

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
 Data File : VL040851.D
 Acq On : 14 Nov 2023 15:18
 Operator : SY/MD
 Sample : 05399-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

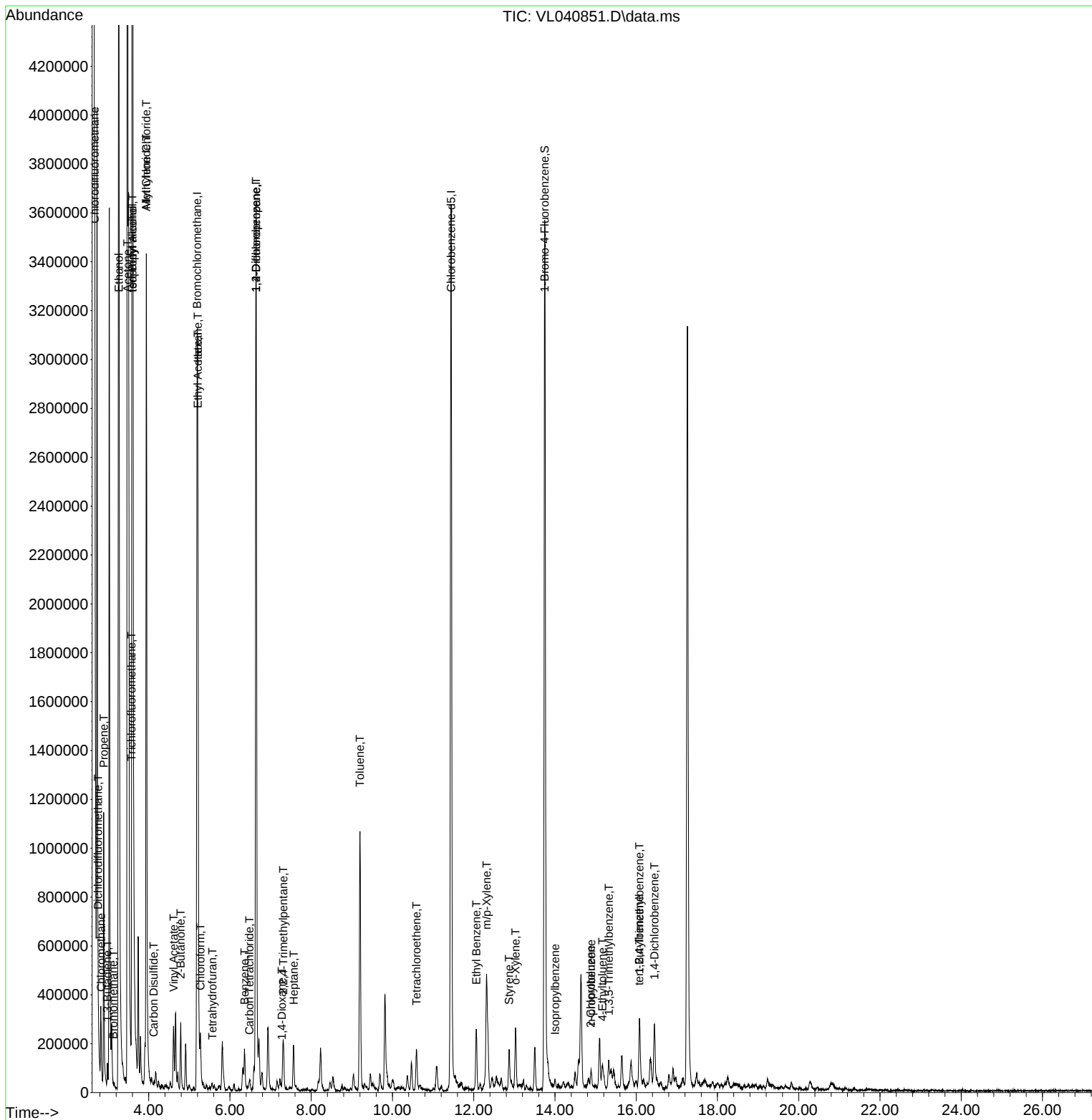
Quant Time: Nov 16 04:48:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 13 15:42:46 2023
 Response via : Initial Calibration

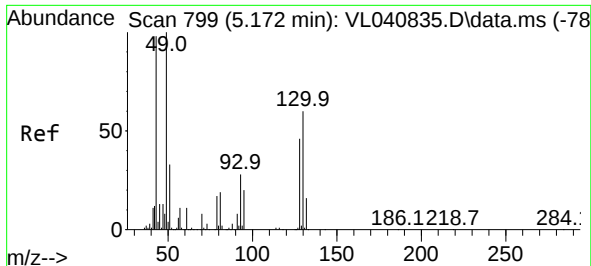
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.192	49	1071806	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	2754327	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2409227	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1842404	9.768	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.755	85	97224	0.447	ppbv	95
3) Chlorodifluoromethane	2.674	51	725922	4.242	ppbv #	61
4) Chloromethane	2.832	50	62384	1.014	ppbv	96
6) Bromomethane	3.131	94	821	0.035	ppbv #	25
9) Propene	2.893	41	245823	4.263	ppbv	93
10) Heptane	7.568	43	77466	0.546	ppbv	88
11) Trichlorofluoromethane	3.578	101	34352	0.206	ppbv	93
13) Ethanol	3.263	45	5788608	516.916	ppbv #	100
15) Acetone	3.478	43	8474187	74.236	ppbv	98
16) 1,3-Butadiene	2.980	39	11482	0.199	ppbv #	11
17) tert-Butyl alcohol	3.600	59	409518	4.195	ppbv	100
19) Isopropyl Alcohol	3.600	45	9891755	143.990	ppbv #	97
20) Methylene Chloride	3.941	84	1089721	23.132	ppbv	97
21) Allyl Chloride	3.944	41	44897	0.615	ppbv #	31
23) Vinyl Acetate	4.620	43	131383	0.891	ppbv #	32
25) Ethyl Acetate	5.211	43	772329	3.268	ppbv #	92
26) Hexane	5.208	57	785752	7.511	ppbv #	51
27) Carbon Disulfide	4.128	76	7347	0.055	ppbv #	61
29) Chloroform	5.275	83	116160	0.655	ppbv	99
34) 2-Butanone	4.790	43	291865	2.080	ppbv	99
35) Carbon Tetrachloride	6.481	117	13478	0.080	ppbv	88
36) Benzene	6.359	78	111769	0.500	ppbv	96
39) 1,2-Dichloropropane	6.642	63	680920	7.683	ppbv #	22
40) 1,4-Dioxane	7.275	88	1711	0.049	ppbv #	1
41) Tetrahydrofuran	5.568	42	3676	0.043	ppbv #	1
44) 2,2,4-Trimethylpentane	7.311	57	170468	0.459	ppbv #	85
52) Tetrachloroethene	10.594	164	28907	0.384	ppbv	92
53) Toluene	9.201	91	811365	3.298	ppbv	99
58) Ethyl Benzene	12.063	91	223483	0.711	ppbv	97
59) m/p-Xylene	12.317	91	498251	1.861	ppbv	97
60) o-Xylene	13.031	91	198011	0.777	ppbv	99
61) Styrene	12.873	104	88001	0.716	ppbv	98
62) Isopropylbenzene	14.005	105	12069	0.032	ppbv #	44
64) n-propylbenzene	14.892	120	3920	0.042	ppbv #	1
65) tert-Butylbenzene	16.072	119	10245	0.032	ppbv #	18
71) 2-Chlorotoluene	14.883	91	29431	0.103	ppbv #	46
72) 4-Ethyltoluene	15.166	105	66599	0.238	ppbv #	90
73) 1,3,5-Trimethylbenzene	15.323	105	73948	0.298	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.079	105	203411	0.736	ppbv #	60
76) 1,4-Dichlorobenzene	16.449	146	6385	0.044	ppbv #	22

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

Instrument :
MSVOA_L
ClientSampleId :
IA1

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Mon Nov 13 15:42:46 2023
Response via : Initial Calibration

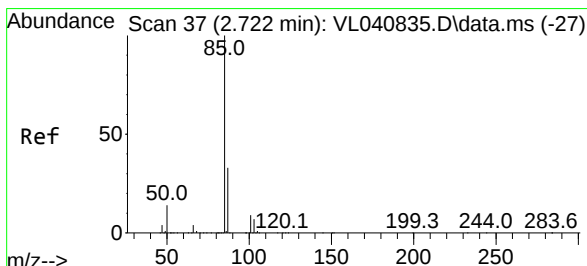
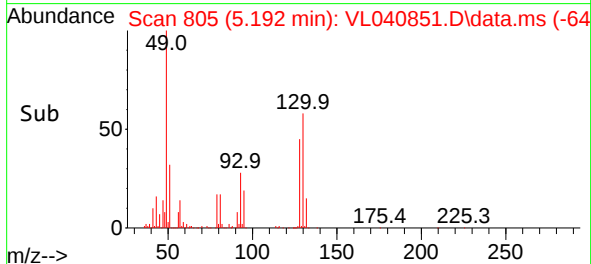
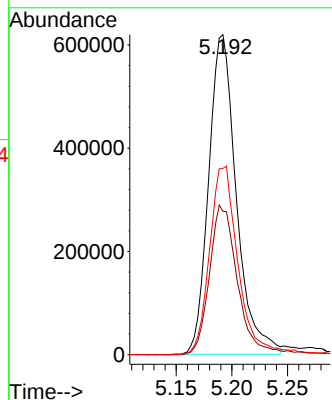
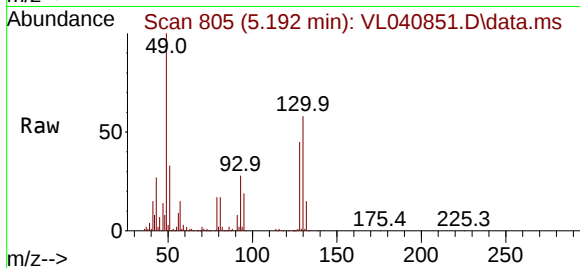




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. 0.020 min
 Lab File: VL040851.D
 Acq: 14 Nov 2023 15:18

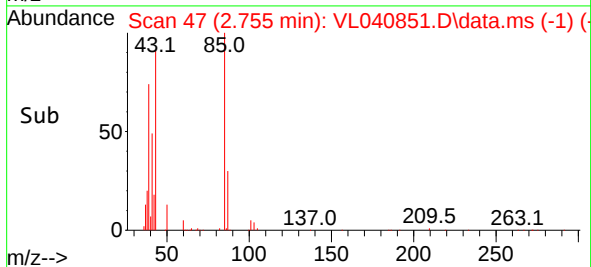
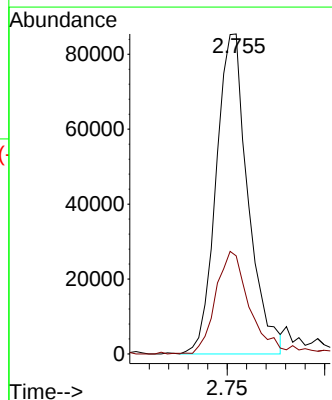
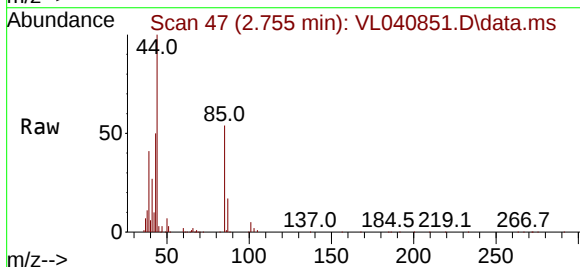
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

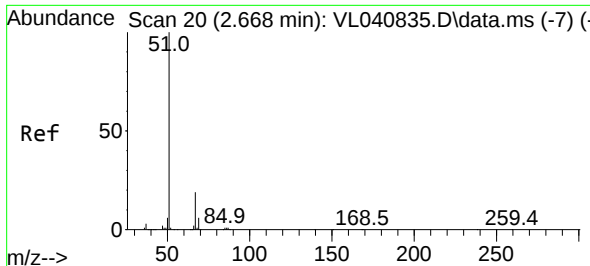
Tgt Ion: 49 Resp: 1071806
 Ion Ratio Lower Upper
 49 100
 128 48.5 23.8 71.2
 130 62.0 30.9 92.8



#2
 Dichlorodifluoromethane
 Concen: 0.447 ppbv
 RT: 2.755 min Scan# 47
 Delta R.T. 0.032 min
 Lab File: VL040851.D
 Acq: 14 Nov 2023 15:18

Tgt Ion: 85 Resp: 97224
 Ion Ratio Lower Upper
 85 100
 87 30.4 26.7 40.1

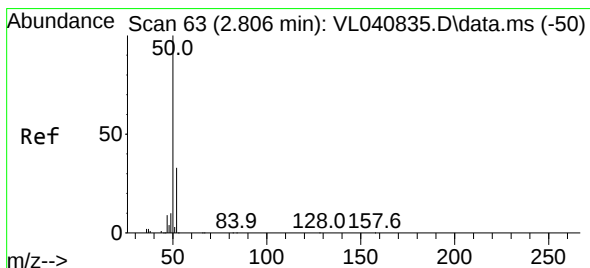
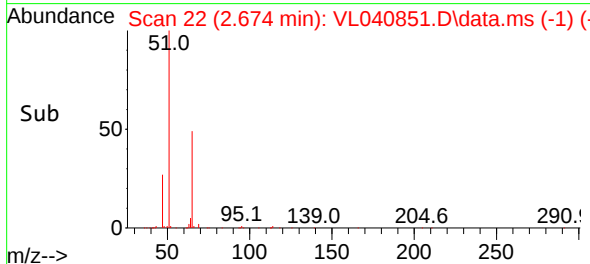
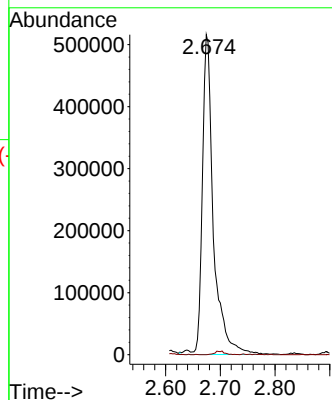
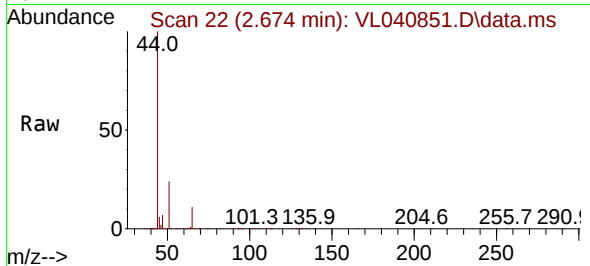




#3
Chlorodifluoromethane
Concen: 4.242 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

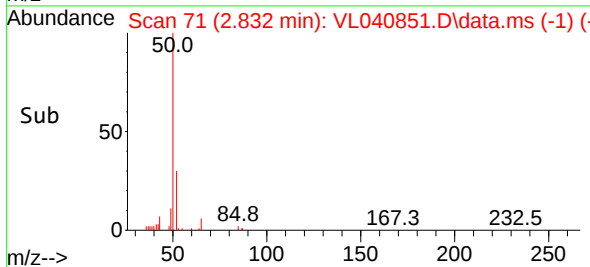
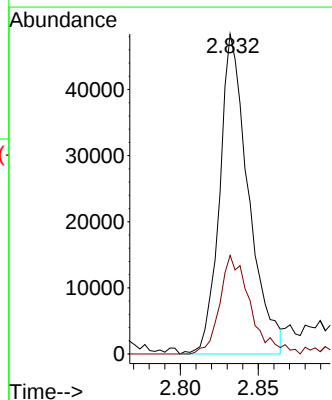
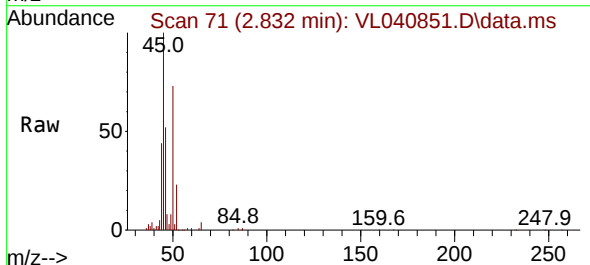
Instrument :
MSVOA_L
ClientSampleId :
IA1

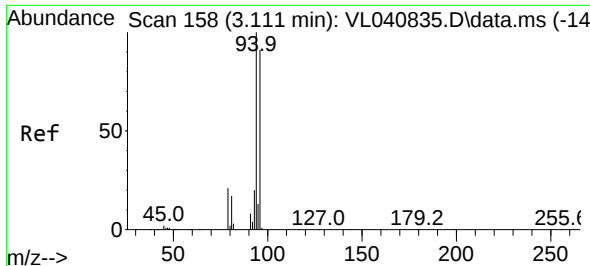
Tgt Ion: 51 Resp: 725922
Ion Ratio Lower Upper
51 100
67 1.0 15.0 22.4#



#4
Chloromethane
Concen: 1.014 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.026 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion: 50 Resp: 62384
Ion Ratio Lower Upper
50 100
52 30.8 26.5 39.7

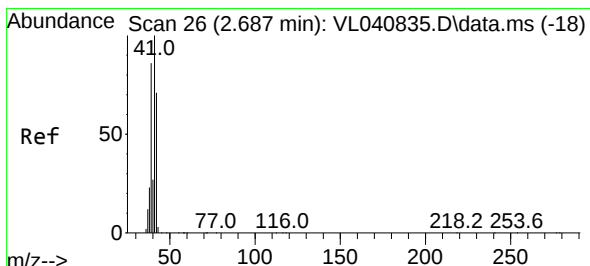
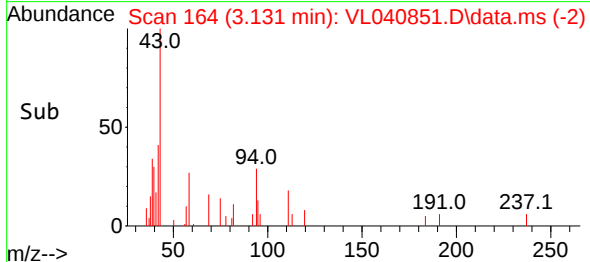
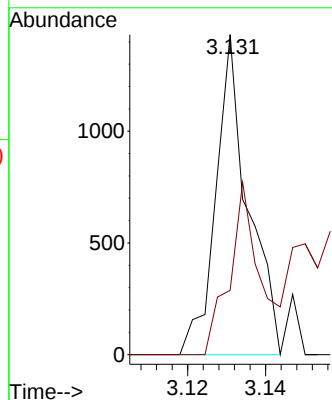
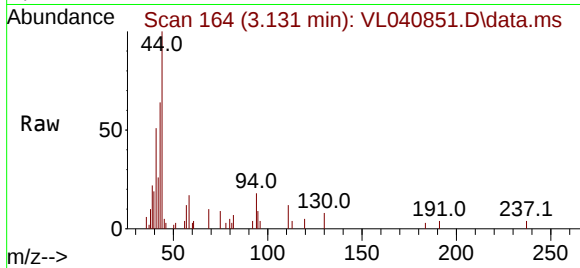




#6
Bromomethane
Concen: 0.035 ppbv
RT: 3.131 min Scan# 10
Delta R.T. 0.019 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

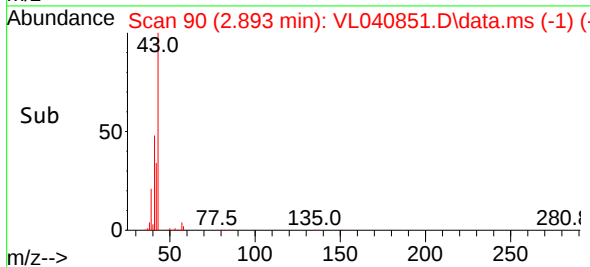
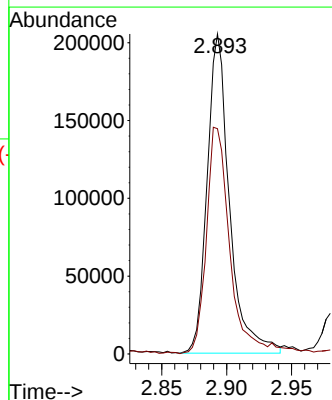
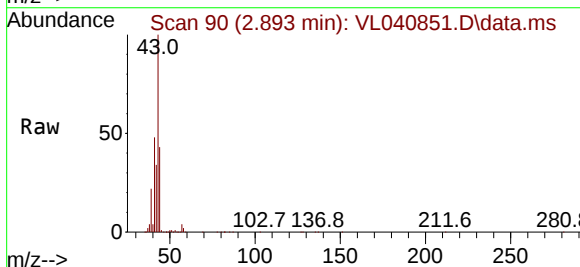
Instrument :
MSVOA_L
ClientSampleId :
IA1

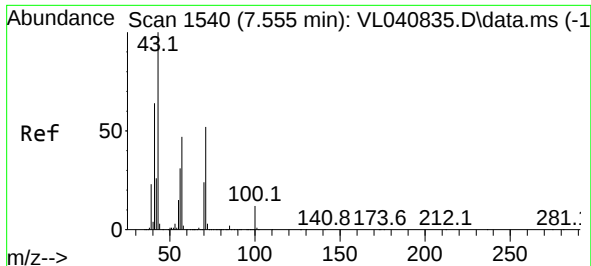
Tgt Ion: 94 Resp: 821
Ion Ratio Lower Upper
94 100
96 20.1 73.0 109.4#



#9
Propene
Concen: 4.263 ppbv
RT: 2.893 min Scan# 90
Delta R.T. 0.206 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion: 41 Resp: 245823
Ion Ratio Lower Upper
41 100
42 76.0 56.5 84.7

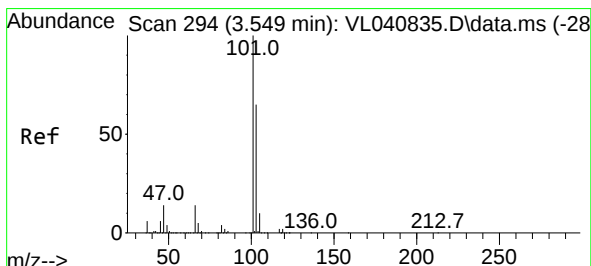
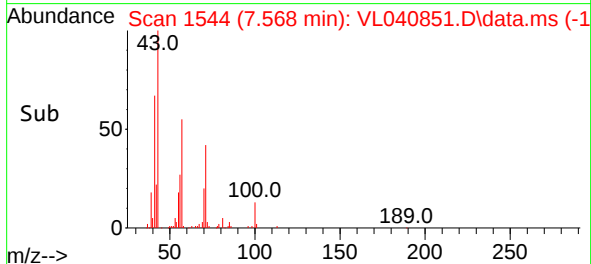
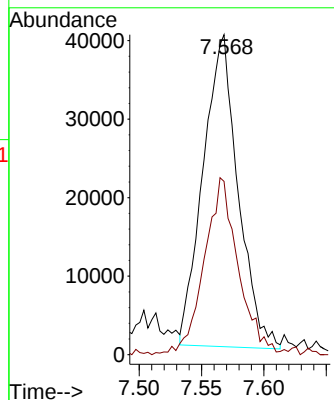
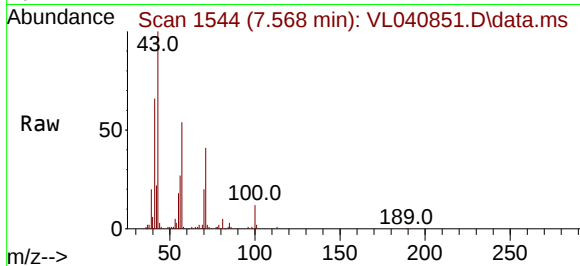




#10
Heptane
Concen: 0.546 ppbv
RT: 7.568 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

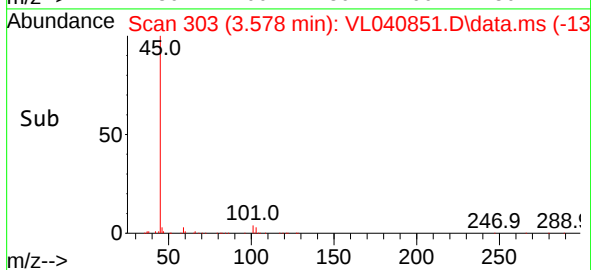
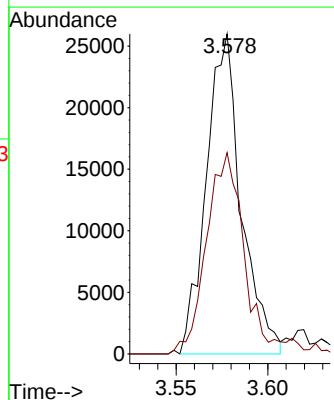
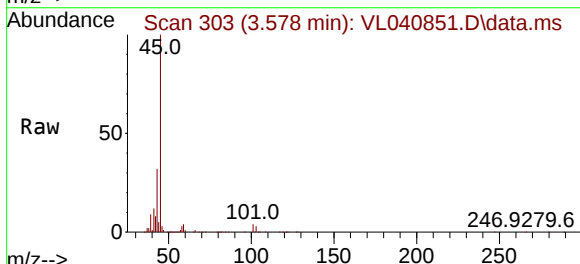
Instrument :
MSVOA_L
ClientSampleId :
IA1

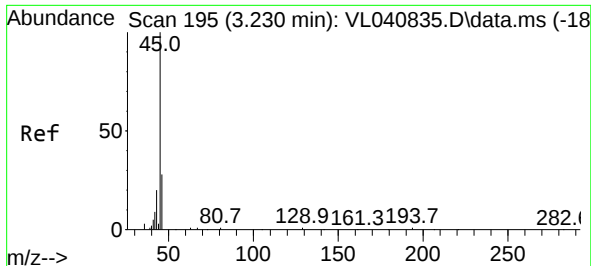
Tgt Ion: 43 Resp: 77466
Ion Ratio Lower Upper
43 100
57 57.2 39.4 59.0



#11
Trichlorofluoromethane
Concen: 0.206 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.029 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion:101 Resp: 34352
Ion Ratio Lower Upper
101 100
103 59.1 51.8 77.8

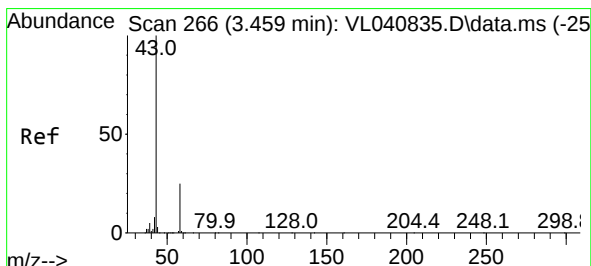
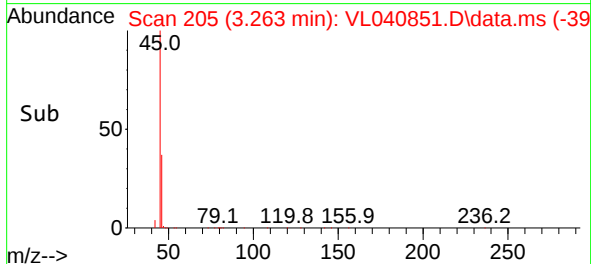
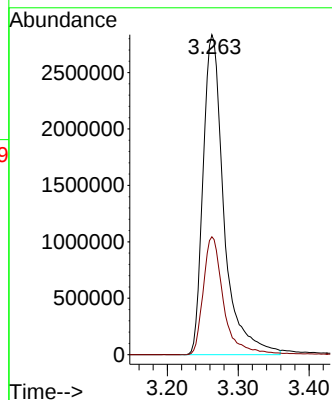
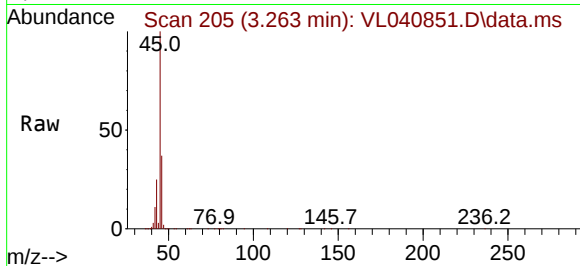




#13
Ethanol
Concen: 516.916 ppbv
RT: 3.263 min Scan# 205
Delta R.T. 0.032 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

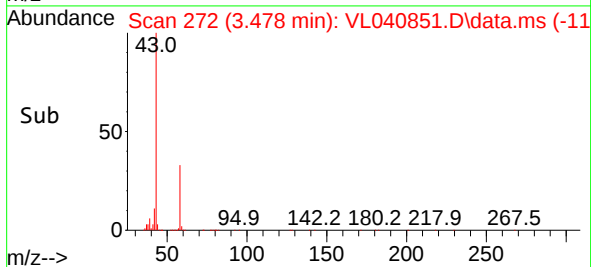
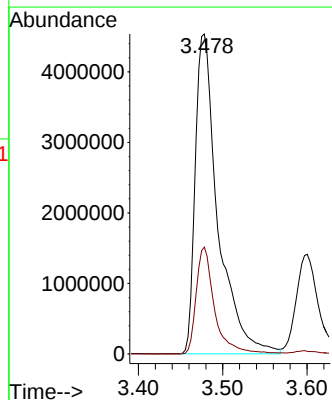
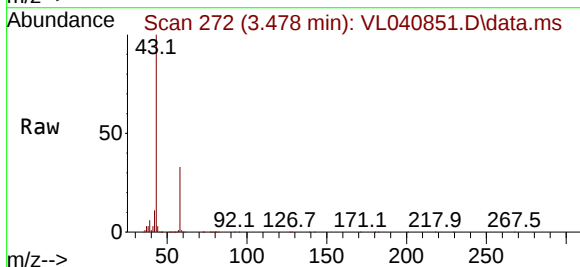
Instrument :
MSVOA_L
ClientSampleId :
IA1

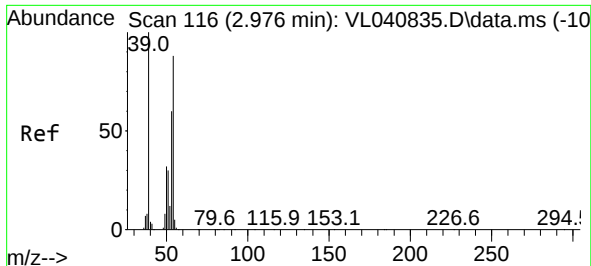
Tgt Ion: 45 Resp: 5788608
Ion Ratio Lower Upper
45 100
46 36.6 0.0 0.0#



#15
Acetone
Concen: 74.236 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.019 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion: 43 Resp: 8474187
Ion Ratio Lower Upper
43 100
58 27.3 20.9 31.3

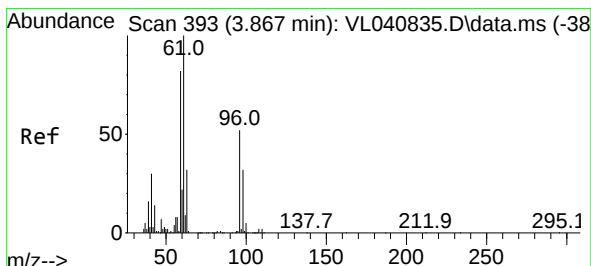
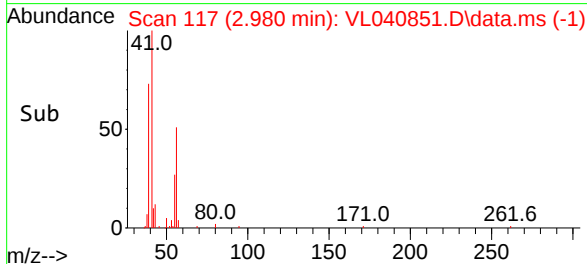
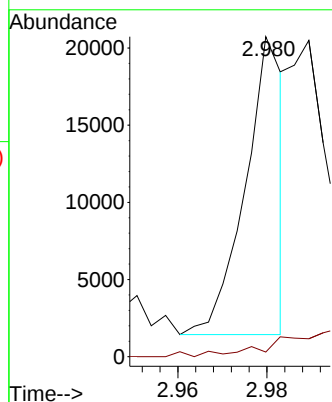
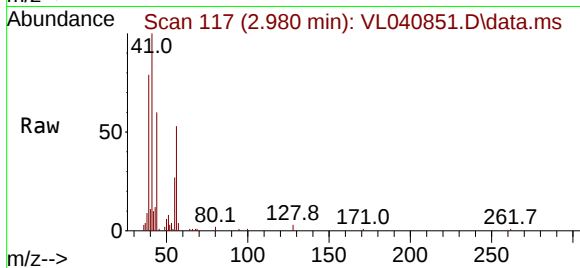




#16
1,3-Butadiene
Concen: 0.199 ppbv
RT: 2.980 min Scan# 116
Delta R.T. 0.003 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

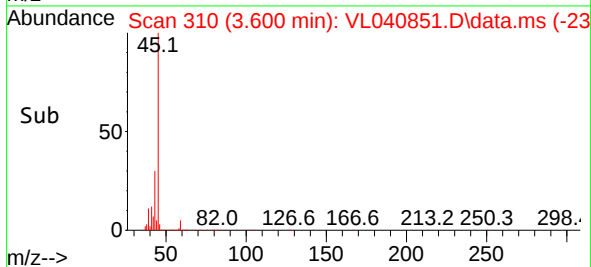
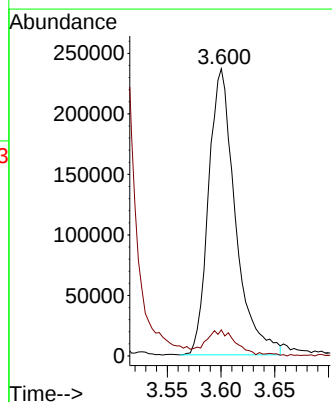
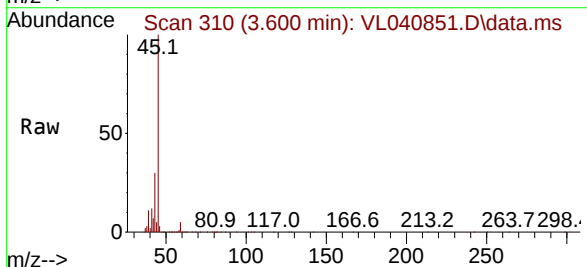
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MSVOA_L
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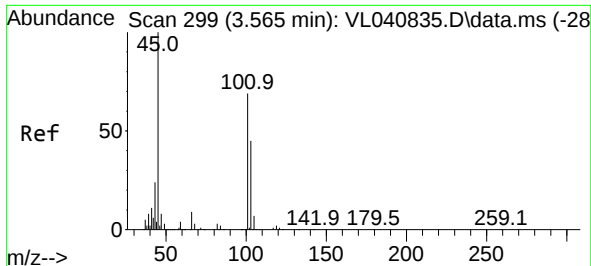
Tgt Ion: 39 Resp: 11482
Ion Ratio Lower Upper
39 100
54 0.0 61.8 92.6#



#17
tert-Butyl alcohol
Concen: 4.195 ppbv
RT: 3.600 min Scan# 310
Delta R.T. -0.267 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion: 59 Resp: 409518
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4





#19

Isopropyl Alcohol

Concen: 143.990 ppbv

RT: 3.600 min Scan# 310

Delta R.T. 0.035 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

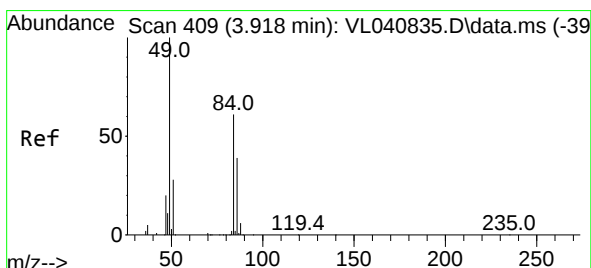
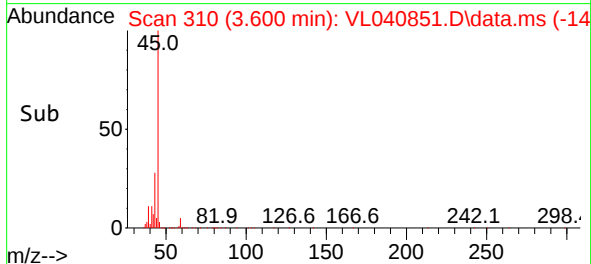
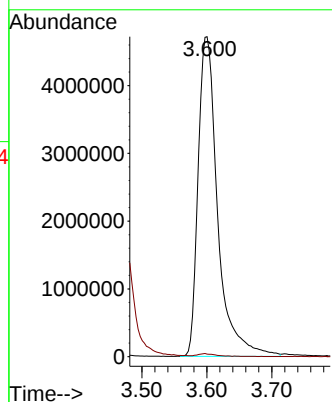
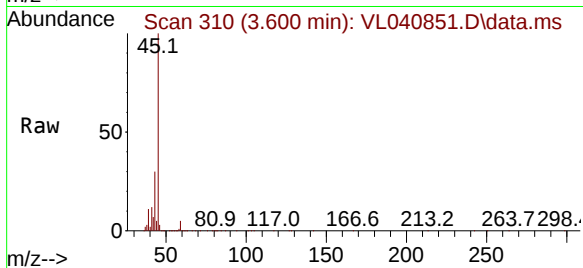
IA1

Tgt Ion: 45 Resp: 9891755

Ion Ratio Lower Upper

45 100

58 1.0 1.6 2.4#



#20

Methylene Chloride

Concen: 23.132 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.023 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Tgt Ion: 84 Resp: 1089721

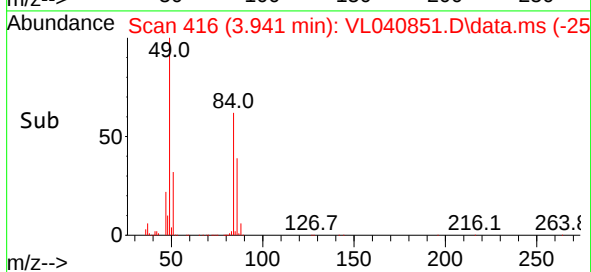
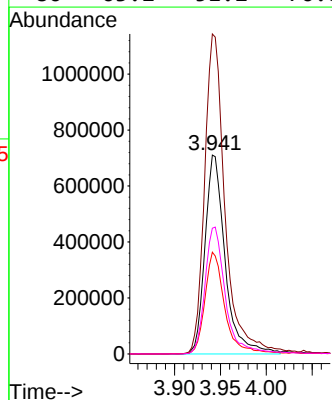
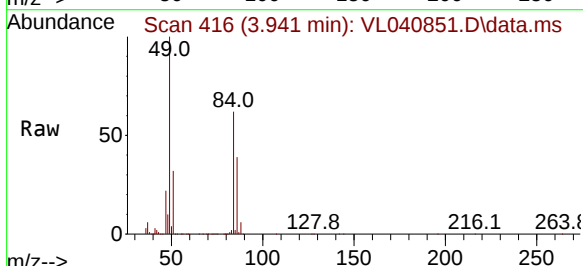
Ion Ratio Lower Upper

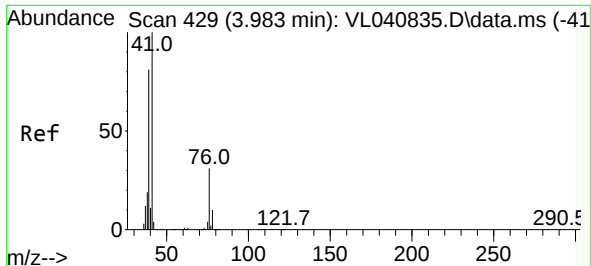
84 100

49 160.9 131.0 196.4

51 51.0 36.9 55.3

86 63.2 51.2 76.8





#21

Allyl Chloride

Concen: 0.615 ppbv

RT: 3.944 min Scan# 41

Delta R.T. -0.038 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

IA1

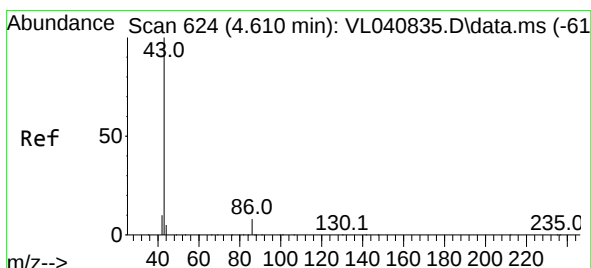
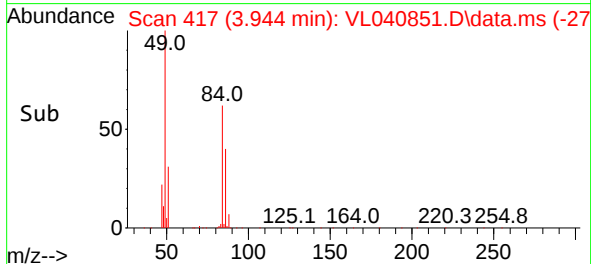
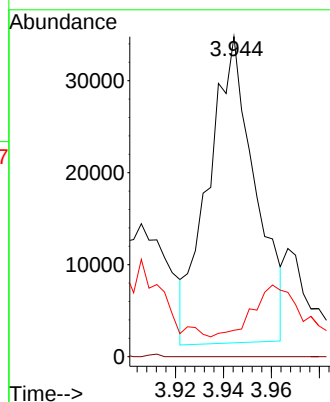
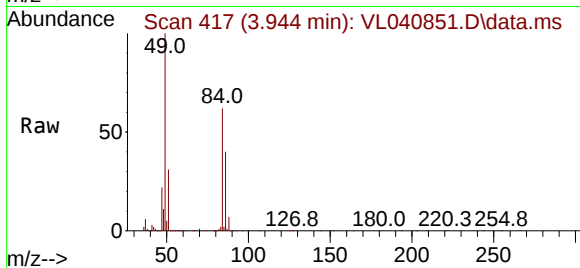
Tgt Ion: 41 Resp: 44897

Ion Ratio Lower Upper

41 100

76 32.1 24.4 36.6

39 0.0 68.1 102.1#



#23

Vinyl Acetate

Concen: 0.891 ppbv

RT: 4.620 min Scan# 627

Delta R.T. 0.010 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Tgt Ion: 43 Resp: 131383

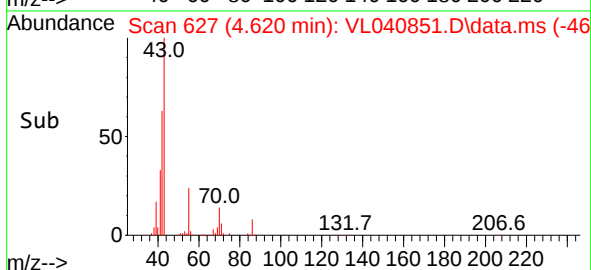
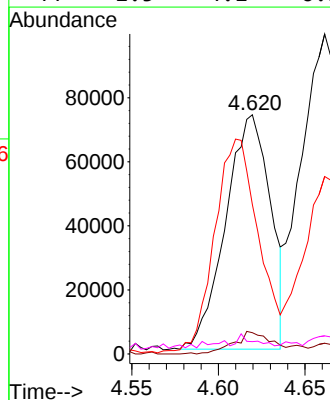
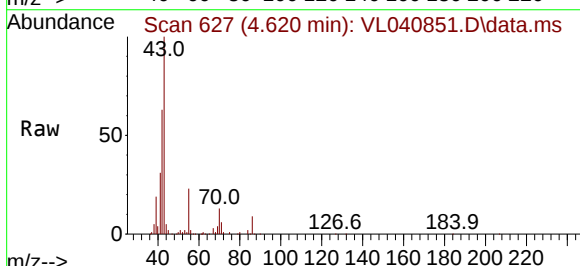
Ion Ratio Lower Upper

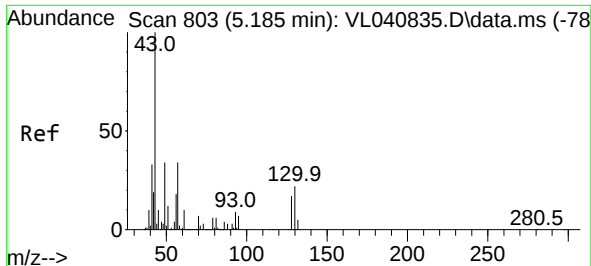
43 100

86 9.1 5.5 8.3#

42 62.0 8.2 12.2#

44 1.5 4.1 6.1#





#25

Ethyl Acetate

Concen: 3.268 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.026 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 43 Resp: 772329

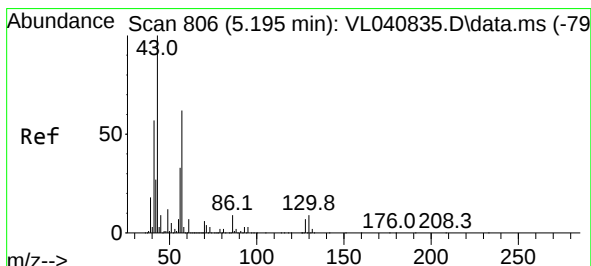
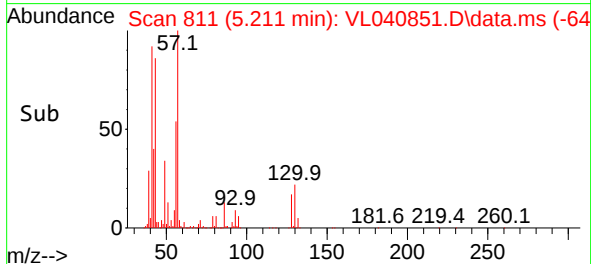
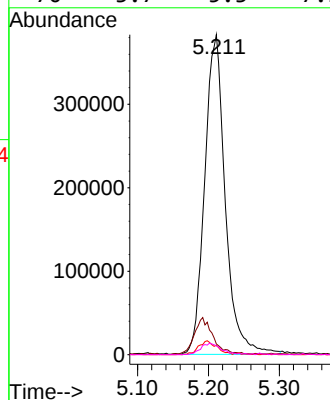
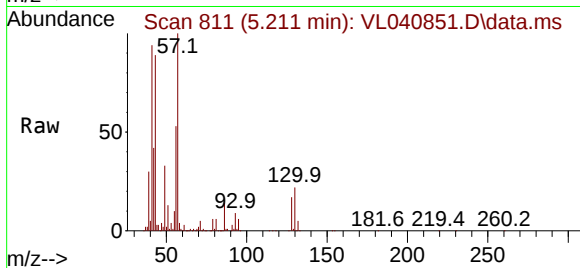
Ion Ratio Lower Upper

43 100

45 10.7 8.1 12.1

61 4.1 7.8 11.6#

70 3.7 5.3 7.9#



#26

Hexane

Concen: 7.511 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.013 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Tgt Ion: 57 Resp: 785752

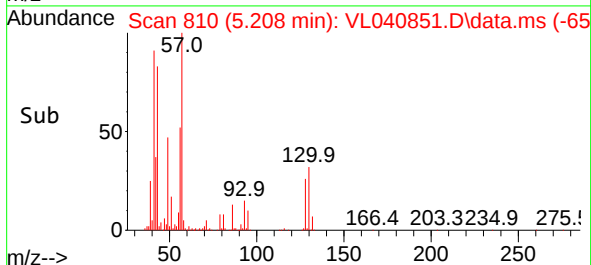
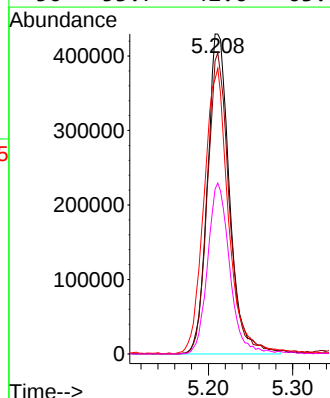
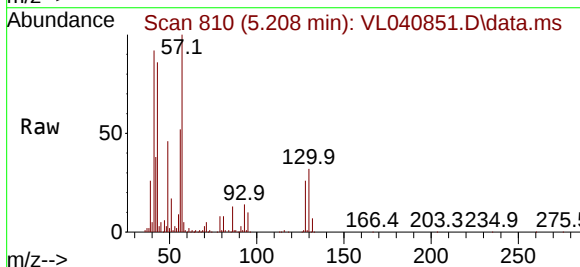
Ion Ratio Lower Upper

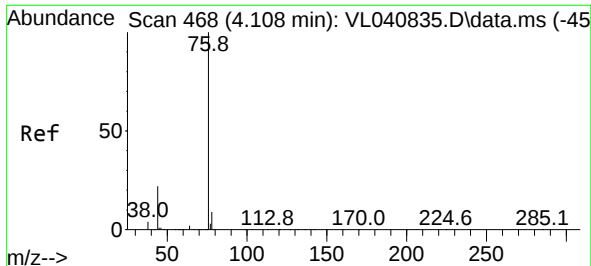
57 100

41 93.3 75.4 113.0

43 98.8 185.9 278.9#

56 53.7 42.6 63.8

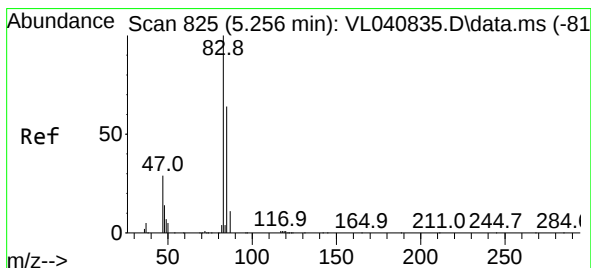
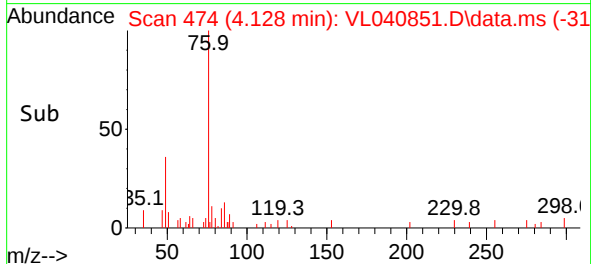
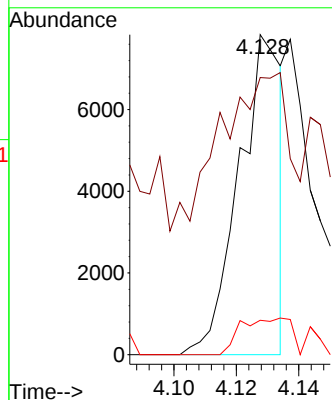
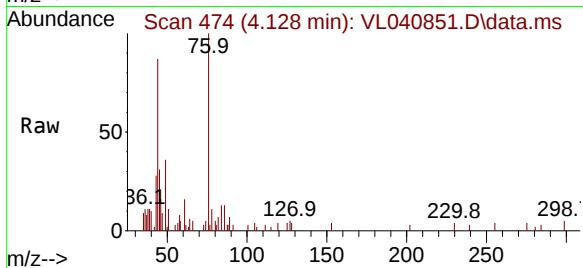




#27
Carbon Disulfide
Concen: 0.055 ppbv
RT: 4.128 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

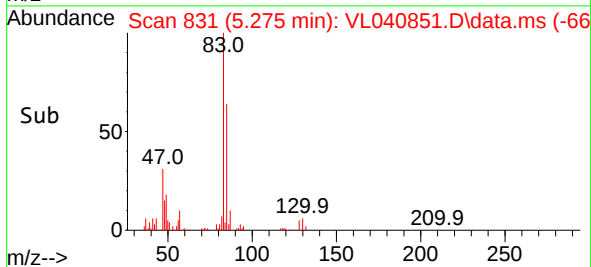
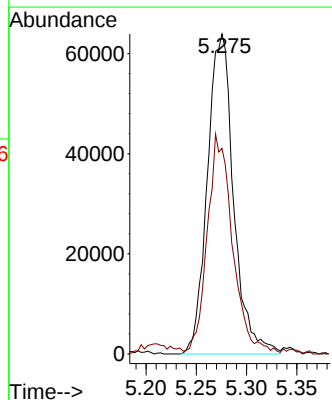
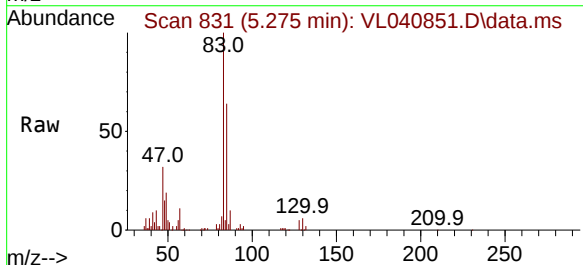
Instrument :
MSVOA_L
ClientSampleId :
IA1

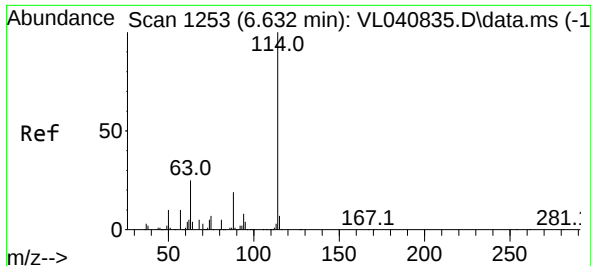
Tgt Ion: 76 Resp: 7347
Ion Ratio Lower Upper
76 100
44 0.0 16.7 25.1#
78 0.0 7.6 11.4#



#29
Chloroform
Concen: 0.655 ppbv
RT: 5.275 min Scan# 831
Delta R.T. 0.019 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion: 83 Resp: 116160
Ion Ratio Lower Upper
83 100
85 63.7 51.4 77.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

IA1

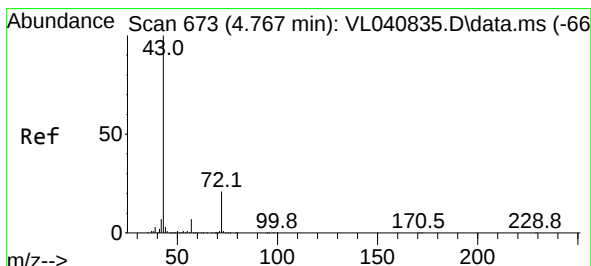
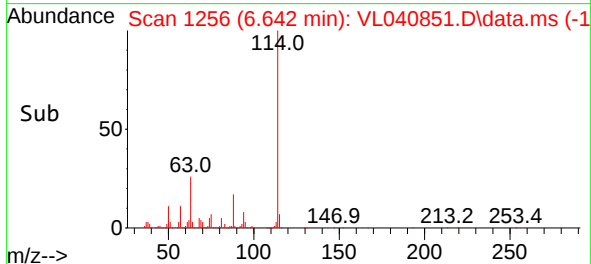
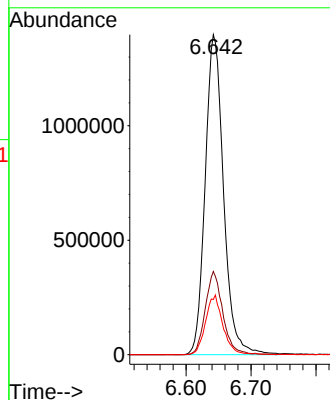
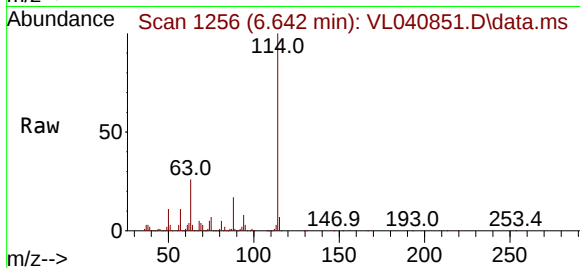
Tgt Ion:114 Resp: 2754327

Ion Ratio Lower Upper

114 100

63 25.1 20.9 31.3

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 2.080 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.023 min

Lab File: VL040851.D

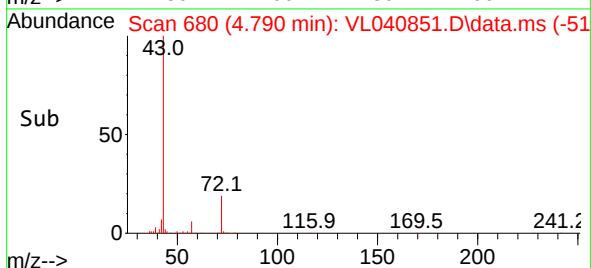
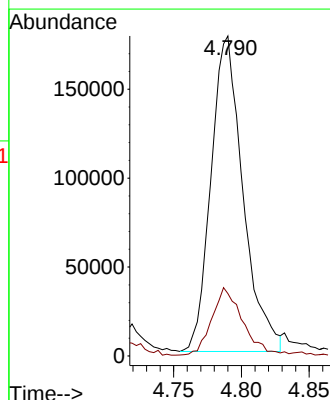
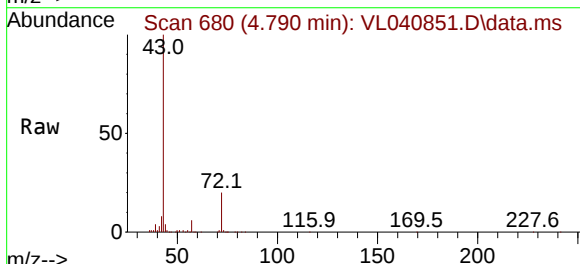
Acq: 14 Nov 2023 15:18

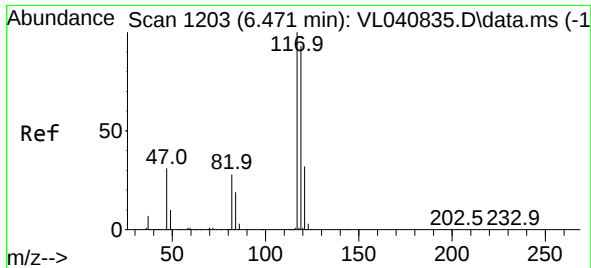
Tgt Ion: 43 Resp: 291865

Ion Ratio Lower Upper

43 100

72 22.2 17.2 25.8

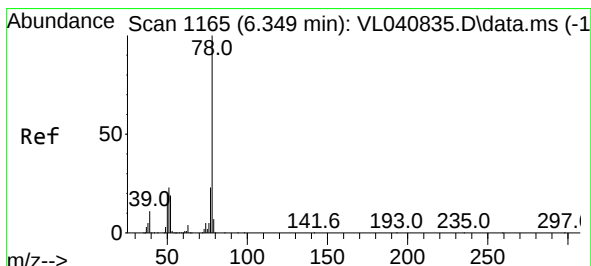
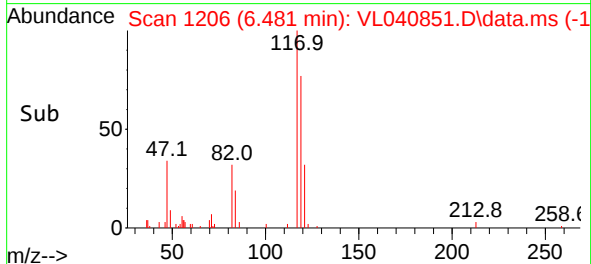
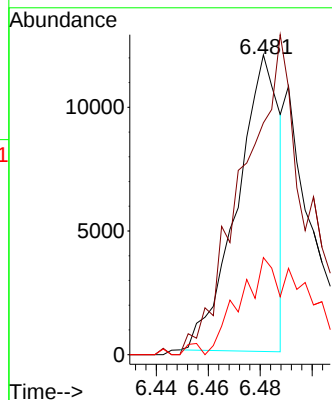
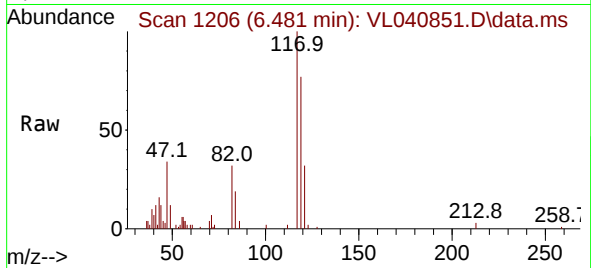




#35
Carbon Tetrachloride
Concen: 0.080 ppbv
RT: 6.481 min Scan# 117
Delta R.T. 0.010 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

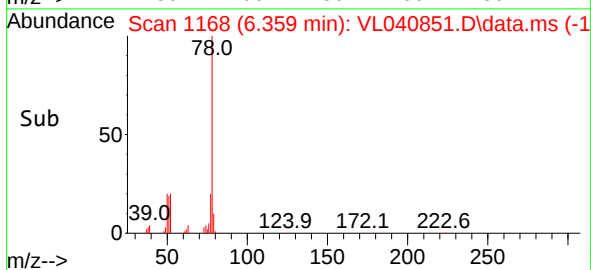
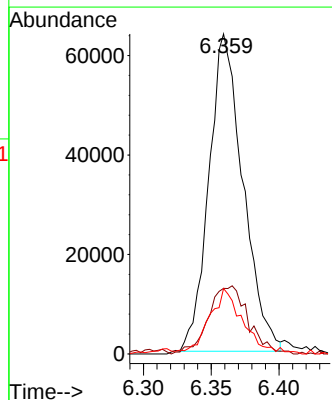
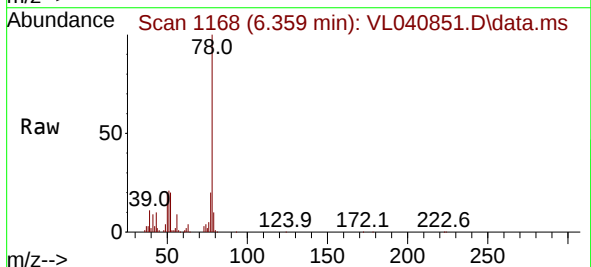
Instrument :
MSVOA_L
ClientSampleId :
IA1

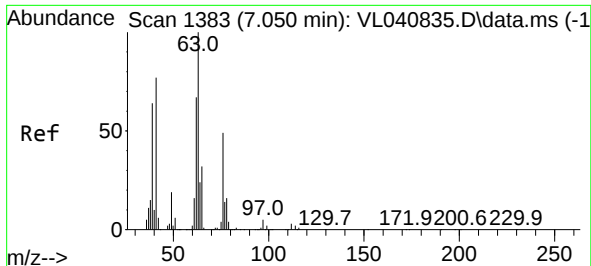
Tgt Ion:117 Resp: 13478
Ion Ratio Lower Upper
117 100
119 78.6 74.7 112.1
121 32.9 25.5 38.3



#36
Benzene
Concen: 0.500 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. 0.010 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion: 78 Resp: 111769
Ion Ratio Lower Upper
78 100
77 20.2 18.4 27.6
50 19.6 16.2 24.2





#39

1,2-Dichloropropane

Concen: 7.683 ppbv

RT: 6.642 min Scan# 1

Delta R.T. -0.408 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

IA1

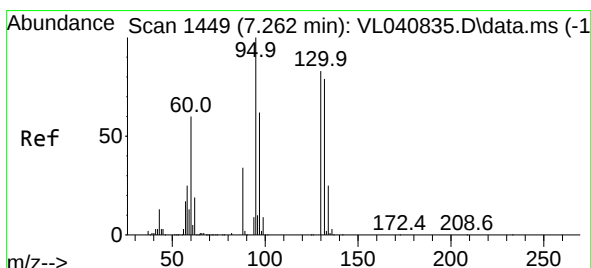
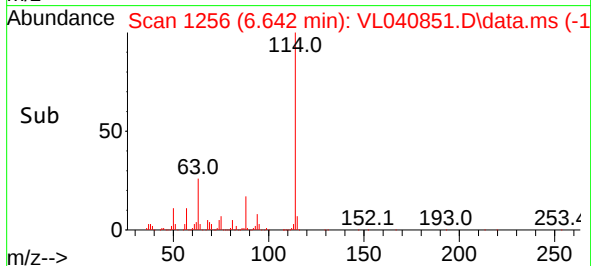
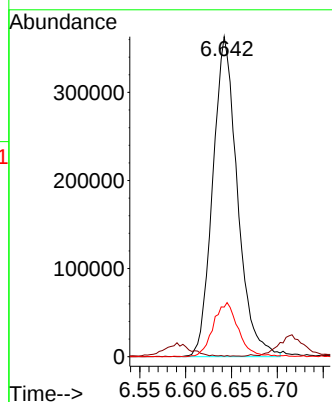
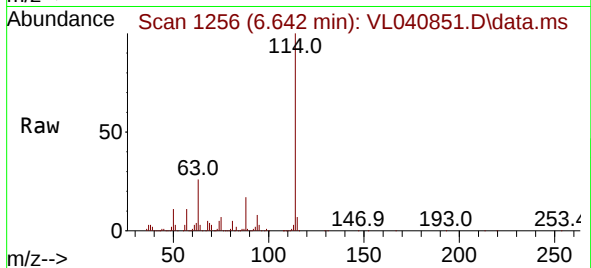
Tgt Ion: 63 Resp: 680920

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 15.4 53.9 80.9#



#40

1,4-Dioxane

Concen: 0.049 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.013 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Tgt Ion: 88 Resp: 1711

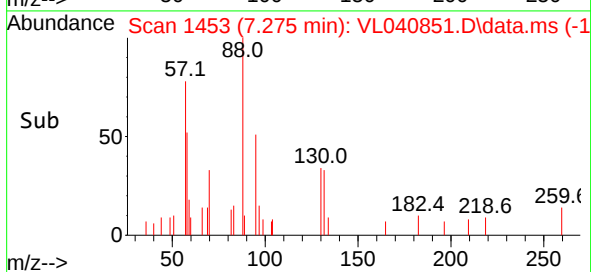
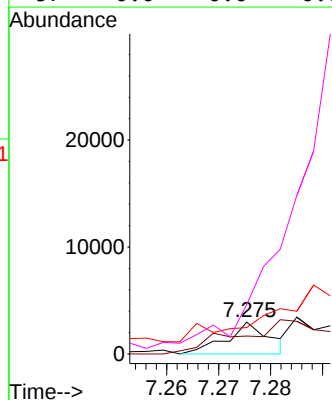
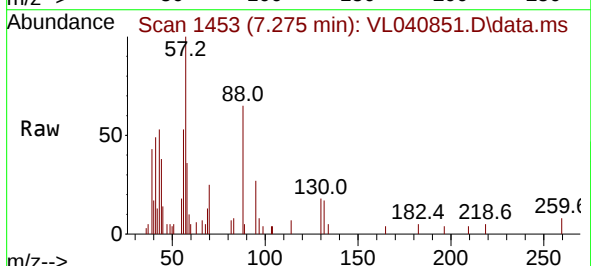
Ion Ratio Lower Upper

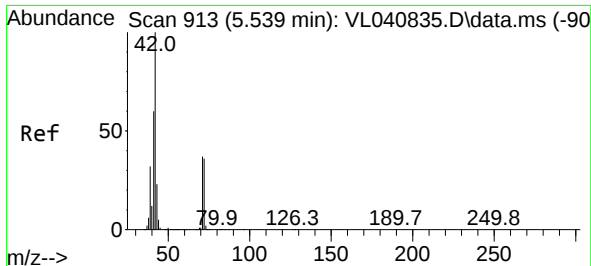
88 100

58 0.0 101.0 151.6#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.043 ppbv

RT: 5.568 min Scan# 913

Delta R.T. 0.029 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

IA1

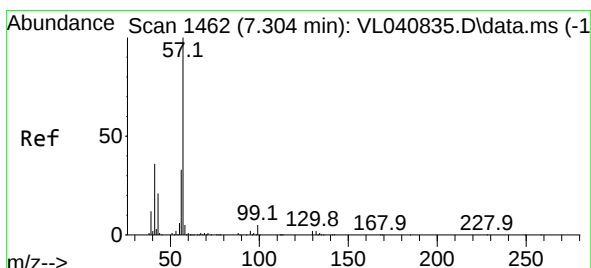
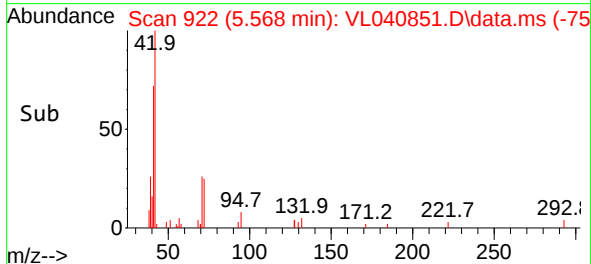
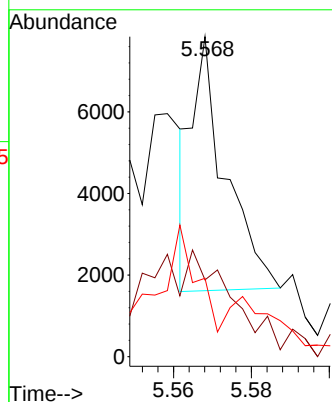
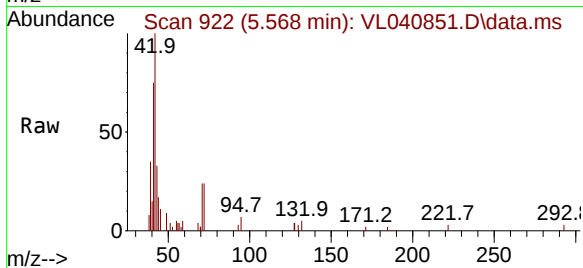
Tgt Ion: 42 Resp: 3676

Ion Ratio Lower Upper

42 100

72 135.6 30.8 46.2#

71 122.5 30.0 45.0#



#44

2,2,4-Trimethylpentane

Concen: 0.459 ppbv

RT: 7.311 min Scan# 1464

Delta R.T. 0.007 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

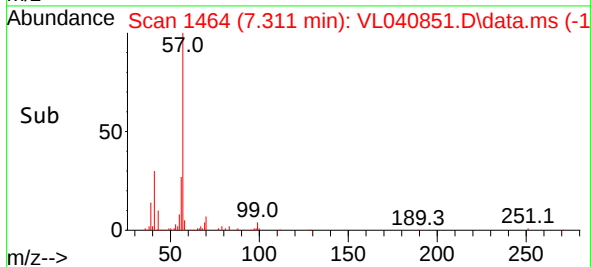
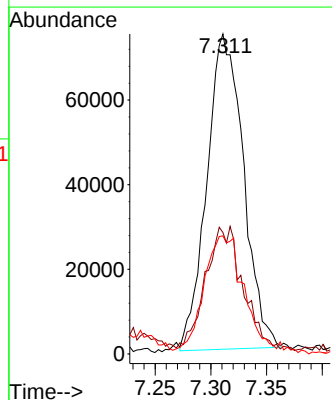
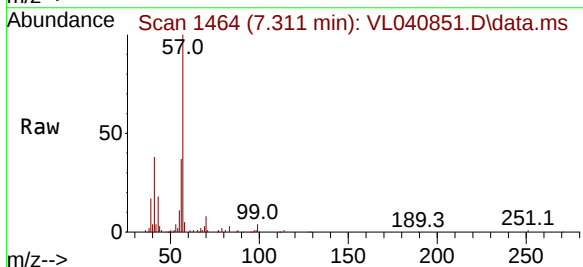
Tgt Ion: 57 Resp: 170468

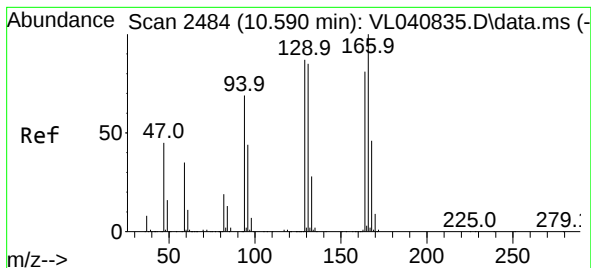
Ion Ratio Lower Upper

57 100

41 42.8 29.0 43.6

56 42.3 25.2 37.8#





#52

Tetrachloroethene

Concen: 0.384 ppbv

RT: 10.594 min Scan# 2484

Delta R.T. 0.003 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:164 Resp: 28907

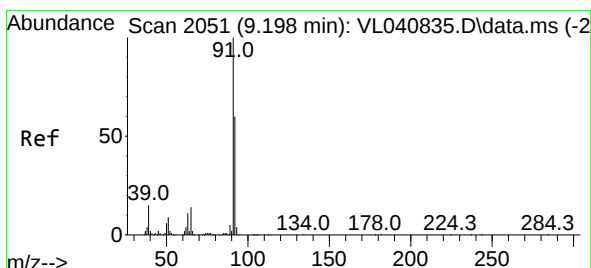
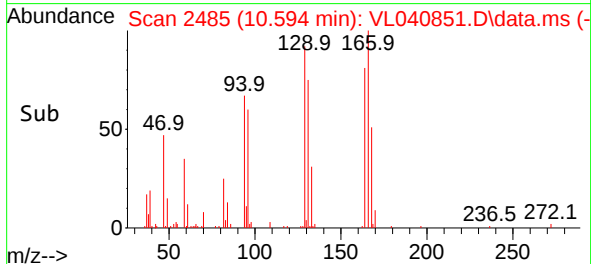
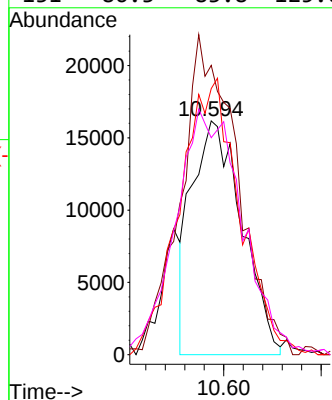
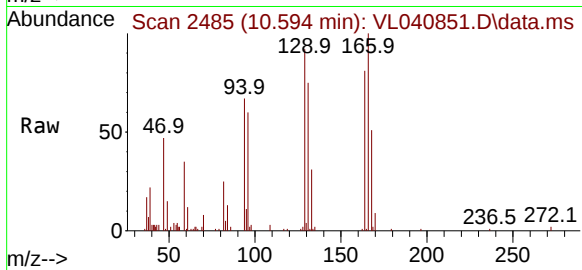
Ion Ratio Lower Upper

164 100

166 119.0 98.3 147.5

129 111.6 85.1 127.7

131 86.3 83.8 125.6



#53

Toluene

Concen: 3.298 ppbv

RT: 9.201 min Scan# 2052

Delta R.T. 0.003 min

Lab File: VL040851.D

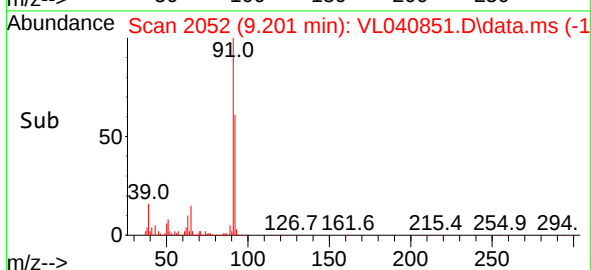
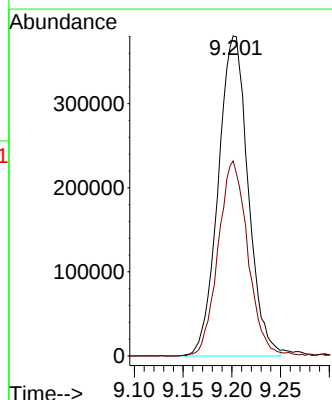
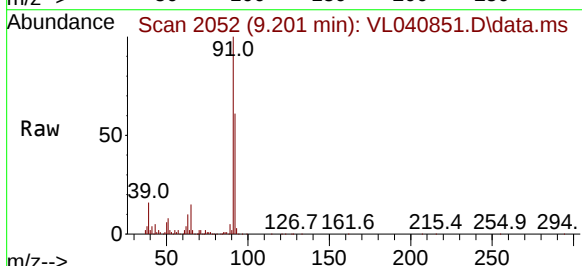
Acq: 14 Nov 2023 15:18

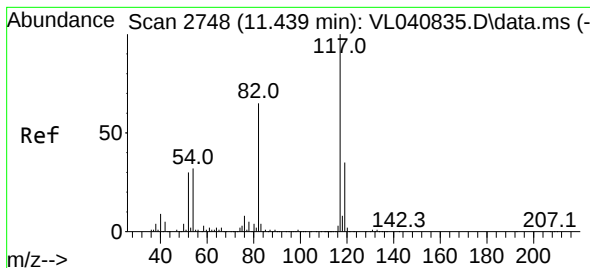
Tgt Ion: 91 Resp: 811365

Ion Ratio Lower Upper

91 100

92 61.0 49.4 74.2

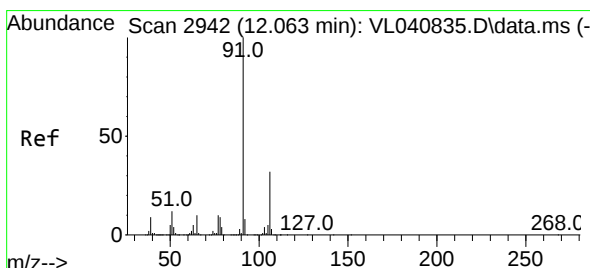
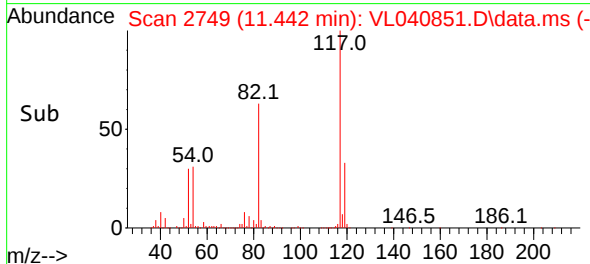
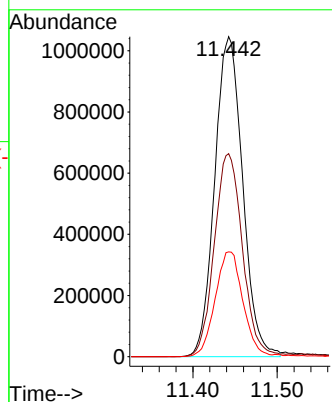
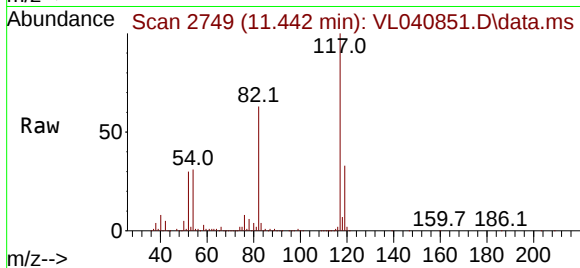




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

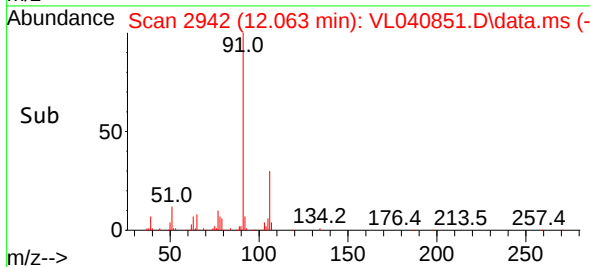
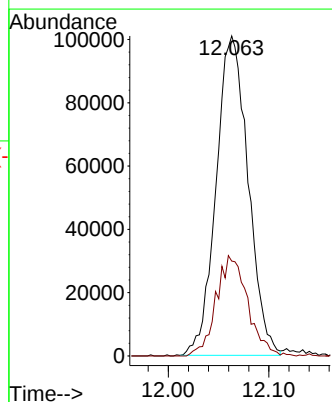
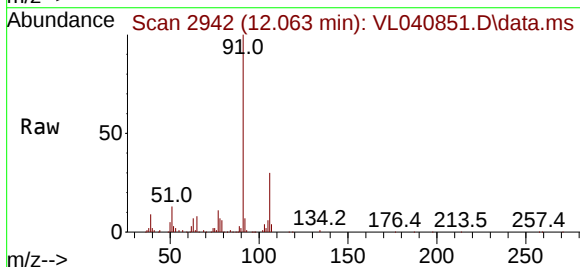
Instrument :
MSVOA_L
ClientSampleId :
IA1

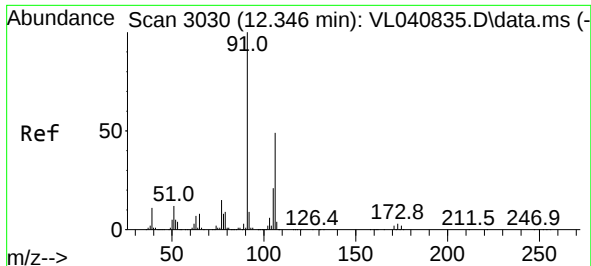
Tgt Ion:117 Resp: 2409227
Ion Ratio Lower Upper
117 100
82 64.2 50.6 75.8
119 33.0 23.3 34.9



#58
Ethyl Benzene
Concen: 0.711 ppbv
RT: 12.063 min Scan# 2942
Delta R.T. 0.000 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion: 91 Resp: 223483
Ion Ratio Lower Upper
91 100
106 29.7 25.2 37.8





#59

m/p-Xylene

Concen: 1.861 ppbv

RT: 12.317 min Scan# 3030

Delta R.T. -0.029 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

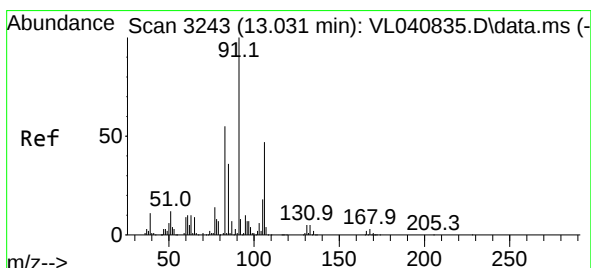
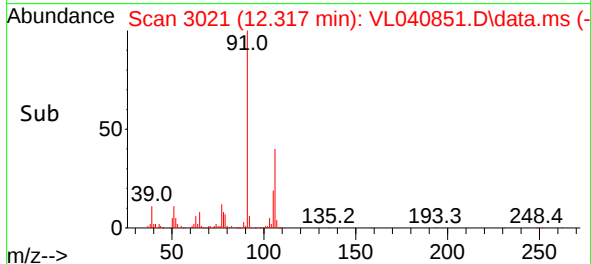
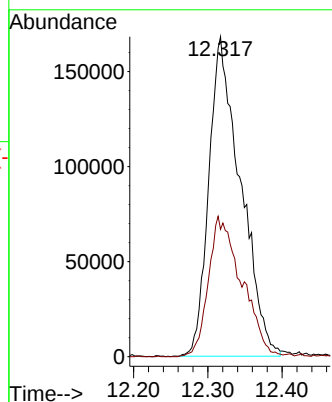
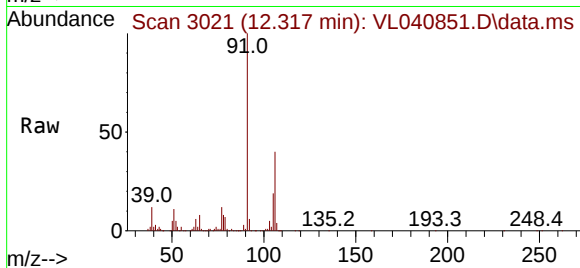
IA1

Tgt Ion: 91 Resp: 498251

Ion Ratio Lower Upper

91 100

106 46.4 35.4 53.0



#60

o-Xylene

Concen: 0.777 ppbv

RT: 13.031 min Scan# 3243

Delta R.T. 0.000 min

Lab File: VL040851.D

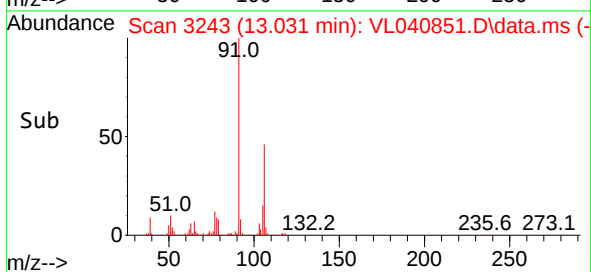
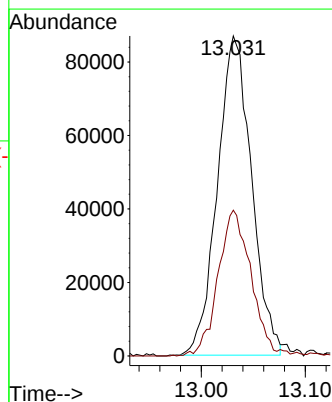
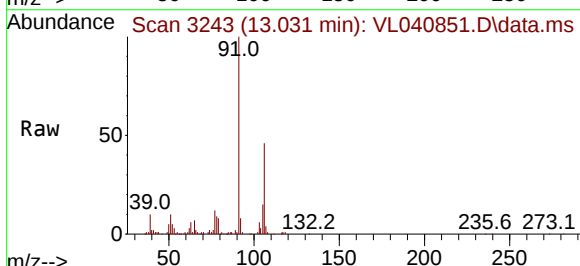
Acq: 14 Nov 2023 15:18

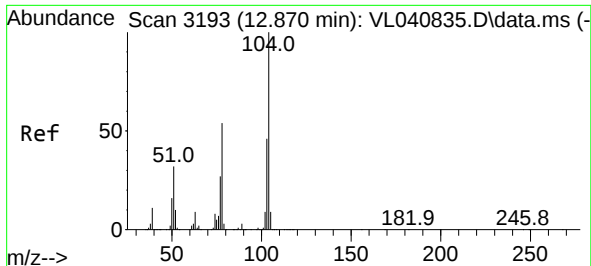
Tgt Ion: 91 Resp: 198011

Ion Ratio Lower Upper

91 100

106 44.8 22.9 68.5

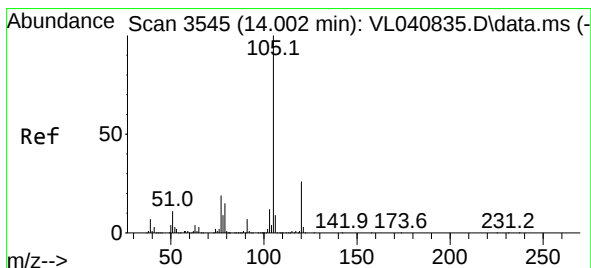
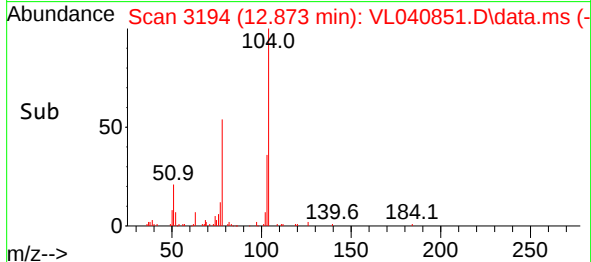
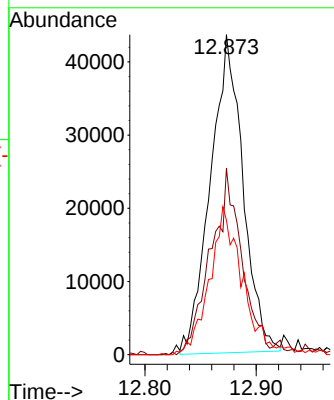
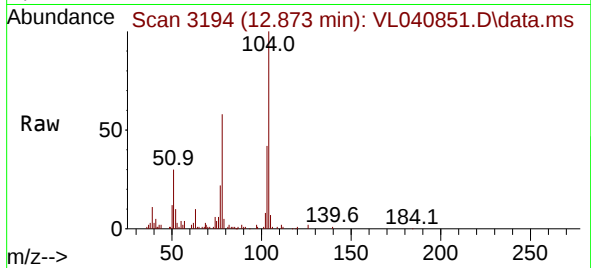




#61
Styrene
Concen: 0.716 ppbv
RT: 12.873 min Scan# 3194
Delta R.T. 0.003 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

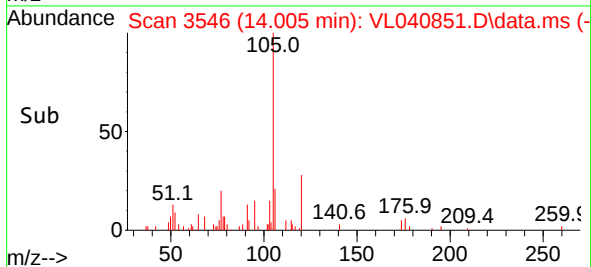
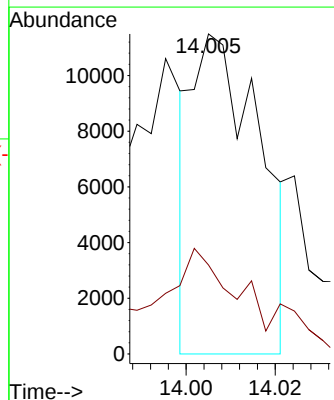
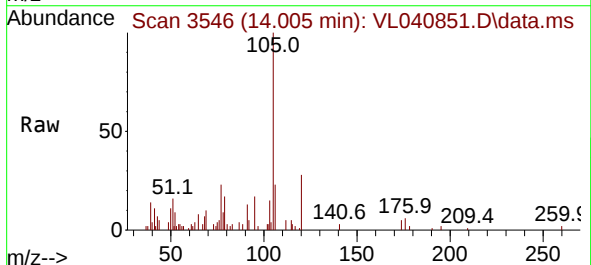
Instrument :
MSVOA_L
ClientSampleId :
IA1

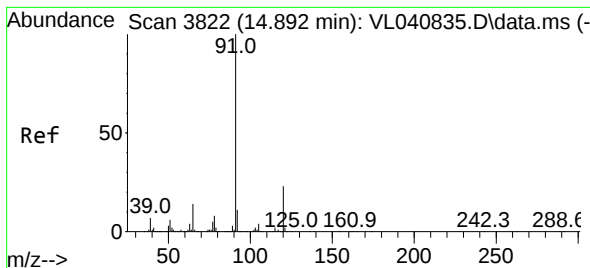
Tgt Ion:104 Resp: 88001
Ion Ratio Lower Upper
104 100
78 57.0 43.3 64.9
103 47.5 37.6 56.4



#62
Isopropylbenzene
Concen: 0.032 ppbv
RT: 14.005 min Scan# 3546
Delta R.T. 0.003 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion:105 Resp: 12069
Ion Ratio Lower Upper
105 100
120 54.2 20.7 31.1#





#64

n-propylbenzene

Concen: 0.042 ppbv

RT: 14.892 min Scan# 3822

Delta R.T. 0.000 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

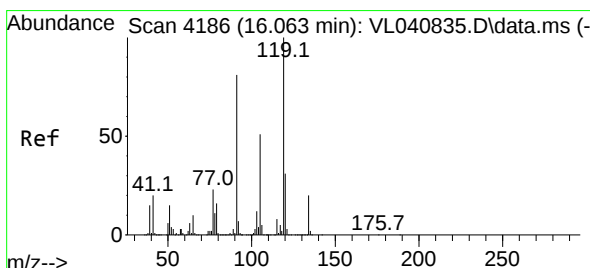
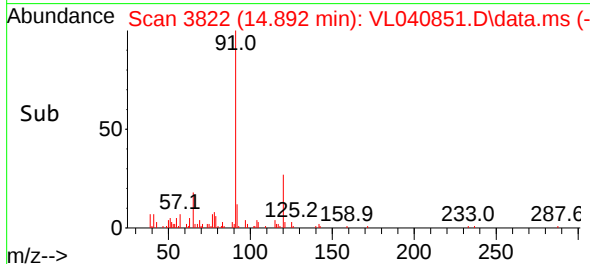
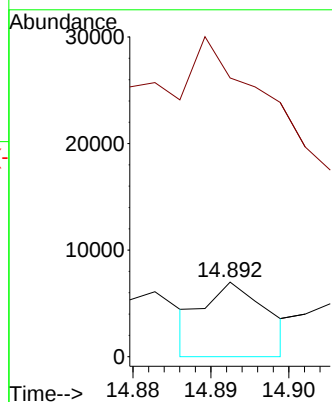
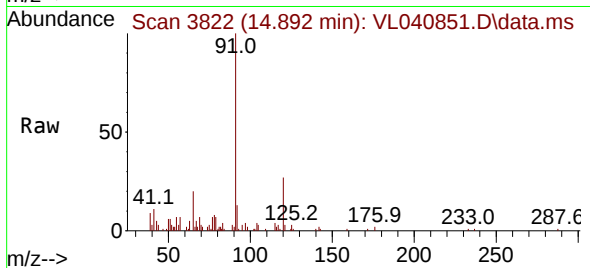
IA1

Tgt Ion:120 Resp: 3920

Ion Ratio Lower Upper

120 100

91 1808.3 381.1 571.7#



#65

tert-Butylbenzene

Concen: 0.032 ppbv

RT: 16.072 min Scan# 4189

Delta R.T. 0.010 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

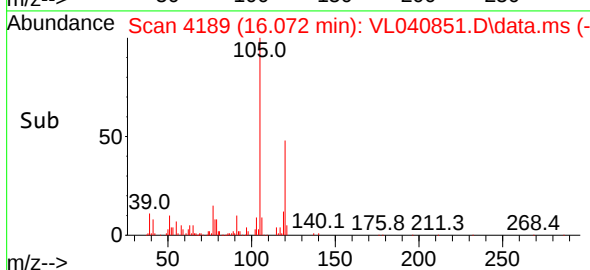
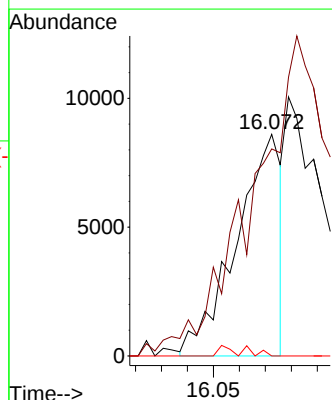
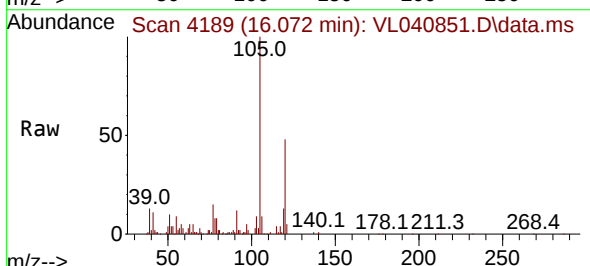
Tgt Ion:119 Resp: 10245

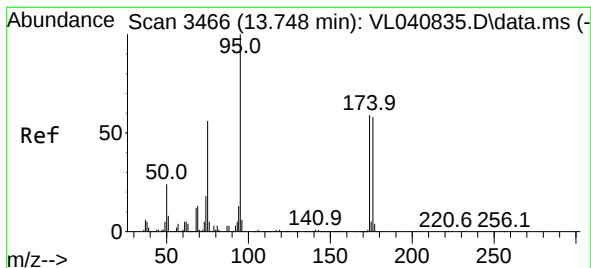
Ion Ratio Lower Upper

119 100

91 0.0 67.5 101.3#

134 2.4 15.9 23.9#

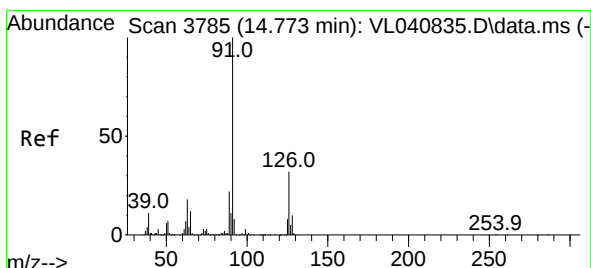
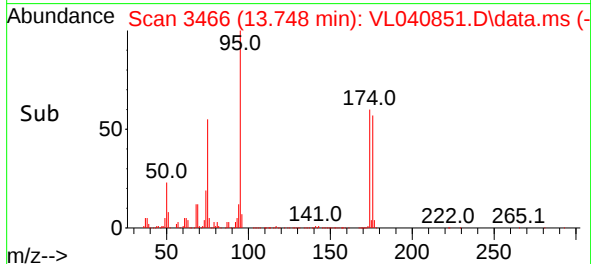
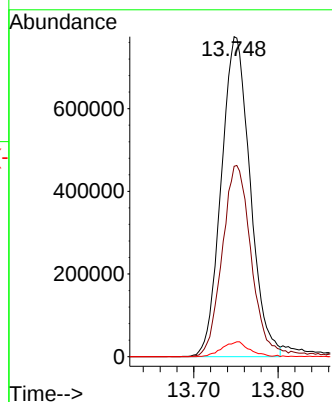
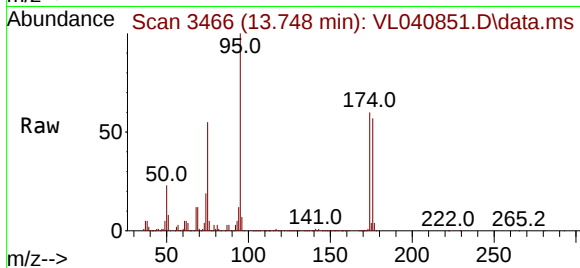




#68
1-Bromo-4-Fluorobenzene
Concen: 9.768 ppbv
RT: 13.748 min Scan# 3466
Delta R.T. 0.000 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

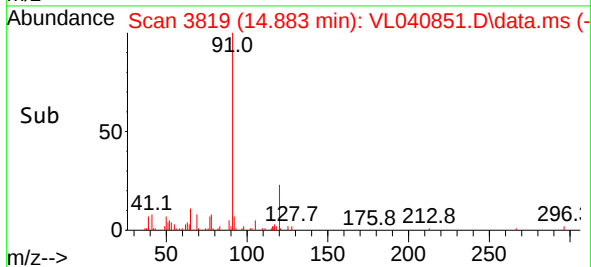
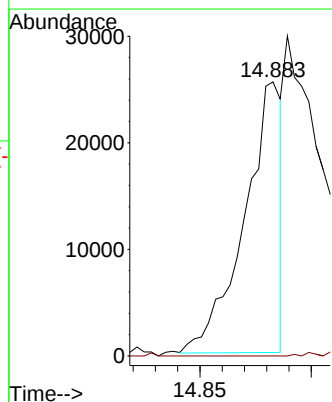
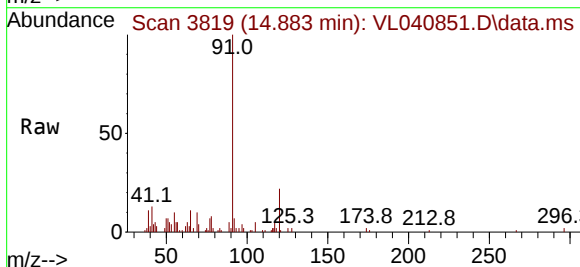
Instrument :
MSVOA_L
ClientSampleId :
IA1

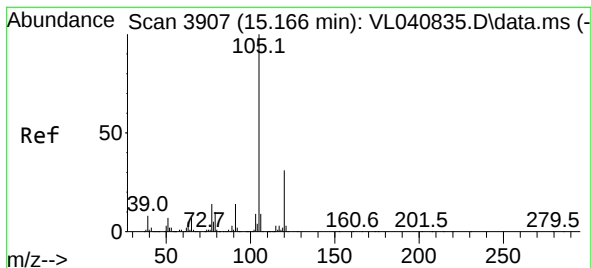
Tgt Ion: 95 Resp: 1842404
Ion Ratio Lower Upper
95 100
174 61.9 47.5 71.3
175 4.5 3.6 5.4



#71
2-Chlorotoluene
Concen: 0.103 ppbv
RT: 14.883 min Scan# 3819
Delta R.T. 0.109 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion: 91 Resp: 29431
Ion Ratio Lower Upper
91 100
126 0.7 12.1 48.5#

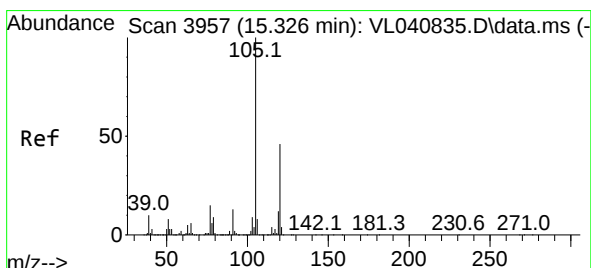
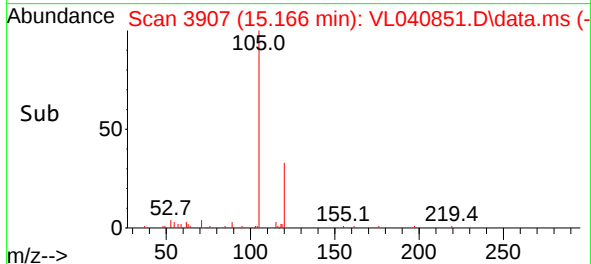
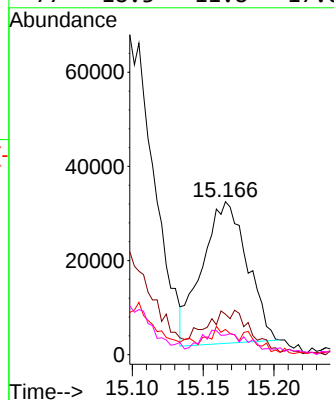
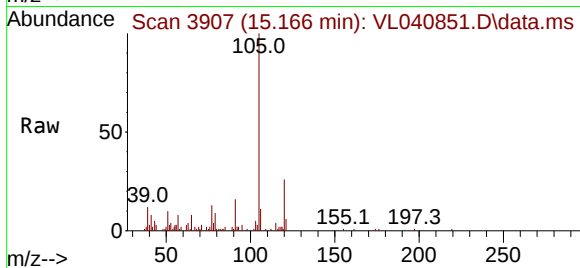




#72
4-Ethyltoluene
Concen: 0.238 ppbv
RT: 15.166 min Scan# 3907
Delta R.T. 0.000 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

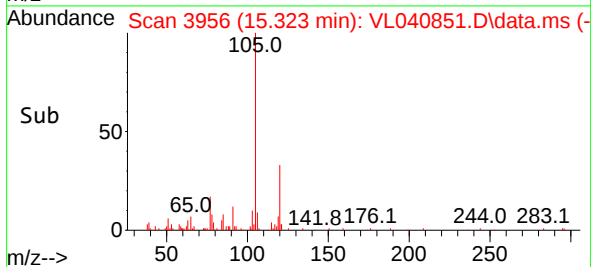
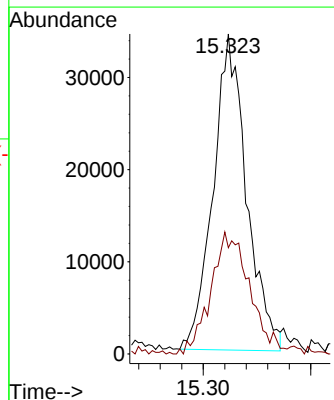
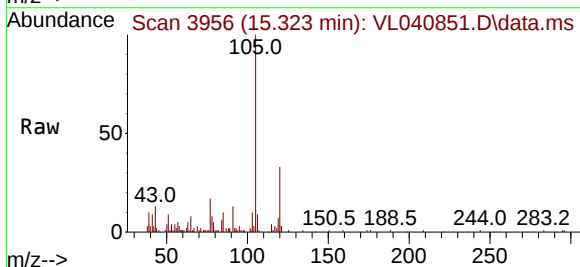
Instrument :
MSVOA_L
ClientSampleId :
IA1

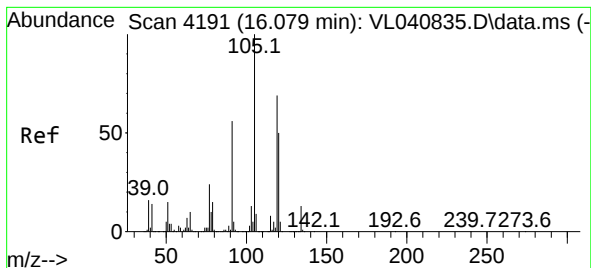
Tgt Ion:	105	Resp:	66599
Ion Ratio	Lower	Upper	
105	100		
120	35.1	24.5	36.7
91	20.1	10.6	16.0#
77	18.3	11.8	17.6#



#73
1,3,5-Trimethylbenzene
Concen: 0.298 ppbv
RT: 15.323 min Scan# 3956
Delta R.T. -0.003 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion:	105	Resp:	73948
Ion Ratio	Lower	Upper	
105	100		
120	35.5	36.8	55.2#





#74

1,2,4-Trimethylbenzene

Concen: 0.736 ppbv

RT: 16.079 min Scan# 4191

Delta R.T. 0.000 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:105 Resp: 203411

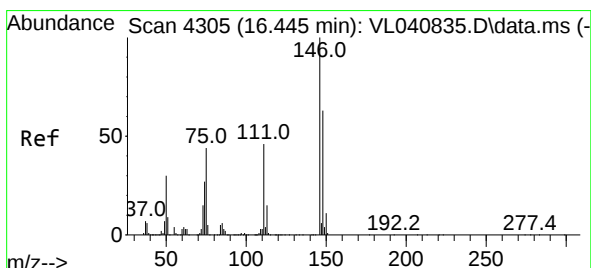
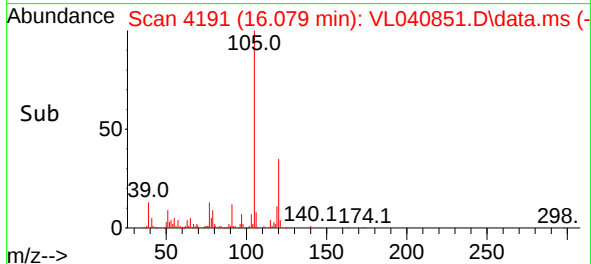
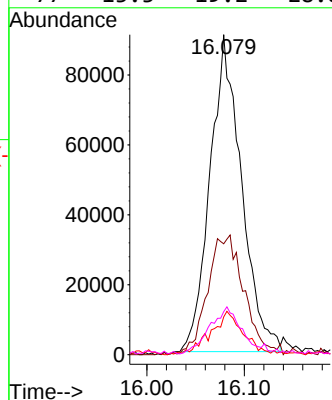
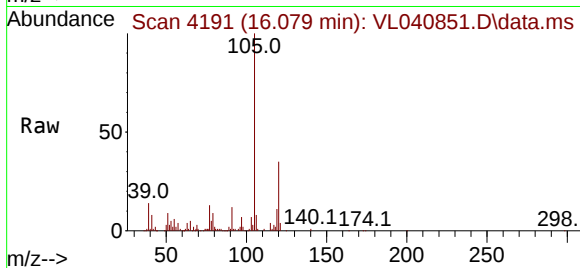
Ion Ratio Lower Upper

105 100

120 33.9 40.2 60.2#

91 11.1 45.7 68.5#

77 13.3 19.2 28.8#



#76

1,4-Dichlorobenzene

Concen: 0.044 ppbv

RT: 16.449 min Scan# 4306

Delta R.T. 0.003 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Tgt Ion:146 Resp: 6385

Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.4#

148 0.0 32.3 96.9#

