

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043265.D
 Acq On : 20 Nov 2025 15:06
 Operator : SY/MD
 Sample : Q355-05 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5

Quant Time: Nov 21 00:39:34 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)

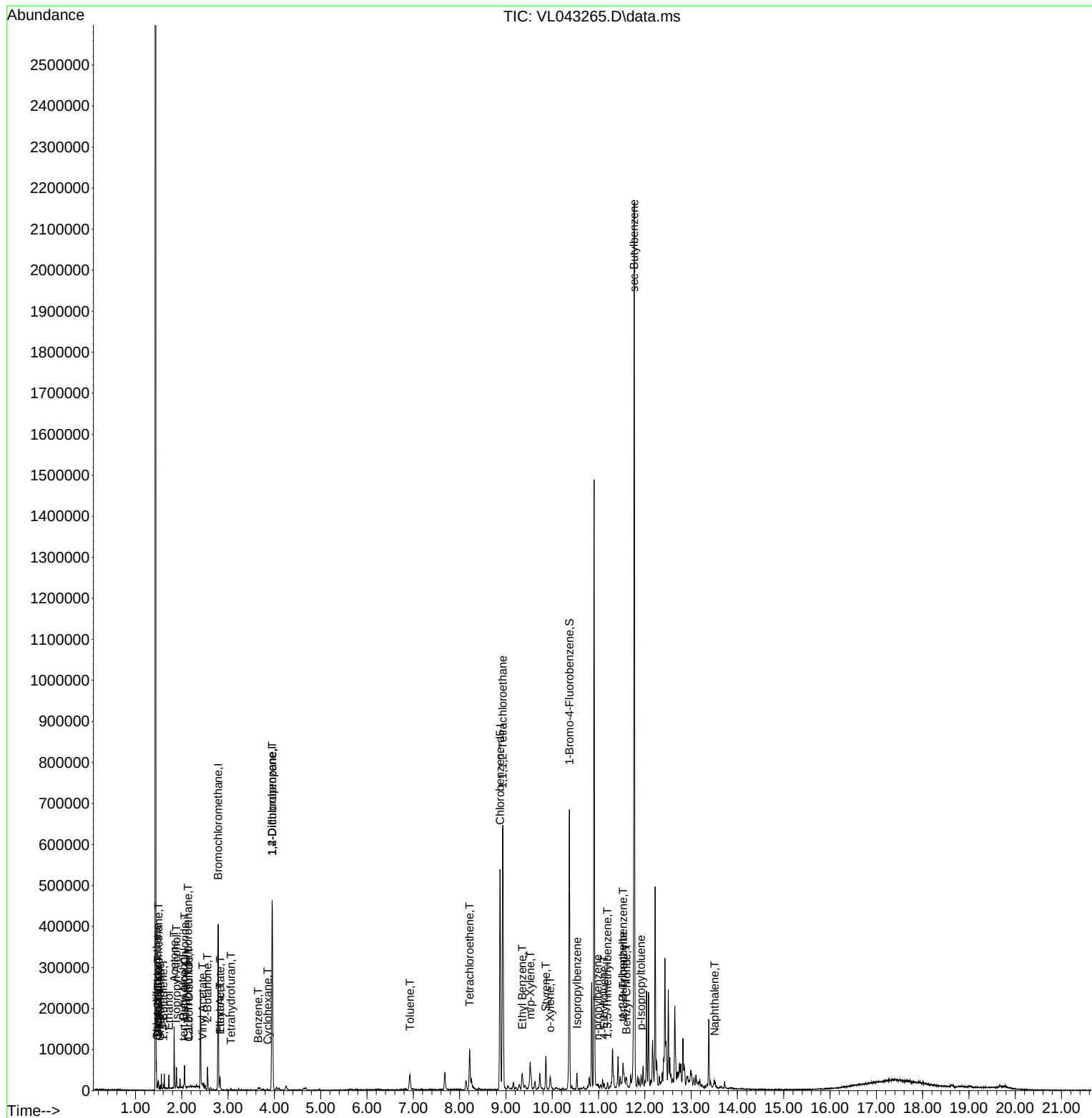
Internal Standards						
1) Bromochloromethane	2.784	49	104404	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	273214	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	215431	10.000	ppbv	0.00

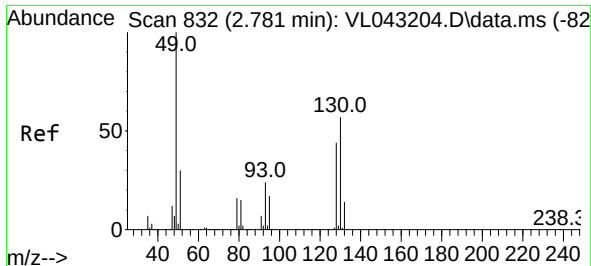
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	166134	10.521	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	4231	0.287	ppbv #	83
3) Chlorodifluoromethane	1.466	51	6144	0.424	ppbv #	77
4) Chloromethane	1.531	50	2226	0.404	ppbv	94
5) Vinyl Chloride	1.486	62	246	0.041	ppbv #	41
9) Propene	1.489	41	1663	0.270	ppbv #	1
12) 1,1,2-Trichlorotrifluo...	2.136	101	422	0.038	ppbv	86
13) Ethanol	1.722	45	11522	5.328	ppbv	98
15) Acetone	1.835	43	67707	4.668	ppbv	97
16) 1,3-Butadiene	1.599	39	1272	0.197	ppbv #	12
17) tert-Butyl alcohol	2.039	59	2783	0.146	ppbv #	88
19) Isopropyl Alcohol	1.884	45	18854	2.300	ppbv #	21
20) Methylene Chloride	2.062	84	7368	1.019	ppbv	96
23) Vinyl Acetate	2.450	43	5382	0.307	ppbv #	89
25) Ethyl Acetate	2.829	43	6332	0.202	ppbv #	70
26) Hexane	2.826	57	6491	0.473	ppbv #	48
27) Carbon Disulfide	2.149	76	707	0.050	ppbv #	1
30) Cyclohexane	3.855	84	575	0.050	ppbv #	62
34) 2-Butanone	2.554	43	33252	1.724	ppbv	98
36) Benzene	3.651	78	2152	0.082	ppbv #	83
39) 1,2-Dichloropropane	3.952	63	70299	7.341	ppbv #	23
41) Tetrahydrofuran	3.062	42	1258	0.118	ppbv	94
52) Tetrachloroethene	8.218	164	16991	1.746	ppbv	91
53) Toluene	6.926	91	11980	0.387	ppbv #	16
56) 1,1,1,2-Tetrachloroethane	8.930	131	781	0.049	ppbv #	1
58) Ethyl Benzene	9.351	91	11600	0.280	ppbv	98
59) m/p-Xylene	9.526	91	28979	0.872	ppbv #	78
60) o-Xylene	9.956	91	11915	0.359	ppbv	91
61) Styrene	9.862	104	27380	1.884	ppbv	98
62) Isopropylbenzene	10.535	105	16584	0.279	ppbv	99
64) n-propylbenzene	10.982	120	758	0.050	ppbv	84
65) tert-Butylbenzene	11.526	119	2131	0.040	ppbv #	18
66) Benzyl Chloride	11.600	91	218	0.040	ppbv #	1
67) sec-Butylbenzene	11.769	105	5032	0.068	ppbv #	1
69) p-Isopropyltoluene	11.917	119	9686	0.154	ppbv	95
72) 4-Ethyltoluene	11.121	105	3652	0.090	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.192	105	1785	0.053	ppbv	89
74) 1,2,4-Trimethylbenzene	11.529	105	15609	0.421	ppbv #	54
79) Naphthalene	13.507	128	1474	0.045	ppbv #	69

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

Quant Time: Nov 21 00:39:34 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

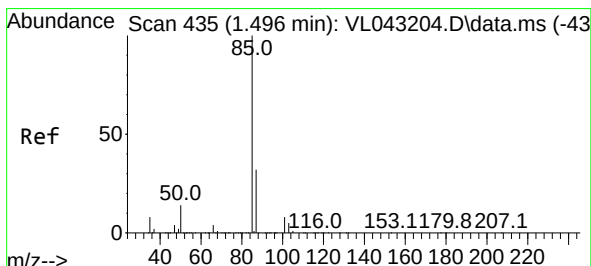
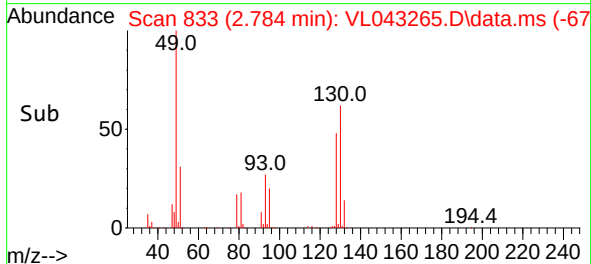
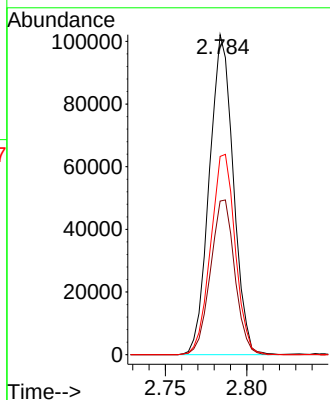
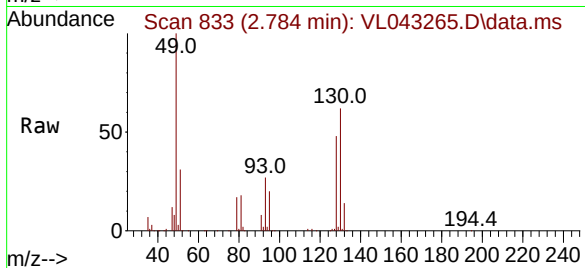




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

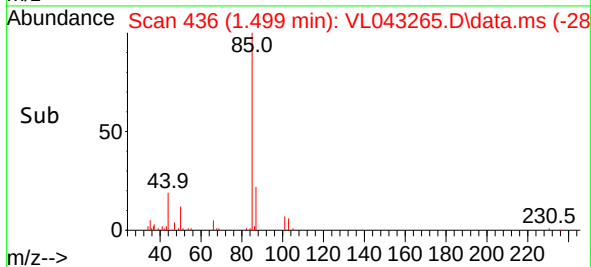
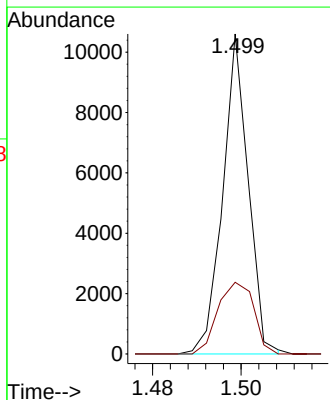
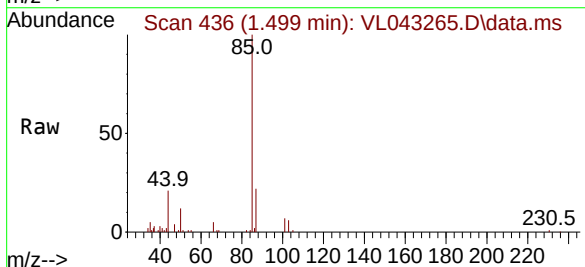
Instrument :
MSVOA_L
ClientSampleId :
SG-5

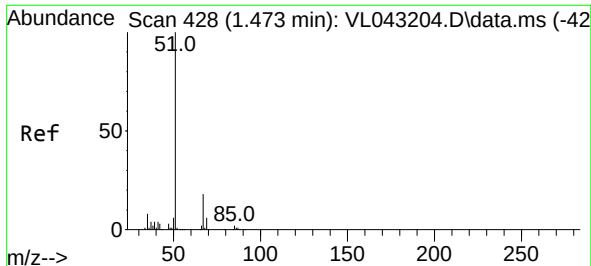
Tgt Ion: 49 Resp: 104404
Ion Ratio Lower Upper
49 100
128 49.0 23.0 69.0
130 64.2 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.287 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 85 Resp: 4231
Ion Ratio Lower Upper
85 100
87 22.4 25.4 38.2#

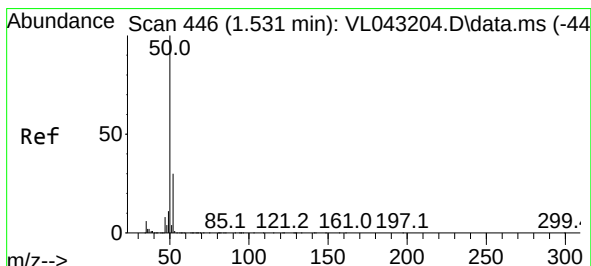
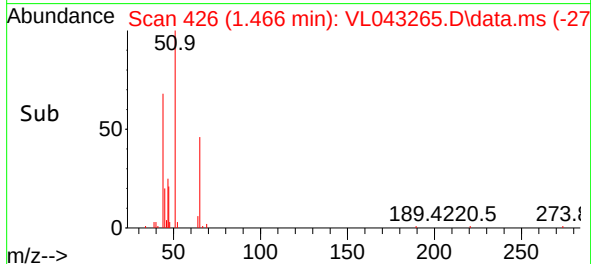
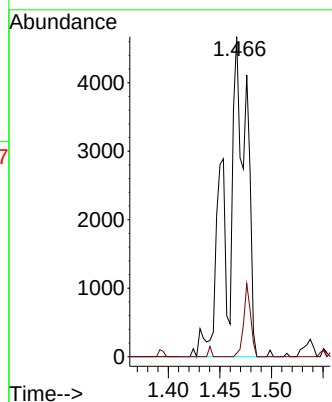
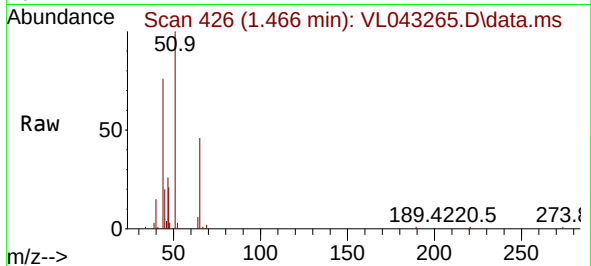




#3
Chlorodifluoromethane
Concen: 0.424 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

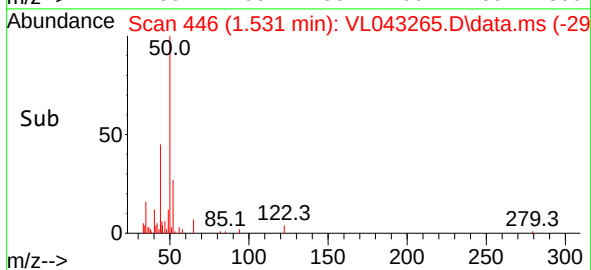
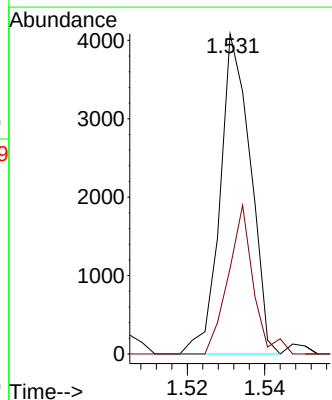
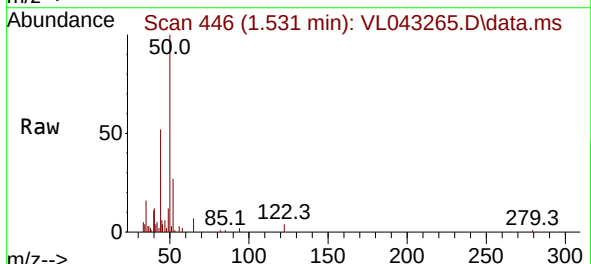
Instrument :
MSVOA_L
ClientSampleId :
SG-5

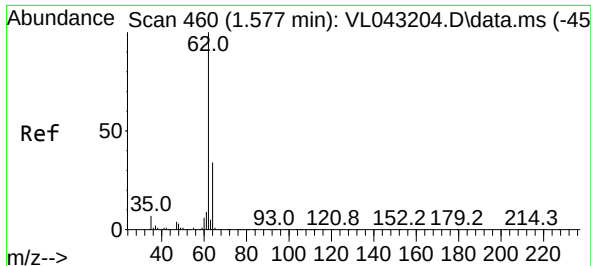
Tgt Ion: 51 Resp: 6144
Ion Ratio Lower Upper
51 100
67 8.1 14.9 22.3#



#4
Chloromethane
Concen: 0.404 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 50 Resp: 2226
Ion Ratio Lower Upper
50 100
52 26.8 24.1 36.1

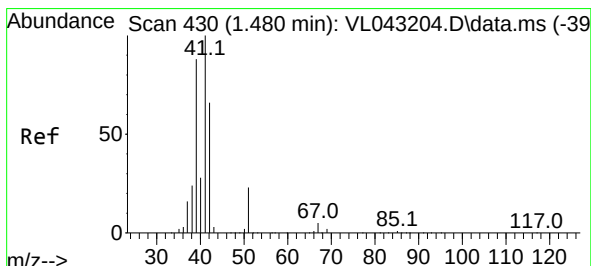
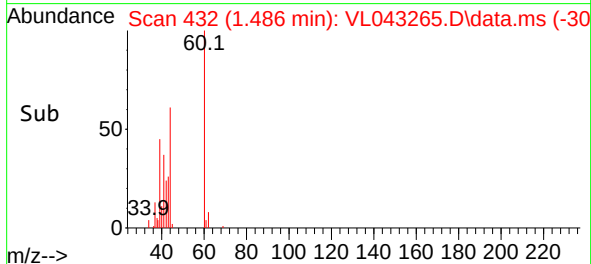
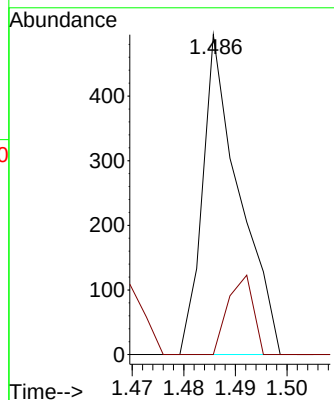
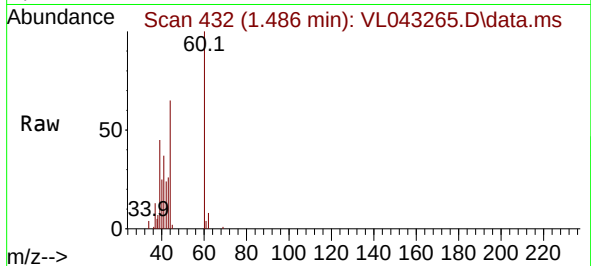




#5
 Vinyl Chloride
 Concen: 0.041 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.091 min
 Lab File: VL043265.D
 Acq: 20 Nov 2025 15:06

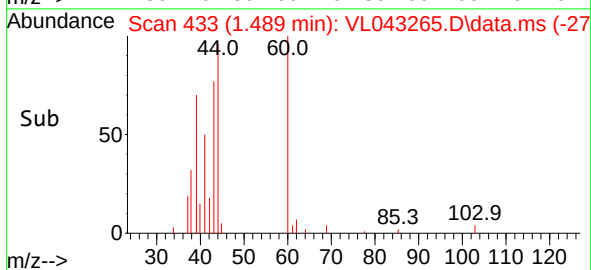
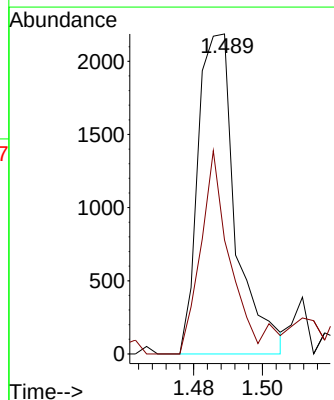
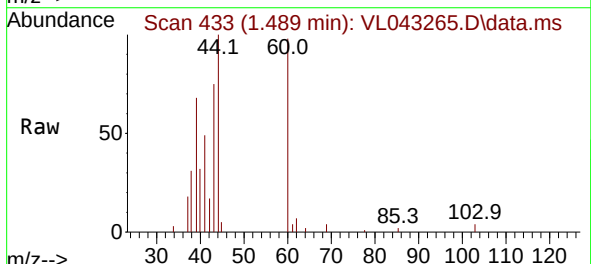
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5

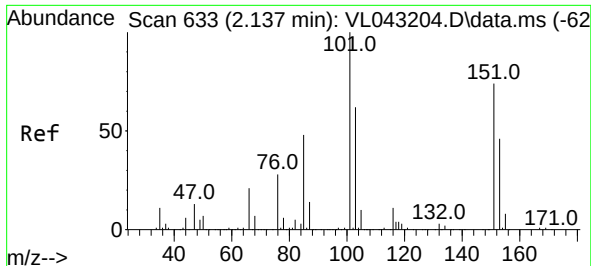
Tgt Ion: 62 Resp: 246
 Ion Ratio Lower Upper
 62 100
 64 0.0 27.3 40.9#



#9
 Propene
 Concen: 0.270 ppbv
 RT: 1.489 min Scan# 433
 Delta R.T. 0.009 min
 Lab File: VL043265.D
 Acq: 20 Nov 2025 15:06

Tgt Ion: 41 Resp: 1663
 Ion Ratio Lower Upper
 41 100
 42 64.6 3.7 5.5#

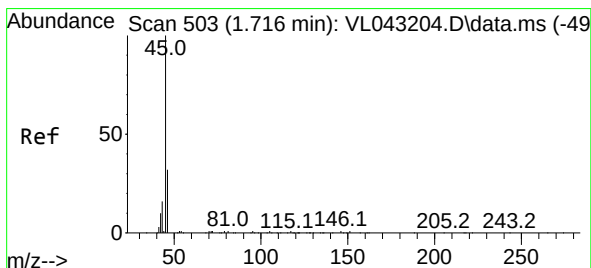
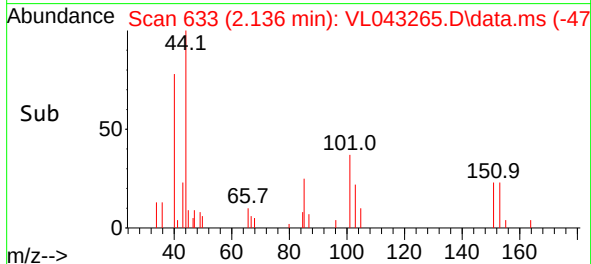
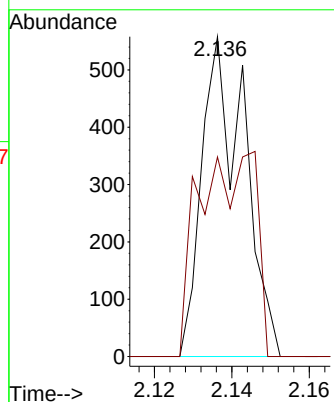
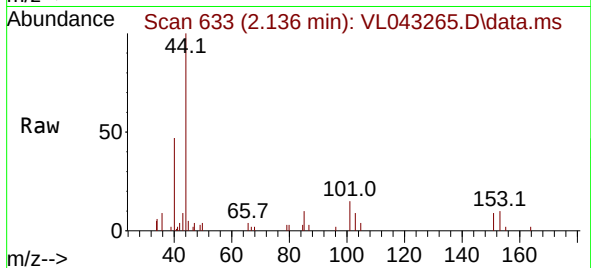




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.038 ppbv
 RT: 2.136 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043265.D
 Acq: 20 Nov 2025 15:06

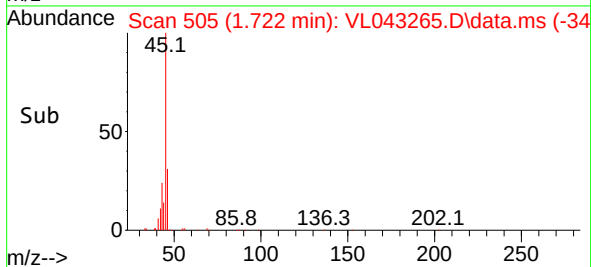
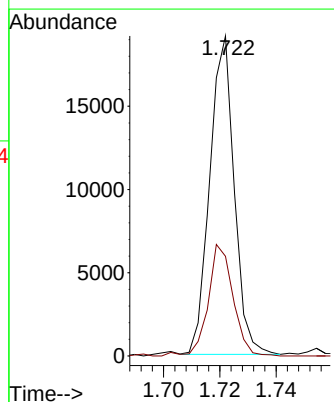
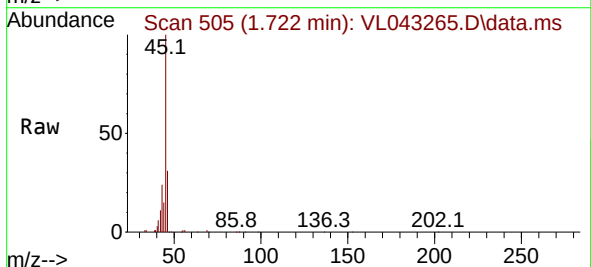
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5

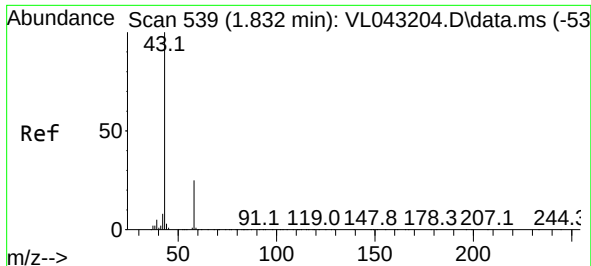
Tgt Ion:101 Resp: 422
 Ion Ratio Lower Upper
 101 100
 151 86.3 59.2 88.8



#13
 Ethanol
 Concen: 5.328 ppbv
 RT: 1.722 min Scan# 505
 Delta R.T. 0.006 min
 Lab File: VL043265.D
 Acq: 20 Nov 2025 15:06

Tgt Ion: 45 Resp: 11522
 Ion Ratio Lower Upper
 45 100
 46 36.0 15.0 59.8

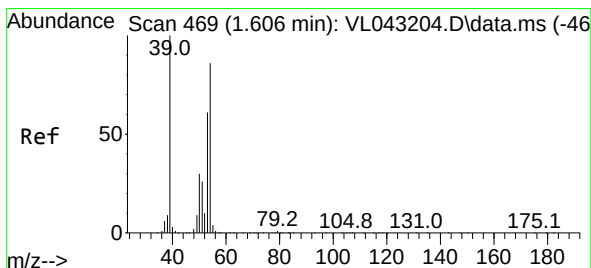
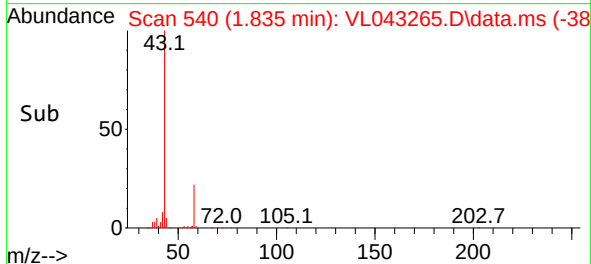
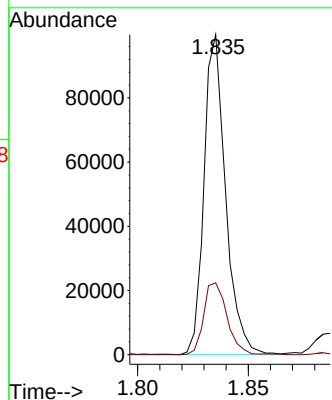
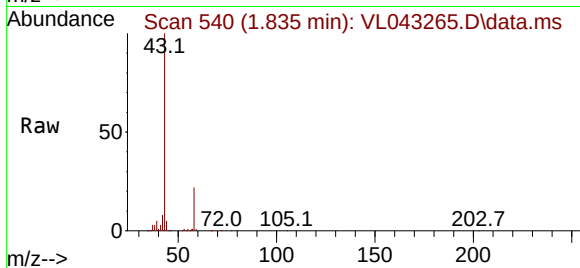




#15
Acetone
Concen: 4.668 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

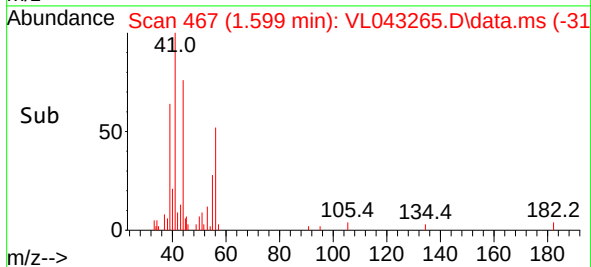
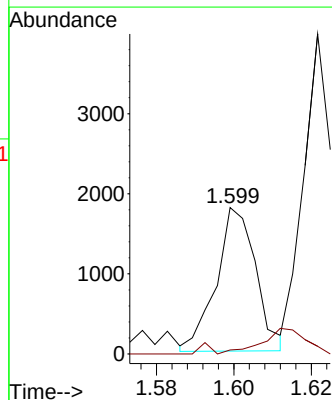
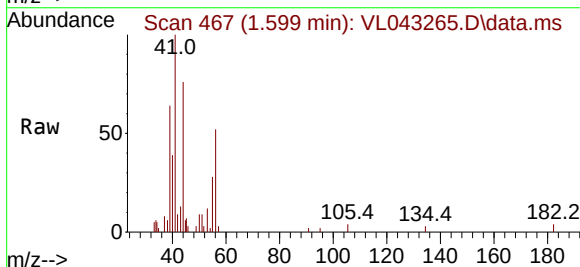
Instrument :
MSVOA_L
ClientSampleId :
SG-5

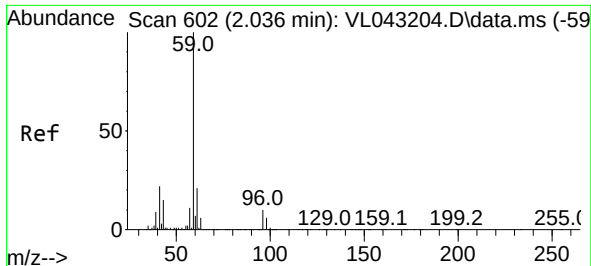
Tgt Ion: 43 Resp: 67707
Ion Ratio Lower Upper
43 100
58 24.3 20.7 31.1



#16
1,3-Butadiene
Concen: 0.197 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.007 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 39 Resp: 1272
Ion Ratio Lower Upper
39 100
54 0.0 59.4 89.2#





#17

tert-Butyl alcohol

Concen: 0.146 ppbv

RT: 2.039 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL043265.D

Acq: 20 Nov 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

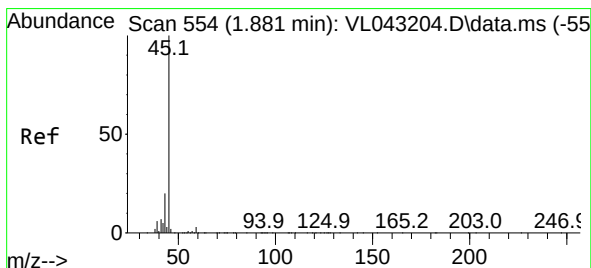
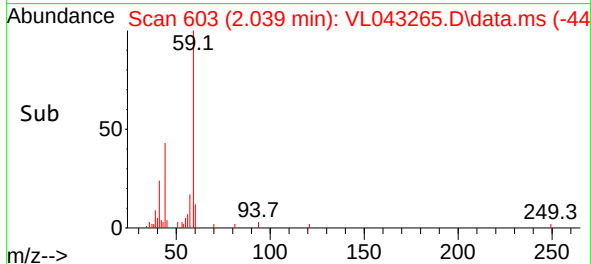
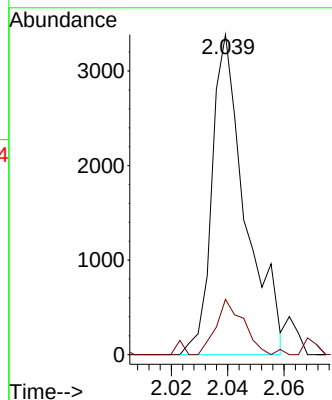
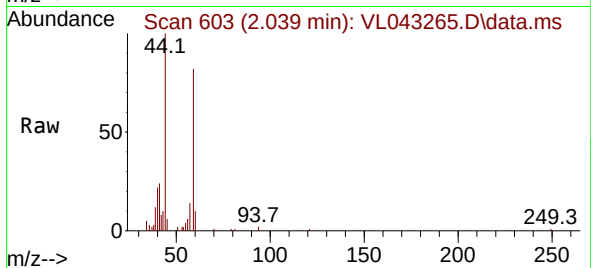
SG-5

Tgt Ion: 59 Resp: 2783

Ion Ratio Lower Upper

59 100

57 15.6 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 2.300 ppbv

RT: 1.884 min Scan# 555

Delta R.T. 0.003 min

Lab File: VL043265.D

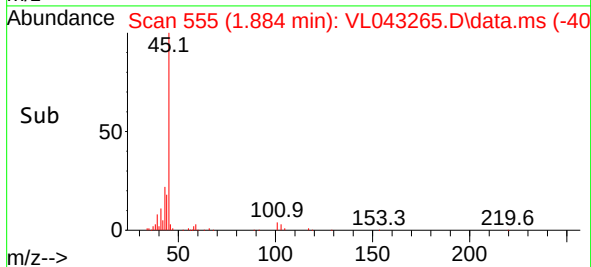
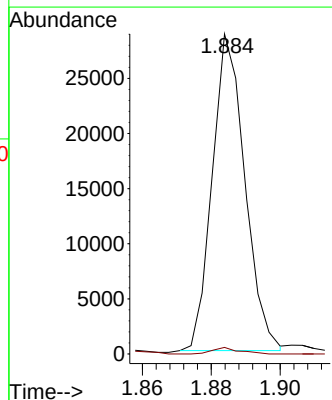
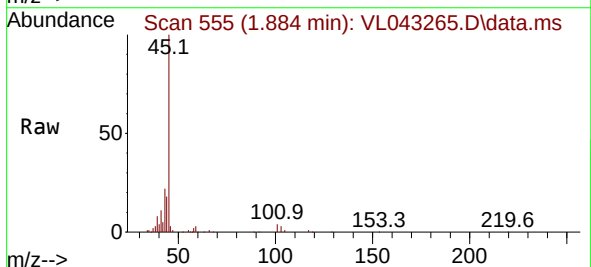
Acq: 20 Nov 2025 15:06

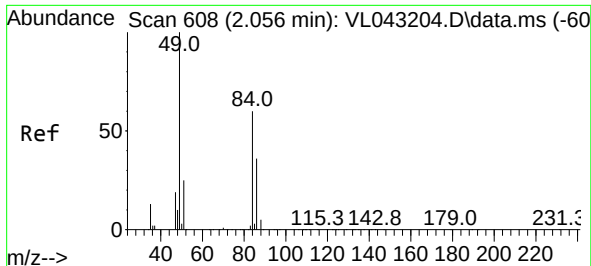
Tgt Ion: 45 Resp: 18854

Ion Ratio Lower Upper

45 100

58 87.3 31.3 46.9#





#20

Methylene Chloride

Concen: 1.019 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.006 min

Lab File: VL043265.D

Acq: 20 Nov 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

SG-5

Tgt Ion: 84 Resp: 7368

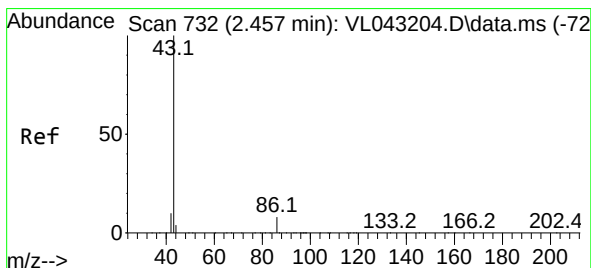
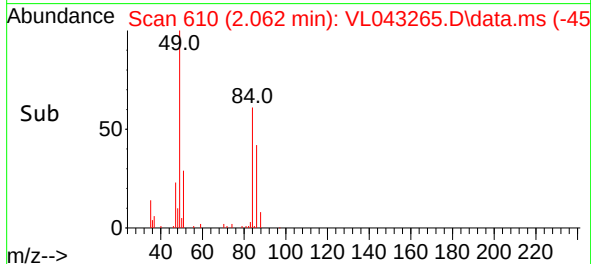
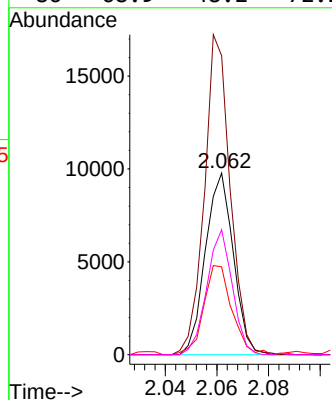
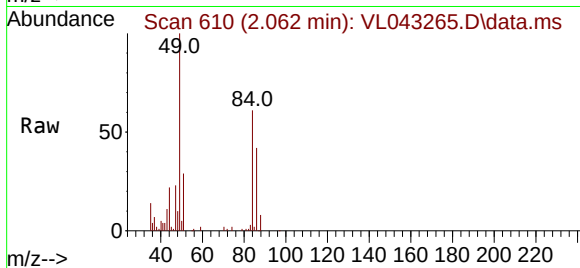
Ion Ratio Lower Upper

84 100

49 164.7 132.9 199.3

51 47.7 34.8 52.2

86 68.9 48.2 72.2



#23

Vinyl Acetate

Concen: 0.307 ppbv

RT: 2.450 min Scan# 730

Delta R.T. -0.007 min

Lab File: VL043265.D

Acq: 20 Nov 2025 15:06

Tgt Ion: 43 Resp: 5382

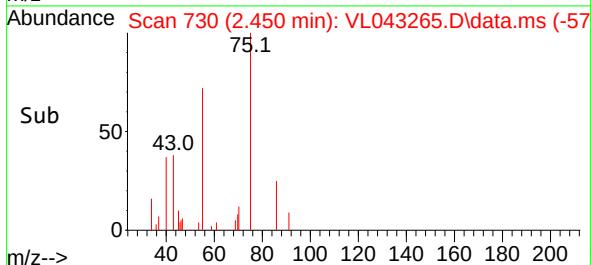
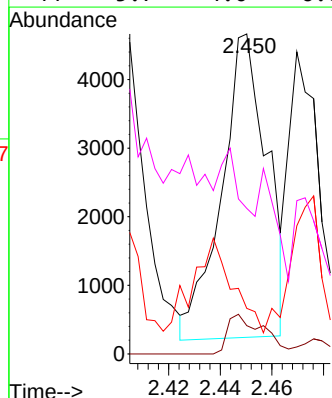
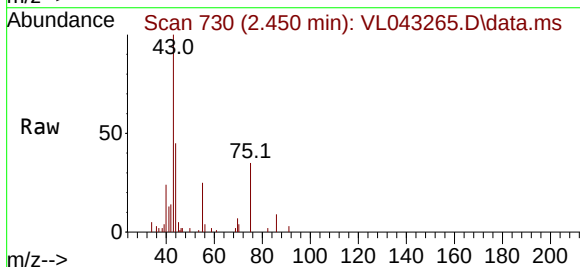
Ion Ratio Lower Upper

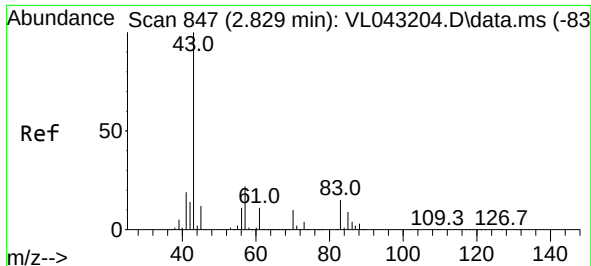
43 100

86 10.0 6.2 9.2#

42 3.2 8.0 12.0#

44 5.7 4.0 6.0

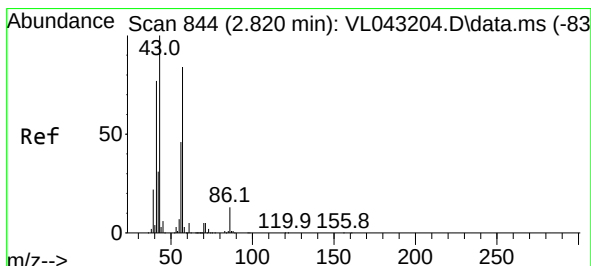
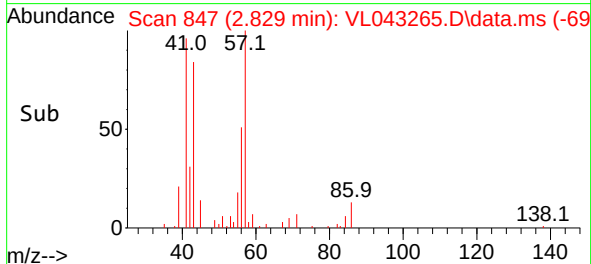
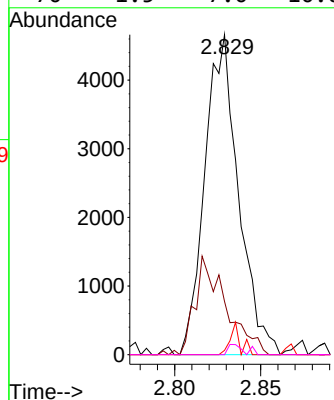
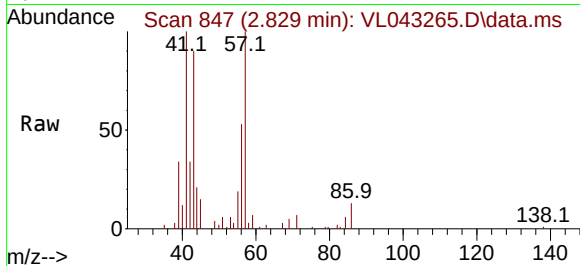




#25
Ethyl Acetate
Concen: 0.202 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

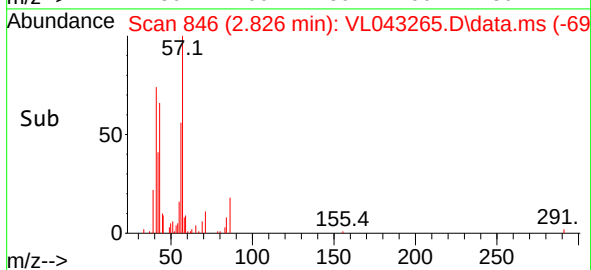
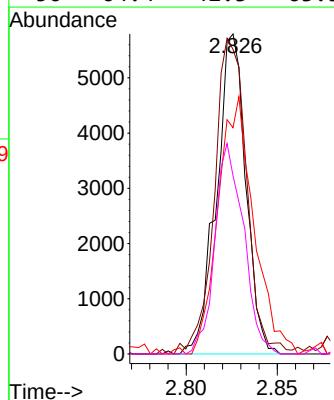
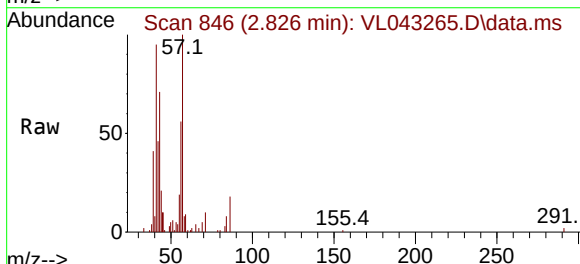
Instrument :
MSVOA_L
ClientSampleId :
SG-5

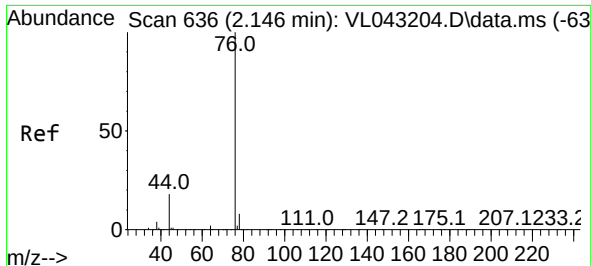
Tgt Ion:	43	Resp:	6332
Ion	Ratio	Lower	Upper
43	100		
45	28.7	8.1	12.1#
61	2.9	7.0	10.4#
70	1.5	7.0	10.6#



#26
Hexane
Concen: 0.473 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:	57	Resp:	6491
Ion	Ratio	Lower	Upper
57	100		
41	108.9	74.6	111.8
43	101.1	179.0	268.4#
56	64.4	42.3	63.5#

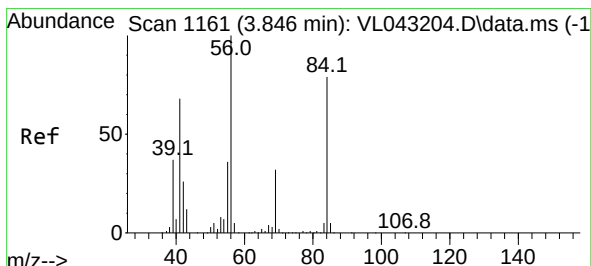
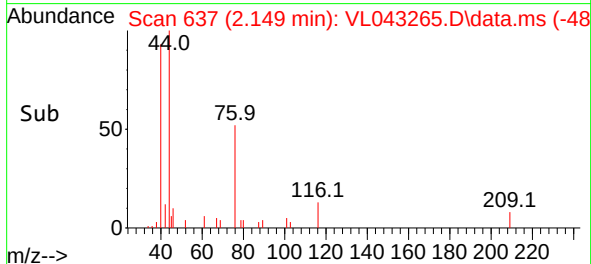
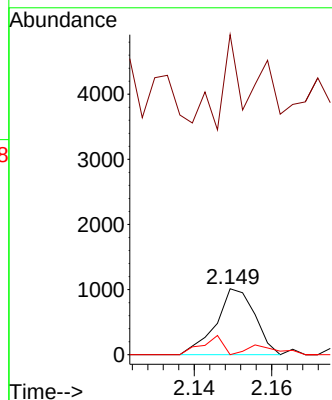
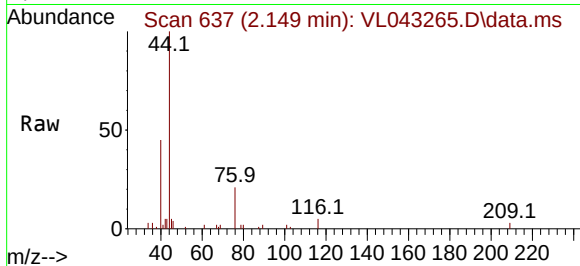




#27
Carbon Disulfide
Concen: 0.050 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

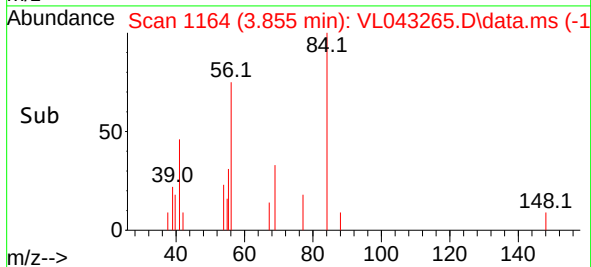
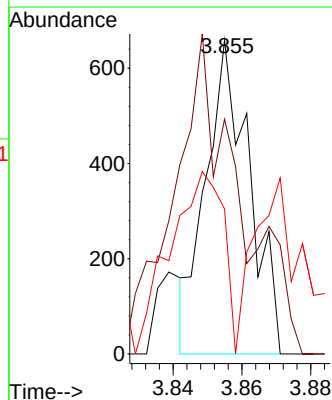
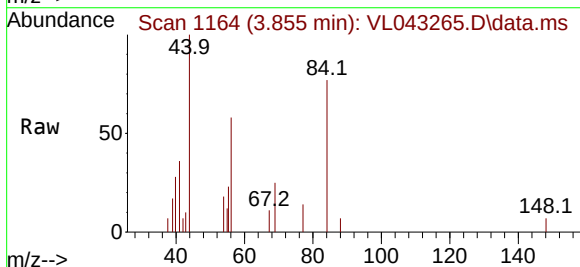
Instrument :
MSVOA_1
ClientSampleId :
SG-5

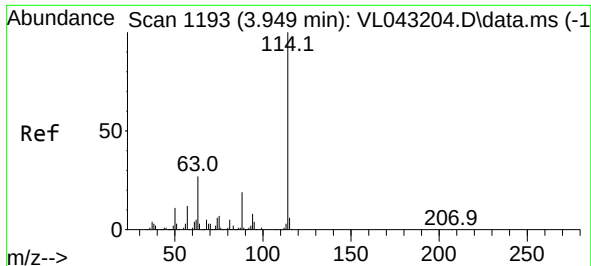
Tgt Ion: 76 Resp: 707
Ion Ratio Lower Upper
76 100
44 1054.9 16.1 24.1#
78 27.0 9.6 14.4#



#30
Cyclohexane
Concen: 0.050 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.009 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 84 Resp: 575
Ion Ratio Lower Upper
84 100
56 162.6 104.7 157.1#
41 136.3 69.0 103.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.003 min

Lab File: VL043265.D

Acq: 20 Nov 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

SG-5

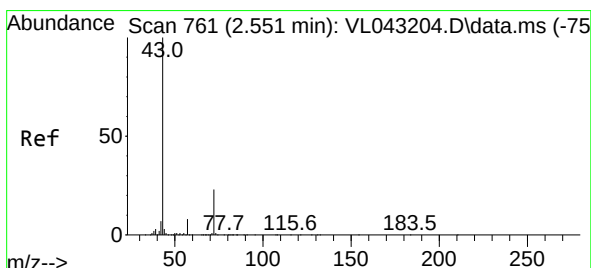
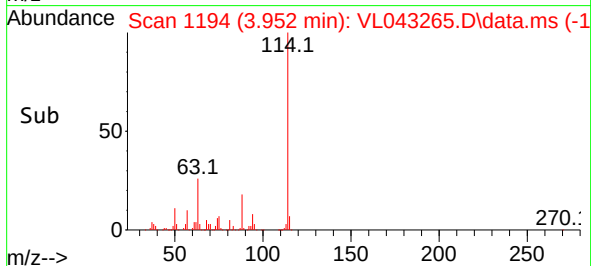
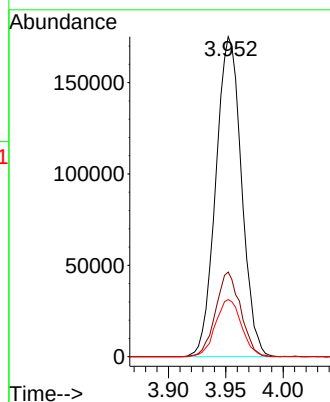
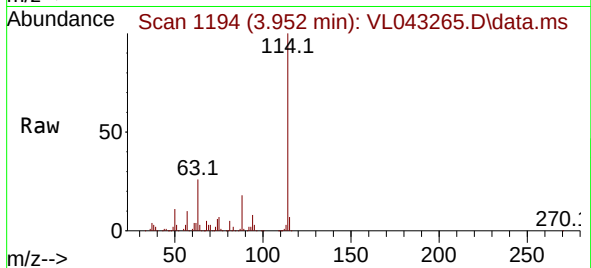
Tgt Ion:114 Resp: 273214

Ion Ratio Lower Upper

114 100

63 25.8 21.0 31.6

88 18.0 14.9 22.3



#34

2-Butanone

Concen: 1.724 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.003 min

Lab File: VL043265.D

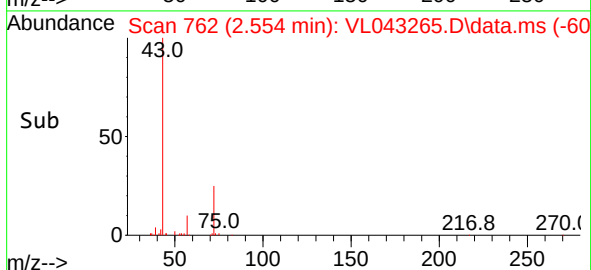
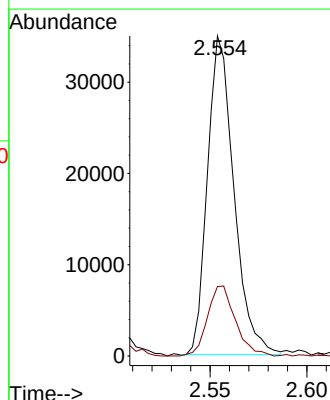
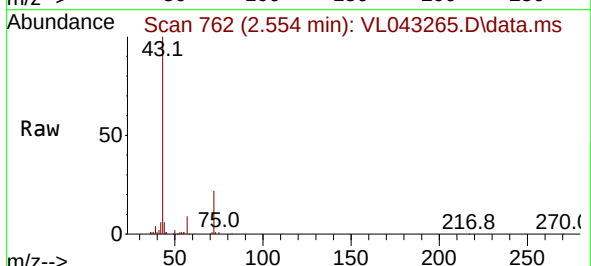
Acq: 20 Nov 2025 15:06

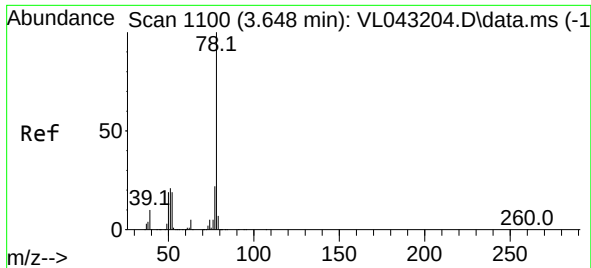
Tgt Ion: 43 Resp: 33252

Ion Ratio Lower Upper

43 100

72 23.5 18.1 27.1





#36

Benzene

Concen: 0.082 ppbv

RT: 3.651 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VL043265.D

Acq: 20 Nov 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

SG-5

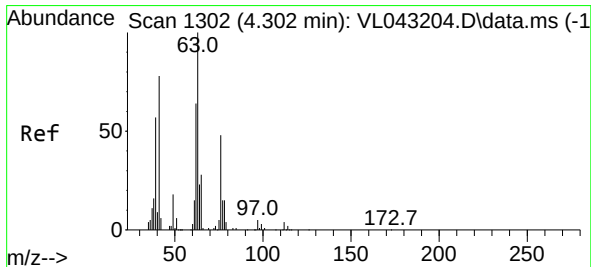
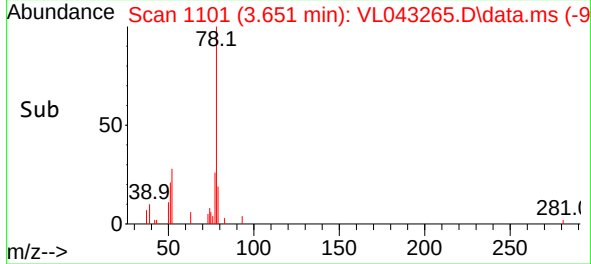
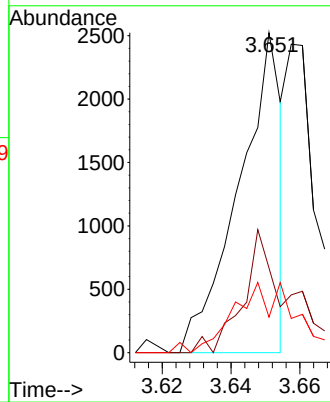
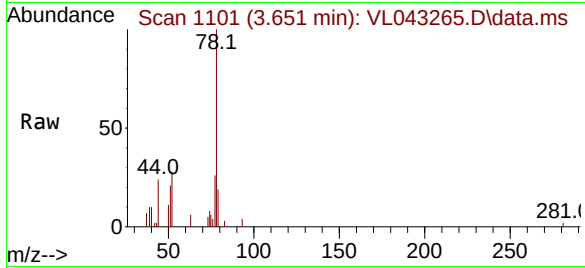
Tgt Ion: 78 Resp: 2152

Ion Ratio Lower Upper

78 100

77 26.4 17.5 26.3#

50 7.9 15.5 23.3#



#39

1,2-Dichloropropane

Concen: 7.341 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.350 min

Lab File: VL043265.D

Acq: 20 Nov 2025 15:06

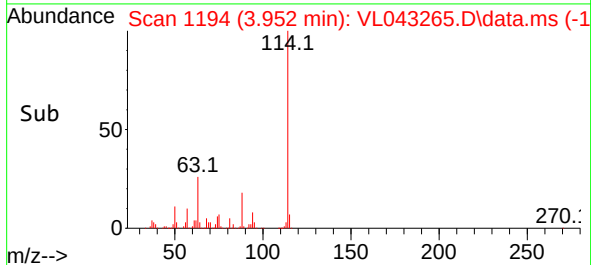
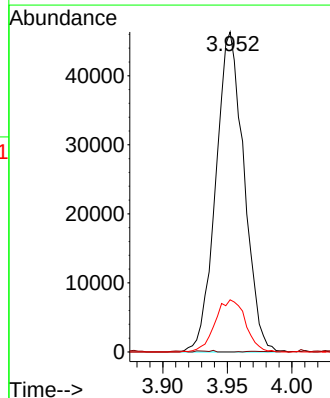
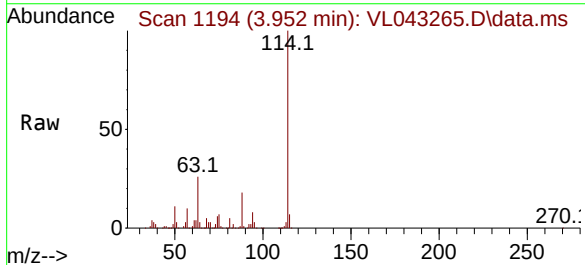
Tgt Ion: 63 Resp: 70299

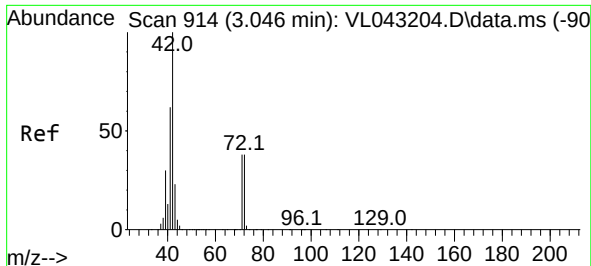
Ion Ratio Lower Upper

63 100

41 0.0 62.6 93.8#

62 16.3 51.0 76.6#

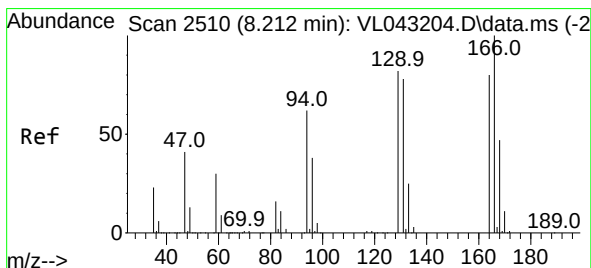
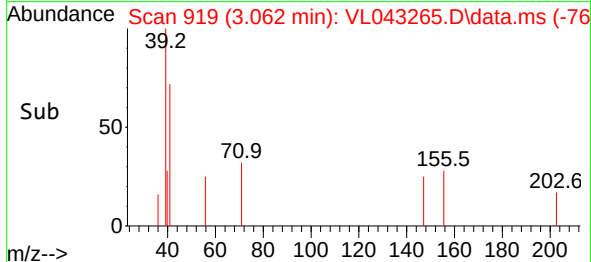
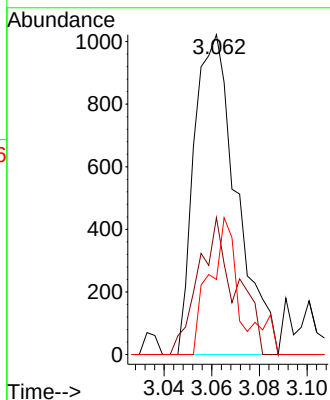
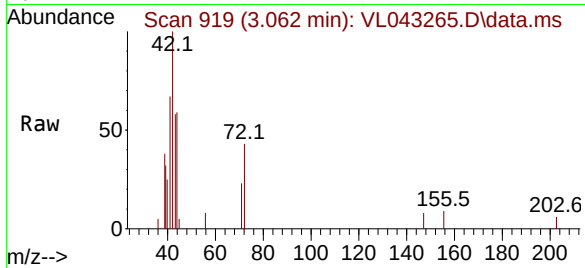




#41
Tetrahydrofuran
Concen: 0.118 ppbv
RT: 3.062 min Scan# 914
Delta R.T. 0.016 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

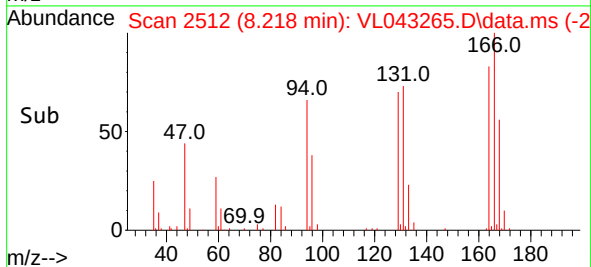
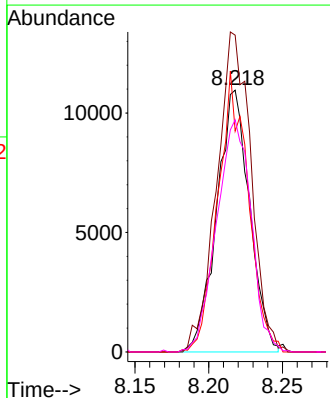
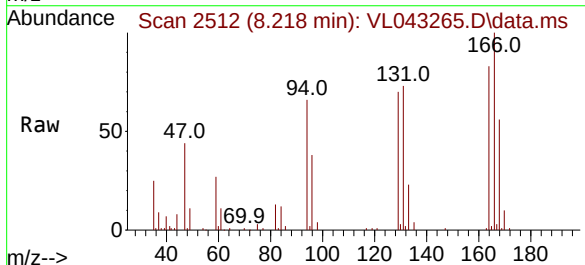
Instrument :
MSVOA_L
ClientSampleId :
SG-5

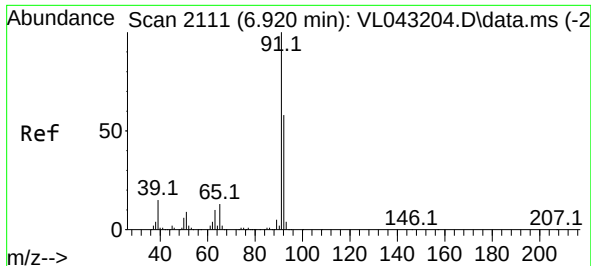
Tgt Ion:	42	Resp:	1258
Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.6	46.0
71	31.2	30.5	45.7



#52
Tetrachloroethene
Concen: 1.746 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:	164	Resp:	16991
Ion	Ratio	Lower	Upper
164	100		
166	121.0	99.4	149.2
129	84.4	81.8	122.8
131	88.7	77.4	116.2

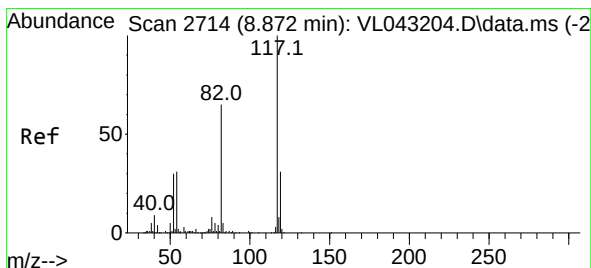
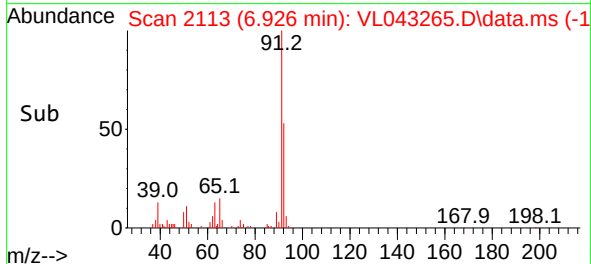
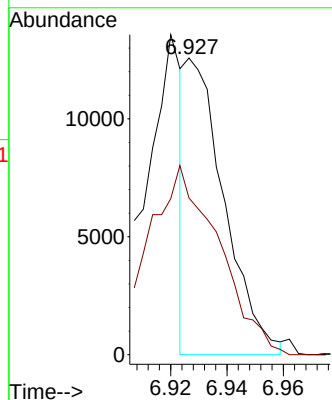
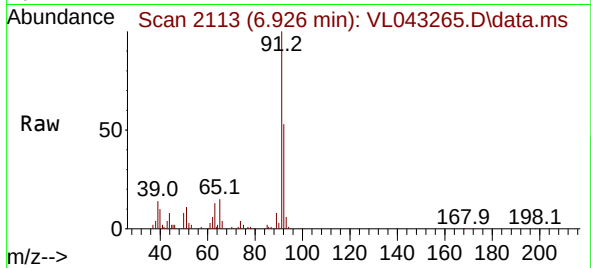




#53
Toluene
Concen: 0.387 ppbv
RT: 6.926 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

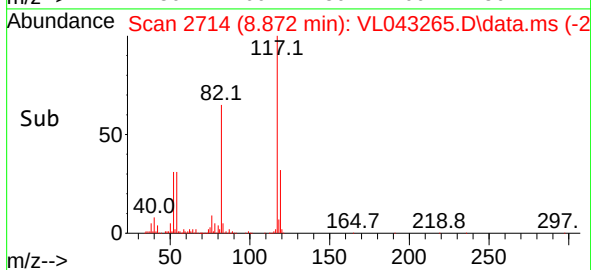
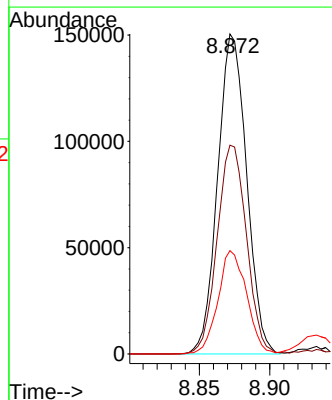
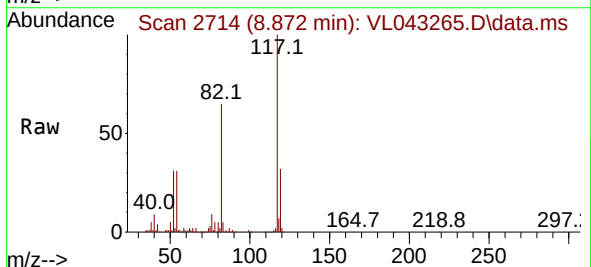
Instrument :
MSVOA_L
ClientSampleId :
SG-5

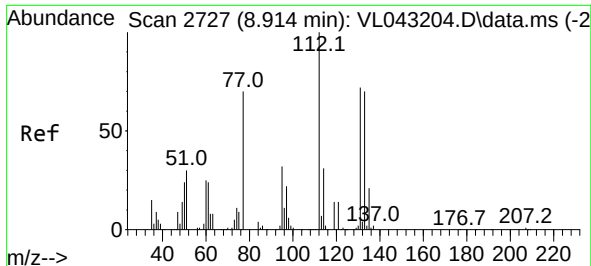
Tgt Ion: 91 Resp: 11980
Ion Ratio Lower Upper
91 100
92 122.4 47.4 71.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 117 Resp: 215431
Ion Ratio Lower Upper
117 100
82 66.4 56.1 84.1
119 32.1 25.0 37.6





#56

1,1,1,2-Tetrachloroethane

Concen: 0.049 ppbv

RT: 8.930 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL043265.D

Acq: 20 Nov 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

SG-5

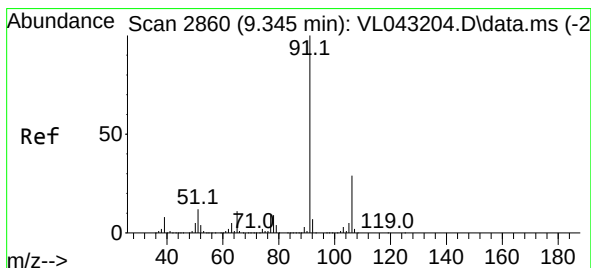
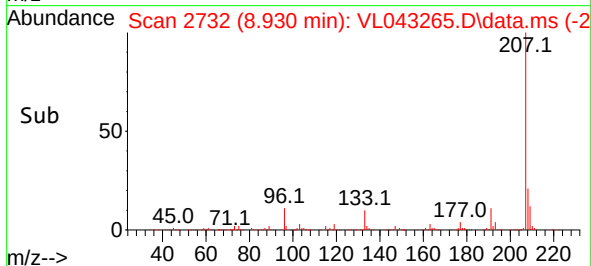
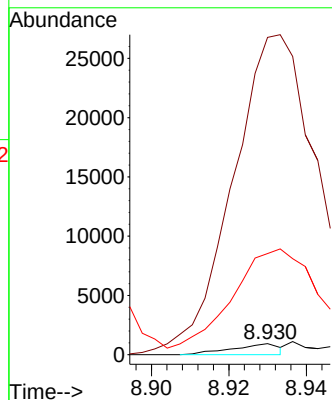
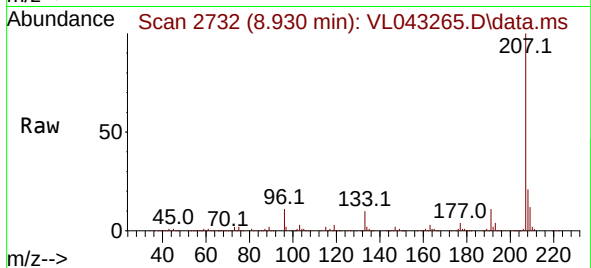
Tgt Ion:131 Resp: 781

Ion Ratio Lower Upper

131 100

133 0.0 77.4 116.2#

119 8848.9 49.1 73.7#



#58

Ethyl Benzene

Concen: 0.280 ppbv

RT: 9.351 min Scan# 2862

Delta R.T. 0.006 min

Lab File: VL043265.D

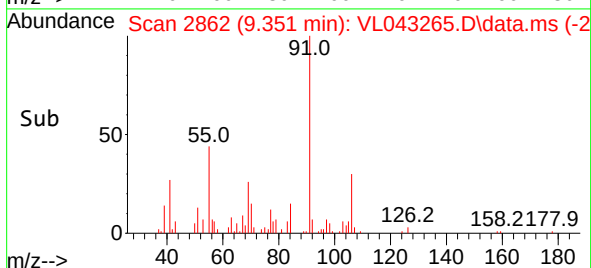
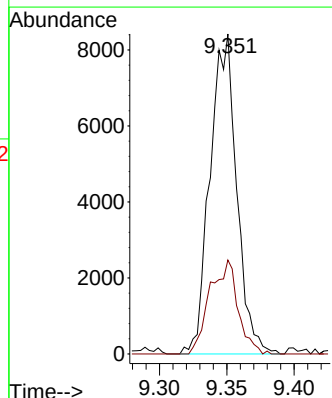
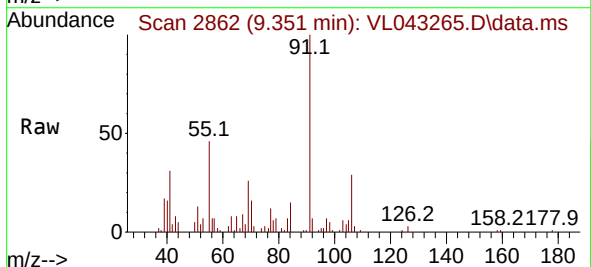
Acq: 20 Nov 2025 15:06

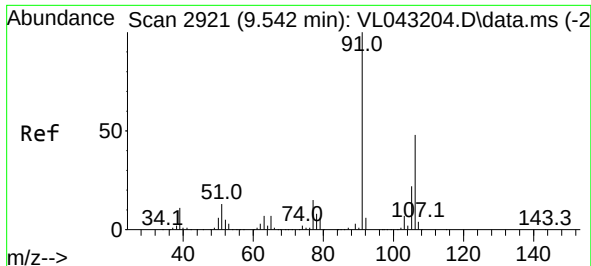
Tgt Ion: 91 Resp: 11600

Ion Ratio Lower Upper

91 100

106 29.3 22.8 34.2





#59

m/p-Xylene

Concen: 0.872 ppbv

RT: 9.526 min Scan# 2916

Delta R.T. -0.017 min

Lab File: VL043265.D

Acq: 20 Nov 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

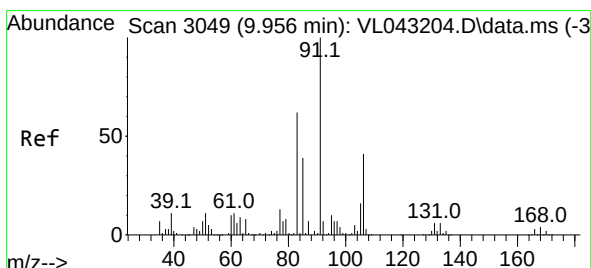
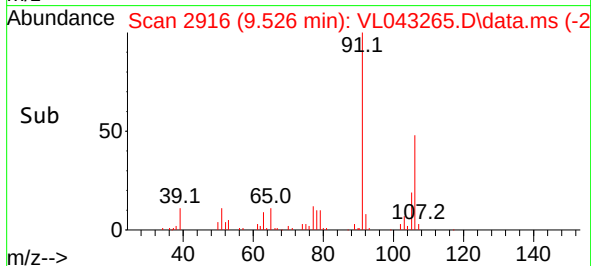
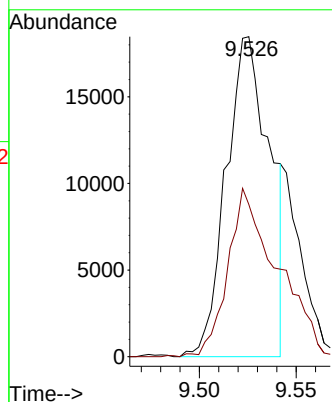
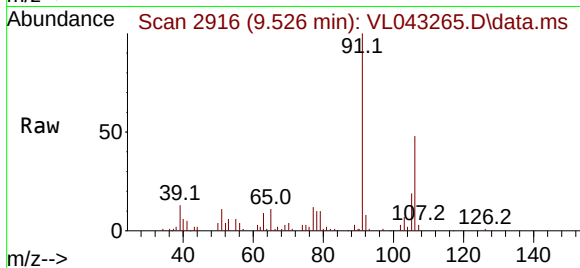
SG-5

Tgt Ion: 91 Resp: 28979

Ion Ratio Lower Upper

91 100

106 59.5 36.1 54.1#



#60

o-Xylene

Concen: 0.359 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL043265.D

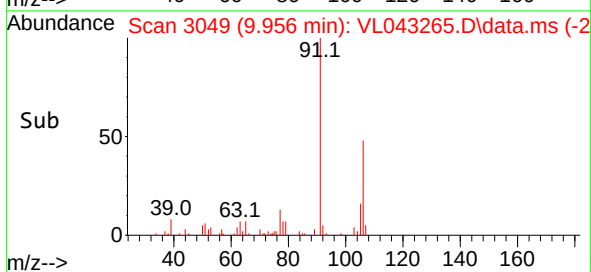
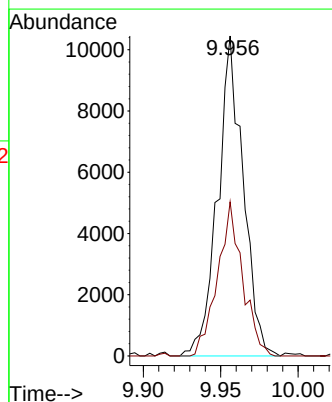
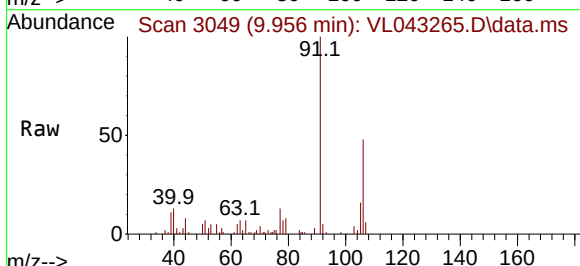
Acq: 20 Nov 2025 15:06

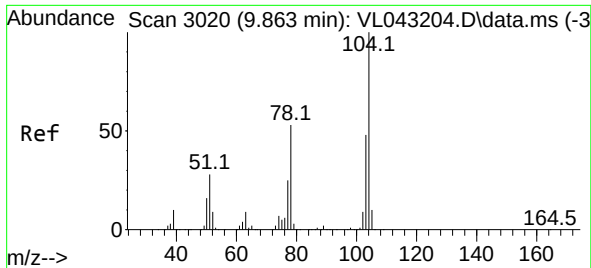
Tgt Ion: 91 Resp: 11915

Ion Ratio Lower Upper

91 100

106 47.7 20.9 62.8

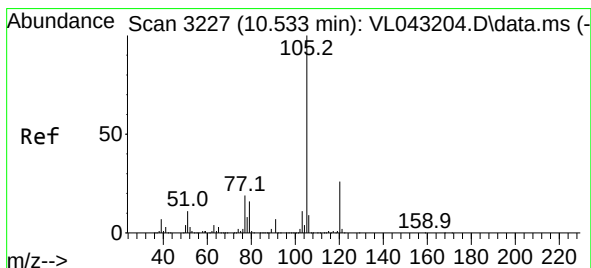
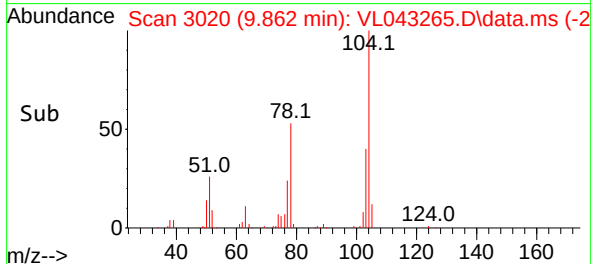
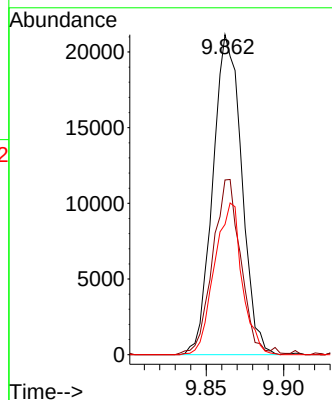
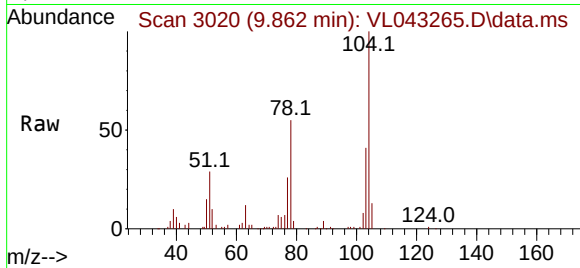




#61
Styrene
Concen: 1.884 ppbv
RT: 9.862 min Scan# 3020
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

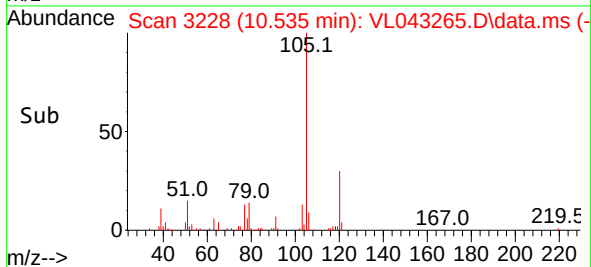
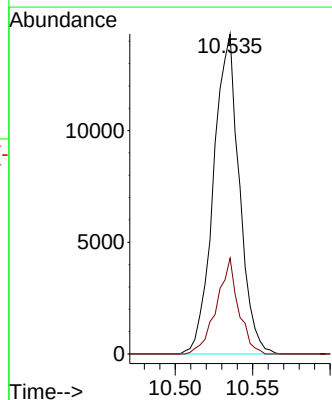
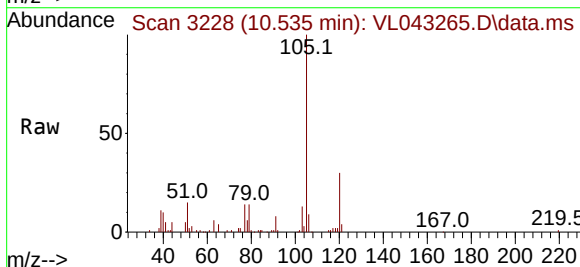
Instrument :
MSVOA_L
ClientSampleId :
SG-5

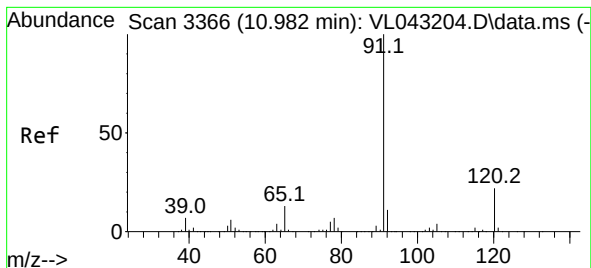
Tgt Ion:104 Resp: 27380
Ion Ratio Lower Upper
104 100
78 54.0 42.1 63.1
103 45.6 37.2 55.8



#62
Isopropylbenzene
Concen: 0.279 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:105 Resp: 16584
Ion Ratio Lower Upper
105 100
120 25.4 19.8 29.8





#64

n-propylbenzene

Concen: 0.050 ppbv

RT: 10.982 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL043265.D

Acq: 20 Nov 2025 15:06

Instrument :

MSVOA_1

ClientSampleId :

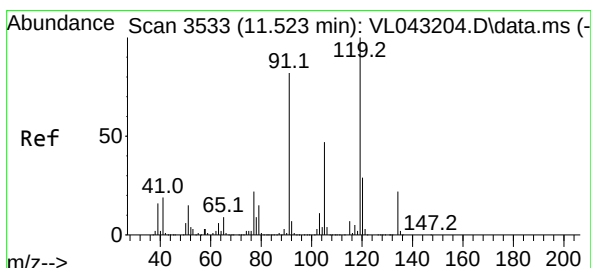
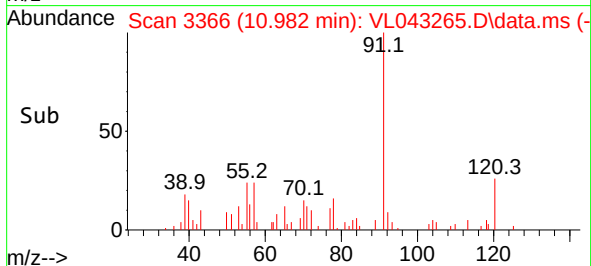
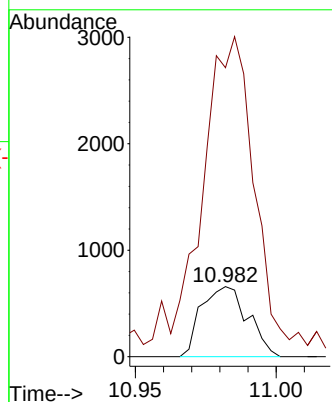
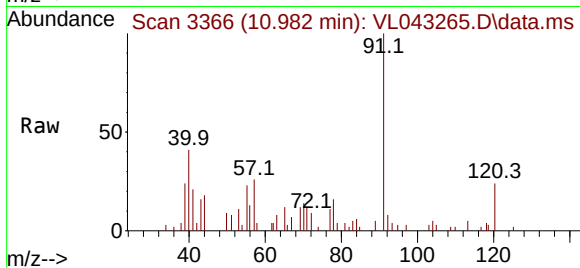
SG-5

Tgt Ion:120 Resp: 758

Ion Ratio Lower Upper

120 100

91 514.8 377.1 565.7



#65

tert-Butylbenzene

Concen: 0.040 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. 0.003 min

Lab File: VL043265.D

Acq: 20 Nov 2025 15:06

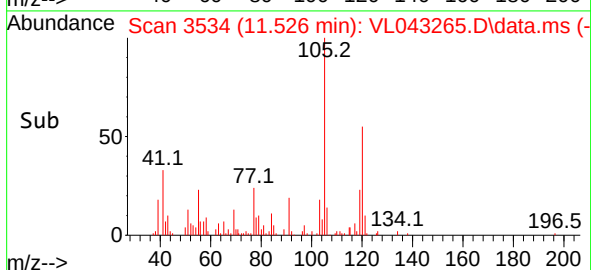
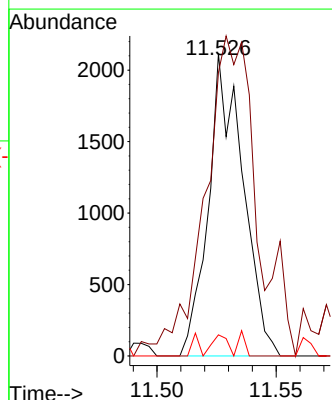
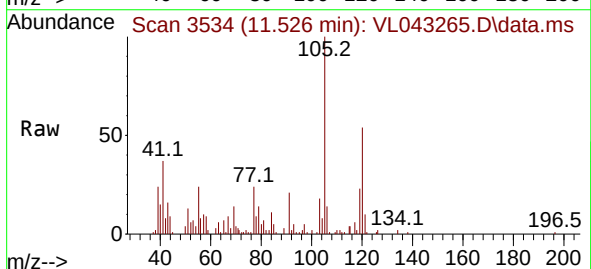
Tgt Ion:119 Resp: 2131

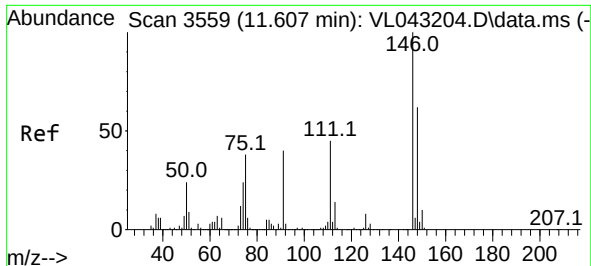
Ion Ratio Lower Upper

119 100

91 163.2 65.3 97.9#

134 0.0 17.0 25.4#

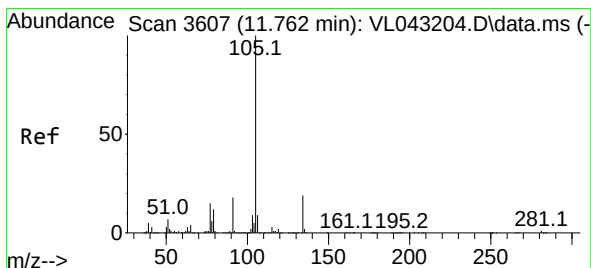
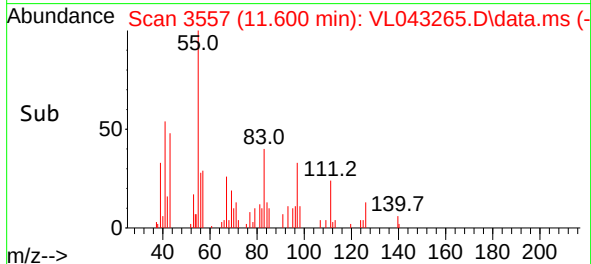
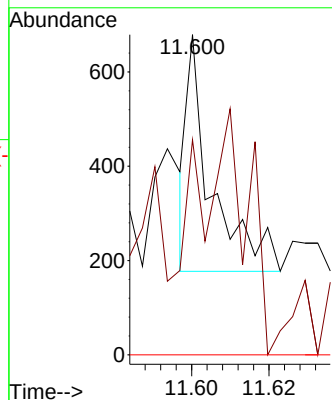
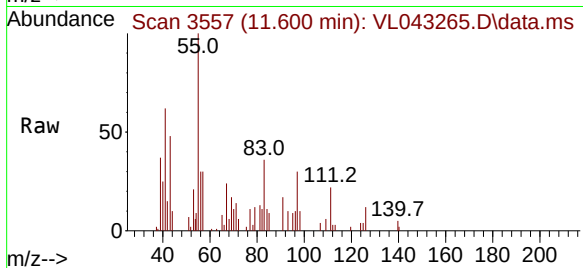




#66
Benzyl Chloride
Concen: 0.040 ppbv
RT: 11.600 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

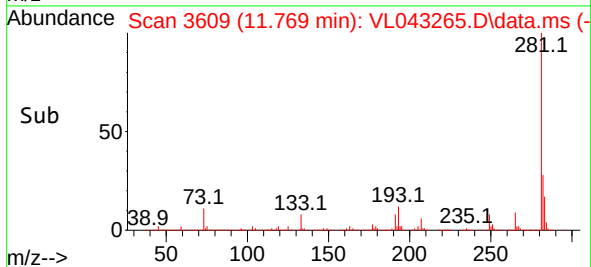
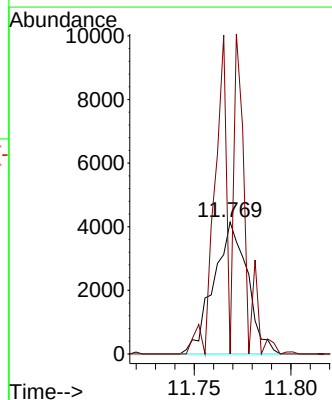
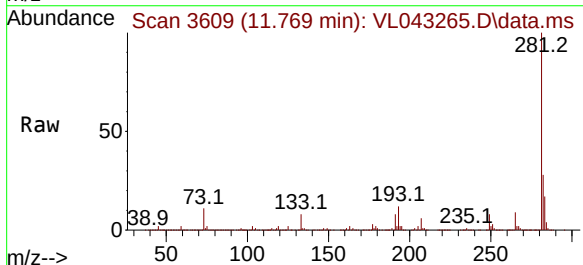
Instrument :
MSVOA_L
ClientSampleId :
SG-5

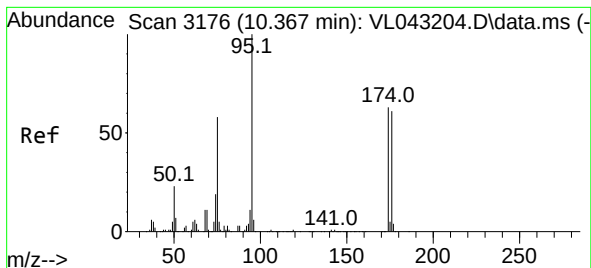
Tgt Ion: 91 Resp: 218
Ion Ratio Lower Upper
91 100
126 369.7 14.4 21.6#
128 14.2 4.6 6.8#



#67
sec-Butylbenzene
Concen: 0.068 ppbv
RT: 11.769 min Scan# 3609
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 105 Resp: 5032
Ion Ratio Lower Upper
105 100
134 165.0 15.0 22.6#

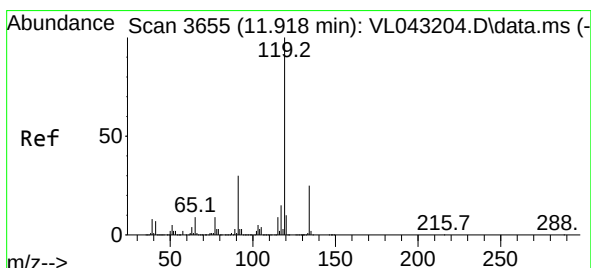
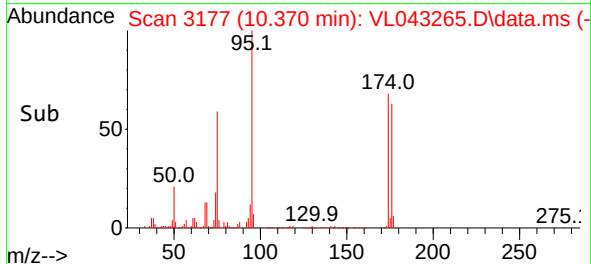
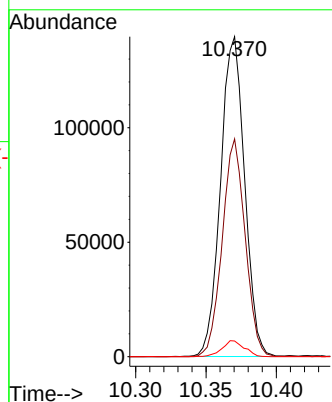
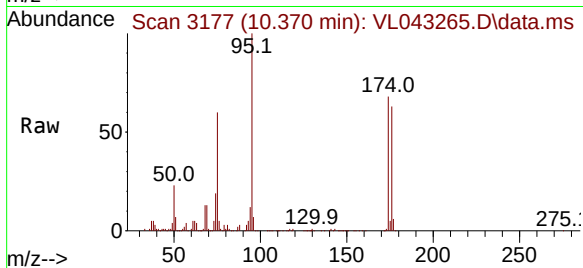




#68
1-Bromo-4-Fluorobenzene
Concen: 10.521 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

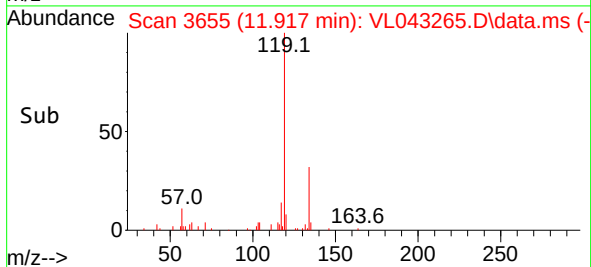
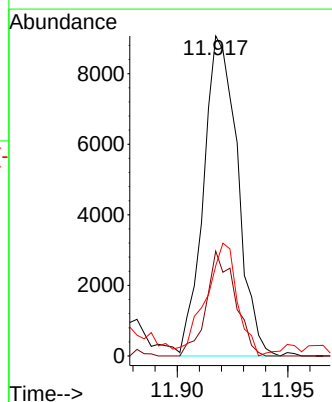
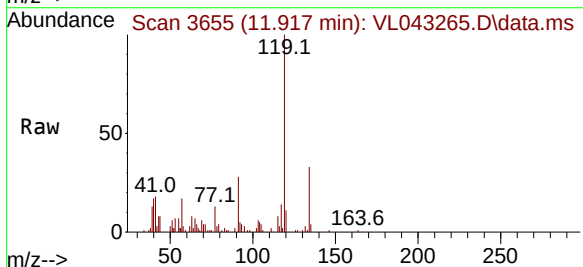
Instrument :
MSVOA_L
ClientSampleId :
SG-5

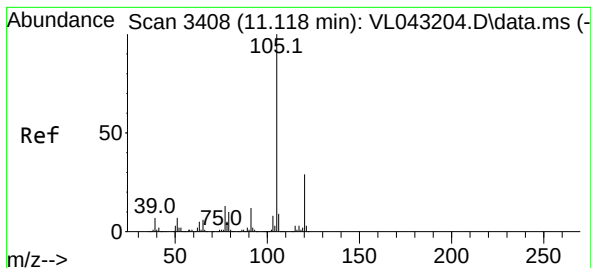
Tgt Ion: 95 Resp: 166134
Ion Ratio Lower Upper
95 100
174 65.1 50.2 75.2
175 4.7 4.1 6.1



#69
p-Isopropyltoluene
Concen: 0.154 ppbv
RT: 11.917 min Scan# 3655
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 119 Resp: 9686
Ion Ratio Lower Upper
119 100
134 27.8 20.2 30.2
91 32.2 23.8 35.8





#72

4-Ethyltoluene

Concen: 0.090 ppbv

RT: 11.121 min Scan# 3409

Delta R.T. 0.003 min

Lab File: VL043265.D

Acq: 20 Nov 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

SG-5

Tgt Ion:105 Resp: 3652

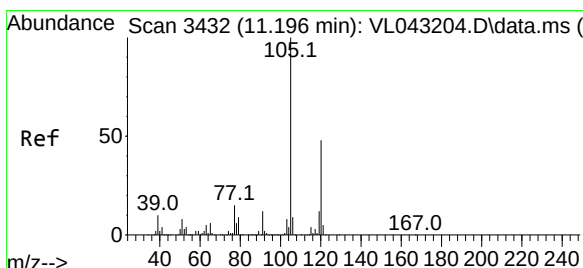
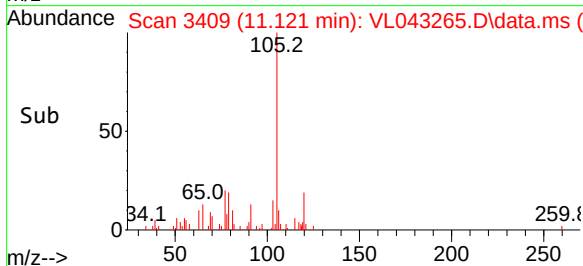
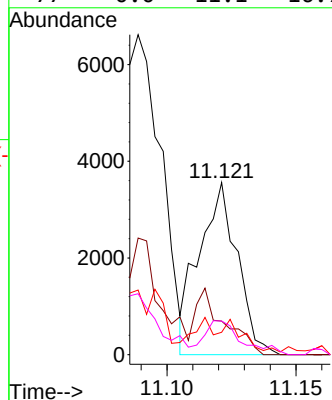
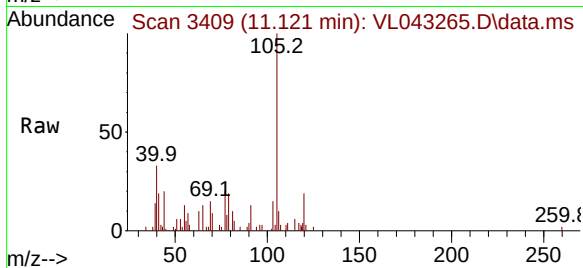
Ion Ratio Lower Upper

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: 0.053 ppbv

RT: 11.192 min Scan# 3431

Delta R.T. -0.004 min

Lab File: VL043265.D

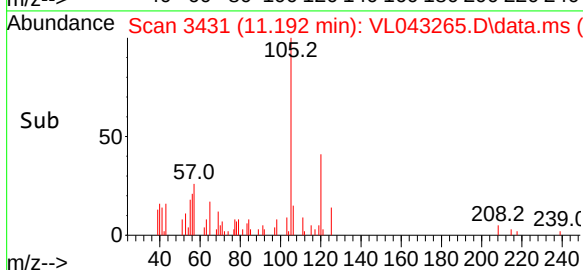
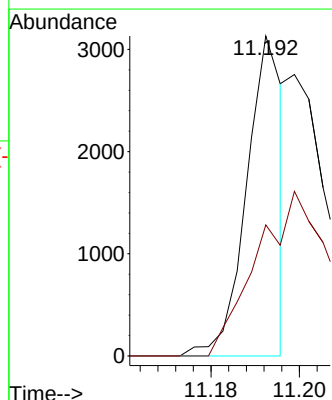
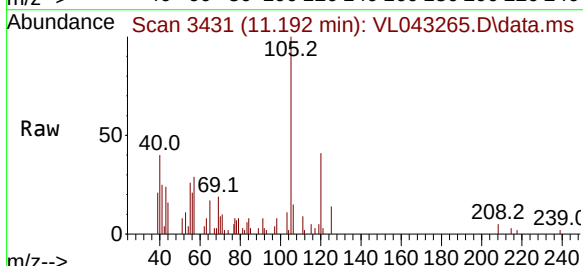
Acq: 20 Nov 2025 15:06

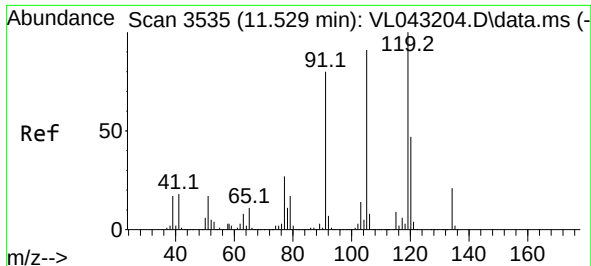
Tgt Ion:105 Resp: 1785

Ion Ratio Lower Upper

105 100

120 41.0 38.6 57.8

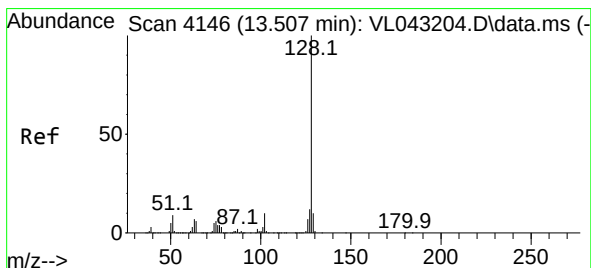
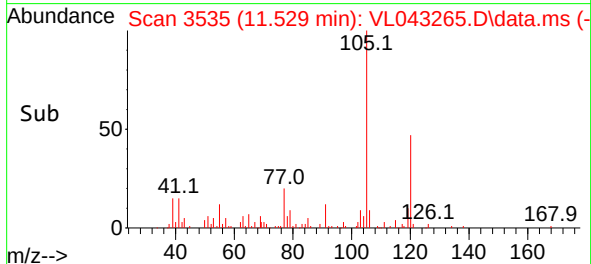
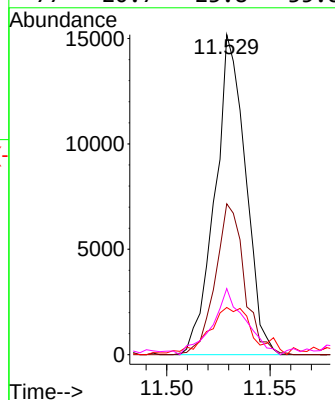
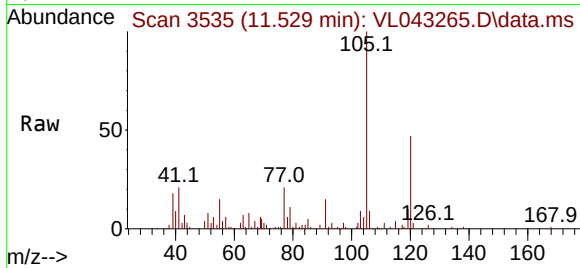




#74
1,2,4-Trimethylbenzene
Concen: 0.421 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion:	105	Resp:	15609
Ion Ratio	Lower	Upper	
105	100		
120	46.6	41.7	62.5
91	13.7	70.0	105.0#
77	20.7	23.8	35.8#



#79
Naphthalene
Concen: 0.045 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:	128	Resp:	1474
Ion Ratio	Lower	Upper	
128	100		
127	32.2	9.9	14.9#
129	7.9	8.4	12.6#

