

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043217.D
 Acq On : 18 Nov 2025 17:40
 Operator : SY/MD
 Sample : Q3651-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3

Quant Time: Nov 19 01:37:42 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	99721	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	263141	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	208459	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	152659	9.991	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%

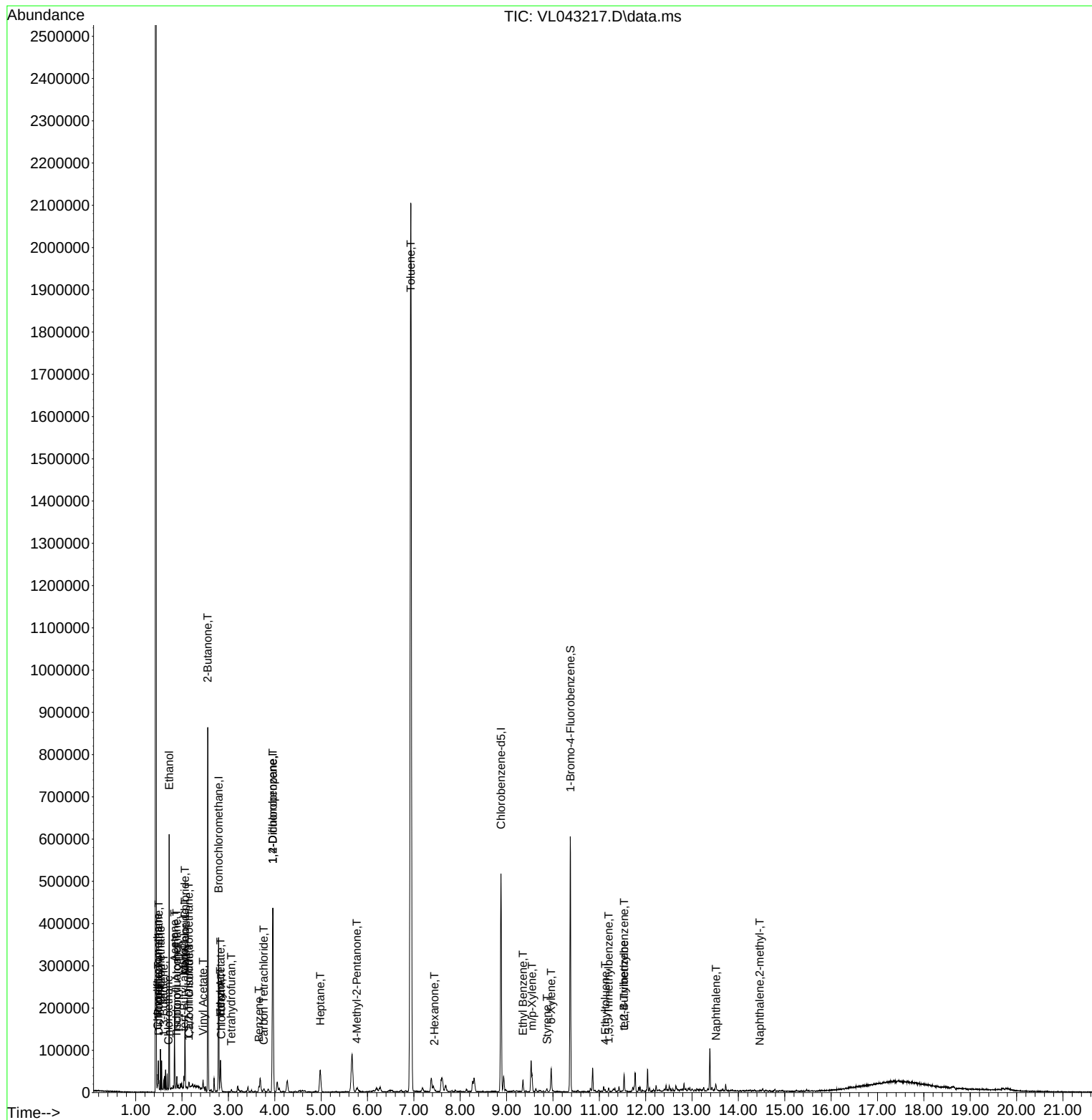
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	5540	0.394	ppbv	99
3) Chlorodifluoromethane	1.476	51	14985	1.083	ppbv	94
4) Chloromethane	1.534	50	27687	5.265	ppbv #	87
7) Chloroethane	1.706	64	266	0.119	ppbv #	50
9) Propene	1.489	41	5701	0.971	ppbv #	1
10) Heptane	4.981	43	809	0.046	ppbv #	28
11) Trichlorofluoromethane	1.881	101	2691	0.197	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.143	101	774	0.073	ppbv #	77
13) Ethanol	1.722	45	202331	97.961	ppbv	99
15) Acetone	1.835	43	83575	6.032	ppbv	98
16) 1,3-Butadiene	1.602	39	2898	0.469	ppbv #	37
17) tert-Butyl alcohol	2.042	59	11636	0.640	ppbv #	84
19) Isopropyl Alcohol	1.887	45	9694	1.238	ppbv #	1
20) Methylene Chloride	2.065	84	23751	5.462	ppbv	97
21) Allyl Chloride	2.062	41	718	0.077	ppbv #	53
23) Vinyl Acetate	2.454	43	15068	0.901	ppbv #	84
25) Ethyl Acetate	2.829	43	18873	0.632	ppbv #	91
26) Hexane	2.826	57	18114	1.383	ppbv #	53
27) Carbon Disulfide	2.153	76	6178	0.462	ppbv #	59
29) Chloroform	2.848	83	4559	0.245	ppbv #	81
34) 2-Butanone	2.554	43	521507	28.076	ppbv	99
35) Carbon Tetrachloride	3.761	117	978	0.049	ppbv	87
36) Benzene	3.661	78	3353	0.133	ppbv #	90
39) 1,2-Dichloropropane	3.959	63	68130	7.387	ppbv #	25
41) Tetrahydrofuran	3.062	42	636	0.062	ppbv #	37
50) 4-Methyl-2-Pentanone	5.768	43	2582	0.099	ppbv #	54
51) 2-Hexanone	7.444	43	1015	0.050	ppbv #	98
53) Toluene	6.936	91	1607514	53.871	ppbv	98
58) Ethyl Benzene	9.354	91	14355	0.358	ppbv	99
59) m/p-Xylene	9.548	91	10962	0.341	ppbv #	31
60) o-Xylene	9.963	91	22645	0.705	ppbv	92
61) Styrene	9.872	104	2129	0.151	ppbv	90
65) tert-Butylbenzene	11.532	119	1703	0.033	ppbv #	53
72) 4-Ethyltoluene	11.128	105	1884	0.048	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.202	105	2897	0.088	ppbv	93
74) 1,2,4-Trimethylbenzene	11.536	105	13137	0.367	ppbv #	55
79) Naphthalene	13.516	128	5717	0.180	ppbv #	89
80) Naphthalene,2-methyl-	14.461	142	822	0.098	ppbv #	75

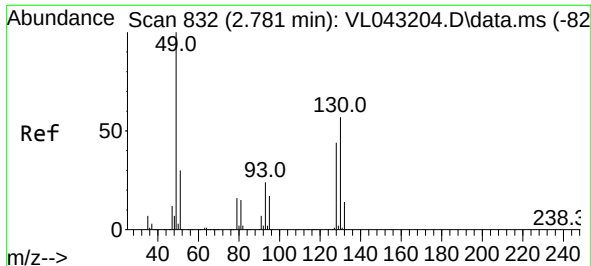
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043217.D
Acq On : 18 Nov 2025 17:40
Operator : SY/MD
Sample : Q3651-06
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA3

Quant Time: Nov 19 01:37:42 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

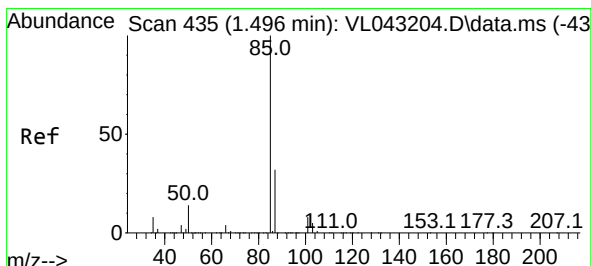
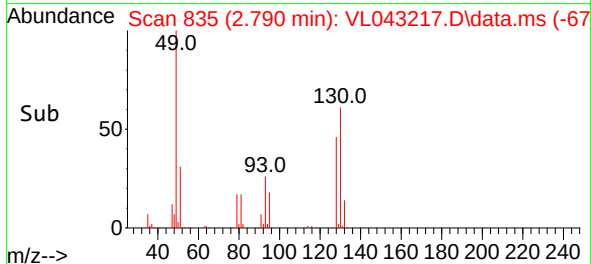
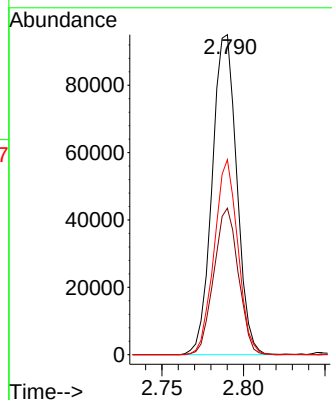
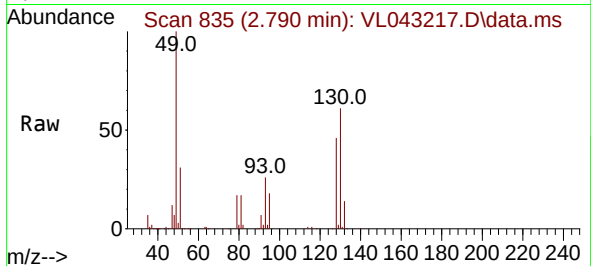




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

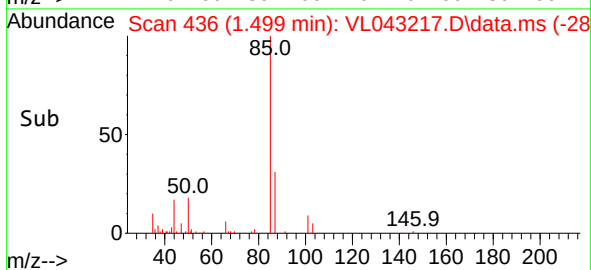
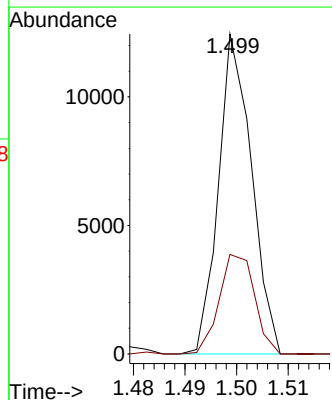
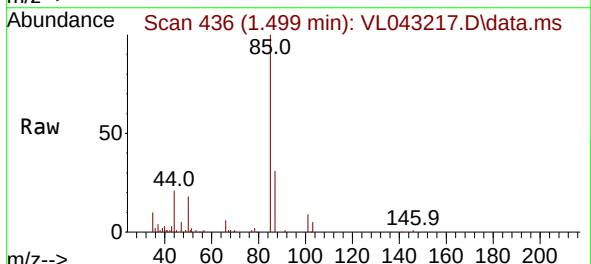
Instrument :
MSVOA_L
ClientSampleId :
IA3

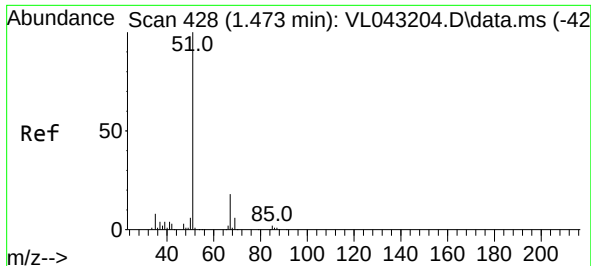
Tgt Ion: 49 Resp: 99721
Ion Ratio Lower Upper
49 100
128 45.6 23.0 69.0
130 58.5 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.394 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 85 Resp: 5540
Ion Ratio Lower Upper
85 100
87 31.1 25.4 38.2

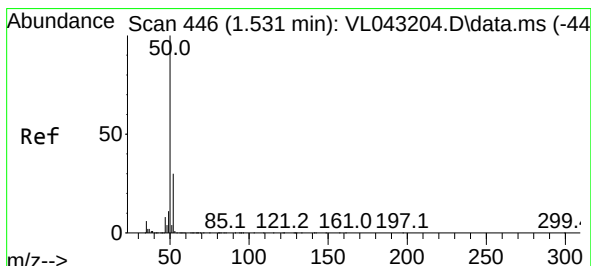
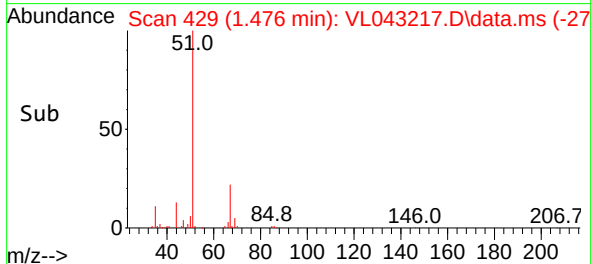
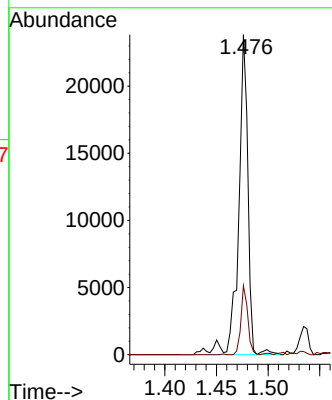
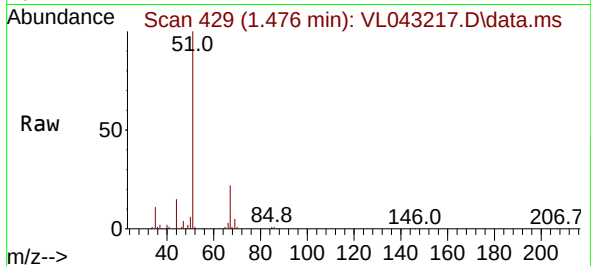




#3
Chlorodifluoromethane
Concen: 1.083 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

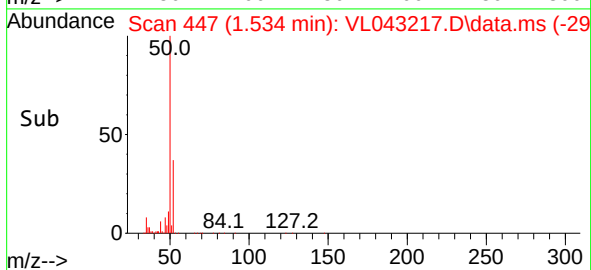
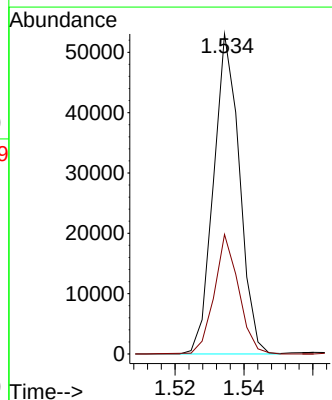
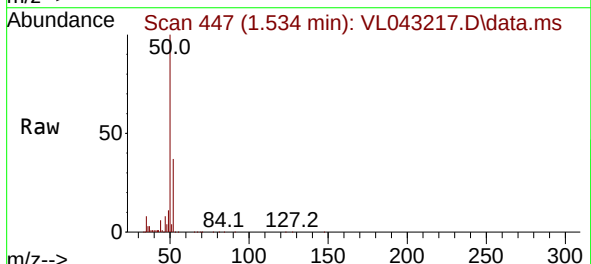
Instrument :
MSVOA_L
ClientSampleId :
IA3

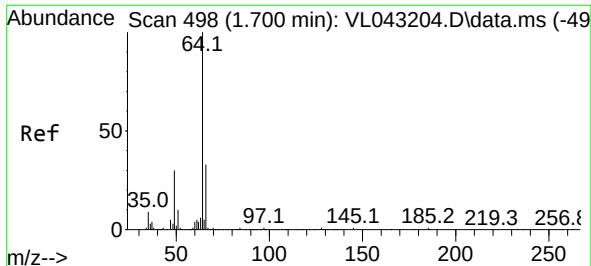
Tgt Ion: 51 Resp: 14985
Ion Ratio Lower Upper
51 100
67 16.1 14.9 22.3



#4
Chloromethane
Concen: 5.265 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 50 Resp: 27687
Ion Ratio Lower Upper
50 100
52 37.3 24.1 36.1#

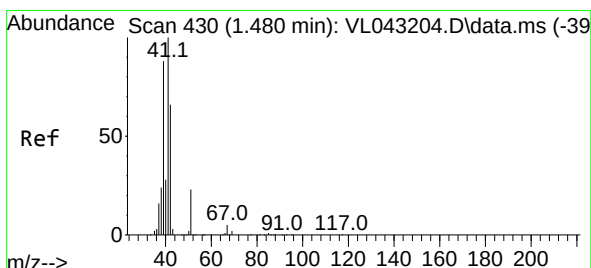
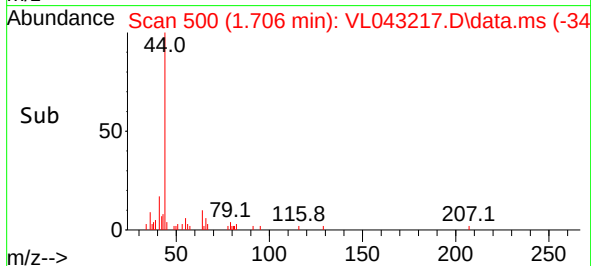
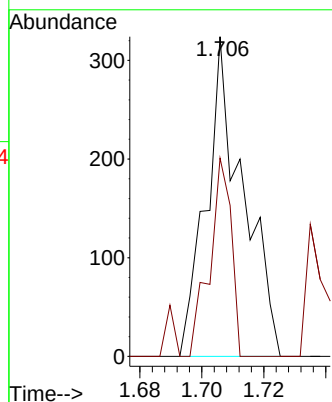
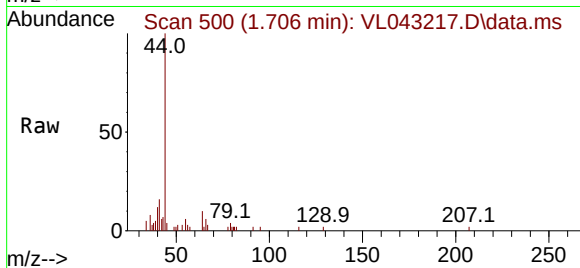




#7
Chloroethane
Concen: 0.119 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

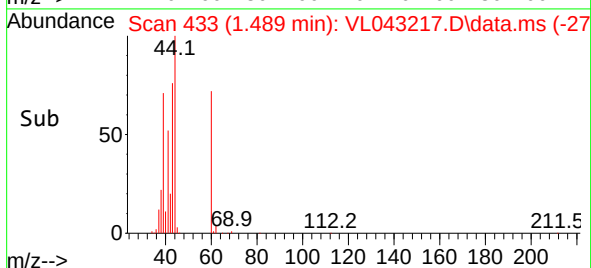
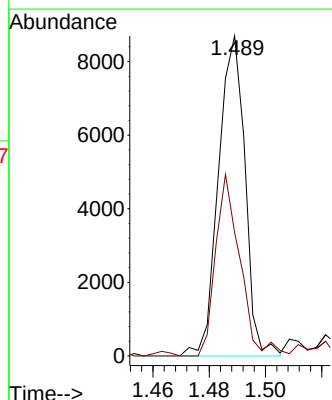
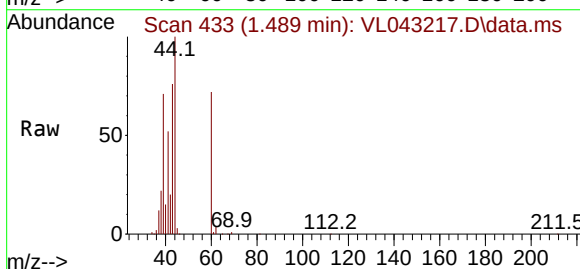
Instrument :
MSVOA_L
ClientSampleId :
IA3

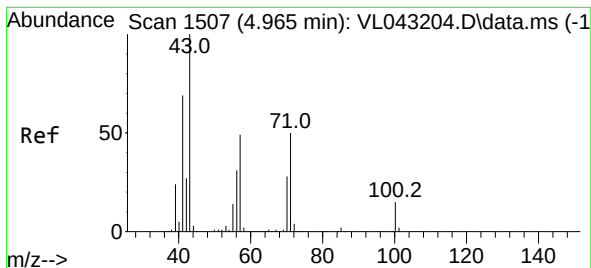
Tgt Ion: 64 Resp: 266
Ion Ratio Lower Upper
64 100
66 62.0 26.8 40.2#



#9
Propene
Concen: 0.971 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.009 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 41 Resp: 5701
Ion Ratio Lower Upper
41 100
42 53.6 3.7 5.5#





#10

Heptane

Concen: 0.046 ppbv

RT: 4.981 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

Instrument :

MSVOA_L

ClientSampleId :

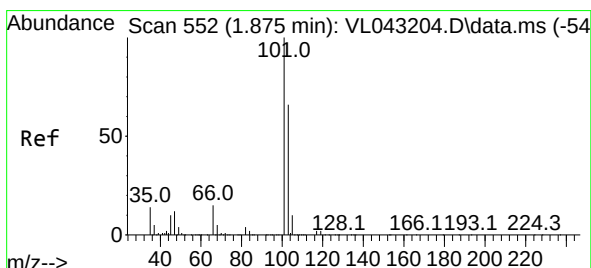
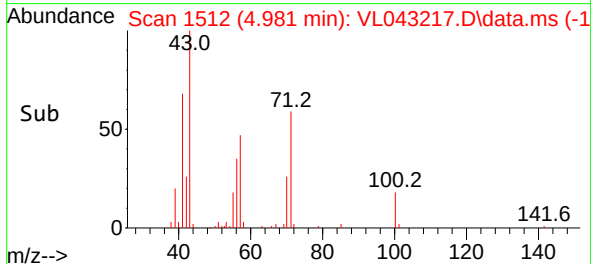
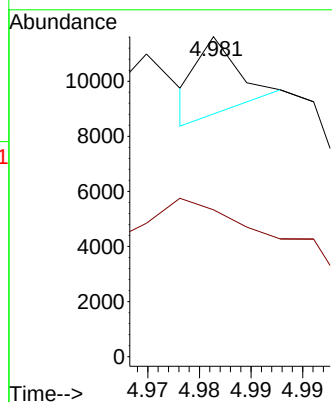
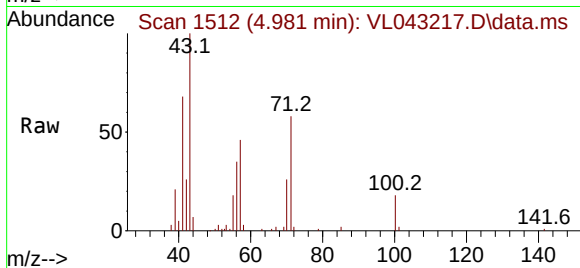
IA3

Tgt Ion: 43 Resp: 809

Ion Ratio Lower Upper

43 100

57 0.0 39.7 59.5#



#11

Trichlorofluoromethane

Concen: 0.197 ppbv

RT: 1.881 min Scan# 554

Delta R.T. 0.006 min

Lab File: VL043217.D

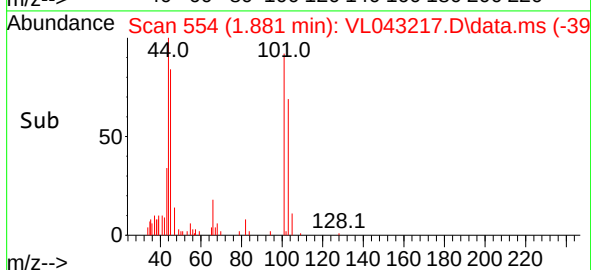
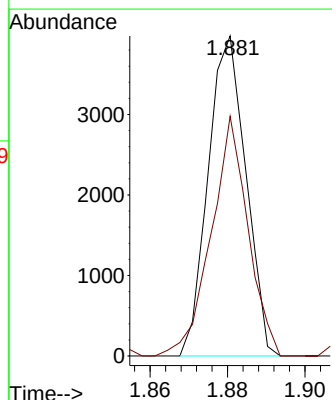
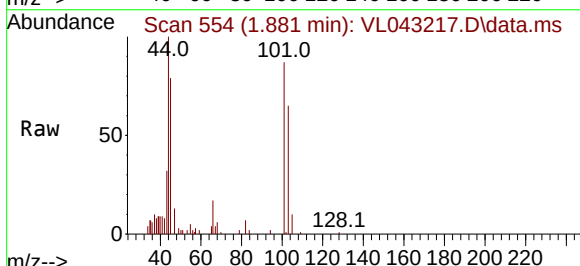
Acq: 18 Nov 2025 17:40

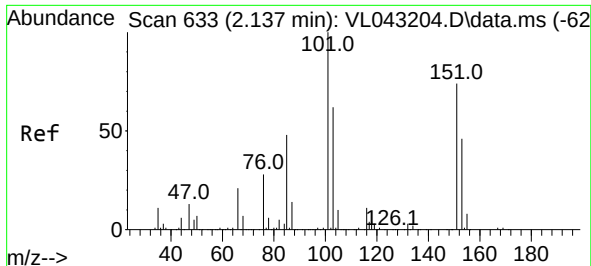
Tgt Ion:101 Resp: 2691

Ion Ratio Lower Upper

101 100

103 74.9 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.073 ppbv

RT: 2.143 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

Instrument :

MSVOA_L

ClientSampleId :

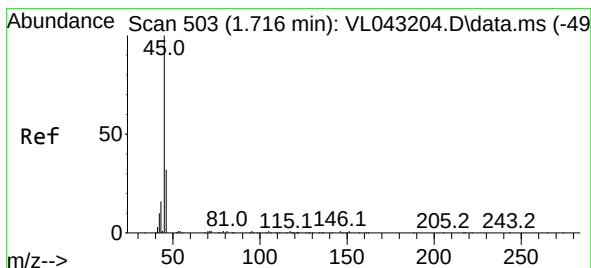
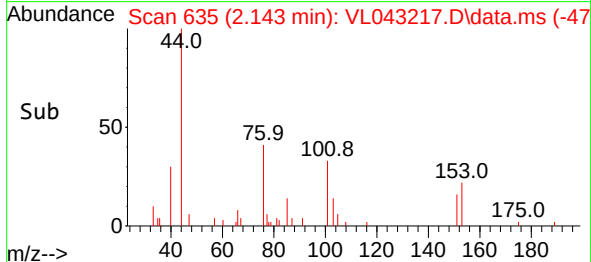
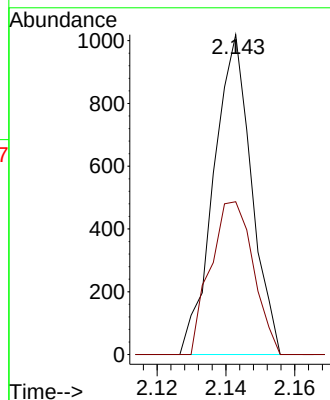
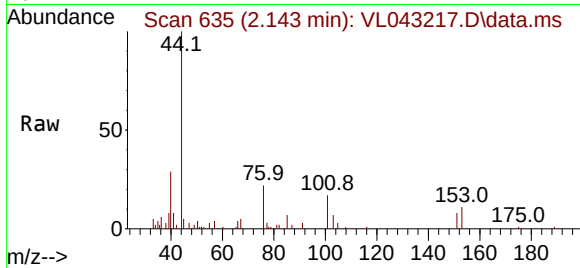
IA3

Tgt Ion:101 Resp: 774

Ion Ratio Lower Upper

101 100

151 54.4 59.2 88.8#



#13

Ethanol

Concen: 97.961 ppbv

RT: 1.722 min Scan# 505

Delta R.T. 0.006 min

Lab File: VL043217.D

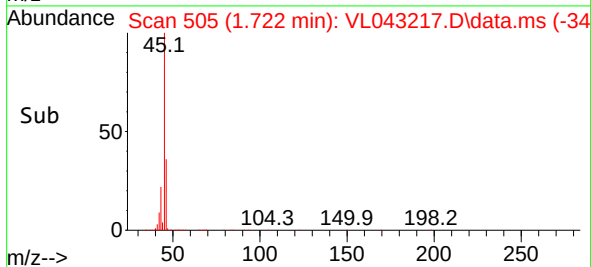
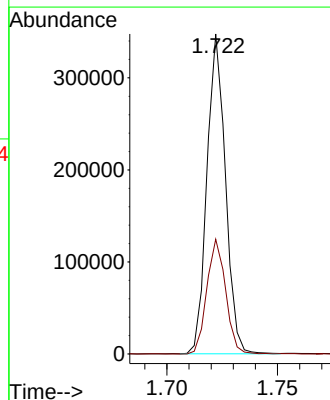
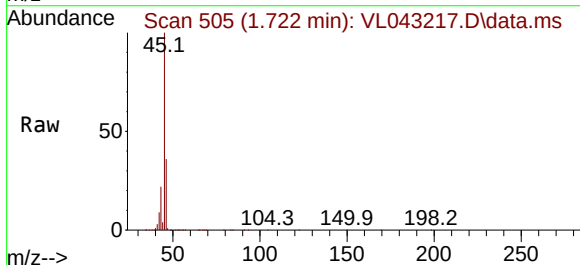
Acq: 18 Nov 2025 17:40

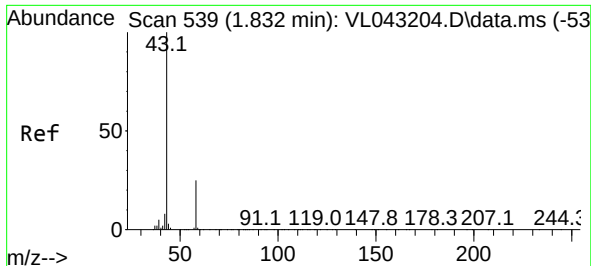
Tgt Ion: 45 Resp: 202331

Ion Ratio Lower Upper

45 100

46 36.6 15.0 59.8

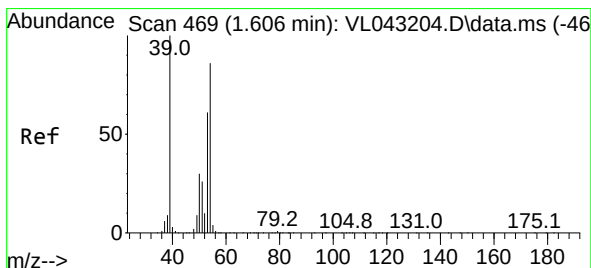
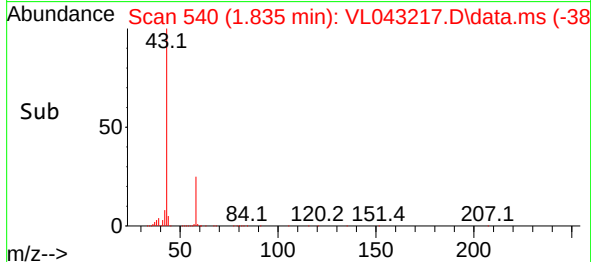
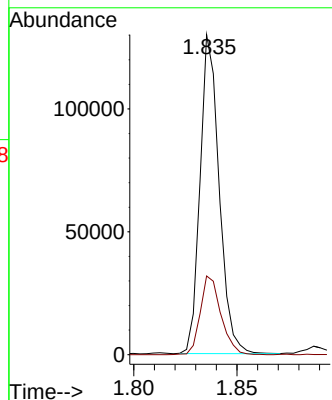
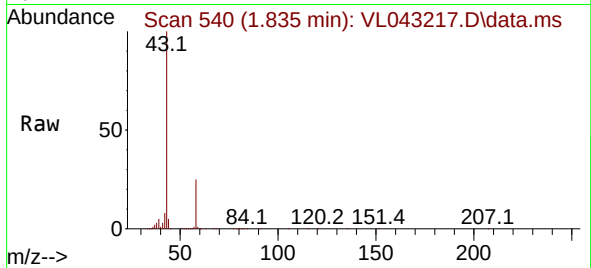




#15
Acetone
Concen: 6.032 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

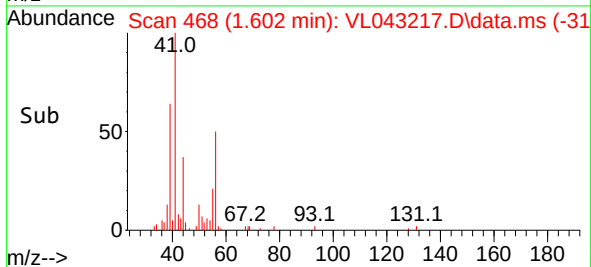
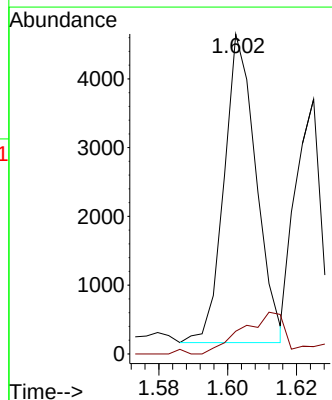
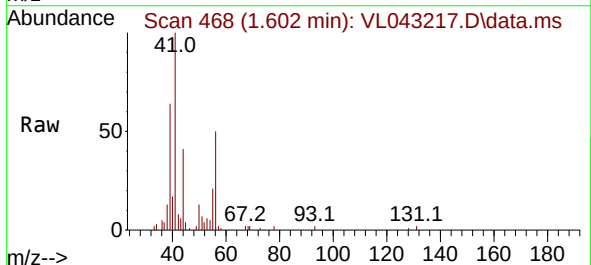
Instrument :
MSVOA_L
ClientSampleId :
IA3

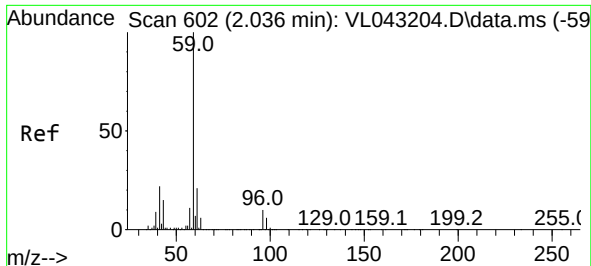
Tgt Ion: 43 Resp: 83575
Ion Ratio Lower Upper
43 100
58 26.9 20.7 31.1



#16
1,3-Butadiene
Concen: 0.469 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.004 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 39 Resp: 2898
Ion Ratio Lower Upper
39 100
54 20.5 59.4 89.2#





#17

tert-Butyl alcohol

Concen: 0.640 ppbv

RT: 2.042 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

Instrument :

MSVOA_L

ClientSampleId :

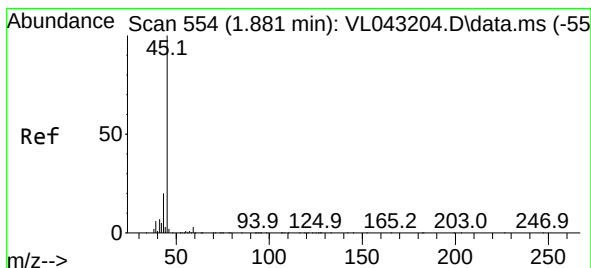
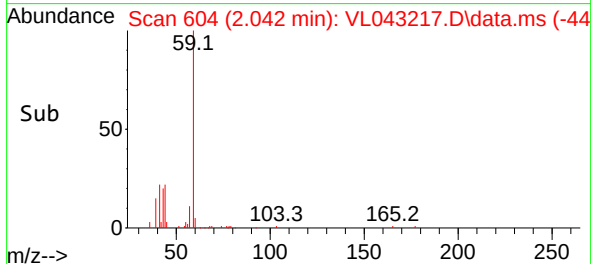
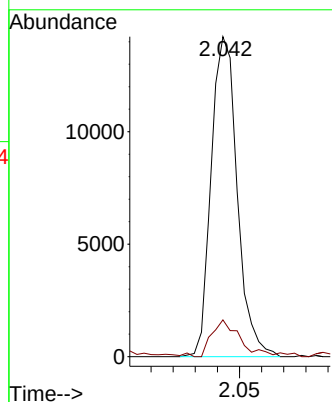
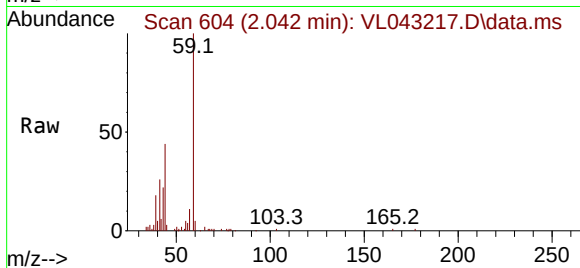
IA3

Tgt Ion: 59 Resp: 11636

Ion Ratio Lower Upper

59 100

57 17.3 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 1.238 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.006 min

Lab File: VL043217.D

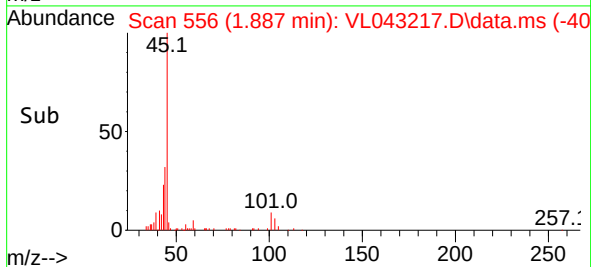
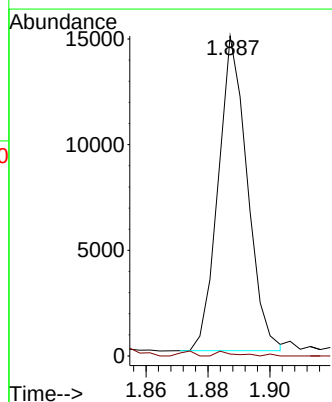
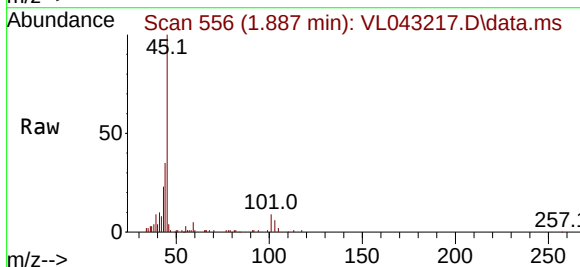
Acq: 18 Nov 2025 17:40

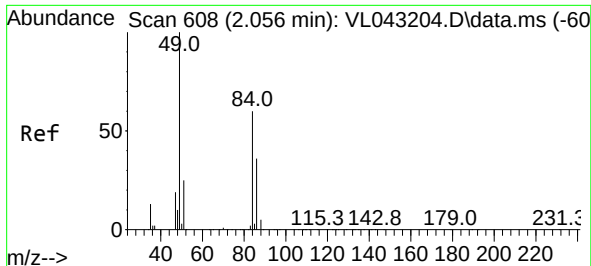
Tgt Ion: 45 Resp: 9694

Ion Ratio Lower Upper

45 100

58 231.6 31.3 46.9#





#20

Methylene Chloride

Concen: 5.462 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.009 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

Instrument :

MSVOA_L

ClientSampleId :

IA3

Tgt Ion: 84 Resp: 23751

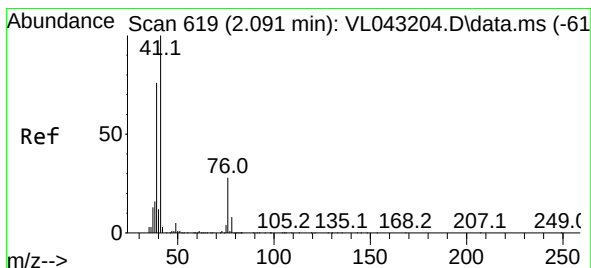
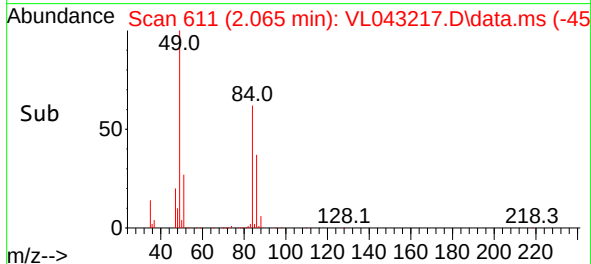
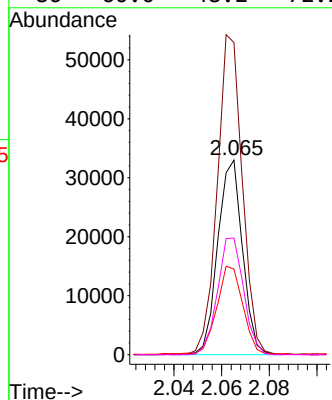
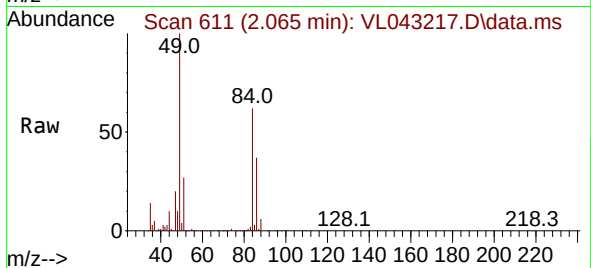
Ion Ratio Lower Upper

84 100

49 160.5 132.9 199.3

51 43.5 34.8 52.2

86 60.0 48.2 72.2



#21

Allyl Chloride

Concen: 0.077 ppbv

RT: 2.062 min Scan# 610

Delta R.T. -0.029 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

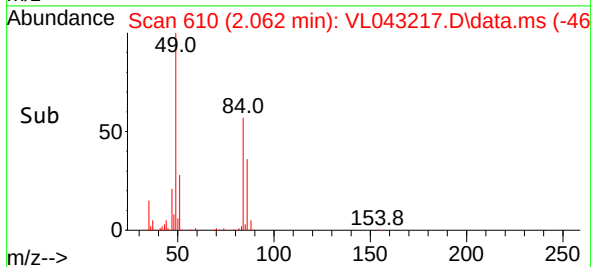
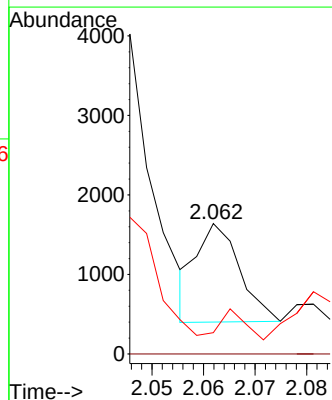
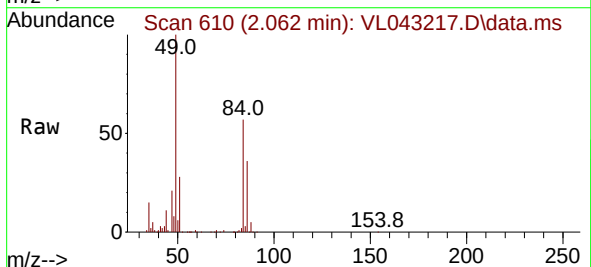
Tgt Ion: 41 Resp: 718

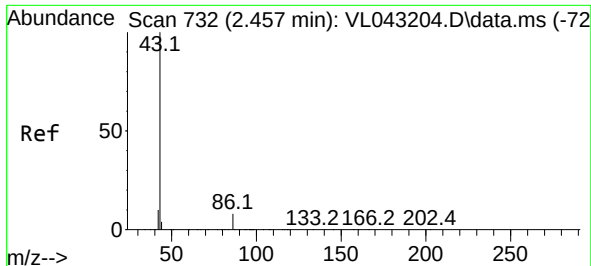
Ion Ratio Lower Upper

41 100

76 0.0 22.1 33.1#

39 114.3 61.0 91.4#

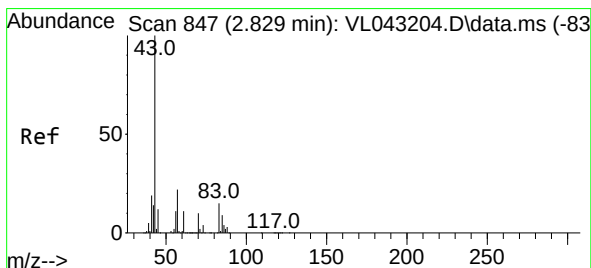
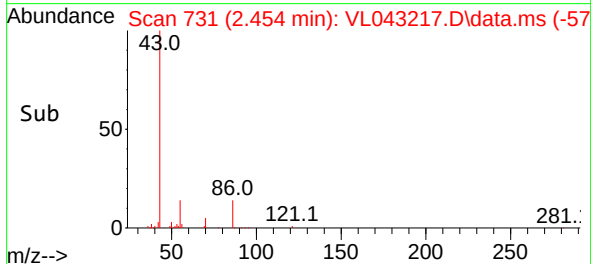
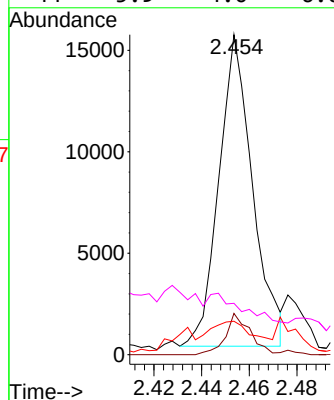
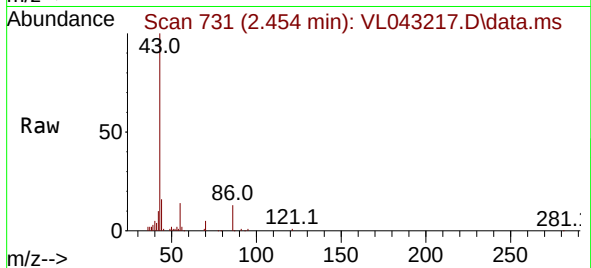




#23
Vinyl Acetate
Concen: 0.901 ppbv
RT: 2.454 min Scan# 732
Delta R.T. -0.004 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

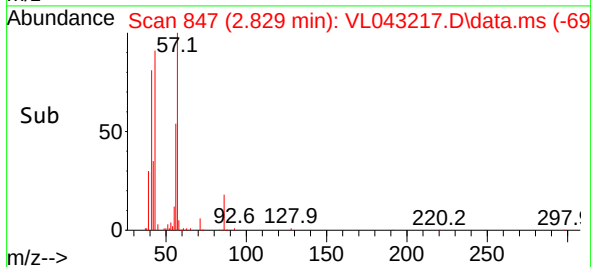
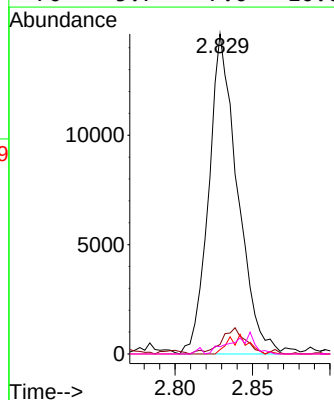
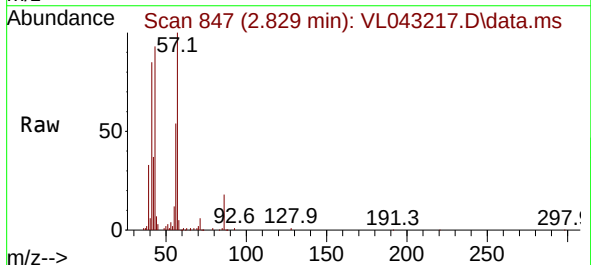
Instrument :
MSVOA_L
ClientSampleId :
IA3

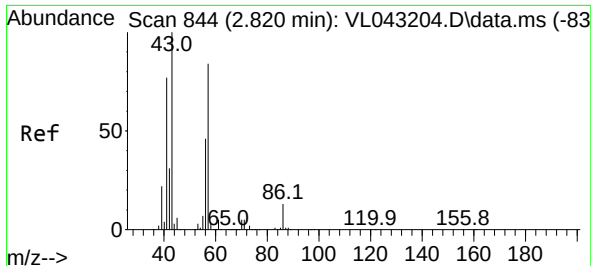
Tgt Ion: 43 Resp: 15068
Ion Ratio Lower Upper
43 100
86 13.3 6.2 9.2#
42 1.5 8.0 12.0#
44 5.9 4.0 6.0



#25
Ethyl Acetate
Concen: 0.632 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 43 Resp: 18873
Ion Ratio Lower Upper
43 100
45 8.0 8.1 12.1#
61 4.3 7.0 10.4#
70 5.7 7.0 10.6#

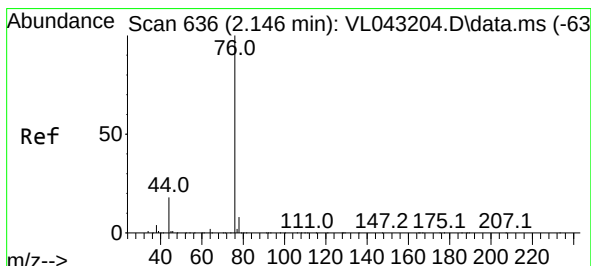
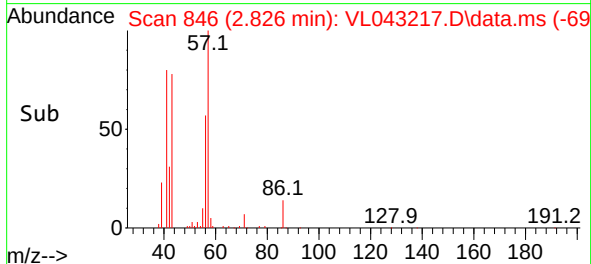
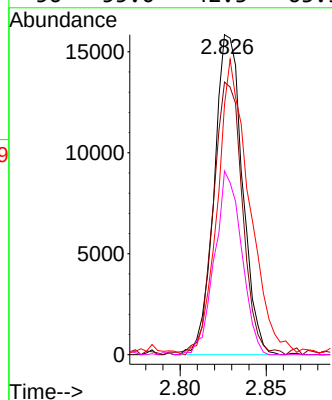
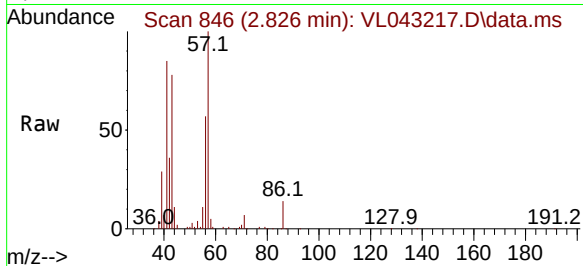




#26
Hexane
Concen: 1.383 ppbv
RT: 2.826 min Scan# 844
Delta R.T. 0.006 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

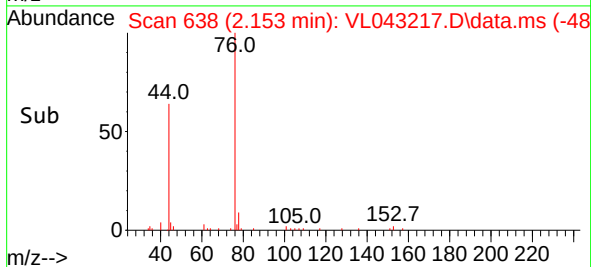
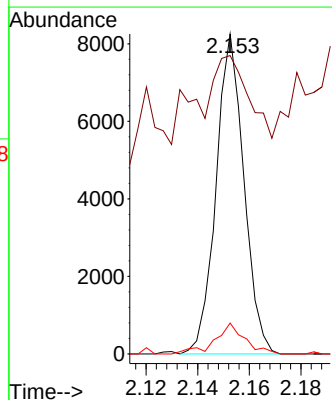
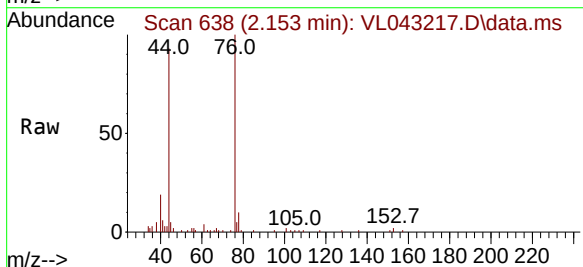
Instrument :
MSVOA_L
ClientSampleId :
IA3

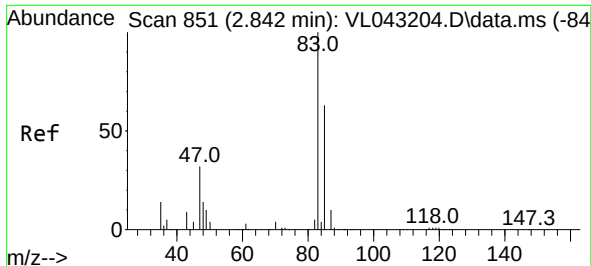
Tgt Ion: 57 Resp: 18114
Ion Ratio Lower Upper
57 100
41 88.6 74.6 111.8
43 102.4 179.0 268.4#
56 55.0 42.3 63.5



#27
Carbon Disulfide
Concen: 0.462 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.006 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 76 Resp: 6178
Ion Ratio Lower Upper
76 100
44 49.4 16.1 24.1#
78 10.4 9.6 14.4





#29

Chloroform

Concen: 0.245 ppbv

RT: 2.848 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

Instrument :

MSVOA_L

ClientSampleId :

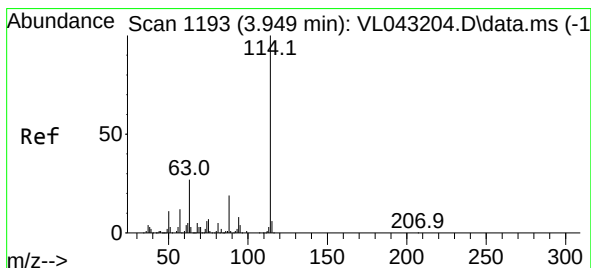
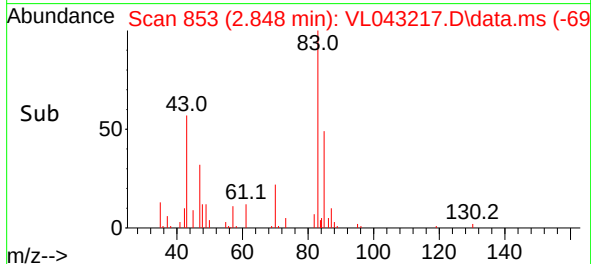
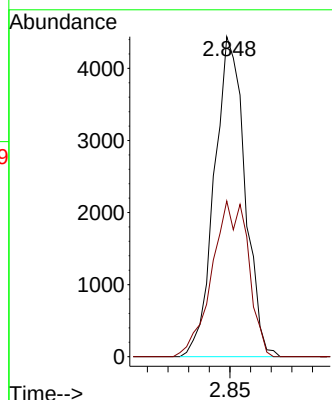
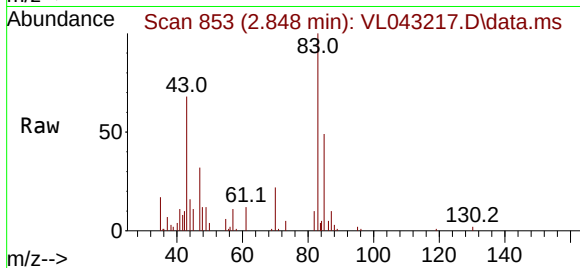
IA3

Tgt Ion: 83 Resp: 4559

Ion Ratio Lower Upper

83 100

85 48.6 50.5 75.7#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.009 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

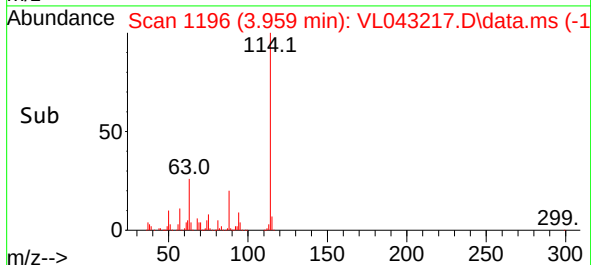
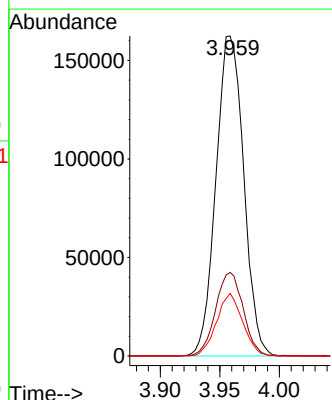
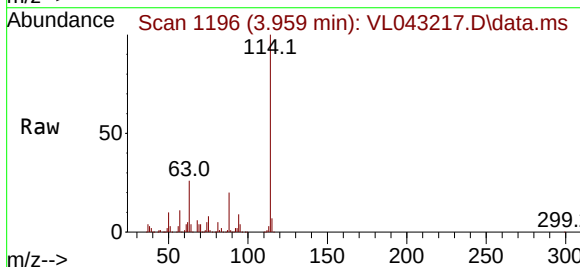
Tgt Ion: 114 Resp: 263141

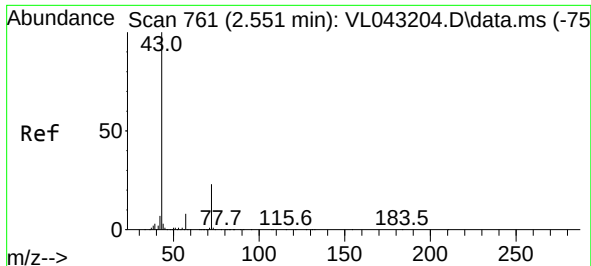
Ion Ratio Lower Upper

114 100

63 25.9 21.0 31.6

88 18.4 14.9 22.3

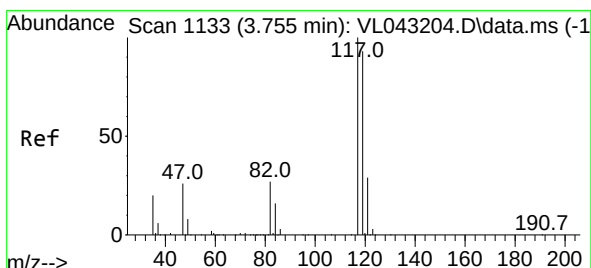
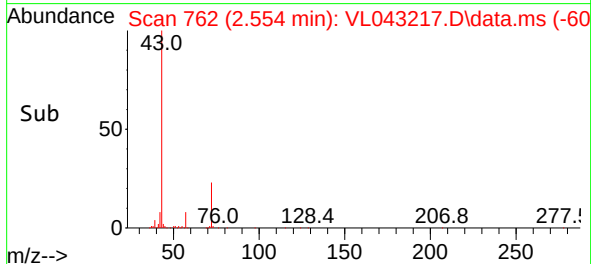
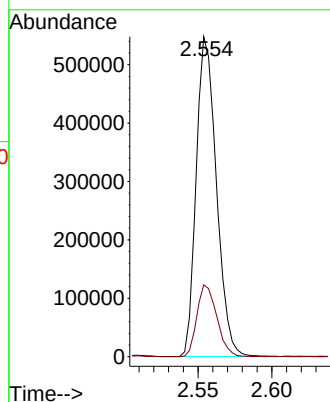
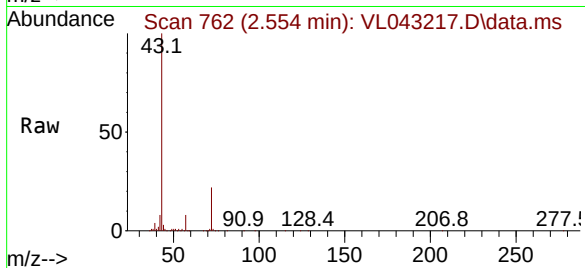




#34
2-Butanone
Concen: 28.076 ppbv
RT: 2.554 min Scan# 761
Delta R.T. 0.003 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

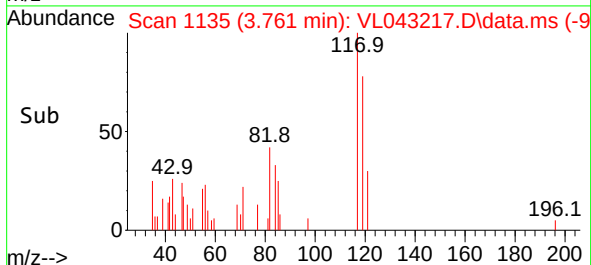
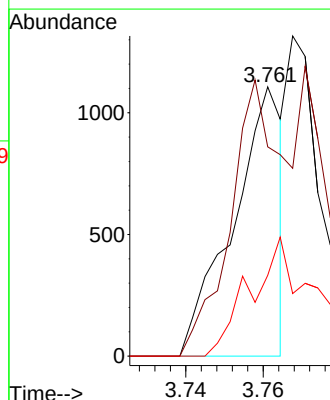
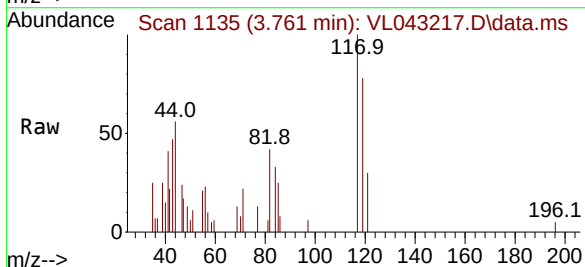
Instrument :
MSVOA_L
ClientSampleId :
IA3

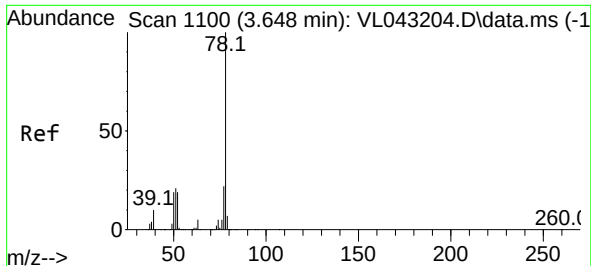
Tgt Ion: 43 Resp: 521507
Ion Ratio Lower Upper
43 100
72 22.3 18.1 27.1



#35
Carbon Tetrachloride
Concen: 0.049 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 117 Resp: 978
Ion Ratio Lower Upper
117 100
119 77.7 74.6 112.0
121 30.0 23.2 34.8

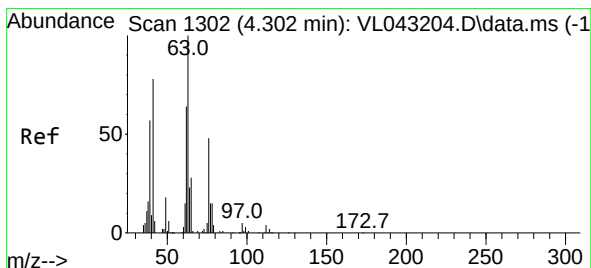
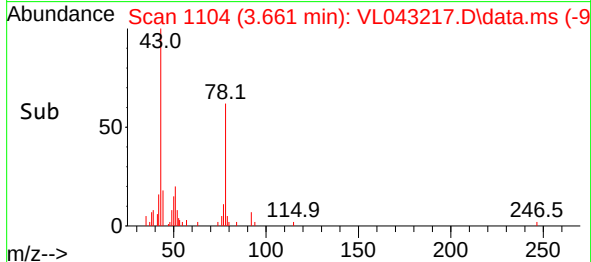
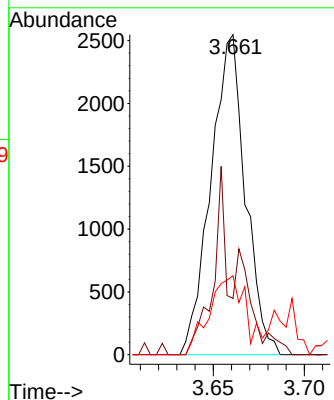
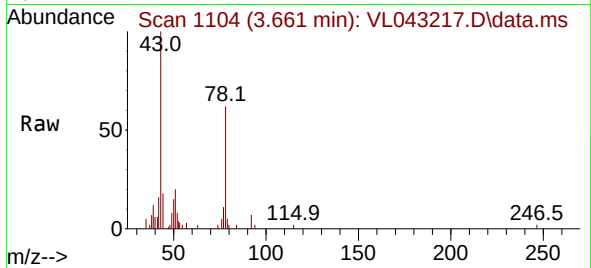




#36
Benzene
Concen: 0.133 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.013 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

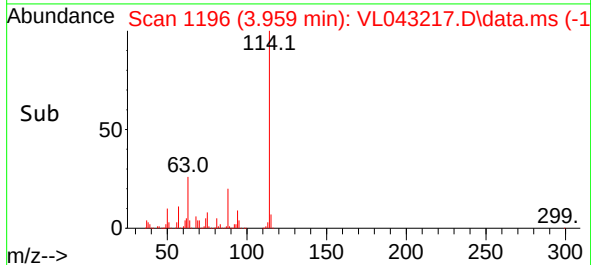
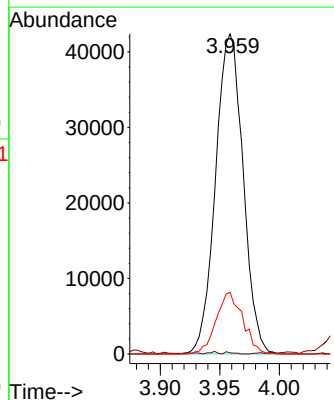
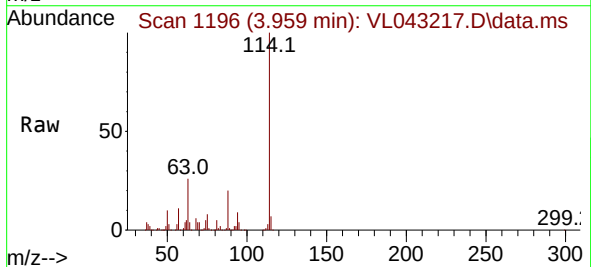
Instrument :
MSVOA_L
ClientSampleId :
IA3

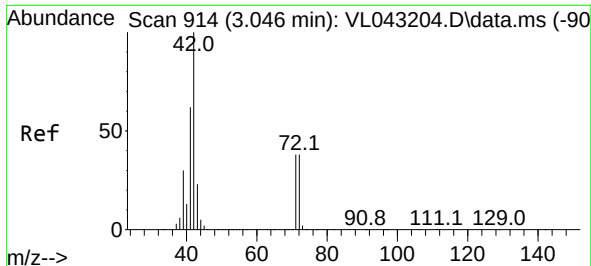
Tgt Ion: 78 Resp: 3353
Ion Ratio Lower Upper
78 100
77 17.6 17.5 26.3
50 24.7 15.5 23.3#



#39
1,2-Dichloropropane
Concen: 7.387 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.343 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 63 Resp: 68130
Ion Ratio Lower Upper
63 100
41 0.2 62.6 93.8#
62 19.2 51.0 76.6#

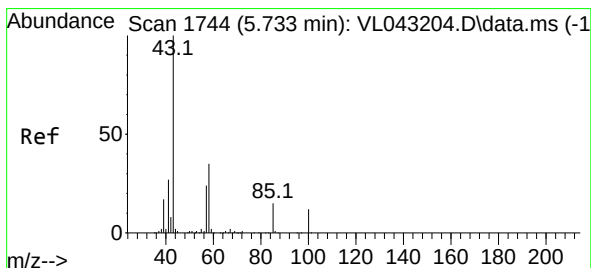
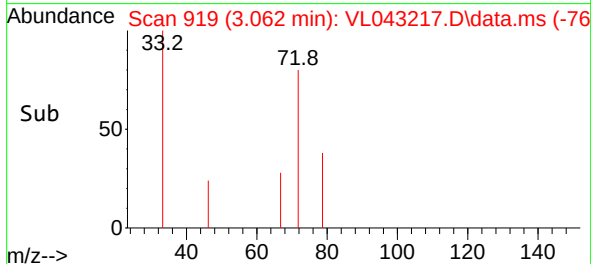
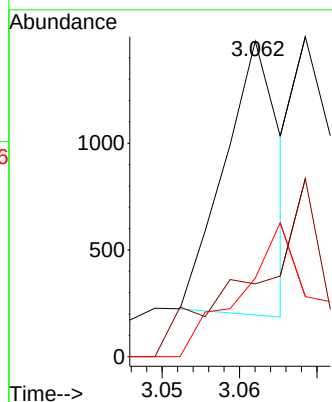
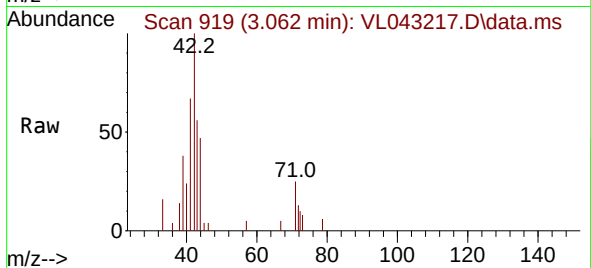




#41
Tetrahydrofuran
Concen: 0.062 ppbv
RT: 3.062 min Scan# 914
Delta R.T. 0.016 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

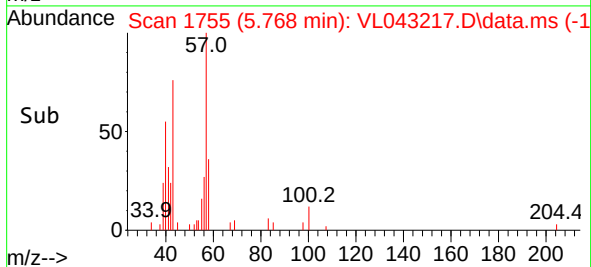
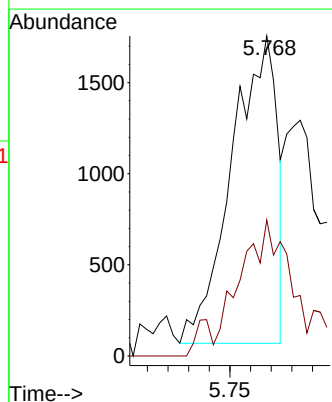
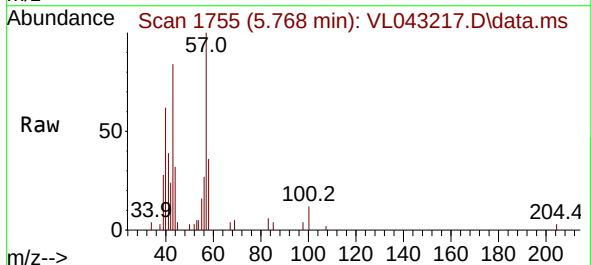
Instrument :
MSVOA_L
ClientSampleId :
IA3

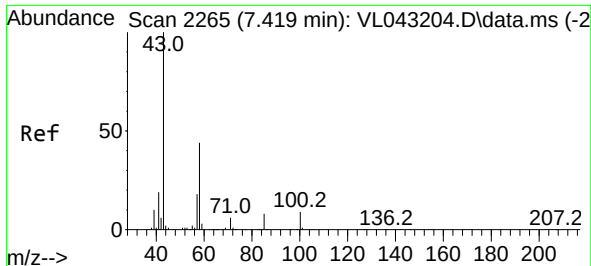
Tgt Ion: 42 Resp: 636
Ion Ratio Lower Upper
42 100
72 0.0 30.6 46.0#
71 0.0 30.5 45.7#



#50
4-Methyl-2-Pentanone
Concen: 0.099 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.035 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 43 Resp: 2582
Ion Ratio Lower Upper
43 100
58 62.4 28.4 42.6#

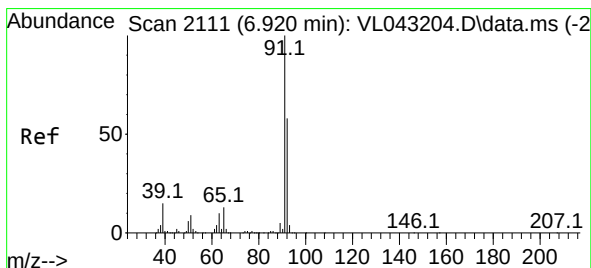
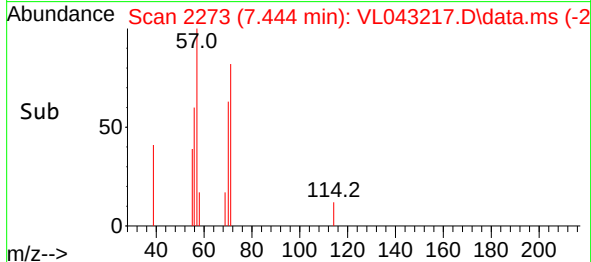
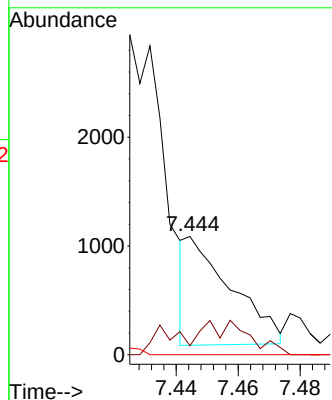
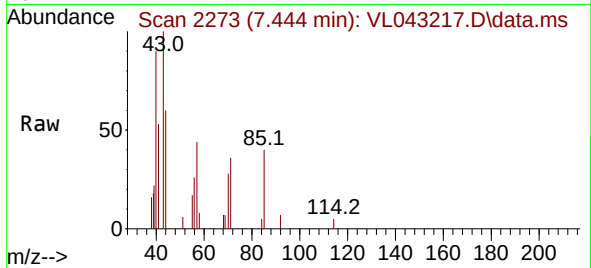




#51
2-Hexanone
Concen: 0.050 ppbv
RT: 7.444 min Scan# 2116
Delta R.T. 0.026 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

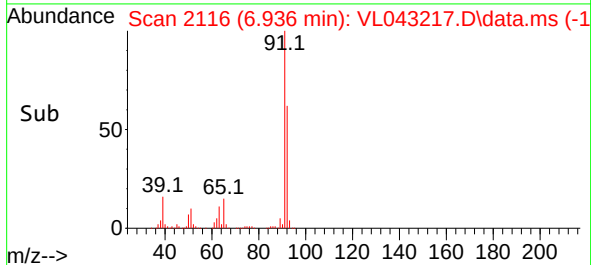
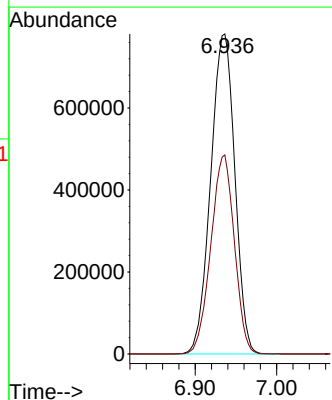
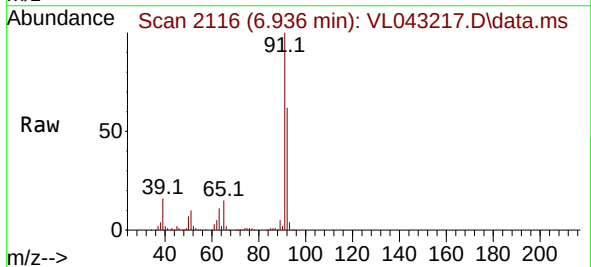
Instrument :
MSVOA_L
ClientSampleId :
IA3

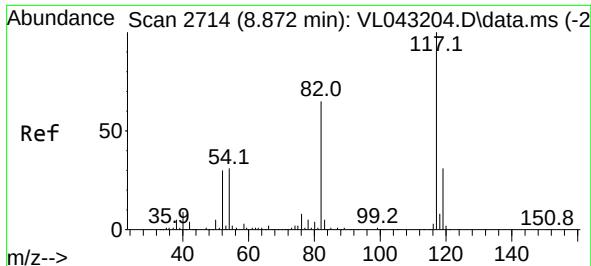
Tgt Ion: 43 Resp: 1015
Ion Ratio Lower Upper
43 100
58 49.3 38.4 57.6
98 0.0 0.0 0.0



#53
Toluene
Concen: 53.871 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.016 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 91 Resp: 1607514
Ion Ratio Lower Upper
91 100
92 60.6 47.4 71.0

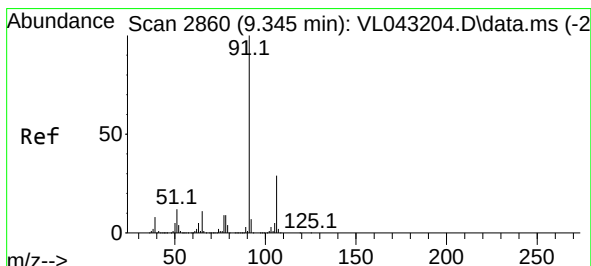
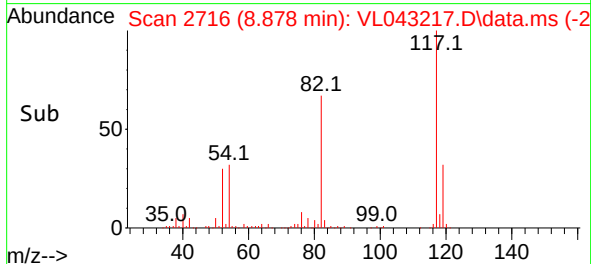
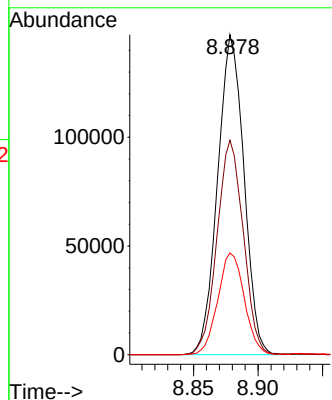
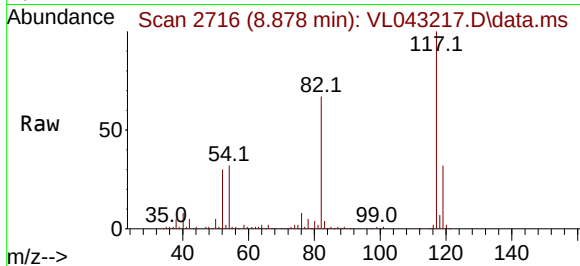




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

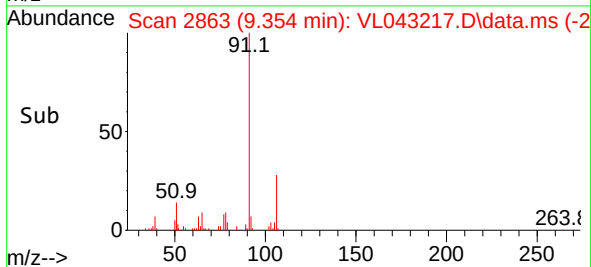
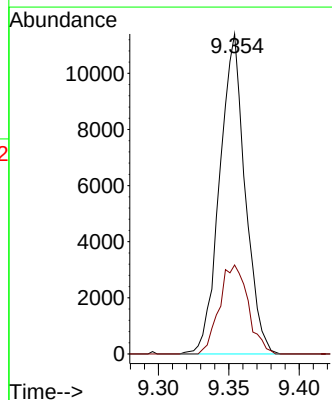
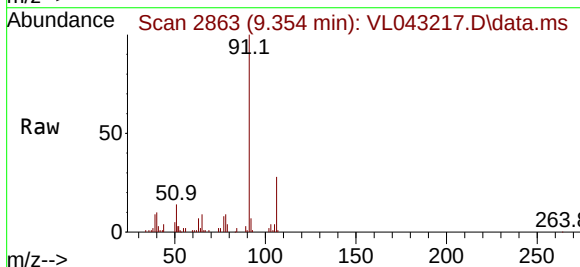
Instrument :
MSVOA_L
ClientSampleId :
IA3

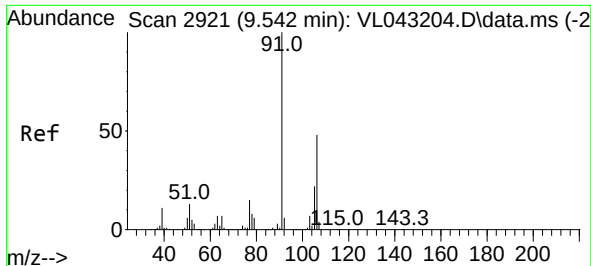
Tgt Ion:117 Resp: 208459
Ion Ratio Lower Upper
117 100
82 67.1 56.1 84.1
119 32.1 25.0 37.6



#58
Ethyl Benzene
Concen: 0.358 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.009 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 91 Resp: 14355
Ion Ratio Lower Upper
91 100
106 27.8 22.8 34.2





#59

m/p-Xylene

Concen: 0.341 ppbv

RT: 9.548 min Scan# 2921

Delta R.T. 0.006 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

Instrument :

MSVOA_L

ClientSampleId :

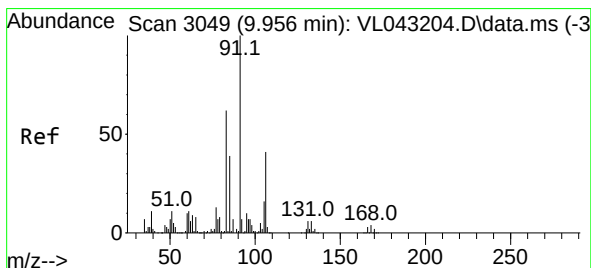
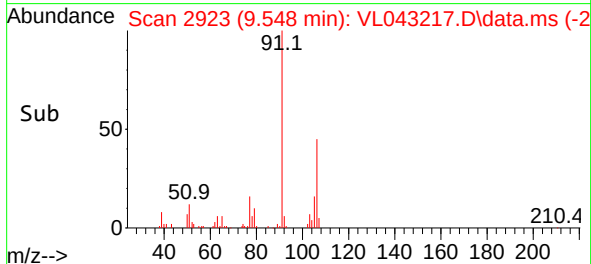
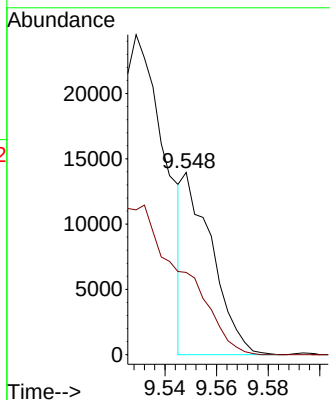
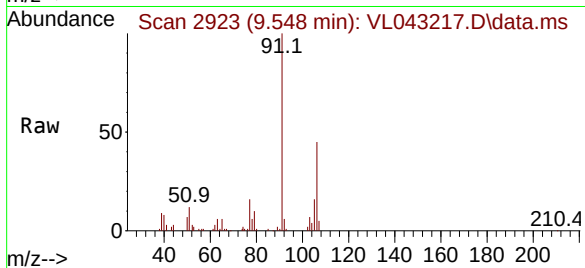
IA3

Tgt Ion: 91 Resp: 10962

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 0.705 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.006 min

Lab File: VL043217.D

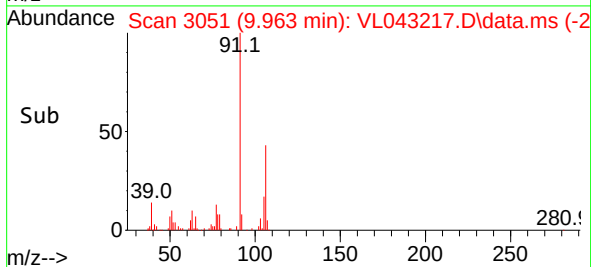
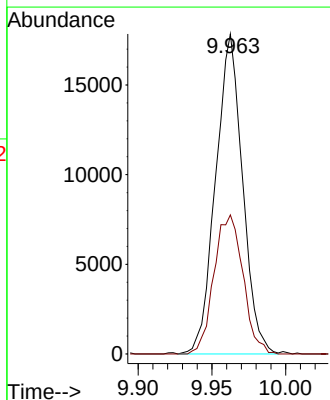
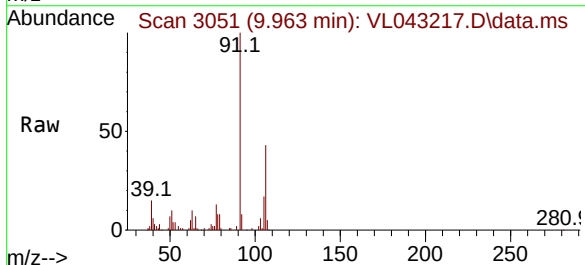
Acq: 18 Nov 2025 17:40

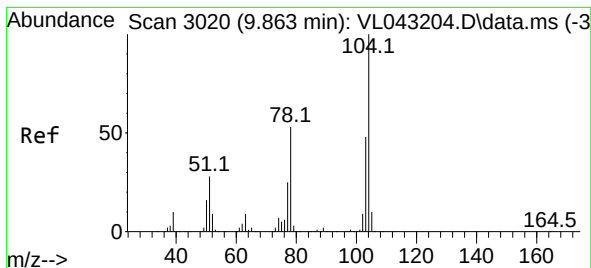
Tgt Ion: 91 Resp: 22645

Ion Ratio Lower Upper

91 100

106 46.8 20.9 62.8





#61

Styrene

Concen: 0.151 ppbv

RT: 9.872 min Scan# 3020

Delta R.T. 0.009 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

Instrument :

MSVOA_L

ClientSampleId :

IA3

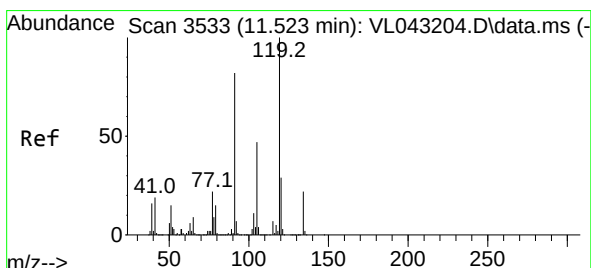
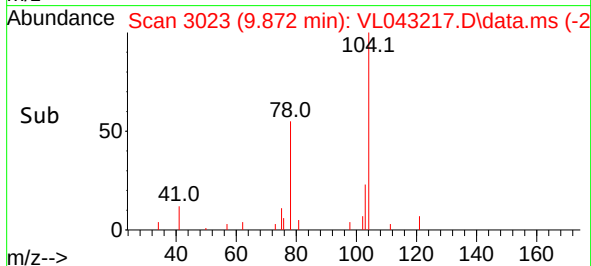
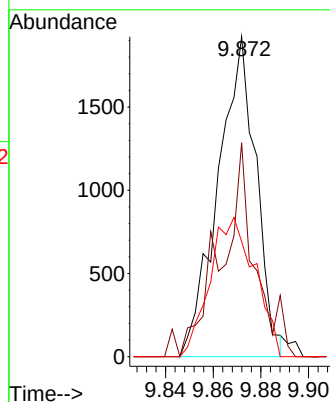
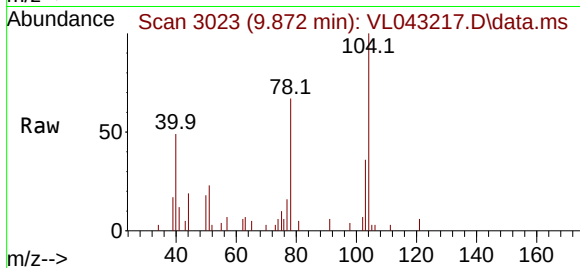
Tgt Ion:104 Resp: 2129

Ion Ratio Lower Upper

104 100

78 60.4 42.1 63.1

103 51.7 37.2 55.8



#65

tert-Butylbenzene

Concen: 0.033 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.009 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

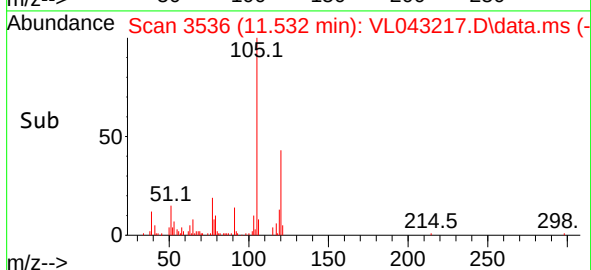
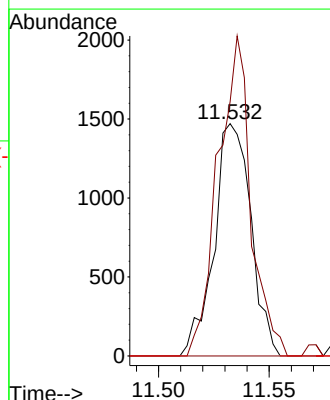
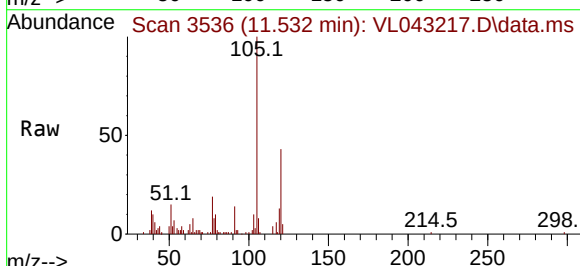
Tgt Ion:119 Resp: 1703

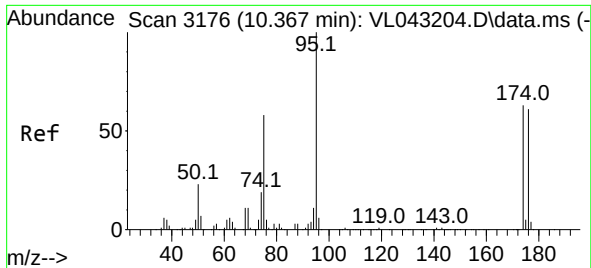
Ion Ratio Lower Upper

119 100

91 124.3 65.3 97.9#

134 0.0 17.0 25.4#

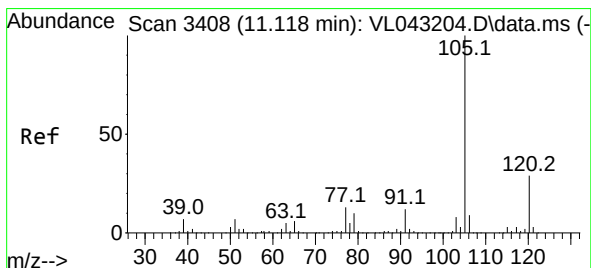
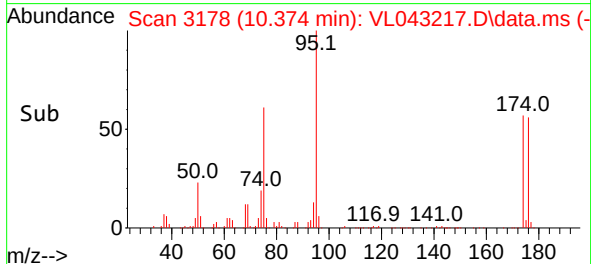
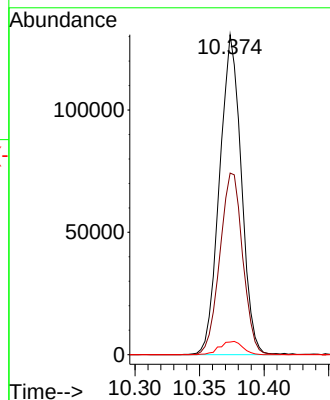
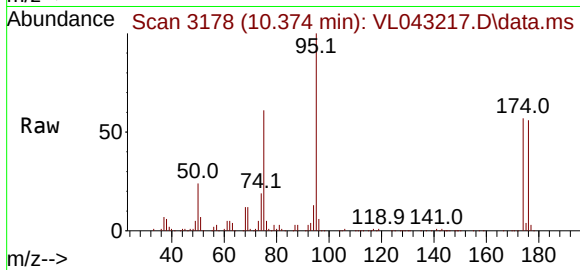




#68
1-Bromo-4-Fluorobenzene
Concen: 9.991 ppbv
RT: 10.374 min Scan# 3176
Delta R.T. 0.006 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

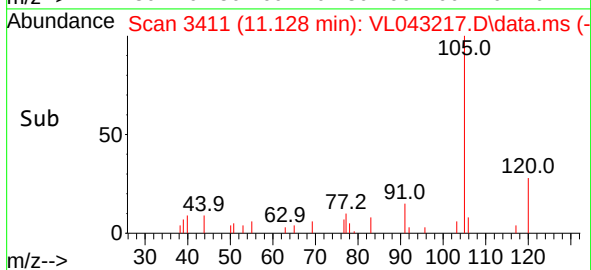
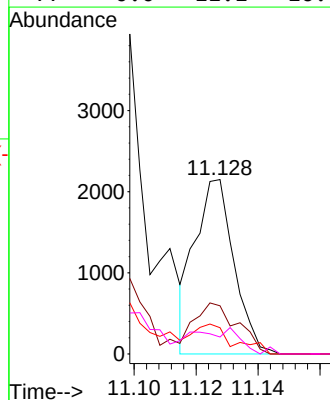
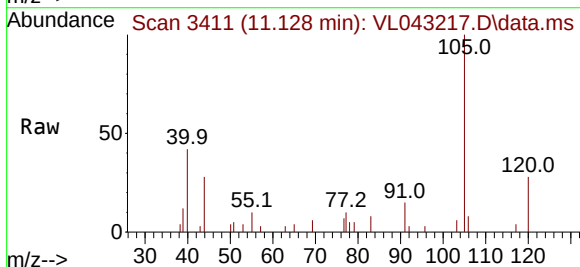
Instrument :
MSVOA_L
ClientSampleId :
IA3

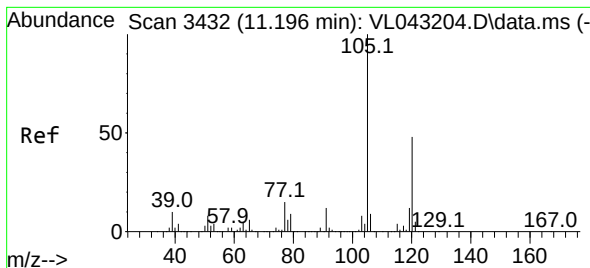
Tgt Ion: 95 Resp: 152659
Ion Ratio Lower Upper
95 100
174 59.9 50.2 75.2
175 4.4 4.1 6.1



#72
4-Ethyltoluene
Concen: 0.048 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.009 min
Lab File: VL043217.D
Acq: 18 Nov 2025 17:40

Tgt Ion: 105 Resp: 1884
Ion Ratio Lower Upper
105 100
120 0.0 23.8 35.8#
91 0.0 10.3 15.5#
77 0.0 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.088 ppbv

RT: 11.202 min Scan# 34

Delta R.T. 0.006 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

Instrument :

MSVOA_L

ClientSampleId :

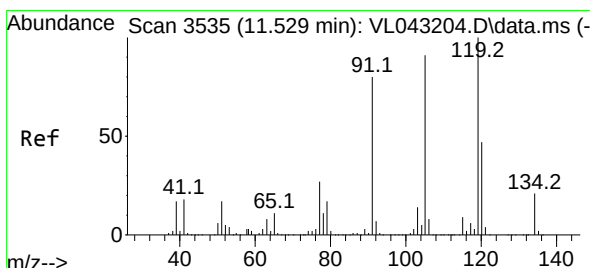
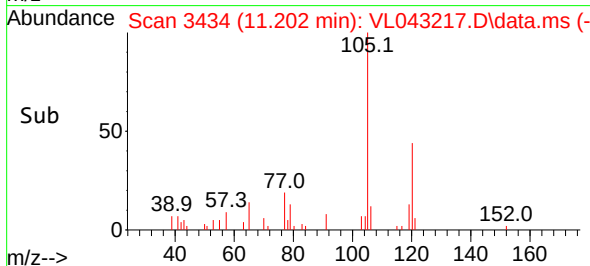
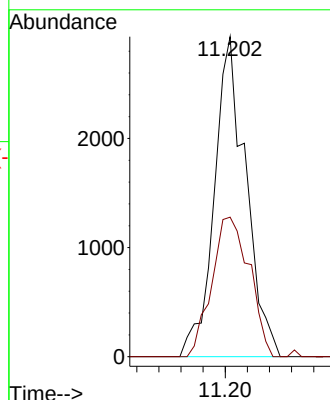
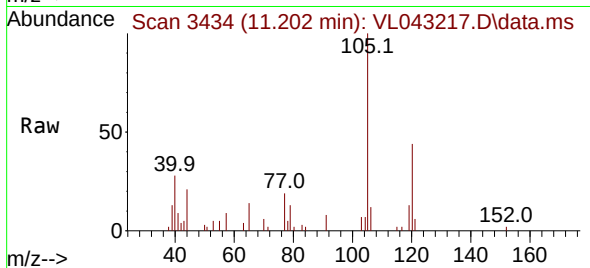
IA3

Tgt Ion:105 Resp: 2897

Ion Ratio Lower Upper

105 100

120 43.6 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.367 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

Tgt Ion:105 Resp: 13137

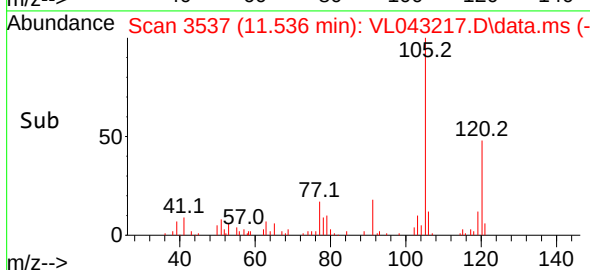
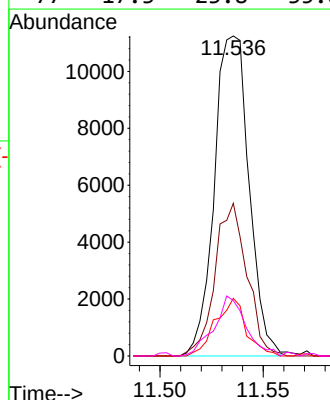
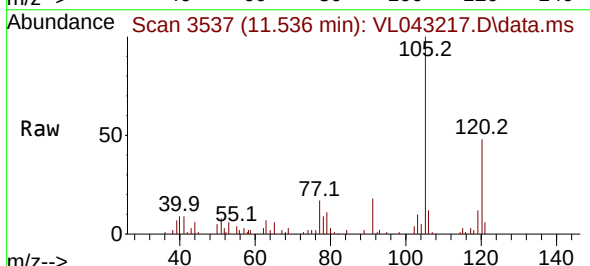
Ion Ratio Lower Upper

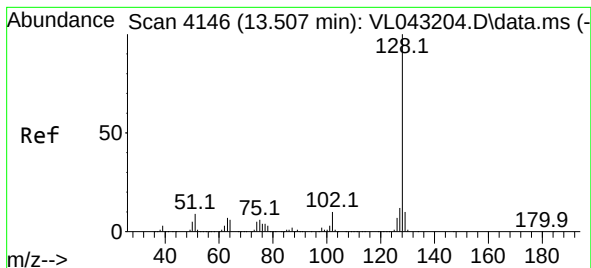
105 100

120 47.7 41.7 62.5

91 18.0 70.0 105.0#

77 17.3 23.8 35.8#





#79

Naphthalene

Concen: 0.180 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. 0.009 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

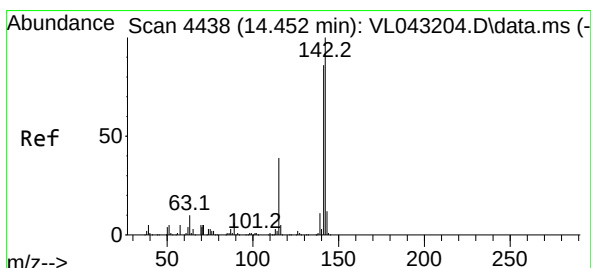
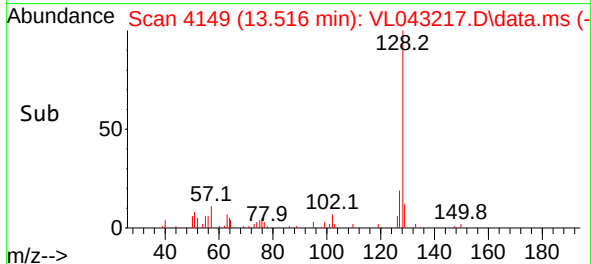
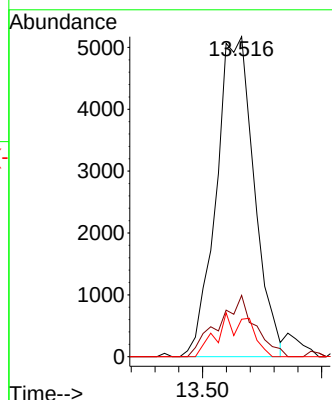
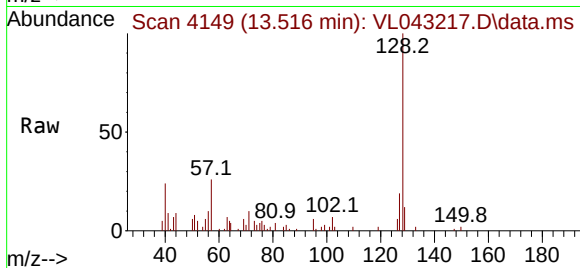
Instrument :

MSVOA_L

ClientSampleId :

IA3

Tgt Ion:	128	Resp:	5717
Ion Ratio	Lower	Upper	
128	100		
127	19.2	9.9	14.9#
129	11.7	8.4	12.6



#80

Naphthalene, 2-methyl-

Concen: 0.098 ppbv

RT: 14.461 min Scan# 4441

Delta R.T. 0.009 min

Lab File: VL043217.D

Acq: 18 Nov 2025 17:40

Tgt Ion:	142	Resp:	822
Ion Ratio	Lower	Upper	
142	100		
141	113.1	67.1	100.7#
115	45.5	31.9	47.9

