

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043262.D
 Acq On : 20 Nov 2025 13:24
 Operator : SY/MD
 Sample : Q355-02 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

Quant Time: Nov 21 00:38:13 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	2.787	49	103900	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	279180	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	219347	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.371	95	166068	10.329	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	3828	0.261	ppbv	98
3) Chlorodifluoromethane	1.467	51	35710	2.478	ppbv #	62
4) Chloromethane	1.535	50	3761	0.686	ppbv	92
5) Vinyl Chloride	1.486	62	277	0.046	ppbv #	41
6) Bromomethane	1.667	94	989	0.340	ppbv	94
7) Chloroethane	1.710	64	162	0.069	ppbv #	1
9) Propene	1.486	41	3938	0.643	ppbv #	1
11) Trichlorofluoromethane	1.878	101	1889	0.133	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	375	0.034	ppbv #	12
13) Ethanol	1.722	45	14583	6.777	ppbv	91
15) Acetone	1.836	43	365584	25.326	ppbv	98
16) 1,3-Butadiene	1.603	39	3128	0.486	ppbv #	38
17) tert-Butyl alcohol	2.043	59	3910	0.206	ppbv #	62
19) Isopropyl Alcohol	1.884	45	52673	6.457	ppbv #	1
20) Methylene Chloride	2.062	84	6938	0.918	ppbv #	87
21) Allyl Chloride	2.079	41	506	0.052	ppbv #	1
23) Vinyl Acetate	2.454	43	16429	0.943	ppbv #	91
25) Ethyl Acetate	2.829	43	8755	0.281	ppbv #	81
26) Hexane	2.826	57	11396	0.835	ppbv #	44
27) Carbon Disulfide	2.153	76	3676	0.264	ppbv #	1
28) Methyl tert-Butyl Ether	2.405	73	966	0.144	ppbv #	27
29) Chloroform	2.842	83	1152	0.059	ppbv #	68
31) cis-1,2-Dichloroethene	2.719	61	2376	0.175	ppbv #	93
34) 2-Butanone	2.558	43	26112	1.325	ppbv	96
36) Benzene	3.655	78	5648	0.211	ppbv #	91
38) Trichloroethene	4.555	130	1252	0.120	ppbv	90
39) 1,2-Dichloropropane	3.953	63	71356	7.292	ppbv #	25
41) Tetrahydrofuran	3.059	42	861	0.079	ppbv #	69
44) 2,2,4-Trimethylpentane	4.632	57	1953	0.043	ppbv #	21
52) Tetrachloroethene	8.222	164	292708	29.432	ppbv	97
53) Toluene	6.930	91	7801	0.246	ppbv #	73
56) 1,1,1,2-Tetrachloroethane	8.930	131	2562	0.159	ppbv #	1
58) Ethyl Benzene	9.351	91	3081	0.073	ppbv #	85
59) m/p-Xylene	9.549	91	1664	0.049	ppbv #	31
60) o-Xylene	9.963	91	4116	0.122	ppbv	94
66) Benzyl Chloride	11.614	91	211	0.038	ppbv #	1
67) sec-Butylbenzene	11.772	105	9138	0.121	ppbv #	1
69) p-Isopropyltoluene	11.924	119	3400	0.053	ppbv #	88
72) 4-Ethyltoluene	11.122	105	1314	0.032	ppbv #	74
73) 1,3,5-Trimethylbenzene	11.199	105	1084	0.031	ppbv	93
74) 1,2,4-Trimethylbenzene	11.533	105	6527	0.173	ppbv #	51
79) Naphthalene	13.507	128	2642	0.079	ppbv #	1
80) Naphthalene,2-methyl-	14.465	142	570	0.065	ppbv #	61

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Quant Time: Nov 21 00:38:13 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

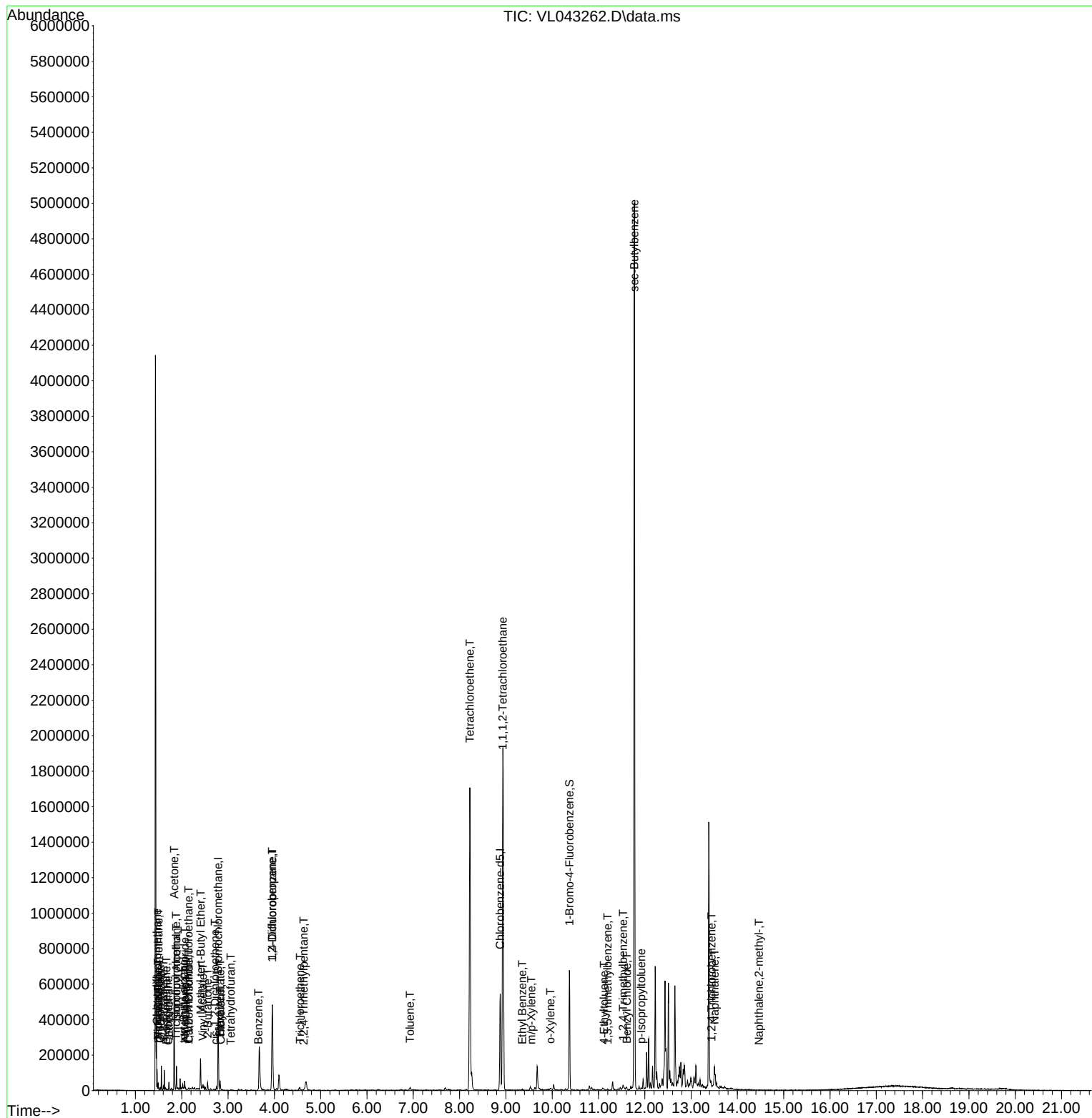
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) 1,2,4-Trichlorobenzene	13.442	180	485	0.032	ppbv	# 90

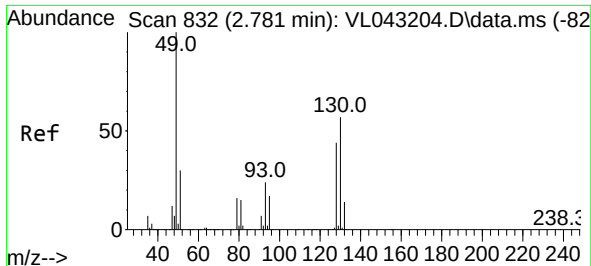
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
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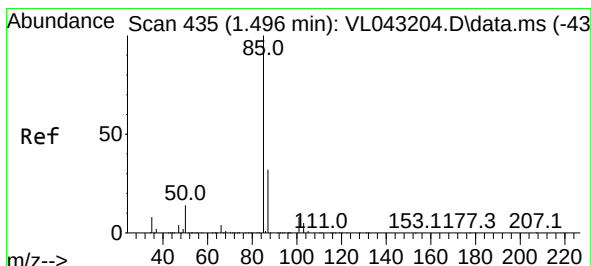
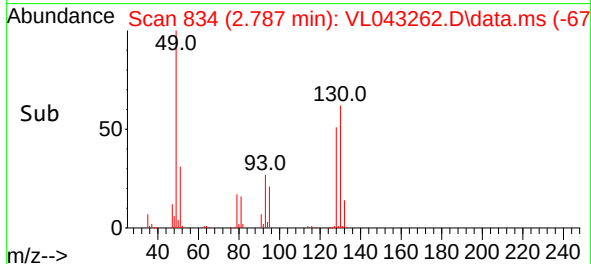
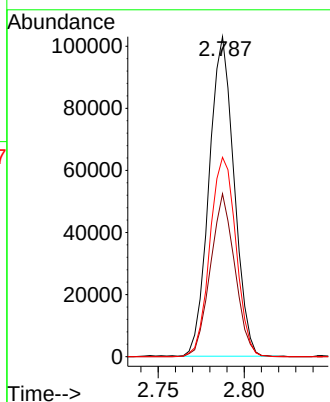
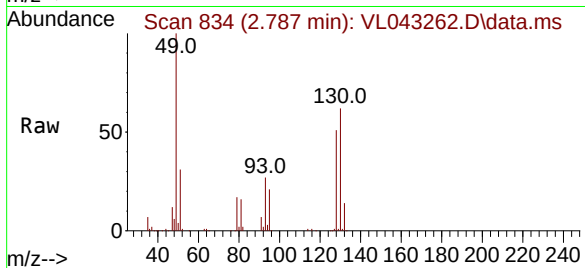




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

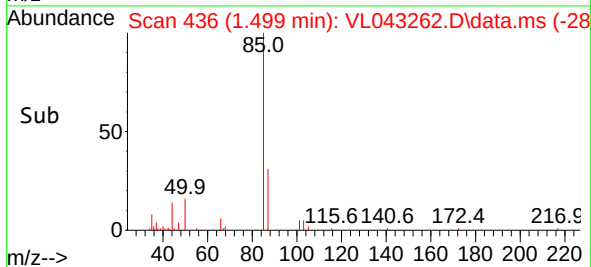
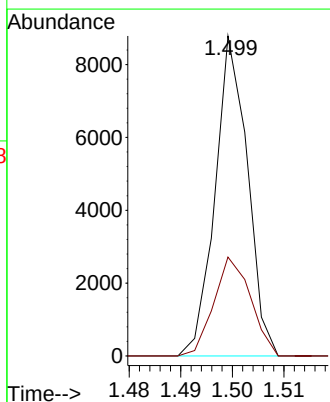
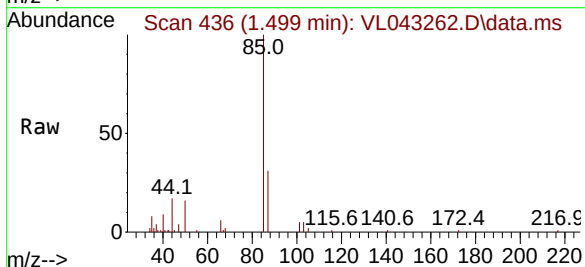
Instrument :
MSVOA_L
ClientSampleId :
SG-2

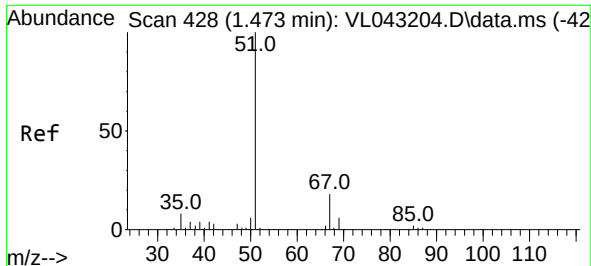
Tgt Ion: 49 Resp: 103900
Ion Ratio Lower Upper
49 100
128 49.8 23.0 69.0
130 65.0 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.261 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 85 Resp: 3828
Ion Ratio Lower Upper
85 100
87 30.9 25.4 38.2

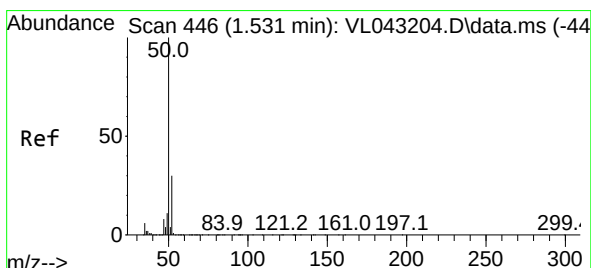
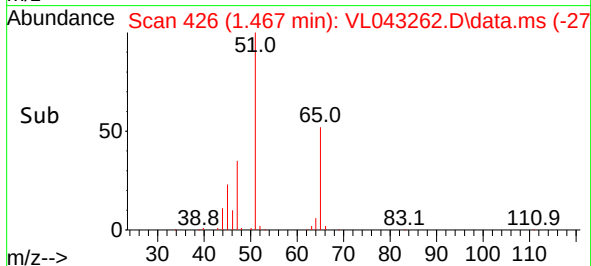
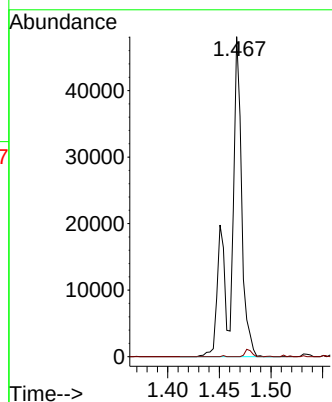
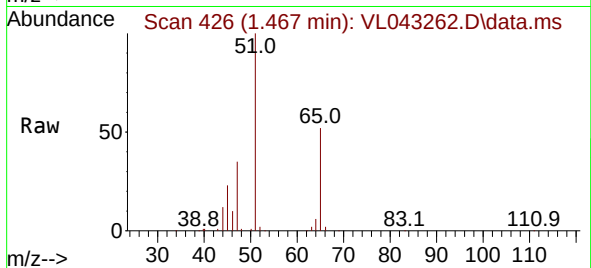




#3
Chlorodifluoromethane
Concen: 2.478 ppbv
RT: 1.467 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

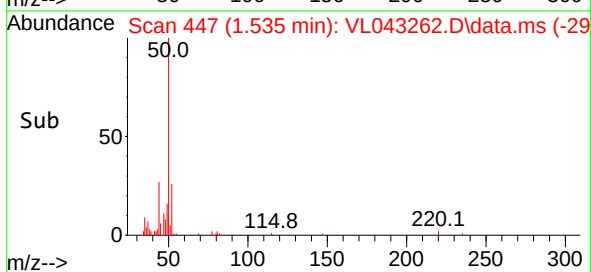
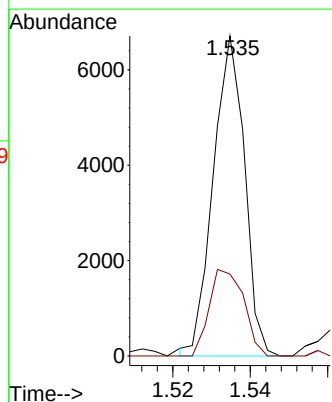
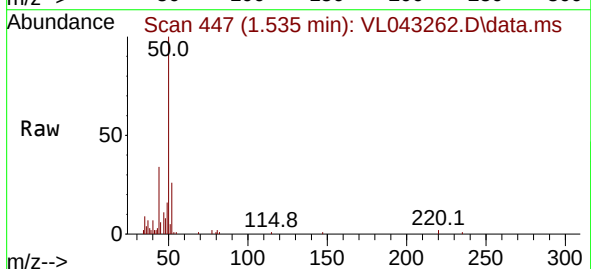
Instrument :
MSVOA_L
ClientSampleId :
SG-2

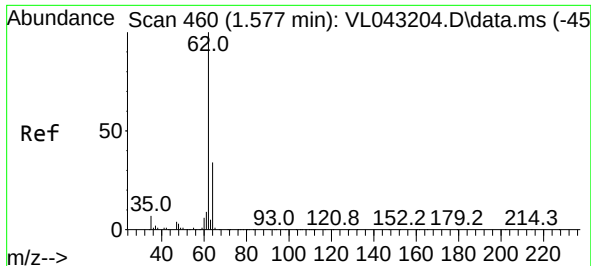
Tgt Ion: 51 Resp: 35710
Ion Ratio Lower Upper
51 100
67 1.4 14.9 22.3#



#4
Chloromethane
Concen: 0.686 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 50 Resp: 3761
Ion Ratio Lower Upper
50 100
52 25.6 24.1 36.1

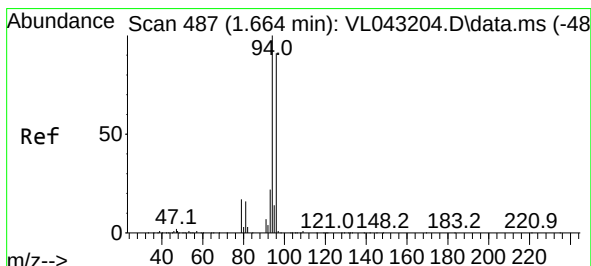
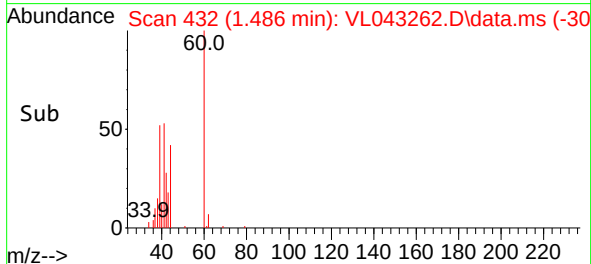
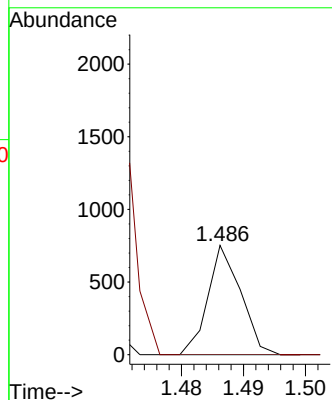
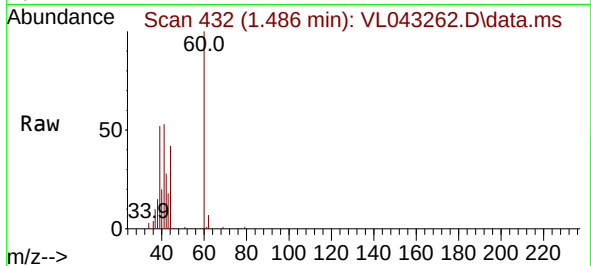




#5
 Vinyl Chloride
 Concen: 0.046 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.091 min
 Lab File: VL043262.D
 Acq: 20 Nov 2025 13:24

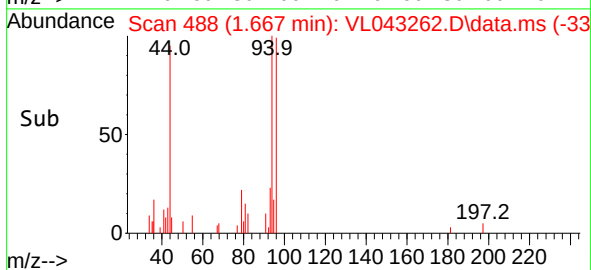
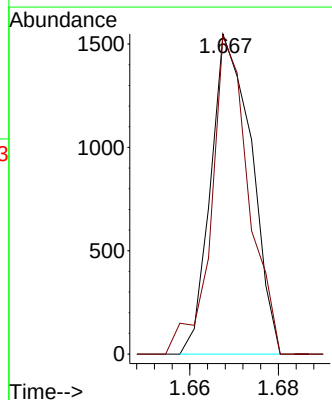
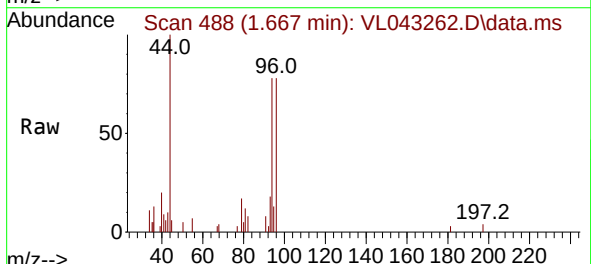
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

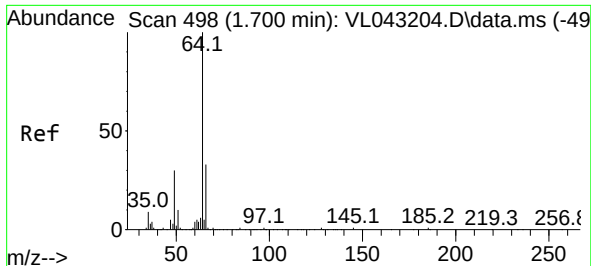
Tgt Ion: 62 Resp: 277
 Ion Ratio Lower Upper
 62 100
 64 0.0 27.3 40.9#



#6
 Bromomethane
 Concen: 0.340 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043262.D
 Acq: 20 Nov 2025 13:24

Tgt Ion: 94 Resp: 989
 Ion Ratio Lower Upper
 94 100
 96 85.3 72.9 109.3

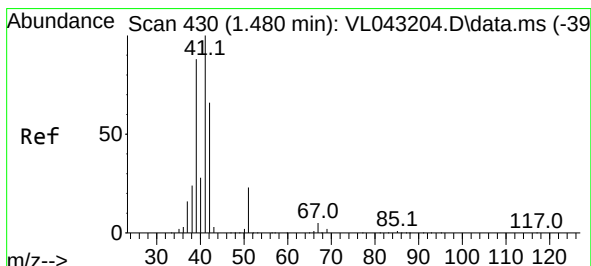
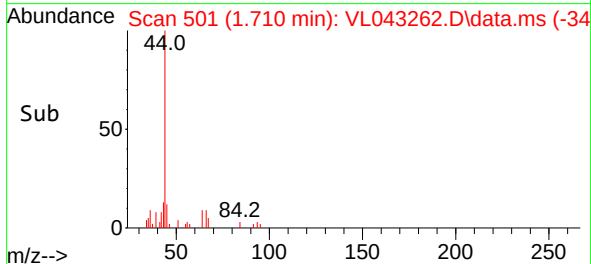
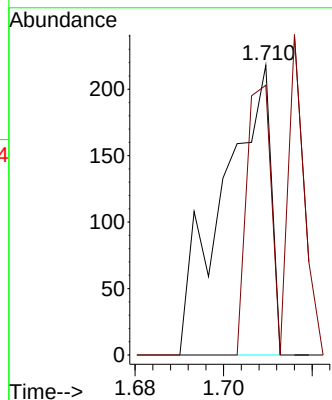
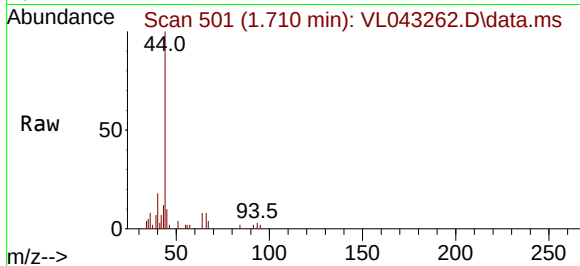




#7
Chloroethane
Concen: 0.069 ppbv
RT: 1.710 min Scan# 50
Delta R.T. 0.010 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

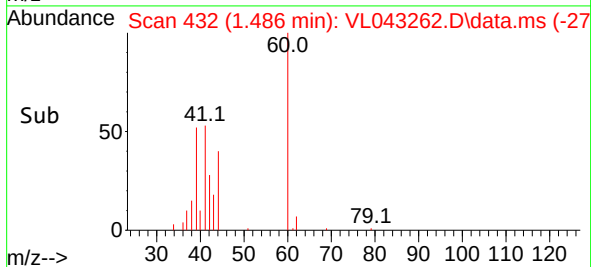
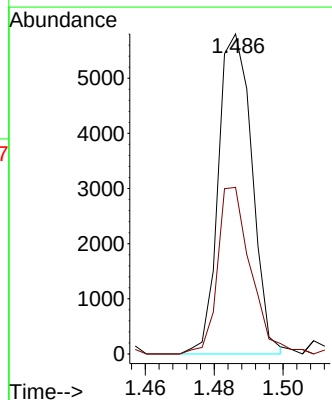
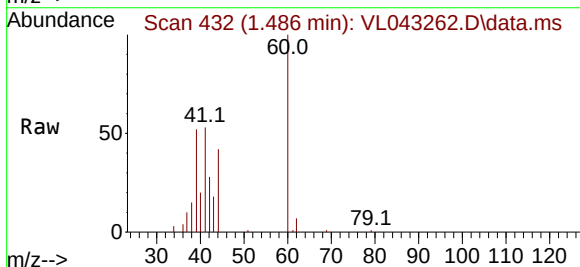
Instrument :
MSVOA_L
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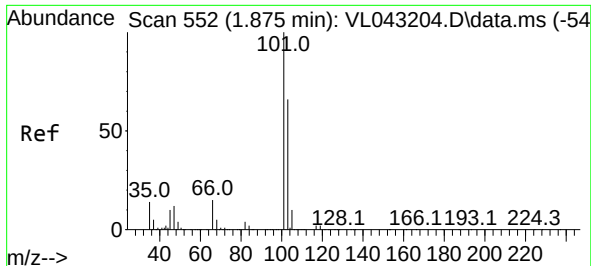
Tgt Ion: 64 Resp: 162
Ion Ratio Lower Upper
64 100
66 93.1 26.8 40.2#



#9
Propene
Concen: 0.643 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 41 Resp: 3938
Ion Ratio Lower Upper
41 100
42 55.2 3.7 5.5#

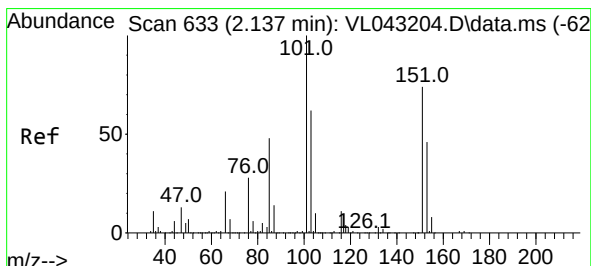
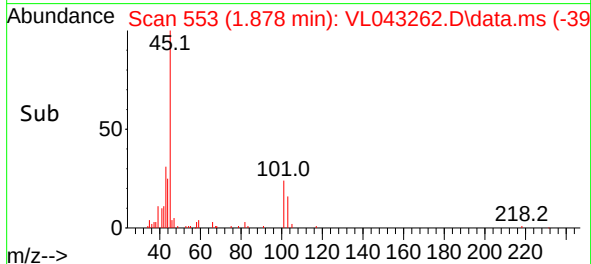
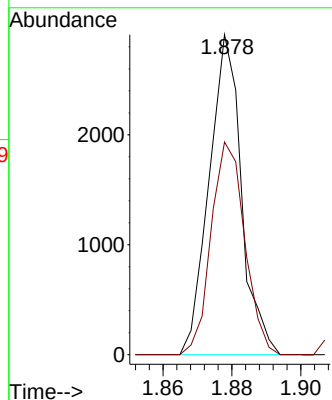
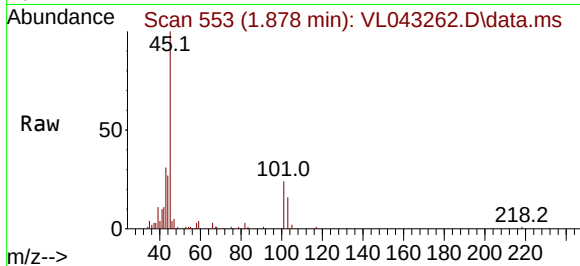




#11
Trichlorofluoromethane
Concen: 0.133 ppbv
RT: 1.878 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

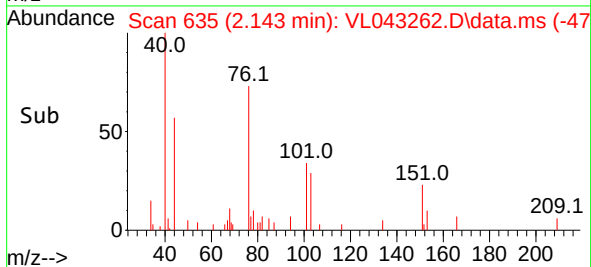
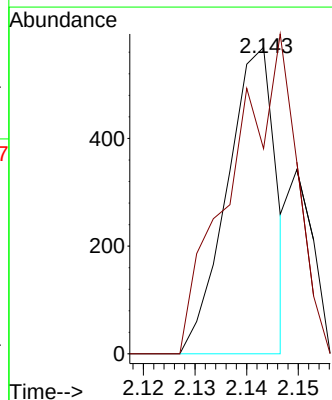
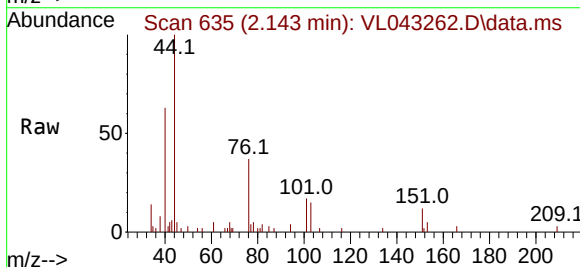
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ClientSampleId :
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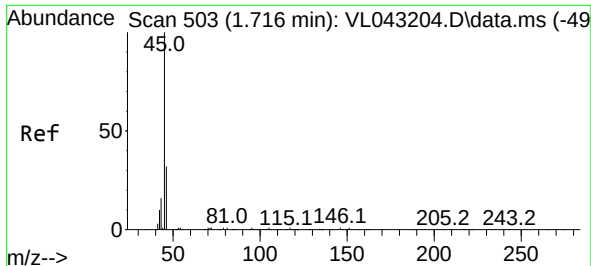
Tgt Ion:101 Resp: 1889
Ion Ratio Lower Upper
101 100
103 66.4 52.6 79.0



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.034 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:101 Resp: 375
Ion Ratio Lower Upper
101 100
151 0.0 59.2 88.8#

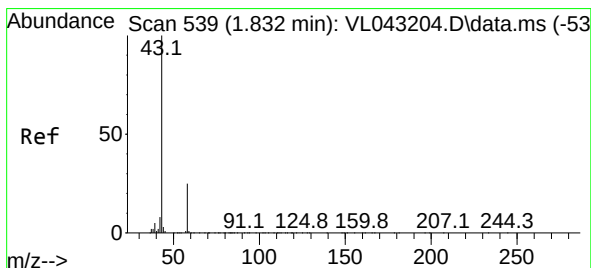
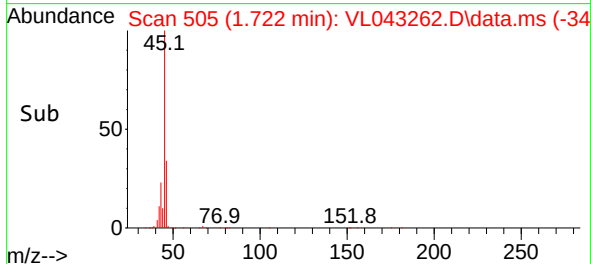
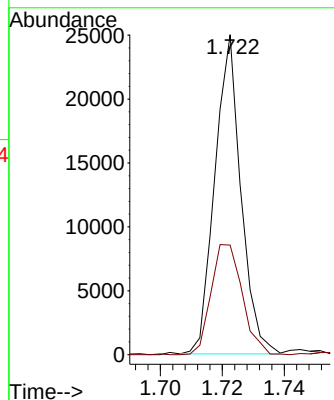
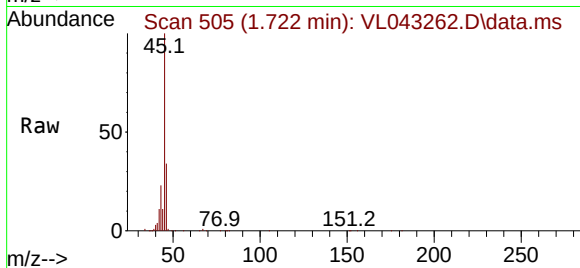




#13
Ethanol
Concen: 6.777 ppbv
RT: 1.722 min Scan# 50
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

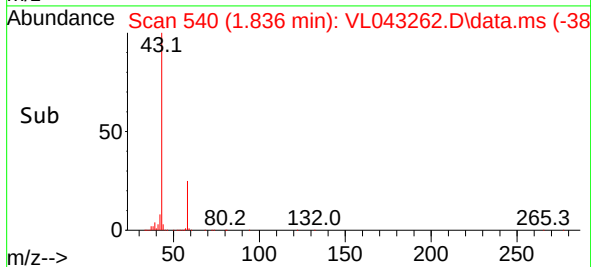
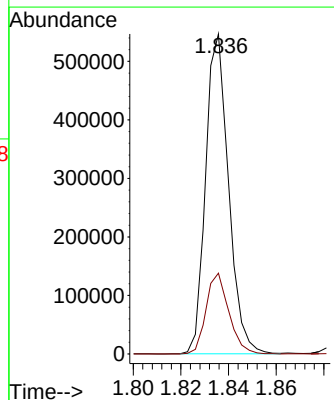
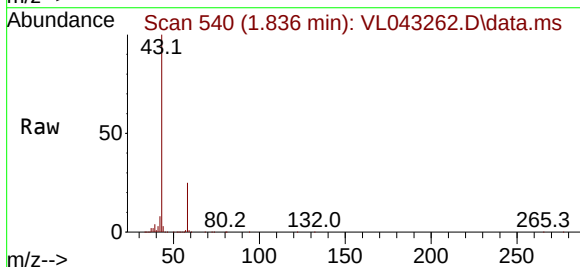
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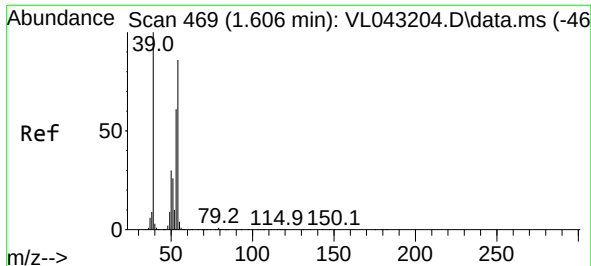
Tgt Ion: 45 Resp: 14583
Ion Ratio Lower Upper
45 100
46 42.9 15.0 59.8



#15
Acetone
Concen: 25.326 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 43 Resp: 365584
Ion Ratio Lower Upper
43 100
58 25.1 20.7 31.1

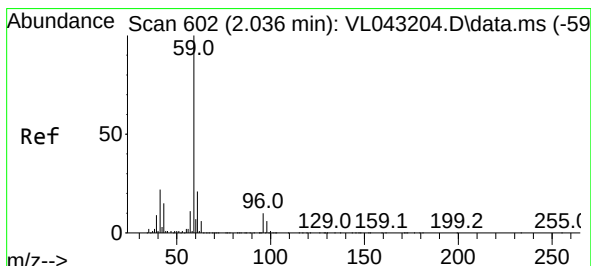
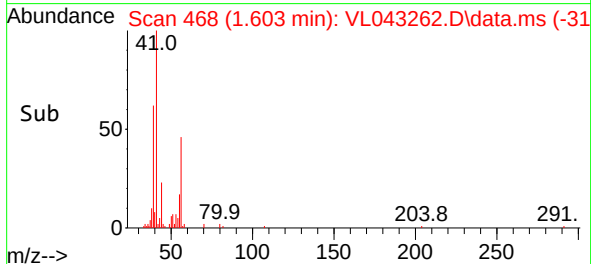
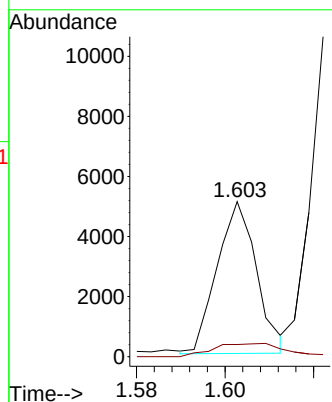
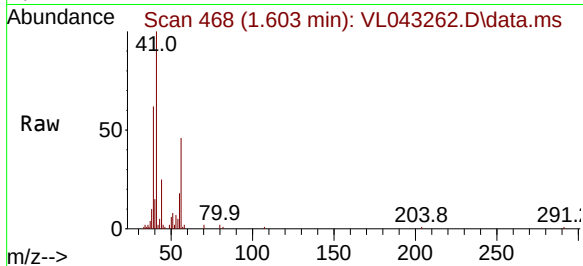




#16
1,3-Butadiene
Concen: 0.486 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

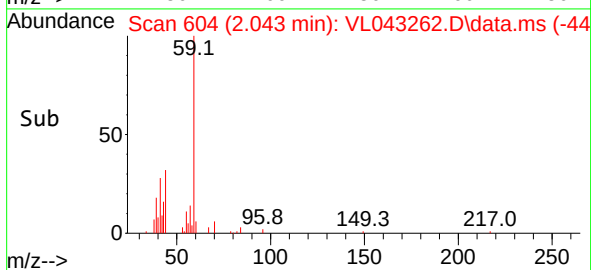
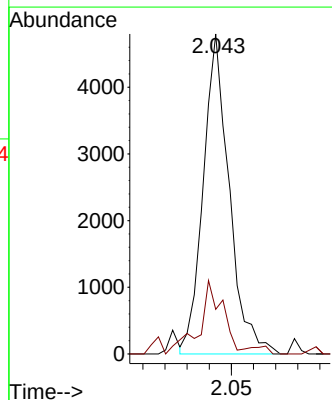
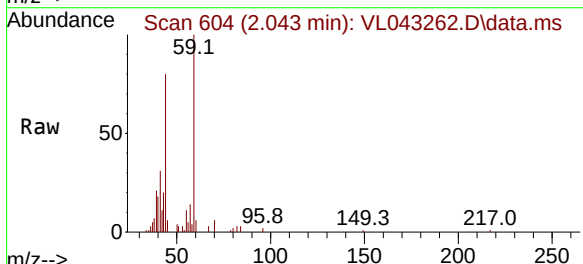
Instrument :
MSVOA_L
ClientSampleId :
SG-2

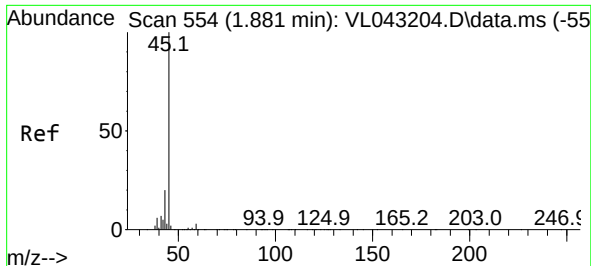
Tgt Ion: 39 Resp: 3128
Ion Ratio Lower Upper
39 100
54 21.5 59.4 89.2#



#17
tert-Butyl alcohol
Concen: 0.206 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 59 Resp: 3910
Ion Ratio Lower Upper
59 100
57 25.5 9.0 13.4#

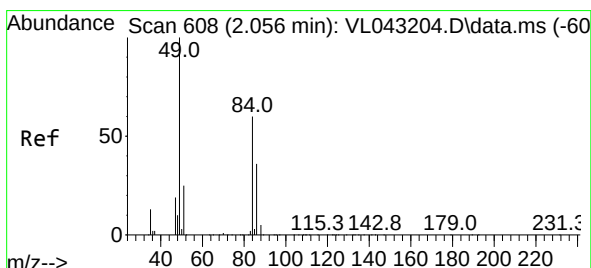
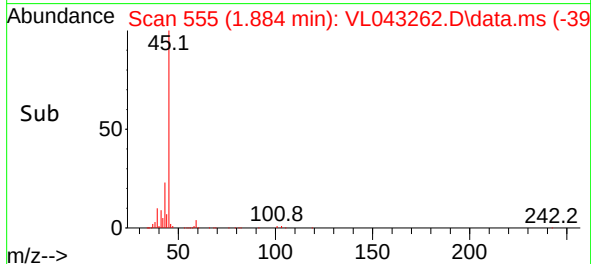
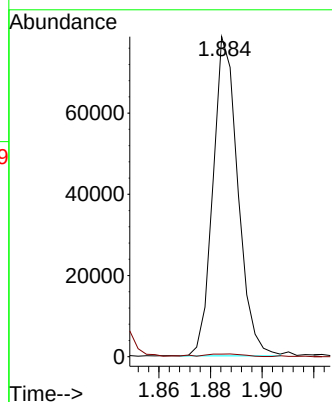
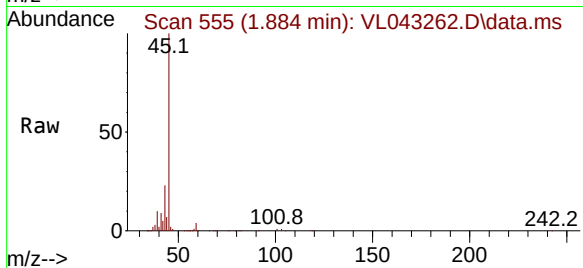




#19
Isopropyl Alcohol
Concen: 6.457 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

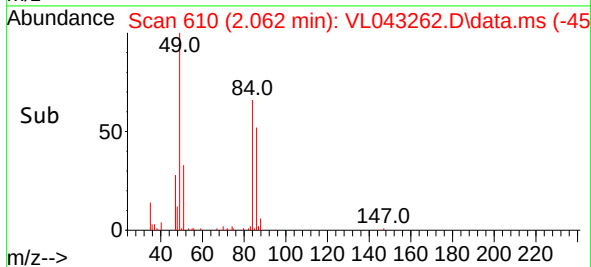
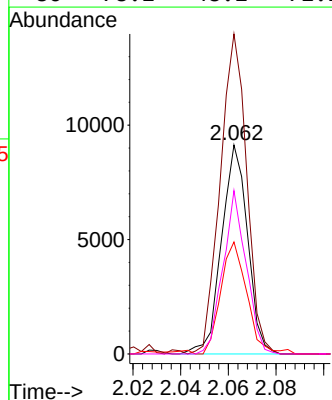
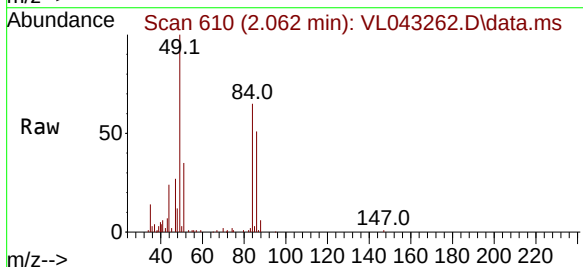
Instrument :
MSVOA_L
ClientSampleId :
SG-2

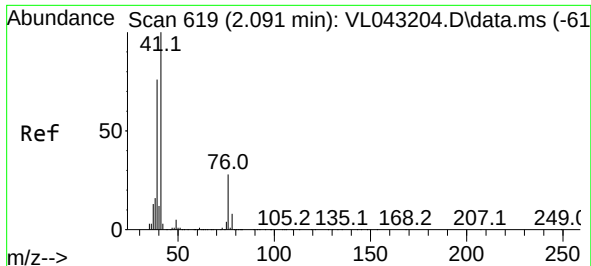
Tgt Ion: 45 Resp: 52673
Ion Ratio Lower Upper
45 100
58 174.4 31.3 46.9#



#20
Methylene Chloride
Concen: 0.918 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 84 Resp: 6938
Ion Ratio Lower Upper
84 100
49 153.1 132.9 199.3
51 52.3 34.8 52.2#
86 78.2 48.2 72.2#

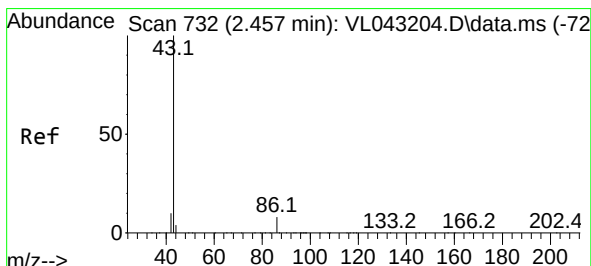
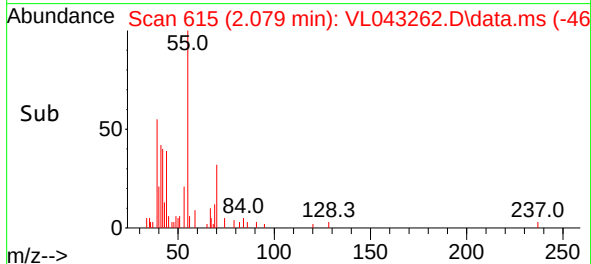
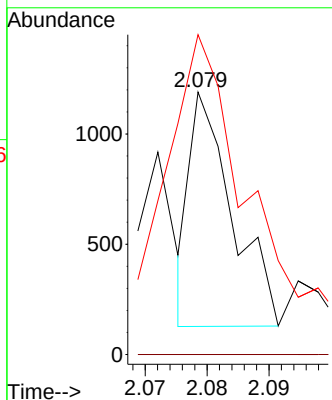
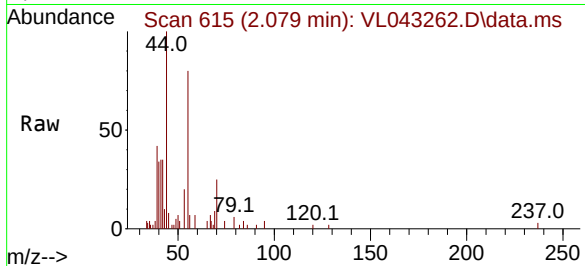




#21
Allyl Chloride
Concen: 0.052 ppbv
RT: 2.079 min Scan# 615
Delta R.T. -0.013 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

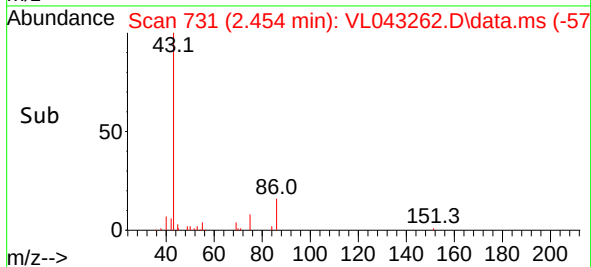
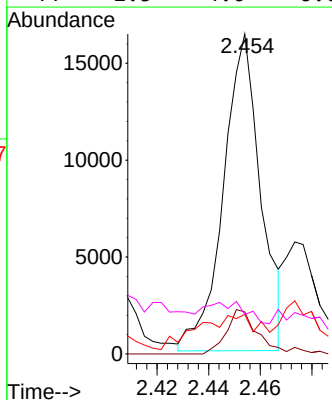
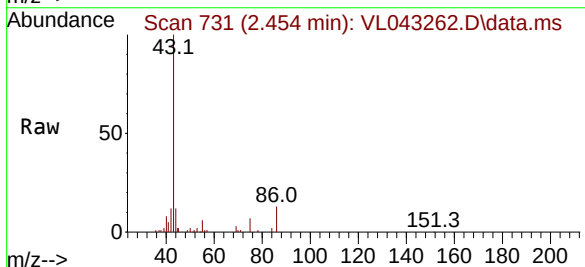
Instrument :
MSVOA_L
ClientSampleId :
SG-2

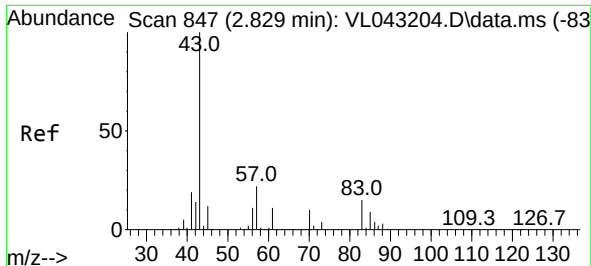
Tgt Ion: 41 Resp: 506
Ion Ratio Lower Upper
41 100
76 0.0 22.1 33.1#
39 190.7 61.0 91.4#



#23
Vinyl Acetate
Concen: 0.943 ppbv
RT: 2.454 min Scan# 731
Delta R.T. -0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 43 Resp: 16429
Ion Ratio Lower Upper
43 100
86 13.6 6.2 9.2#
42 9.0 8.0 12.0
44 1.5 4.0 6.0#

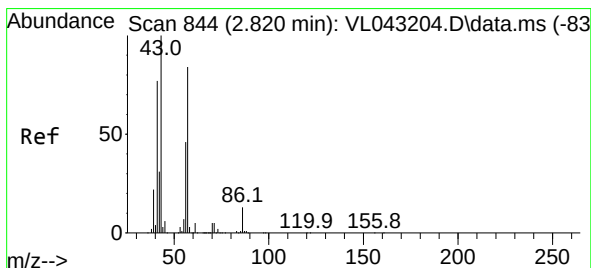
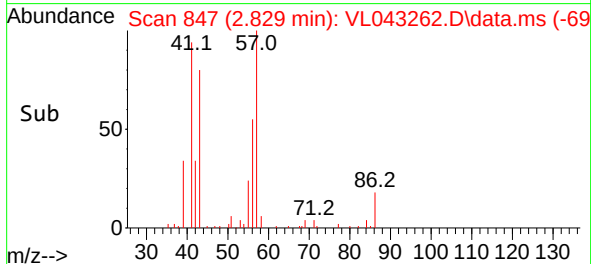
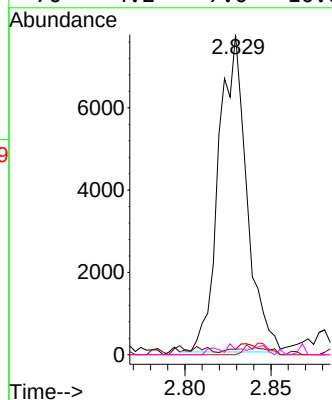
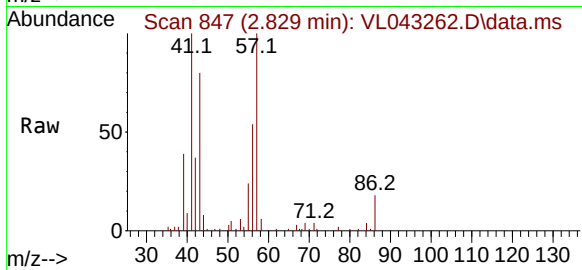




#25
Ethyl Acetate
Concen: 0.281 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

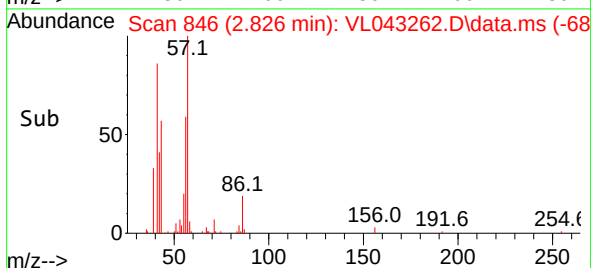
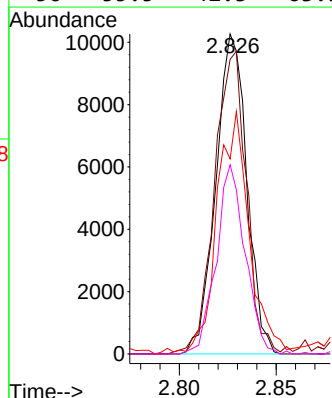
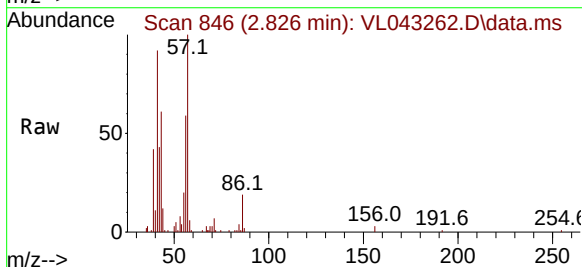
Instrument :
MSVOA_L
ClientSampleId :
SG-2

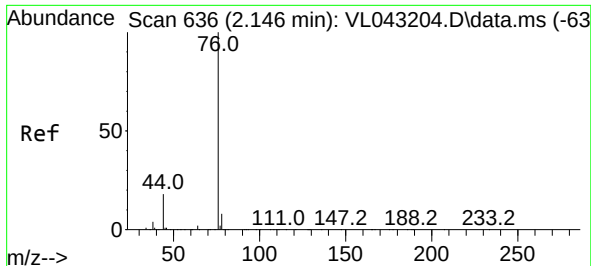
Tgt Ion:	43	Resp:	8755
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	2.6	7.0	10.4#
70	4.2	7.0	10.6#



#26
Hexane
Concen: 0.835 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:	57	Resp:	11396
Ion	Ratio	Lower	Upper
57	100		
41	97.9	74.6	111.8
43	78.3	179.0	268.4#
56	55.5	42.3	63.5





#27

Carbon Disulfide

Concen: 0.264 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.007 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

SG-2

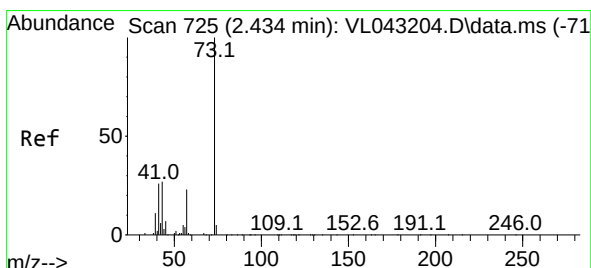
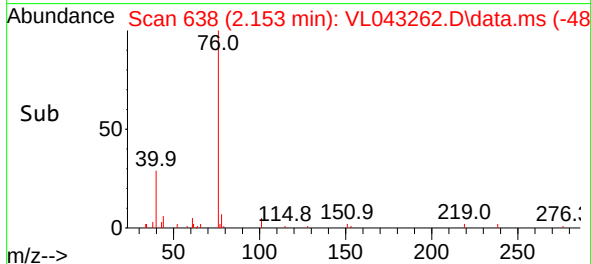
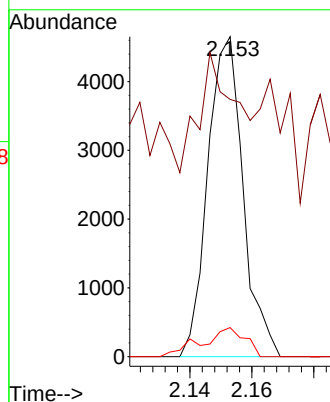
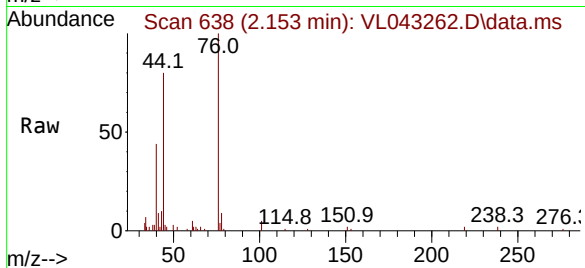
Tgt Ion: 76 Resp: 3676

Ion Ratio Lower Upper

76 100

44 98.2 16.1 24.1#

78 11.0 9.6 14.4



#28

Methyl tert-Butyl Ether

Concen: 0.144 ppbv

RT: 2.405 min Scan# 716

Delta R.T. -0.029 min

Lab File: VL043262.D

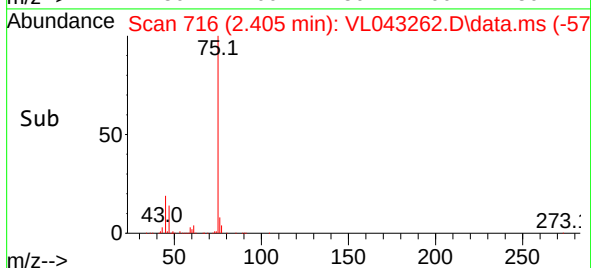
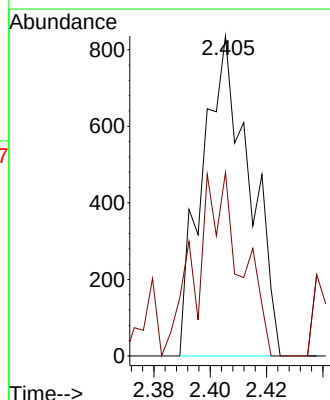
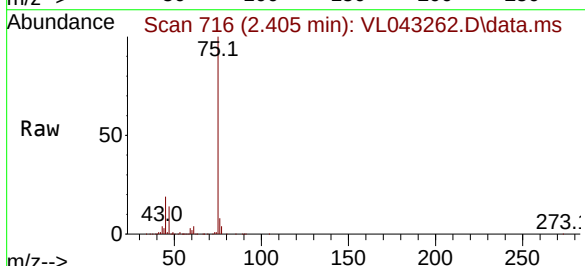
Acq: 20 Nov 2025 13:24

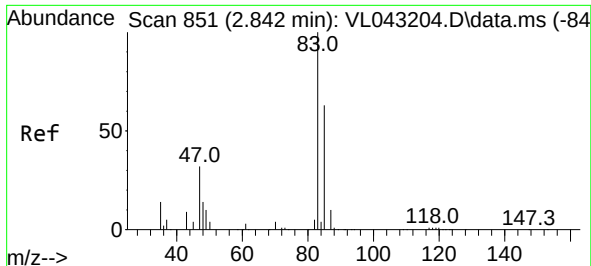
Tgt Ion: 73 Resp: 966

Ion Ratio Lower Upper

73 100

57 61.4 19.8 29.8#





#29

Chloroform

Concen: 0.059 ppbv

RT: 2.842 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

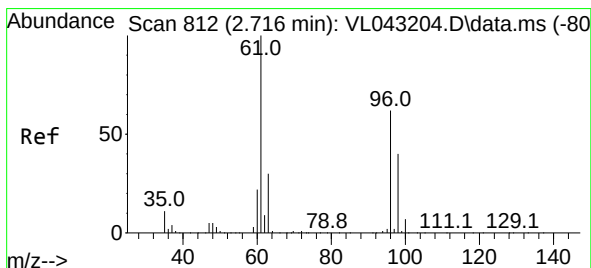
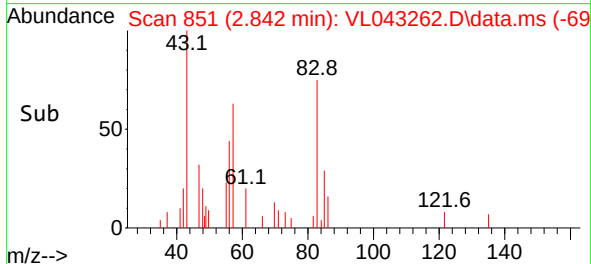
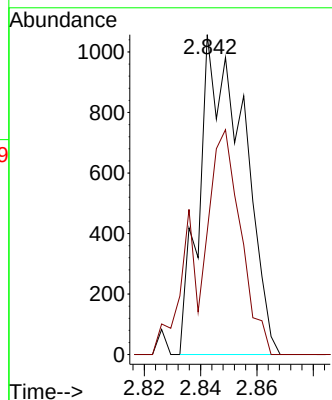
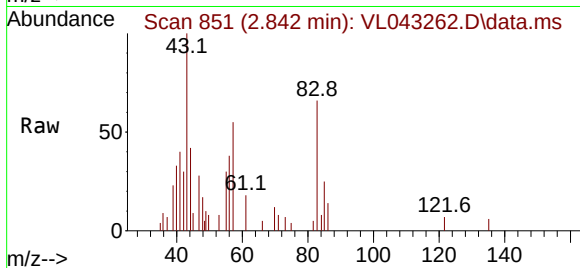
SG-2

Tgt Ion: 83 Resp: 1152

Ion Ratio Lower Upper

83 100

85 38.5 50.5 75.7#



#31

cis-1,2-Dichloroethene

Concen: 0.175 ppbv

RT: 2.719 min Scan# 813

Delta R.T. 0.003 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

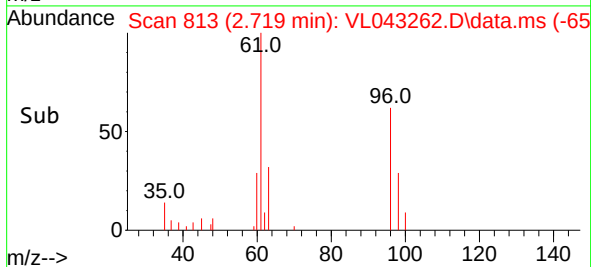
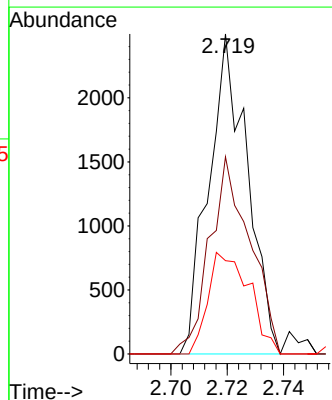
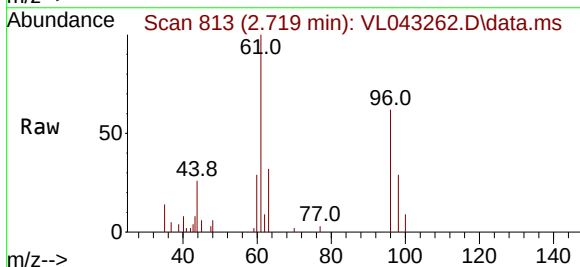
Tgt Ion: 61 Resp: 2376

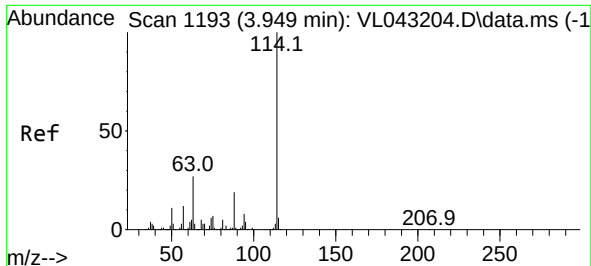
Ion Ratio Lower Upper

61 100

96 61.6 49.3 73.9

98 29.1 32.1 48.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. 0.007 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

SG-2

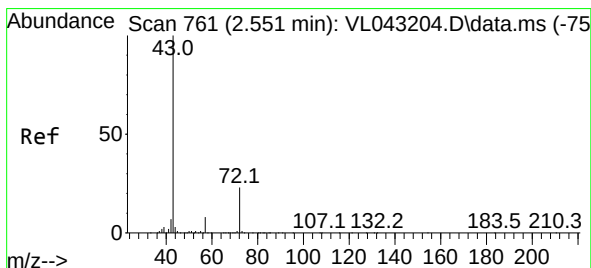
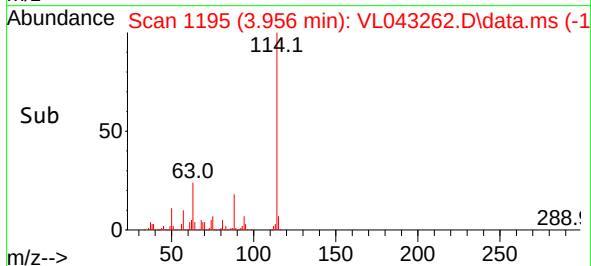
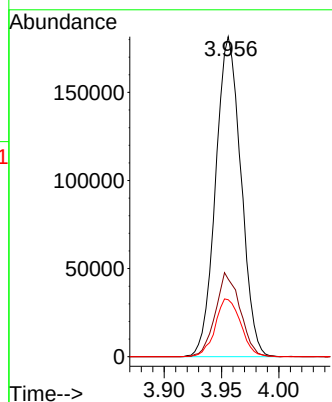
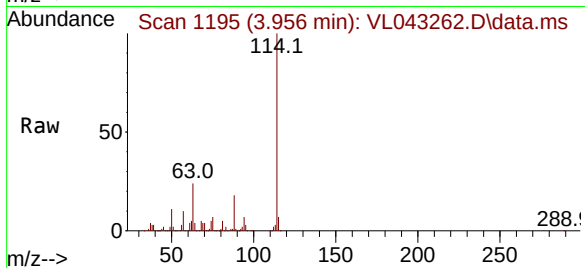
Tgt Ion:114 Resp: 279180

Ion Ratio Lower Upper

114 100

63 25.6 21.0 31.6

88 18.2 14.9 22.3



#34

2-Butanone

Concen: 1.325 ppbv

RT: 2.558 min Scan# 763

Delta R.T. 0.007 min

Lab File: VL043262.D

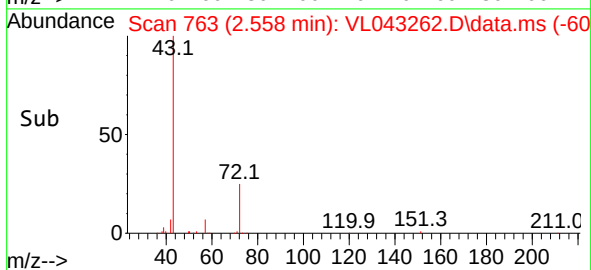
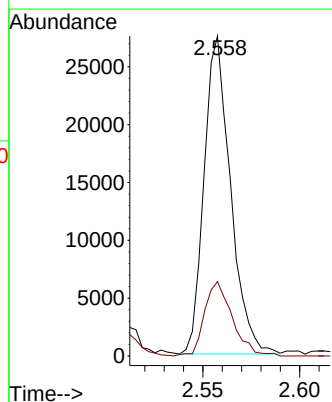
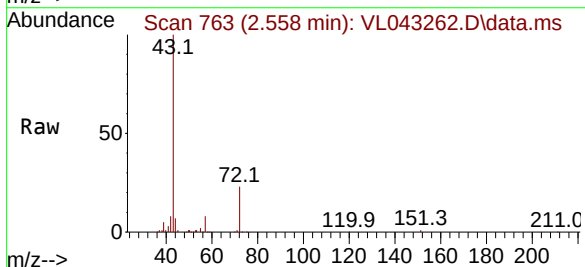
Acq: 20 Nov 2025 13:24

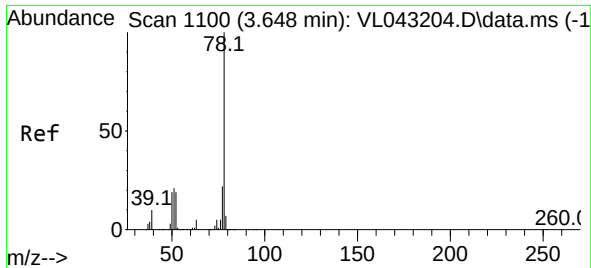
Tgt Ion: 43 Resp: 26112

Ion Ratio Lower Upper

43 100

72 24.6 18.1 27.1





#36

Benzene

Concen: 0.211 ppbv

RT: 3.655 min Scan# 1100

Delta R.T. 0.007 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

SG-2

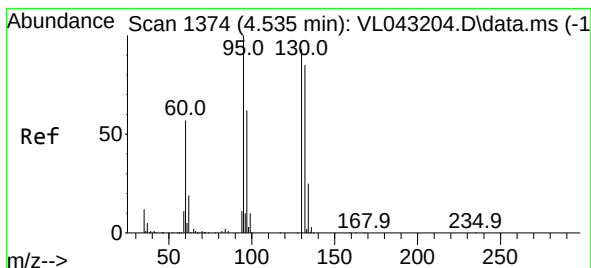
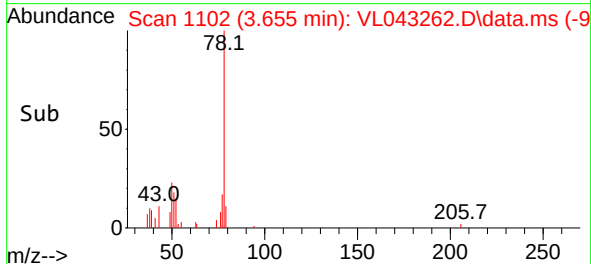
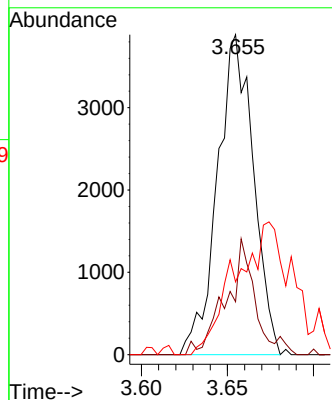
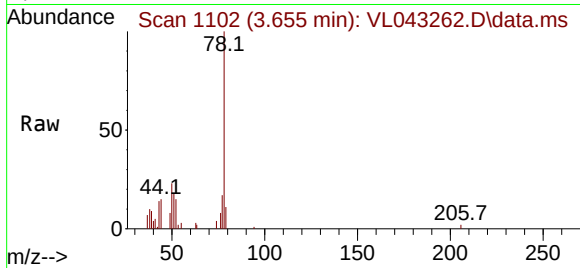
Tgt Ion: 78 Resp: 5648

Ion Ratio Lower Upper

78 100

77 16.6 17.5 26.3#

50 22.8 15.5 23.3



#38

Trichloroethene

Concen: 0.120 ppbv

RT: 4.555 min Scan# 1380

Delta R.T. 0.019 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

Tgt Ion:130 Resp: 1252

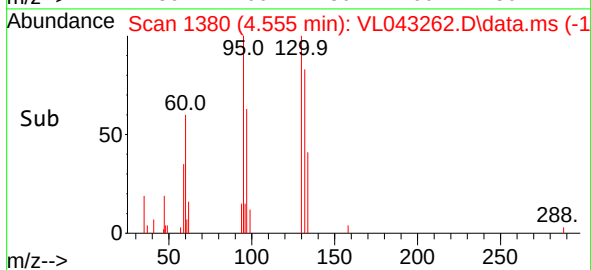
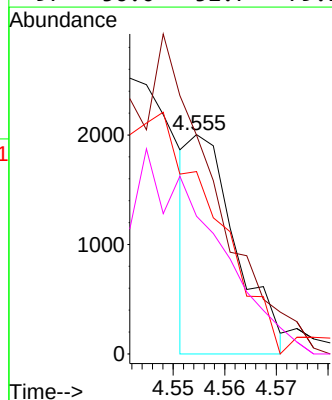
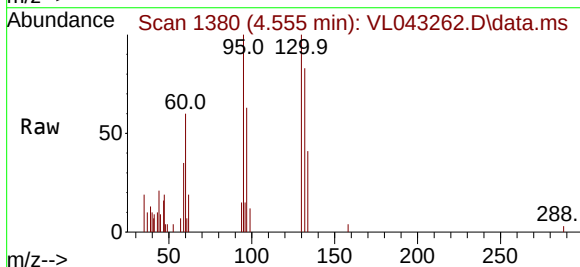
Ion Ratio Lower Upper

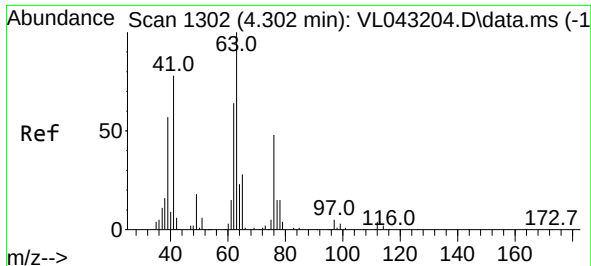
130 100

95 89.0 85.7 128.5

132 91.8 73.4 110.0

97 56.0 52.7 79.1





#39

1,2-Dichloropropane

Concen: 7.292 ppbv

RT: 3.953 min Scan# 1194

Delta R.T. -0.349 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

SG-2

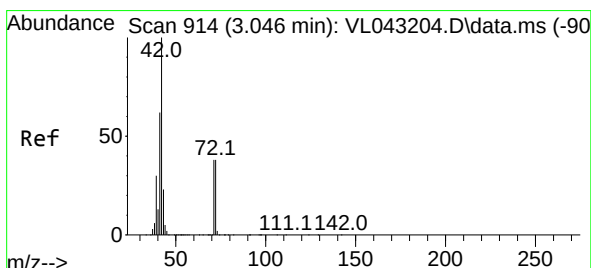
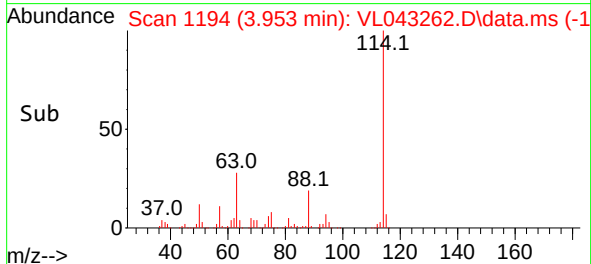
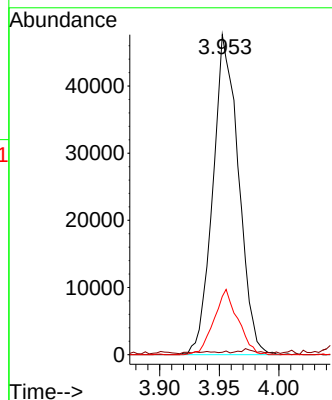
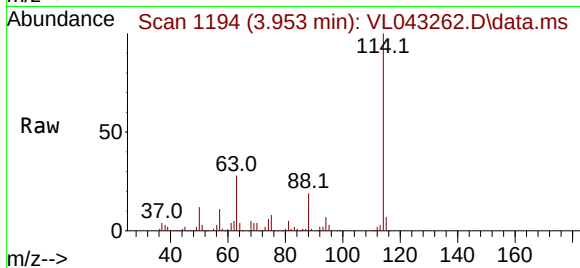
Tgt Ion: 63 Resp: 71356

Ion Ratio Lower Upper

63 100

41 0.5 62.6 93.8#

62 18.2 51.0 76.6#



#41

Tetrahydrofuran

Concen: 0.079 ppbv

RT: 3.059 min Scan# 918

Delta R.T. 0.013 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

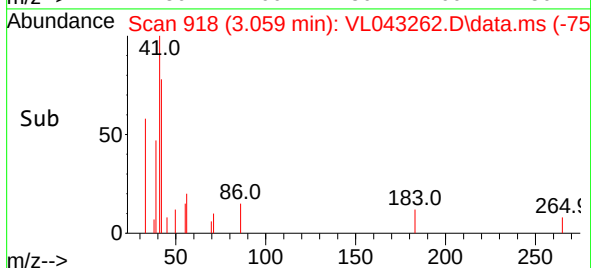
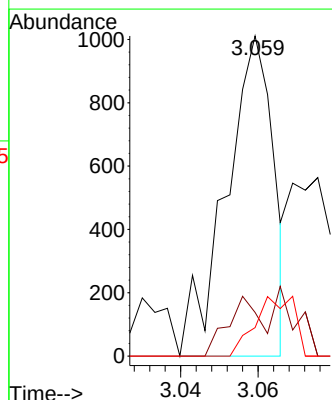
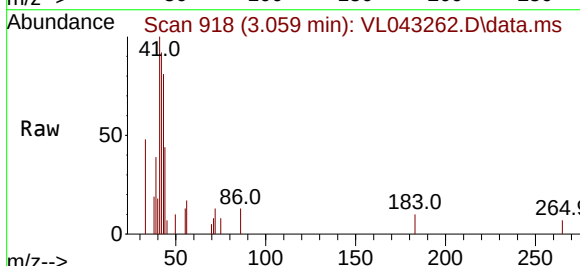
Tgt Ion: 42 Resp: 861

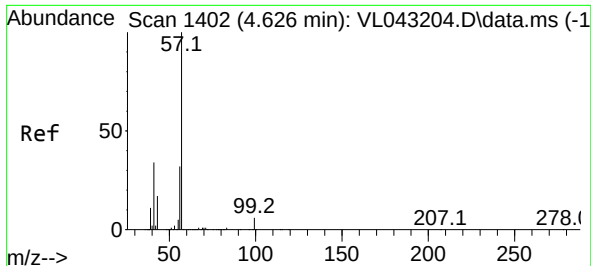
Ion Ratio Lower Upper

42 100

72 23.0 30.6 46.0#

71 15.3 30.5 45.7#

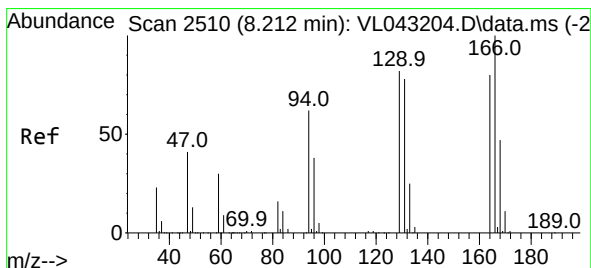
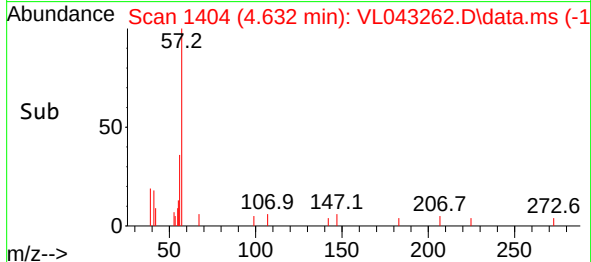
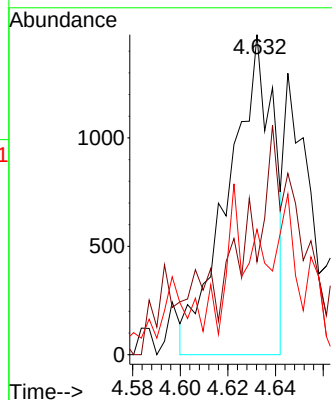
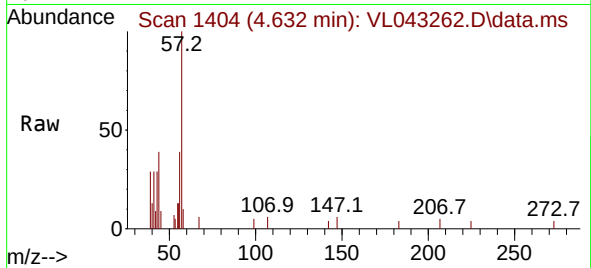




#44
2,2,4-Trimethylpentane
Concen: 0.043 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

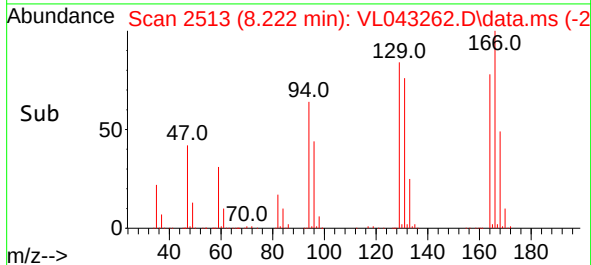
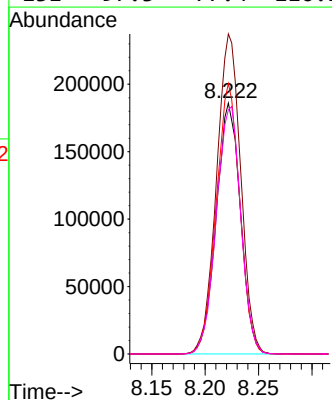
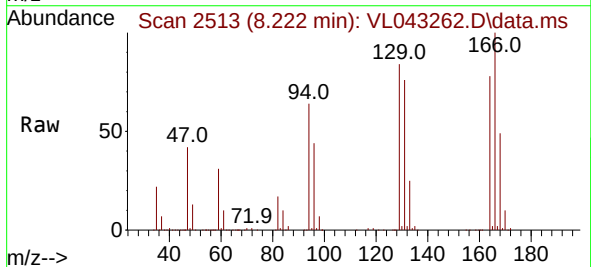
Instrument :
MSVOA_L
ClientSampleId :
SG-2

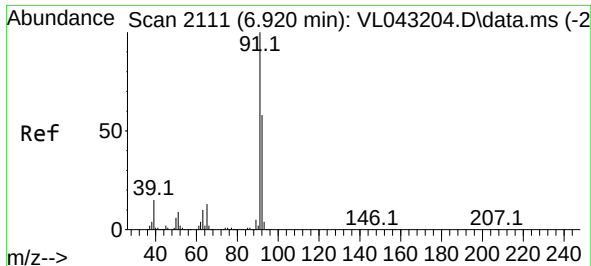
Tgt Ion: 57 Resp: 1953
Ion Ratio Lower Upper
57 100
41 0.0 28.0 42.0#
56 87.1 25.6 38.4#



#52
Tetrachloroethene
Concen: 29.432 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.010 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 164 Resp: 292708
Ion Ratio Lower Upper
164 100
166 127.6 99.4 149.2
129 107.8 81.8 122.8
131 97.3 77.4 116.2

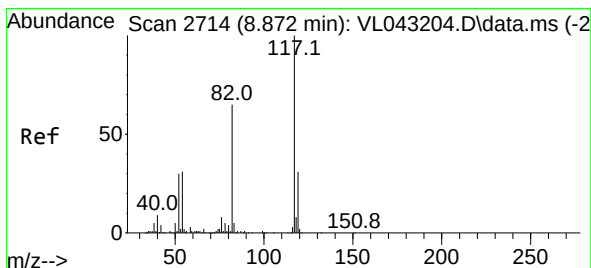
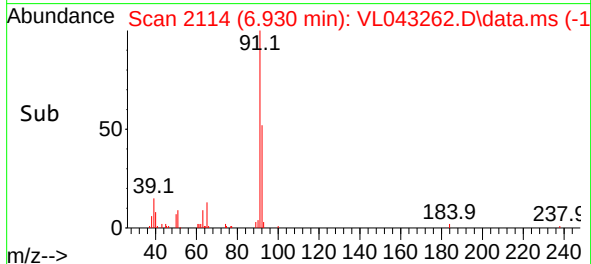
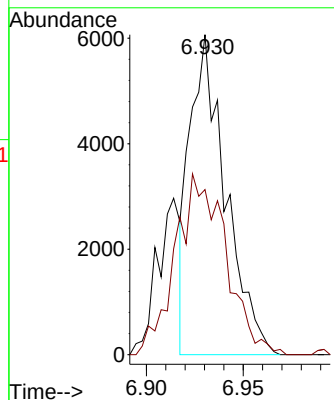
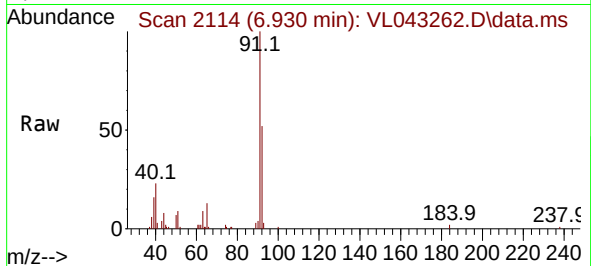




#53
Toluene
Concen: 0.246 ppbv
RT: 6.930 min Scan# 2111
Delta R.T. 0.010 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

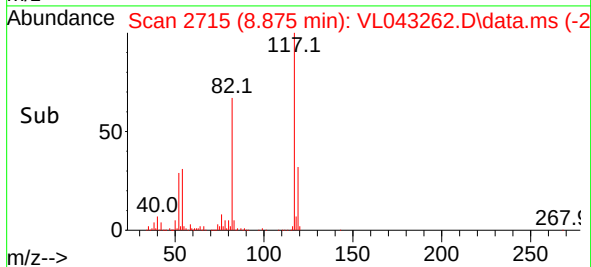
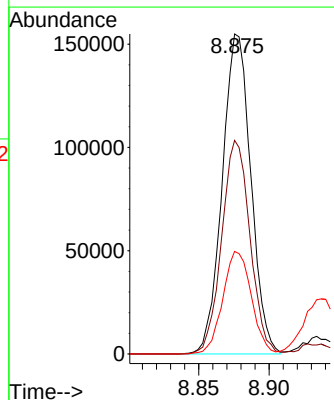
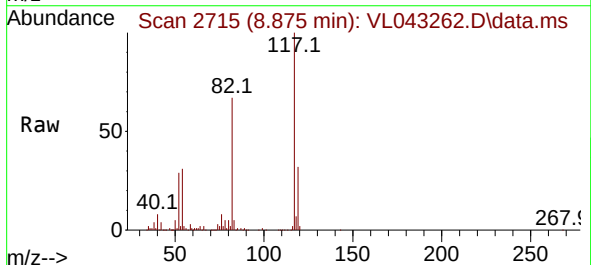
Instrument :
MSVOA_L
ClientSampleId :
SG-2

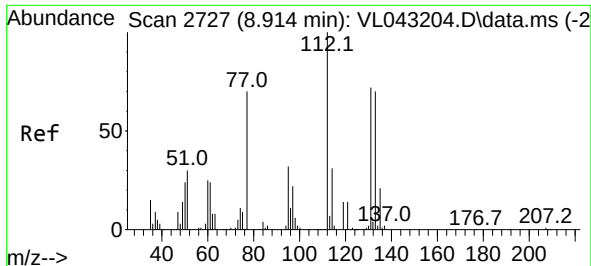
Tgt Ion: 91 Resp: 7801
Ion Ratio Lower Upper
91 100
92 79.3 47.4 71.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 117 Resp: 219347
Ion Ratio Lower Upper
117 100
82 66.1 56.1 84.1
119 31.9 25.0 37.6

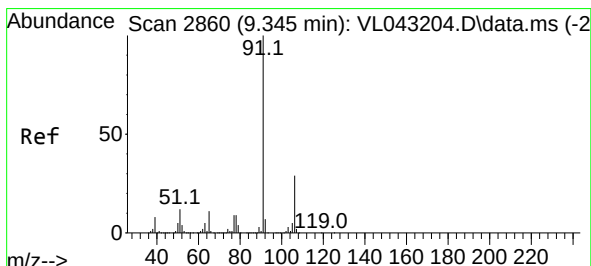
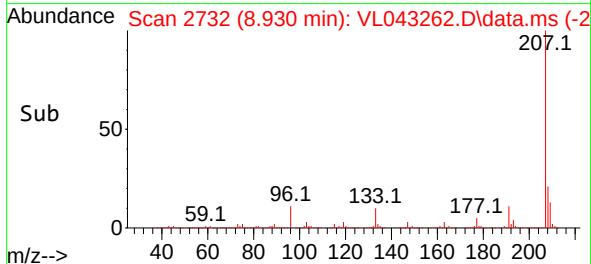
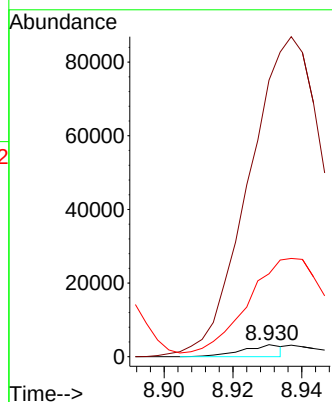
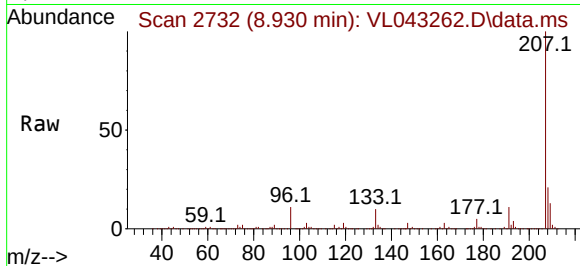




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.159 ppbv
 RT: 8.930 min Scan# 211
 Delta R.T. 0.016 min
 Lab File: VL043262.D
 Acq: 20 Nov 2025 13:24

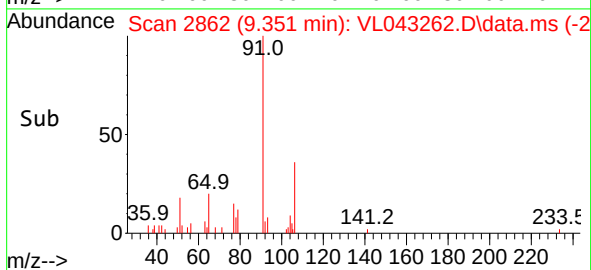
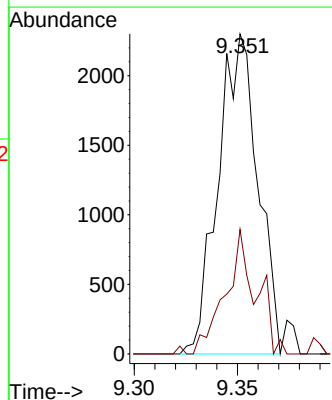
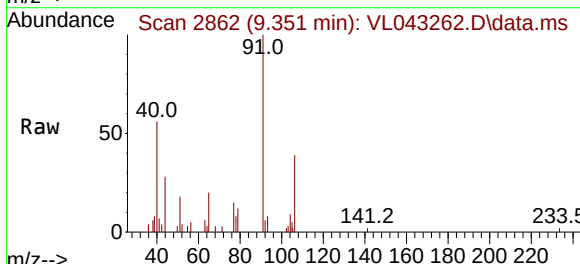
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

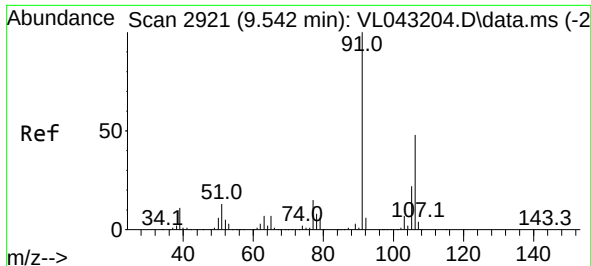
Tgt Ion:131 Resp: 2562
 Ion Ratio Lower Upper
 131 100
 133 0.0 77.4 116.2#
 119 2728.8 49.1 73.7#



#58
 Ethyl Benzene
 Concen: 0.073 ppbv
 RT: 9.351 min Scan# 2862
 Delta R.T. 0.007 min
 Lab File: VL043262.D
 Acq: 20 Nov 2025 13:24

Tgt Ion: 91 Resp: 3081
 Ion Ratio Lower Upper
 91 100
 106 36.5 22.8 34.2#





#59

m/p-Xylene

Concen: 0.049 ppbv

RT: 9.549 min Scan# 2921

Delta R.T. 0.007 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

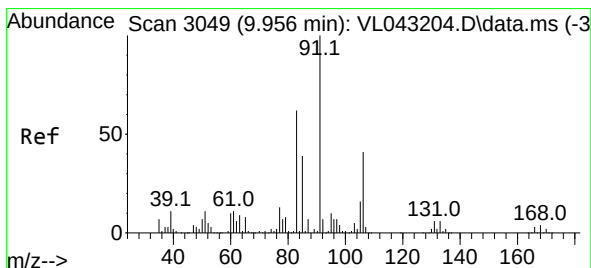
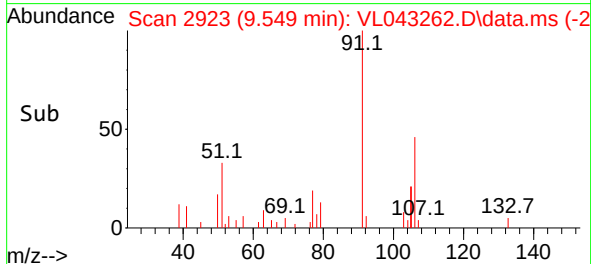
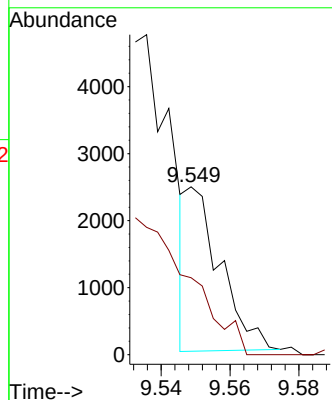
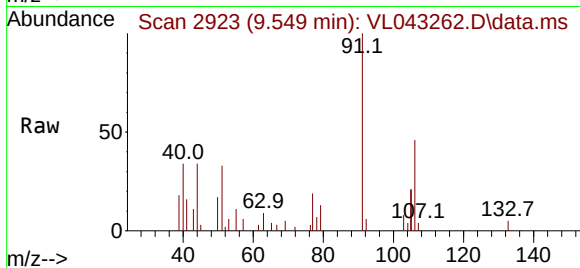
SG-2

Tgt Ion: 91 Resp: 1664

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 0.122 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.007 min

Lab File: VL043262.D

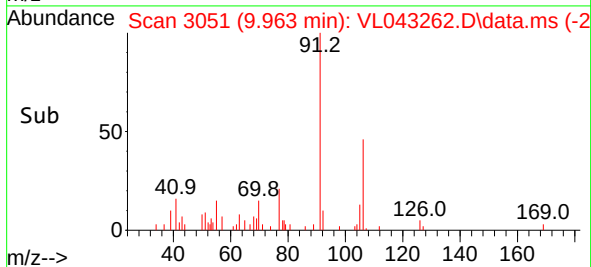
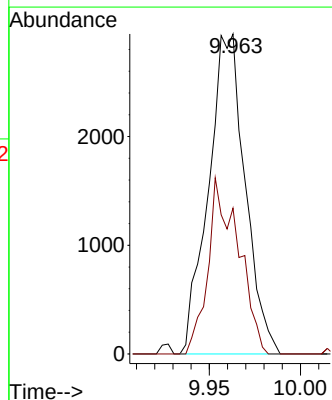
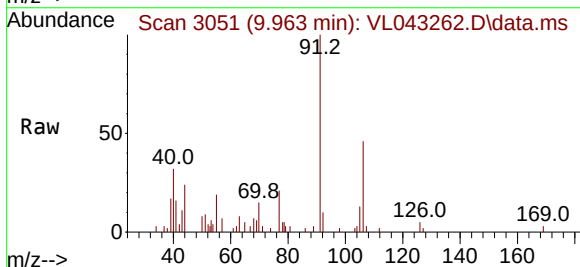
Acq: 20 Nov 2025 13:24

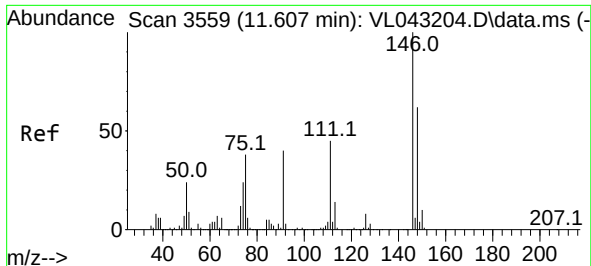
Tgt Ion: 91 Resp: 4116

Ion Ratio Lower Upper

91 100

106 45.8 20.9 62.8

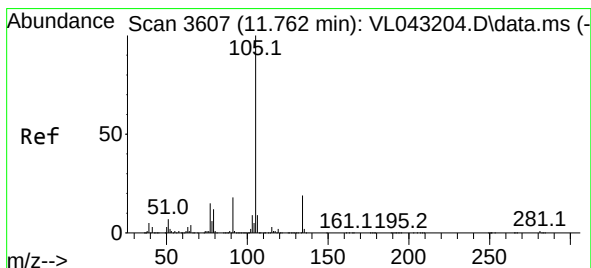
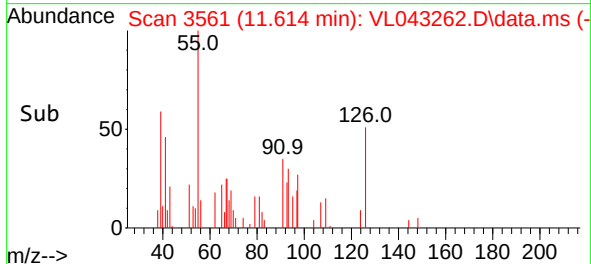
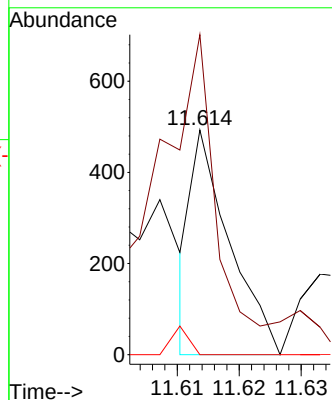
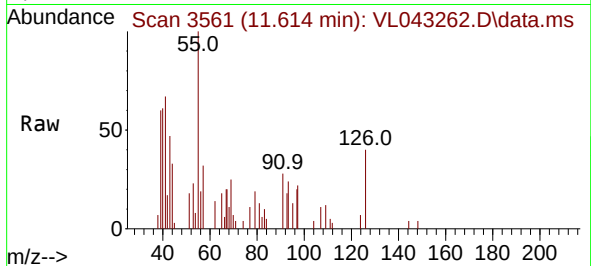




#66
Benzyl Chloride
Concen: 0.038 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

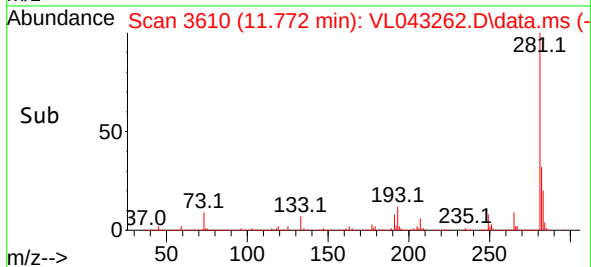
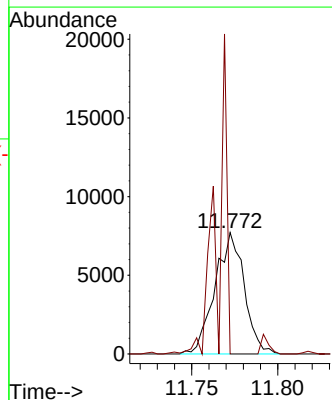
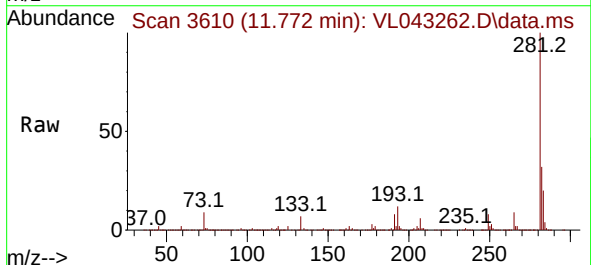
Instrument :
MSVOA_L
ClientSampleId :
SG-2

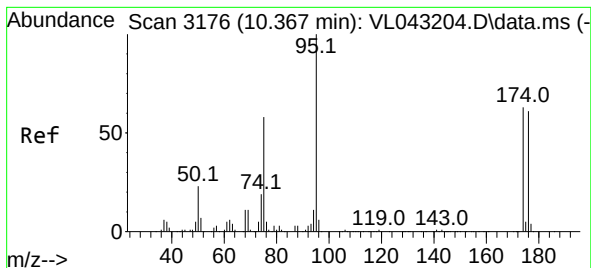
Tgt Ion: 91 Resp: 211
Ion Ratio Lower Upper
91 100
126 336.5 14.4 21.6#
128 0.0 4.6 6.8#



#67
sec-Butylbenzene
Concen: 0.121 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. 0.010 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 105 Resp: 9138
Ion Ratio Lower Upper
105 100
134 83.6 15.0 22.6#

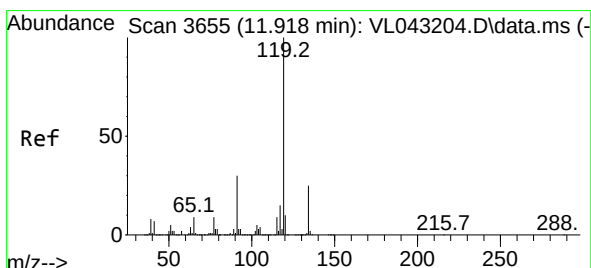
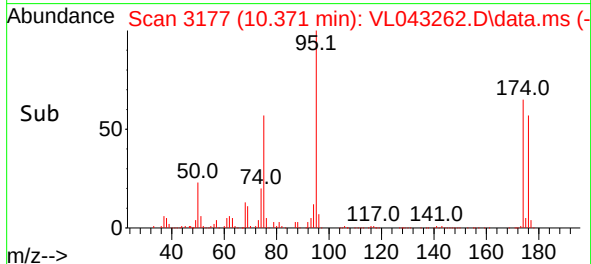
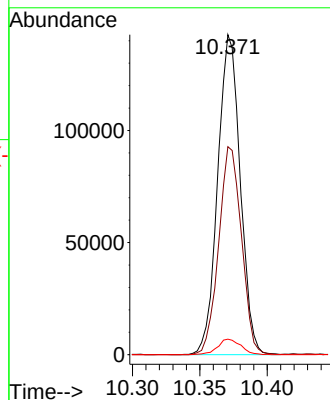
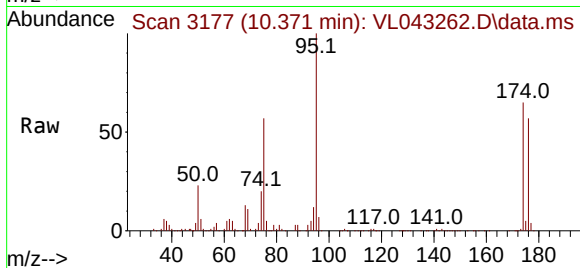




#68
1-Bromo-4-Fluorobenzene
Concen: 10.329 ppbv
RT: 10.371 min Scan# 3176
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

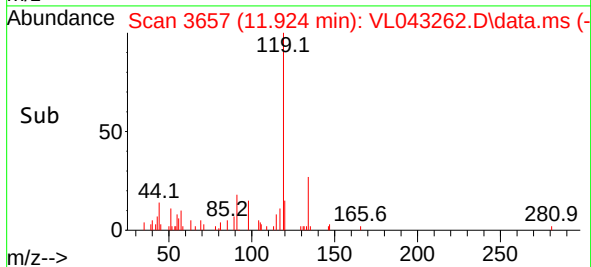
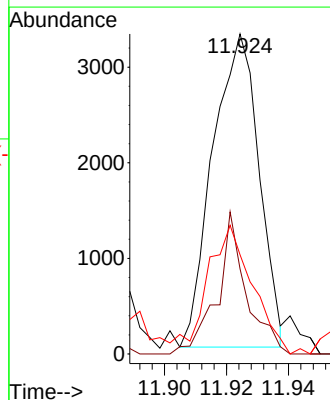
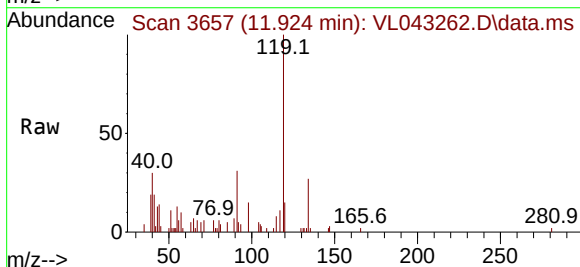
Instrument :
MSVOA_L
ClientSampleId :
SG-2

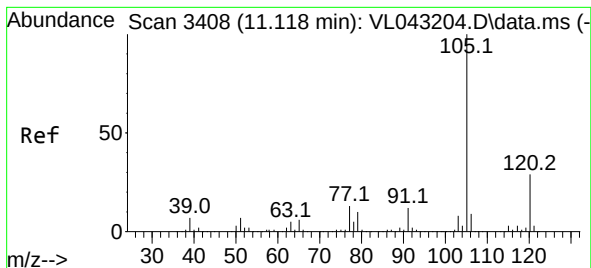
Tgt Ion: 95 Resp: 166068
Ion Ratio Lower Upper
95 100
174 65.7 50.2 75.2
175 5.0 4.1 6.1



#69
p-Isopropyltoluene
Concen: 0.053 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 119 Resp: 3400
Ion Ratio Lower Upper
119 100
134 28.6 20.2 30.2
91 38.4 23.8 35.8#





#72

4-Ethyltoluene

Concen: 0.032 ppbv

RT: 11.122 min Scan# 3409

Delta R.T. 0.003 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

SG-2

Tgt Ion:105 Resp: 1314

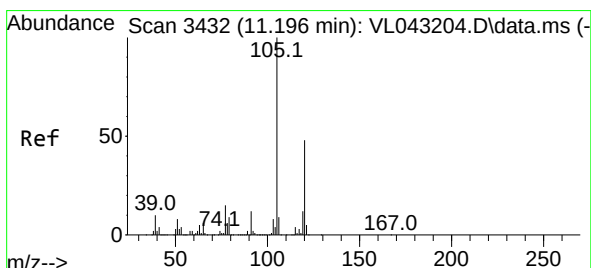
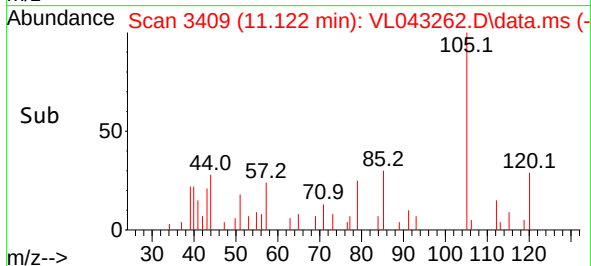
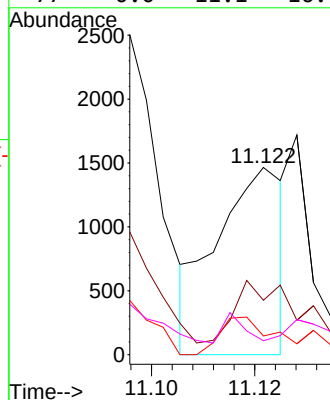
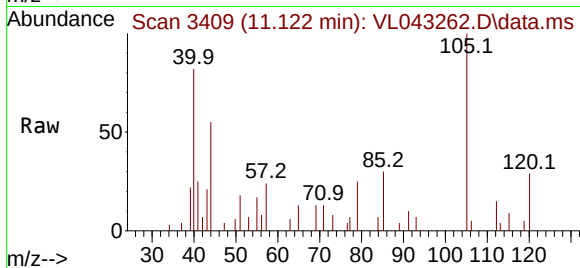
Ion Ratio Lower Upper

105 100

120 43.6 23.8 35.8#

91 20.0 10.3 15.5#

77 0.0 11.1 16.7#



#73

1,3,5-Trimethylbenzene

Concen: 0.031 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. 0.003 min

Lab File: VL043262.D

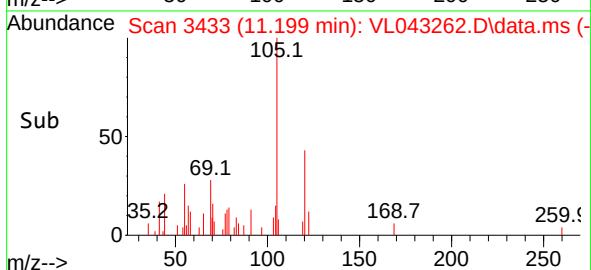
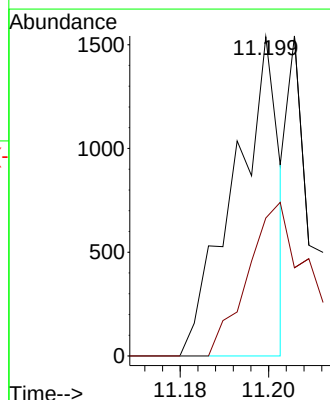
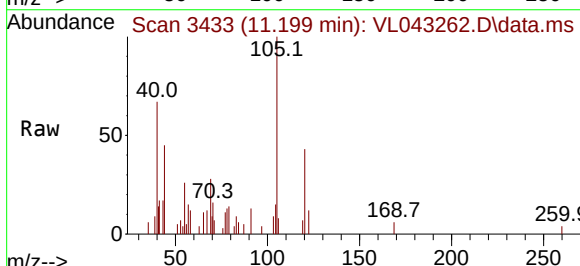
Acq: 20 Nov 2025 13:24

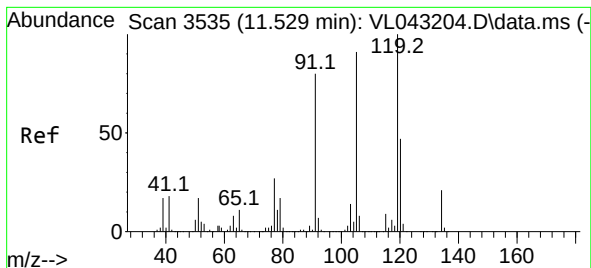
Tgt Ion:105 Resp: 1084

Ion Ratio Lower Upper

105 100

120 43.2 38.6 57.8





#74

1,2,4-Trimethylbenzene

Concen: 0.173 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

SG-2

Tgt Ion:105 Resp: 6527

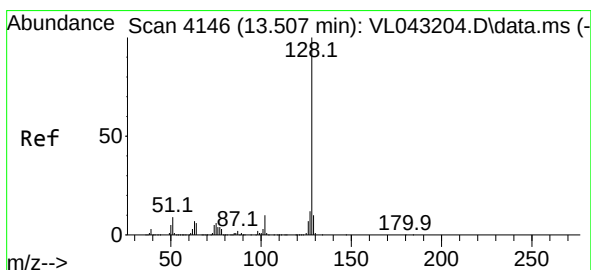
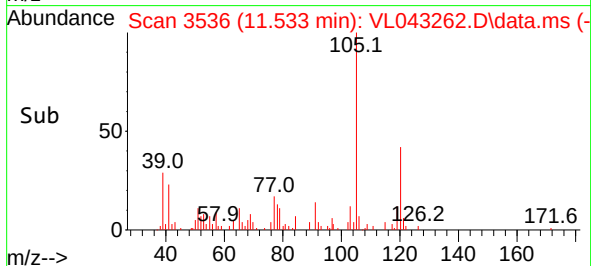
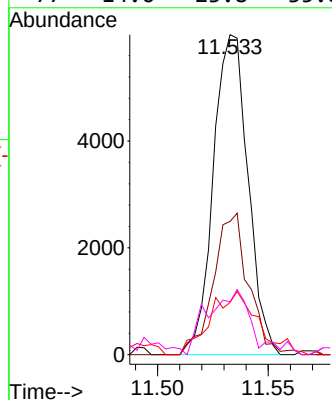
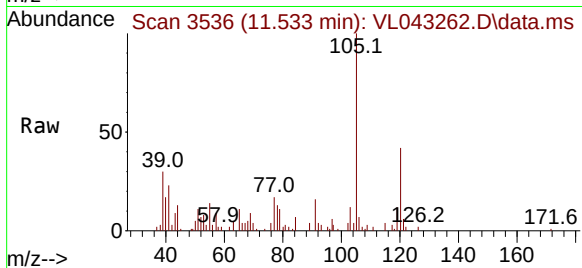
Ion Ratio Lower Upper

105 100

120 41.6 41.7 62.5#

91 16.3 70.0 105.0#

77 14.6 23.8 35.8#



#79

Naphthalene

Concen: 0.079 ppbv

RT: 13.507 min Scan# 4146

Delta R.T. 0.000 min

Lab File: VL043262.D

Acq: 20 Nov 2025 13:24

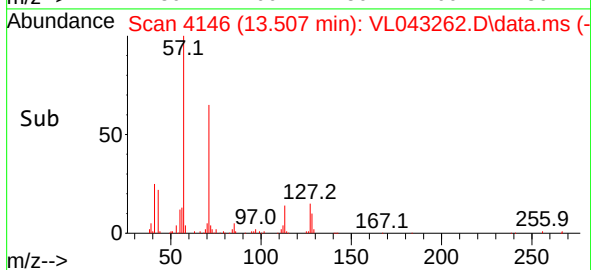
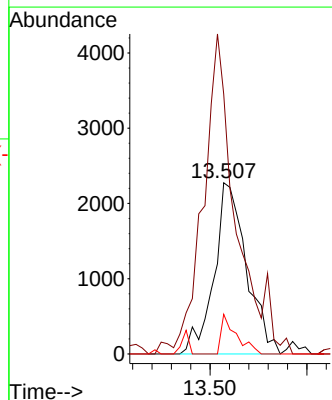
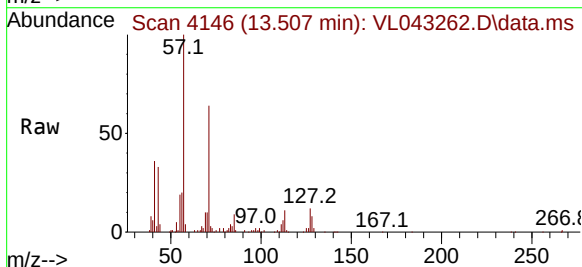
Tgt Ion:128 Resp: 2642

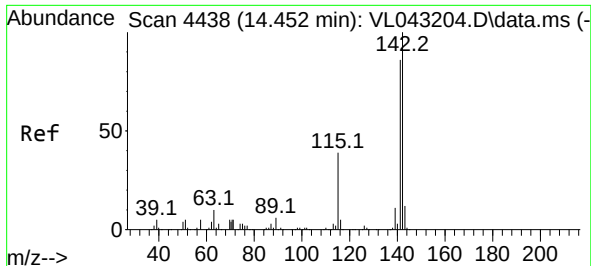
Ion Ratio Lower Upper

128 100

127 146.7 9.9 14.9#

129 23.2 8.4 12.6#

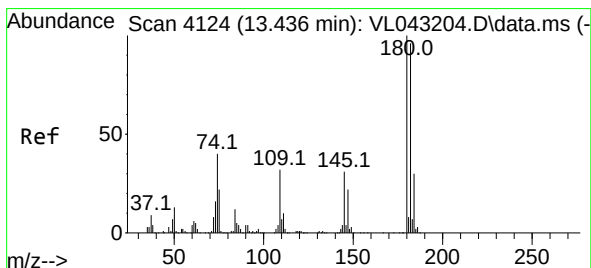
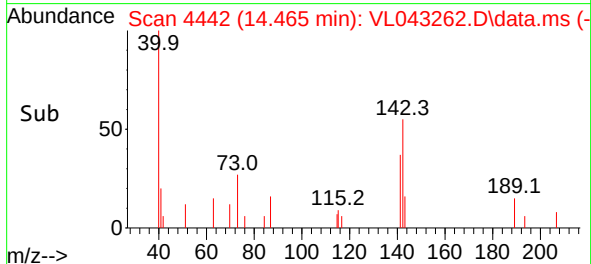
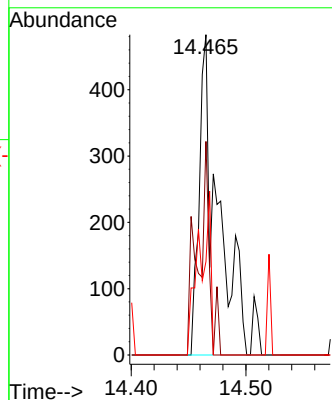
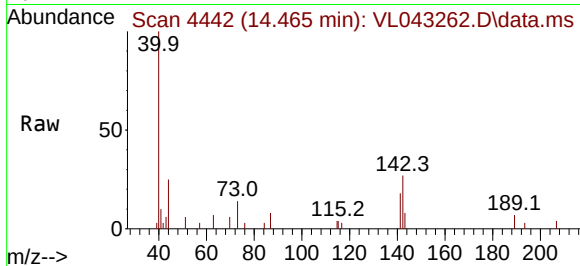




#80
Naphthalene, 2-methyl-
Concen: 0.065 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.013 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion:142 Resp: 570
Ion Ratio Lower Upper
142 100
141 38.9 67.1 100.7#
115 30.4 31.9 47.9#



#81
1,2,4-Trichlorobenzene
Concen: 0.032 ppbv
RT: 13.442 min Scan# 4126
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:180 Resp: 485
Ion Ratio Lower Upper
180 100
182 104.5 77.4 116.2
184 40.2 24.2 36.4#

