

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041800.D
 Acq On : 18 Dec 2024 18:50
 Operator : SY/MD
 Sample : P5293-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC1

Quant Time: Dec 19 07:57:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	75472	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.971	114	186655	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.894	117	166096	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	150452	10.870	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	5105	0.380	ppbv	91
3) Chlorodifluoromethane	1.680	51	459	0.037	ppbv	97
4) Chloromethane	1.537	50	10014	1.906	ppbv	92
7) Chloroethane	1.706	64	150	0.073	ppbv #	68
9) Propene	1.486	41	31355	5.878	ppbv	88
10) Heptane	4.994	43	1626	0.119	ppbv #	1
11) Trichlorofluoromethane	1.884	101	2747	0.193	ppbv #	82
12) 1,1,2-Trichlorotrifluo...	2.143	101	655	0.060	ppbv	95
13) Ethanol	1.732	45	2100930	4756.166	ppbv	99
15) Acetone	1.838	43	315433	21.480	ppbv	98
16) 1,3-Butadiene	1.605	39	15495	2.680	ppbv #	58
17) tert-Butyl alcohol	2.052	59	15513	1.065	ppbv	100
19) Isopropyl Alcohol	1.894	45	43147	4.897	ppbv #	1
20) Methylene Chloride	2.068	84	6983	1.668	ppbv	88
21) Allyl Chloride	2.081	41	2931	0.368	ppbv #	44
23) Vinyl Acetate	2.463	43	19772	2.900	ppbv #	95
25) Ethyl Acetate	2.848	43	30957	1.133	ppbv #	90
26) Hexane	2.835	57	4807	0.464	ppbv #	1
29) Chloroform	2.858	83	23212	1.469	ppbv	95
30) Cyclohexane	3.871	84	644	0.073	ppbv #	1
31) cis-1,2-Dichloroethene	2.848	61	3196	0.298	ppbv #	26
34) 2-Butanone	2.567	43	72623	4.836	ppbv	99
35) Carbon Tetrachloride	3.777	117	464	0.035	ppbv #	38
36) Benzene	3.667	78	15442	0.800	ppbv	97
37) 1,2-Dichloroethane	3.230	62	370	0.031	ppbv	98
39) 1,2-Dichloropropane	3.971	63	51579	7.386	ppbv #	18
41) Tetrahydrofuran	3.075	42	418	0.050	ppbv #	39
42) Bromodichloromethane	4.499	83	2015	0.146	ppbv	97
53) Toluene	6.949	91	27768	1.269	ppbv	96
58) Ethyl Benzene	9.373	91	3690	0.123	ppbv	95
59) m/p-Xylene	9.545	91	39541	1.645	ppbv #	100
60) o-Xylene	9.975	91	15281	0.634	ppbv	97
61) Styrene	9.885	104	4539	0.435	ppbv	98
64) n-propylbenzene	11.005	120	1276	0.139	ppbv #	1
65) tert-Butylbenzene	11.548	119	8469	0.259	ppbv #	44
66) Benzyl Chloride	11.545	91	10925	3.795	ppbv #	67
67) sec-Butylbenzene	11.891	105	9751	0.216	ppbv	92
69) p-Isopropyltoluene	11.937	119	6800	0.182	ppbv #	85
70) n-Butylbenzene	12.358	91	4337	0.120	ppbv #	82
71) 2-Chlorotoluene	10.869	91	25613	0.926	ppbv #	47
72) 4-Ethyltoluene	11.137	105	15210	0.534	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.215	105	15880	0.673	ppbv	89
74) 1,2,4-Trimethylbenzene	11.548	105	73547	2.896	ppbv #	58

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ClientSampleId :
C0AC1

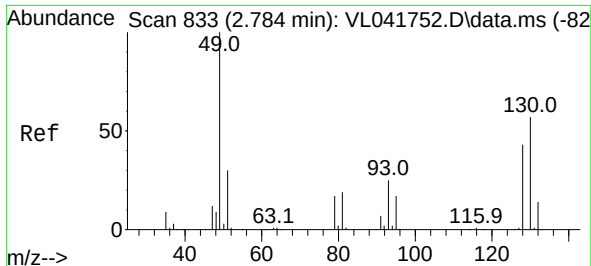
Quant Time: Dec 19 07:57:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	14.471	142	645	0.118	ppbv	# 72

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

Quant Time: Dec 19 07:57:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

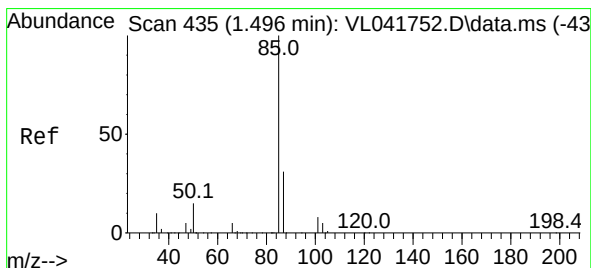
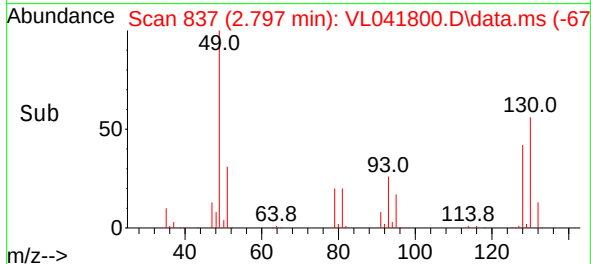
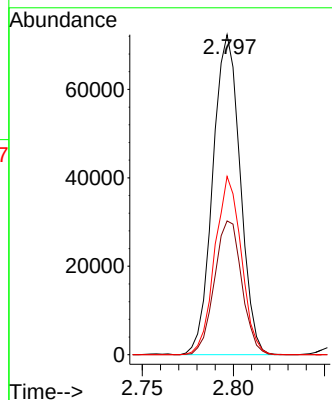
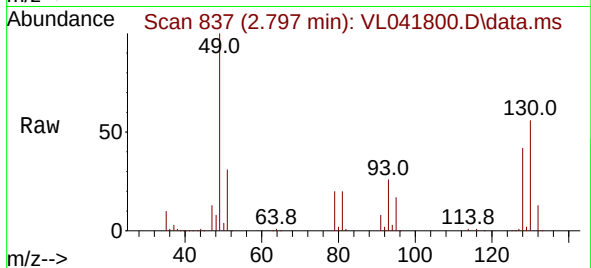




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 841
Delta R.T. 0.013 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

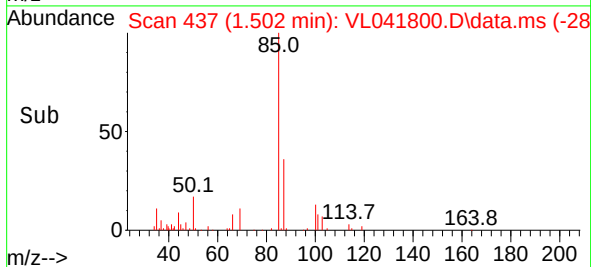
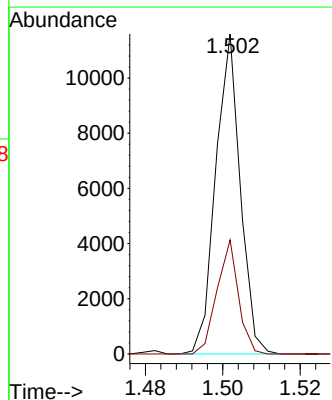
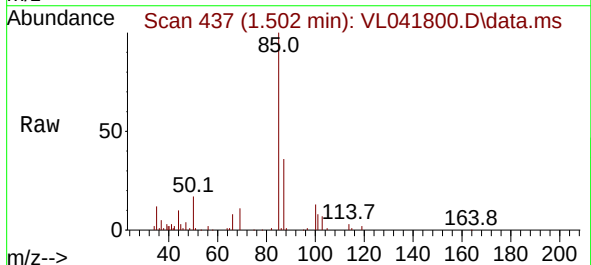
Instrument :
MSVOA_L
ClientSampleId :
C0AC1

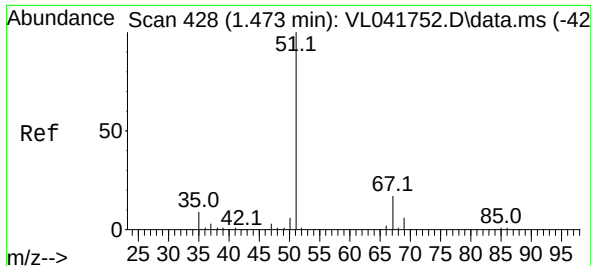
Tgt Ion: 49 Resp: 75472
Ion Ratio Lower Upper
49 100
128 41.8 21.6 64.6
130 53.9 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 0.380 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

Tgt Ion: 85 Resp: 5105
Ion Ratio Lower Upper
85 100
87 35.6 24.5 36.7

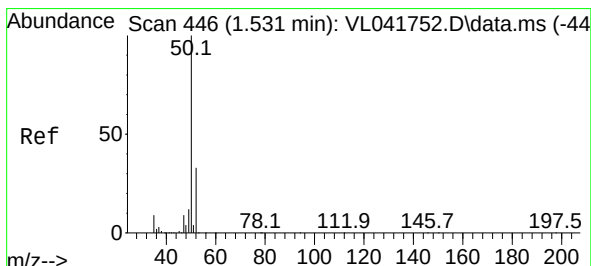
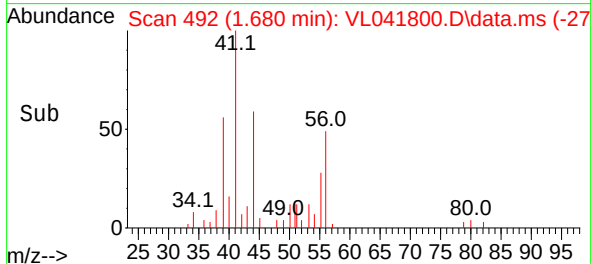
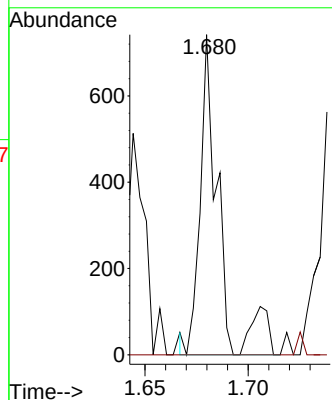
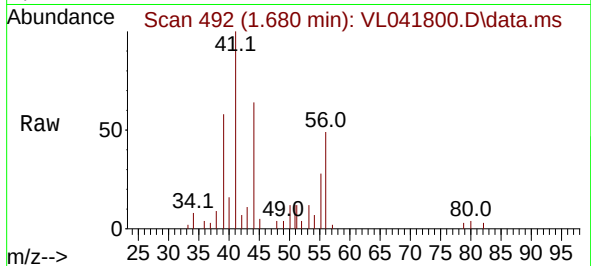




#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 1.680 min Scan# 41
Delta R.T. 0.207 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

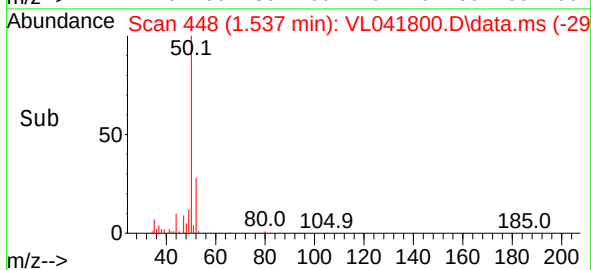
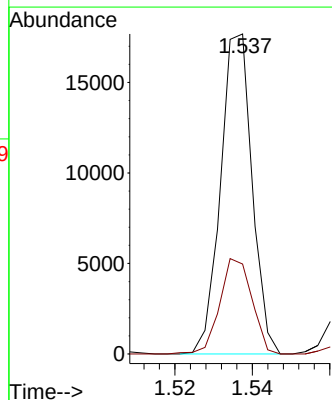
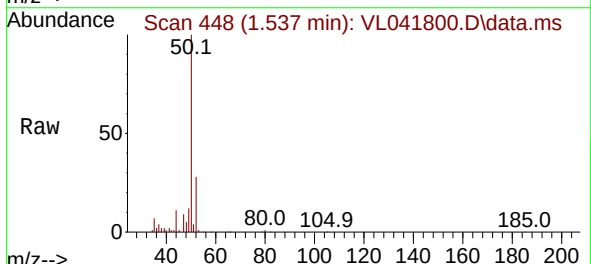
Instrument :
MSVOA_1
ClientSampleId :
C0AC1

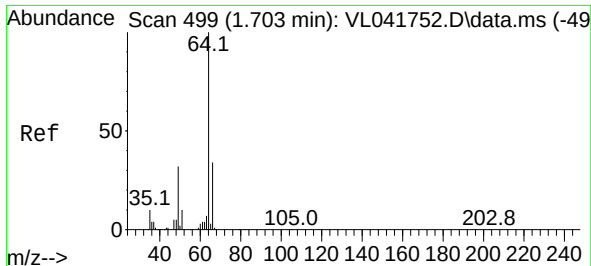
Tgt Ion: 51 Resp: 459
Ion Ratio Lower Upper
51 100
67 20.0 15.0 22.4



#4
Chloromethane
Concen: 1.906 ppbv
RT: 1.537 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

Tgt Ion: 50 Resp: 10014
Ion Ratio Lower Upper
50 100
52 28.1 26.2 39.2

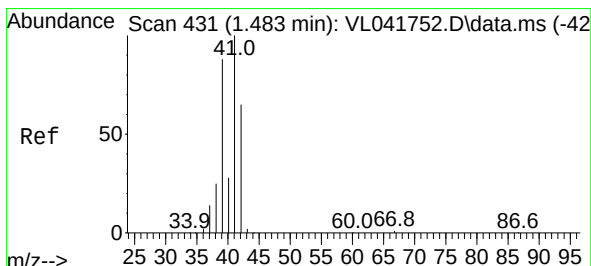
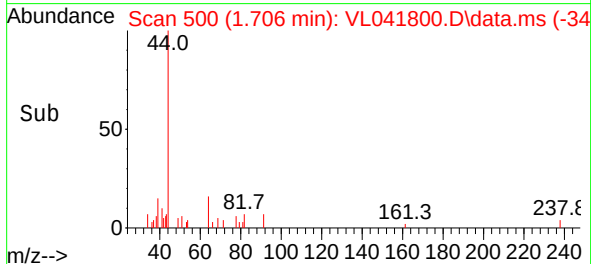
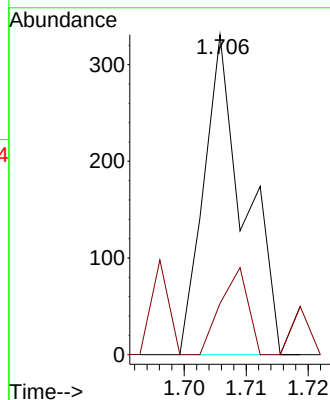
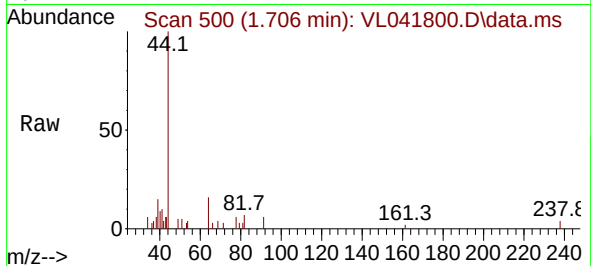




#7
Chloroethane
Concen: 0.073 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

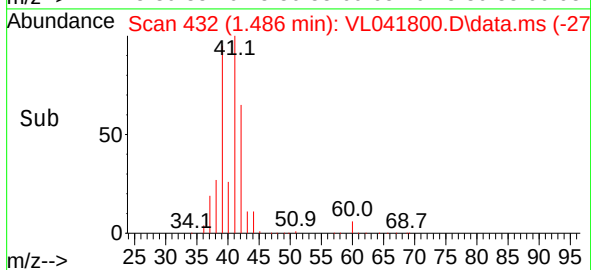
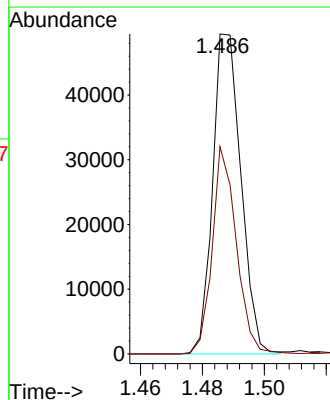
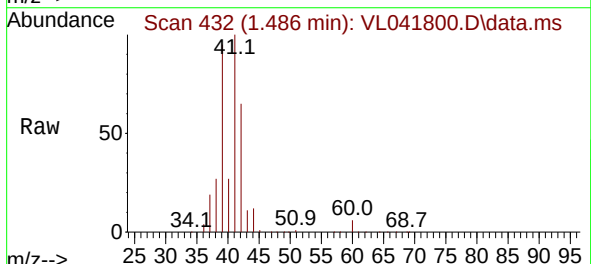
Instrument :
MSVOA_1
ClientSampleId :
C0AC1

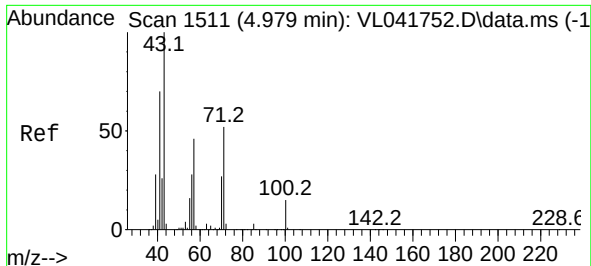
Tgt Ion: 64 Resp: 150
Ion Ratio Lower Upper
64 100
66 16.0 27.5 41.3#



#9
Propene
Concen: 5.878 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

Tgt Ion: 41 Resp: 31355
Ion Ratio Lower Upper
41 100
42 55.6 52.4 78.6





#10

Heptane

Concen: 0.119 ppbv

RT: 4.994 min Scan# 1516

Delta R.T. 0.016 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

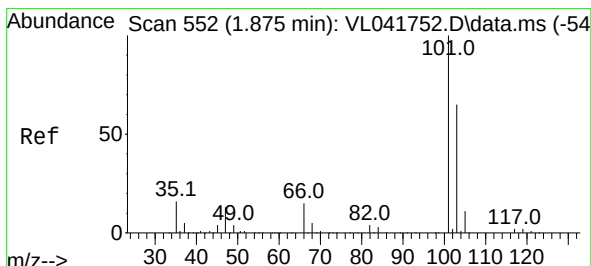
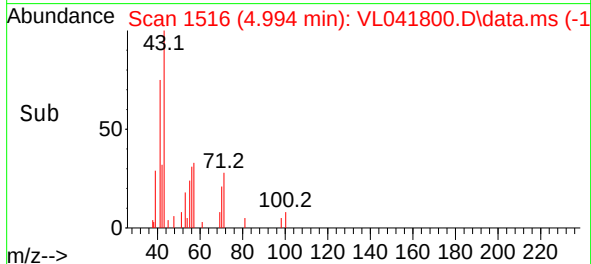
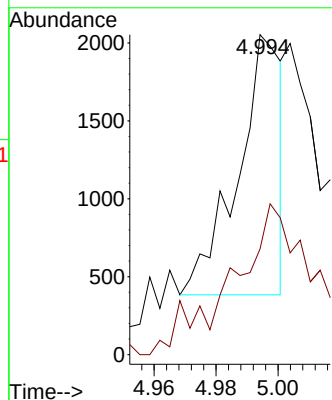
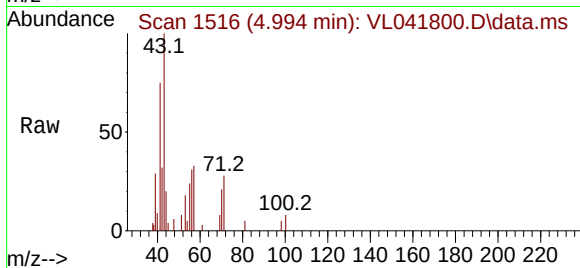
C0AC1

Tgt Ion: 43 Resp: 1626

Ion Ratio Lower Upper

43 100

57 116.0 38.5 57.7#



#11

Trichlorofluoromethane

Concen: 0.193 ppbv

RT: 1.884 min Scan# 555

Delta R.T. 0.009 min

Lab File: VL041800.D

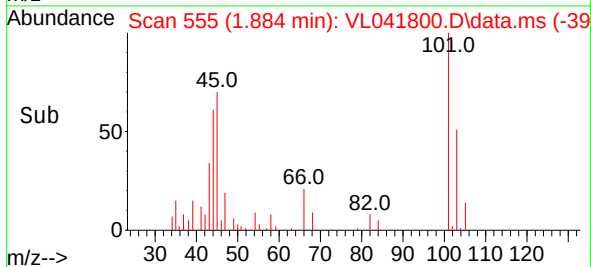
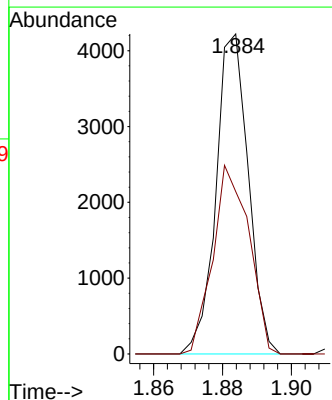
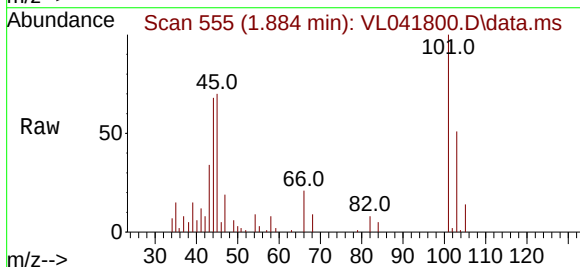
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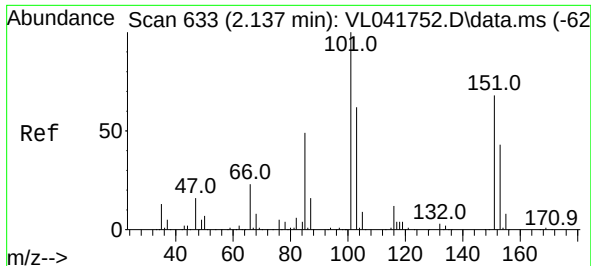
Tgt Ion:101 Resp: 2747

Ion Ratio Lower Upper

101 100

103 50.7 51.8 77.8#





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.060 ppbv

RT: 2.143 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

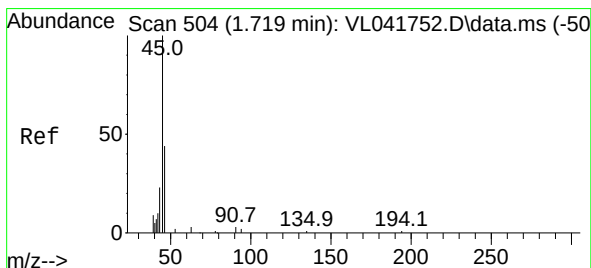
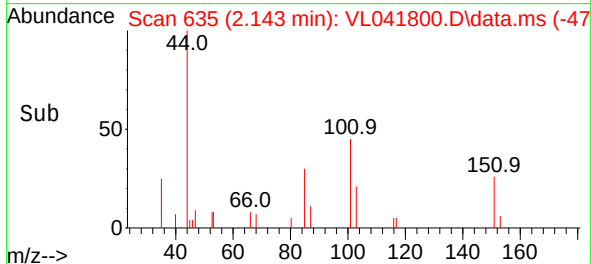
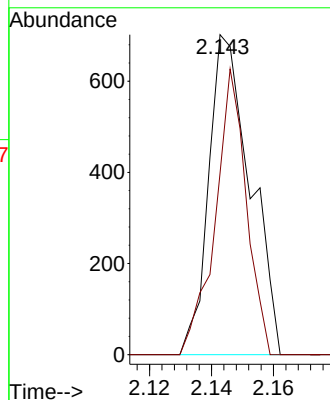
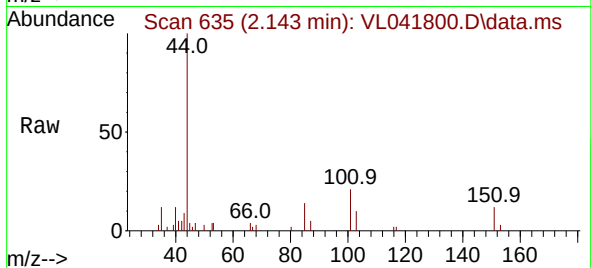
C0AC1

Tgt Ion:101 Resp: 655

Ion Ratio Lower Upper

101 100

151 66.7 56.8 85.2



#13

Ethanol

Concen: 4756.166 ppbv

RT: 1.732 min Scan# 508

Delta R.T. 0.012 min

Lab File: VL041800.D

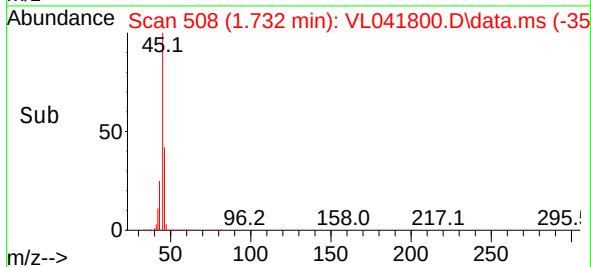
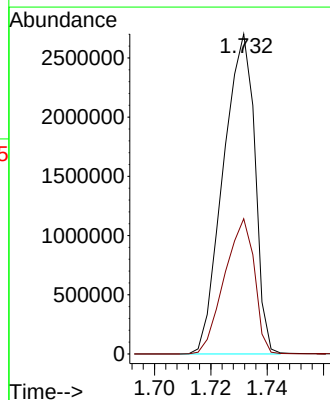
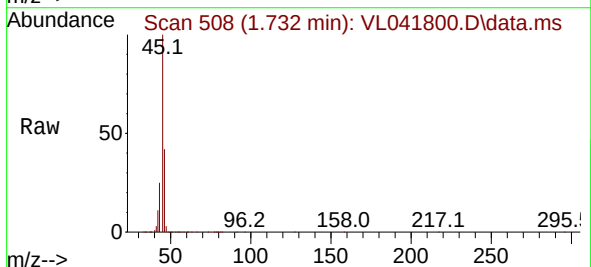
Acq: 18 Dec 2024 18:50

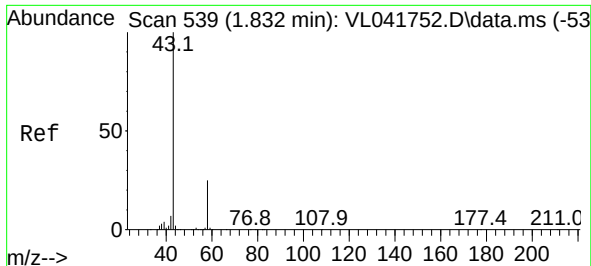
Tgt Ion: 45 Resp: 2100930

Ion Ratio Lower Upper

45 100

46 40.2 16.4 65.8





#15

Acetone

Concen: 21.480 ppbv

RT: 1.838 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

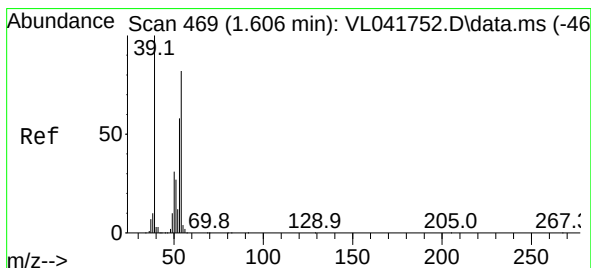
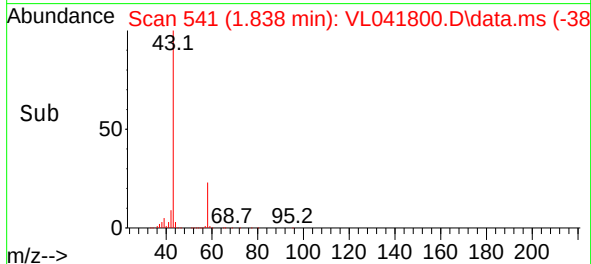
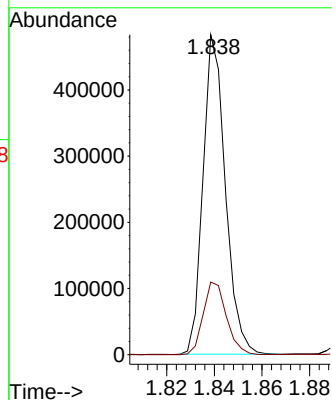
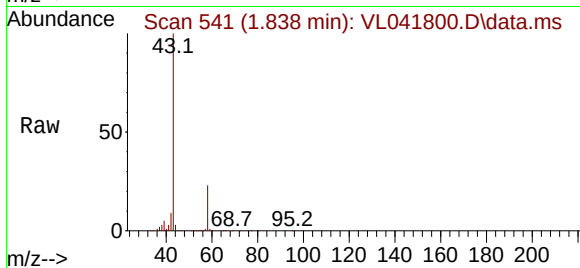
C0AC1

Tgt Ion: 43 Resp: 315433

Ion Ratio Lower Upper

43 100

58 23.8 19.7 29.5



#16

1,3-Butadiene

Concen: 2.680 ppbv

RT: 1.605 min Scan# 469

Delta R.T. -0.000 min

Lab File: VL041800.D

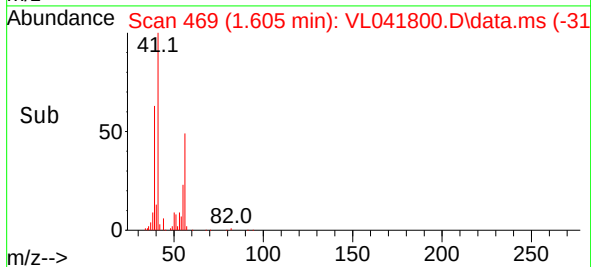
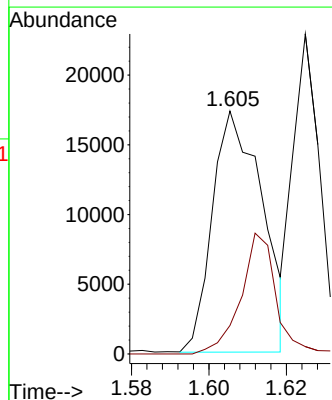
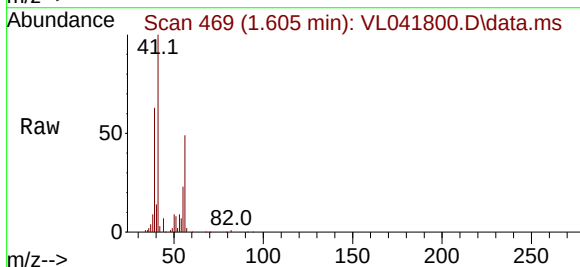
Acq: 18 Dec 2024 18:50

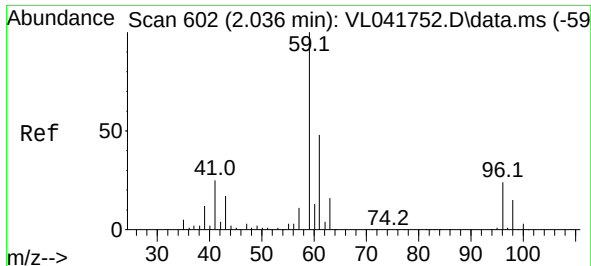
Tgt Ion: 39 Resp: 15495

Ion Ratio Lower Upper

39 100

54 37.5 58.4 87.6#





#17

tert-Butyl alcohol

Concen: 1.065 ppbv

RT: 2.052 min Scan# 602

Delta R.T. 0.016 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

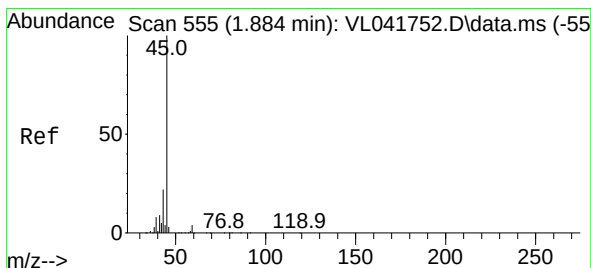
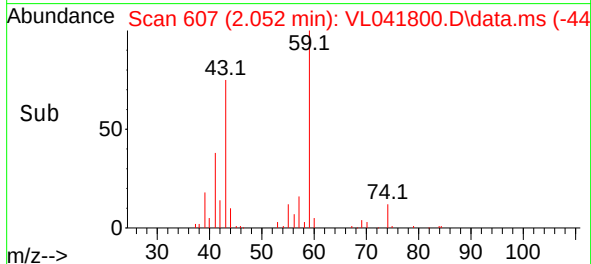
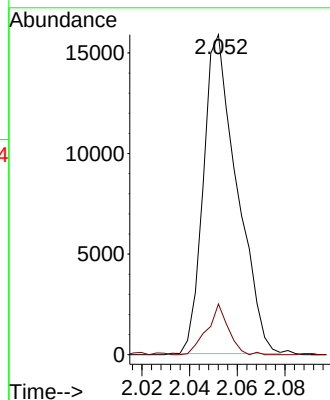
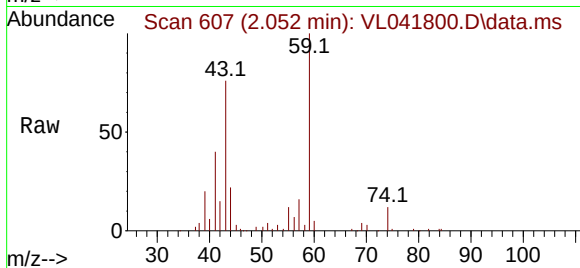
C0AC1

Tgt Ion: 59 Resp: 15513

Ion Ratio Lower Upper

59 100

57 10.7 8.6 13.0



#19

Isopropyl Alcohol

Concen: 4.897 ppbv

RT: 1.894 min Scan# 558

Delta R.T. 0.009 min

Lab File: VL041800.D

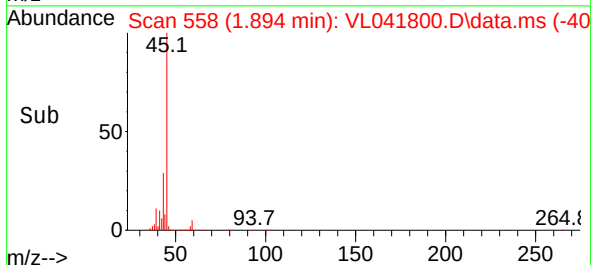
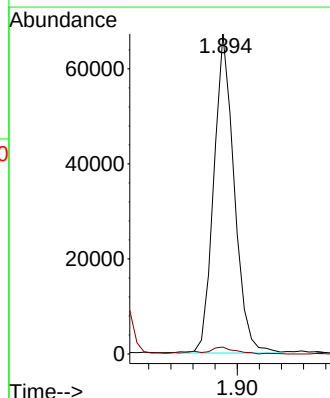
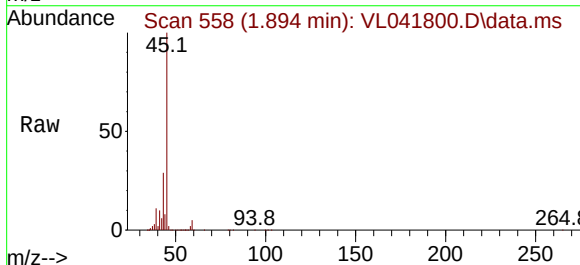
Acq: 18 Dec 2024 18:50

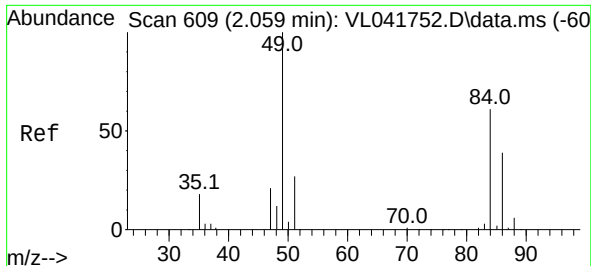
Tgt Ion: 45 Resp: 43147

Ion Ratio Lower Upper

45 100

58 172.8 33.3 49.9#





#20

Methylene Chloride

Concen: 1.668 ppbv

RT: 2.068 min Scan# 612

Delta R.T. 0.009 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_1

ClientSampleId :

C0AC1

Tgt Ion: 84 Resp: 6983

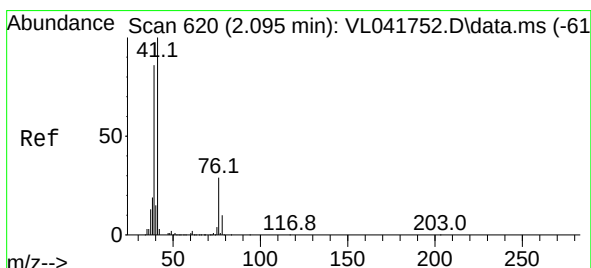
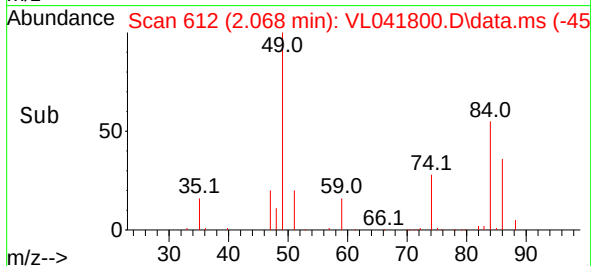
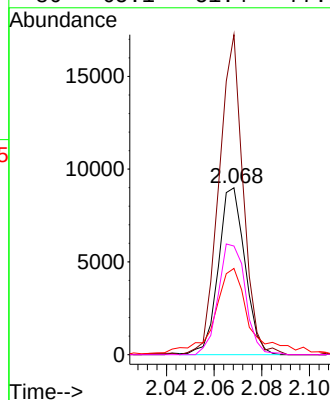
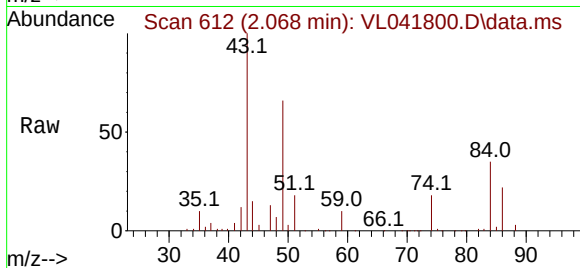
Ion Ratio Lower Upper

84 100

49 191.7 132.6 198.8

51 47.4 37.6 56.4

86 65.1 51.4 77.0



#21

Allyl Chloride

Concen: 0.368 ppbv

RT: 2.081 min Scan# 616

Delta R.T. -0.013 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

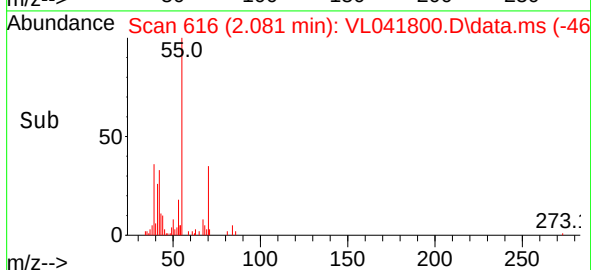
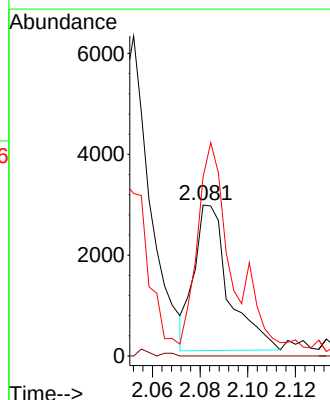
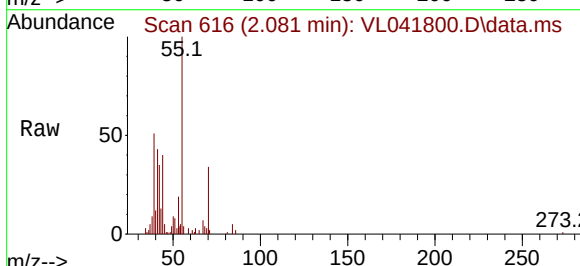
Tgt Ion: 41 Resp: 2931

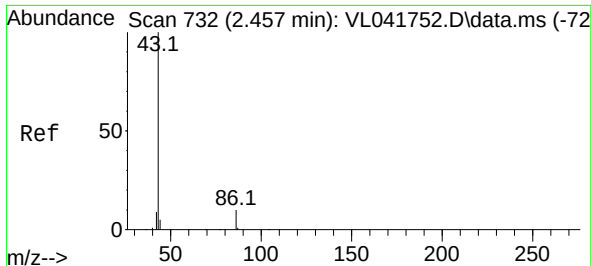
Ion Ratio Lower Upper

41 100

76 0.0 22.3 33.5#

39 138.5 69.2 103.8#

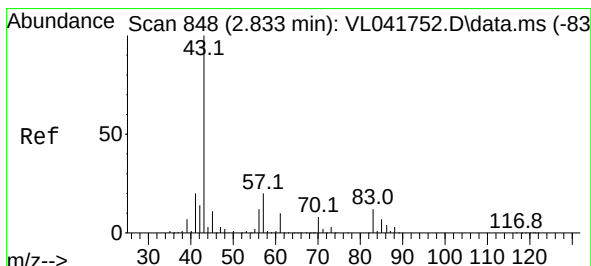
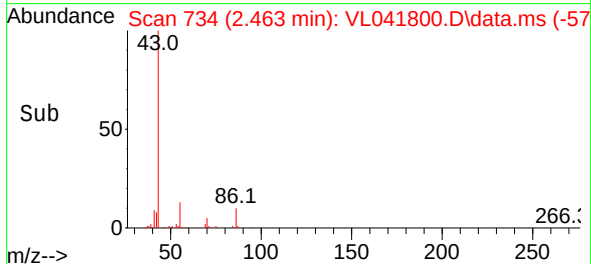
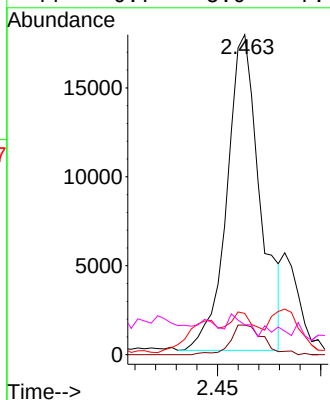
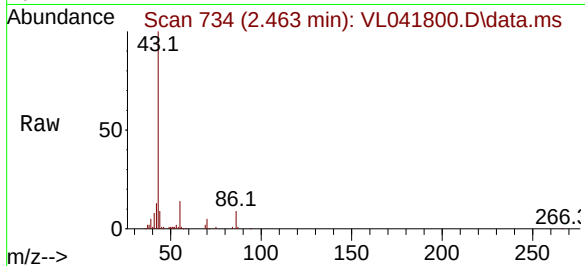




#23
 Vinyl Acetate
 Concen: 2.900 ppbv
 RT: 2.463 min Scan# 74
 Delta R.T. 0.006 min
 Lab File: VL041800.D
 Acq: 18 Dec 2024 18:50

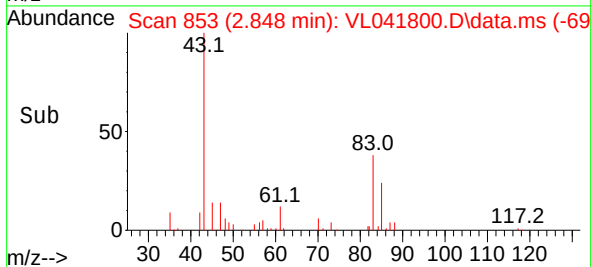
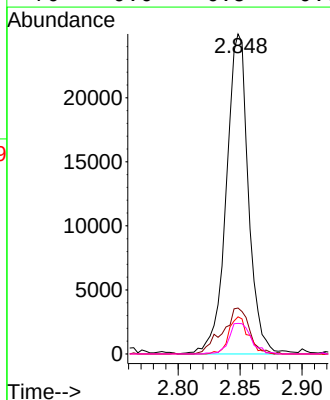
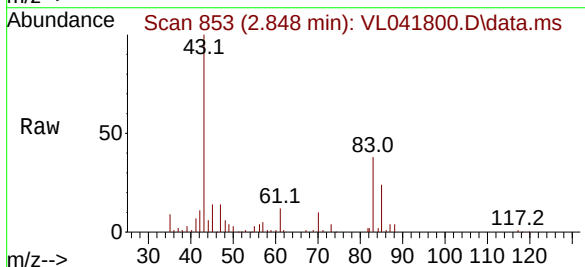
Instrument :
 MSVOA_1
 ClientSampleId :
 C0AC1

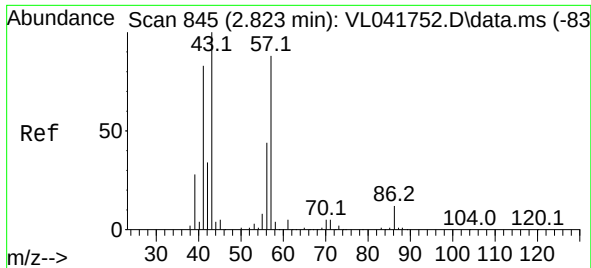
Tgt Ion:	43	Resp:	19772
Ion	Ratio	Lower	Upper
43	100		
86	9.4	6.6	10.0
42	9.9	8.2	12.2
44	0.7	5.0	7.4



#25
 Ethyl Acetate
 Concen: 1.133 ppbv
 RT: 2.848 min Scan# 853
 Delta R.T. 0.016 min
 Lab File: VL041800.D
 Acq: 18 Dec 2024 18:50

Tgt Ion:	43	Resp:	30957
Ion	Ratio	Lower	Upper
43	100		
45	17.4	8.1	12.1
61	10.3	7.0	10.6
70	9.6	6.5	9.7

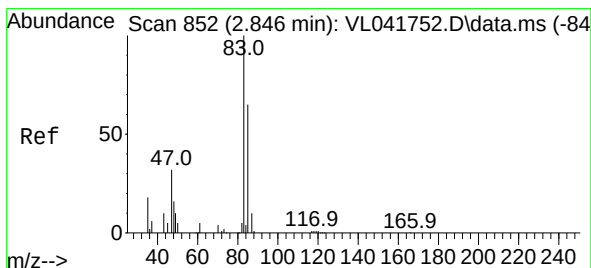
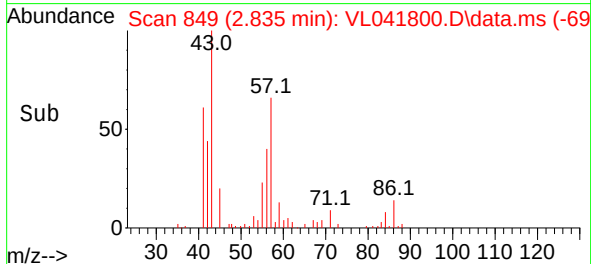
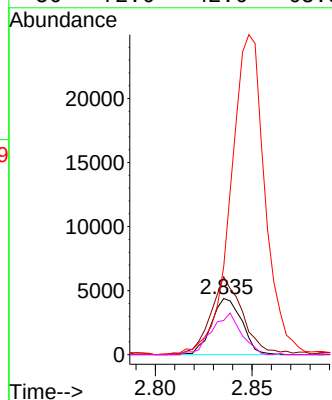
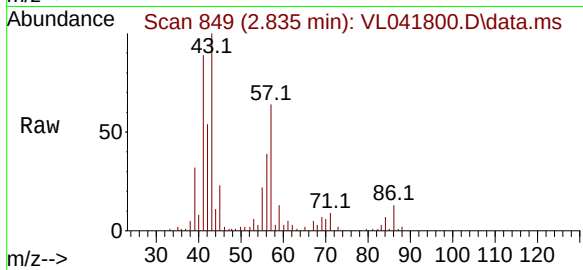




#26
Hexane
Concen: 0.464 ppbv
RT: 2.835 min Scan# 845
Delta R.T. 0.012 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

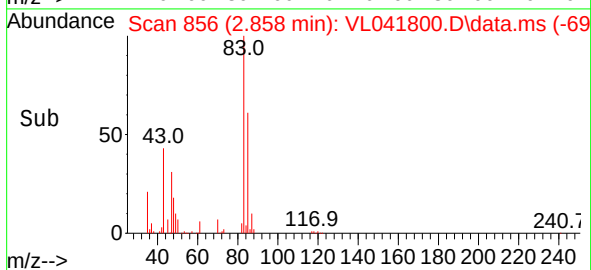
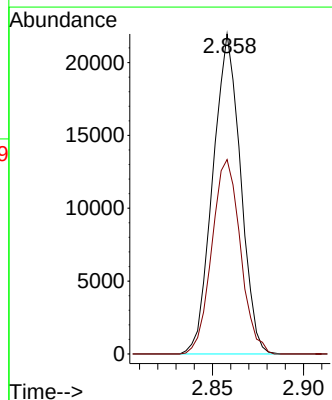
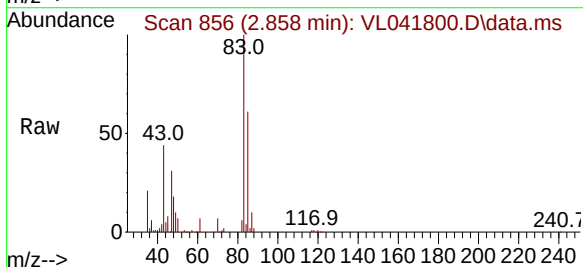
Instrument :
MSVOA_1
ClientSampleId :
C0AC1

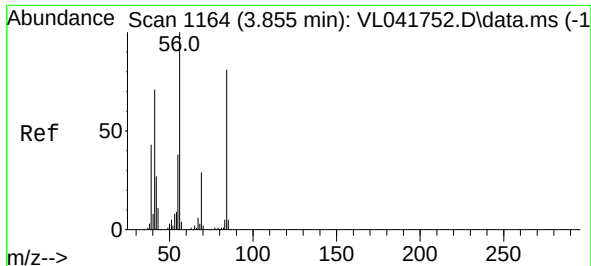
Tgt Ion: 57 Resp: 4807
Ion Ratio Lower Upper
57 100
41 151.2 79.6 119.4#
43 650.5 211.0 316.6#
56 72.6 42.6 63.8#



#29
Chloroform
Concen: 1.469 ppbv
RT: 2.858 min Scan# 856
Delta R.T. 0.012 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

Tgt Ion: 83 Resp: 23212
Ion Ratio Lower Upper
83 100
85 60.8 51.8 77.6





#30

Cyclohexane

Concen: 0.073 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.016 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

C0AC1

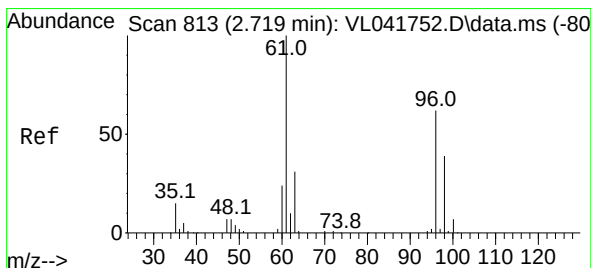
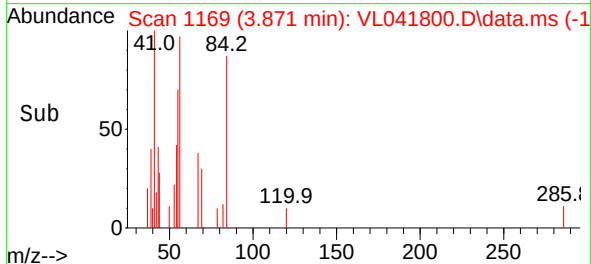
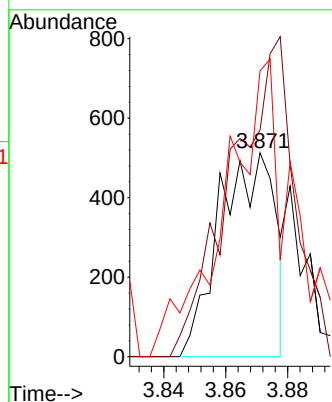
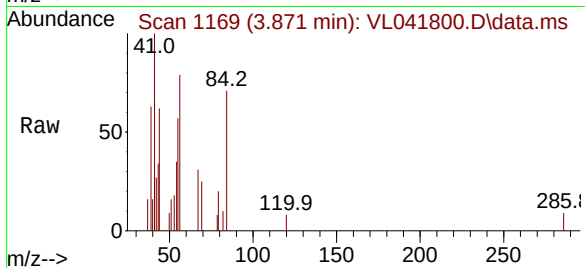
Tgt Ion: 84 Resp: 644

Ion Ratio Lower Upper

84 100

56 0.0 102.3 153.5#

41 0.0 74.0 111.0#



#31

cis-1,2-Dichloroethene

Concen: 0.298 ppbv

RT: 2.848 min Scan# 853

Delta R.T. 0.129 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

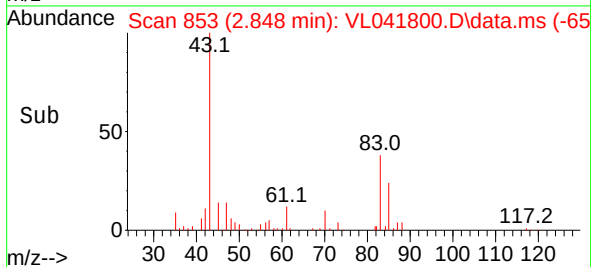
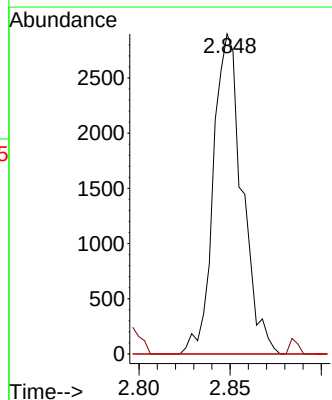
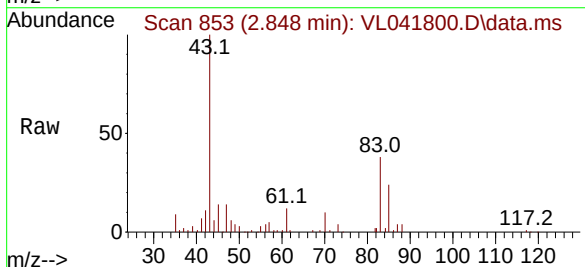
Tgt Ion: 61 Resp: 3196

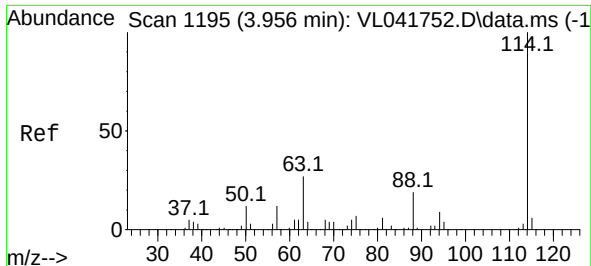
Ion Ratio Lower Upper

61 100

96 0.0 49.7 74.5#

98 0.0 30.8 46.2#

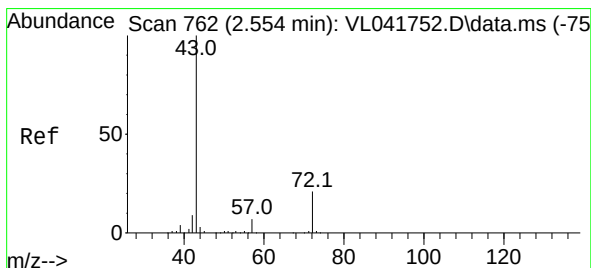
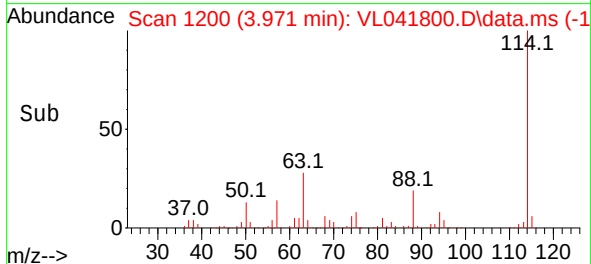
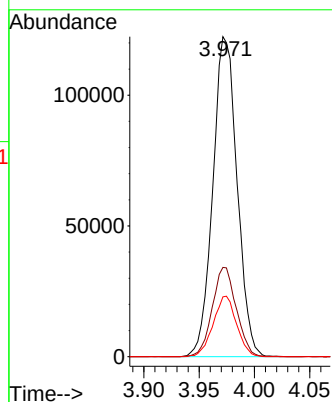
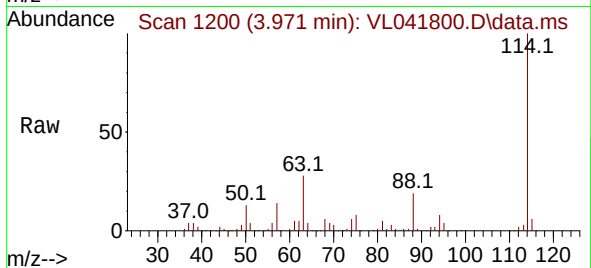




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.971 min Scan# 1195
Delta R.T. 0.016 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

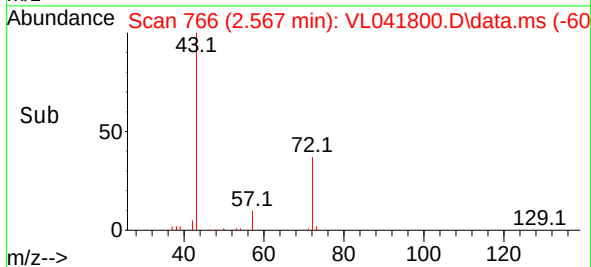
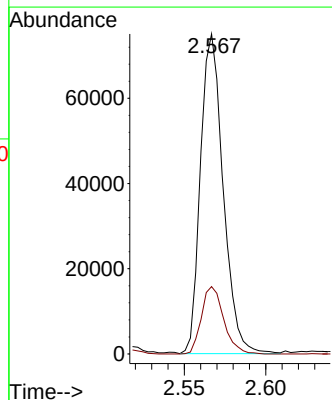
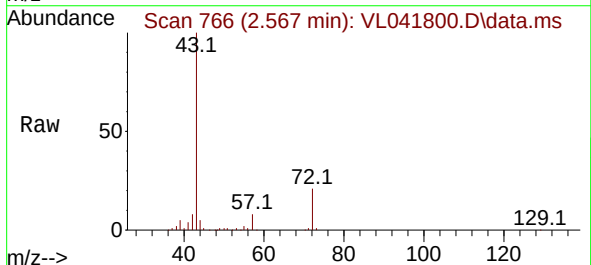
Instrument :
MSVOA_L
ClientSampleId :
C0AC1

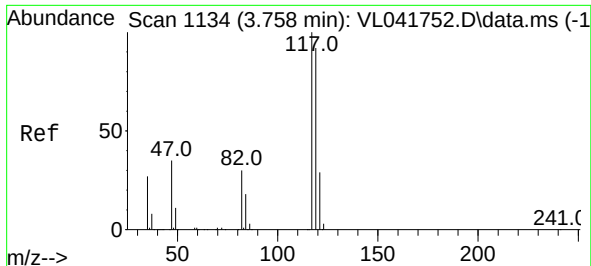
Tgt Ion:114 Resp: 186655
Ion Ratio Lower Upper
114 100
63 27.7 21.8 32.8
88 18.3 14.8 22.2



#34
2-Butanone
Concen: 4.836 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.012 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

Tgt Ion: 43 Resp: 72623
Ion Ratio Lower Upper
43 100
72 20.6 16.8 25.2





#35

Carbon Tetrachloride

Concen: 0.035 ppbv

RT: 3.777 min Scan# 1134

Delta R.T. 0.019 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_1

ClientSampleId :

C0AC1

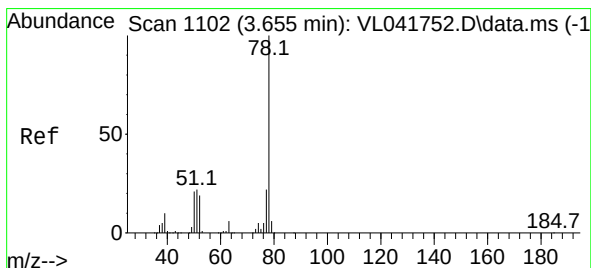
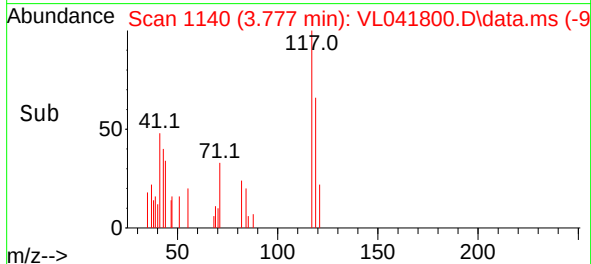
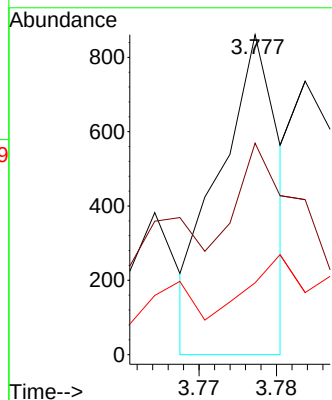
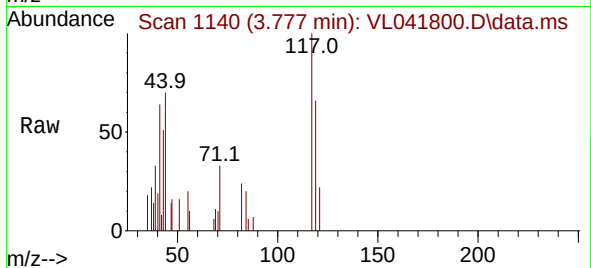
Tgt Ion:117 Resp: 464

Ion Ratio Lower Upper

117 100

119 31.1 73.7 110.5#

121 0.0 23.0 34.4#



#36

Benzene

Concen: 0.800 ppbv

RT: 3.667 min Scan# 1106

Delta R.T. 0.012 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

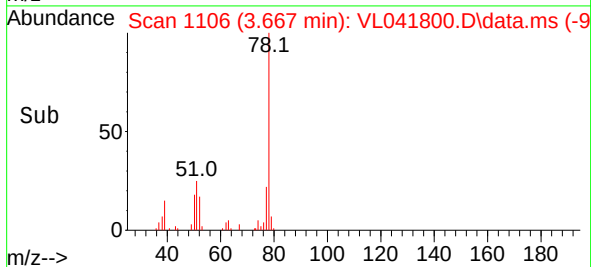
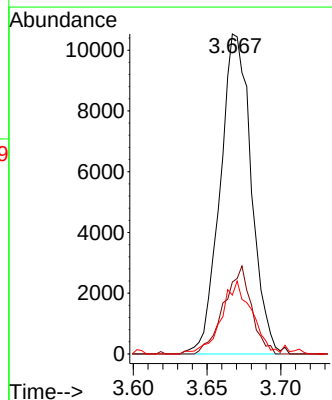
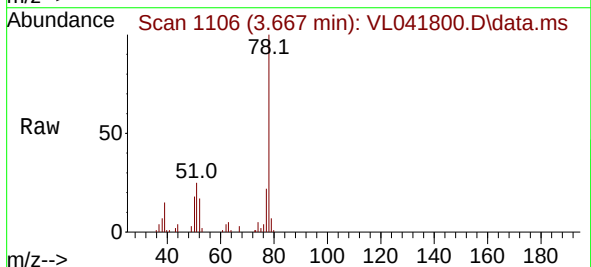
Tgt Ion: 78 Resp: 15442

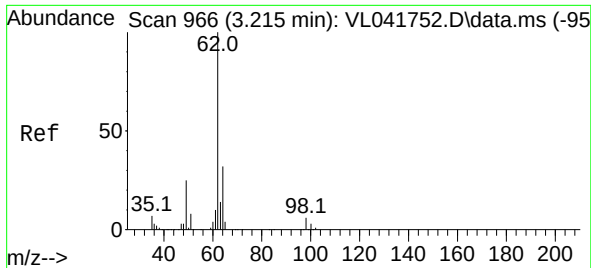
Ion Ratio Lower Upper

78 100

77 22.4 17.8 26.6

50 18.4 17.2 25.8

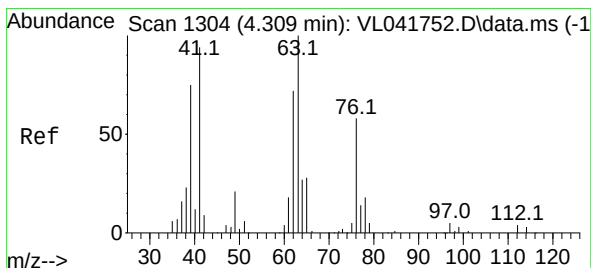
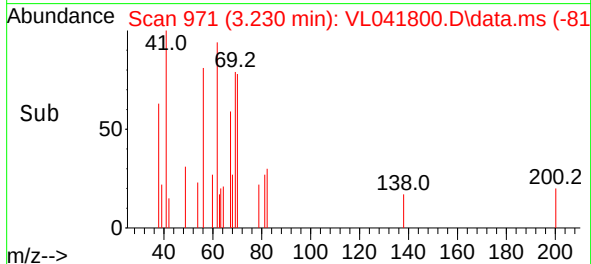
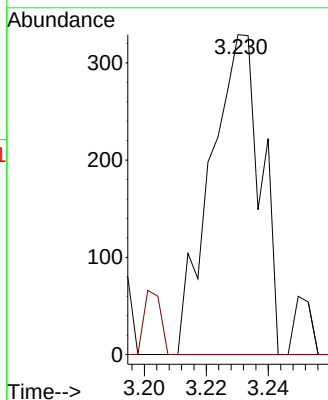
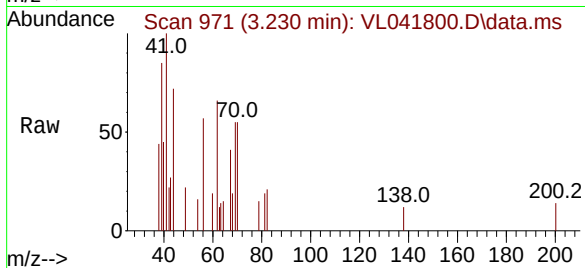




#37
1,2-Dichloroethane
Concen: 0.031 ppbv
RT: 3.230 min Scan# 91
Delta R.T. 0.016 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

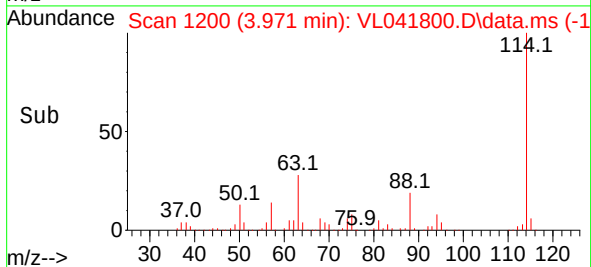
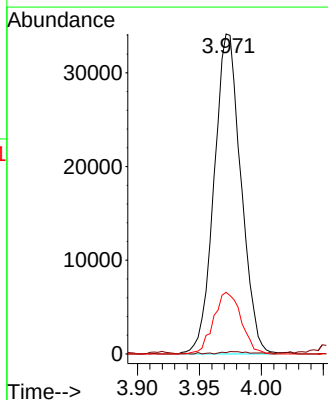
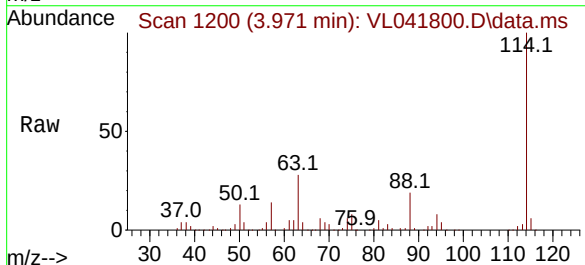
Instrument :
MSVOA_L
ClientSampleId :
C0AC1

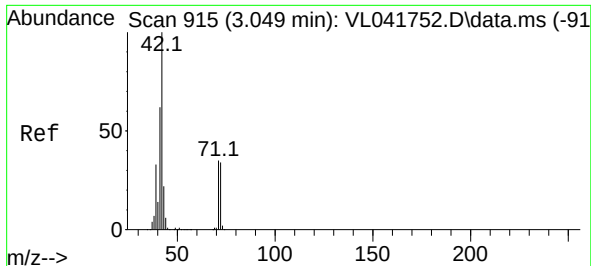
Tgt Ion: 62 Resp: 370
Ion Ratio Lower Upper
62 100
98 6.5 4.7 7.1



#39
1,2-Dichloropropane
Concen: 7.386 ppbv
RT: 3.971 min Scan# 1200
Delta R.T. -0.337 min
Lab File: VL041800.D
Acq: 18 Dec 2024 18:50

Tgt Ion: 63 Resp: 51579
Ion Ratio Lower Upper
63 100
41 0.4 75.3 112.9#
62 19.3 57.3 85.9#





#41

Tetrahydrofuran

Concen: 0.050 ppbv

RT: 3.075 min Scan# 91

Delta R.T. 0.025 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

C0AC1

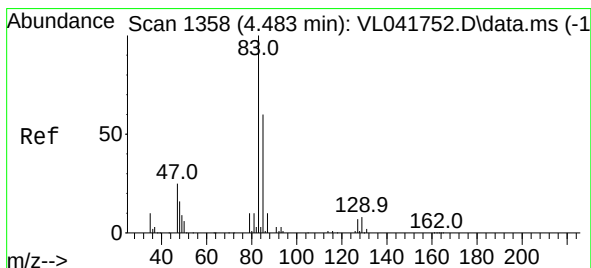
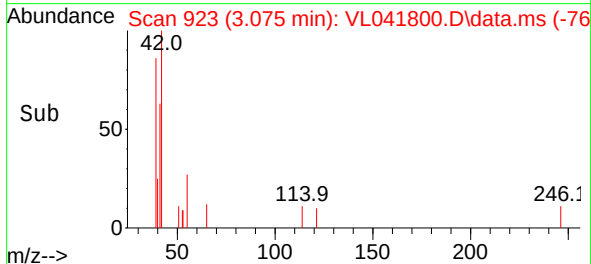
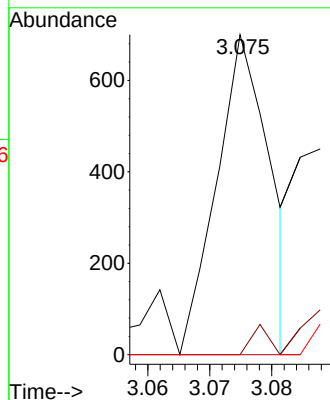
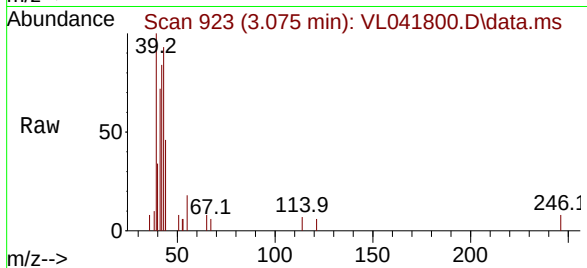
Tgt Ion: 42 Resp: 418

Ion Ratio Lower Upper

42 100

72 0.0 29.1 43.7#

71 0.0 28.4 42.6#



#42

Bromodichloromethane

Concen: 0.146 ppbv

RT: 4.499 min Scan# 1363

Delta R.T. 0.016 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

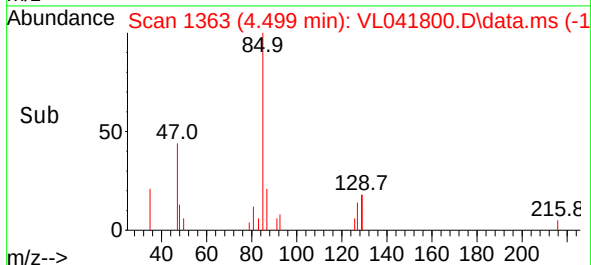
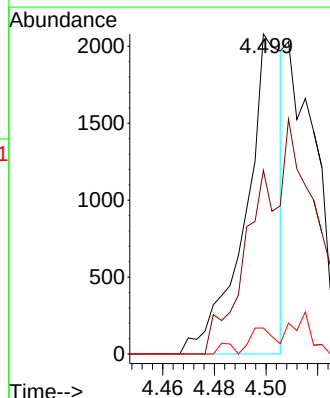
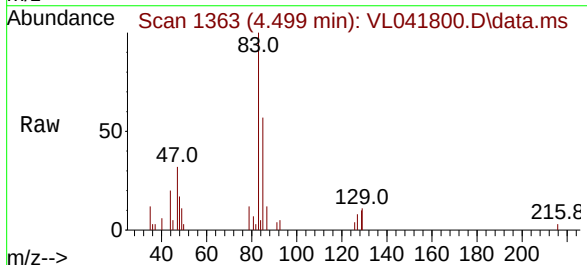
Tgt Ion: 83 Resp: 2015

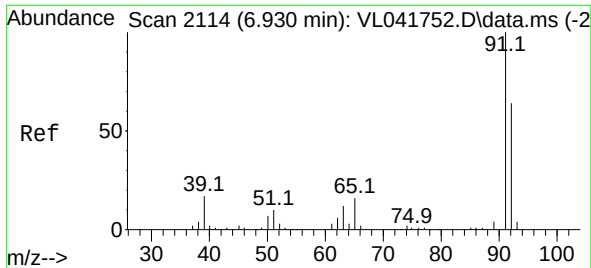
Ion Ratio Lower Upper

83 100

85 57.4 48.0 72.0

127 8.1 5.8 8.8





#53

Toluene

Concen: 1.269 ppbv

RT: 6.949 min Scan# 2114

Delta R.T. 0.019 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

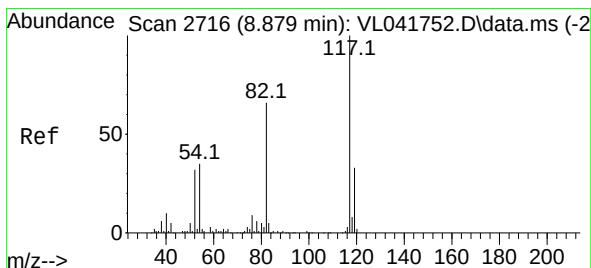
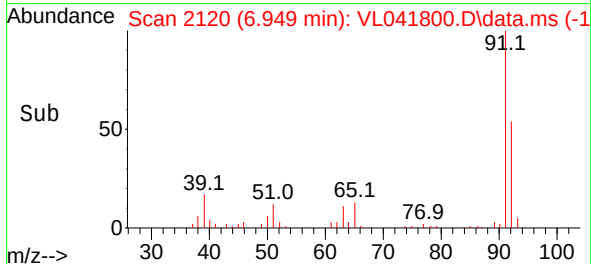
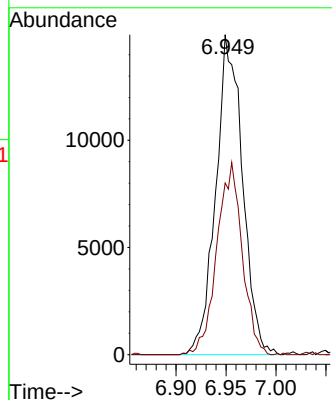
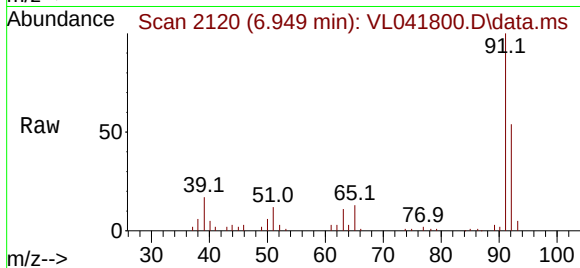
C0AC1

Tgt Ion: 91 Resp: 27768

Ion Ratio Lower Upper

91 100

92 57.1 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.894 min Scan# 2721

Delta R.T. 0.016 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

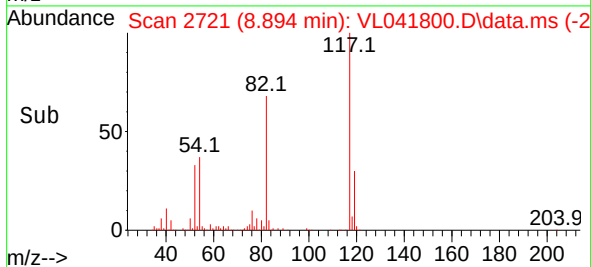
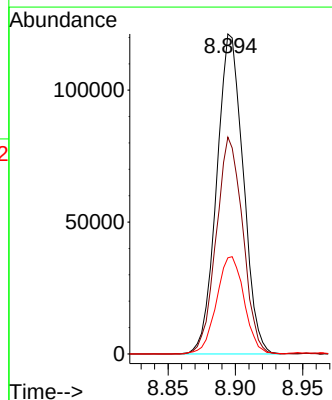
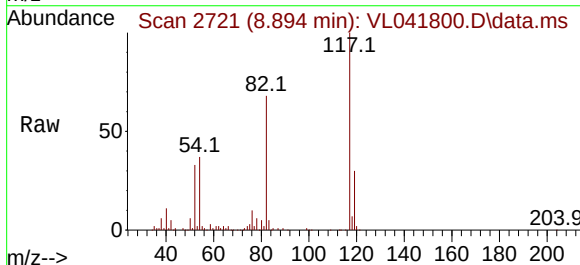
Tgt Ion: 117 Resp: 166096

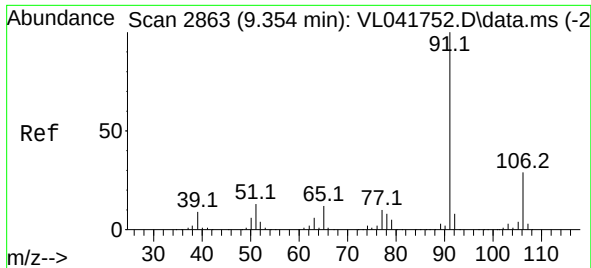
Ion Ratio Lower Upper

117 100

82 67.9 53.8 80.8

119 31.7 26.7 40.1





#58

Ethyl Benzene

Concen: 0.123 ppbv

RT: 9.373 min Scan# 21

Delta R.T. 0.019 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_1

ClientSampleId :

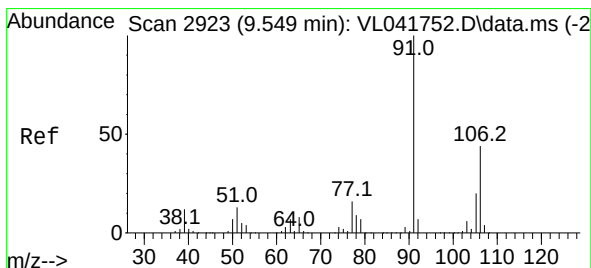
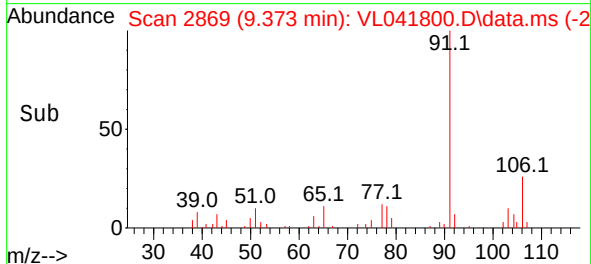
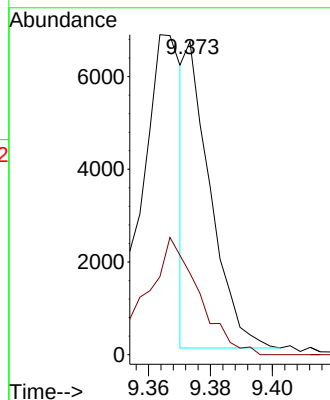
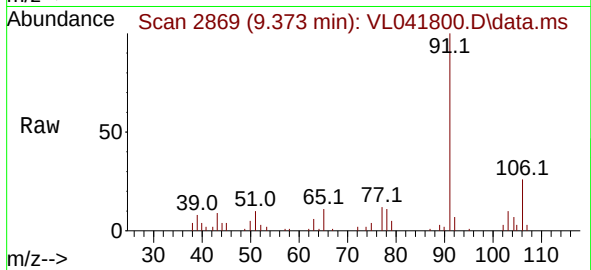
C0AC1

Tgt Ion: 91 Resp: 3690

Ion Ratio Lower Upper

91 100

106 26.6 23.5 35.3



#59

m/p-Xylene

Concen: 1.645 ppbv

RT: 9.545 min Scan# 2922

Delta R.T. -0.004 min

Lab File: VL041800.D

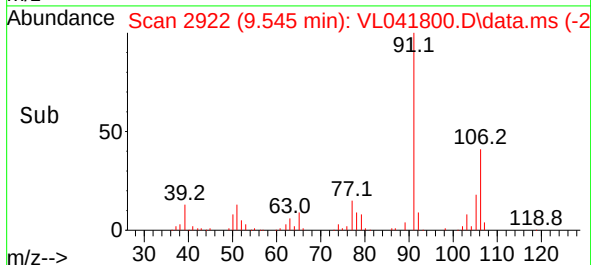
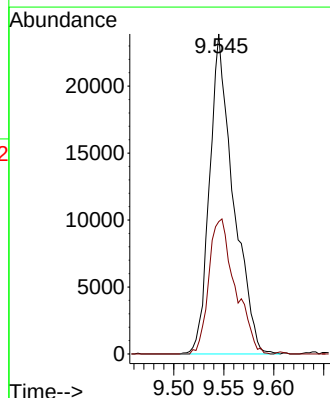
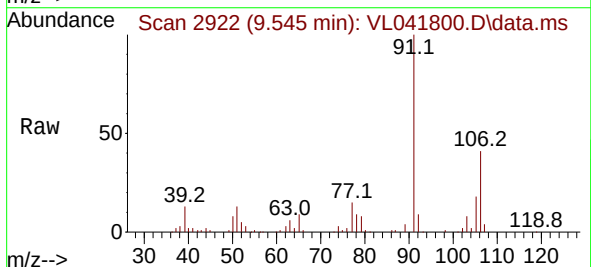
Acq: 18 Dec 2024 18:50

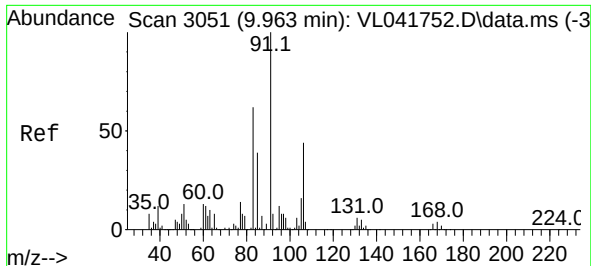
Tgt Ion: 91 Resp: 39541

Ion Ratio Lower Upper

91 100

106 46.9 0.0 0.0#





#60

o-Xylene

Concen: 0.634 ppbv

RT: 9.975 min Scan# 3051

Delta R.T. 0.012 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_1

ClientSampleId :

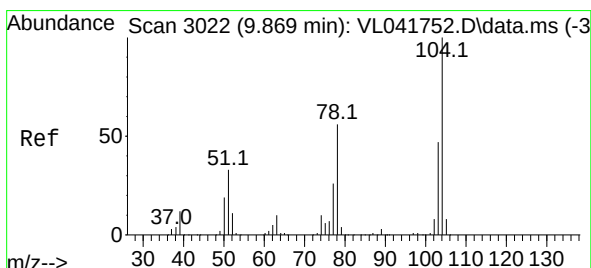
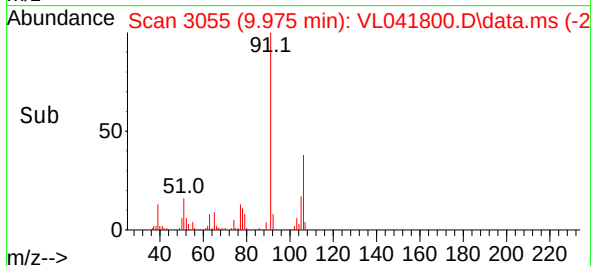
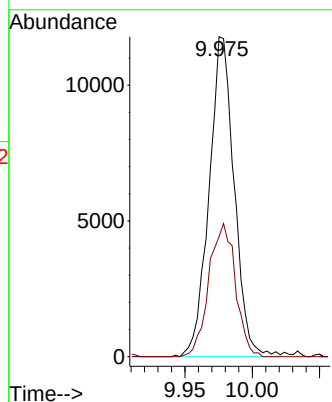
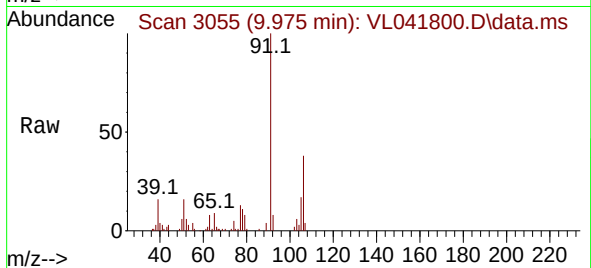
C0AC1

Tgt Ion: 91 Resp: 15281

Ion Ratio Lower Upper

91 100

106 44.0 21.1 63.4



#61

Styrene

Concen: 0.435 ppbv

RT: 9.885 min Scan# 3027

Delta R.T. 0.016 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

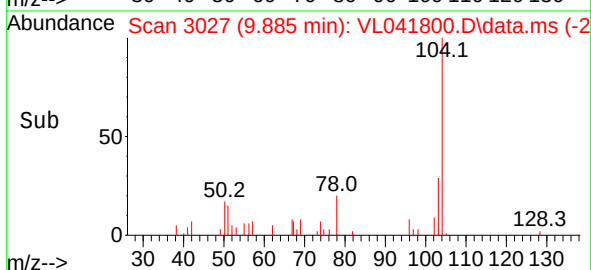
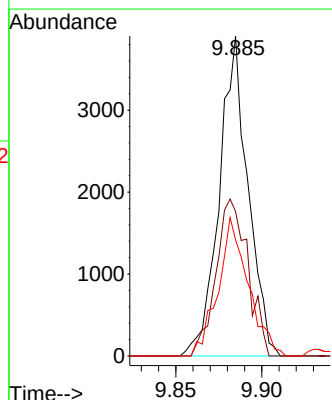
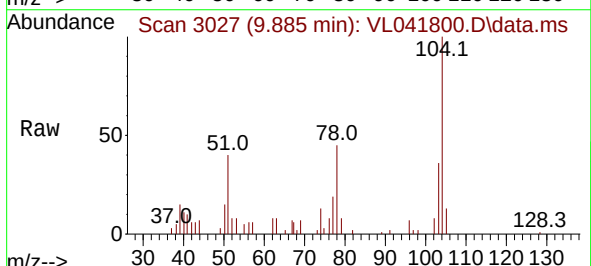
Tgt Ion: 104 Resp: 4539

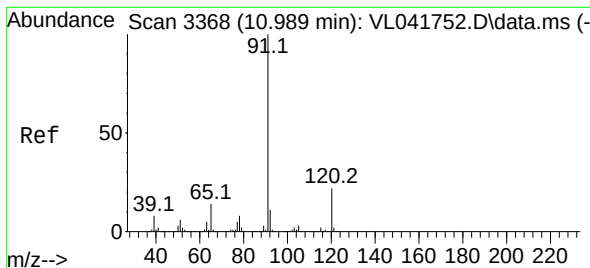
Ion Ratio Lower Upper

104 100

78 54.2 43.8 65.6

103 45.3 37.8 56.6





#64

n-propylbenzene

Concen: 0.139 ppbv

RT: 11.005 min Scan# 341

Delta R.T. 0.016 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

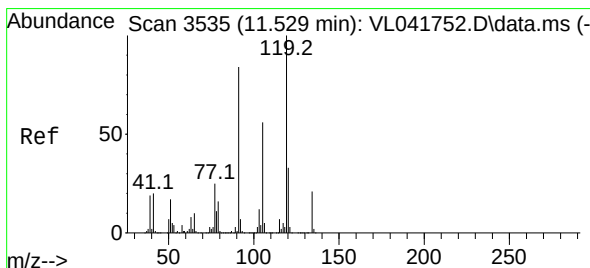
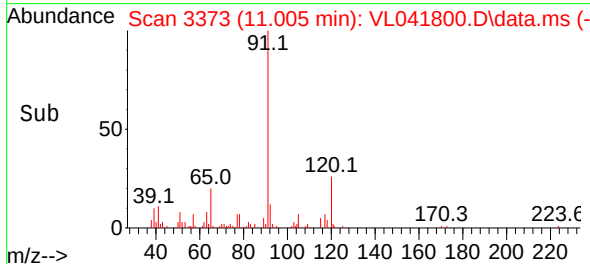
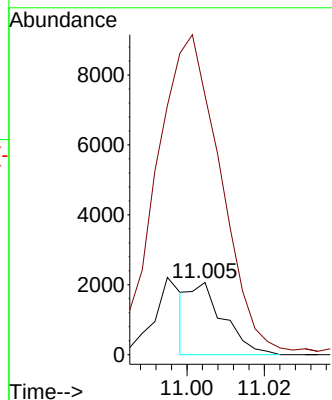
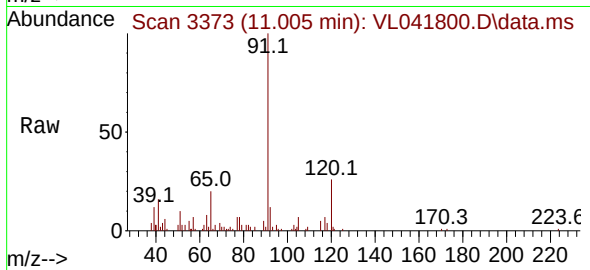
C0AC1

Tgt Ion:120 Resp: 1276

Ion Ratio Lower Upper

120 100

91 861.8 387.3 580.9#



#65

tert-Butylbenzene

Concen: 0.259 ppbv

RT: 11.548 min Scan# 3541

Delta R.T. 0.019 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

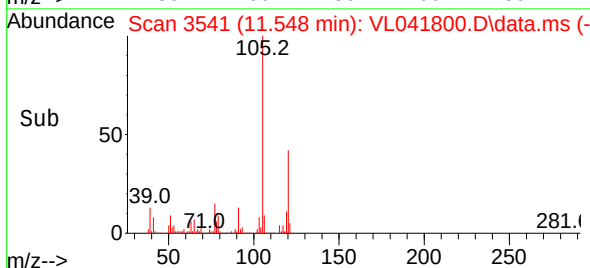
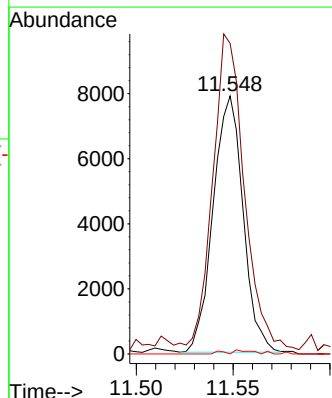
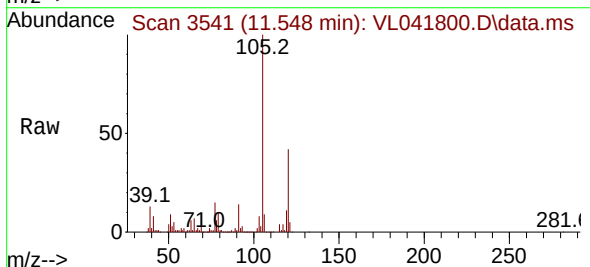
Tgt Ion:119 Resp: 8469

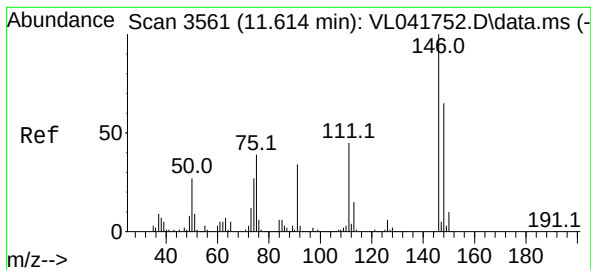
Ion Ratio Lower Upper

119 100

91 137.3 67.0 100.4#

134 1.4 16.5 24.7#





#66

Benzyl Chloride

Concen: 3.795 ppbv

RT: 11.545 min Scan# 3561

Delta R.T. -0.068 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

C0AC1

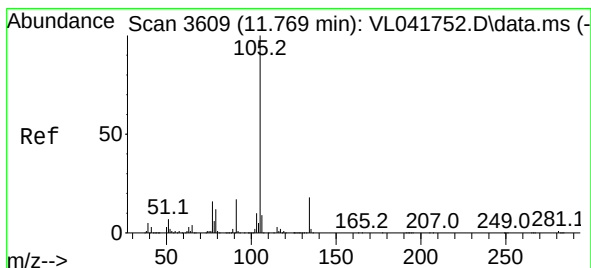
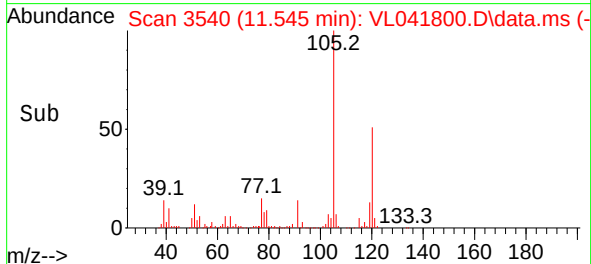
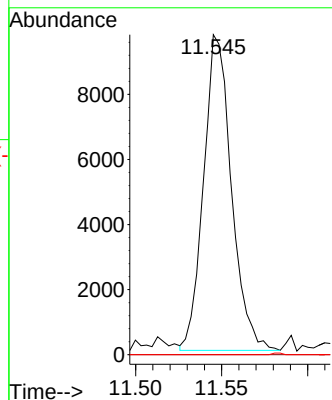
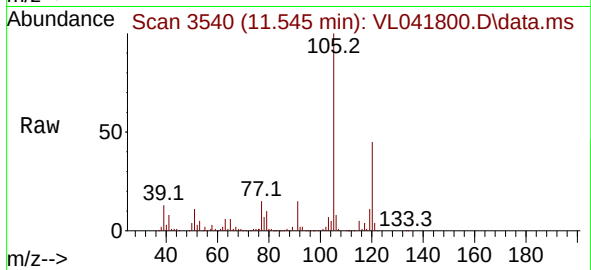
Tgt Ion: 91 Resp: 10925

Ion Ratio Lower Upper

91 100

126 0.7 13.9 20.9#

128 0.2 4.4 6.6#



#67

sec-Butylbenzene

Concen: 0.216 ppbv

RT: 11.891 min Scan# 3647

Delta R.T. 0.123 min

Lab File: VL041800.D

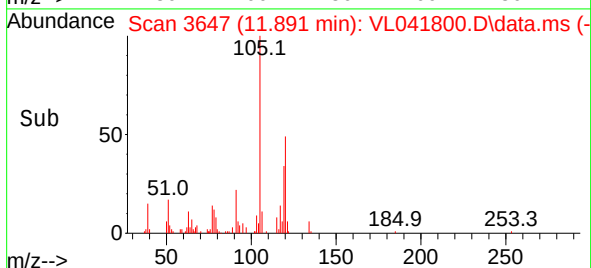
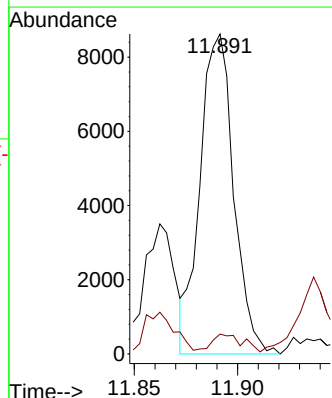
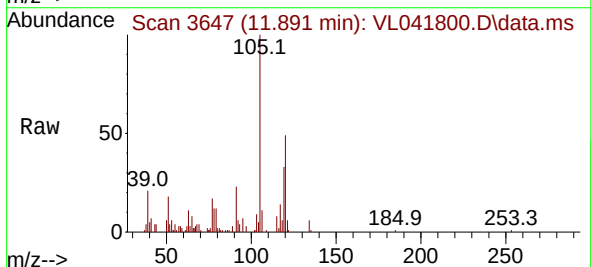
Acq: 18 Dec 2024 18:50

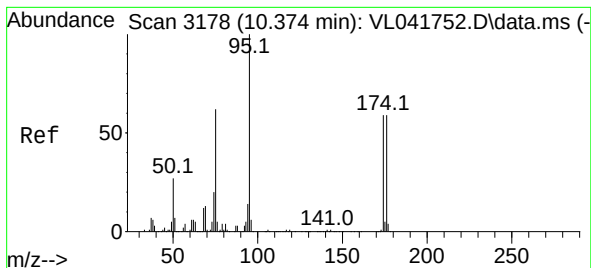
Tgt Ion: 105 Resp: 9751

Ion Ratio Lower Upper

105 100

134 21.5 14.5 21.7





#68

1-Bromo-4-Fluorobenzene

Concen: 10.870 ppbv

RT: 10.390 min Scan# 3178

Delta R.T. 0.016 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

C0AC1

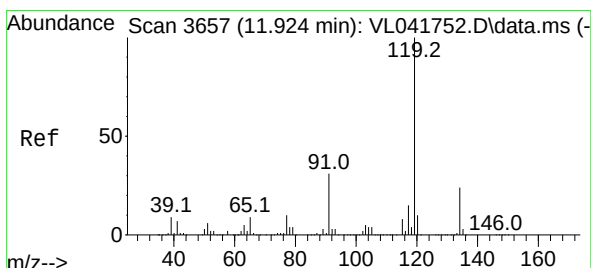
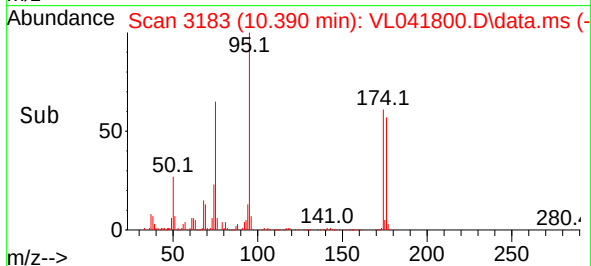
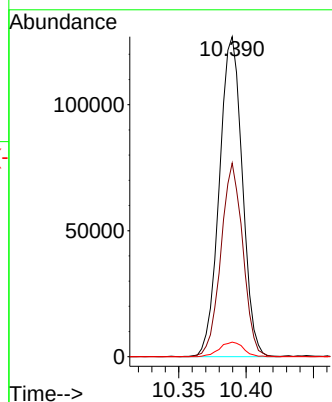
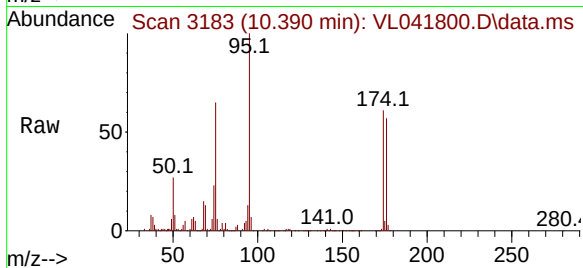
Tgt Ion: 95 Resp: 150452

Ion Ratio Lower Upper

95 100

174 58.0 47.6 71.4

175 4.8 3.7 5.5



#69

p-Isopropyltoluene

Concen: 0.182 ppbv

RT: 11.937 min Scan# 3661

Delta R.T. 0.012 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

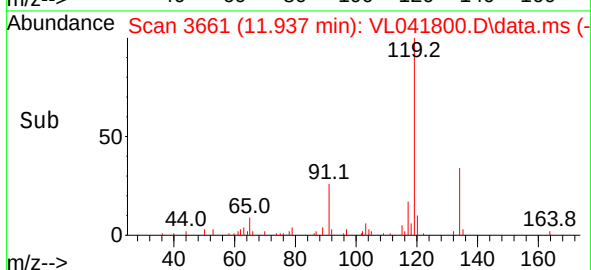
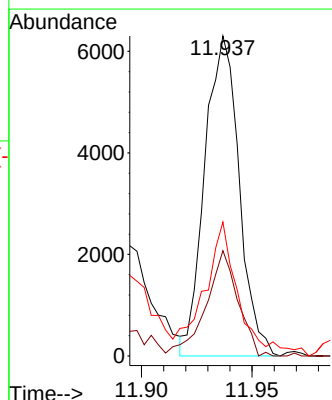
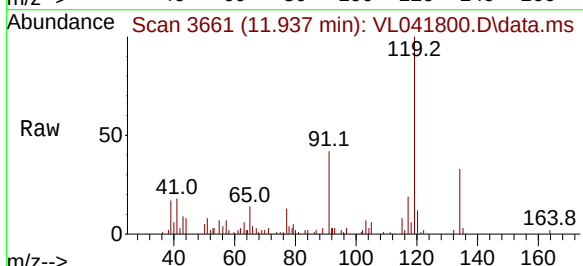
Tgt Ion: 119 Resp: 6800

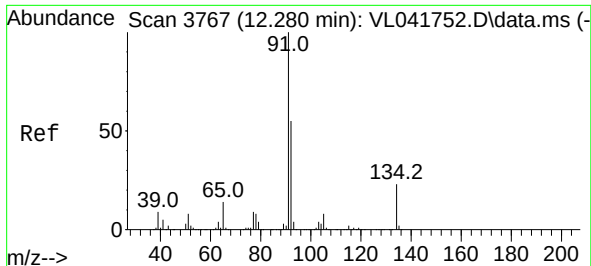
Ion Ratio Lower Upper

119 100

134 30.8 19.6 29.4#

91 39.3 24.4 36.6#





#70

n-Butylbenzene

Concen: 0.120 ppbv

RT: 12.358 min Scan# 31

Delta R.T. 0.077 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

C0AC1

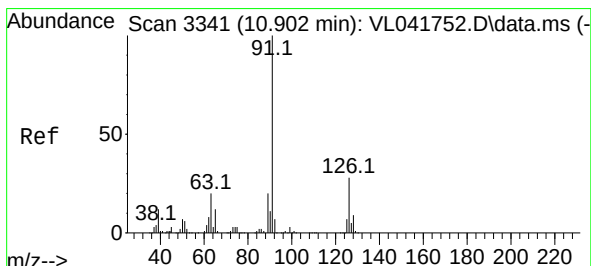
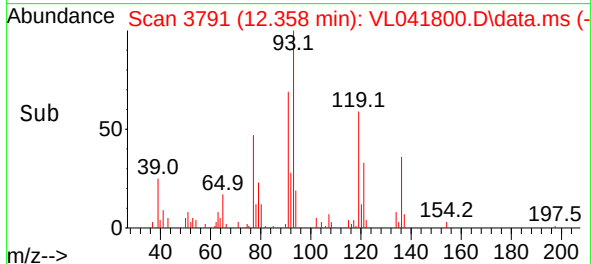
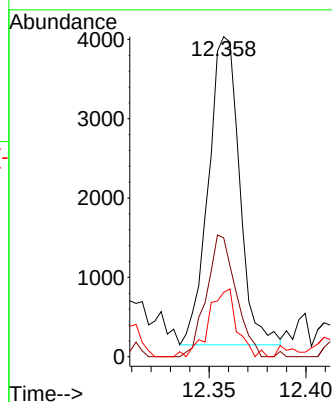
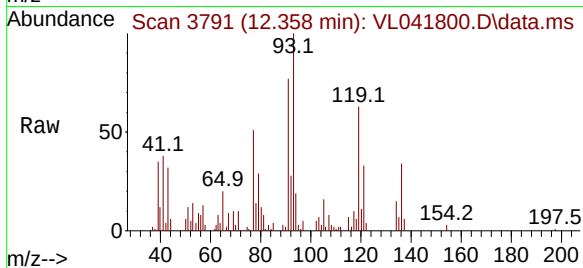
Tgt Ion: 91 Resp: 4337

Ion Ratio Lower Upper

91 100

92 37.5 43.2 64.8#

134 19.9 18.2 27.4



#71

2-Chlorotoluene

Concen: 0.926 ppbv

RT: 10.869 min Scan# 3331

Delta R.T. -0.033 min

Lab File: VL041800.D

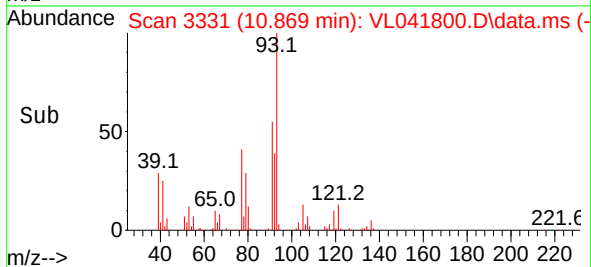
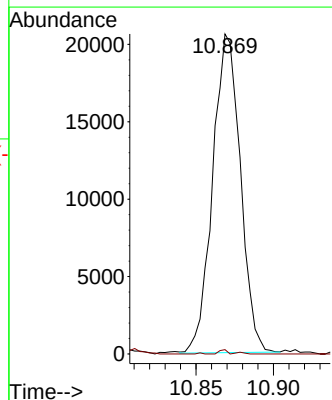
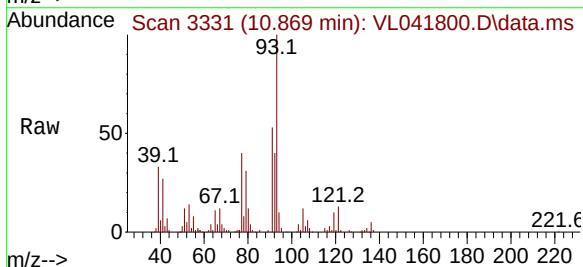
Acq: 18 Dec 2024 18:50

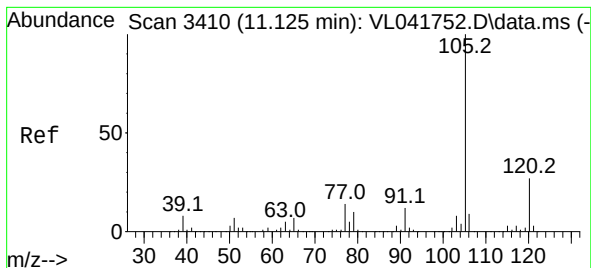
Tgt Ion: 91 Resp: 25613

Ion Ratio Lower Upper

91 100

126 0.6 11.6 46.4#





#72

4-Ethyltoluene

Concen: 0.534 ppbv

RT: 11.137 min Scan# 3410

Delta R.T. 0.012 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_L

ClientSampleId :

C0AC1

Tgt Ion:105 Resp: 15210

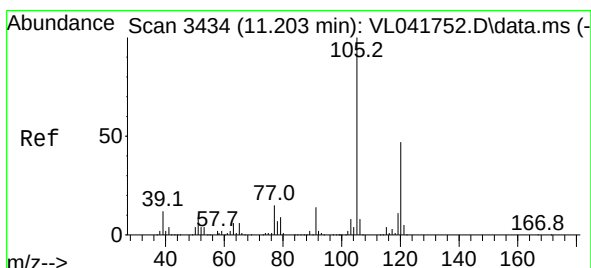
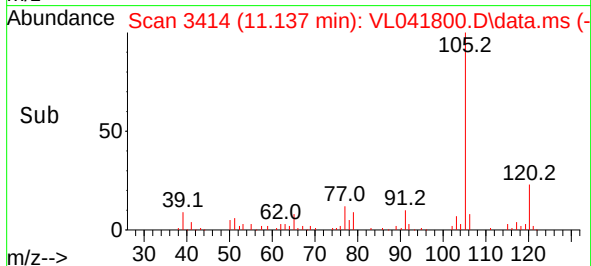
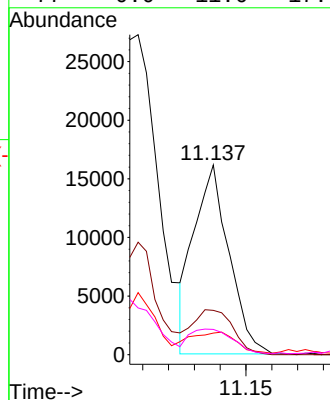
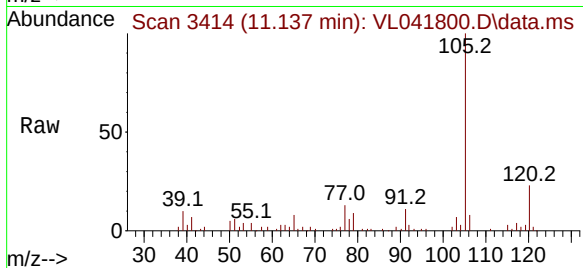
Ion Ratio Lower Upper

105 100

120 0.0 23.3 34.9#

91 0.0 10.9 16.3#

77 0.0 11.6 17.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.673 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. 0.012 min

Lab File: VL041800.D

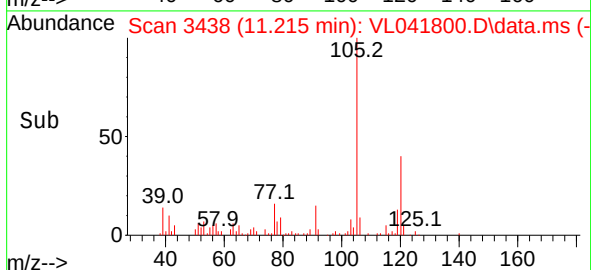
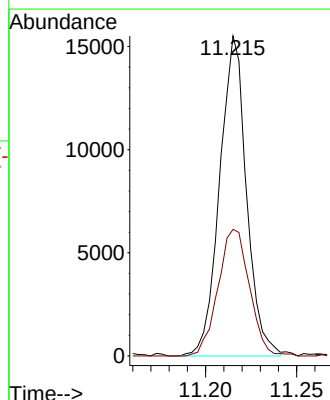
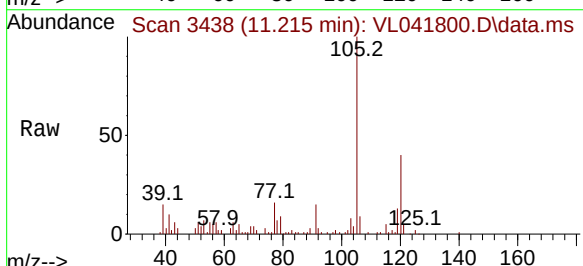
Acq: 18 Dec 2024 18:50

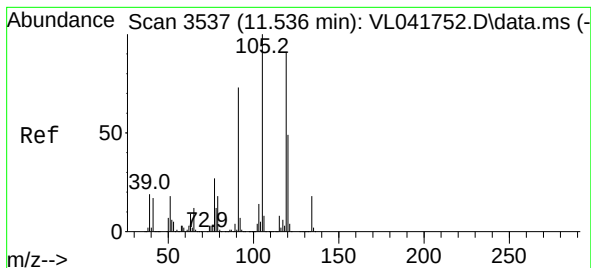
Tgt Ion:105 Resp: 15880

Ion Ratio Lower Upper

105 100

120 39.6 37.4 56.2





#74

1,2,4-Trimethylbenzene

Concen: 2.896 ppbv

RT: 11.548 min Scan# 3537

Delta R.T. 0.012 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Instrument :

MSVOA_1

ClientSampleId :

C0AC1

Tgt Ion:105 Resp: 73547

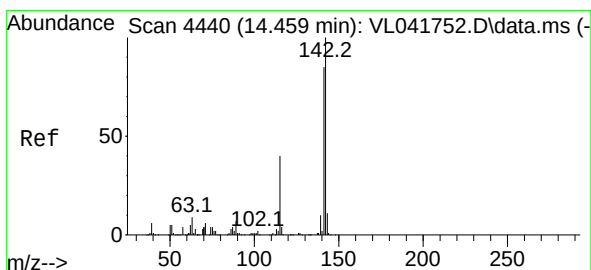
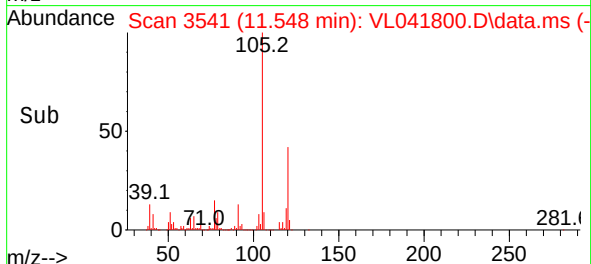
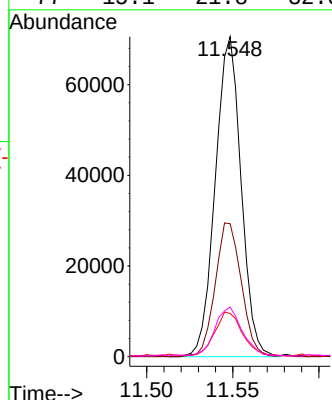
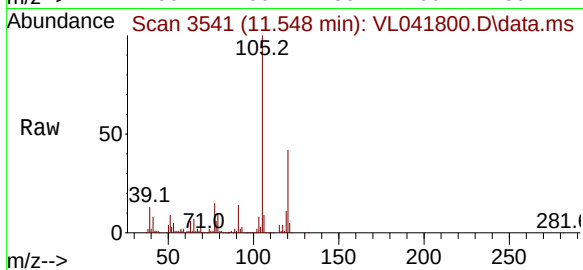
Ion Ratio Lower Upper

105 100

120 41.5 39.0 58.4

91 13.2 58.1 87.1#

77 15.1 21.8 32.8#



#80

Naphthalene,2-methyl-

Concen: 0.118 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. 0.012 min

Lab File: VL041800.D

Acq: 18 Dec 2024 18:50

Tgt Ion:142 Resp: 645

Ion Ratio Lower Upper

142 100

141 94.1 68.4 102.6

115 81.9 32.5 48.7#

