

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042543.D
 Acq On : 14 May 2025 15:22
 Operator : SY/MD
 Sample : Q2037-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

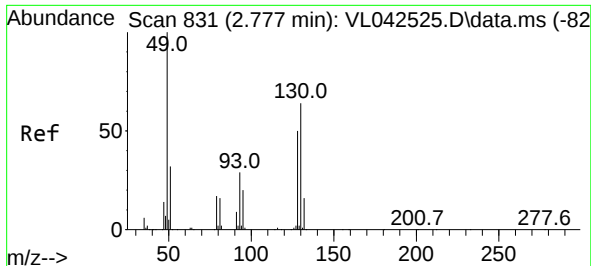
Quant Time: May 15 01:36:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 13 02:07:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	130699	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.965	114	384048	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	350637	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	285416	9.355	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	2656	0.125	ppbv	89
3) Chlorodifluoromethane	1.476	51	18980	0.878	ppbv #	86
7) Chloroethane	1.706	64	217	0.062	ppbv #	86
9) Propene	1.486	41	2823	0.602	ppbv #	1
10) Heptane	4.981	43	1792	0.100	ppbv #	1
13) Ethanol	1.437	45	143247	113.542	ppbv #	38
15) Acetone	1.839	43	116054	5.509	ppbv	98
16) 1,3-Butadiene	1.602	39	2375	0.253	ppbv #	35
17) tert-Butyl alcohol	2.042	59	825	0.043	ppbv #	1
19) Isopropyl Alcohol	1.437	45	143247	12.626	ppbv #	95
20) Methylene Chloride	2.065	84	6263	0.861	ppbv	94
23) Vinyl Acetate	2.450	43	739	0.034	ppbv #	45
25) Ethyl Acetate	2.829	43	34510	0.941	ppbv #	78
26) Hexane	2.829	57	49602	3.295	ppbv #	39
27) Carbon Disulfide	2.152	76	998	0.051	ppbv #	1
29) Chloroform	2.852	83	1501	0.048	ppbv	98
30) Cyclohexane	3.861	84	487	0.039	ppbv #	1
34) 2-Butanone	2.560	43	37395	1.477	ppbv	100
39) 1,2-Dichloropropane	3.962	63	98581	7.776	ppbv #	16
41) Tetrahydrofuran	3.062	42	924	0.084	ppbv #	36
51) 2-Hexanone	7.444	43	55848	2.525	ppbv #	86
53) Toluene	6.943	91	41032	1.229	ppbv	99
57) Chlorobenzene	8.878	112	2304	0.065	ppbv #	64
58) Ethyl Benzene	9.361	91	38568	0.807	ppbv	94
59) m/p-Xylene	9.535	91	87346	2.058	ppbv #	100
60) o-Xylene	9.966	91	51527	1.243	ppbv	97
61) Styrene	9.872	104	905	0.059	ppbv #	58
62) Isopropylbenzene	10.545	105	23812	0.381	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.988	83	5132	0.153	ppbv #	1
64) n-propylbenzene	10.992	120	14270	0.900	ppbv	90
65) tert-Butylbenzene	11.539	119	11461	0.200	ppbv #	37
66) Benzyl Chloride	11.629	91	417	0.055	ppbv #	1
67) sec-Butylbenzene	12.047	105	3334	0.041	ppbv	96
69) p-Isopropyltoluene	11.930	119	22274	0.330	ppbv	98
71) 2-Chlorotoluene	11.102	91	16459	0.348	ppbv	91
72) 4-Ethyltoluene	11.131	105	35977	0.700	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.209	105	41636	0.930	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	89411	1.623	ppbv #	60
75) 1,3-Dichlorobenzene	11.675	146	4994	0.145	ppbv #	1
76) 1,4-Dichlorobenzene	11.675	146	4994	0.152	ppbv #	1

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

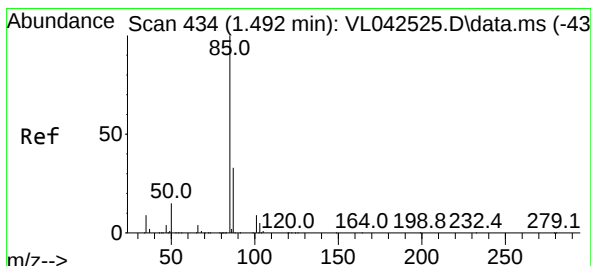
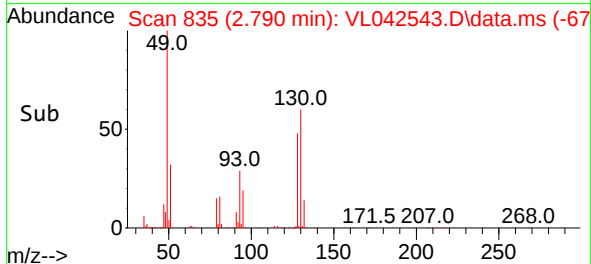
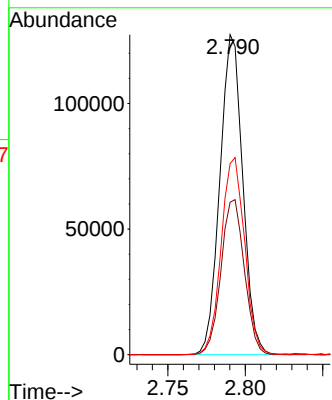
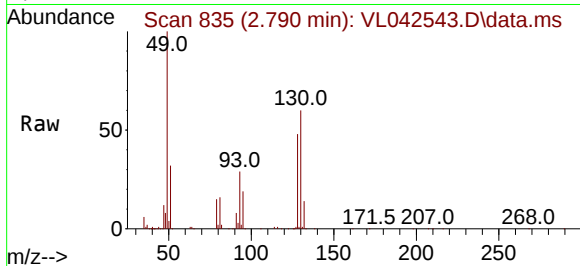
Instrument :
MSVOA_L
ClientSampleId :
SV1



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.013 min
 Lab File: VL042543.D
 Acq: 14 May 2025 15:22

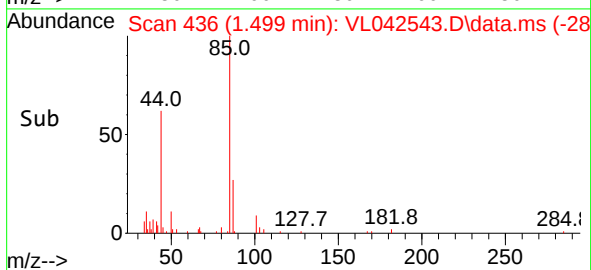
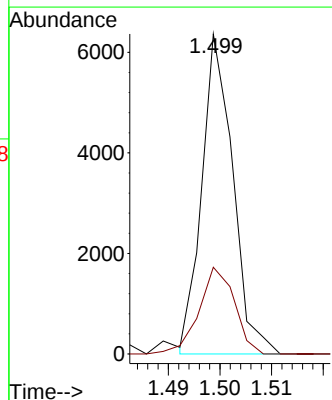
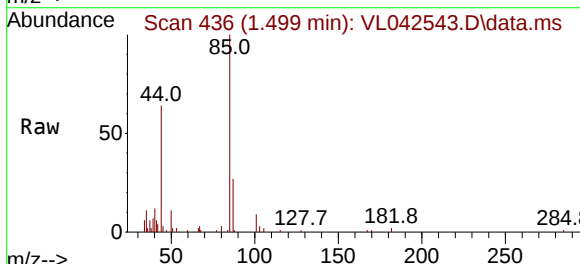
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 ClientSampleId :
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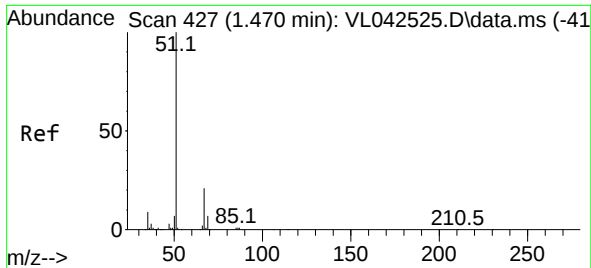
Tgt Ion: 49 Resp: 130699
 Ion Ratio Lower Upper
 49 100
 128 49.7 24.9 74.6
 130 63.3 32.5 97.5



#2
 Dichlorodifluoromethane
 Concen: 0.125 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.006 min
 Lab File: VL042543.D
 Acq: 14 May 2025 15:22

Tgt Ion: 85 Resp: 2656
 Ion Ratio Lower Upper
 85 100
 87 27.1 26.8 40.2

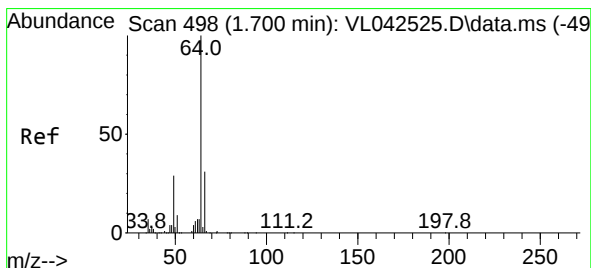
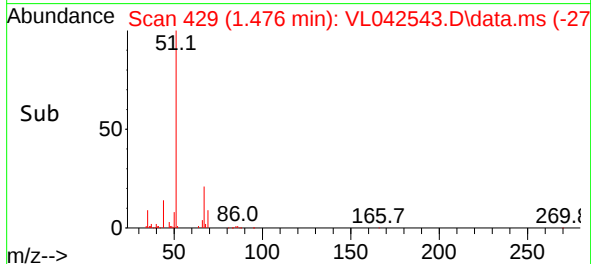
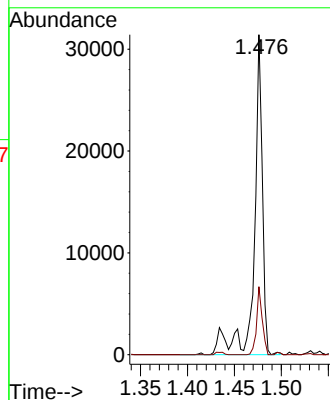
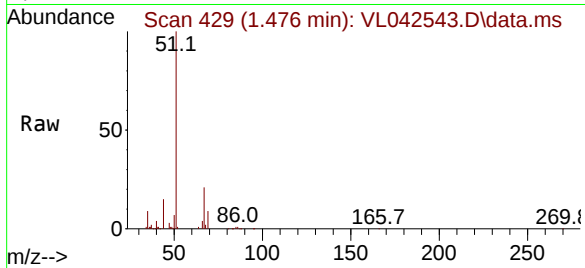




#3
Chlorodifluoromethane
Concen: 0.878 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

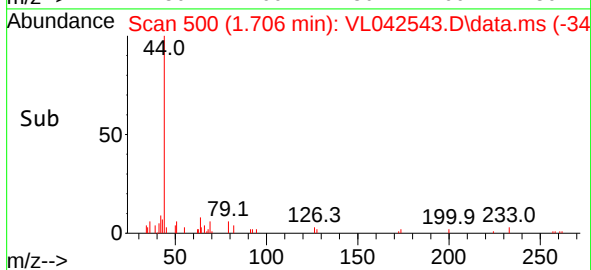
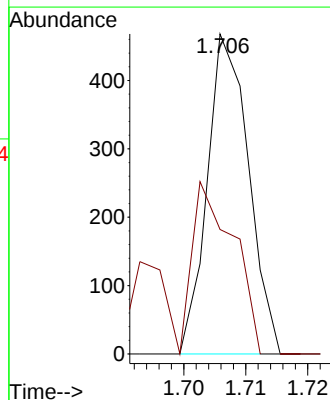
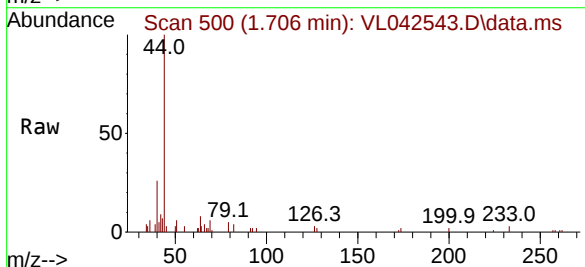
Instrument :
MSVOA_L
ClientSampleId :
SV1

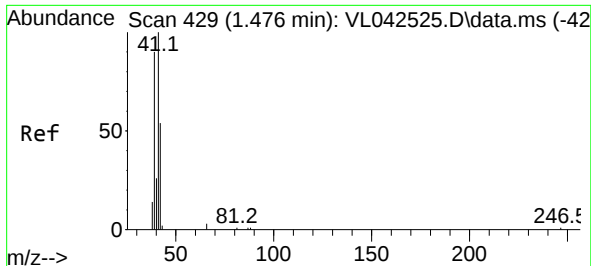
Tgt Ion: 51 Resp: 18980
Ion Ratio Lower Upper
51 100
67 15.1 17.4 26.0#



#7
Chloroethane
Concen: 0.062 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.006 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 38.9 25.1 37.7#





#9

Propene

Concen: 0.602 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.009 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Instrument :

MSVOA_L

ClientSampleId :

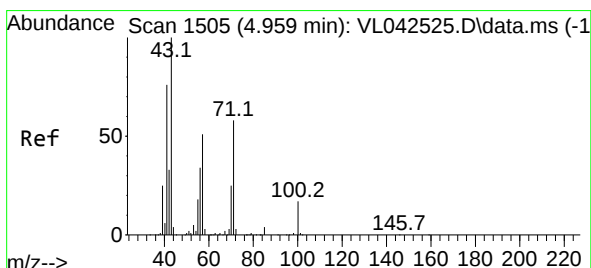
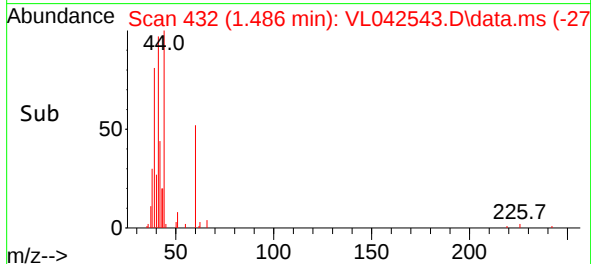
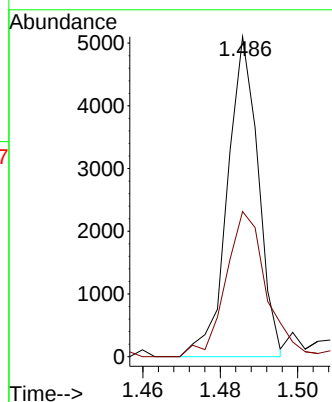
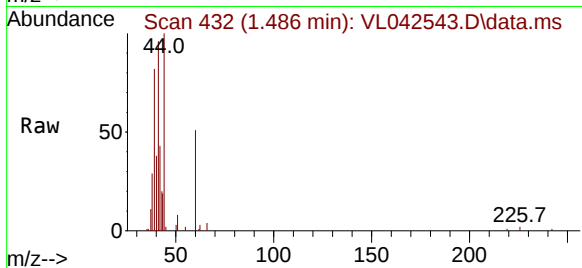
SV1

Tgt Ion: 41 Resp: 2823

Ion Ratio Lower Upper

41 100

42 61.3 4.1 6.1#



#10

Heptane

Concen: 0.100 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.022 min

Lab File: VL042543.D

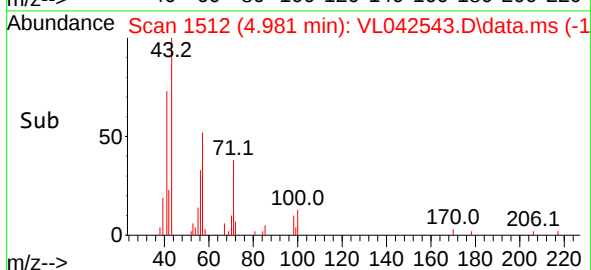
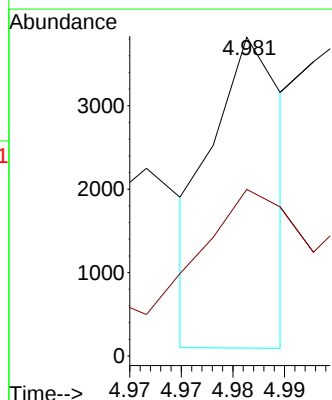
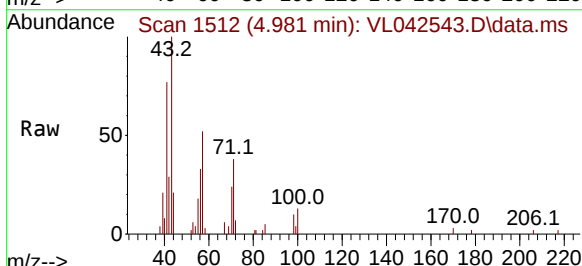
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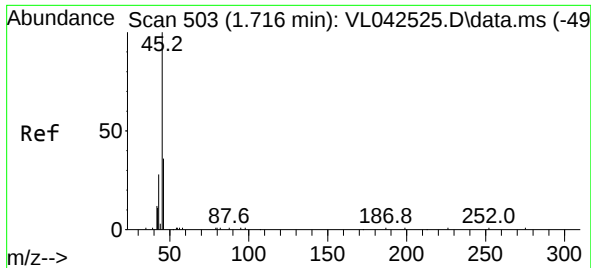
Tgt Ion: 43 Resp: 1792

Ion Ratio Lower Upper

43 100

57 217.1 42.1 63.1#

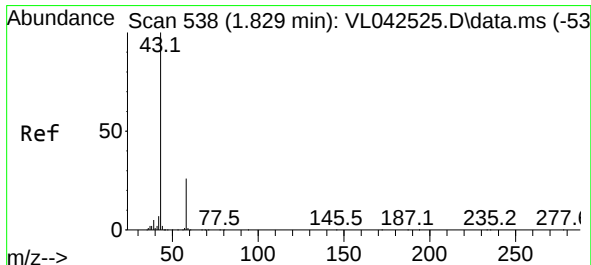
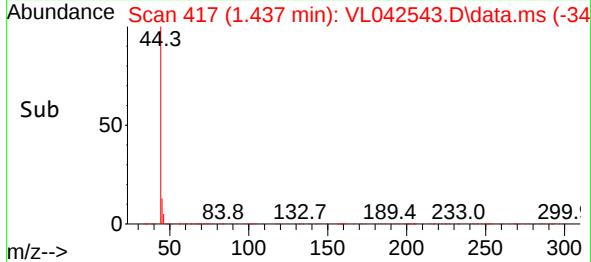
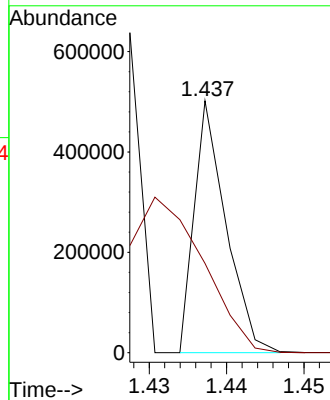
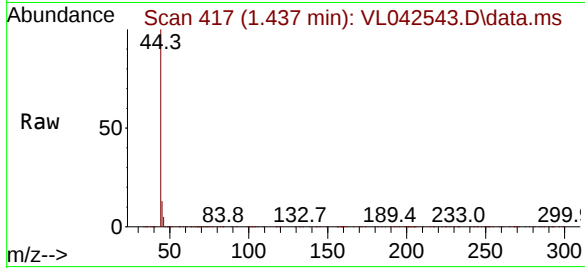




#13
Ethanol
Concen: 113.542 ppbv
RT: 1.437 min Scan# 41
Delta R.T. -0.279 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

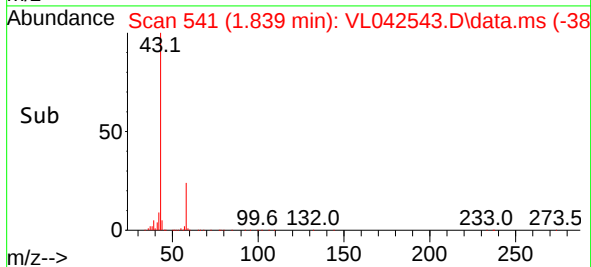
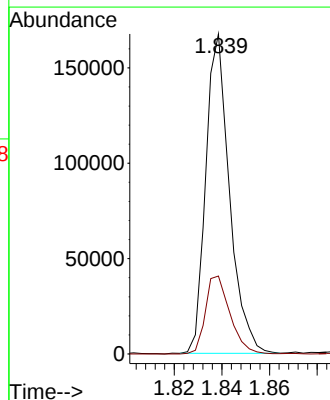
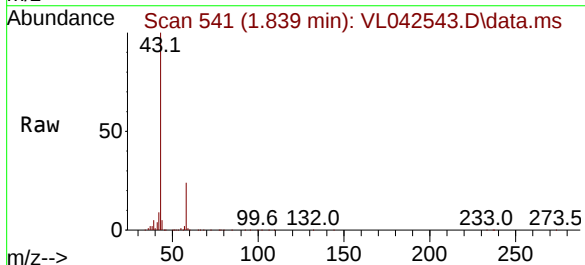
Instrument :
MSVOA_L
ClientSampleId :
SV1

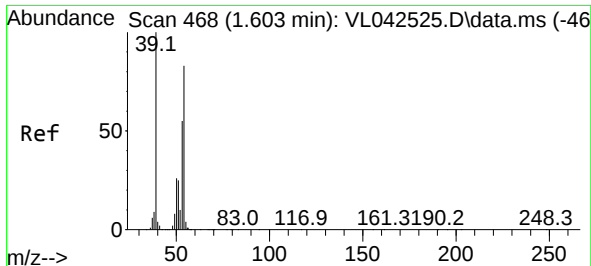
Tgt Ion: 45 Resp: 143247
Ion Ratio Lower Upper
45 100
46 0.0 14.8 59.4#



#15
Acetone
Concen: 5.509 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.009 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

Tgt Ion: 43 Resp: 116054
Ion Ratio Lower Upper
43 100
58 25.5 21.3 31.9

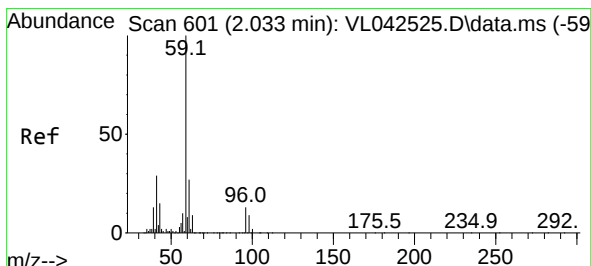
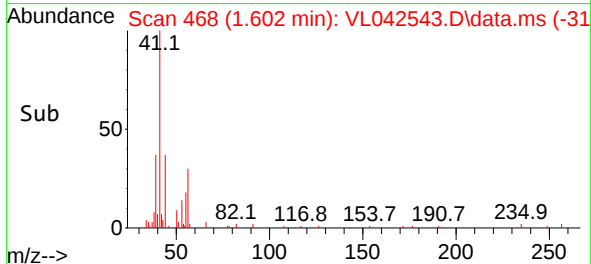
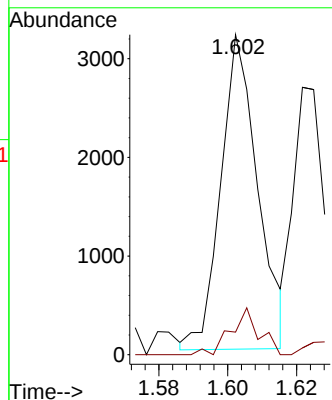
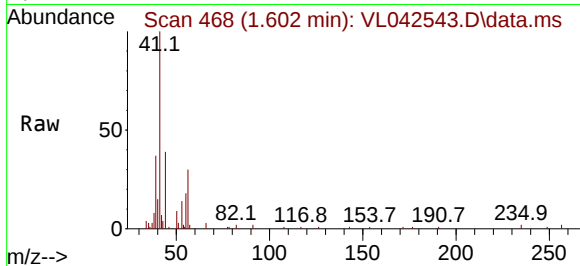




#16
1,3-Butadiene
Concen: 0.253 ppbv
RT: 1.602 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

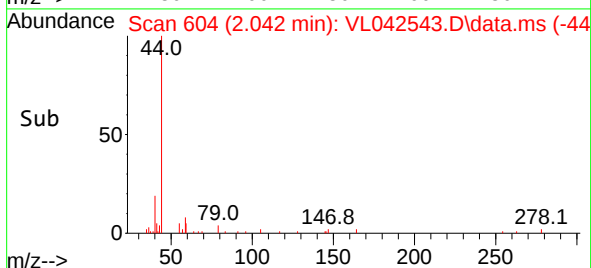
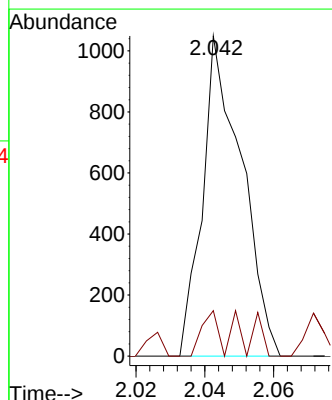
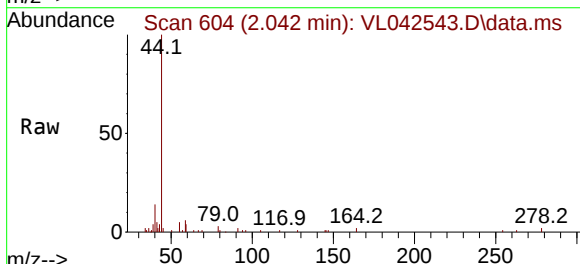
Instrument :
MSVOA_L
ClientSampleId :
SV1

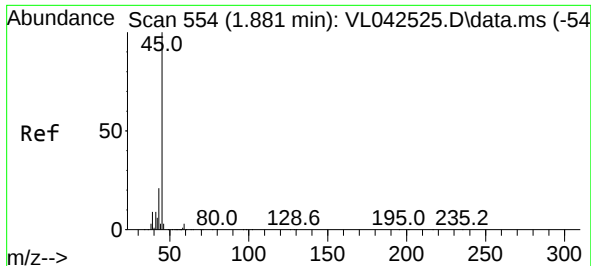
Tgt Ion: 39 Resp: 2375
Ion Ratio Lower Upper
39 100
54 18.1 57.8 86.6#



#17
tert-Butyl alcohol
Concen: 0.043 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.009 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

Tgt Ion: 59 Resp: 825
Ion Ratio Lower Upper
59 100
57 230.5 8.2 12.4#

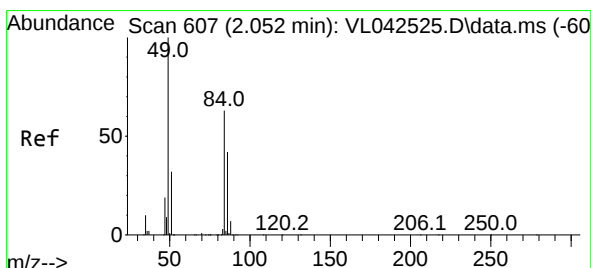
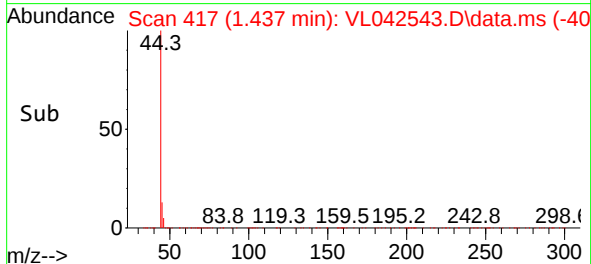
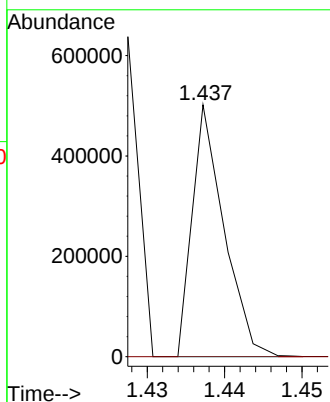
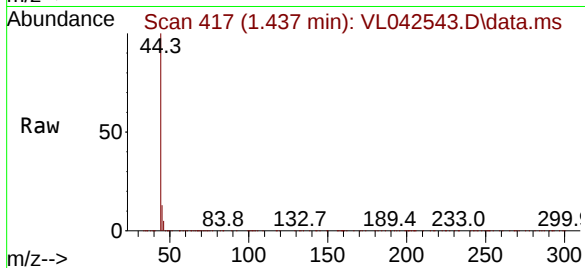




#19
Isopropyl Alcohol
Concen: 12.626 ppbv
RT: 1.437 min Scan# 417
Delta R.T. -0.444 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

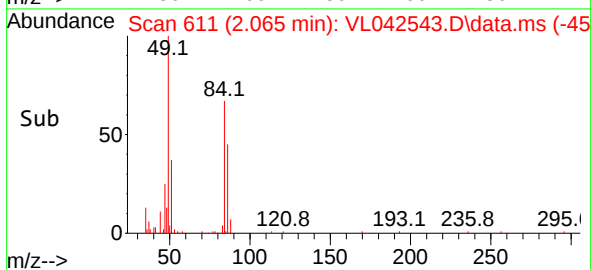
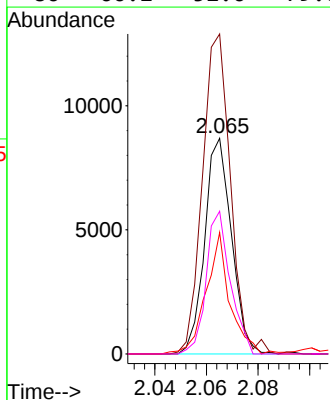
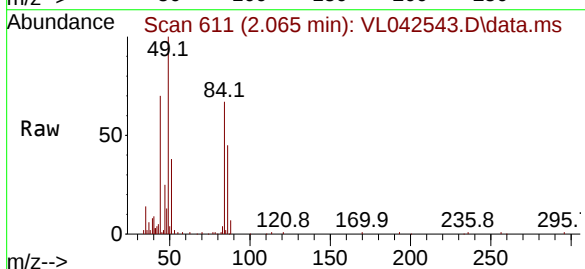
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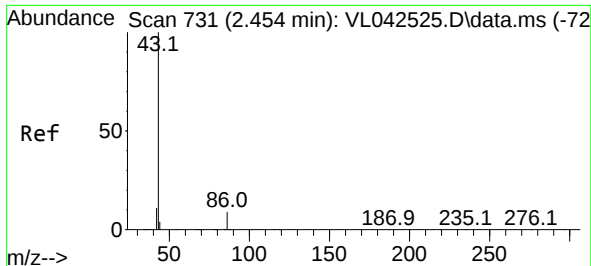
Tgt Ion: 45 Resp: 143247
Ion Ratio Lower Upper
45 100
58 0.0 1.5 2.3#



#20
Methylene Chloride
Concen: 0.861 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.013 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

Tgt Ion: 84 Resp: 6263
Ion Ratio Lower Upper
84 100
49 148.4 128.2 192.4
51 55.5 41.7 62.5
86 66.2 52.6 79.0

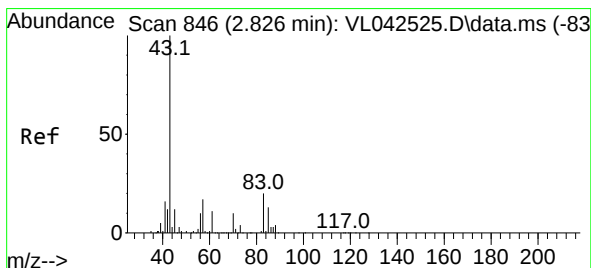
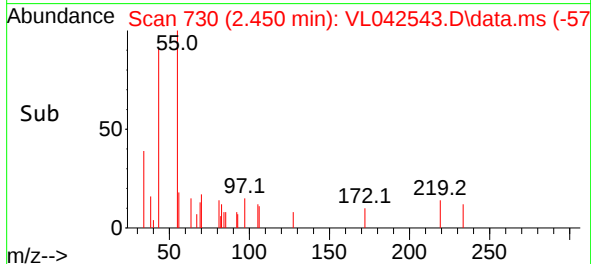
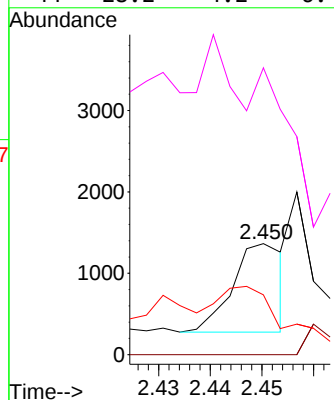
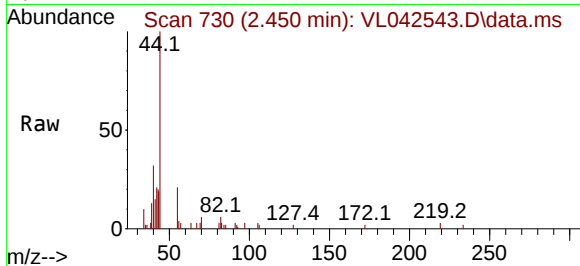




#23
 Vinyl Acetate
 Concen: 0.034 ppbv
 RT: 2.450 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL042543.D
 Acq: 14 May 2025 15:22

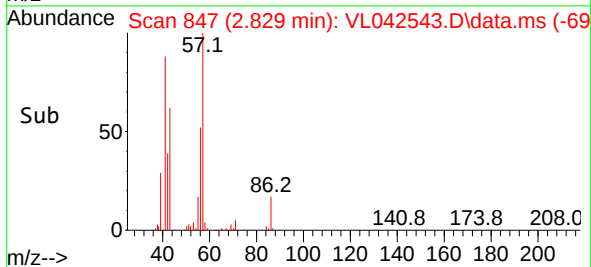
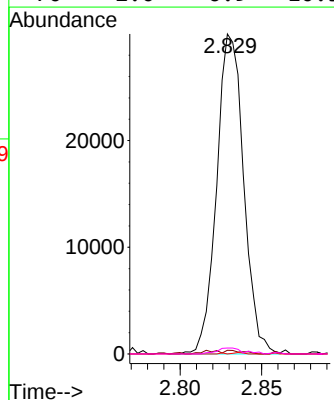
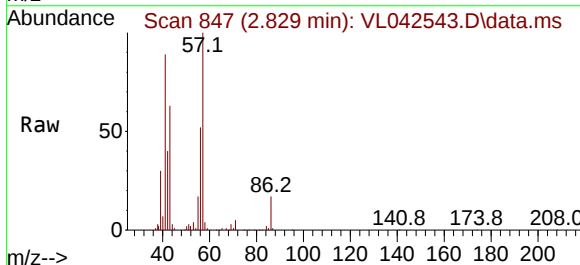
Instrument :
 MSVOA_1
 ClientSampleId :
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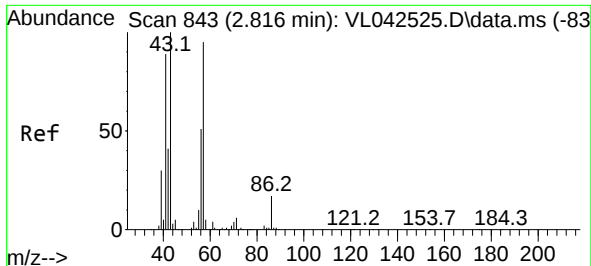
Tgt Ion:	43	Resp:	739
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.8	10.2#
42	38.3	8.8	13.2#
44	28.2	4.2	6.4#



#25
 Ethyl Acetate
 Concen: 0.941 ppbv
 RT: 2.829 min Scan# 847
 Delta R.T. 0.003 min
 Lab File: VL042543.D
 Acq: 14 May 2025 15:22

Tgt Ion:	43	Resp:	34510
Ion	Ratio	Lower	Upper
43	100		
45	1.7	7.9	11.9#
61	0.2	7.1	10.7#
70	2.0	6.9	10.3#

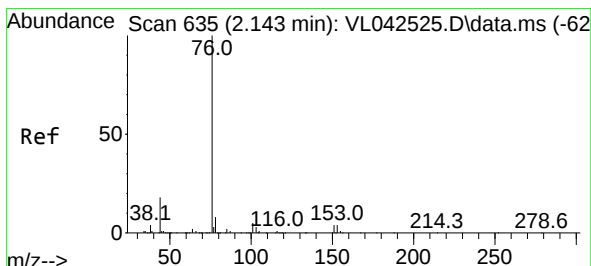
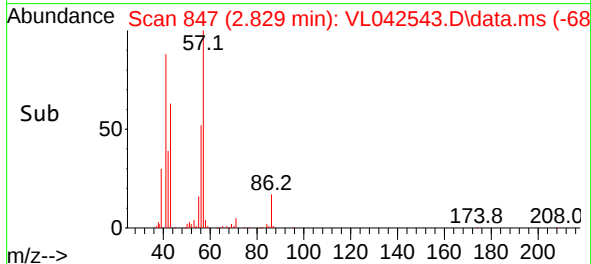
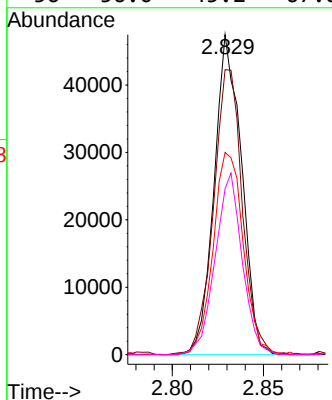
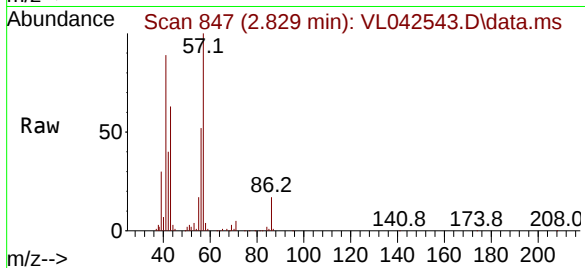




#26
Hexane
Concen: 3.295 ppbv
RT: 2.829 min Scan# 843
Delta R.T. 0.013 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

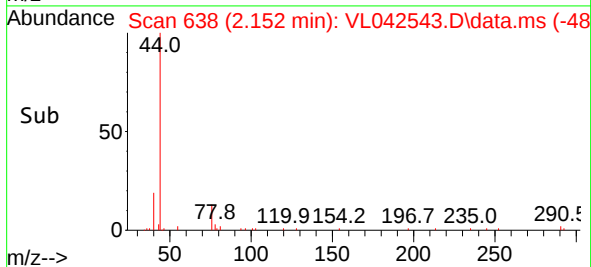
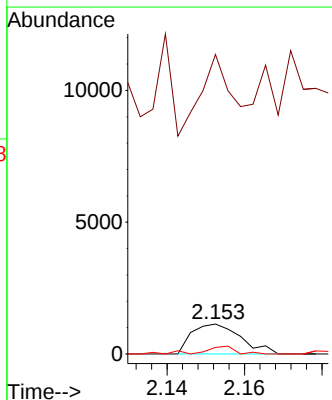
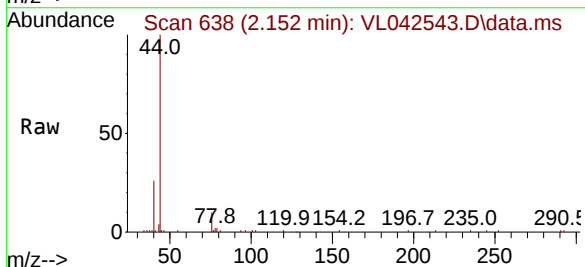
Instrument :
MSVOA_L
ClientSampleId :
SV1

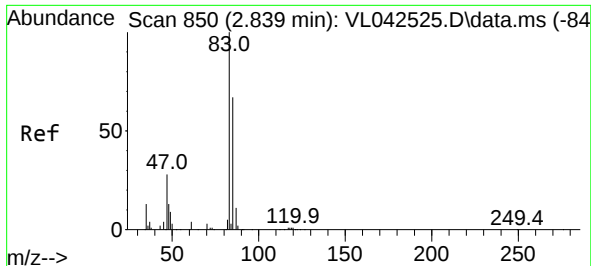
Tgt Ion:	57	Resp:	49602
Ion	Ratio	Lower	Upper
57	100		
41	93.9	76.1	114.1
43	70.1	188.9	283.3#
56	56.0	45.2	67.8



#27
Carbon Disulfide
Concen: 0.051 ppbv
RT: 2.152 min Scan# 638
Delta R.T. 0.009 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

Tgt Ion:	76	Resp:	998
Ion	Ratio	Lower	Upper
76	100		
44	1380.8	17.1	25.7#
78	17.0	8.6	12.8#





#29

Chloroform

Concen: 0.048 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.013 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Instrument :

MSVOA_L

ClientSampleId :

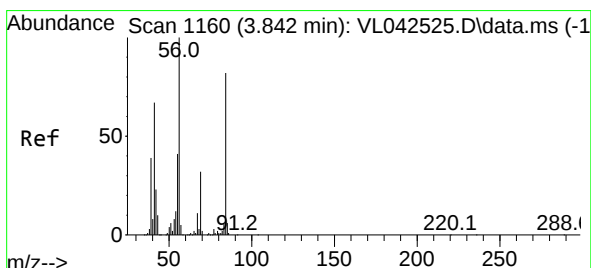
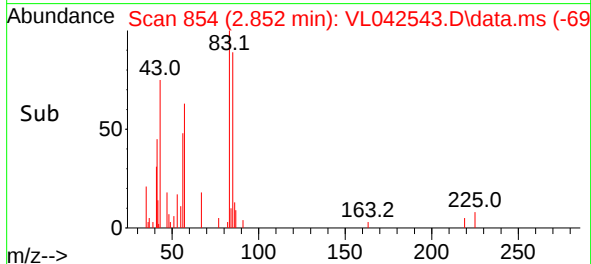
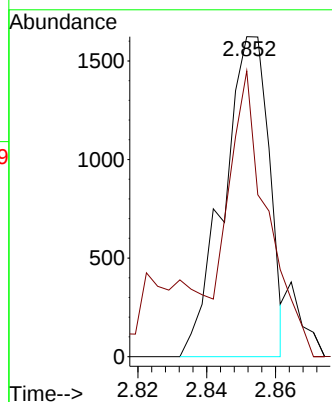
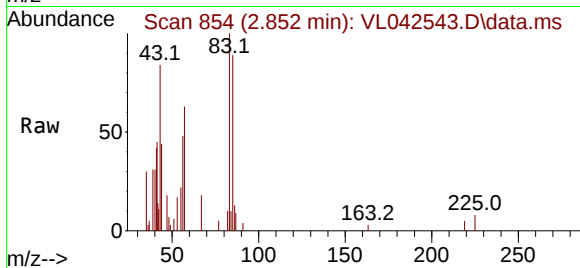
SV1

Tgt Ion: 83 Resp: 1501

Ion Ratio Lower Upper

83 100

85 65.3 53.5 80.3



#30

Cyclohexane

Concen: 0.039 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.019 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

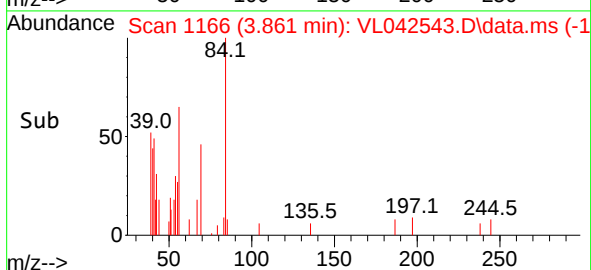
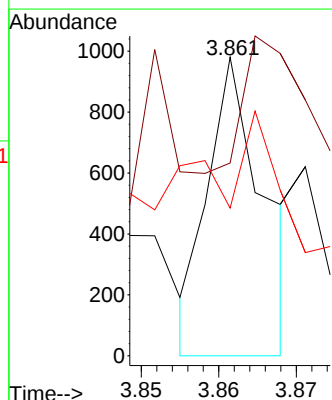
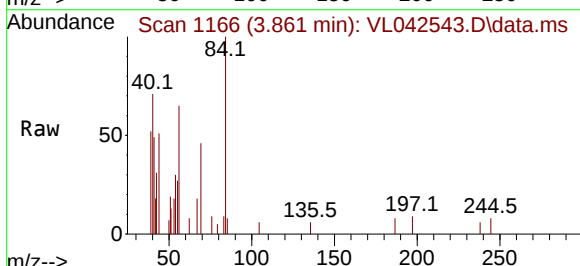
Tgt Ion: 84 Resp: 487

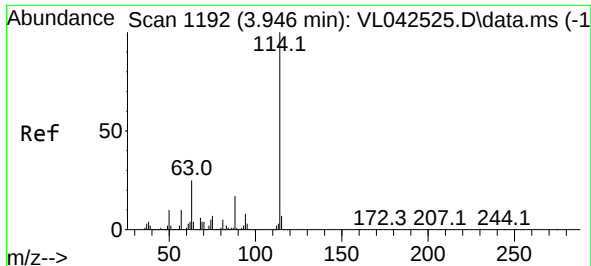
Ion Ratio Lower Upper

84 100

56 322.6 97.1 145.7#

41 228.7 66.6 99.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.019 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Instrument :

MSVOA_L

ClientSampleId :

SV1

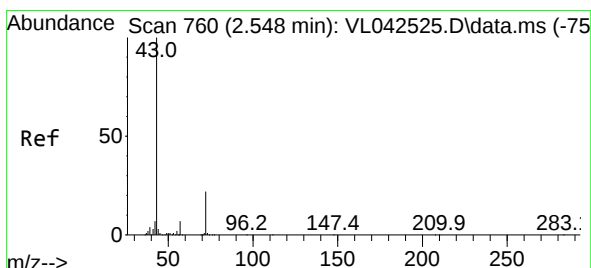
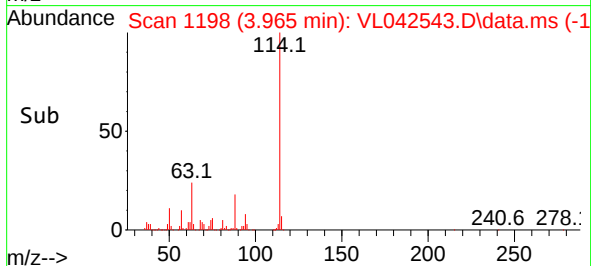
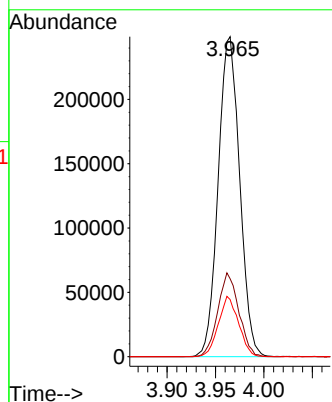
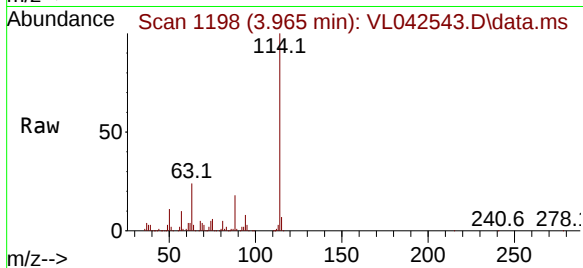
Tgt Ion:114 Resp: 384048

Ion Ratio Lower Upper

114 100

63 25.7 20.4 30.6

88 17.7 14.5 21.7



#34

2-Butanone

Concen: 1.477 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.013 min

Lab File: VL042543.D

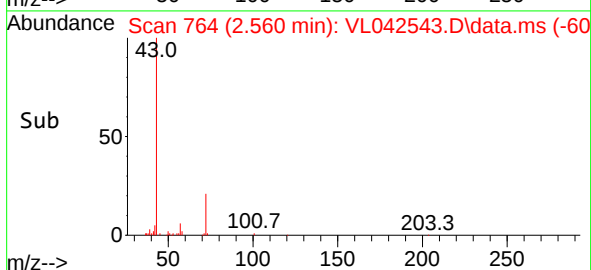
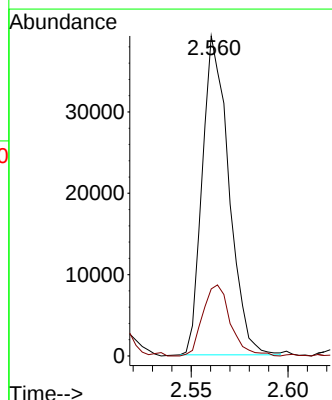
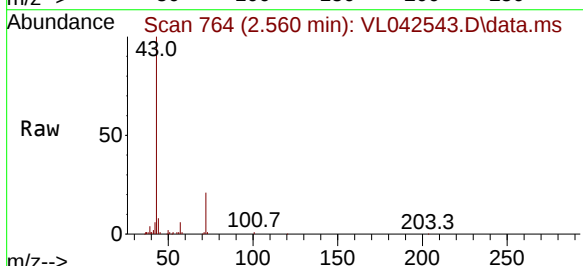
Acq: 14 May 2025 15:22

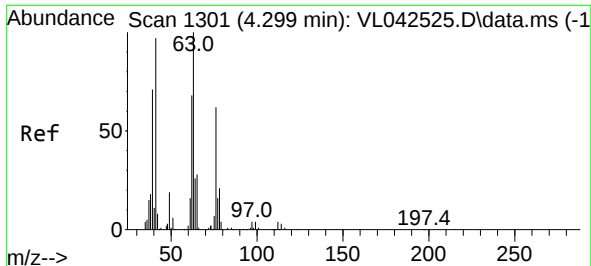
Tgt Ion: 43 Resp: 37395

Ion Ratio Lower Upper

43 100

72 23.6 18.7 28.1





#39

1,2-Dichloropropane

Concen: 7.776 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.337 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Instrument :

MSVOA_L

ClientSampleId :

SV1

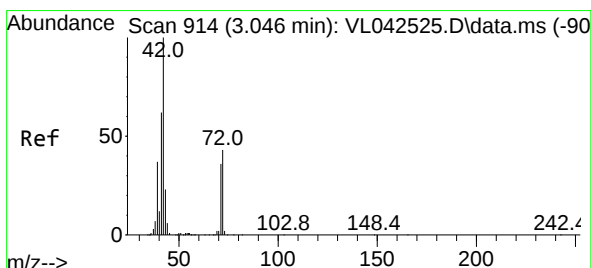
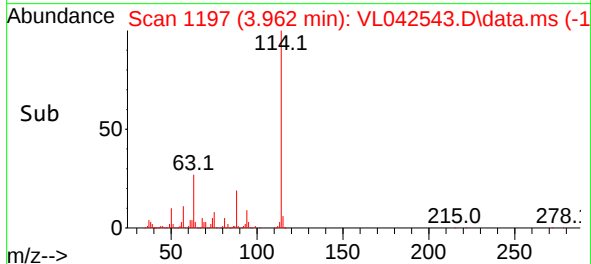
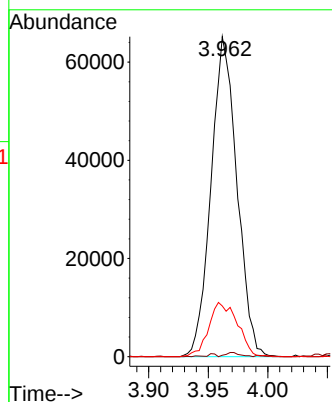
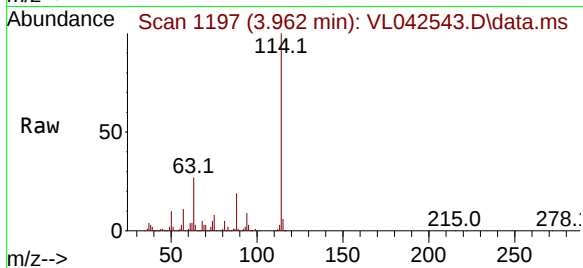
Tgt Ion: 63 Resp: 98581

Ion Ratio Lower Upper

63 100

41 0.4 77.5 116.3#

62 15.8 54.6 82.0#



#41

Tetrahydrofuran

Concen: 0.084 ppbv

RT: 3.062 min Scan# 919

Delta R.T. 0.016 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

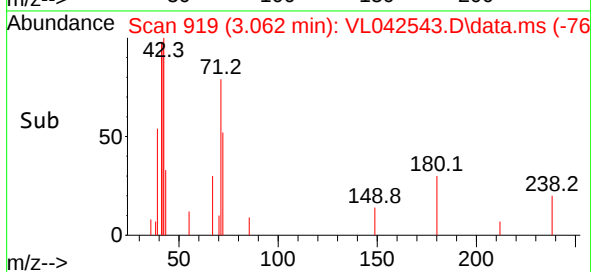
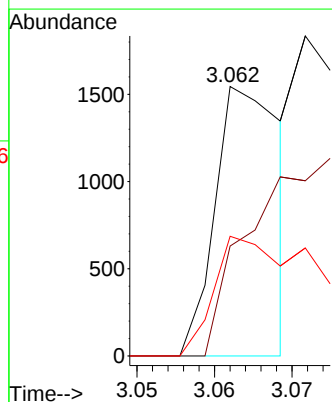
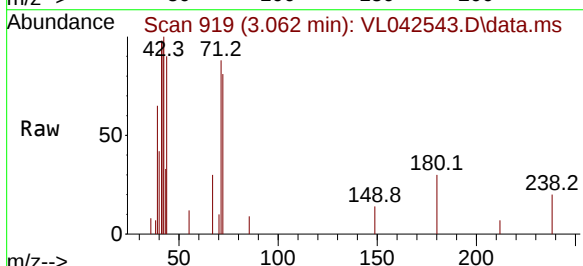
Tgt Ion: 42 Resp: 924

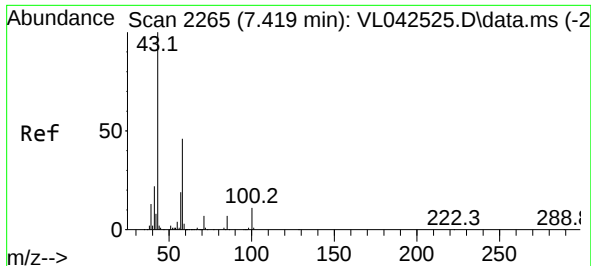
Ion Ratio Lower Upper

42 100

72 0.0 32.7 49.1#

71 0.0 30.4 45.6#

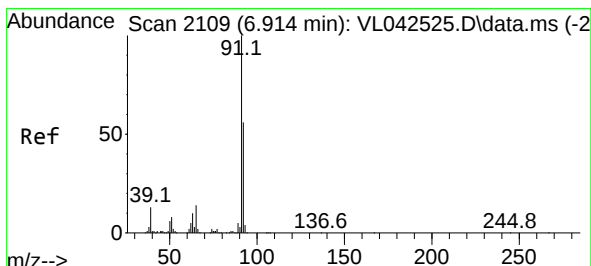
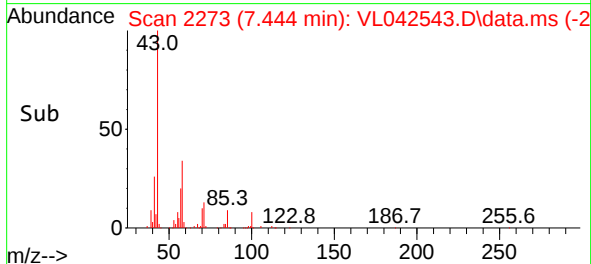
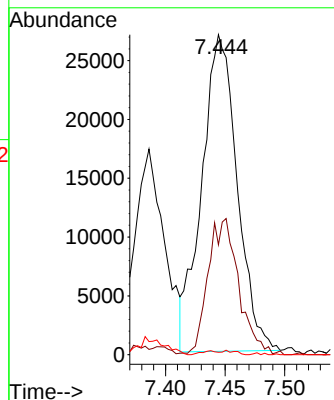
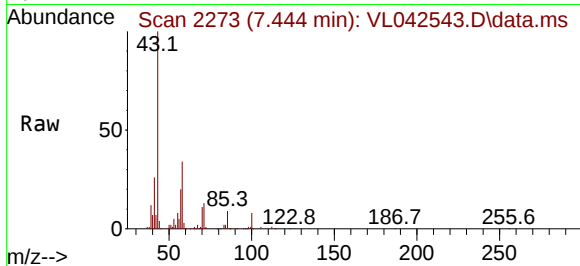




#51
2-Hexanone
Concen: 2.525 ppbv
RT: 7.444 min Scan# 2118
Delta R.T. 0.026 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

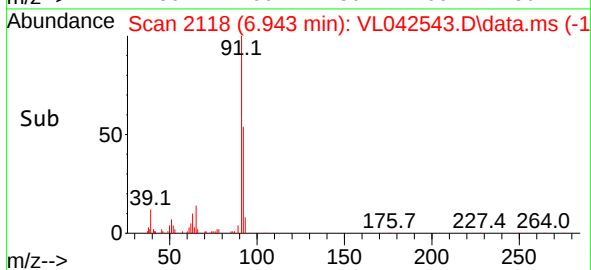
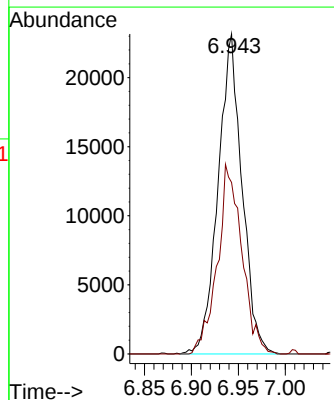
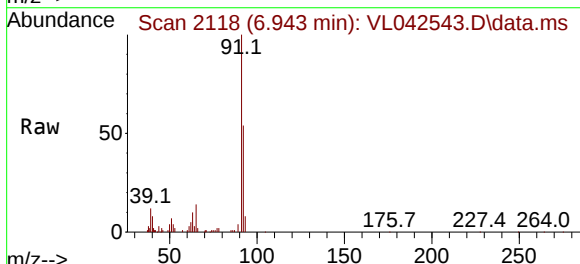
Instrument :
MSVOA_L
ClientSampleId :
SV1

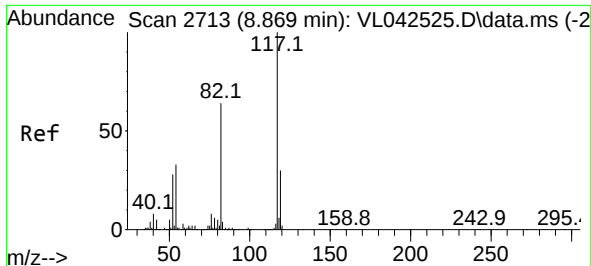
Tgt Ion: 43 Resp: 55848
Ion Ratio Lower Upper
43 100
58 37.2 37.5 56.3#
98 1.2 0.9 1.3



#53
Toluene
Concen: 1.229 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.029 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

Tgt Ion: 91 Resp: 41032
Ion Ratio Lower Upper
91 100
92 60.5 47.8 71.6

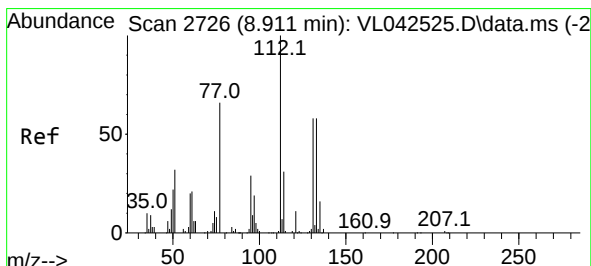
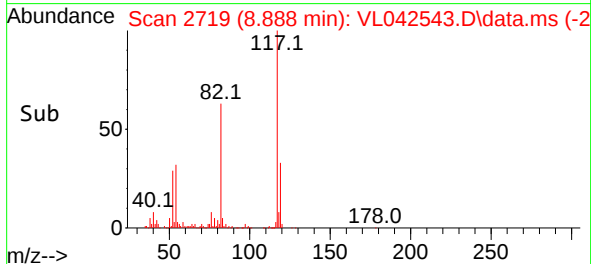
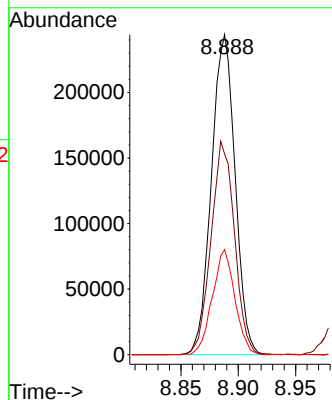
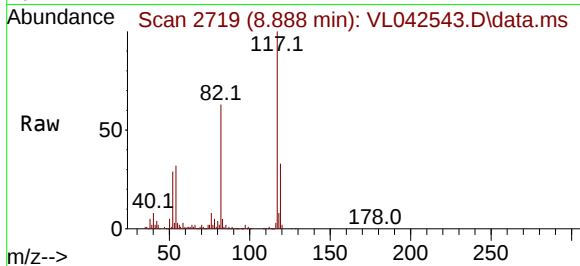




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.019 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

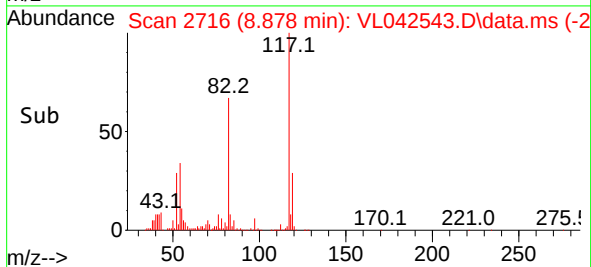
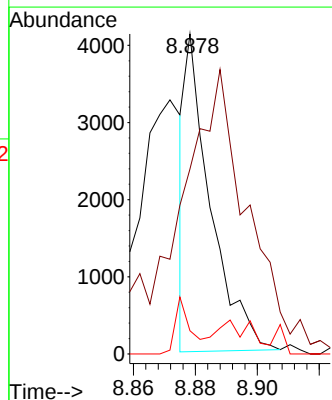
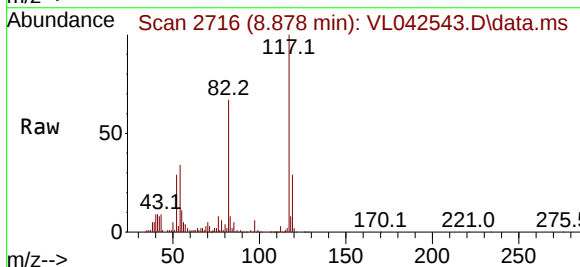
Instrument :
MSVOA_L
ClientSampleId :
SV1

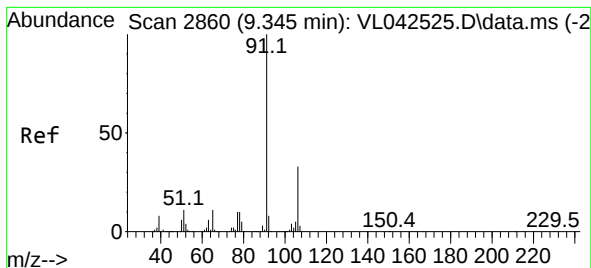
Tgt Ion:117 Resp: 350637
Ion Ratio Lower Upper
117 100
82 66.1 55.0 82.4
119 31.4 25.8 38.6



#57
Chlorobenzene
Concen: 0.065 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.033 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

Tgt Ion:112 Resp: 2304
Ion Ratio Lower Upper
112 100
77 45.3 53.6 80.4#
114 0.0 28.2 34.4#





#58

Ethyl Benzene

Concen: 0.807 ppbv

RT: 9.361 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Instrument :

MSVOA_L

ClientSampleId :

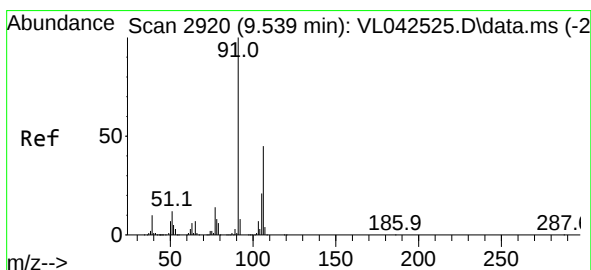
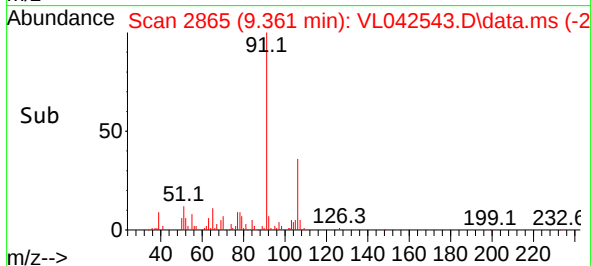
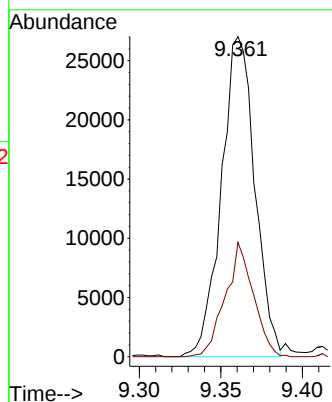
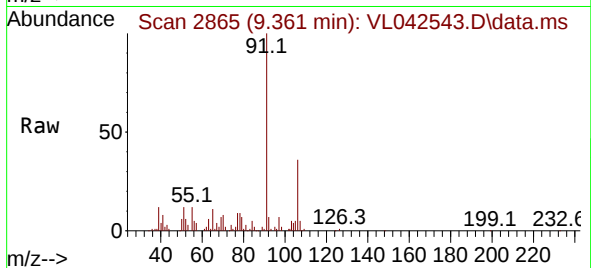
SV1

Tgt Ion: 91 Resp: 38568

Ion Ratio Lower Upper

91 100

106 35.7 26.0 39.0



#59

m/p-Xylene

Concen: 2.058 ppbv

RT: 9.535 min Scan# 2919

Delta R.T. -0.003 min

Lab File: VL042543.D

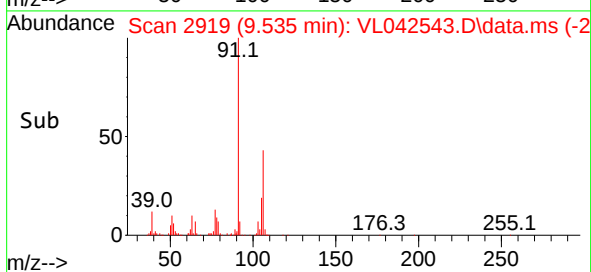
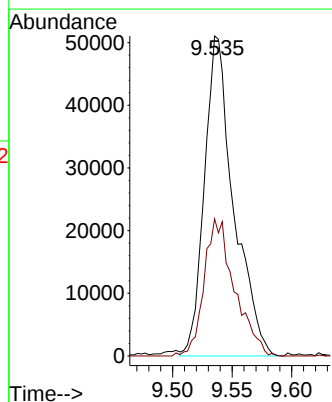
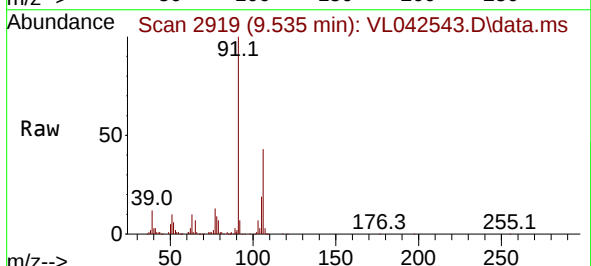
Acq: 14 May 2025 15:22

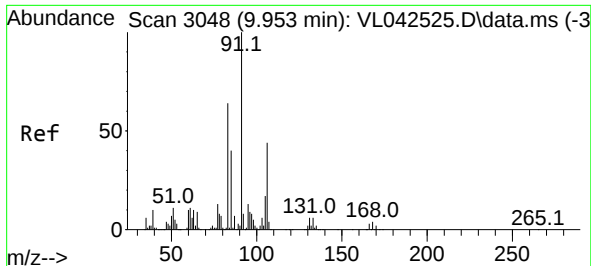
Tgt Ion: 91 Resp: 87346

Ion Ratio Lower Upper

91 100

106 44.5 0.0 0.0#





#60

o-Xylene

Concen: 1.243 ppbv

RT: 9.966 min Scan# 3048

Delta R.T. 0.013 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Instrument :

MSVOA_L

ClientSampleId :

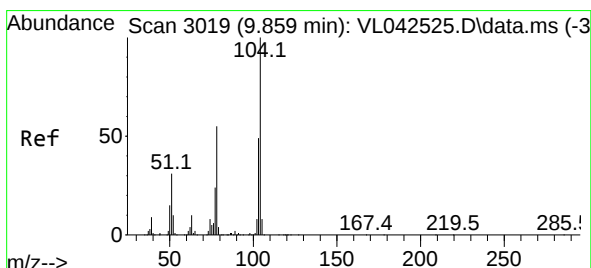
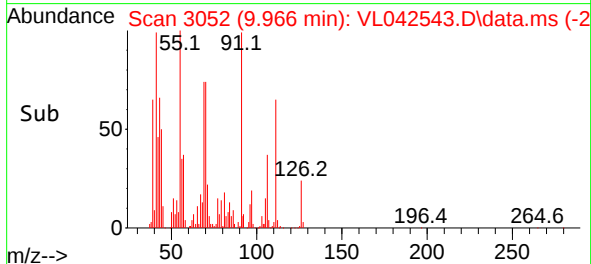
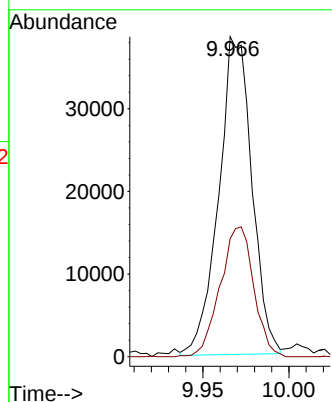
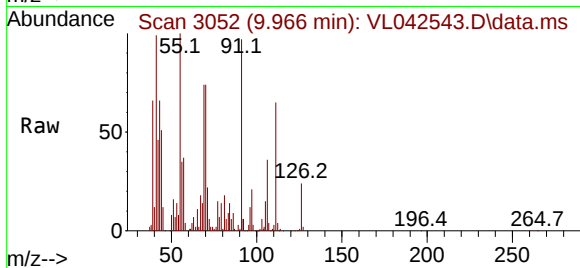
SV1

Tgt Ion: 91 Resp: 51527

Ion Ratio Lower Upper

91 100

106 41.3 21.6 64.6



#61

Styrene

Concen: 0.059 ppbv

RT: 9.872 min Scan# 3023

Delta R.T. 0.013 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

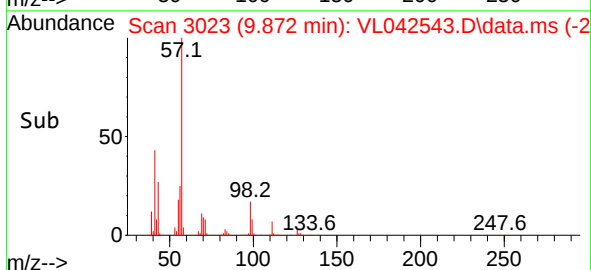
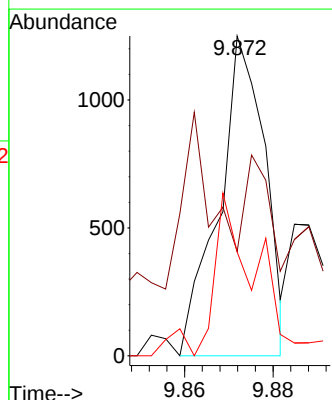
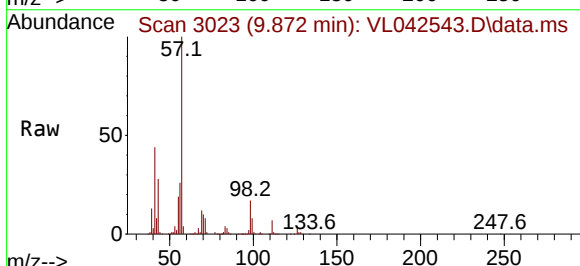
Tgt Ion: 104 Resp: 905

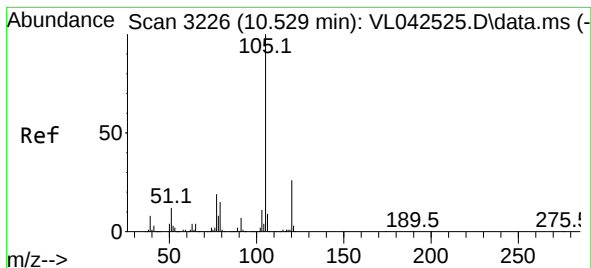
Ion Ratio Lower Upper

104 100

78 0.0 44.7 67.1#

103 48.8 38.6 58.0





#62

Isopropylbenzene

Concen: 0.381 ppbv

RT: 10.545 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Instrument :

MSVOA_L

ClientSampleId :

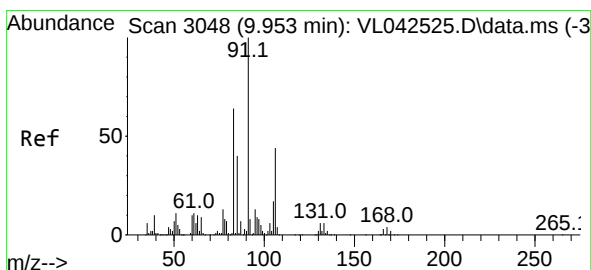
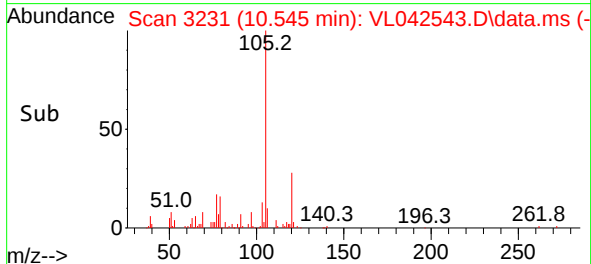
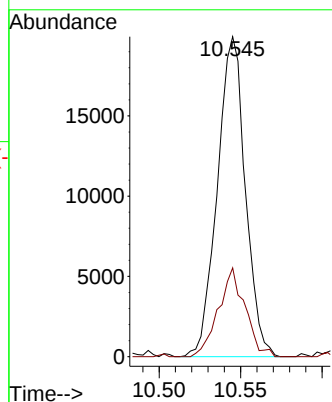
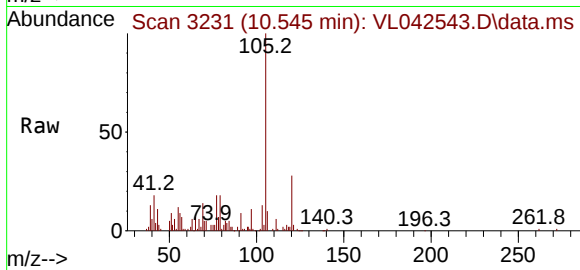
SV1

Tgt Ion:105 Resp: 23812

Ion Ratio Lower Upper

105 100

120 26.4 20.1 30.1



#63

1,1,2,2-Tetrachloroethane

Concen: 0.153 ppbv

RT: 9.988 min Scan# 3059

Delta R.T. 0.035 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

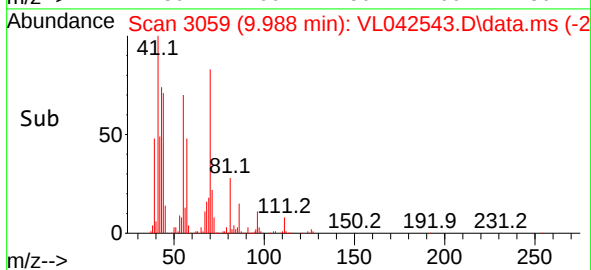
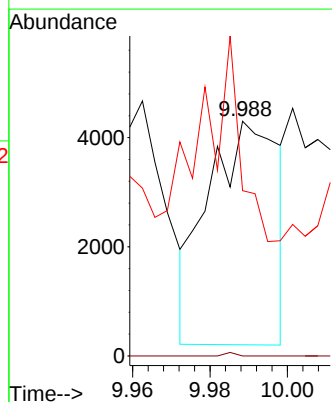
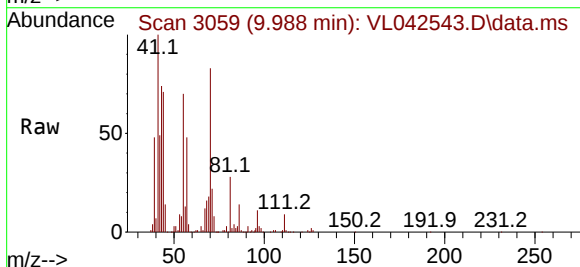
Tgt Ion: 83 Resp: 5132

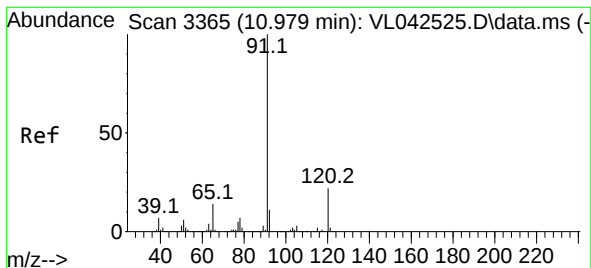
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 205.9 32.3 96.8#





#64

n-propylbenzene

Concen: 0.900 ppbv

RT: 10.992 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Instrument :

MSVOA_L

ClientSampleId :

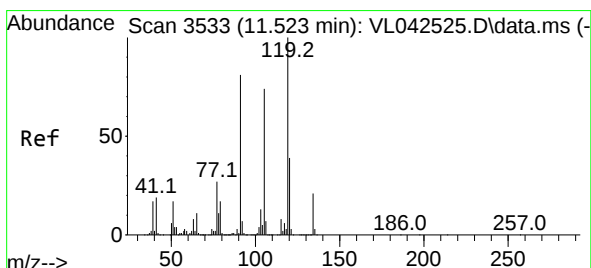
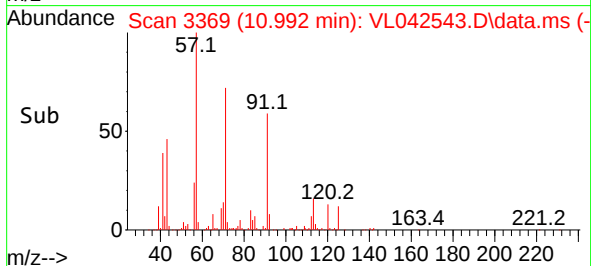
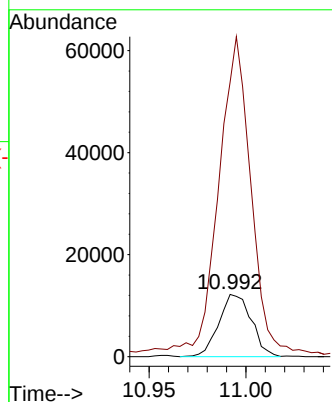
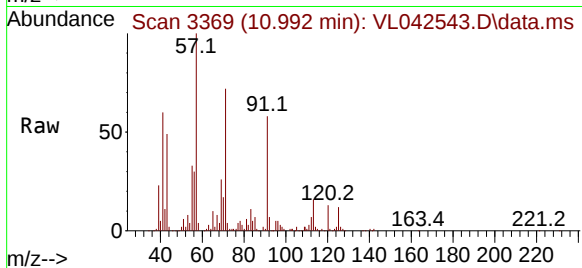
SV1

Tgt Ion:120 Resp: 14270

Ion Ratio Lower Upper

120 100

91 499.0 377.7 566.5



#65

tert-Butylbenzene

Concen: 0.200 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.016 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

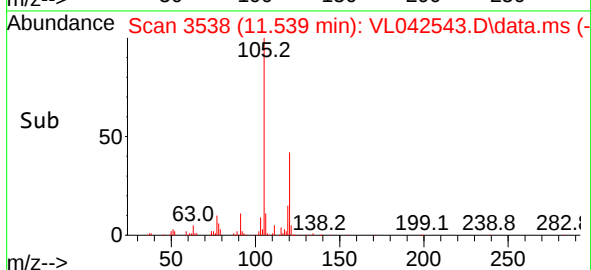
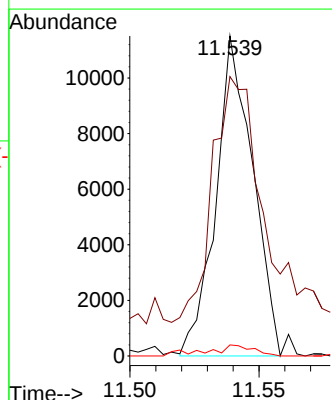
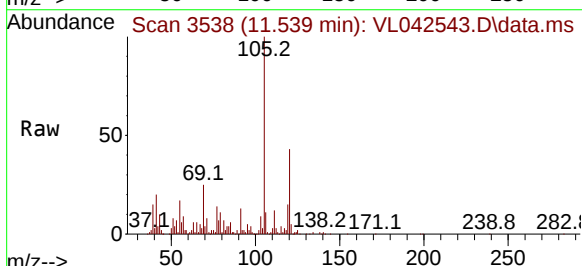
Tgt Ion:119 Resp: 11461

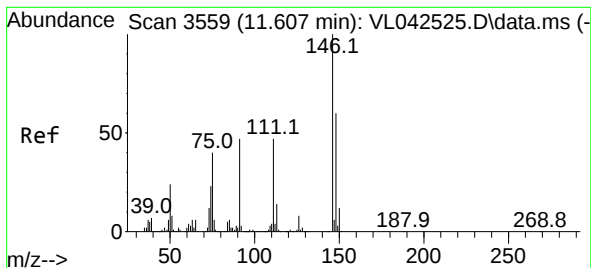
Ion Ratio Lower Upper

119 100

91 145.8 66.6 99.8#

134 4.3 16.3 24.5#





#66

Benzyl Chloride

Concen: 0.055 ppbv

RT: 11.629 min Scan# 3559

Delta R.T. 0.022 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Instrument :

MSVOA_L

ClientSampleId :

SV1

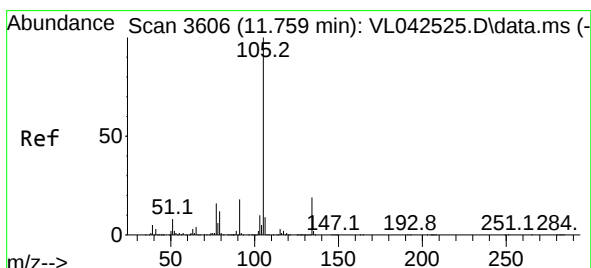
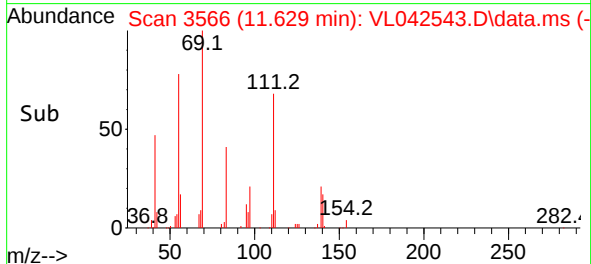
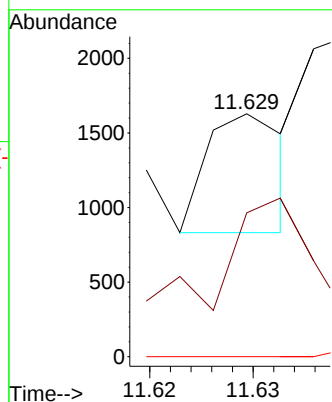
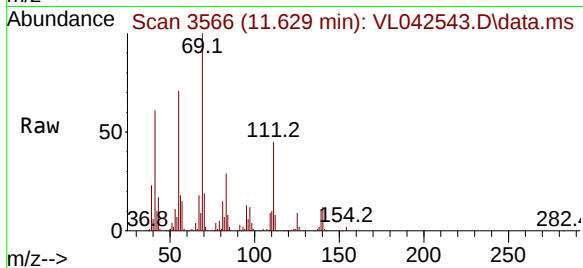
Tgt Ion: 91 Resp: 417

Ion Ratio Lower Upper

91 100

126 392.1 13.7 20.5#

128 0.0 4.2 6.2#



#67

sec-Butylbenzene

Concen: 0.041 ppbv

RT: 12.047 min Scan# 3695

Delta R.T. 0.288 min

Lab File: VL042543.D

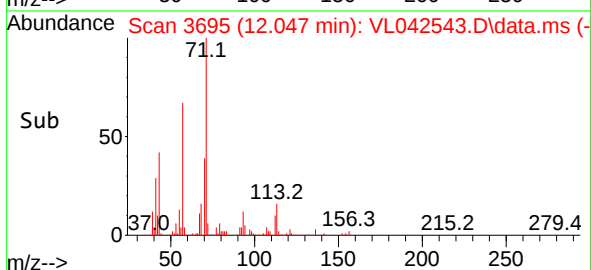
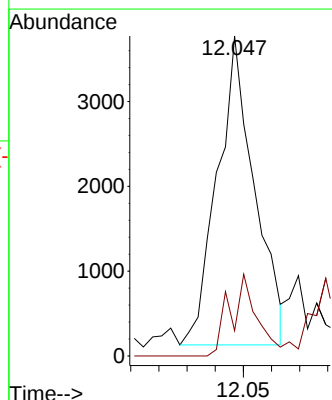
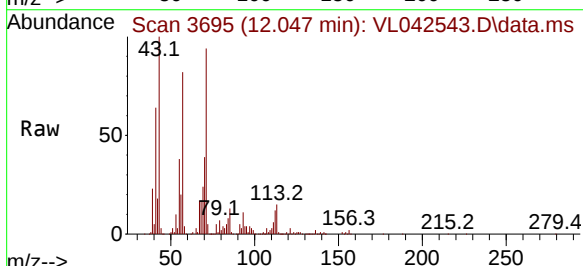
Acq: 14 May 2025 15:22

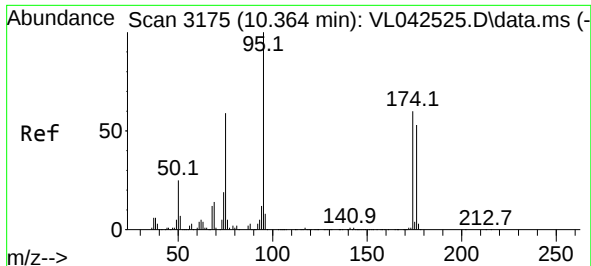
Tgt Ion: 105 Resp: 3334

Ion Ratio Lower Upper

105 100

134 20.6 14.9 22.3

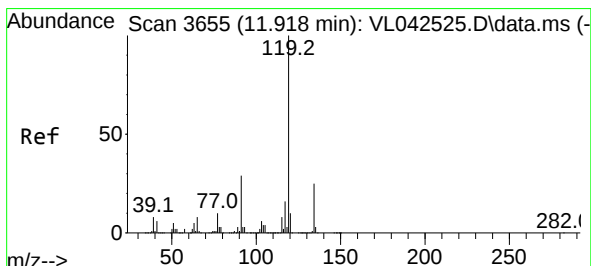
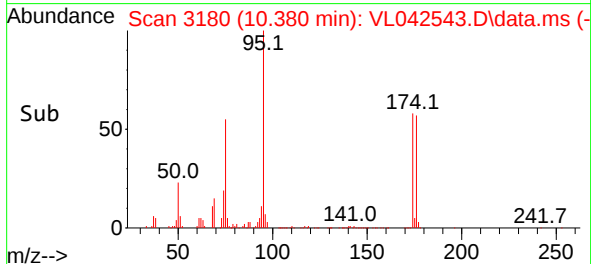
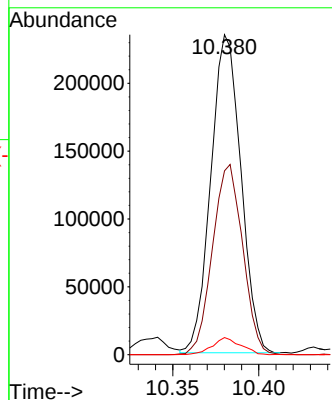
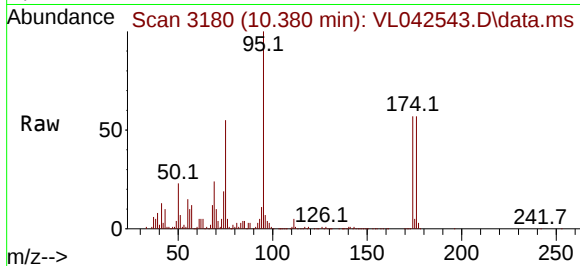




#68
1-Bromo-4-Fluorobenzene
Concen: 9.355 ppbv
RT: 10.380 min Scan# 3175
Delta R.T. 0.016 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

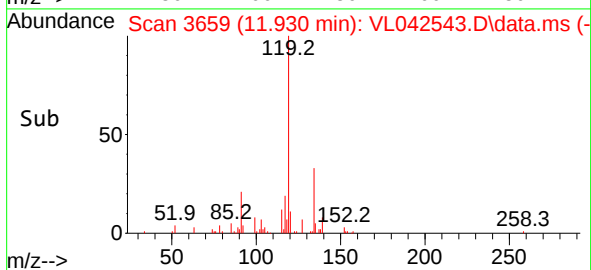
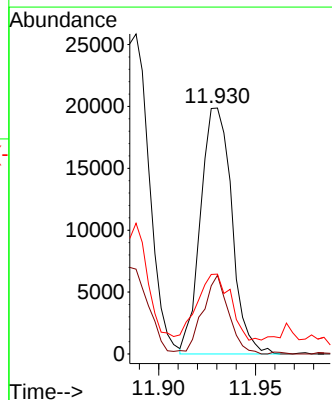
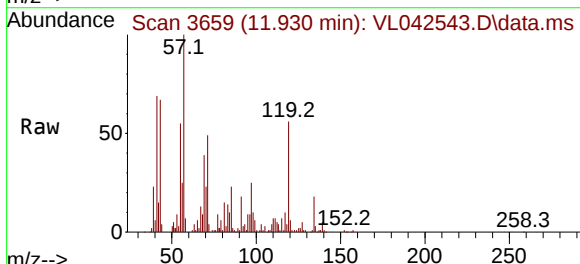
Instrument :
MSVOA_L
ClientSampleId :
SV1

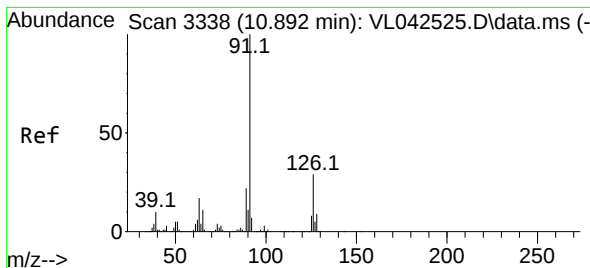
Tgt Ion: 95 Resp: 285416
Ion Ratio Lower Upper
95 100
174 59.9 48.0 72.0
175 5.1 3.5 5.3



#69
p-Isopropyltoluene
Concen: 0.330 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.013 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

Tgt Ion: 119 Resp: 22274
Ion Ratio Lower Upper
119 100
134 26.9 19.8 29.6
91 29.0 23.6 35.4

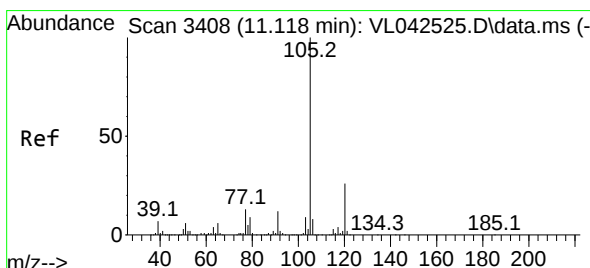
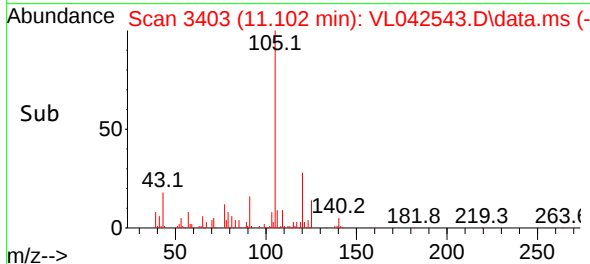
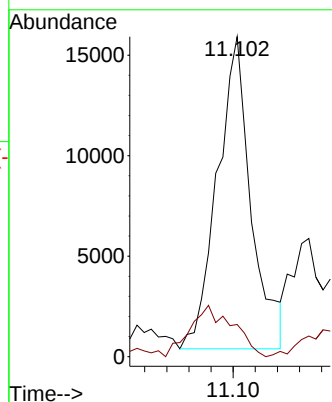
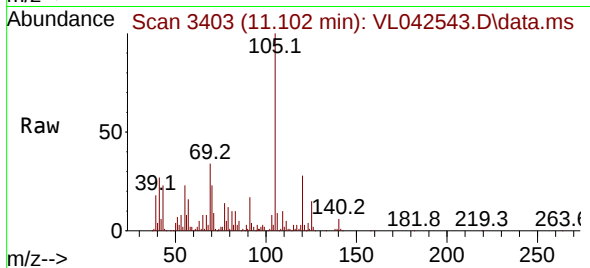




#71
2-Chlorotoluene
Concen: 0.348 ppbv
RT: 11.102 min Scan# 3403
Delta R.T. 0.210 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

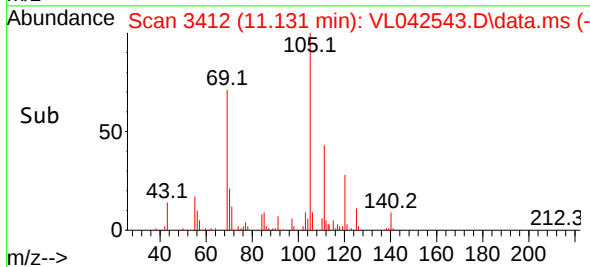
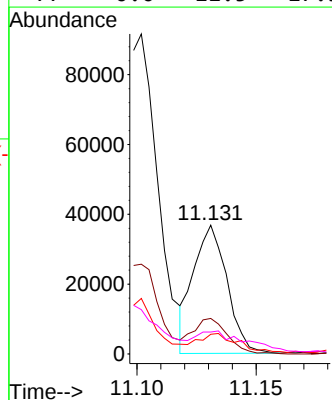
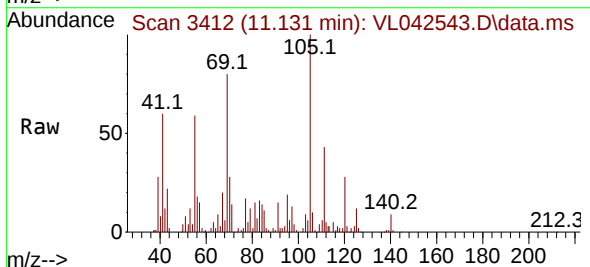
Instrument :
MSVOA_L
ClientSampleId :
SV1

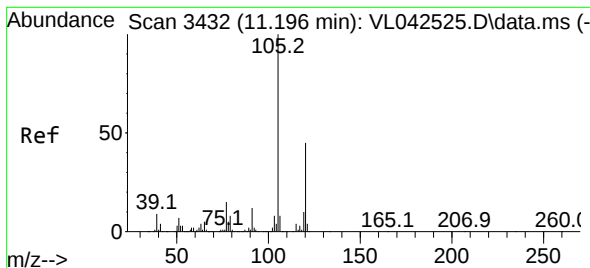
Tgt Ion: 91 Resp: 16459
Ion Ratio Lower Upper
91 100
126 23.9 11.4 45.6



#72
4-Ethyltoluene
Concen: 0.700 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.013 min
Lab File: VL042543.D
Acq: 14 May 2025 15:22

Tgt Ion: 105 Resp: 35977
Ion Ratio Lower Upper
105 100
120 0.0 22.9 34.3#
91 0.0 10.9 16.3#
77 0.0 11.5 17.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.930 ppbv

RT: 11.209 min Scan# 3432

Delta R.T. 0.013 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Instrument :

MSVOA_L

ClientSampleId :

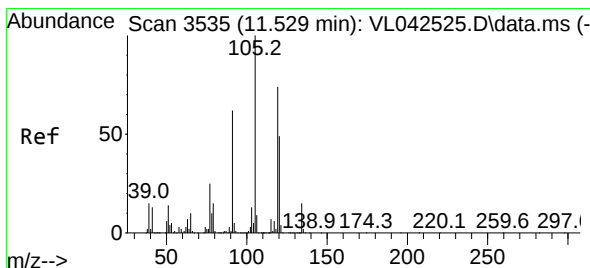
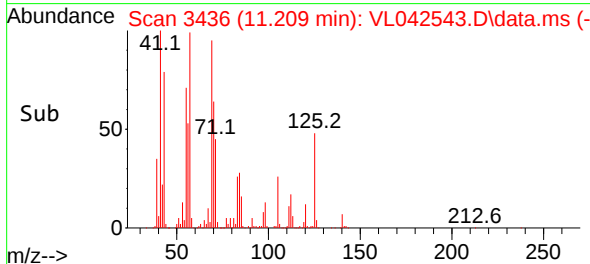
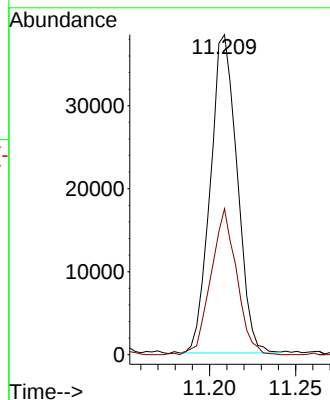
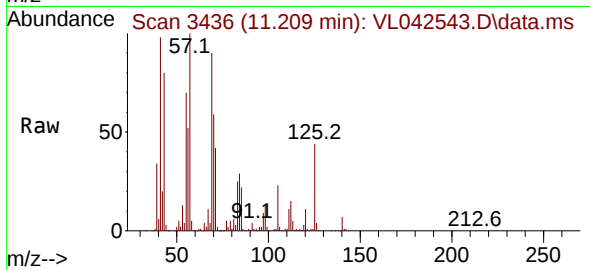
SV1

Tgt Ion:105 Resp: 41636

Ion Ratio Lower Upper

105 100

120 45.8 36.0 54.0



#74

1,2,4-Trimethylbenzene

Concen: 1.623 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.013 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Tgt Ion:105 Resp: 89411

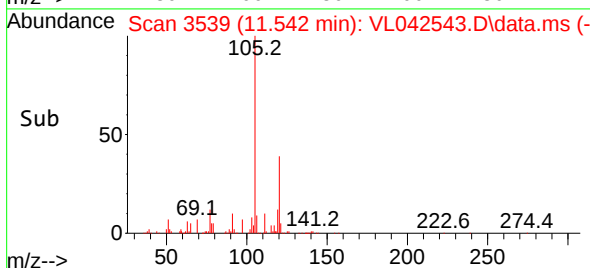
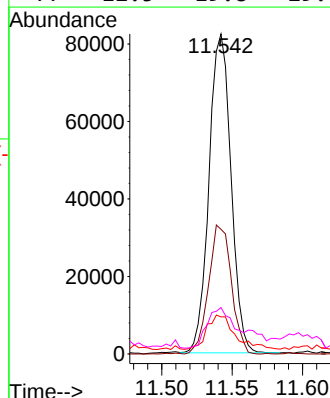
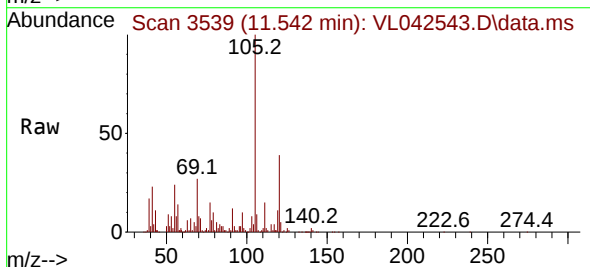
Ion Ratio Lower Upper

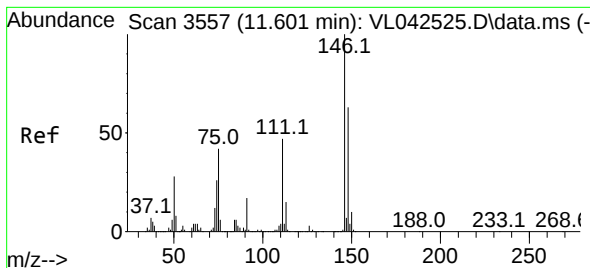
105 100

120 38.9 39.0 58.6#

91 10.1 49.4 74.2#

77 12.5 19.8 29.6#





#75

1,3-Dichlorobenzene

Concen: 0.145 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.074 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Instrument :

MSVOA_L

ClientSampleId :

SV1

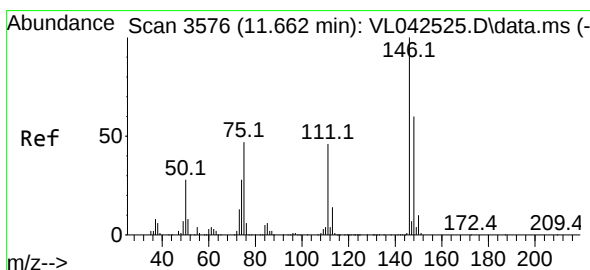
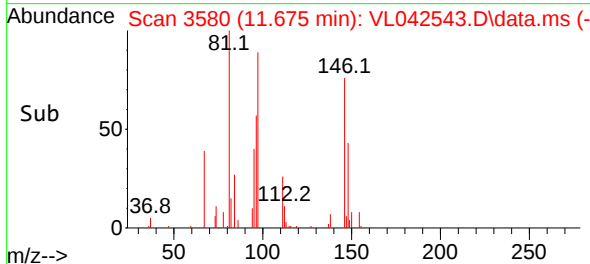
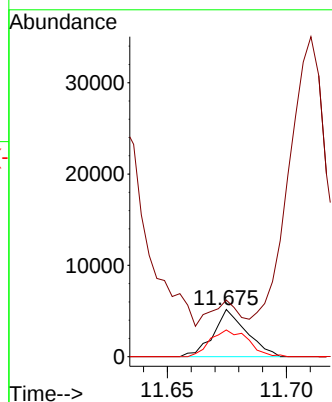
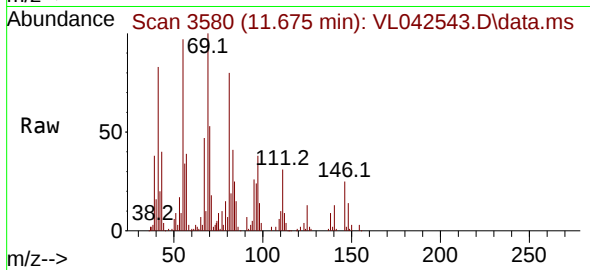
Tgt Ion:146 Resp: 4994

Ion Ratio Lower Upper

146 100

111 863.8 23.6 71.0#

148 65.0 31.6 94.8



#76

1,4-Dichlorobenzene

Concen: 0.152 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.013 min

Lab File: VL042543.D

Acq: 14 May 2025 15:22

Tgt Ion:146 Resp: 4994

Ion Ratio Lower Upper

146 100

111 864.8 23.4 70.3#

148 65.0 31.6 94.7

