

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041810.D
 Acq On : 19 Dec 2024 00:11
 Operator : SY/MD
 Sample : P5293-03DL 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC1DL

Quant Time: Dec 19 08:01:58 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	2.794	49	74135	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	177633	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.891	117	156162	10.000	ppbv	0.01

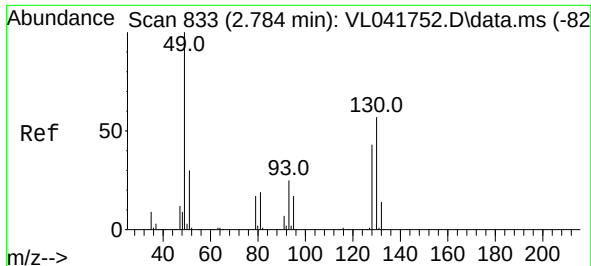
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	138713	10.659	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	2899	0.220	ppbv	94
3) Chlorodifluoromethane	1.492	51	6608	0.547	ppbv #	70
4) Chloromethane	1.534	50	4999	0.969	ppbv	93
9) Propene	1.486	41	14442	2.756	ppbv	96
11) Trichlorofluoromethane	1.881	101	1359	0.097	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.146	101	349	0.033	ppbv	89
13) Ethanol	1.725	45	1157777	2668.289	ppbv	96
15) Acetone	1.839	43	149341	10.353	ppbv	98
16) 1,3-Butadiene	1.606	39	6313	1.111	ppbv #	63
17) tert-Butyl alcohol	2.046	59	7260	0.507	ppbv #	94
19) Isopropyl Alcohol	1.891	45	20001	2.311	ppbv #	1
20) Methylene Chloride	2.065	84	3482	0.847	ppbv	91
21) Allyl Chloride	2.081	41	847	0.108	ppbv #	1
23) Vinyl Acetate	2.457	43	8527	1.273	ppbv #	93
25) Ethyl Acetate	2.845	43	13015	0.485	ppbv #	87
26) Hexane	2.836	57	2019	0.198	ppbv #	1
28) Methyl tert-Butyl Ether	2.564	73	279	0.034	ppbv #	1
29) Chloroform	2.855	83	10038	0.647	ppbv	94
31) cis-1,2-Dichloroethene	2.842	61	857	0.081	ppbv #	26
34) 2-Butanone	2.564	43	29410	2.058	ppbv	98
36) Benzene	3.667	78	6389	0.348	ppbv	97
39) 1,2-Dichloropropane	3.968	63	50271	7.565	ppbv #	19
42) Bromodichloromethane	4.502	83	1698	0.129	ppbv #	55
53) Toluene	6.946	91	9756	0.468	ppbv	97
58) Ethyl Benzene	9.364	91	3369	0.120	ppbv #	74
59) m/p-Xylene	9.545	91	13654	0.604	ppbv #	100
60) o-Xylene	9.972	91	5359	0.236	ppbv	99
61) Styrene	9.888	104	560	0.057	ppbv #	1
64) n-propylbenzene	10.992	120	781	0.091	ppbv	88
65) tert-Butylbenzene	11.545	119	2994	0.097	ppbv #	50
66) Benzyl Chloride	11.545	91	3520	1.300	ppbv #	67
67) sec-Butylbenzene	11.885	105	3447	0.081	ppbv	94
69) p-Isopropyltoluene	11.934	119	2418	0.069	ppbv #	88
70) n-Butylbenzene	12.355	91	1159	0.034	ppbv #	84
71) 2-Chlorotoluene	10.869	91	9088	0.350	ppbv #	48
72) 4-Ethyltoluene	11.134	105	4673	0.175	ppbv #	63
73) 1,3,5-Trimethylbenzene	11.212	105	4667	0.210	ppbv	93
74) 1,2,4-Trimethylbenzene	11.545	105	22943	0.961	ppbv #	56
80) Naphthalene,2-methyl-	14.465	142	174	0.034	ppbv	90

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

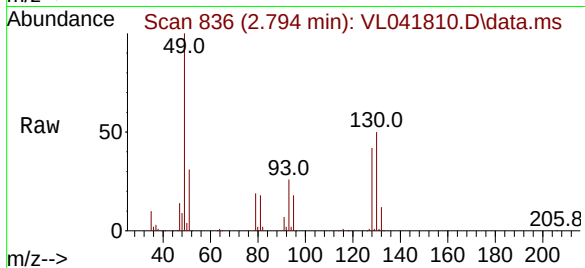
Quant Time: Dec 19 08:01:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration



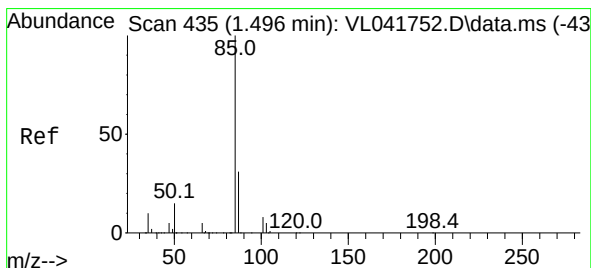
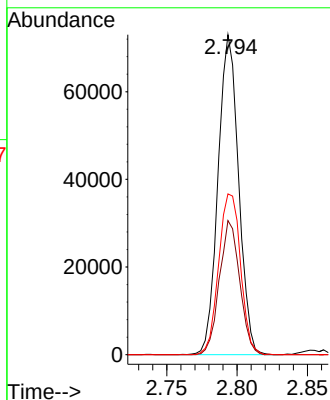
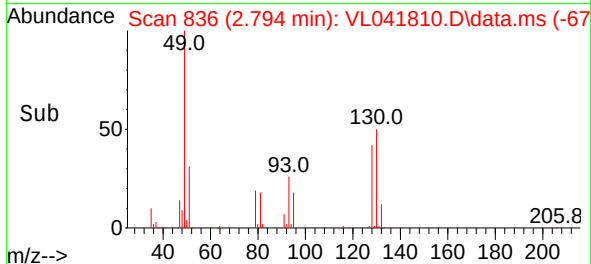


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 836
Delta R.T. 0.010 min
Lab File: VL041810.D
Acq: 19 Dec 2024 00:11

Instrument :
MSVOA_L
ClientSampleId :
C0AC1DL

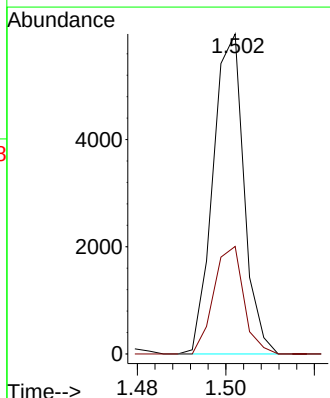
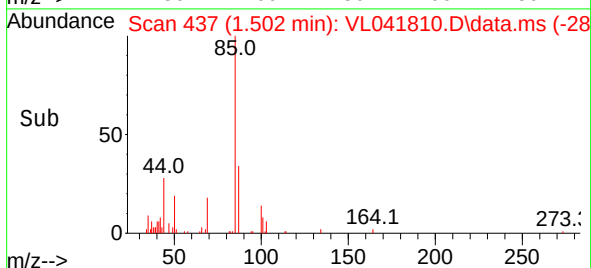
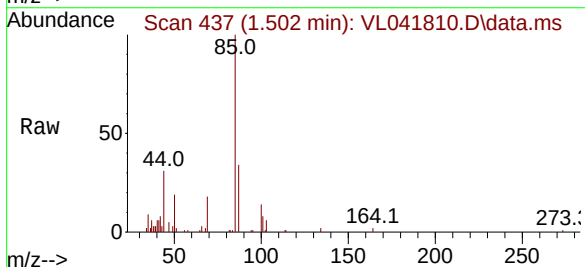


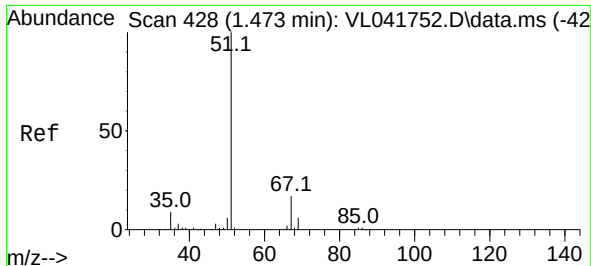
Tgt Ion: 49 Resp: 74135
Ion Ratio Lower Upper
49 100
128 41.4 21.6 64.6
130 53.5 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 0.220 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041810.D
Acq: 19 Dec 2024 00:11

Tgt Ion: 85 Resp: 2899
Ion Ratio Lower Upper
85 100
87 33.6 24.5 36.7

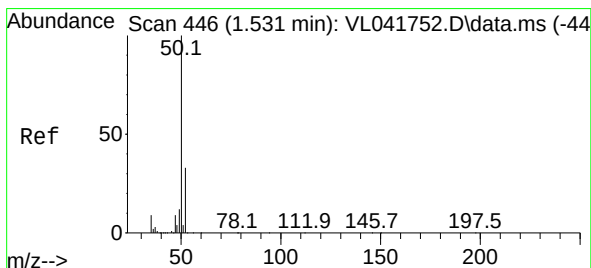
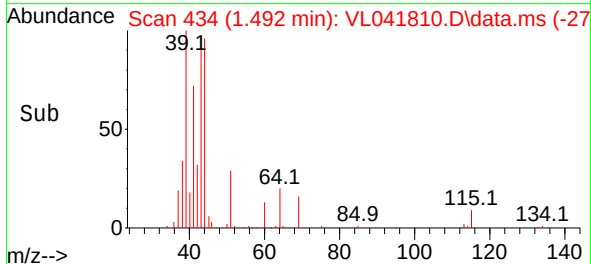
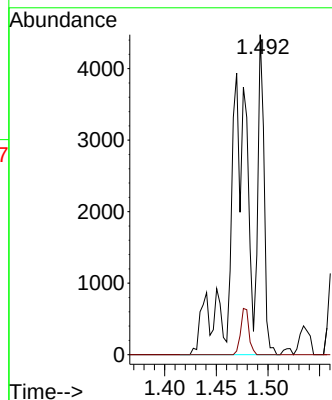
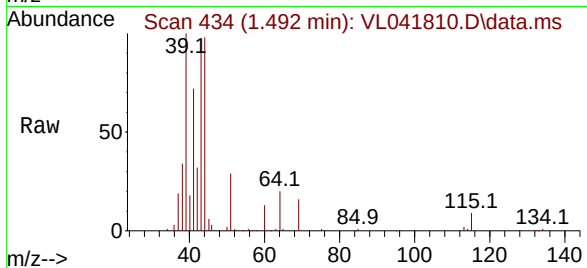




#3
Chlorodifluoromethane
Concen: 0.547 ppbv
RT: 1.492 min Scan# 441
Delta R.T. 0.019 min
Lab File: VL041810.D
Acq: 19 Dec 2024 00:11

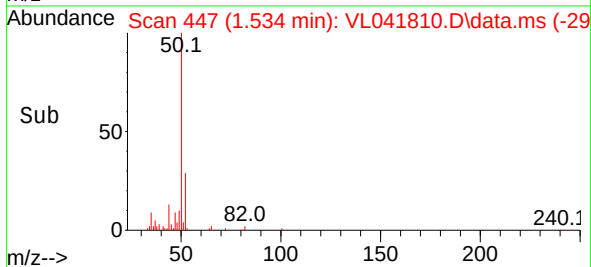
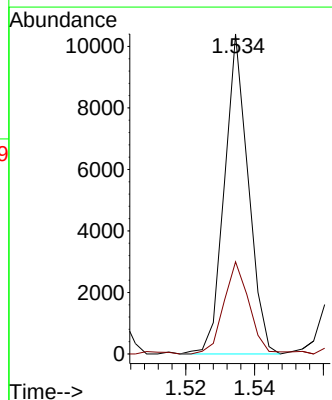
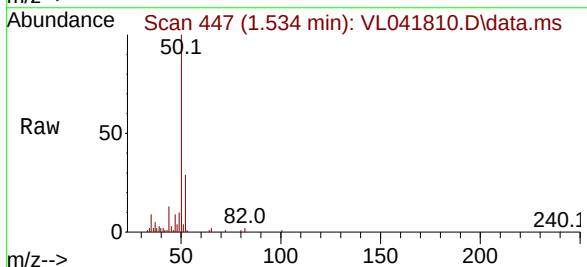
Instrument :
MSVOA_1
ClientSampleId :
C0AC1DL

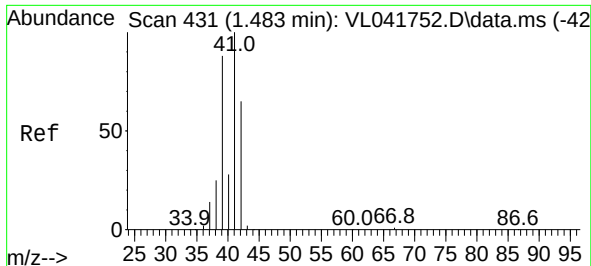
Tgt Ion: 51 Resp: 6608
Ion Ratio Lower Upper
51 100
67 5.4 15.0 22.4#



#4
Chloromethane
Concen: 0.969 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041810.D
Acq: 19 Dec 2024 00:11

Tgt Ion: 50 Resp: 4999
Ion Ratio Lower Upper
50 100
52 28.8 26.2 39.2





#9

Propene

Concen: 2.756 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_L

ClientSampleId :

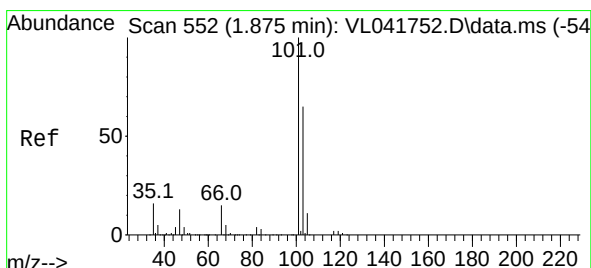
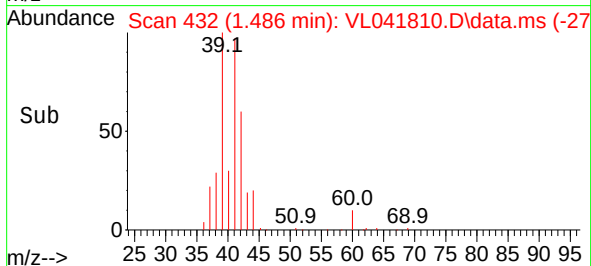
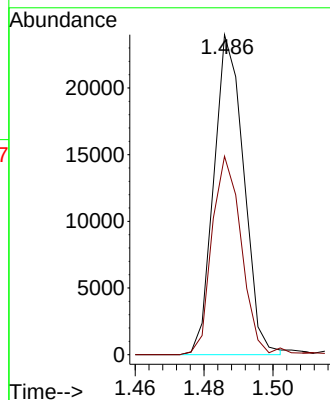
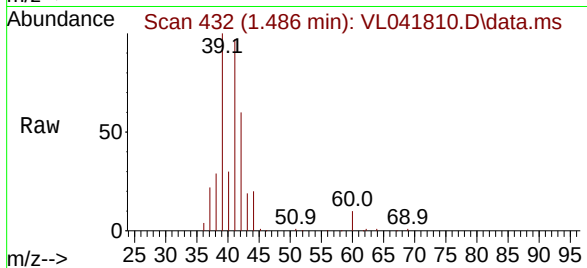
C0AC1DL

Tgt Ion: 41 Resp: 14442

Ion Ratio Lower Upper

41 100

42 62.6 52.4 78.6



#11

Trichlorofluoromethane

Concen: 0.097 ppbv

RT: 1.881 min Scan# 554

Delta R.T. 0.006 min

Lab File: VL041810.D

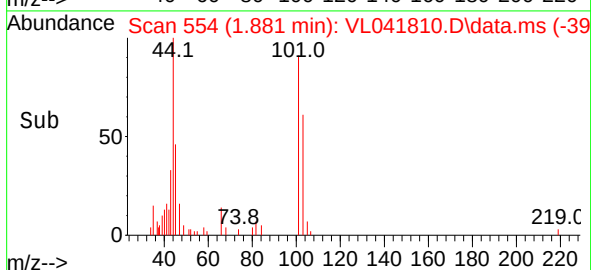
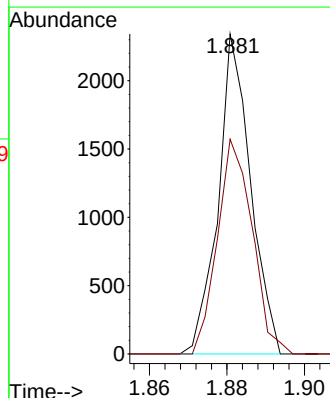
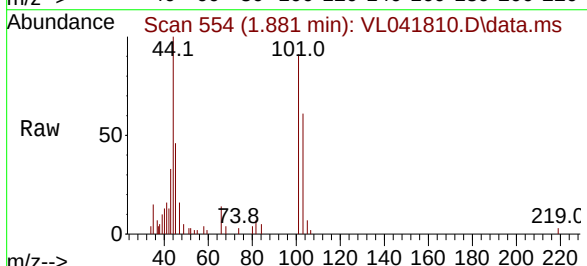
Acq: 19 Dec 2024 00:11

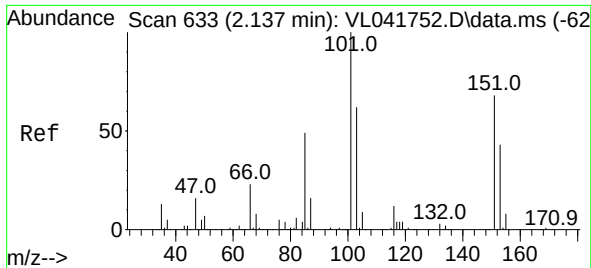
Tgt Ion:101 Resp: 1359

Ion Ratio Lower Upper

101 100

103 67.1 51.8 77.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.033 ppbv

RT: 2.146 min Scan# 61

Delta R.T. 0.009 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_1

ClientSampleId :

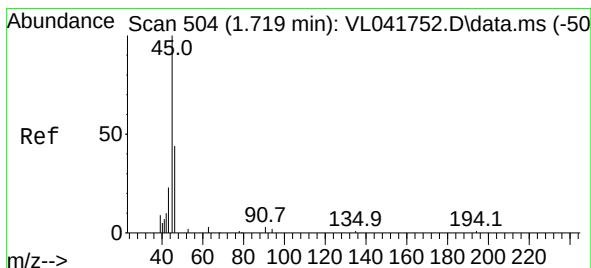
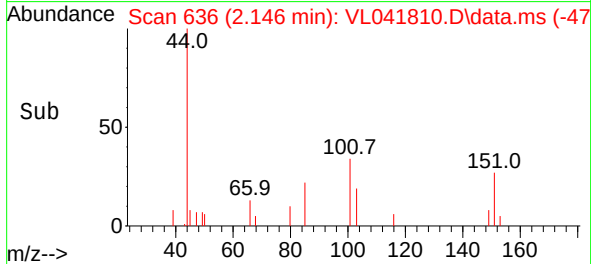
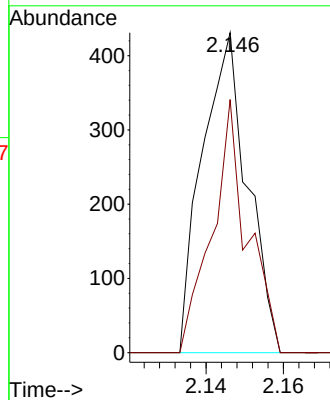
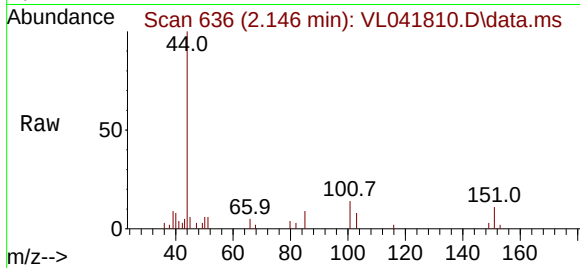
C0AC1DL

Tgt Ion:101 Resp: 349

Ion Ratio Lower Upper

101 100

151 61.6 56.8 85.2



#13

Ethanol

Concen: 2668.289 ppbv

RT: 1.725 min Scan# 506

Delta R.T. 0.006 min

Lab File: VL041810.D

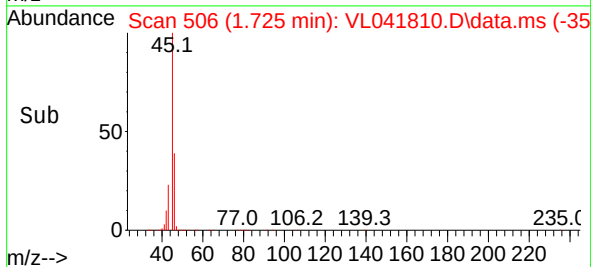
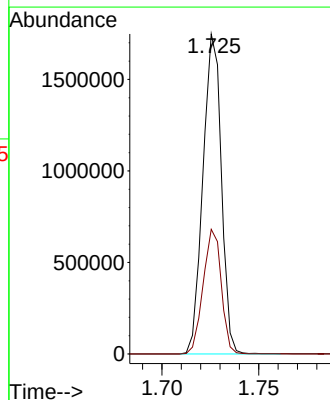
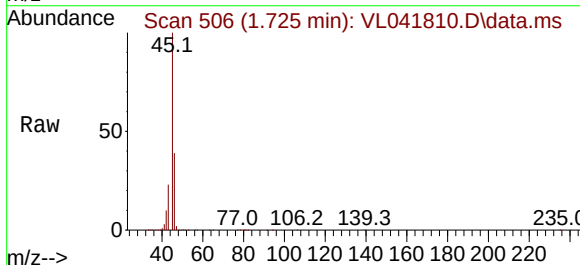
Acq: 19 Dec 2024 00:11

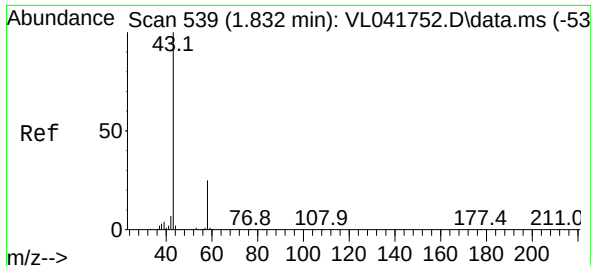
Tgt Ion: 45 Resp: 1157777

Ion Ratio Lower Upper

45 100

46 38.4 16.4 65.8





#15

Acetone

Concen: 10.353 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_1

ClientSampleId :

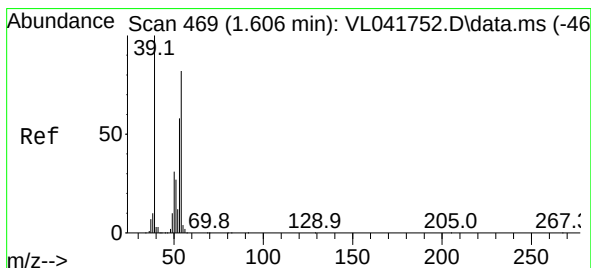
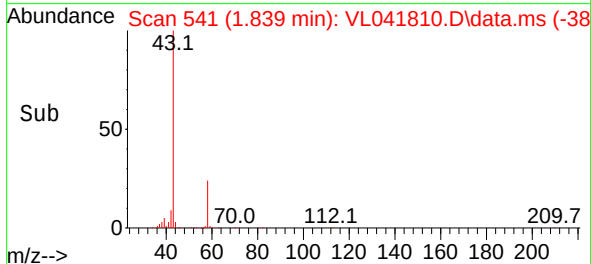
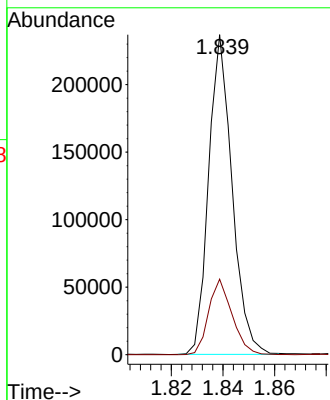
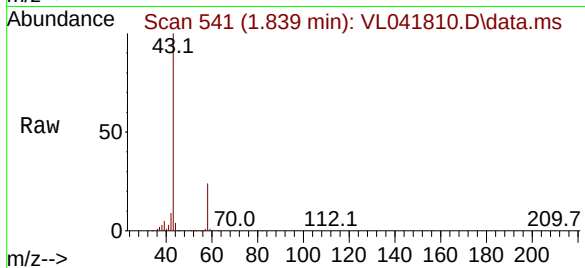
C0AC1DL

Tgt Ion: 43 Resp: 149341

Ion Ratio Lower Upper

43 100

58 23.8 19.7 29.5



#16

1,3-Butadiene

Concen: 1.111 ppbv

RT: 1.606 min Scan# 469

Delta R.T. -0.000 min

Lab File: VL041810.D

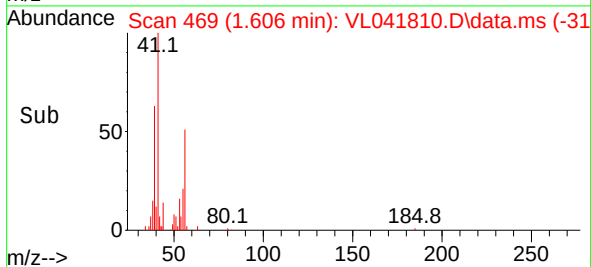
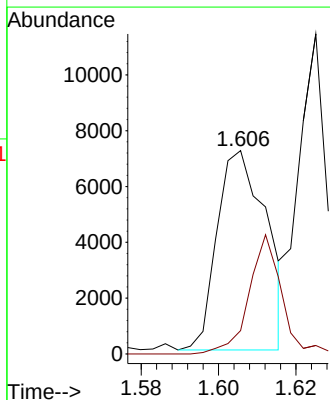
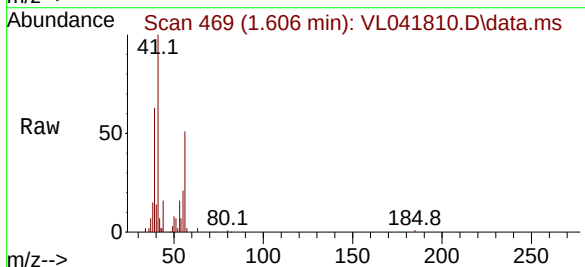
Acq: 19 Dec 2024 00:11

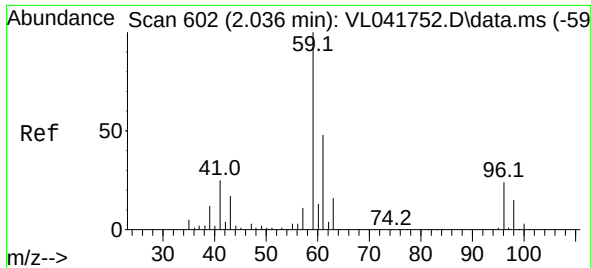
Tgt Ion: 39 Resp: 6313

Ion Ratio Lower Upper

39 100

54 42.2 58.4 87.6#





#17

tert-Butyl alcohol

Concen: 0.507 ppbv

RT: 2.046 min Scan# 602

Delta R.T. 0.009 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_1

ClientSampleId :

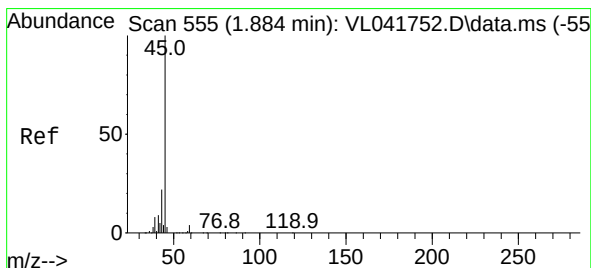
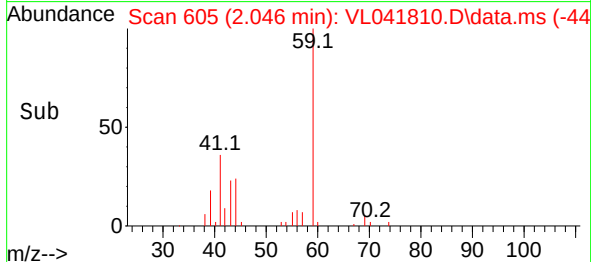
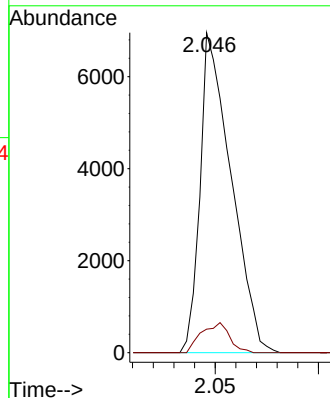
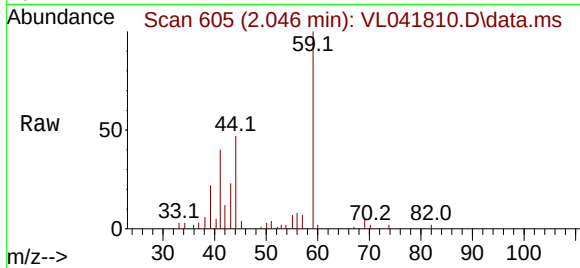
C0AC1DL

Tgt Ion: 59 Resp: 7260

Ion Ratio Lower Upper

59 100

57 8.4 8.6 13.0#



#19

Isopropyl Alcohol

Concen: 2.311 ppbv

RT: 1.891 min Scan# 557

Delta R.T. 0.006 min

Lab File: VL041810.D

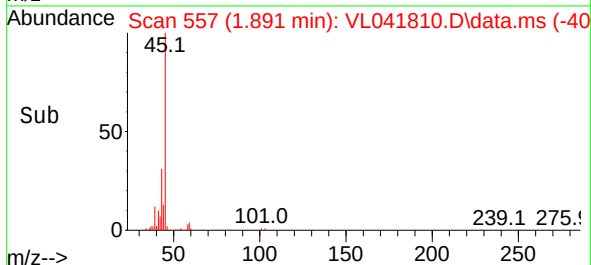
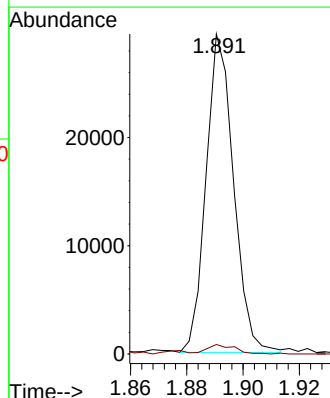
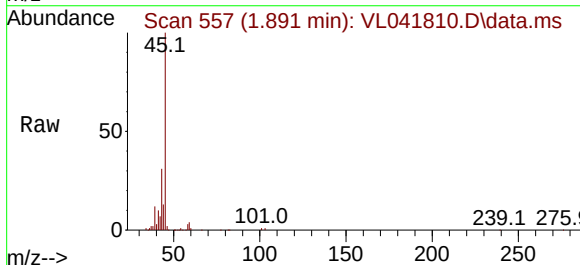
Acq: 19 Dec 2024 00:11

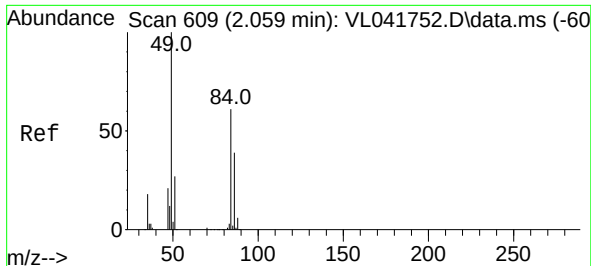
Tgt Ion: 45 Resp: 20001

Ion Ratio Lower Upper

45 100

58 177.5 33.3 49.9#





#20

Methylene Chloride

Concen: 0.847 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041810.D

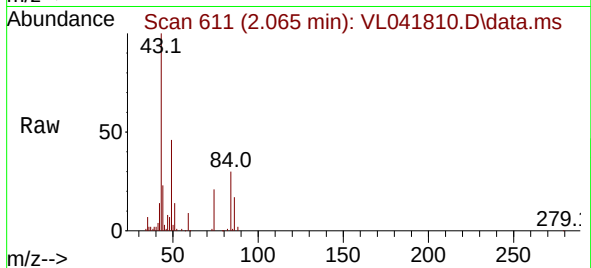
Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_L

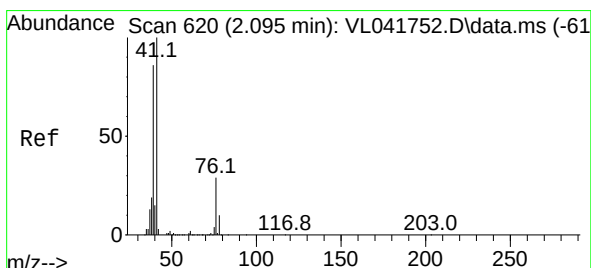
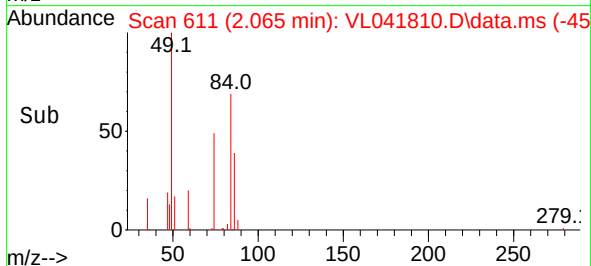
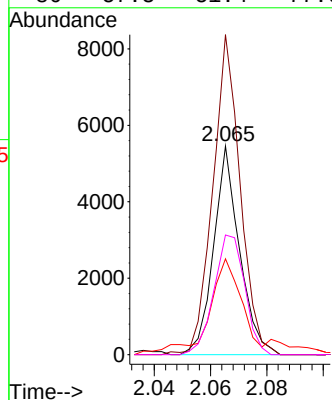
ClientSampleId :

C0AC1DL



Tgt Ion: 84 Resp: 3482

Ion	Ratio	Lower	Upper
84	100		
49	153.4	132.6	198.8
51	41.2	37.6	56.4
86	57.3	51.4	77.0



#21

Allyl Chloride

Concen: 0.108 ppbv

RT: 2.081 min Scan# 616

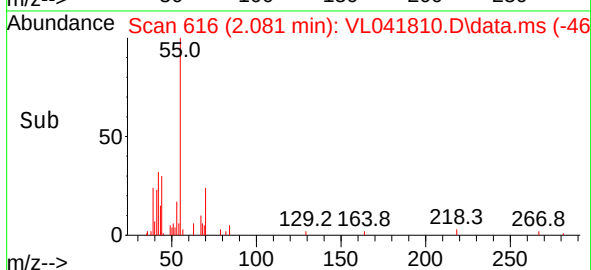
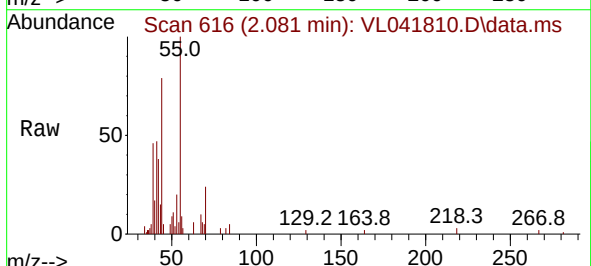
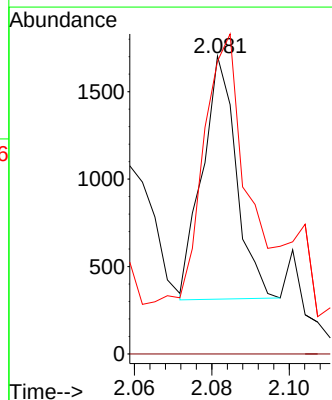
Delta R.T. -0.013 min

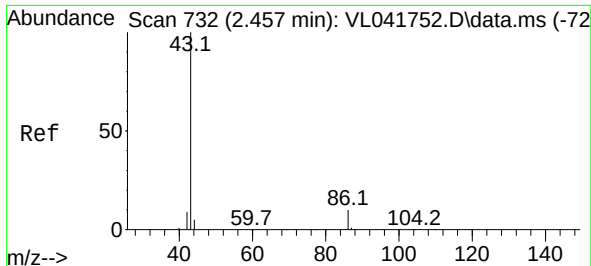
Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Tgt Ion: 41 Resp: 847

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.3	33.5#
39	265.4	69.2	103.8#

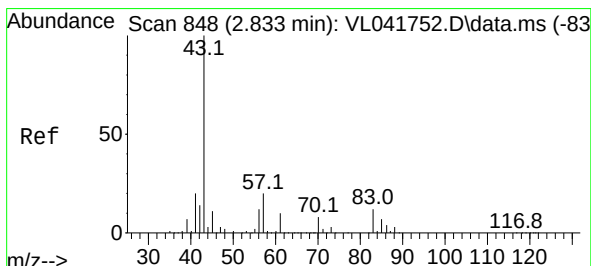
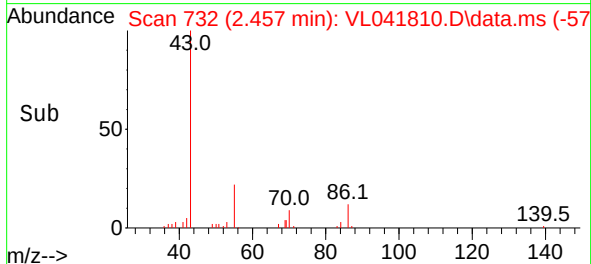
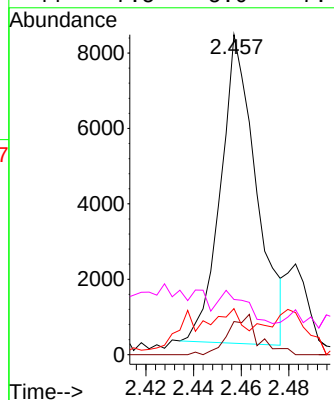
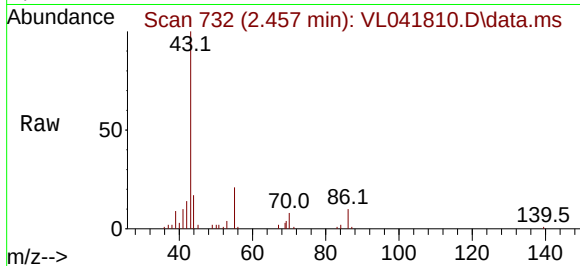




#23
 Vinyl Acetate
 Concen: 1.273 ppbv
 RT: 2.457 min Scan# 741
 Delta R.T. -0.000 min
 Lab File: VL041810.D
 Acq: 19 Dec 2024 00:11

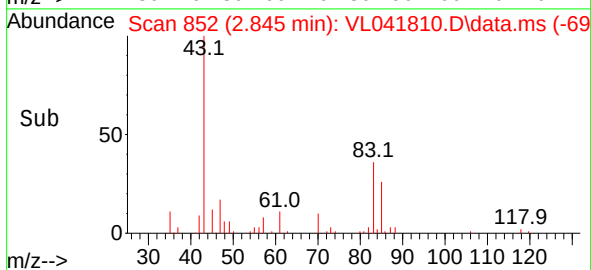
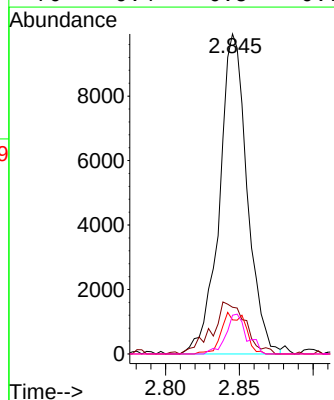
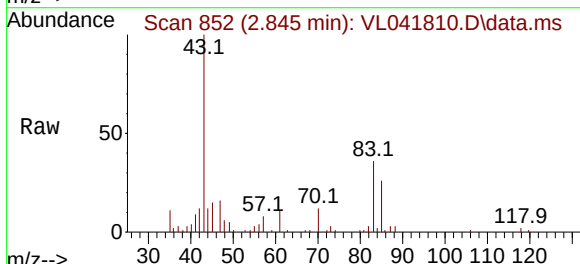
Instrument :
 MSVOA_1
 ClientSampleId :
 C0AC1DL

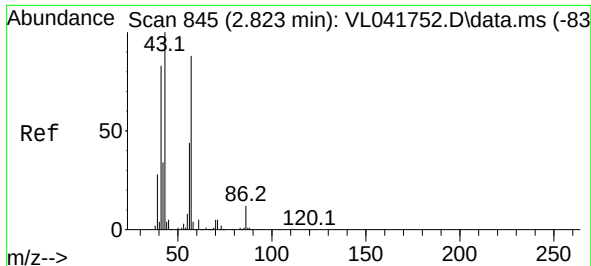
Tgt Ion:	43	Resp:	8527
Ion	Ratio	Lower	Upper
43	100		
86	10.8	6.6	10.0#
42	7.0	8.2	12.2#
44	7.5	5.0	7.4#



#25
 Ethyl Acetate
 Concen: 0.485 ppbv
 RT: 2.845 min Scan# 852
 Delta R.T. 0.013 min
 Lab File: VL041810.D
 Acq: 19 Dec 2024 00:11

Tgt Ion:	43	Resp:	13015
Ion	Ratio	Lower	Upper
43	100		
45	19.6	8.1	12.1#
61	11.0	7.0	10.6#
70	9.4	6.5	9.7

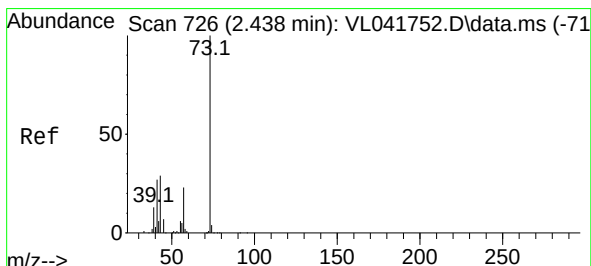
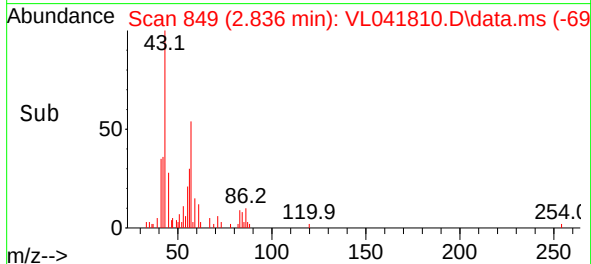
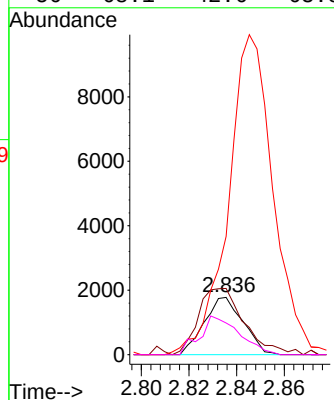
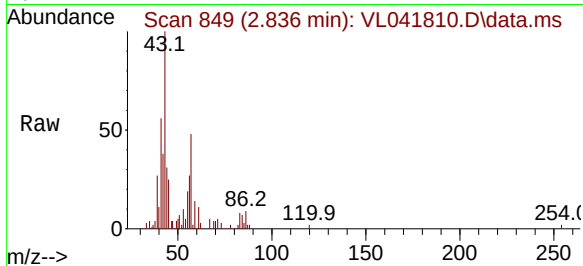




#26
Hexane
Concen: 0.198 ppbv
RT: 2.836 min Scan# 845
Delta R.T. 0.013 min
Lab File: VL041810.D
Acq: 19 Dec 2024 00:11

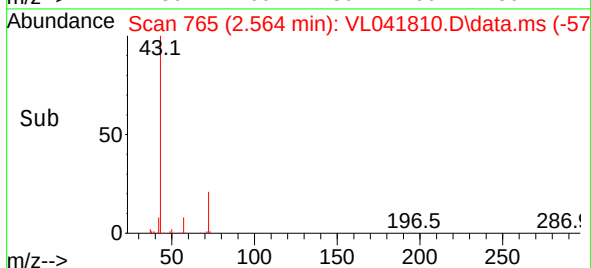
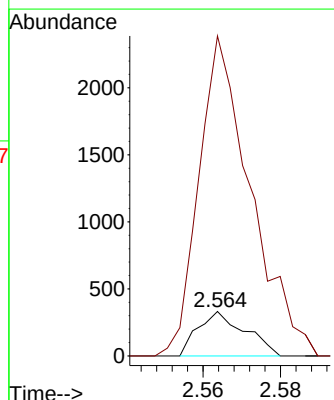
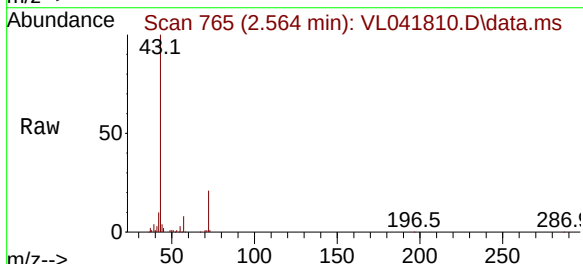
Instrument :
MSVOA_1
ClientSampleId :
C0AC1DL

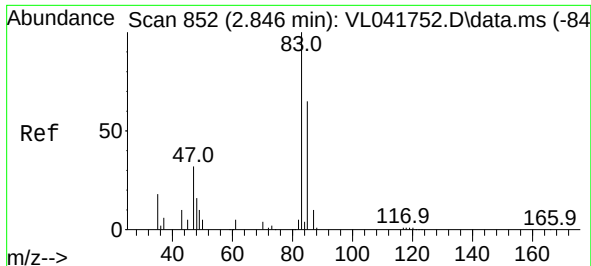
Tgt Ion: 57 Resp: 2019
Ion Ratio Lower Upper
57 100
41 142.1 79.6 119.4#
43 631.6 211.0 316.6#
56 68.1 42.6 63.8#



#28
Methyl tert-Butyl Ether
Concen: 0.034 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.126 min
Lab File: VL041810.D
Acq: 19 Dec 2024 00:11

Tgt Ion: 73 Resp: 279
Ion Ratio Lower Upper
73 100
57 796.1 17.6 26.4#





#29

Chloroform

Concen: 0.647 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.009 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_L

ClientSampleId :

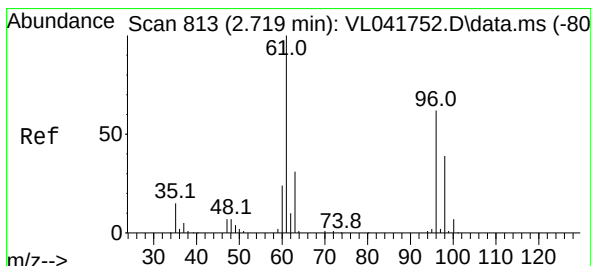
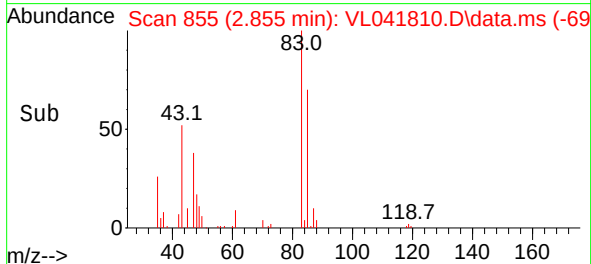
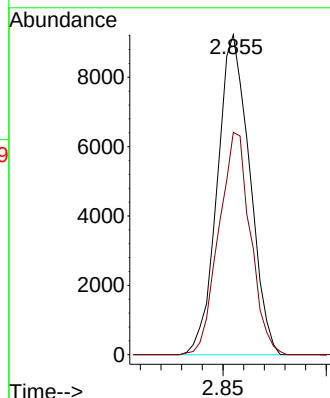
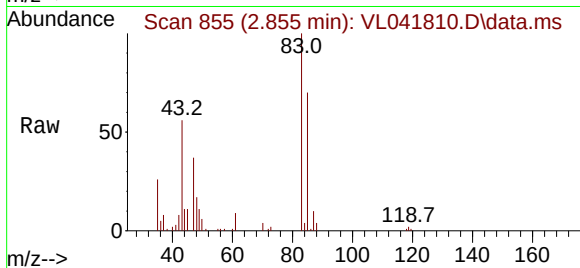
C0AC1DL

Tgt Ion: 83 Resp: 10038

Ion Ratio Lower Upper

83 100

85 69.5 51.8 77.6



#31

cis-1,2-Dichloroethene

Concen: 0.081 ppbv

RT: 2.842 min Scan# 851

Delta R.T. 0.123 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

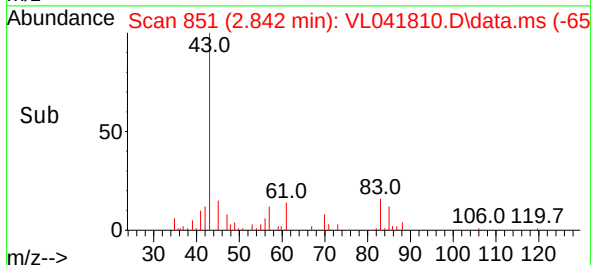
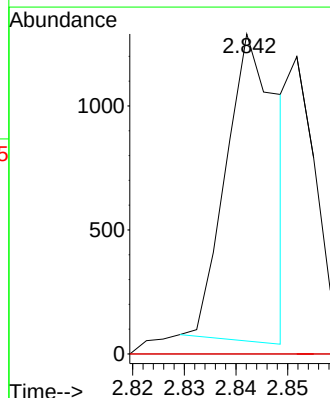
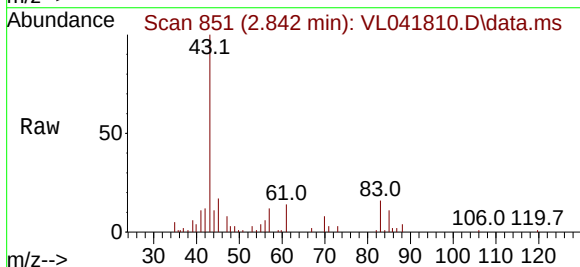
Tgt Ion: 61 Resp: 857

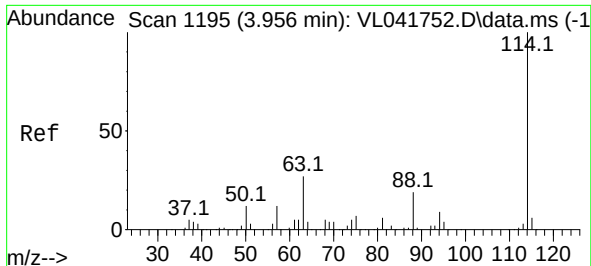
Ion Ratio Lower Upper

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: 3.972 min Scan# 1195

Delta R.T. 0.016 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_1

ClientSampleId :

C0AC1DL

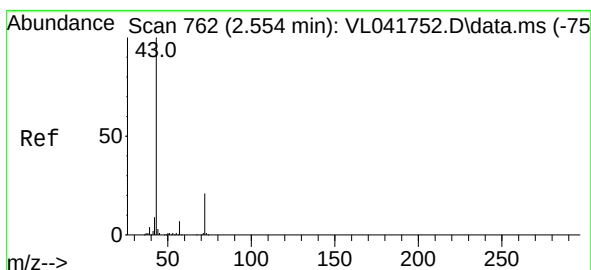
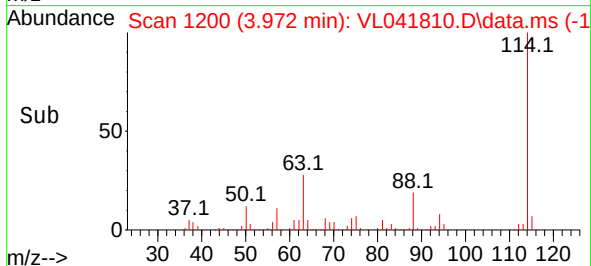
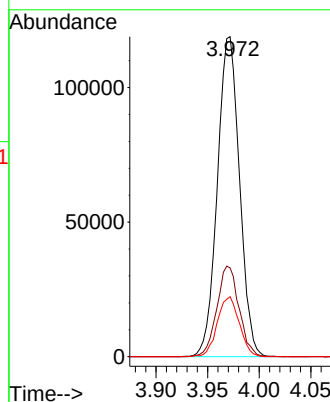
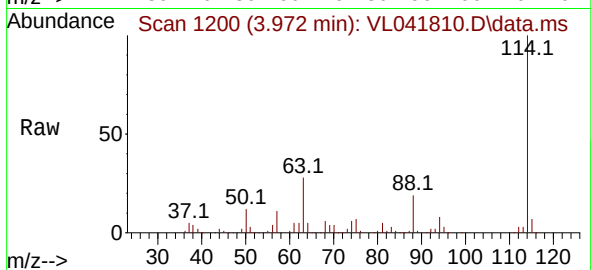
Tgt Ion:114 Resp: 177633

Ion Ratio Lower Upper

114 100

63 28.3 21.8 32.8

88 18.6 14.8 22.2



#34

2-Butanone

Concen: 2.058 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.009 min

Lab File: VL041810.D

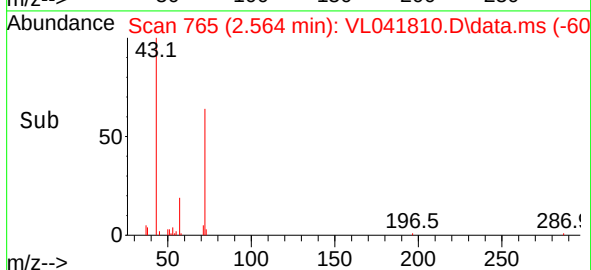
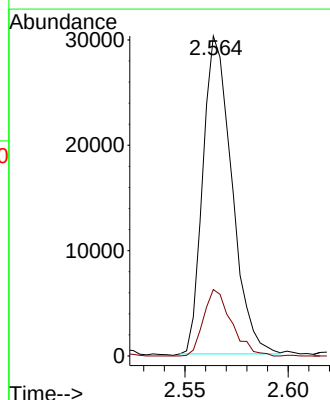
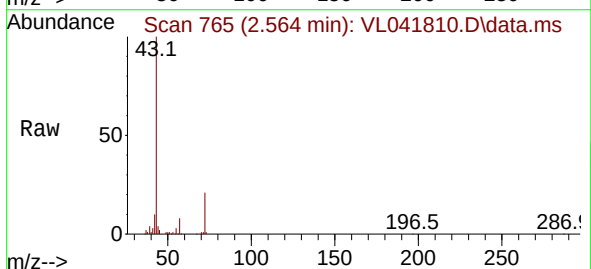
Acq: 19 Dec 2024 00:11

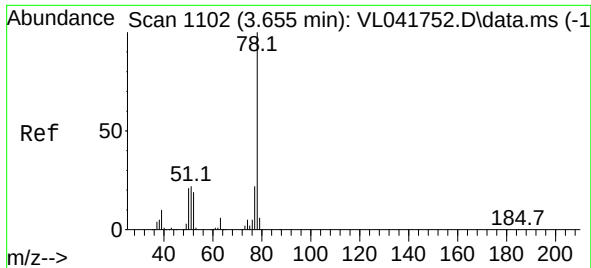
Tgt Ion: 43 Resp: 29410

Ion Ratio Lower Upper

43 100

72 20.3 16.8 25.2

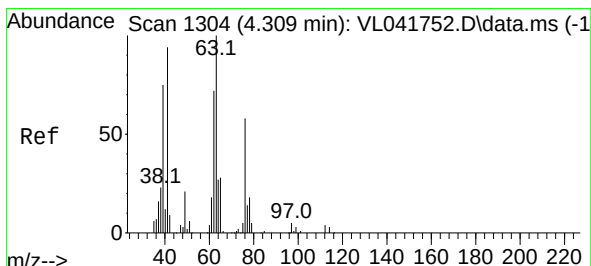
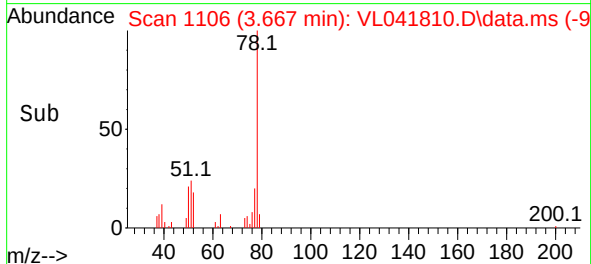
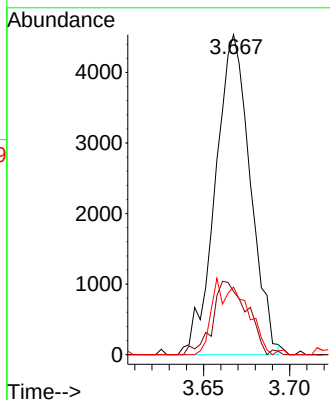
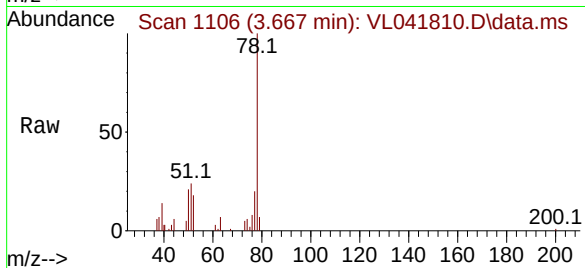




#36
Benzene
Concen: 0.348 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VL041810.D
Acq: 19 Dec 2024 00:11

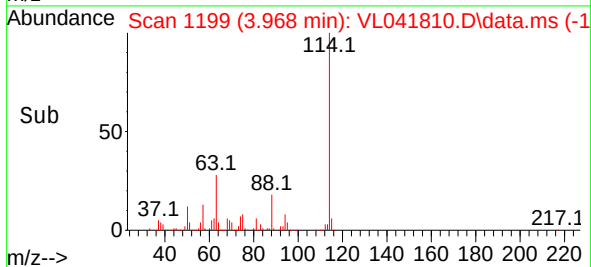
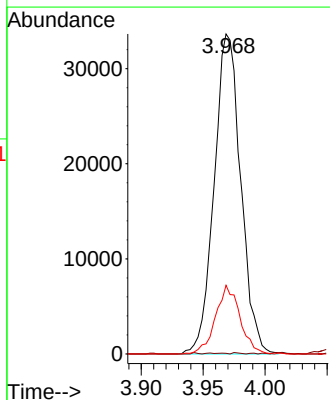
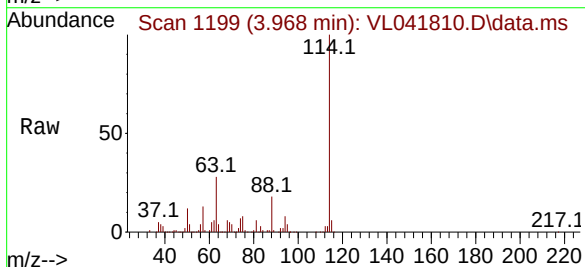
Instrument :
MSVOA_1
ClientSampleId :
C0AC1DL

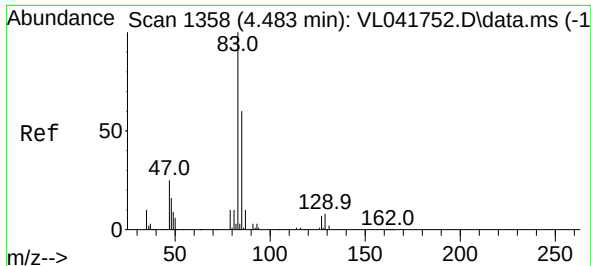
Tgt Ion: 78 Resp: 6389
Ion Ratio Lower Upper
78 100
77 19.8 17.8 26.6
50 21.2 17.2 25.8



#39
1,2-Dichloropropane
Concen: 7.565 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.340 min
Lab File: VL041810.D
Acq: 19 Dec 2024 00:11

Tgt Ion: 63 Resp: 50271
Ion Ratio Lower Upper
63 100
41 0.2 75.3 112.9#
62 21.4 57.3 85.9#





#42

Bromodichloromethane

Concen: 0.129 ppbv

RT: 4.502 min Scan# 1364

Delta R.T. 0.019 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_1

ClientSampleId :

C0AC1DL

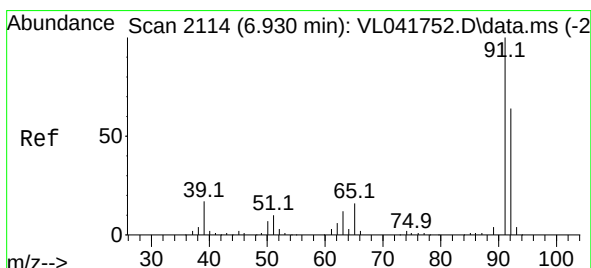
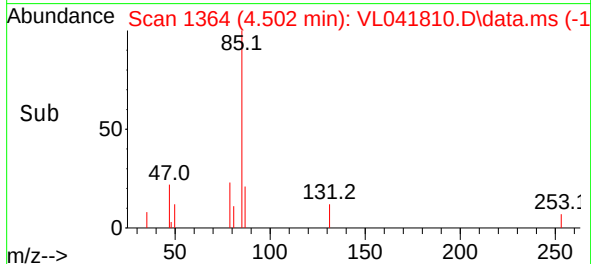
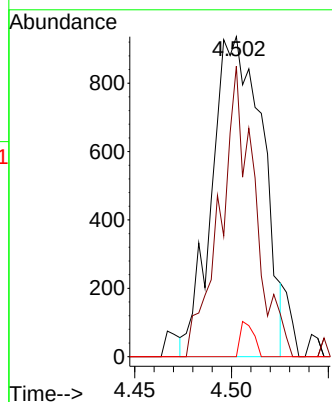
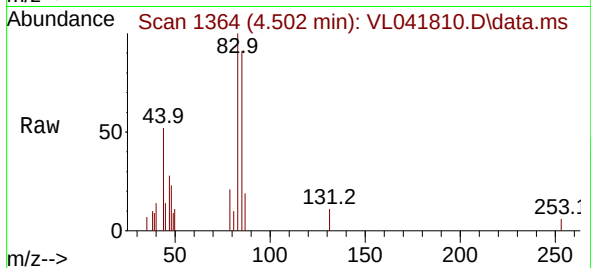
Tgt Ion: 83 Resp: 1698

Ion Ratio Lower Upper

83 100

85 96.6 48.0 72.0#

127 0.0 5.8 8.8#



#53

Toluene

Concen: 0.468 ppbv

RT: 6.946 min Scan# 2119

Delta R.T. 0.016 min

Lab File: VL041810.D

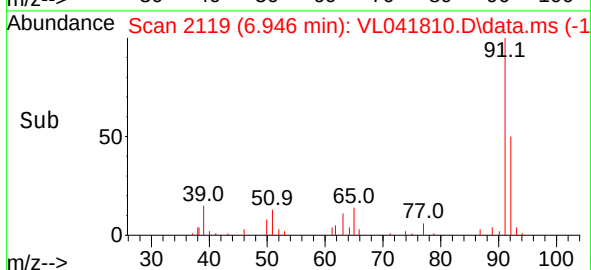
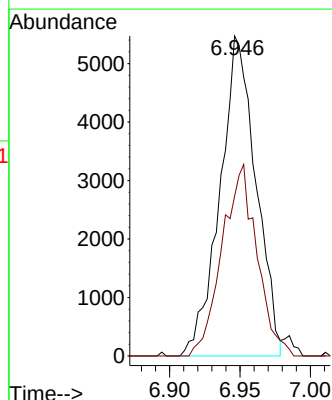
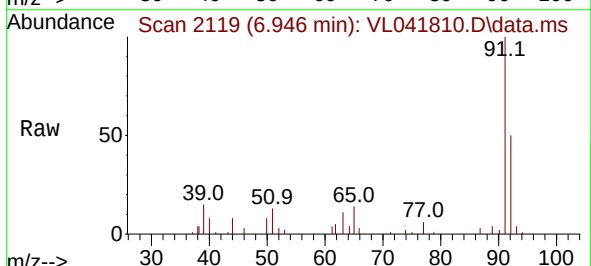
Acq: 19 Dec 2024 00:11

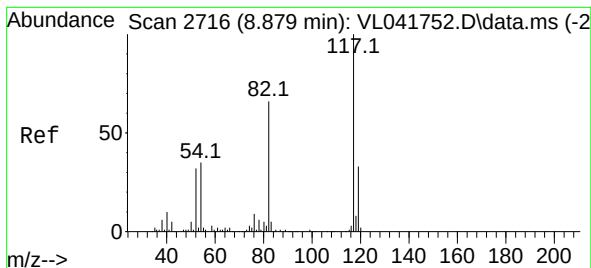
Tgt Ion: 91 Resp: 9756

Ion Ratio Lower Upper

91 100

92 57.8 47.9 71.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_1

ClientSampleId :

C0AC1DL

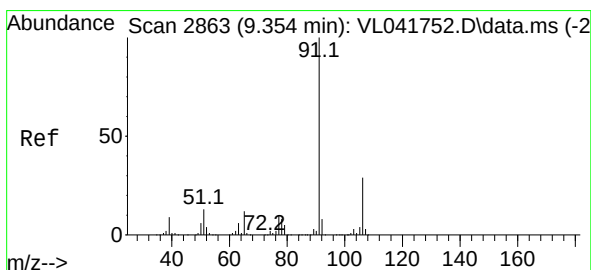
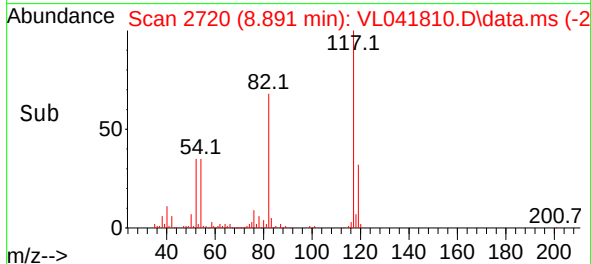
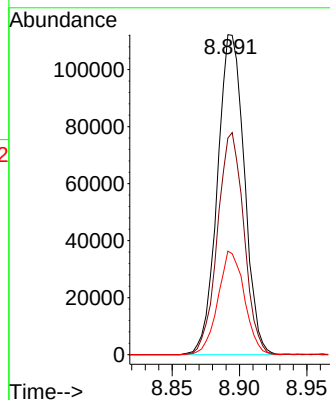
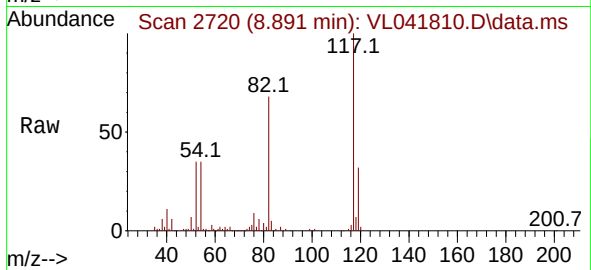
Tgt Ion:117 Resp: 156162

Ion Ratio Lower Upper

117 100

82 68.2 53.8 80.8

119 31.8 26.7 40.1



#58

Ethyl Benzene

Concen: 0.120 ppbv

RT: 9.364 min Scan# 2866

Delta R.T. 0.009 min

Lab File: VL041810.D

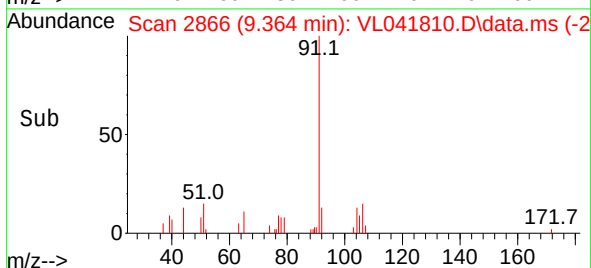
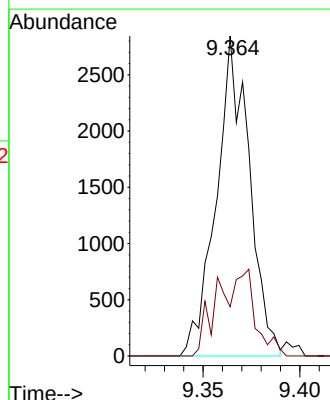
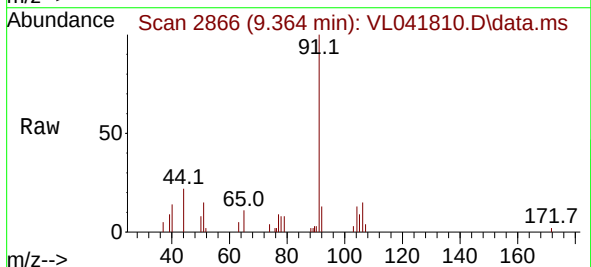
Acq: 19 Dec 2024 00:11

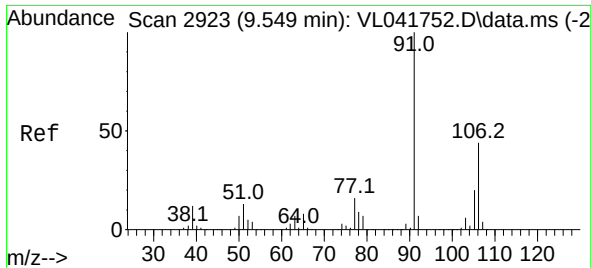
Tgt Ion: 91 Resp: 3369

Ion Ratio Lower Upper

91 100

106 15.4 23.5 35.3#





#59

m/p-Xylene

Concen: 0.604 ppbv

RT: 9.545 min Scan# 2923

Delta R.T. -0.003 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_1

ClientSampleId :

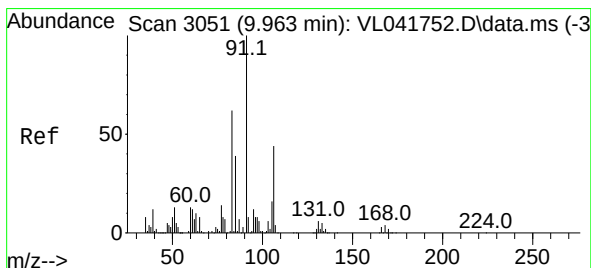
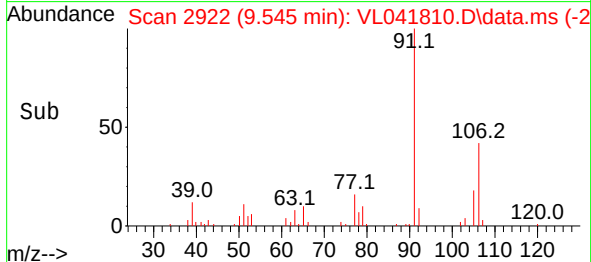
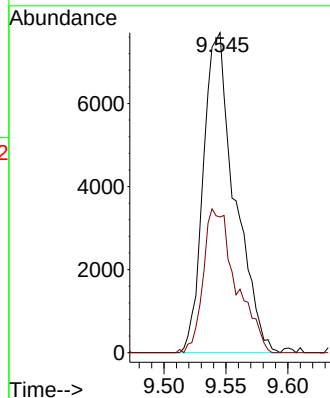
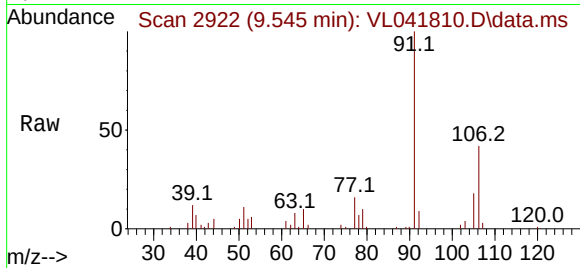
C0AC1DL

Tgt Ion: 91 Resp: 13654

Ion Ratio Lower Upper

91 100

106 46.6 0.0 0.0#



#60

o-Xylene

Concen: 0.236 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.009 min

Lab File: VL041810.D

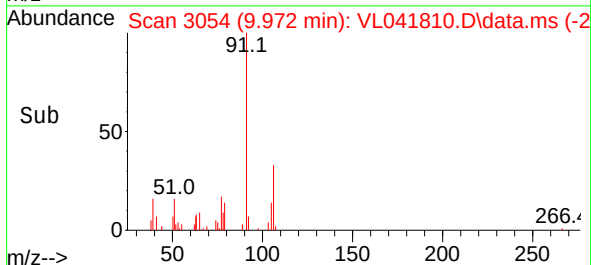
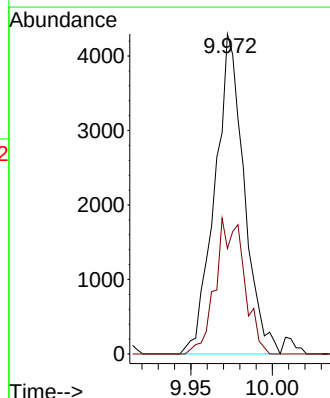
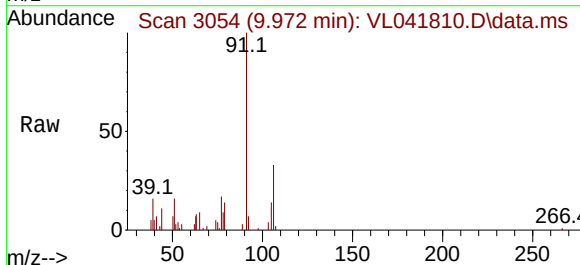
Acq: 19 Dec 2024 00:11

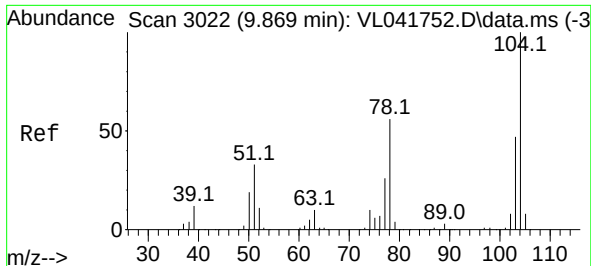
Tgt Ion: 91 Resp: 5359

Ion Ratio Lower Upper

91 100

106 41.5 21.1 63.4

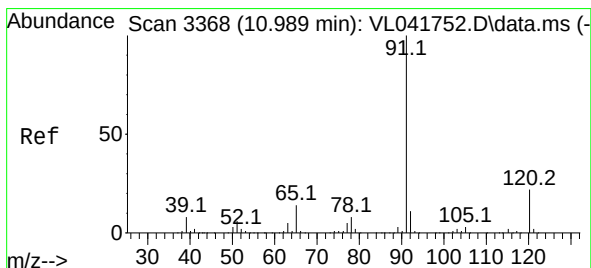
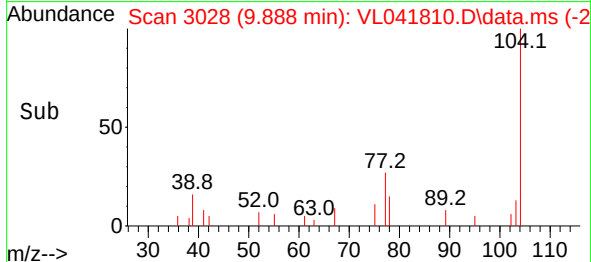
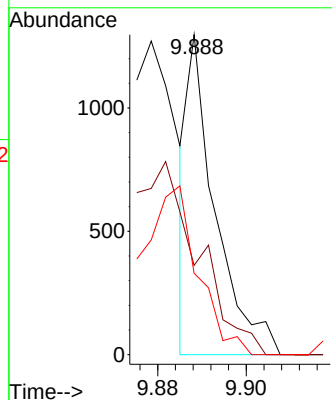
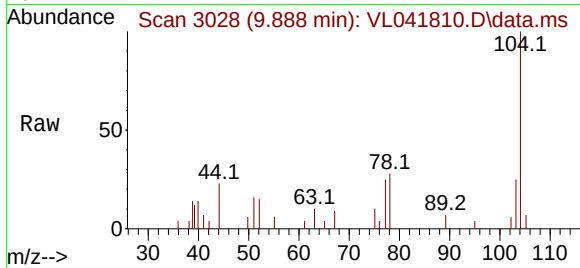




#61
Styrene
Concen: 0.057 ppbv
RT: 9.888 min Scan# 3022
Delta R.T. 0.019 min
Lab File: VL041810.D
Acq: 19 Dec 2024 00:11

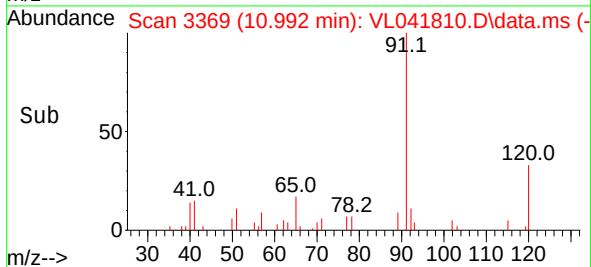
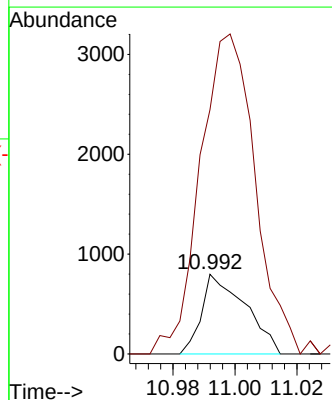
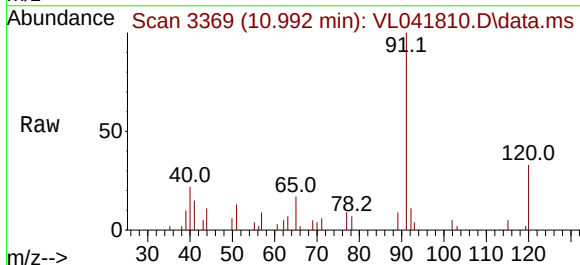
Instrument :
MSVOA_1
ClientSampleId :
C0AC1DL

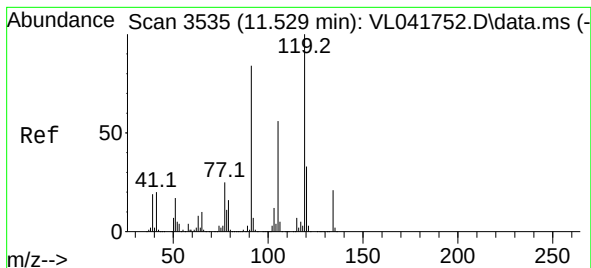
Tgt Ion:104 Resp: 560
Ion Ratio Lower Upper
104 100
78 170.7 43.8 65.6#
103 134.8 37.8 56.6#



#64
n-propylbenzene
Concen: 0.091 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL041810.D
Acq: 19 Dec 2024 00:11

Tgt Ion:120 Resp: 781
Ion Ratio Lower Upper
120 100
91 516.9 387.3 580.9





#65

tert-Butylbenzene

Concen: 0.097 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.016 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_L

ClientSampleId :

C0AC1DL

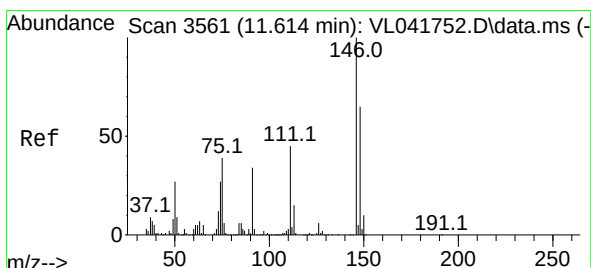
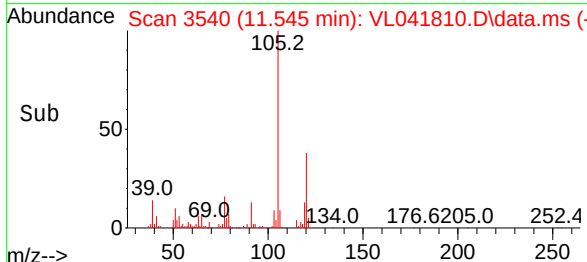
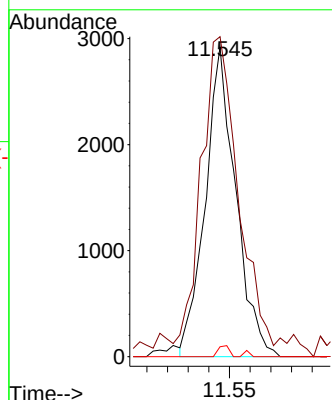
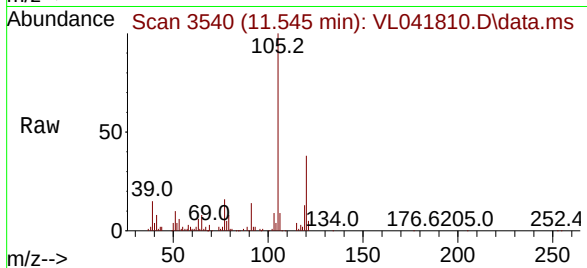
Tgt Ion:119 Resp: 2994

Ion Ratio Lower Upper

119 100

91 130.8 67.0 100.4#

134 1.7 16.5 24.7#



#66

Benzyl Chloride

Concen: 1.300 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.068 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

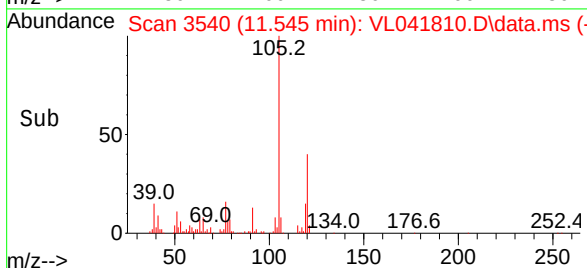
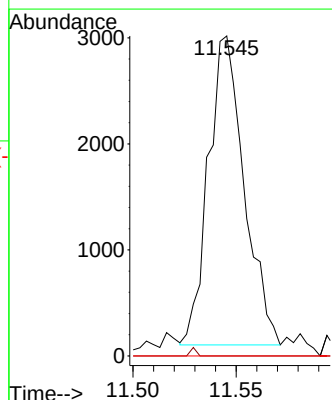
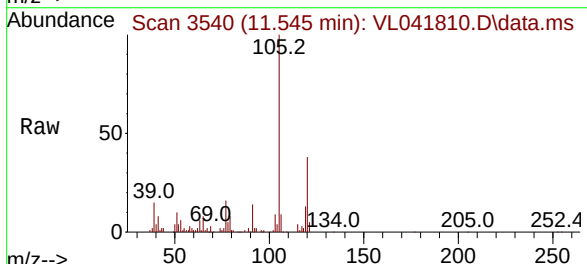
Tgt Ion: 91 Resp: 3520

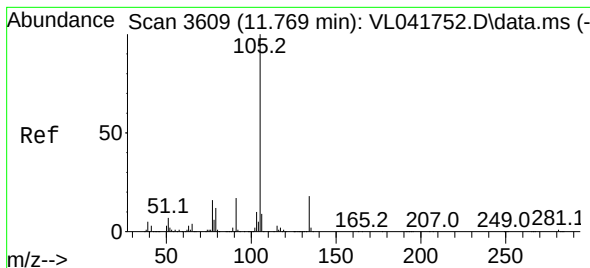
Ion Ratio Lower Upper

91 100

126 0.4 13.9 20.9#

128 0.0 4.4 6.6#

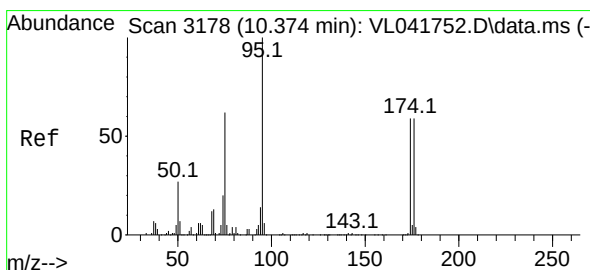
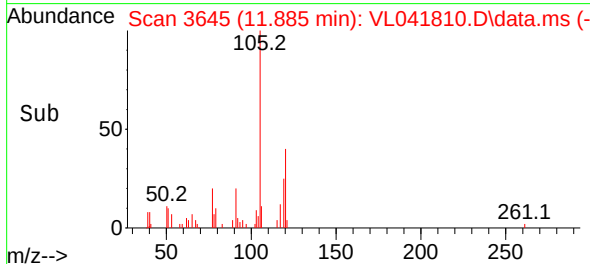
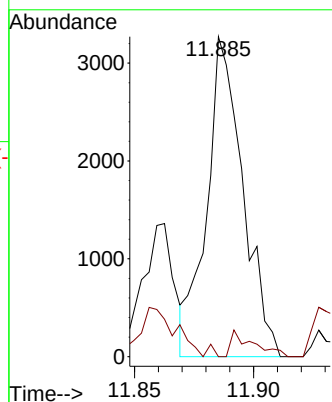
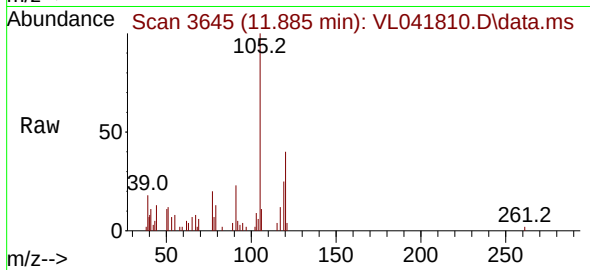




#67
 sec-Butylbenzene
 Concen: 0.081 ppbv
 RT: 11.885 min Scan# 3182
 Delta R.T. 0.116 min
 Lab File: VL041810.D
 Acq: 19 Dec 2024 00:11

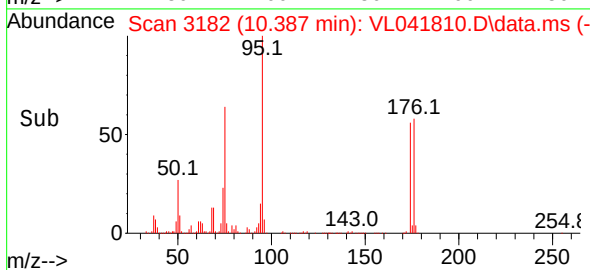
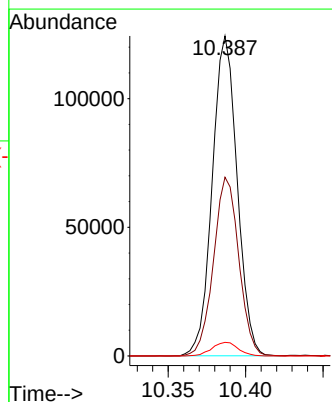
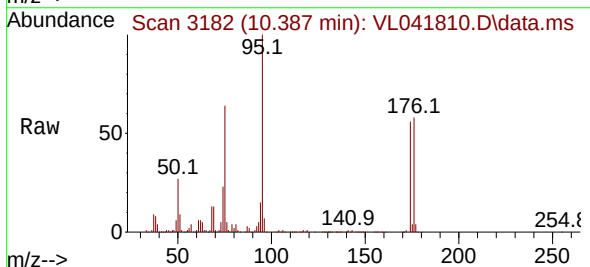
Instrument :
 MSVOA_1
 ClientSampleId :
 C0AC1DL

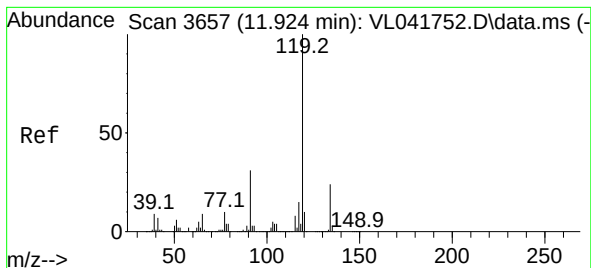
Tgt Ion:105 Resp: 3447
 Ion Ratio Lower Upper
 105 100
 134 20.8 14.5 21.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.659 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.013 min
 Lab File: VL041810.D
 Acq: 19 Dec 2024 00:11

Tgt Ion: 95 Resp: 138713
 Ion Ratio Lower Upper
 95 100
 174 56.8 47.6 71.4
 175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.069 ppbv

RT: 11.934 min Scan# 3

Delta R.T. 0.009 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_1

ClientSampleId :

C0AC1DL

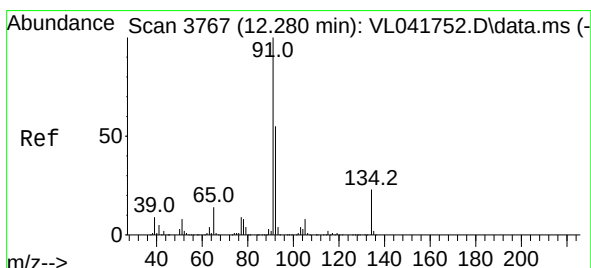
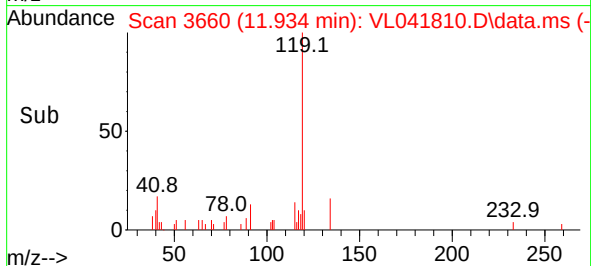
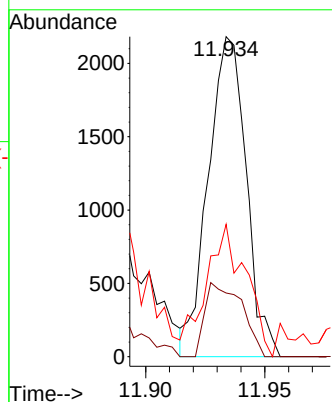
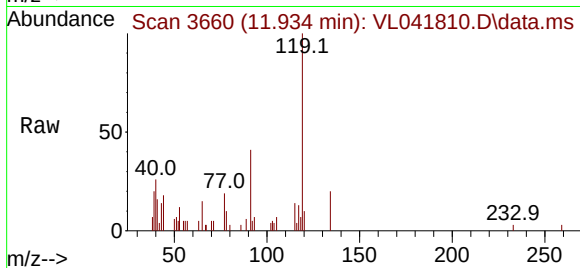
Tgt Ion:119 Resp: 2418

Ion Ratio Lower Upper

119 100

134 29.7 19.6 29.4#

91 38.0 24.4 36.6#



#70

n-Butylbenzene

Concen: 0.034 ppbv

RT: 12.355 min Scan# 3790

Delta R.T. 0.074 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

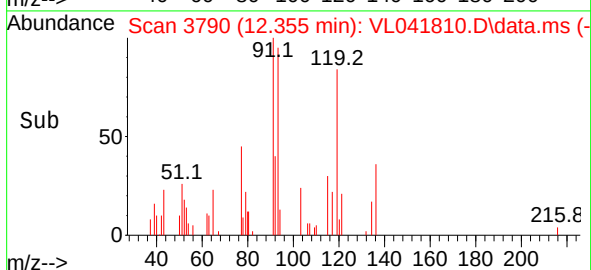
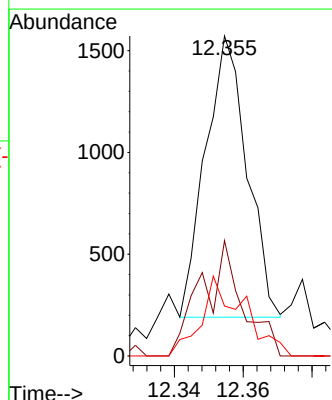
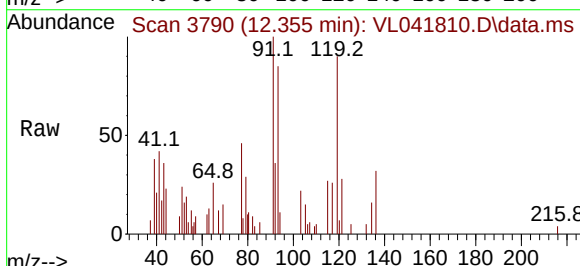
Tgt Ion: 91 Resp: 1159

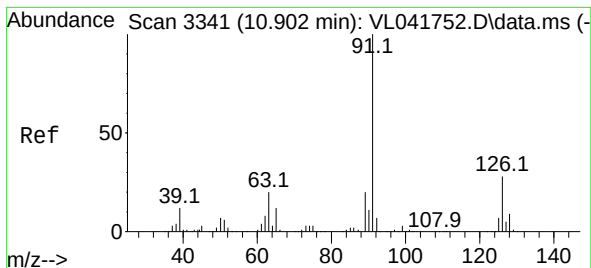
Ion Ratio Lower Upper

91 100

92 41.4 43.2 64.8#

134 29.2 18.2 27.4#





#71

2-Chlorotoluene

Concen: 0.350 ppbv

RT: 10.869 min Scan# 3411

Delta R.T. -0.033 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_1

ClientSampleId :

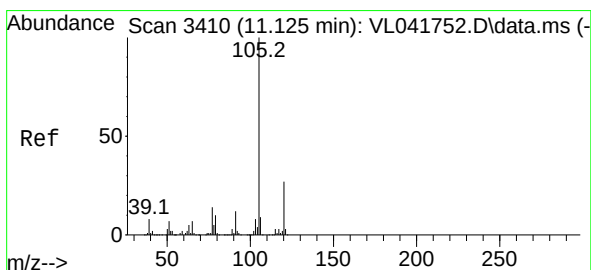
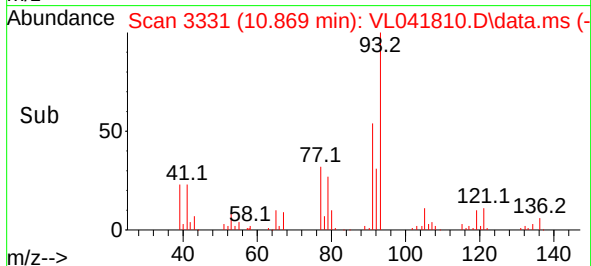
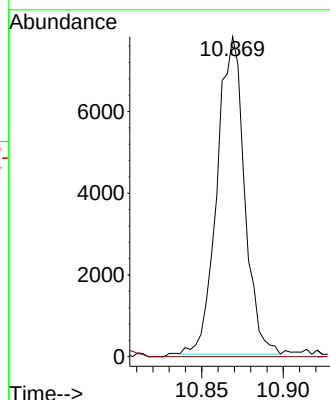
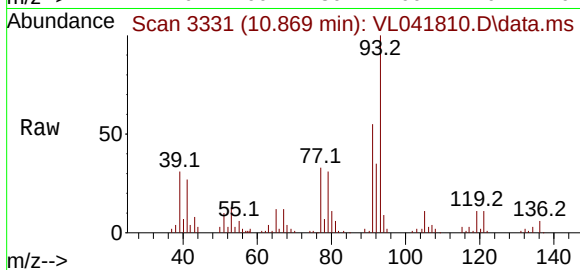
C0AC1DL

Tgt Ion: 91 Resp: 9088

Ion Ratio Lower Upper

91 100

126 1.2 11.6 46.4#



#72

4-Ethyltoluene

Concen: 0.175 ppbv

RT: 11.134 min Scan# 3413

Delta R.T. 0.009 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Tgt Ion:105 Resp: 4673

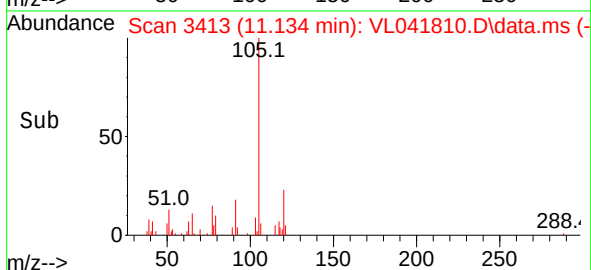
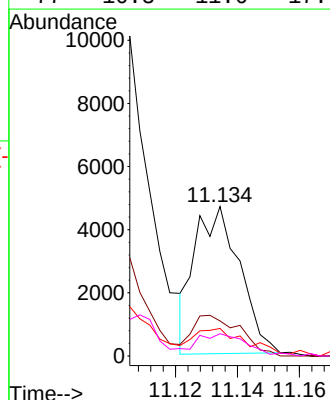
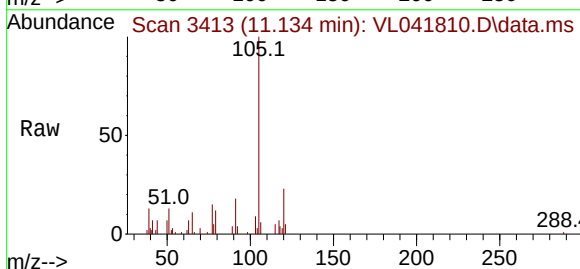
Ion Ratio Lower Upper

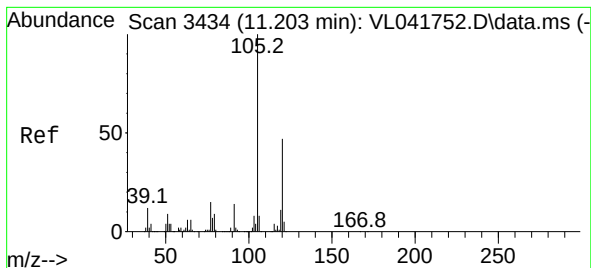
105 100

120 0.0 23.3 34.9#

91 0.0 10.9 16.3#

77 16.3 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.210 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.009 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Instrument :

MSVOA_L

ClientSampleId :

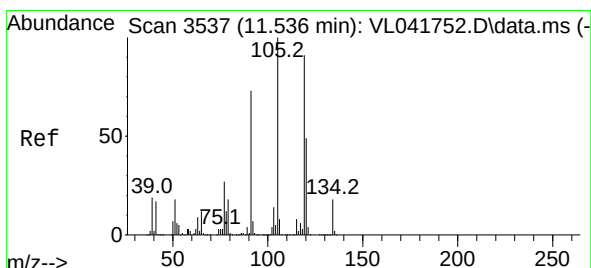
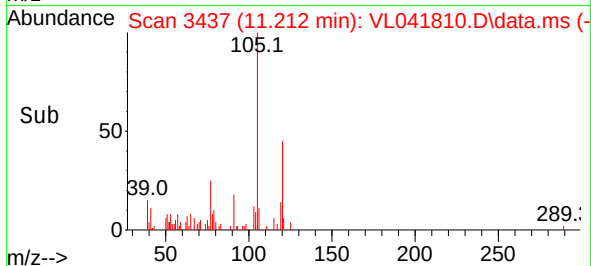
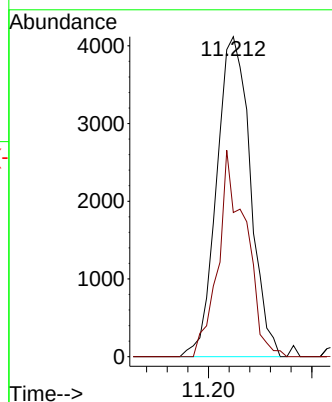
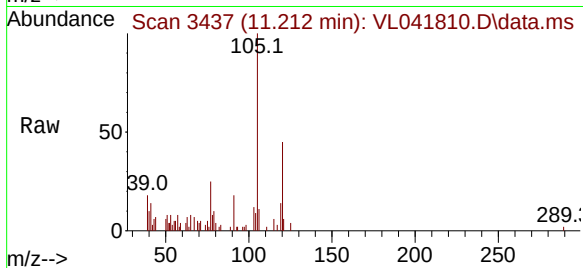
C0AC1DL

Tgt Ion:105 Resp: 4667

Ion Ratio Lower Upper

105 100

120 51.3 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.961 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.009 min

Lab File: VL041810.D

Acq: 19 Dec 2024 00:11

Tgt Ion:105 Resp: 22943

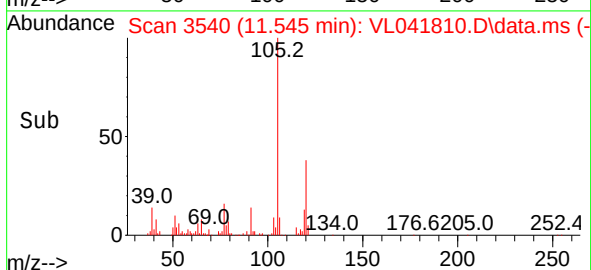
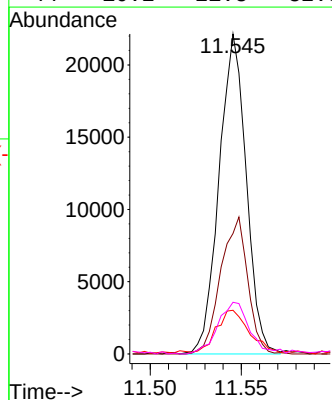
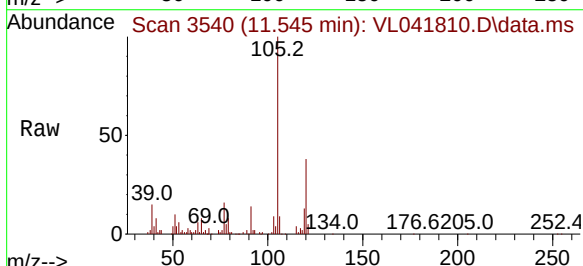
Ion Ratio Lower Upper

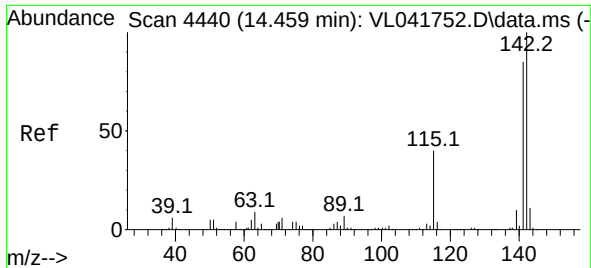
105 100

120 37.7 39.0 58.4#

91 12.9 58.1 87.1#

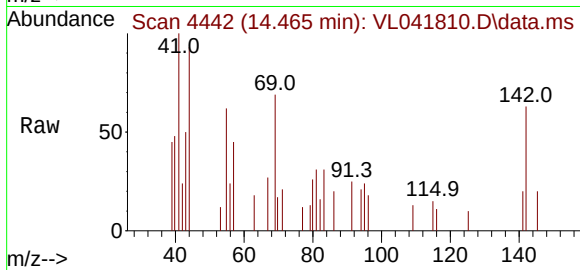
77 16.2 21.8 32.8#





#80
Naphthalene, 2-methyl-
Concen: 0.034 ppbv
RT: 14.465 min Scan# 44
Delta R.T. 0.006 min
Lab File: VL041810.D
Acq: 19 Dec 2024 00:11

Instrument :
MSVOA_L
ClientSampleId :
C0AC1DL



Tgt Ion:	142	Resp:	174
Ion	Ratio	Lower	Upper
142	100		
141	97.1	68.4	102.6
115	37.9	32.5	48.7

