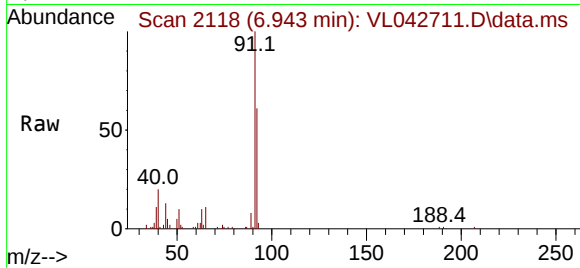




#53
Toluene
Concen: 0.553 ppbv
RT: 6.943 min Scan# 2122
Delta R.T. -0.013 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

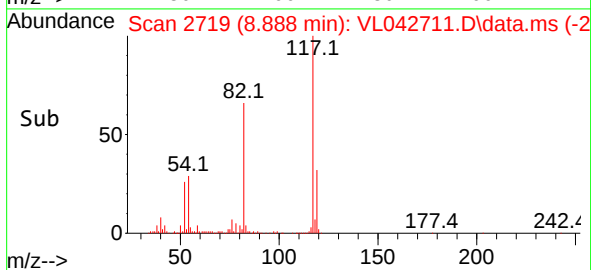
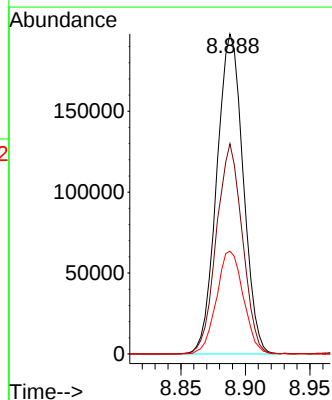
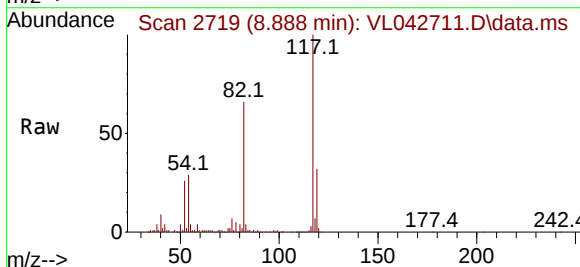
Instrument :
MSVOA_L
ClientSampleId :
SV1

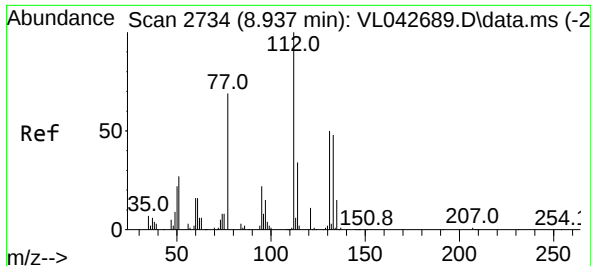
Tgt Ion: 91 Resp: 15231
Ion Ratio Lower Upper
91 100
92 60.5 47.4 71.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.010 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion: 117 Resp: 280925
Ion Ratio Lower Upper
117 100
82 64.8 53.4 80.2
119 32.8 26.6 39.8





#57

Chlorobenzene

Concen: 0.085 ppbv

RT: 8.875 min Scan# 21

Delta R.T. -0.062 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

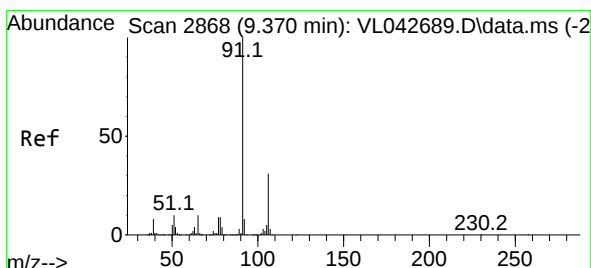
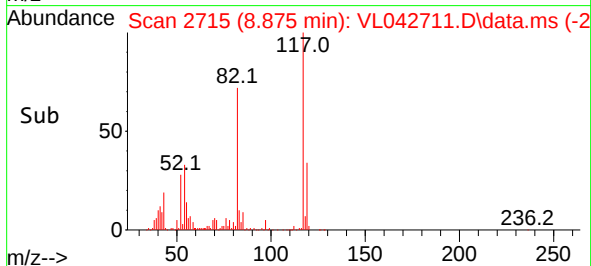
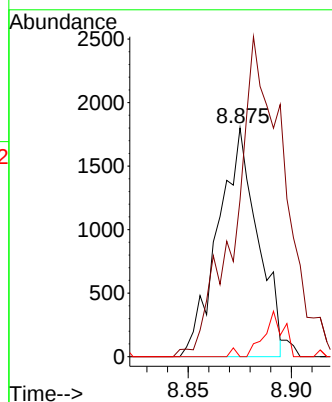
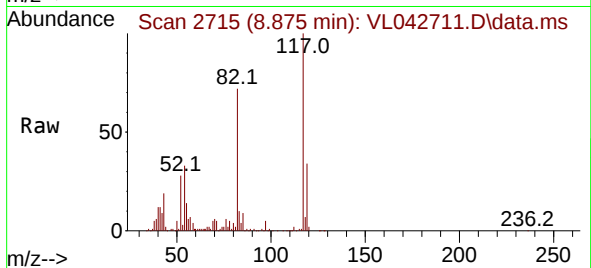
Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:112	Resp:	2404
Ion Ratio	Lower	Upper
112	100	
77	65.5	56.2 84.4
114	0.0	30.2 37.0#



#58

Ethyl Benzene

Concen: 0.131 ppbv

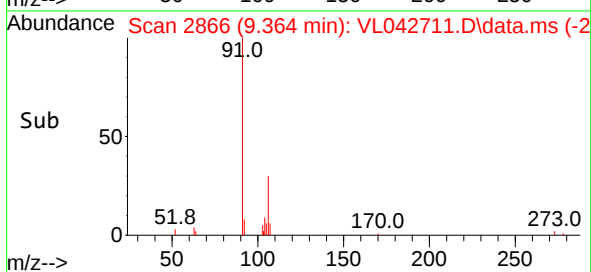
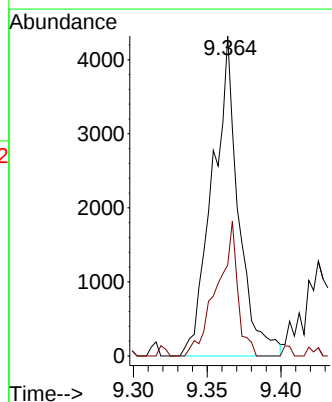
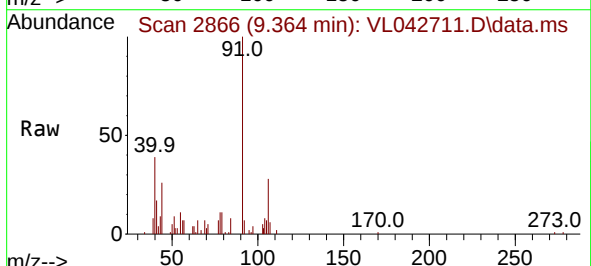
RT: 9.364 min Scan# 2866

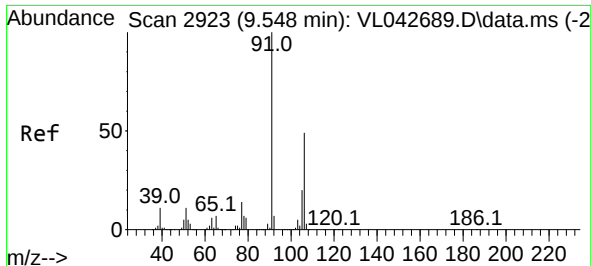
Delta R.T. -0.007 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

Tgt Ion: 91	Resp:	5323
Ion Ratio	Lower	Upper
91	100	
106	28.4	24.9 37.3





#59

m/p-Xylene

Concen: 0.787 ppbv

RT: 9.539 min Scan# 2923

Delta R.T. -0.010 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

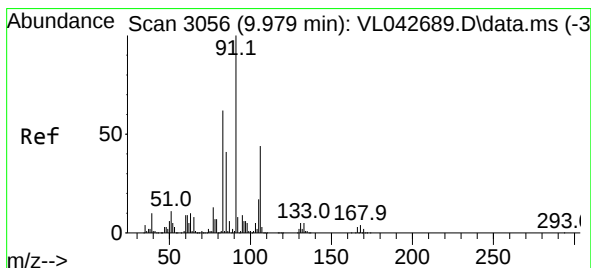
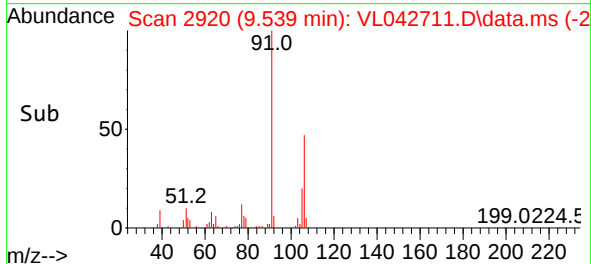
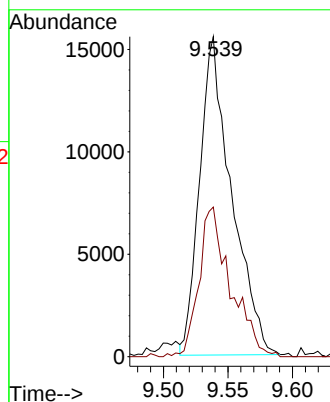
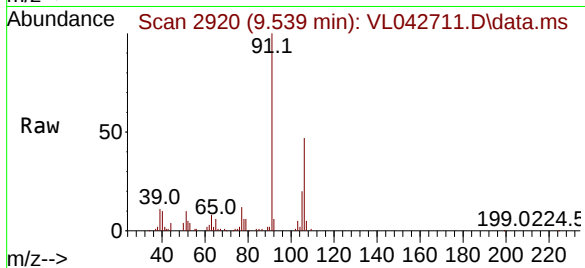
SV1

Tgt Ion: 91 Resp: 26791

Ion Ratio Lower Upper

91 100

106 46.7 37.6 56.4



#60

o-Xylene

Concen: 0.395 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.010 min

Lab File: VL042711.D

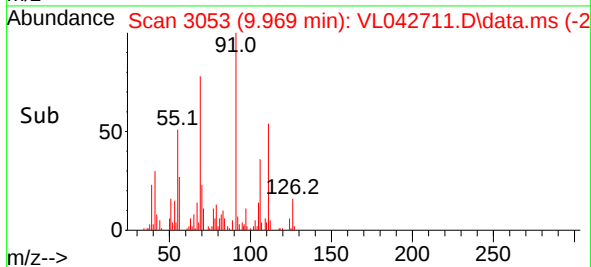
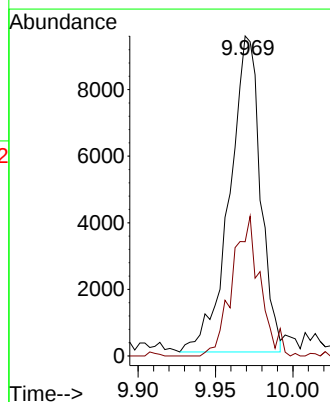
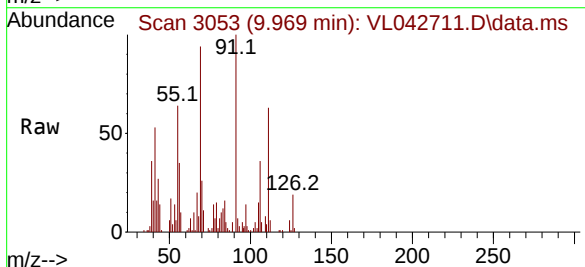
Acq: 08 Jul 2025 12:47

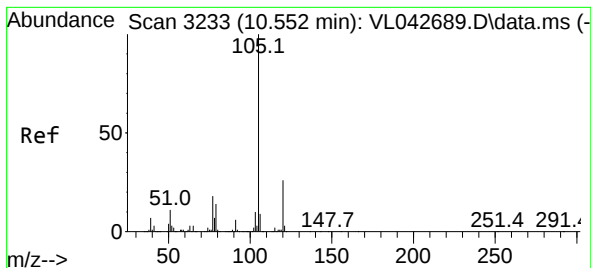
Tgt Ion: 91 Resp: 13211

Ion Ratio Lower Upper

91 100

106 40.4 22.8 68.4





#62

Isopropylbenzene

Concen: 0.057 ppbv

RT: 10.545 min Scan# 31

Delta R.T. -0.007 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

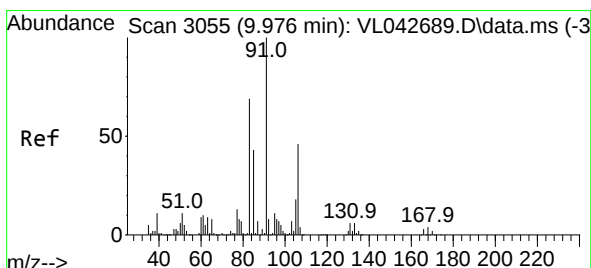
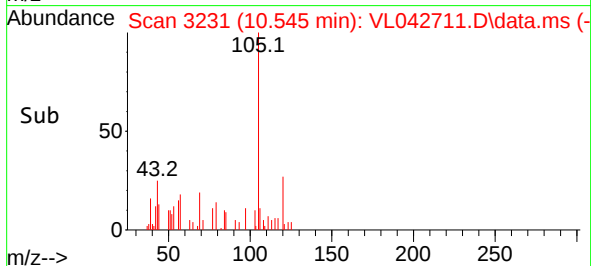
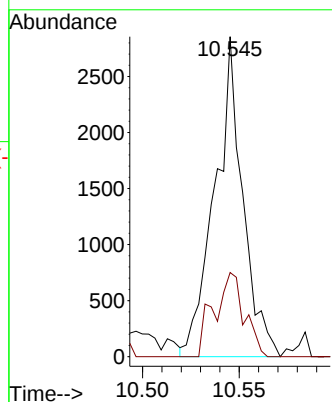
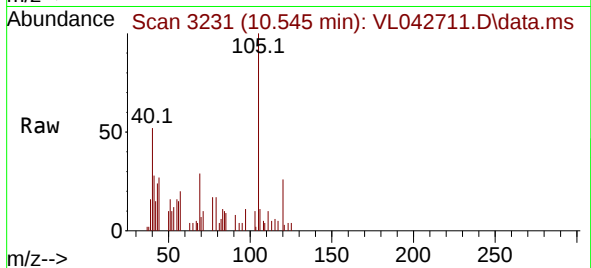
SV1

Tgt Ion:105 Resp: 2861

Ion Ratio Lower Upper

105 100

120 28.4 20.6 31.0



#63

1,1,2,2-Tetrachloroethane

Concen: 0.159 ppbv

RT: 9.953 min Scan# 3048

Delta R.T. -0.023 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

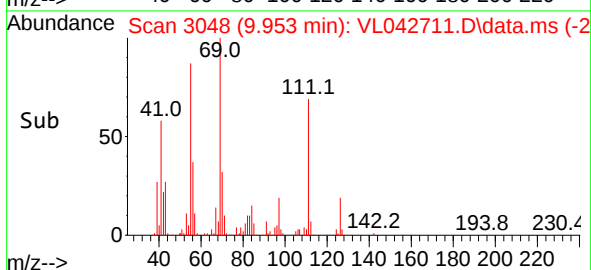
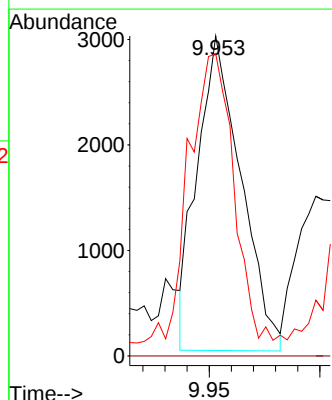
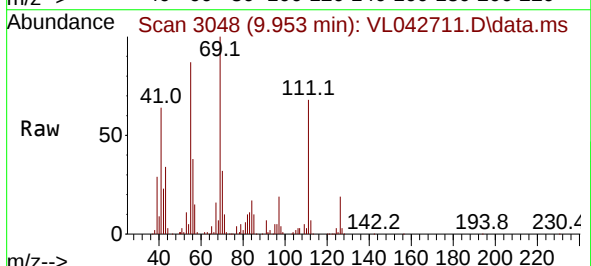
Tgt Ion: 83 Resp: 4091

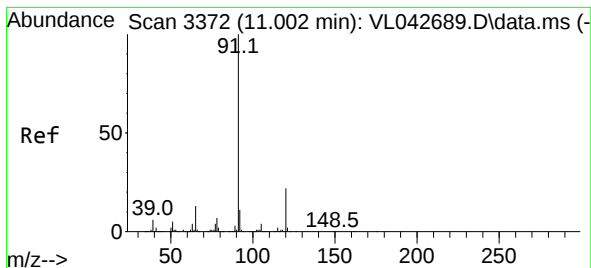
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.4#

85 0.0 31.5 94.5#





#64

n-propylbenzene

Concen: 0.128 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. -0.003 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

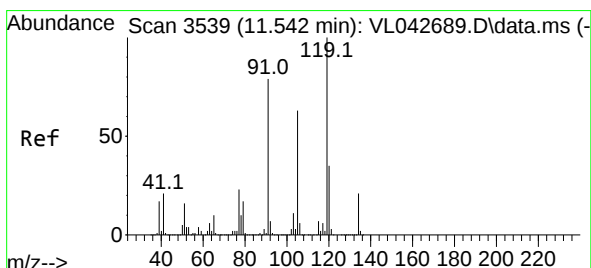
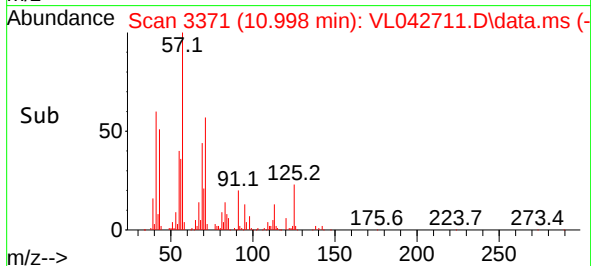
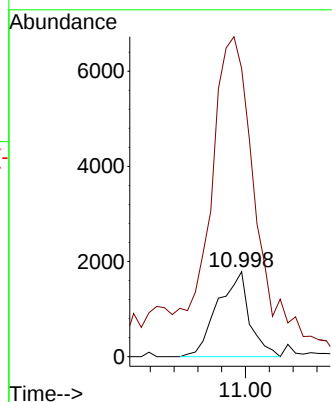
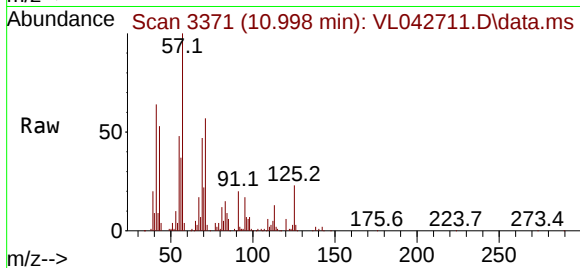
SV1

Tgt Ion:120 Resp: 1662

Ion Ratio Lower Upper

120 100

91 617.1 377.8 566.8#



#65

tert-Butylbenzene

Concen: 0.053 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.007 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

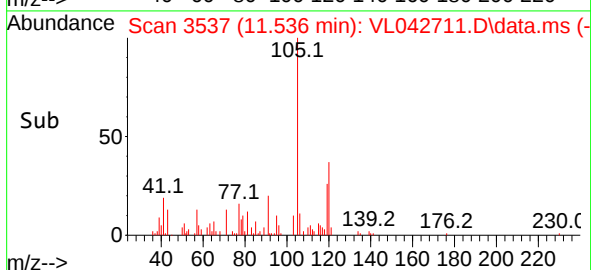
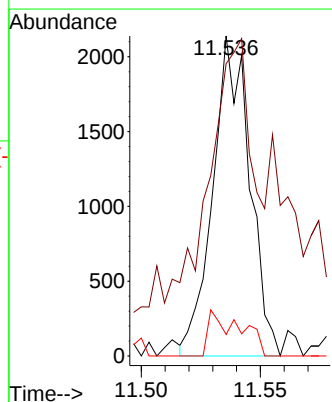
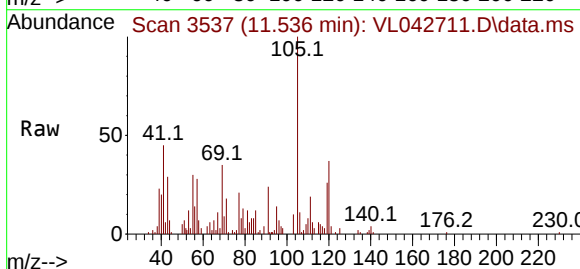
Tgt Ion:119 Resp: 2290

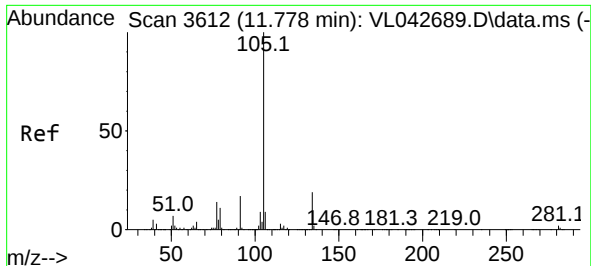
Ion Ratio Lower Upper

119 100

91 156.3 62.6 93.8#

134 12.4 16.9 25.3#





#67

sec-Butylbenzene

Concen: 0.037 ppbv

RT: 11.885 min Scan# 3

Delta R.T. 0.107 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

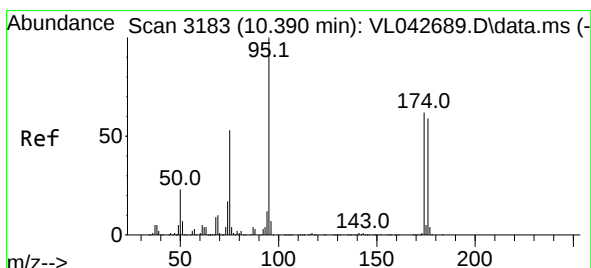
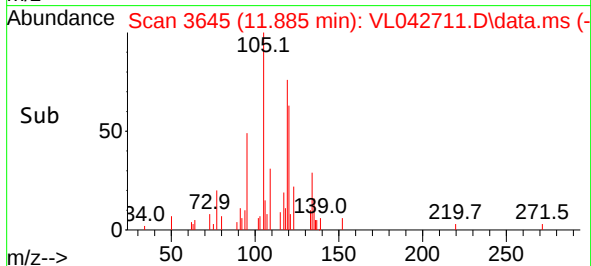
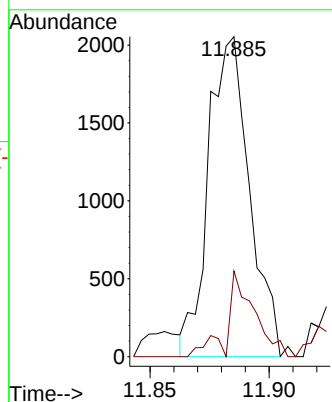
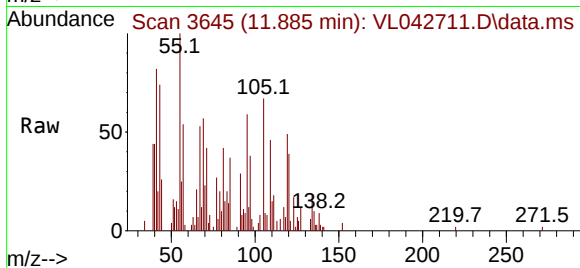
SV1

Tgt Ion:105 Resp: 2454

Ion Ratio Lower Upper

105 100

134 17.9 15.0 22.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.025 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. -0.007 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

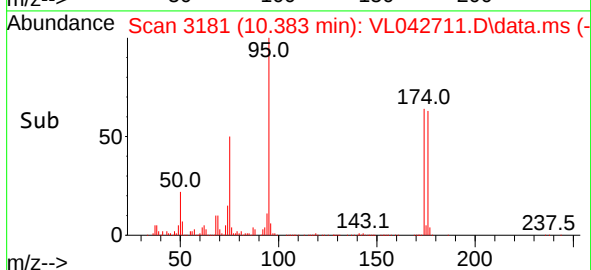
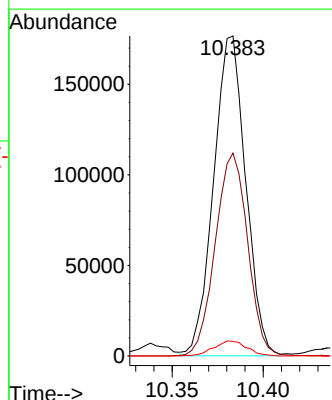
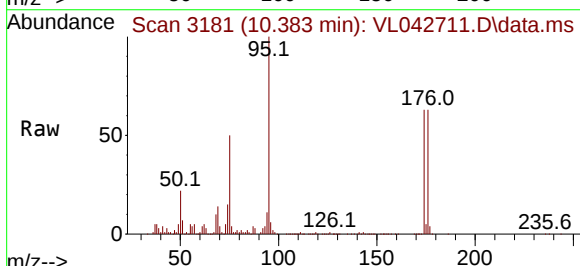
Tgt Ion: 95 Resp: 216619

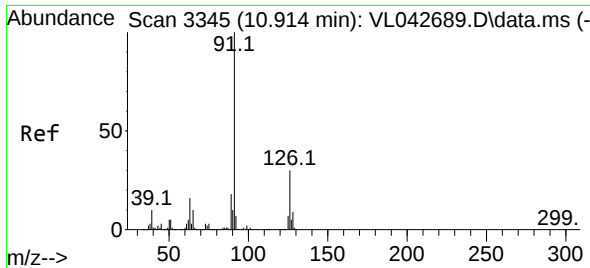
Ion Ratio Lower Upper

95 100

174 64.1 51.2 76.8

175 4.9 3.8 5.8

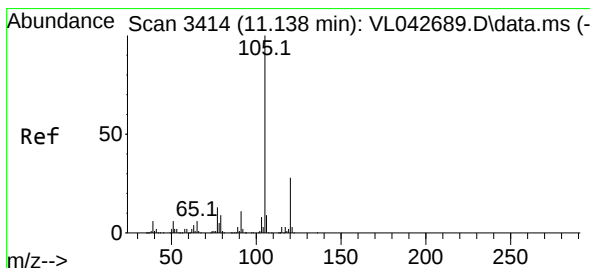
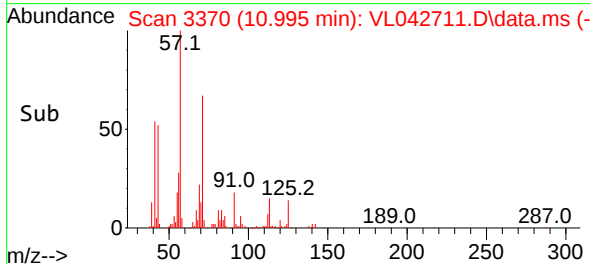
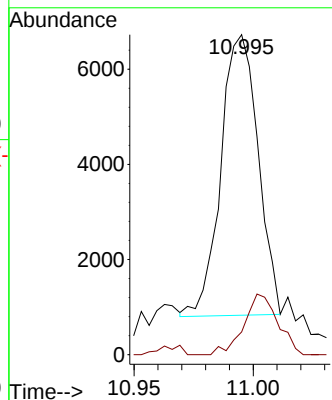
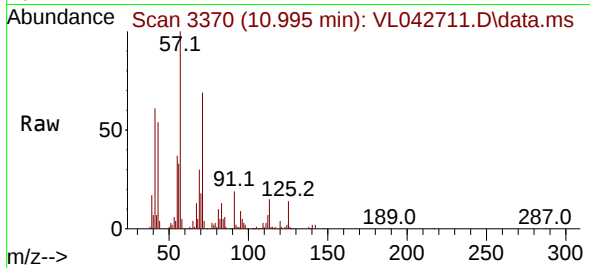




#71
2-Chlorotoluene
Concen: 0.171 ppbv
RT: 10.995 min Scan# 311
Delta R.T. 0.081 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

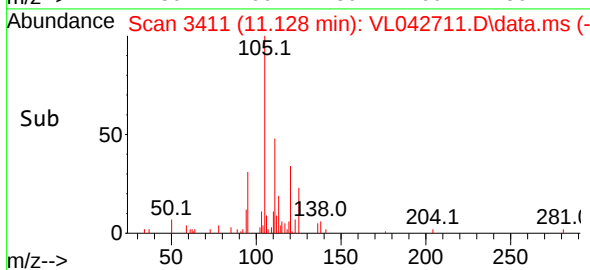
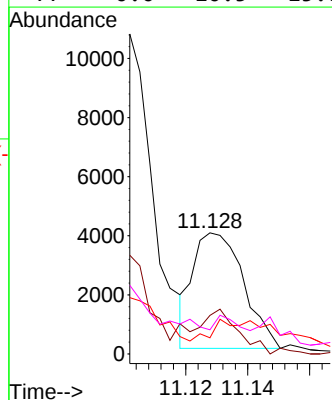
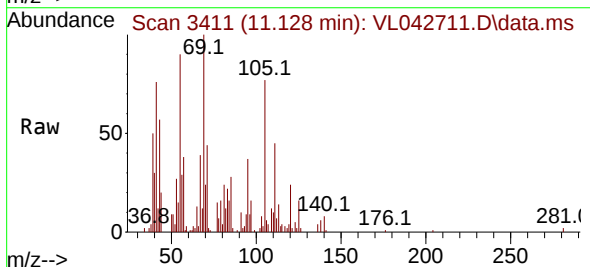
Instrument :
MSVOA_L
ClientSampleId :
SV1

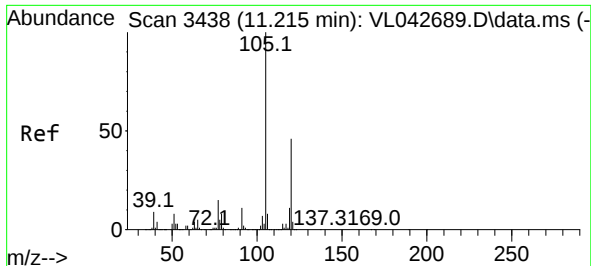
Tgt Ion: 91 Resp: 6398
Ion Ratio Lower Upper
91 100
126 21.6 11.8 47.4



#72
4-Ethyltoluene
Concen: 0.108 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.010 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion: 105 Resp: 4431
Ion Ratio Lower Upper
105 100
120 0.0 23.8 35.6#
91 36.3 9.7 14.5#
77 0.0 10.5 15.7#

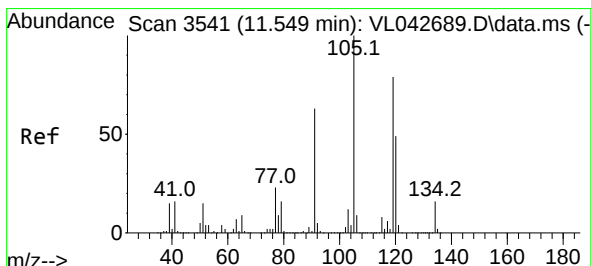
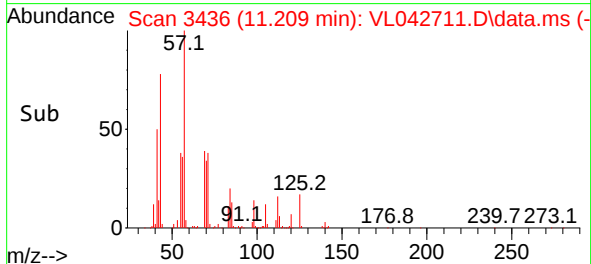
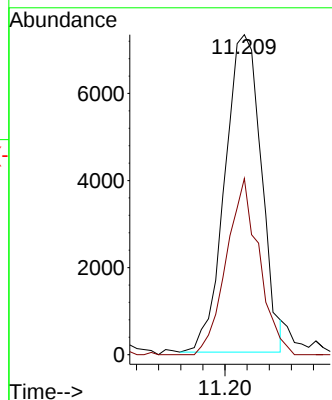
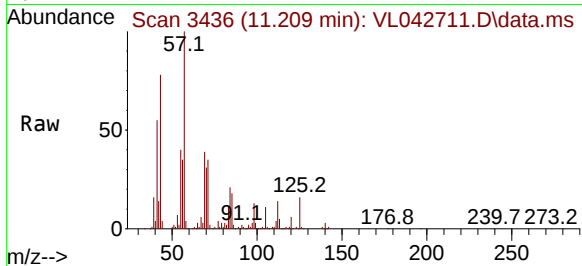




#73
1,3,5-Trimethylbenzene
Concen: 0.243 ppbv
RT: 11.209 min Scan# 3438
Delta R.T. -0.007 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

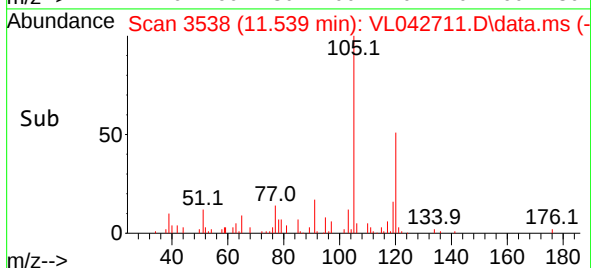
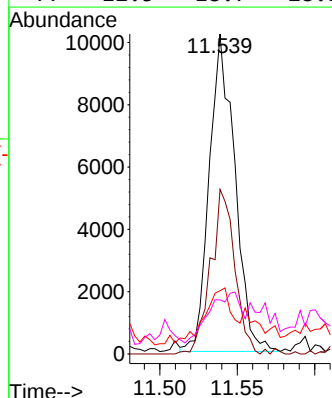
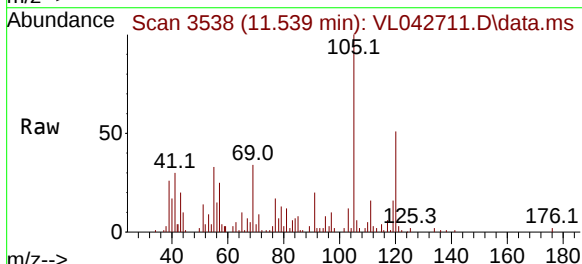
Instrument :
MSVOA_1
ClientSampleId :
SV1

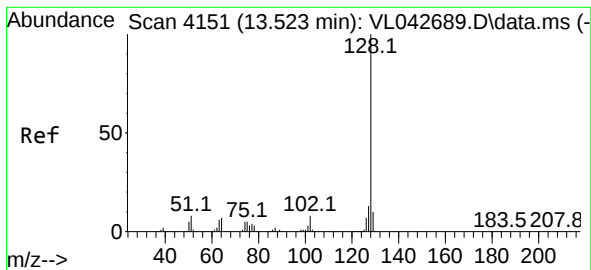
Tgt Ion:105 Resp: 8367
Ion Ratio Lower Upper
105 100
120 55.5 37.0 55.4#



#74
1,2,4-Trimethylbenzene
Concen: 0.296 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.010 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion:105 Resp: 11639
Ion Ratio Lower Upper
105 100
120 51.2 39.6 59.4
91 14.9 51.0 76.6#
77 12.5 18.7 28.1#





#79

Naphthalene

Concen: 0.035 ppbv

RT: 13.516 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL042711.D

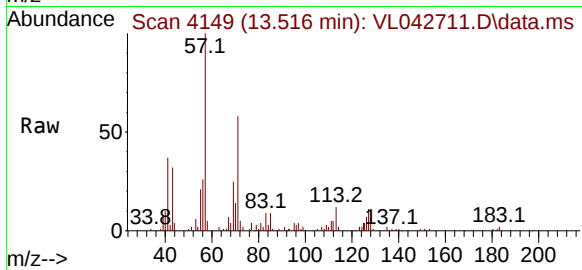
Acq: 08 Jul 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

SV1



Tgt Ion:	128	Resp:	1153
Ion Ratio	Lower	Upper	
128	100		
127	147.6	10.2	15.4#
129	16.9	8.2	12.2#

