

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043222.D
 Acq On : 18 Nov 2025 20:29
 Operator : SY/MD
 Sample : Q3651-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Nov 19 01:39:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	97422	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	255477	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	197025	10.000	ppbv	0.00

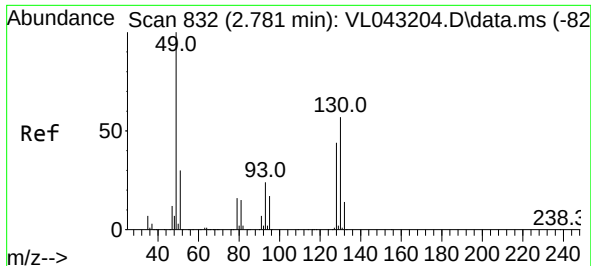
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	147087	10.185	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	1653	0.120	ppbv	93
3) Chlorodifluoromethane	1.457	51	10022	0.742	ppbv #	68
4) Chloromethane	1.531	50	206	0.040	ppbv #	77
7) Chloroethane	1.703	64	106	0.048	ppbv #	41
9) Propene	1.483	41	31623	5.511	ppbv #	1
10) Heptane	4.978	43	8680	0.508	ppbv #	33
13) Ethanol	1.884	45	262922	130.301	ppbv #	38
15) Acetone	1.835	43	387646	28.640	ppbv	98
16) 1,3-Butadiene	1.615	39	10050	1.665	ppbv #	12
17) tert-Butyl alcohol	1.884	59	9851	0.554	ppbv	100
19) Isopropyl Alcohol	1.884	45	262922	34.376	ppbv	96
20) Methylene Chloride	2.068	84	591192	160.005	ppbv	91
21) Allyl Chloride	2.068	41	22742	2.497	ppbv #	21
23) Vinyl Acetate	2.483	43	2268	0.139	ppbv #	56
25) Ethyl Acetate	2.836	43	215424	7.379	ppbv	98
26) Hexane	2.832	57	66474	5.194	ppbv #	59
27) Carbon Disulfide	2.143	76	3146	0.241	ppbv #	63
30) Cyclohexane	3.862	84	3485	0.325	ppbv #	82
31) cis-1,2-Dichloroethene	2.836	61	20418	1.605	ppbv #	26
34) 2-Butanone	2.560	43	8685	0.482	ppbv	99
36) Benzene	3.664	78	6086	0.249	ppbv #	92
39) 1,2-Dichloropropane	3.955	63	67332	7.519	ppbv #	25
40) 1,4-Dioxane	4.587	88	1783	0.443	ppbv #	18
41) Tetrahydrofuran	3.062	42	2046	0.205	ppbv #	37
51) 2-Hexanone	7.415	43	14182	0.719	ppbv #	57
53) Toluene	6.930	91	88387	3.051	ppbv	97
57) Chlorobenzene	8.862	112	6456	0.319	ppbv #	53
58) Ethyl Benzene	9.351	91	11657	0.307	ppbv #	82
59) m/p-Xylene	9.529	91	25042	0.824	ppbv	100
60) o-Xylene	9.956	91	12246	0.403	ppbv	93
62) Isopropylbenzene	10.532	105	4143	0.076	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.943	83	5735	0.297	ppbv #	55
66) Benzyl Chloride	11.620	91	229	0.047	ppbv #	1
67) sec-Butylbenzene	11.879	105	2076	0.031	ppbv	99
71) 2-Chlorotoluene	10.982	91	4766	0.114	ppbv	83
72) 4-Ethyltoluene	11.118	105	2628	0.071	ppbv #	45
73) 1,3,5-Trimethylbenzene	11.199	105	4030	0.130	ppbv	99
74) 1,2,4-Trimethylbenzene	11.529	105	7787	0.230	ppbv #	48
80) Naphthalene,2-methyl-	14.462	142	309	0.039	ppbv #	8

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

Quant Time: Nov 19 01:39:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

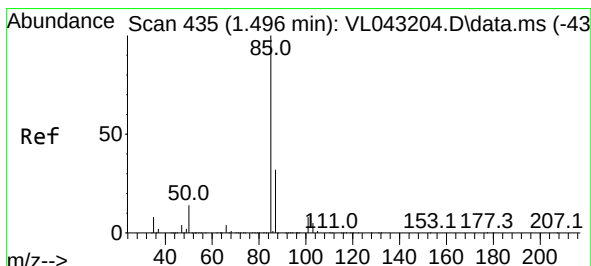
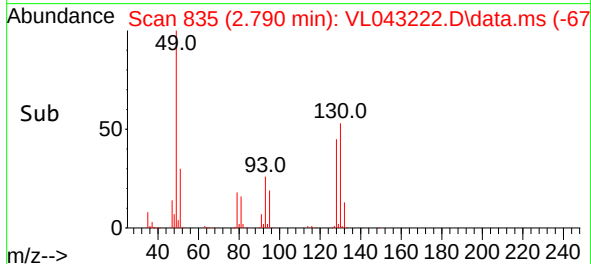
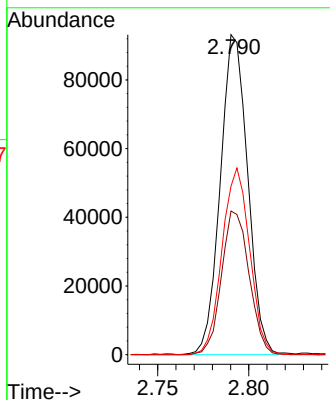
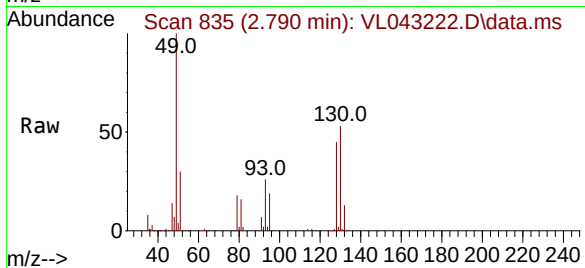




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

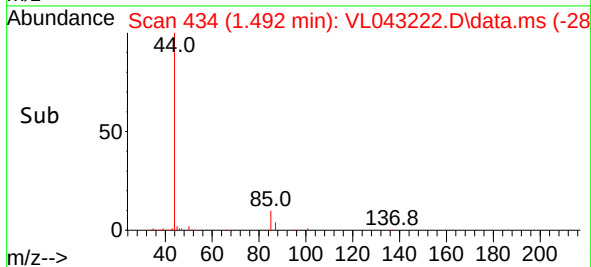
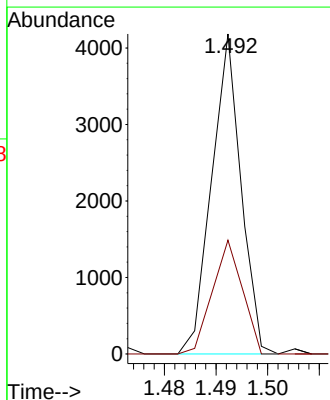
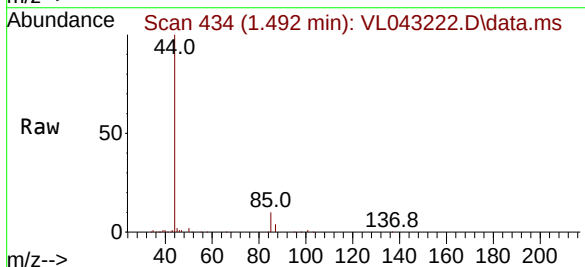
Instrument :
MSVOA_L
ClientSampleId :
SV1

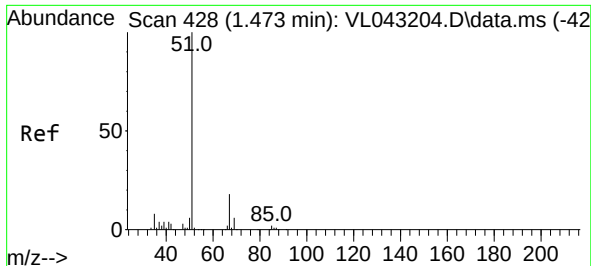
Tgt Ion: 49 Resp: 97422
Ion Ratio Lower Upper
49 100
128 45.2 23.0 69.0
130 58.8 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.003 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 85 Resp: 1653
Ion Ratio Lower Upper
85 100
87 35.5 25.4 38.2

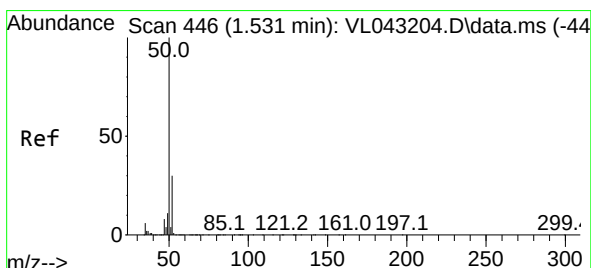
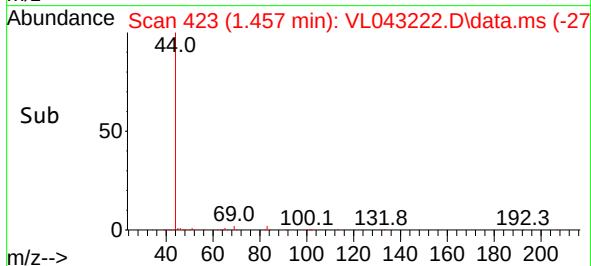
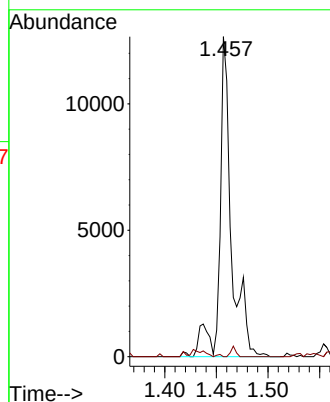
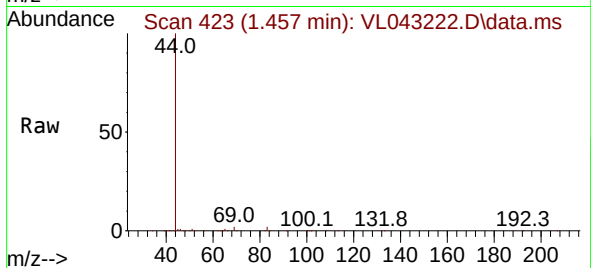




#3
Chlorodifluoromethane
Concen: 0.742 ppbv
RT: 1.457 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

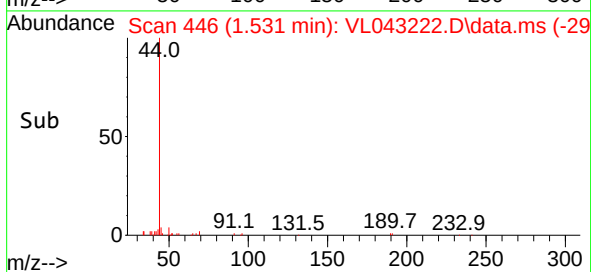
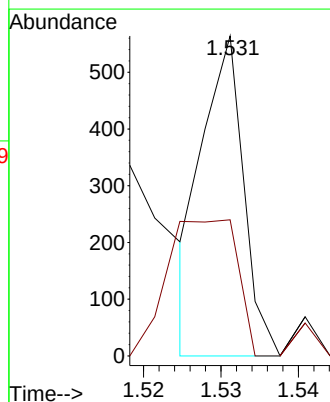
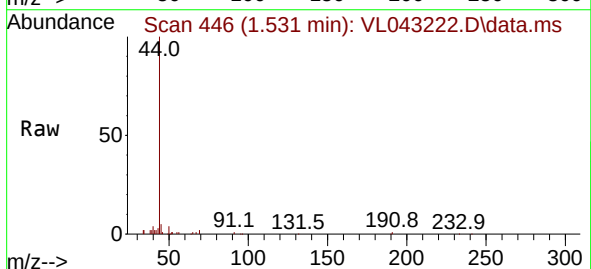
Instrument :
MSVOA_L
ClientSampleId :
SV1

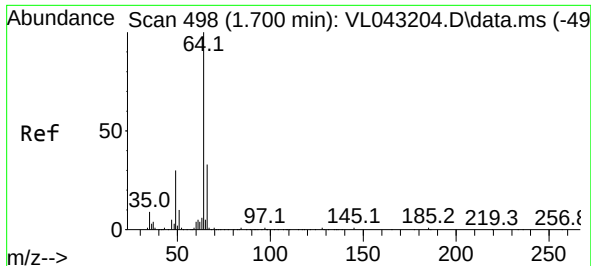
Tgt Ion: 51 Resp: 10022
Ion Ratio Lower Upper
51 100
67 4.4 14.9 22.3#



#4
Chloromethane
Concen: 0.040 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 50 Resp: 206
Ion Ratio Lower Upper
50 100
52 42.6 24.1 36.1#

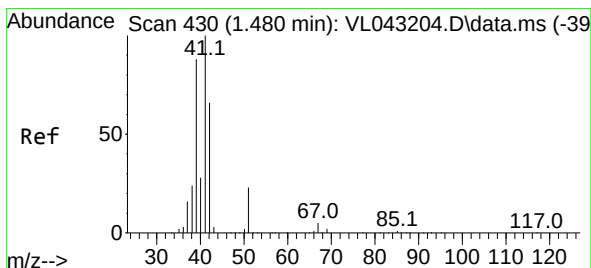
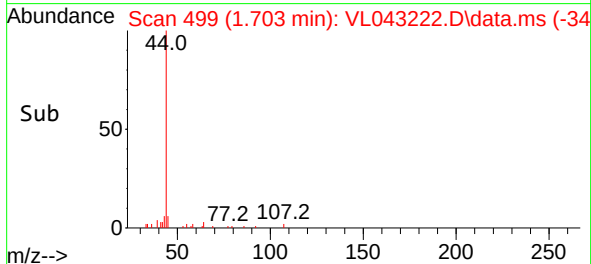
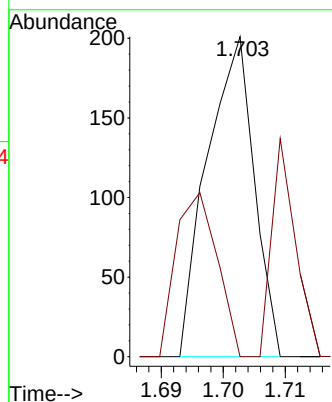
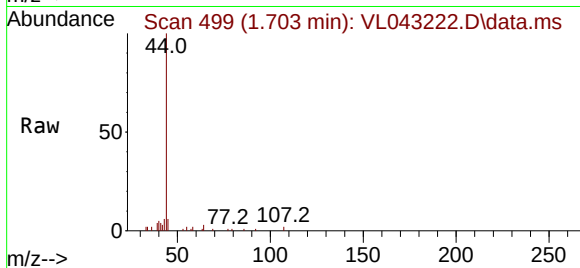




#7
Chloroethane
Concen: 0.048 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

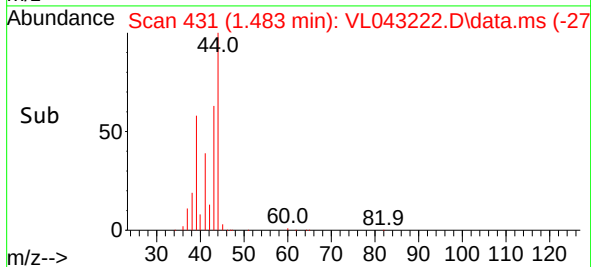
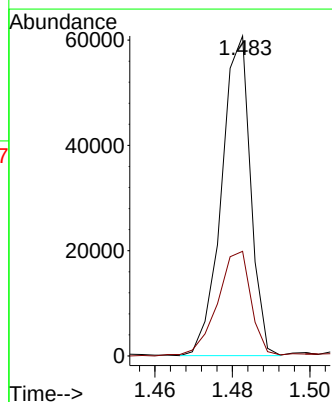
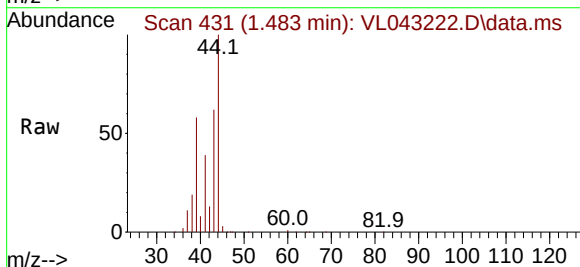
Instrument :
MSVOA_L
ClientSampleId :
SV1

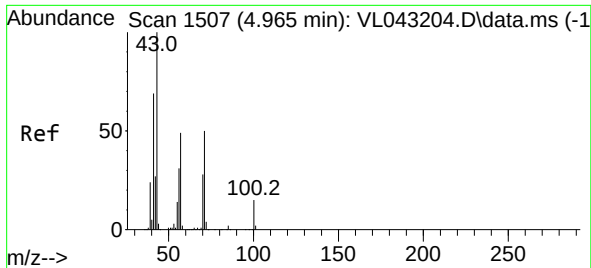
Tgt Ion: 64 Resp: 106
Ion Ratio Lower Upper
64 100
66 0.0 26.8 40.2#



#9
Propene
Concen: 5.511 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 41 Resp: 31623
Ion Ratio Lower Upper
41 100
42 39.1 3.7 5.5#

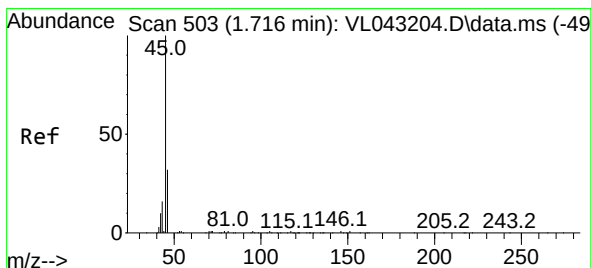
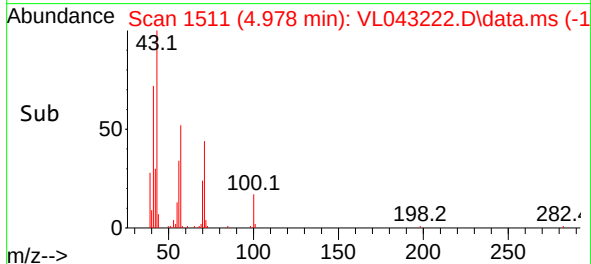
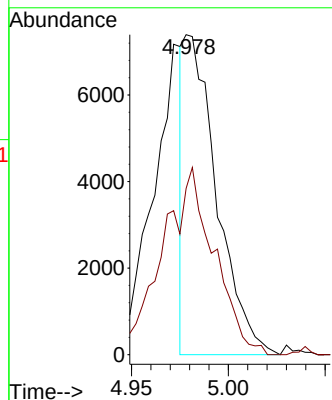
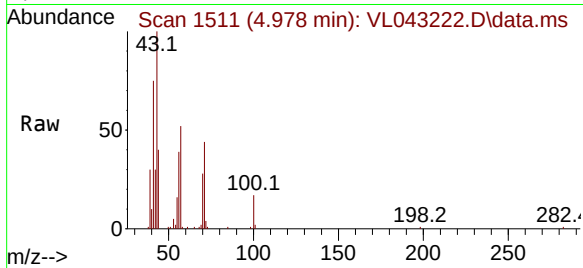




#10
Heptane
Concen: 0.508 ppbv
RT: 4.978 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

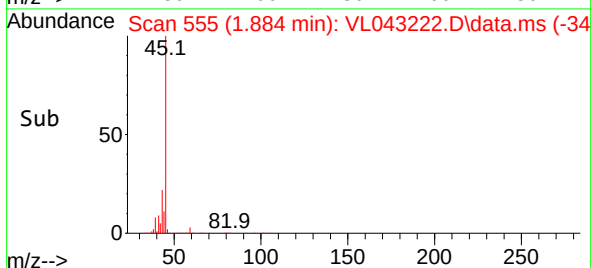
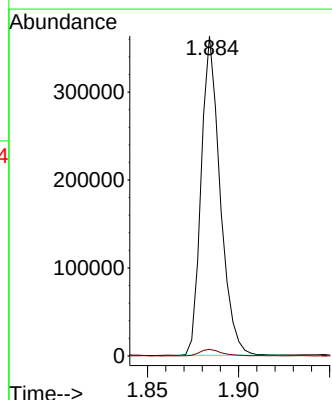
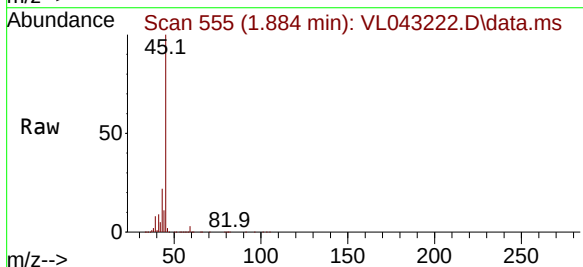
Instrument :
MSVOA_L
ClientSampleId :
SV1

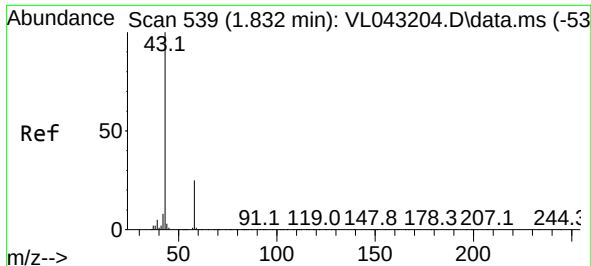
Tgt Ion: 43 Resp: 8680
Ion Ratio Lower Upper
43 100
57 95.8 39.7 59.5#



#13
Ethanol
Concen: 130.301 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.168 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 45 Resp: 262922
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8#

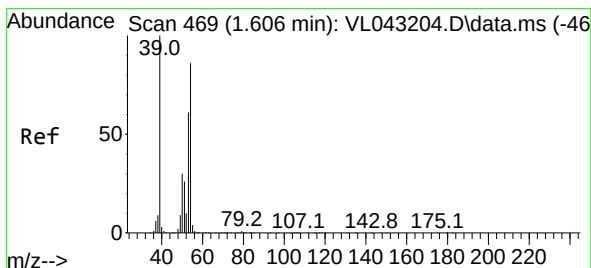
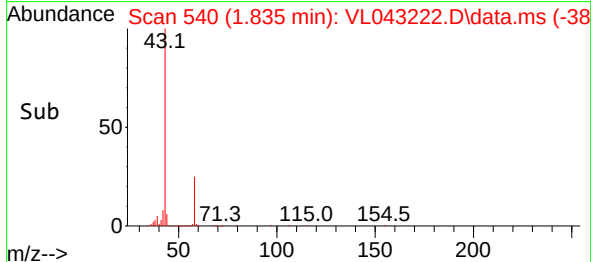
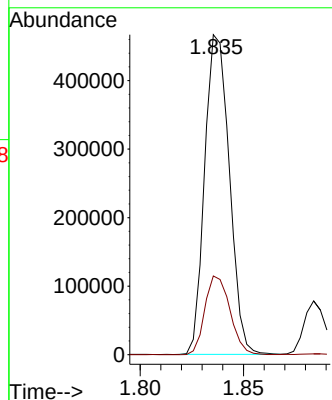
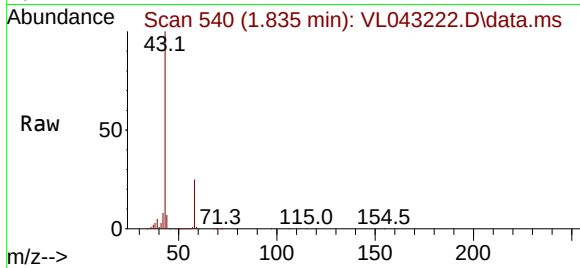




#15
Acetone
Concen: 28.640 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

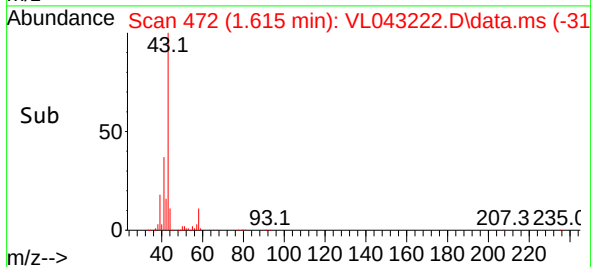
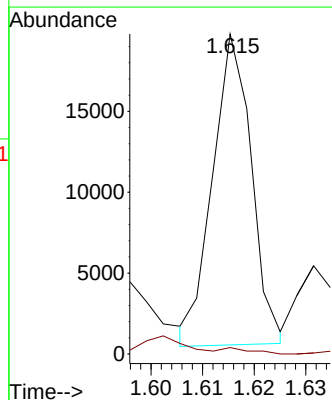
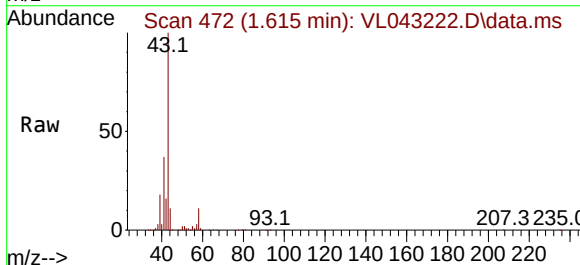
Instrument :
MSVOA_L
ClientSampleId :
SV1

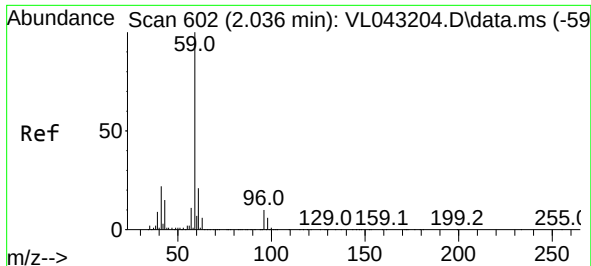
Tgt Ion: 43 Resp: 387646
Ion Ratio Lower Upper
43 100
58 25.0 20.7 31.1



#16
1,3-Butadiene
Concen: 1.665 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.009 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 39 Resp: 10050
Ion Ratio Lower Upper
39 100
54 0.0 59.4 89.2#

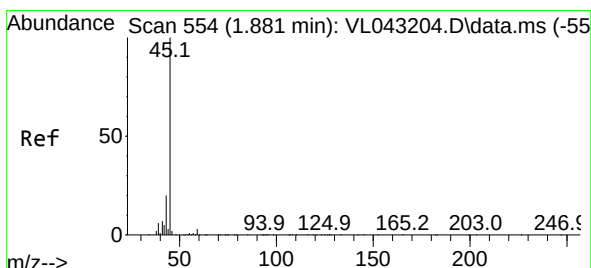
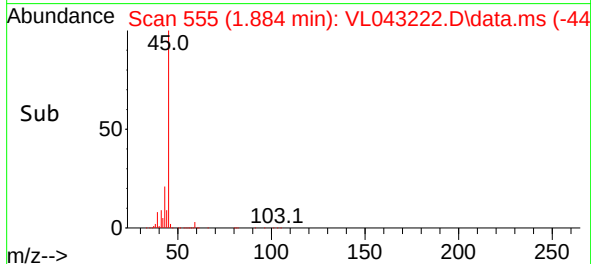
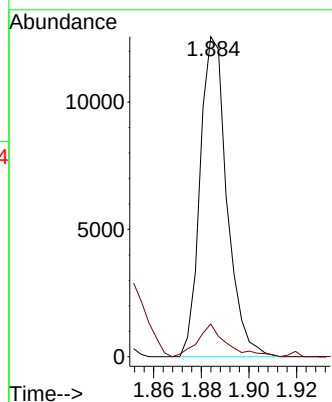
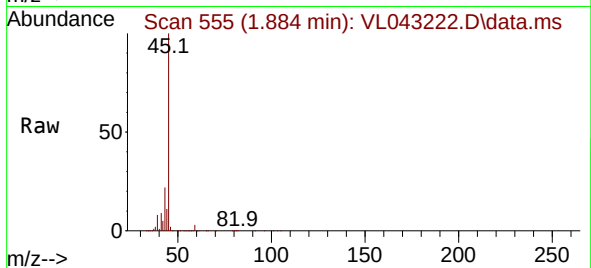




#17
tert-Butyl alcohol
Concen: 0.554 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.152 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

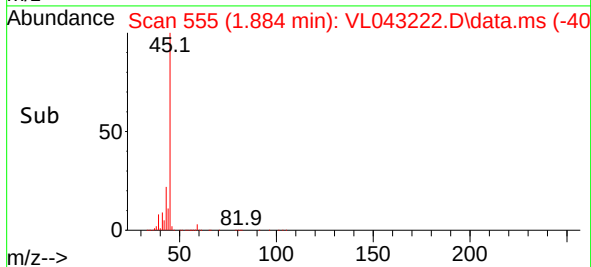
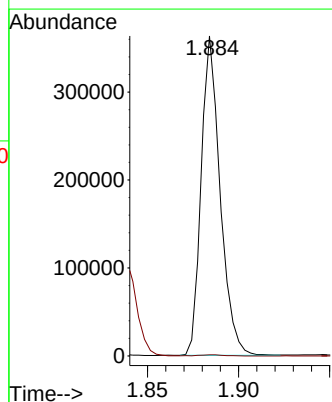
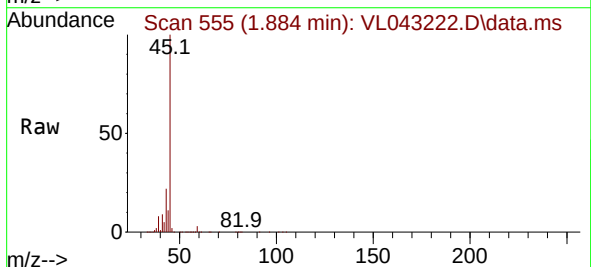
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MSVOA_1
ClientSampleId :
SV1

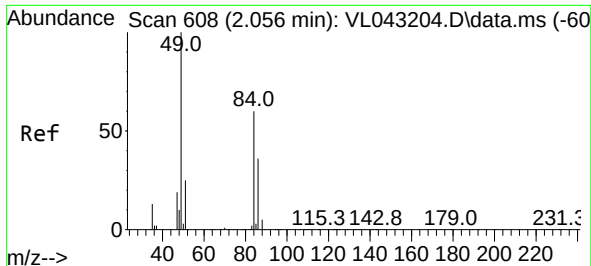
Tgt Ion: 59 Resp: 9851
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.4



#19
Isopropyl Alcohol
Concen: 34.376 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 45 Resp: 262922
Ion Ratio Lower Upper
45 100
58 36.9 31.3 46.9





#20

Methylene Chloride

Concen: 160.005 ppbv

RT: 2.068 min Scan# 612

Delta R.T. 0.012 min

Lab File: VL043222.D

Acq: 18 Nov 2025 20:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 84 Resp: 591192

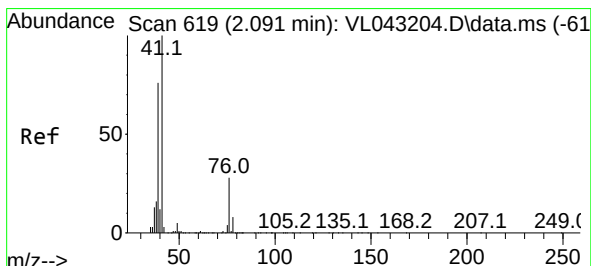
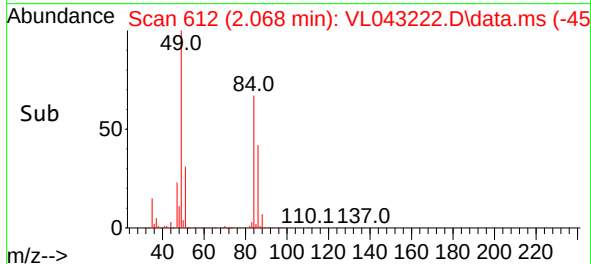
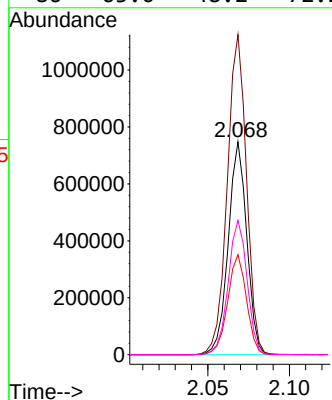
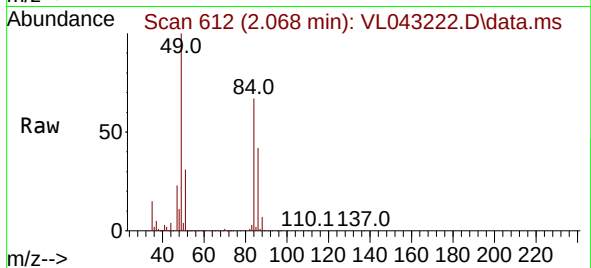
Ion Ratio Lower Upper

84 100

49 150.2 132.9 199.3

51 46.9 34.8 52.2

86 63.0 48.2 72.2



#21

Allyl Chloride

Concen: 2.497 ppbv

RT: 2.068 min Scan# 612

Delta R.T. -0.023 min

Lab File: VL043222.D

Acq: 18 Nov 2025 20:29

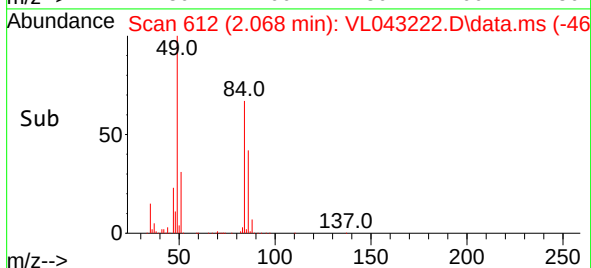
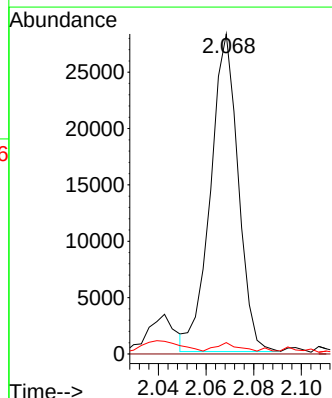
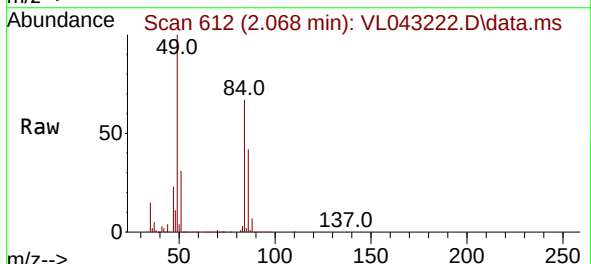
Tgt Ion: 41 Resp: 22742

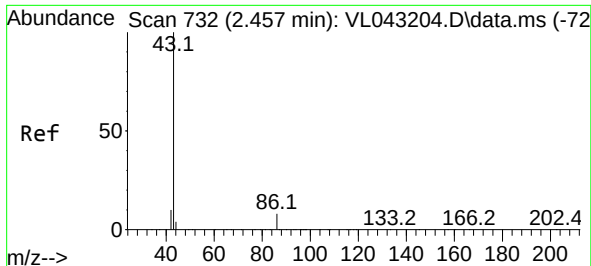
Ion Ratio Lower Upper

41 100

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39 0.0 61.0 91.4#

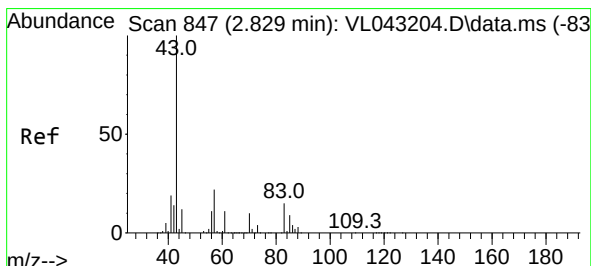
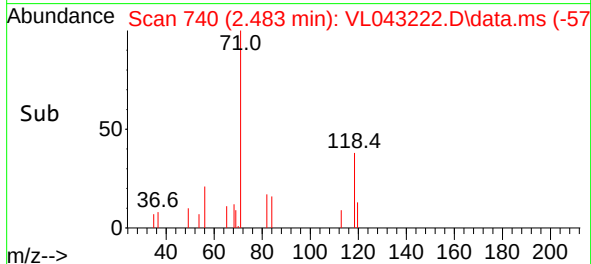
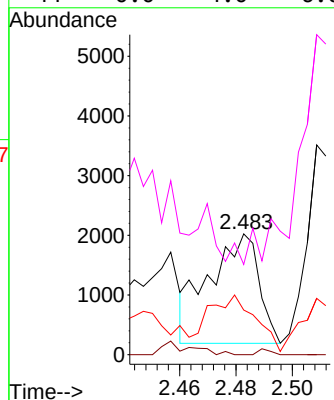
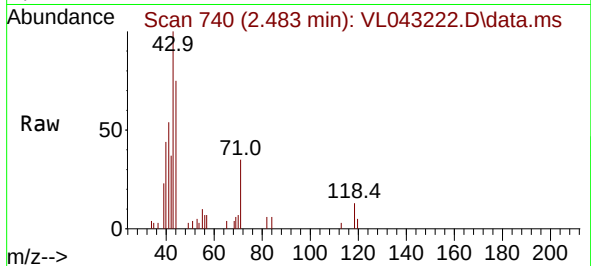




#23
 Vinyl Acetate
 Concen: 0.139 ppbv
 RT: 2.483 min Scan# 740
 Delta R.T. 0.026 min
 Lab File: VL043222.D
 Acq: 18 Nov 2025 20:29

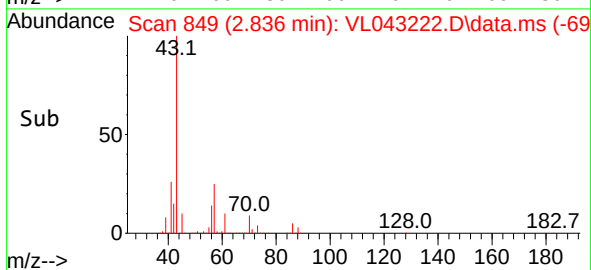
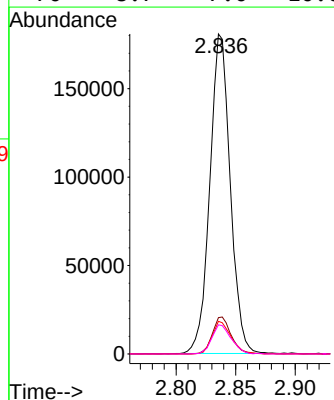
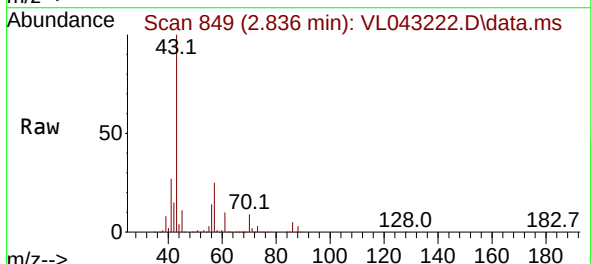
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

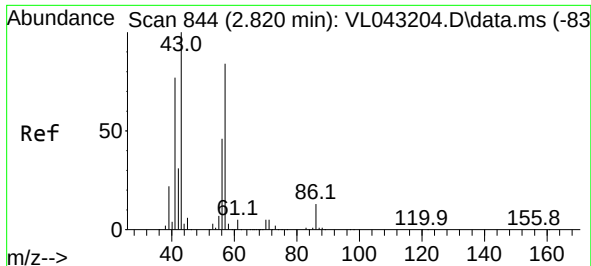
Tgt Ion: 43	Resp: 2268
Ion Ratio	Lower Upper
43 100	
86 0.0	6.2 9.2#
42 37.8	8.0 12.0#
44 0.0	4.0 6.0#



#25
 Ethyl Acetate
 Concen: 7.379 ppbv
 RT: 2.836 min Scan# 849
 Delta R.T. 0.006 min
 Lab File: VL043222.D
 Acq: 18 Nov 2025 20:29

Tgt	Ion: 43	Resp:	215424
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.1	12.1
61	9.5	7.0	10.4
70	8.7	7.0	10.6

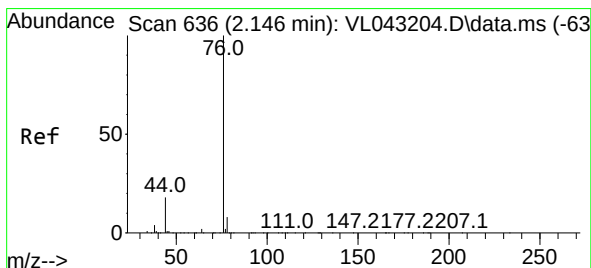
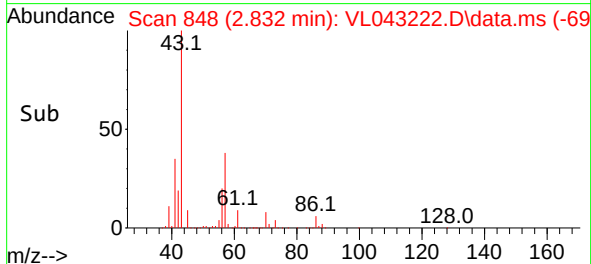
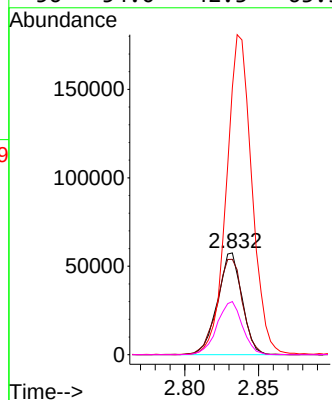
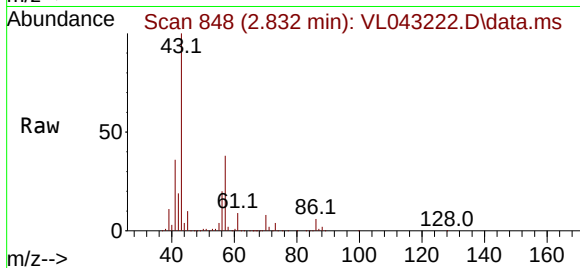




#26
Hexane
Concen: 5.194 ppbv
RT: 2.832 min Scan# 844
Delta R.T. 0.013 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

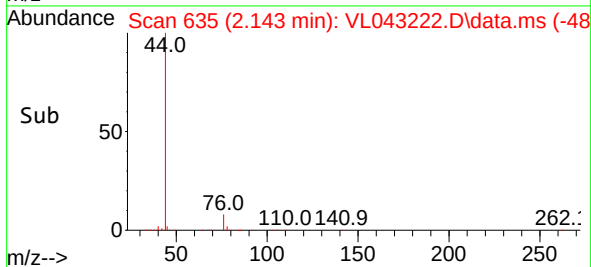
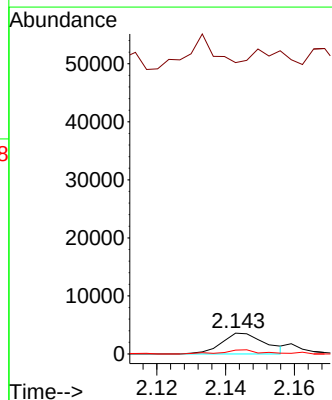
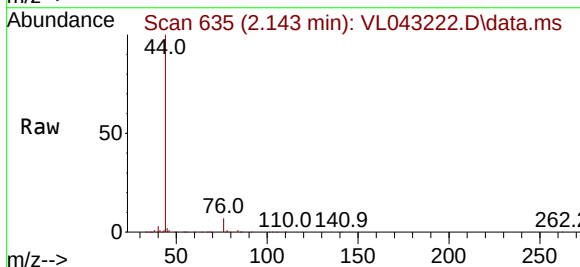
Instrument :
MSVOA_L
ClientSampleId :
SV1

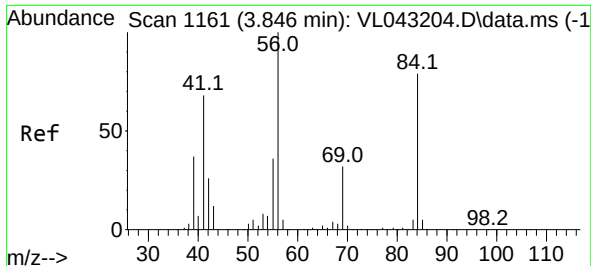
Tgt Ion: 57	Resp: 66474		
Ion	Ratio	Lower	Upper
57	100		
41	99.0	74.6	111.8
43	328.0	179.0	268.4#
56	54.0	42.3	63.5



#27
Carbon Disulfide
Concen: 0.241 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.004 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 76	Resp: 3146		
Ion Ratio	Lower	Upper	
76 100			
44 0.0	16.1	24.1#	
78 22.2	9.6	14.4#	

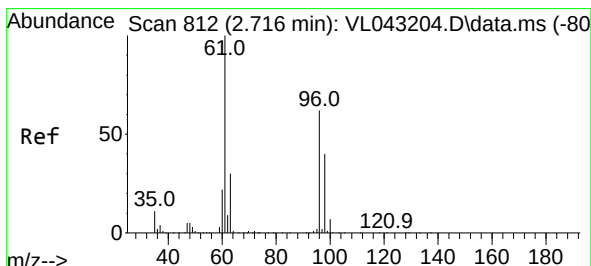
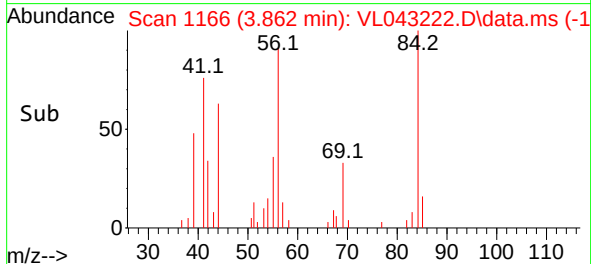
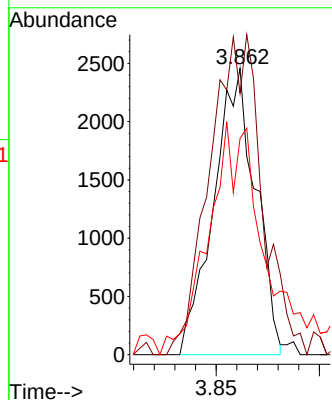
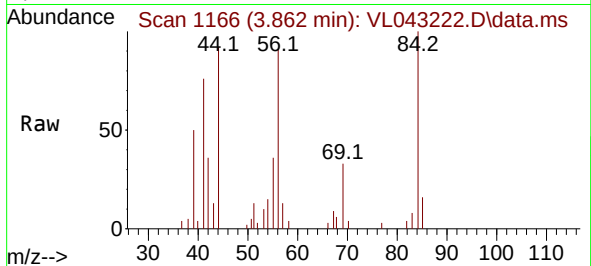




#30
Cyclohexane
Concen: 0.325 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.016 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

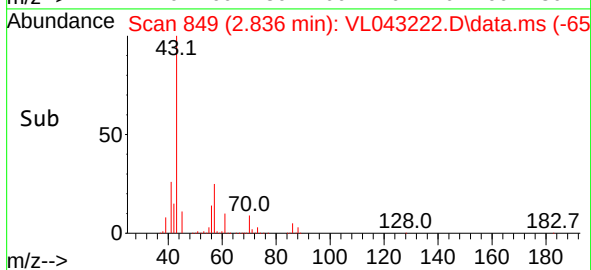
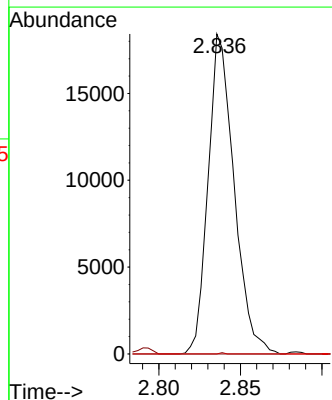
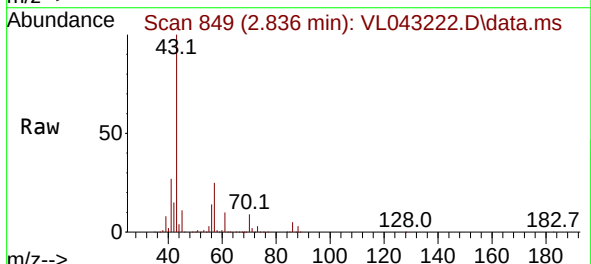
Instrument :
MSVOA_L
ClientSampleId :
SV1

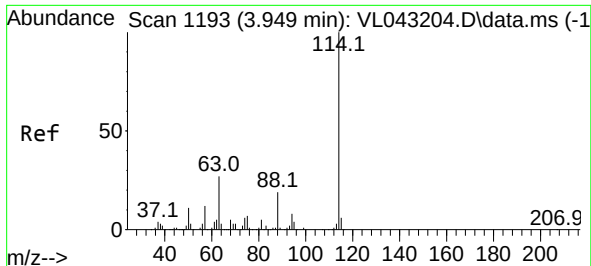
Tgt Ion: 84 Resp: 3485
Ion Ratio Lower Upper
84 100
56 142.3 104.7 157.1
41 115.2 69.0 103.6#



#31
cis-1,2-Dichloroethene
Concen: 1.605 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.119 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 61 Resp: 20418
Ion Ratio Lower Upper
61 100
96 0.0 49.3 73.9#
98 0.0 32.1 48.1#

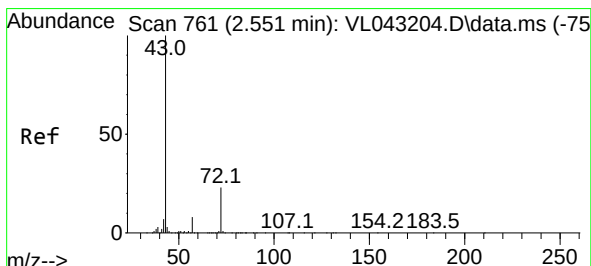
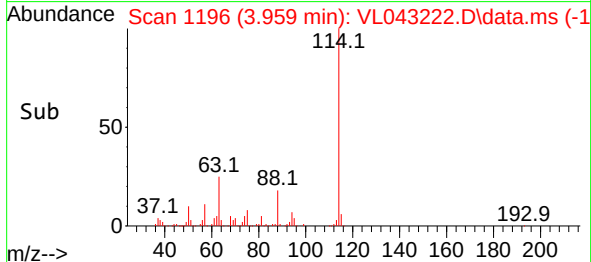
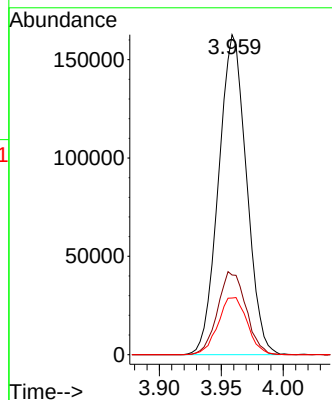
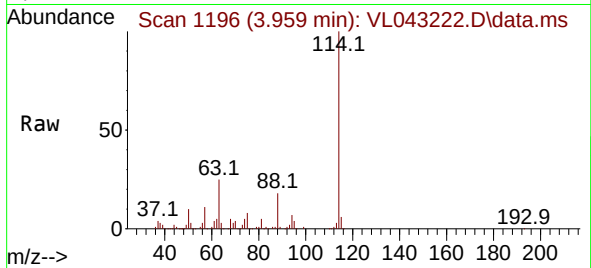




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. 0.009 min
 Lab File: VL043222.D
 Acq: 18 Nov 2025 20:29

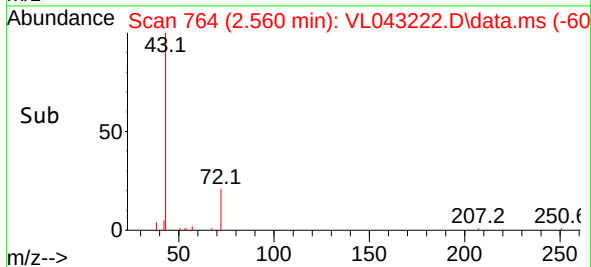
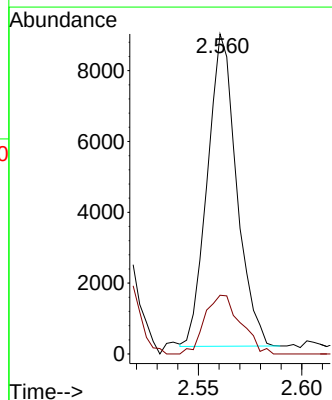
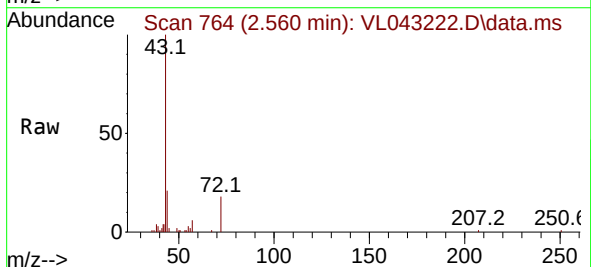
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

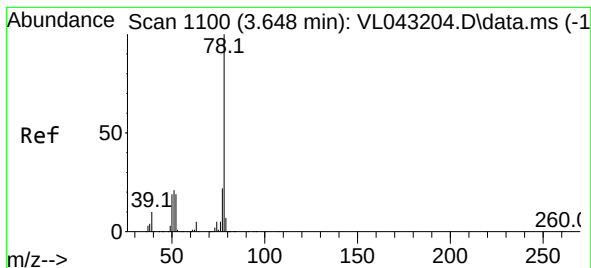
Tgt Ion:114 Resp: 255477
 Ion Ratio Lower Upper
 114 100
 63 26.4 21.0 31.6
 88 18.7 14.9 22.3



#34
 2-Butanone
 Concen: 0.482 ppbv
 RT: 2.560 min Scan# 764
 Delta R.T. 0.009 min
 Lab File: VL043222.D
 Acq: 18 Nov 2025 20:29

Tgt Ion: 43 Resp: 8685
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.1 27.1





#36

Benzene

Concen: 0.249 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.016 min

Lab File: VL043222.D

Acq: 18 Nov 2025 20:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

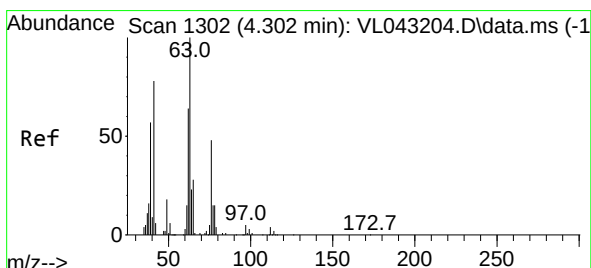
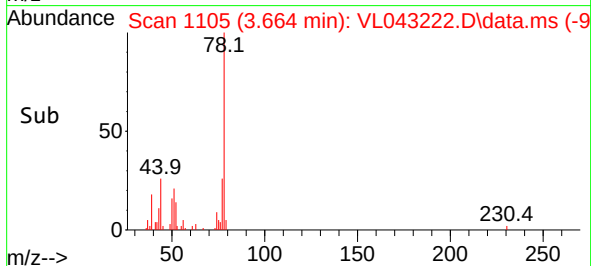
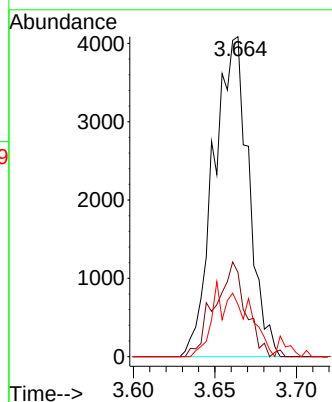
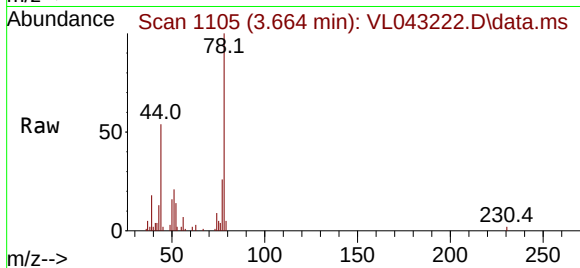
Tgt Ion: 78 Resp: 6086

Ion Ratio Lower Upper

78 100

77 26.3 17.5 26.3#

50 16.3 15.5 23.3



#39

1,2-Dichloropropane

Concen: 7.519 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.347 min

Lab File: VL043222.D

Acq: 18 Nov 2025 20:29

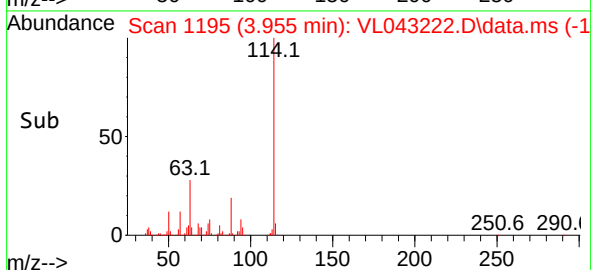
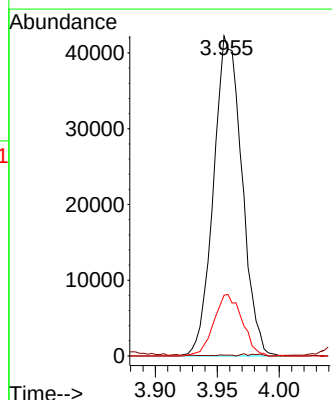
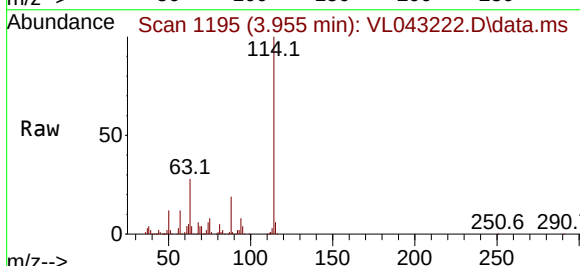
Tgt Ion: 63 Resp: 67332

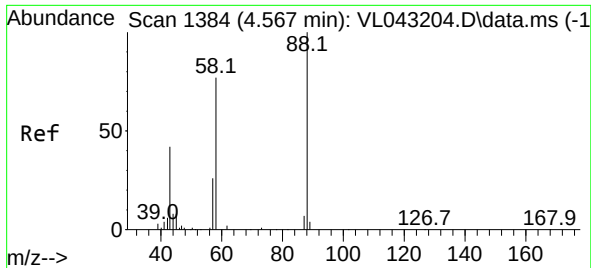
Ion Ratio Lower Upper

63 100

41 0.1 62.6 93.8#

62 19.0 51.0 76.6#



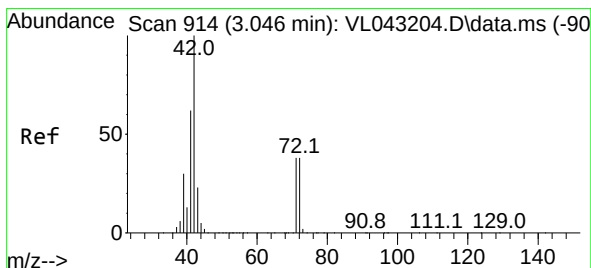
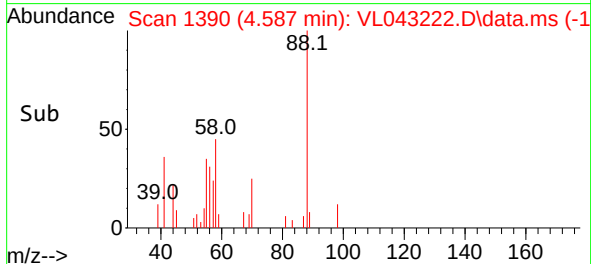
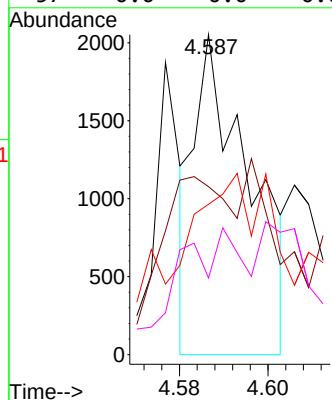
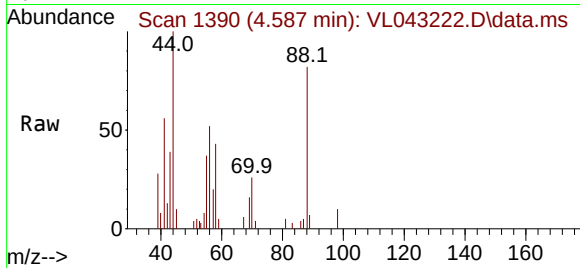


#40
1,4-Dioxane
Concen: 0.443 ppbv
RT: 4.587 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 88 Resp: 1783

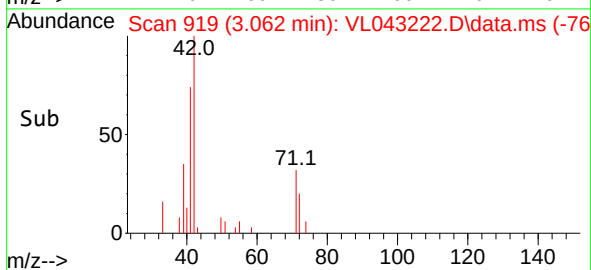
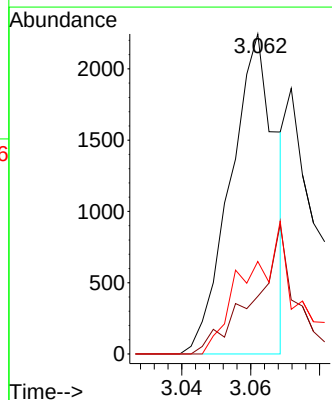
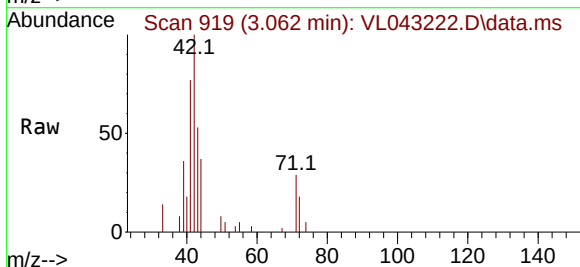
Ion	Ratio	Lower	Upper
88	100		
58	0.0	63.0	94.6#
43	0.0	32.5	48.7#
57	0.0	0.0	0.0

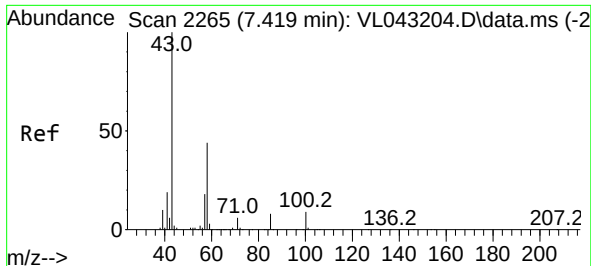


#41
Tetrahydrofuran
Concen: 0.205 ppbv
RT: 3.062 min Scan# 919
Delta R.T. 0.016 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 42 Resp: 2046

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.6	46.0#
71	0.0	30.5	45.7#

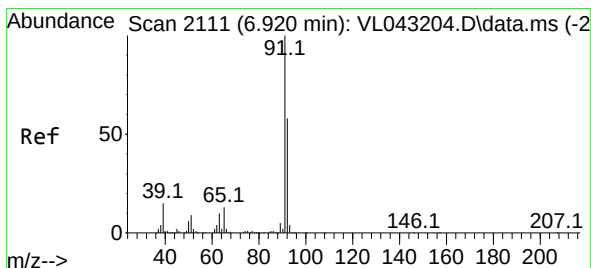
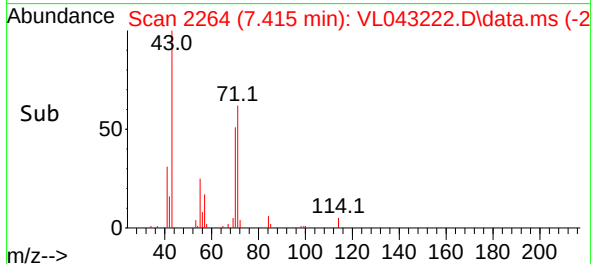
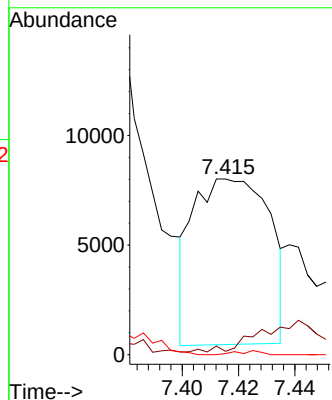
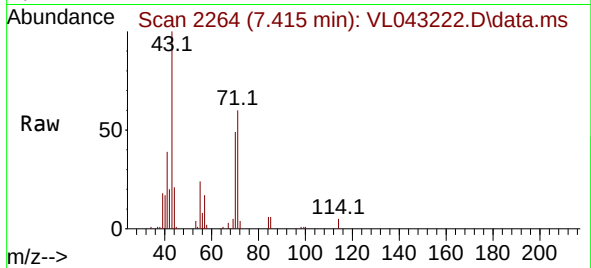




#51
2-Hexanone
Concen: 0.719 ppbv
RT: 7.415 min Scan# 2114
Delta R.T. -0.003 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

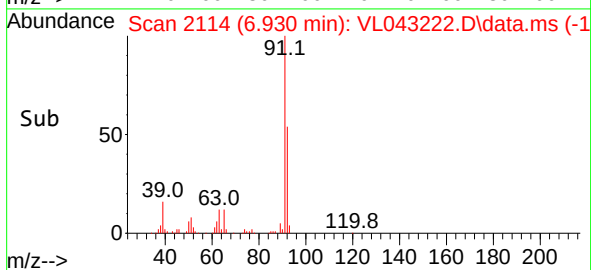
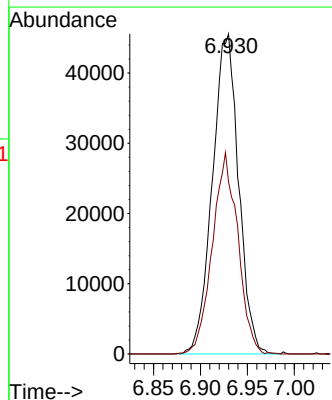
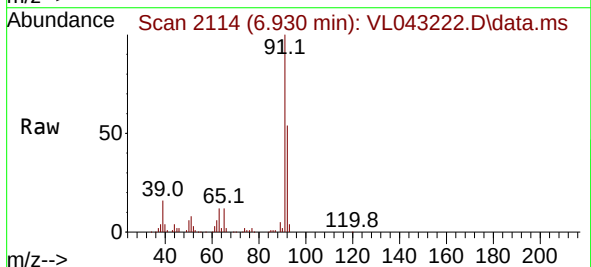
Instrument :
MSVOA_L
ClientSampleId :
SV1

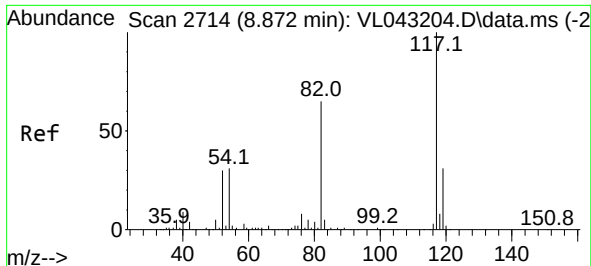
Tgt Ion: 43 Resp: 14182
Ion Ratio Lower Upper
43 100
58 19.0 38.4 57.6#
98 0.0 0.0 0.0



#53
Toluene
Concen: 3.051 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. 0.009 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 91 Resp: 88387
Ion Ratio Lower Upper
91 100
92 61.2 47.4 71.0

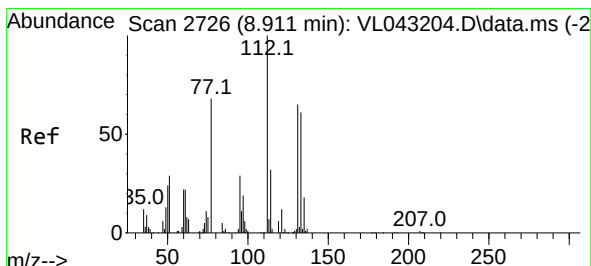
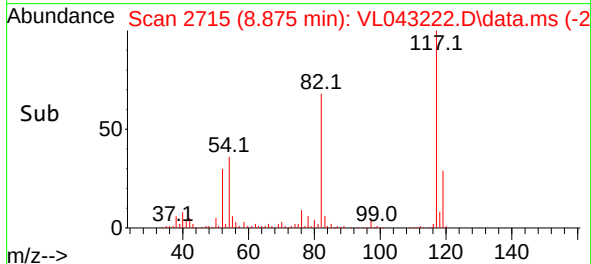
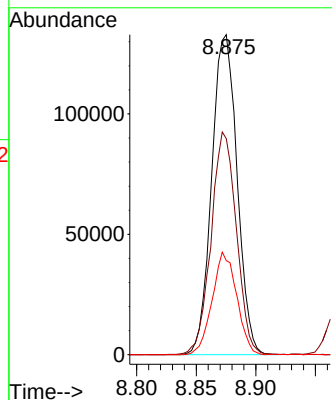
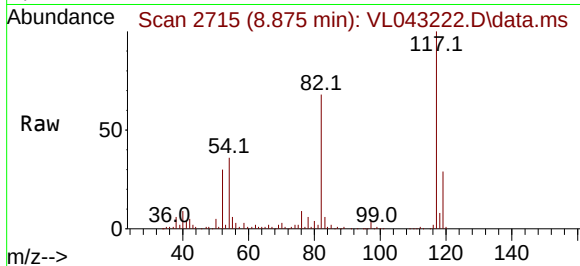




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

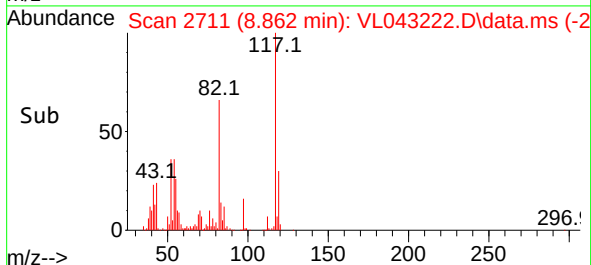
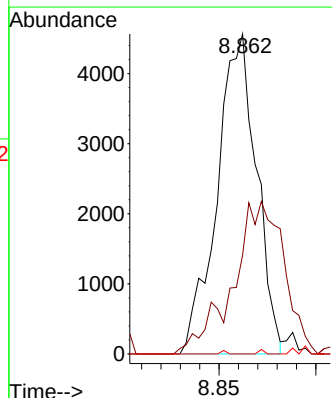
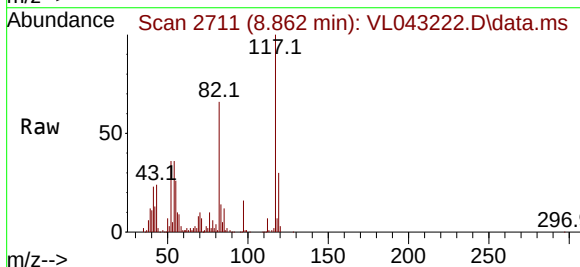
Instrument :
MSVOA_L
ClientSampleId :
SV1

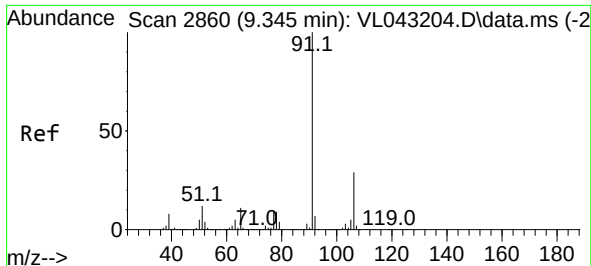
Tgt Ion:117 Resp: 197025
Ion Ratio Lower Upper
117 100
82 69.4 56.1 84.1
119 30.9 25.0 37.6



#57
Chlorobenzene
Concen: 0.319 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. -0.049 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion:112 Resp: 6456
Ion Ratio Lower Upper
112 100
77 29.2 55.5 83.3#
114 9.4 29.1 35.5#

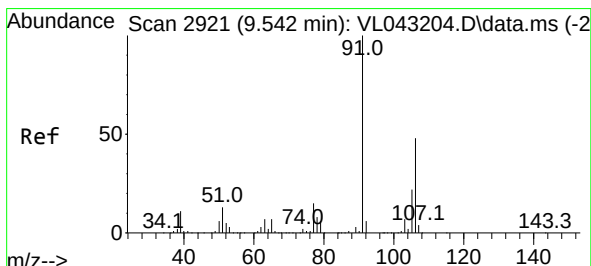
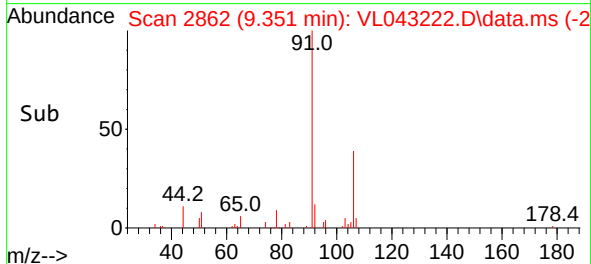
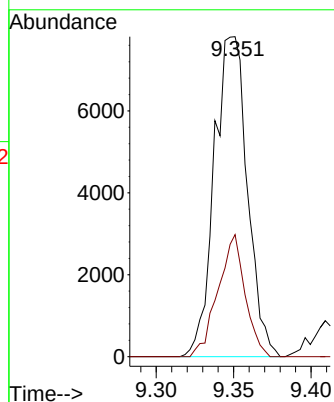
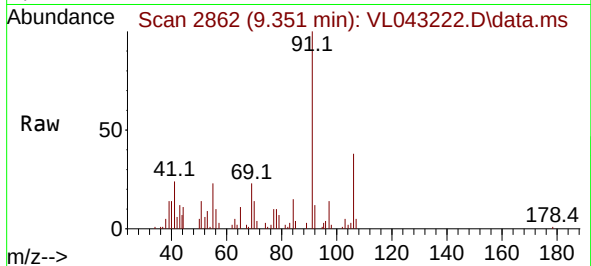




#58
Ethyl Benzene
Concen: 0.307 ppbv
RT: 9.351 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

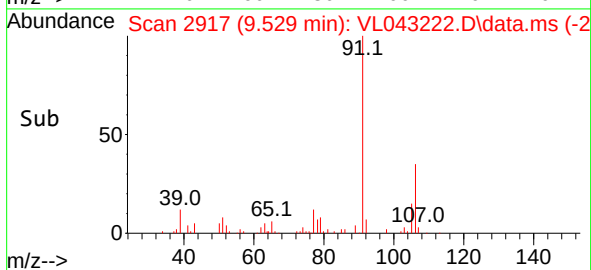
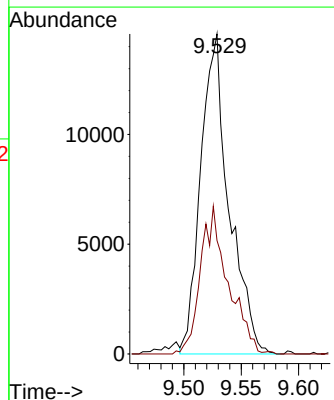
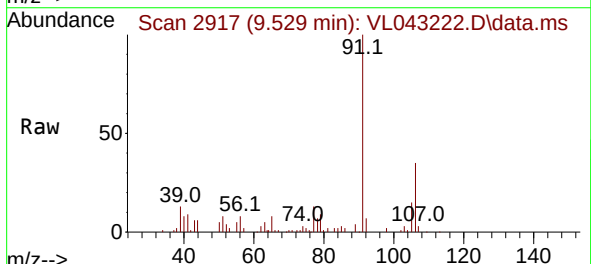
Instrument :
MSVOA_1
ClientSampleId :
SV1

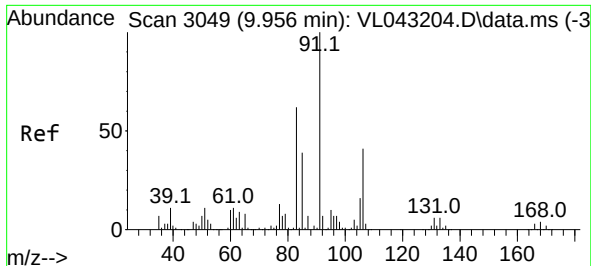
Tgt Ion: 91 Resp: 11657
Ion Ratio Lower Upper
91 100
106 38.2 22.8 34.2#



#59
m/p-Xylene
Concen: 0.824 ppbv
RT: 9.529 min Scan# 2917
Delta R.T. -0.013 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 91 Resp: 25042
Ion Ratio Lower Upper
91 100
106 45.0 36.1 54.1

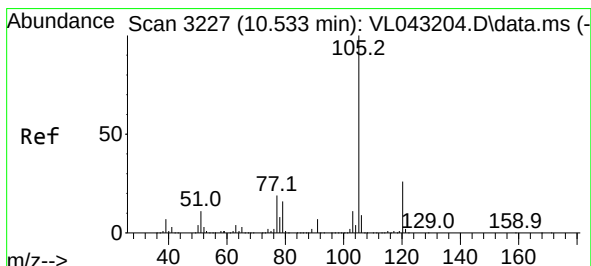
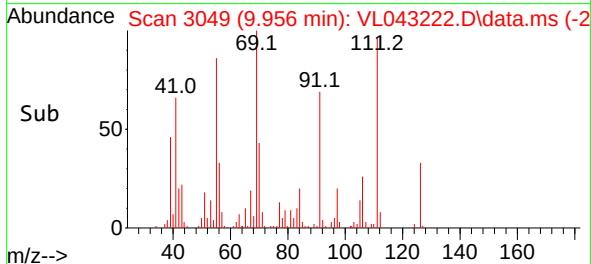
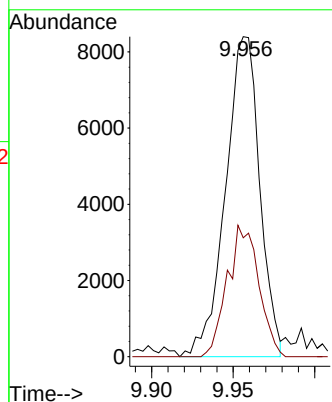
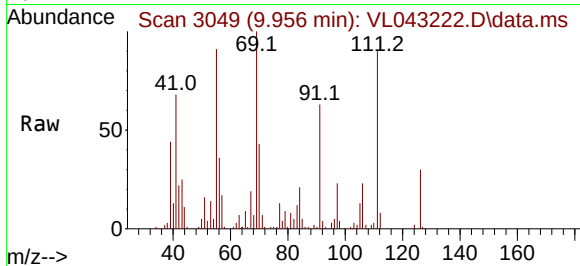




#60
o-Xylene
Concen: 0.403 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

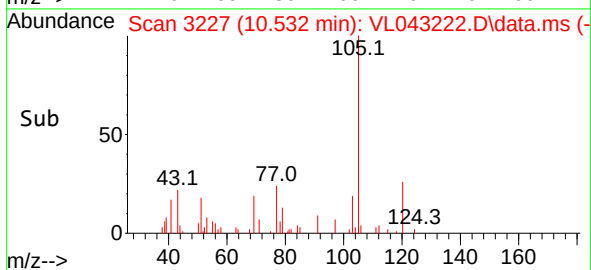
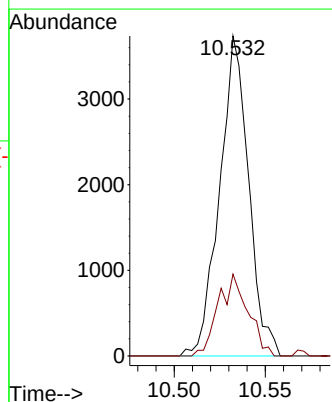
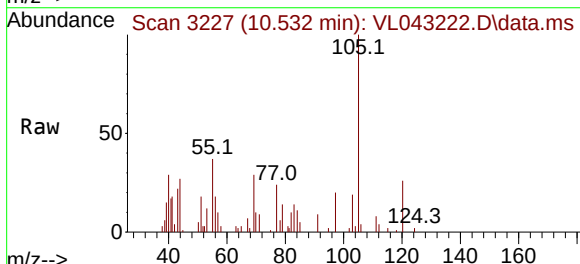
Instrument :
MSVOA_L
ClientSampleId :
SV1

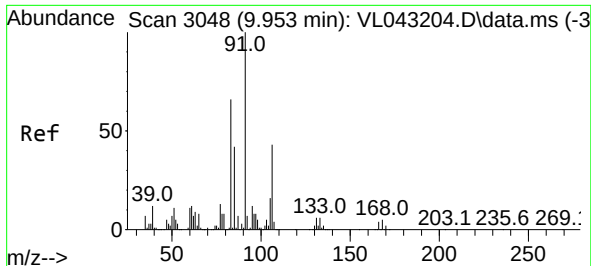
Tgt Ion: 91 Resp: 12246
Ion Ratio Lower Upper
91 100
106 37.7 20.9 62.8



#62
Isopropylbenzene
Concen: 0.076 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.000 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion: 105 Resp: 4143
Ion Ratio Lower Upper
105 100
120 27.0 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.297 ppbv

RT: 9.943 min Scan# 3048

Delta R.T. -0.010 min

Lab File: VL043222.D

Acq: 18 Nov 2025 20:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

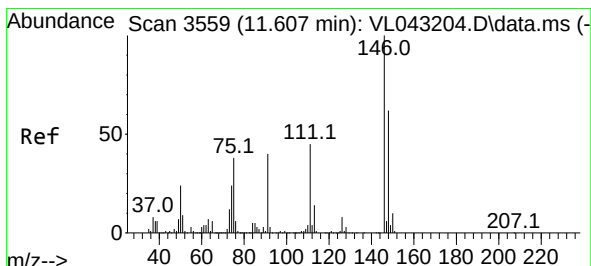
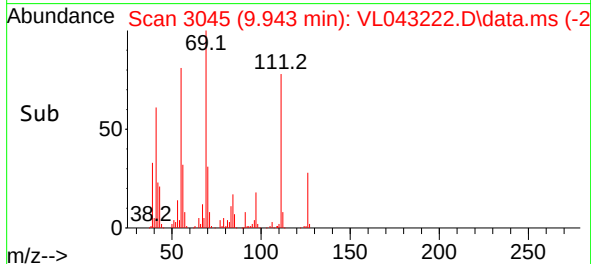
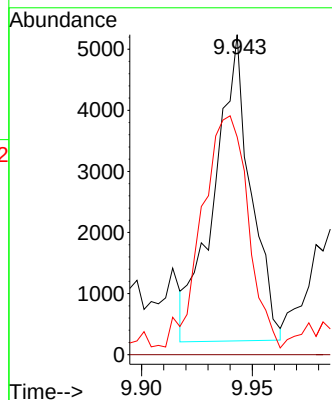
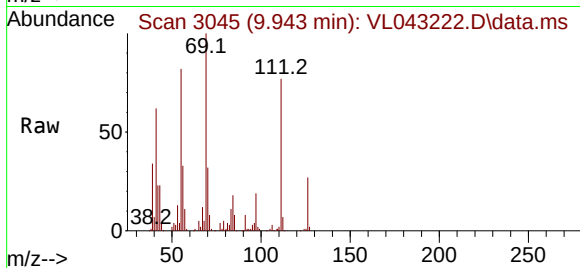
Tgt Ion: 83 Resp: 5735

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 101.1 31.9 95.9#



#66

Benzyl Chloride

Concen: 0.047 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.013 min

Lab File: VL043222.D

Acq: 18 Nov 2025 20:29

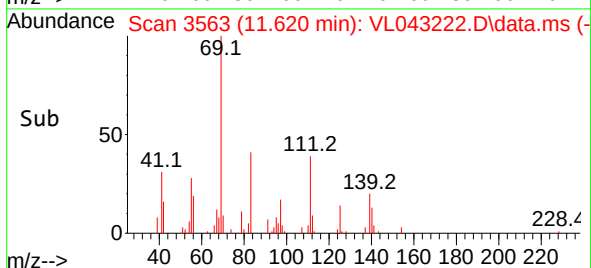
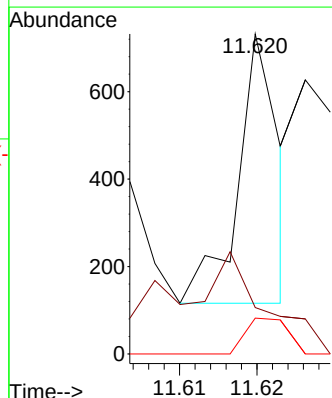
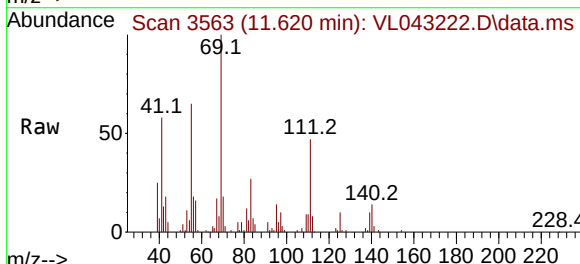
Tgt Ion: 91 Resp: 229

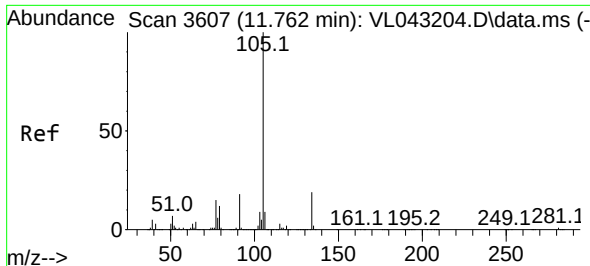
Ion Ratio Lower Upper

91 100

126 128.4 14.4 21.6#

128 0.0 4.6 6.8#

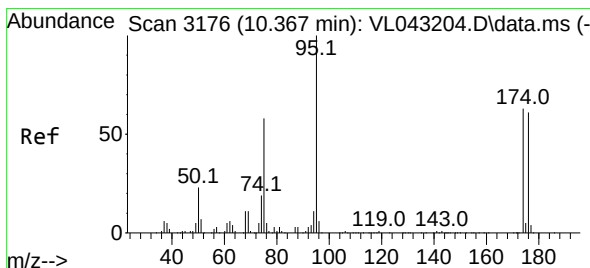
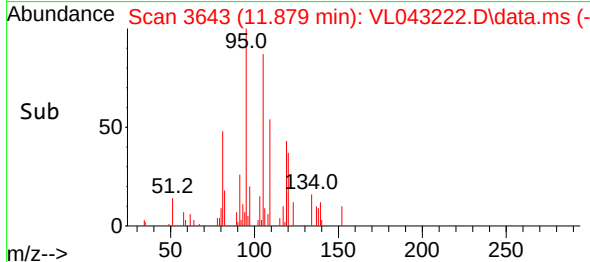
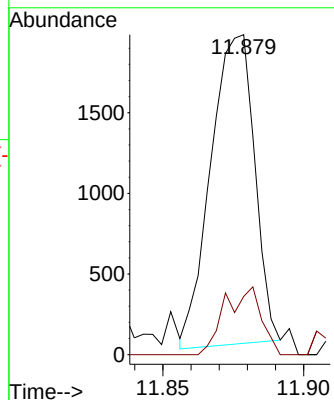
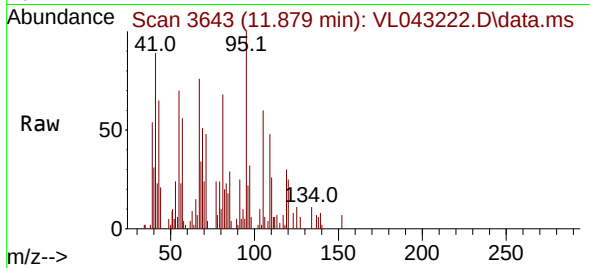




#67
 sec-Butylbenzene
 Concen: 0.031 ppbv
 RT: 11.879 min Scan# 3177
 Delta R.T. 0.116 min
 Lab File: VL043222.D
 Acq: 18 Nov 2025 20:29

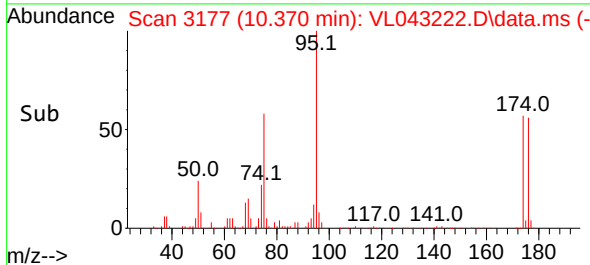
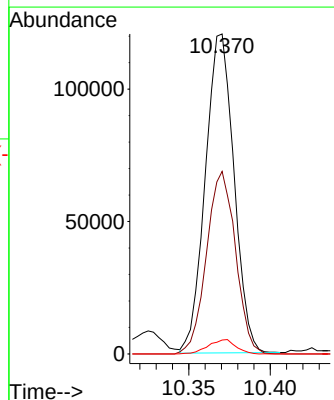
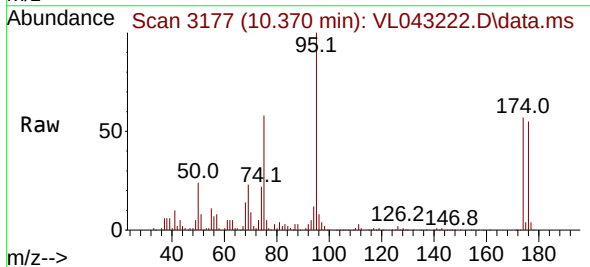
Instrument :
 MSVOA_1
 ClientSampleId :
 SV1

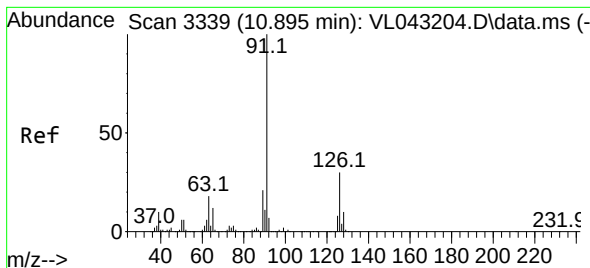
Tgt Ion:105 Resp: 2076
 Ion Ratio Lower Upper
 105 100
 134 18.2 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.185 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. 0.003 min
 Lab File: VL043222.D
 Acq: 18 Nov 2025 20:29

Tgt Ion: 95 Resp: 147087
 Ion Ratio Lower Upper
 95 100
 174 57.9 50.2 75.2
 175 4.3 4.1 6.1

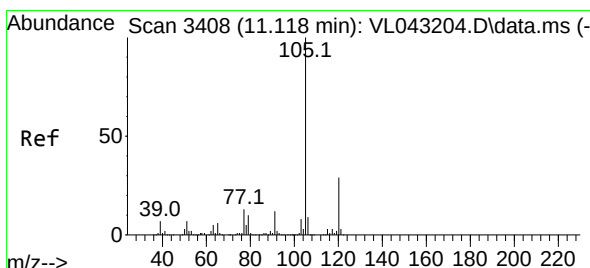
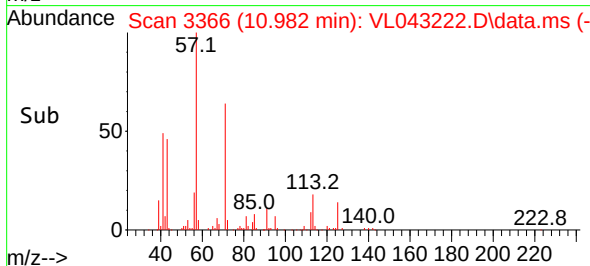
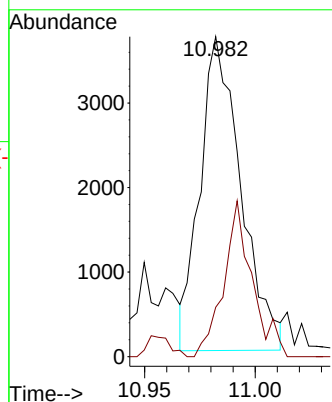
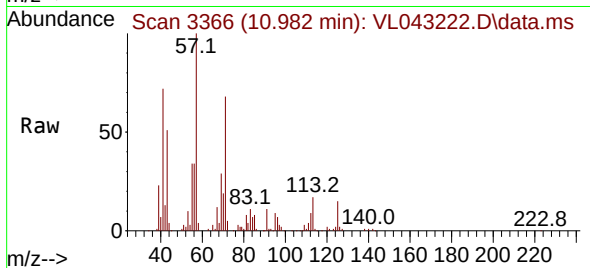




#71
2-Chlorotoluene
Concen: 0.114 ppbv
RT: 10.982 min Scan# 31
Delta R.T. 0.087 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

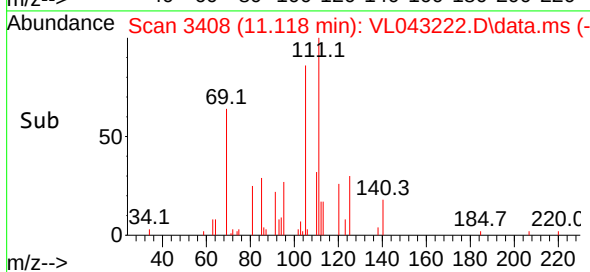
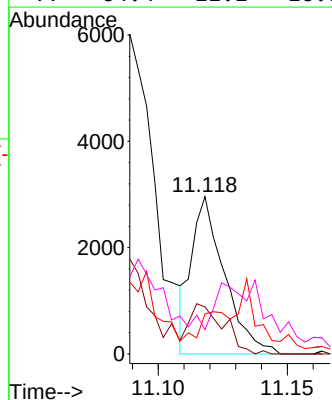
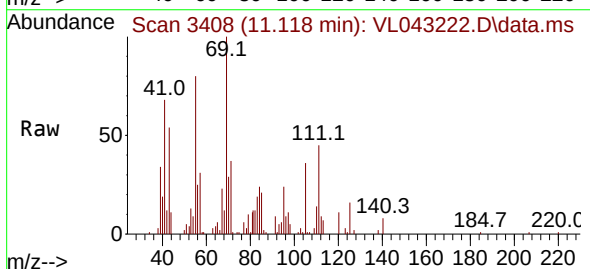
Instrument :
MSVOA_L
ClientSampleId :
SV1

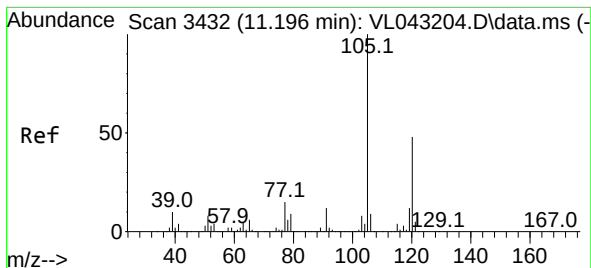
Tgt Ion: 91 Resp: 4766
Ion Ratio Lower Upper
91 100
126 38.2 11.7 46.7



#72
4-Ethyltoluene
Concen: 0.071 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.000 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Tgt Ion:105 Resp: 2628
Ion Ratio Lower Upper
105 100
120 33.3 23.8 35.8
91 50.1 10.3 15.5#
77 64.4 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.130 ppbv

RT: 11.199 min Scan# 3432

Delta R.T. 0.003 min

Lab File: VL043222.D

Acq: 18 Nov 2025 20:29

Instrument :

MSVOA_L

ClientSampleId :

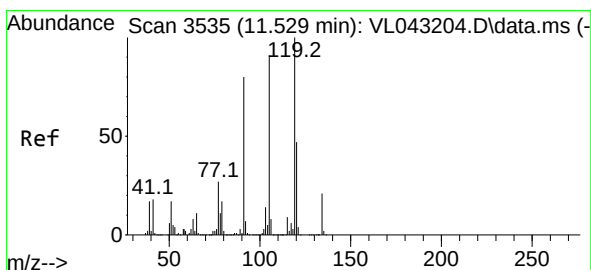
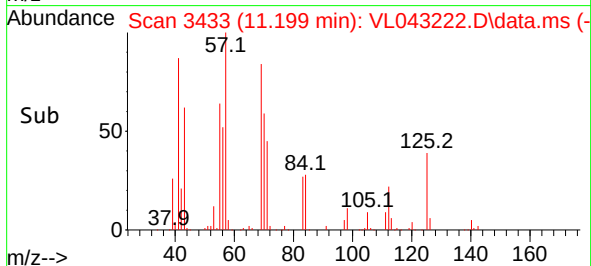
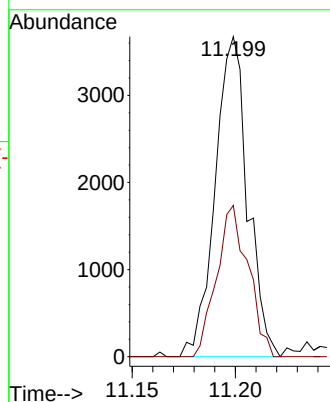
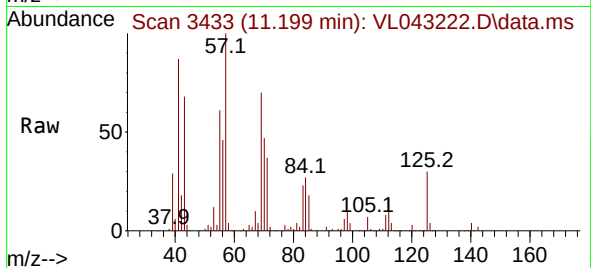
SV1

Tgt Ion:105 Resp: 4030

Ion Ratio Lower Upper

105 100

120 47.3 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.230 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL043222.D

Acq: 18 Nov 2025 20:29

Tgt Ion:105 Resp: 7787

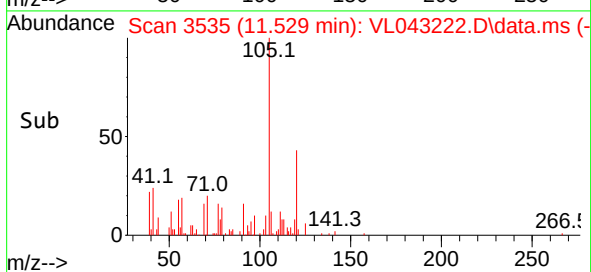
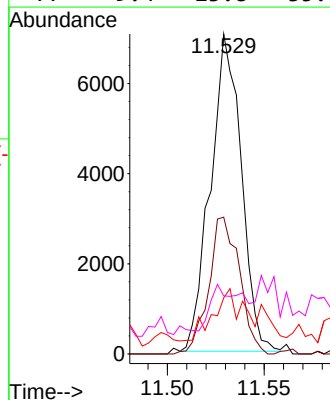
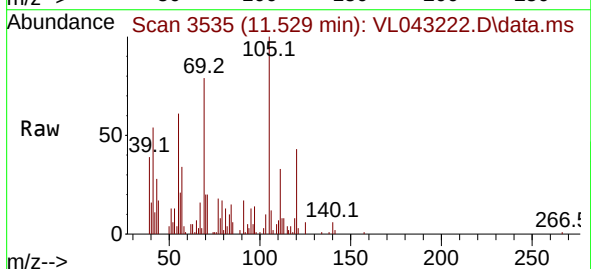
Ion Ratio Lower Upper

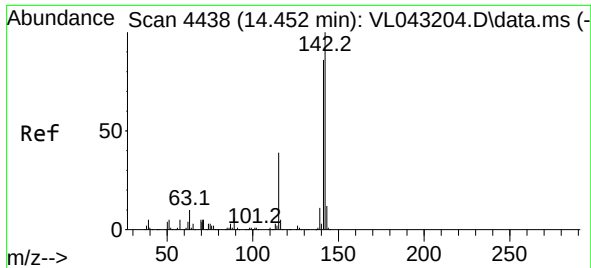
105 100

120 42.4 41.7 62.5

91 13.6 70.0 105.0#

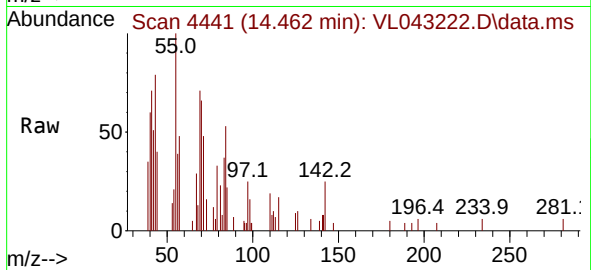
77 9.4 23.8 35.8#





#80
Naphthalene, 2-methyl-
Concen: 0.039 ppbv
RT: 14.462 min Scan# 44
Delta R.T. 0.009 min
Lab File: VL043222.D
Acq: 18 Nov 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:	142	Resp:	309
Ion	Ratio	Lower	Upper
142	100		
141	158.6	67.1	100.7#
115	108.7	31.9	47.9#

