

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040390.D
 Acq On : 19 Apr 2023 21:45
 Operator : SY/MD
 Sample : 02410-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 20 07:48:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1066389	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.639	114	2791780	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.459	117	2574910	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2174056	10.210	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	27502	0.143	ppbv	98
3) Chlorodifluoromethane	2.655	51	13964	0.100	ppbv	93
4) Chloromethane	2.793	50	21722	0.247	ppbv	90
7) Chloroethane	3.176	64	8471	0.308	ppbv	98
9) Propene	2.851	41	6610384	120.078	ppbv	99
10) Heptane	7.565	43	140508	1.123	ppbv	95
11) Trichlorofluoromethane	3.542	101	74849	0.385	ppbv	97
13) Ethanol	3.224	45	7435	1.618	ppbv #	10
15) Acetone	3.446	43	753978	4.992	ppbv #	47
16) 1,3-Butadiene	2.948	39	643913	10.302	ppbv #	23
17) tert-Butyl alcohol	3.874	59	29802	0.215	ppbv #	72
19) Isopropyl Alcohol	3.555	45	4845	0.070	ppbv #	90
20) Methylene Chloride	3.915	84	25733	0.427	ppbv	92
21) Allyl Chloride	3.935	41	104912	1.222	ppbv #	39
23) Vinyl Acetate	4.594	43	270516	7.034	ppbv #	1
25) Ethyl Acetate	5.198	43	448539	1.765	ppbv #	76
26) Hexane	5.198	57	667237	6.227	ppbv #	37
27) Carbon Disulfide	4.108	76	127858	0.922	ppbv	97
29) Chloroform	5.253	83	17988	0.094	ppbv	91
30) Cyclohexane	6.584	84	96306	1.161	ppbv #	41
34) 2-Butanone	4.767	43	616519	4.095	ppbv	97
36) Benzene	6.356	78	608309	2.671	ppbv	99
39) 1,2-Dichloropropane	6.639	63	671812	7.496	ppbv #	25
41) Tetrahydrofuran	5.607	42	2604	0.032	ppbv #	1
42) Bromodichloromethane	7.243	83	6657	0.033	ppbv #	38
44) 2,2,4-Trimethylpentane	7.314	57	213490	0.561	ppbv #	47
50) 4-Methyl-2-Pentanone	8.189	43	29173	0.128	ppbv #	64
51) 2-Hexanone	9.533	43	32202	0.191	ppbv #	30
52) Tetrachloroethene	10.597	164	5689	0.080	ppbv #	77
53) Toluene	9.211	91	416679	1.726	ppbv	99
57) Chlorobenzene	11.516	112	9626	0.048	ppbv #	24
58) Ethyl Benzene	12.079	91	168383	0.532	ppbv	94
59) m/p-Xylene	12.333	91	383572	1.317	ppbv	96
60) o-Xylene	13.050	91	279009	0.998	ppbv	98
61) Styrene	12.886	104	9844	0.070	ppbv #	27
62) Isopropylbenzene	14.018	105	19271	0.048	ppbv #	50
64) n-propylbenzene	14.905	120	12001	0.121	ppbv #	1
65) tert-Butylbenzene	16.085	119	12430	0.035	ppbv #	18
66) Benzyl Chloride	16.310	91	780	0.036	ppbv #	69
67) sec-Butylbenzene	16.632	105	46769	0.092	ppbv	95
71) 2-Chlorotoluene	15.111	91	34522	0.112	ppbv	86
72) 4-Ethyltoluene	15.182	105	52338	0.170	ppbv #	55
73) 1,3,5-Trimethylbenzene	15.346	105	274591	0.963	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
Data File : VL040390.D
Acq On : 19 Apr 2023 21:45
Operator : SY/MD
Sample : 02410-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 20 07:48:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.105	105	307969	0.945	ppbv	# 65

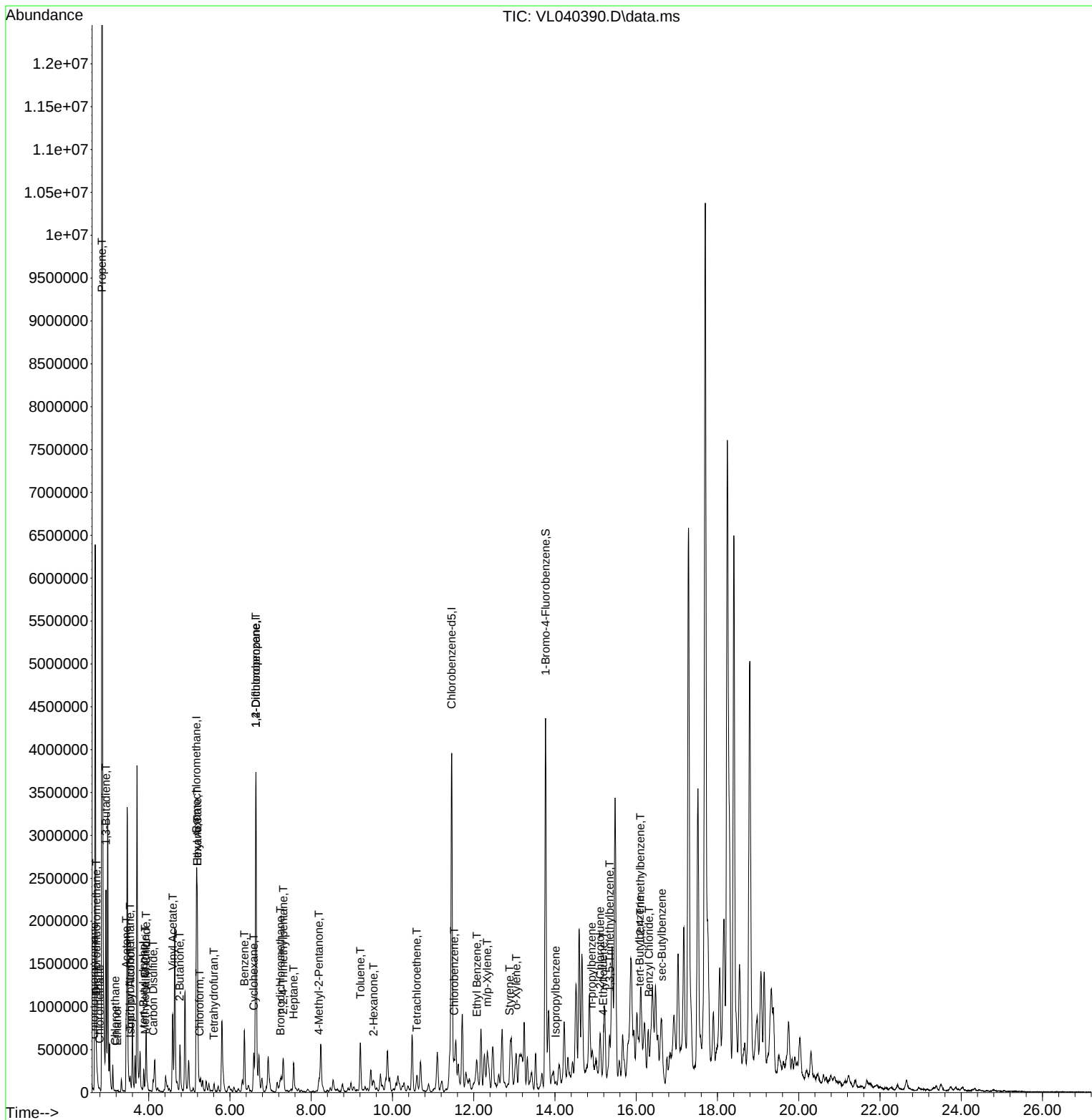
(#) = qualifier out of range (m) = manual integration (+) = signals summed

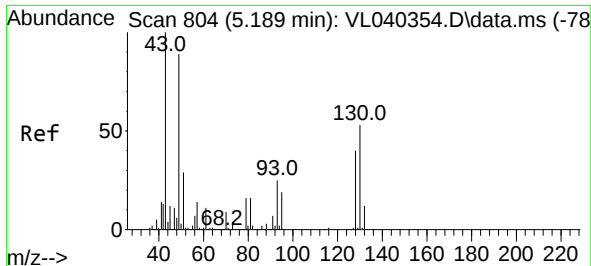
Instrument :

MSVOA_L

ClientSampleId :

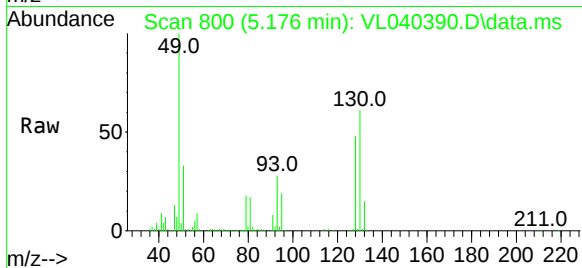
Quant Time: Apr 20 07:48:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration



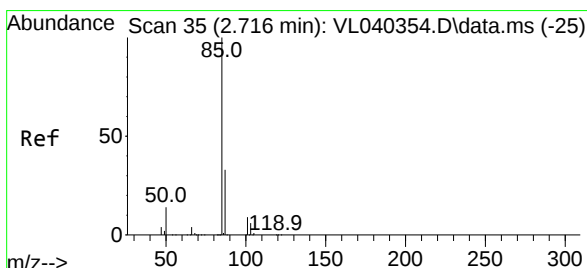
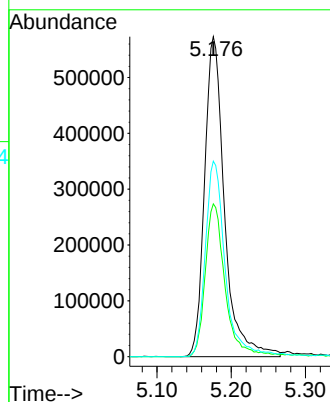
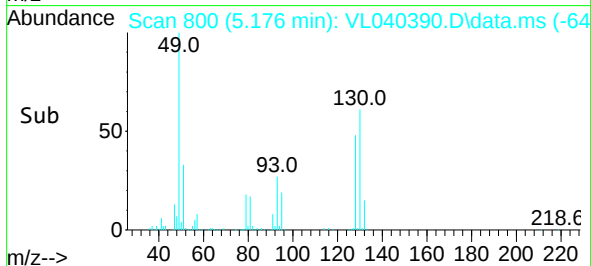


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 80
 Delta R.T. -0.013 min
 Lab File: VL040390.D
 Acq: 19 Apr 2023 21:45

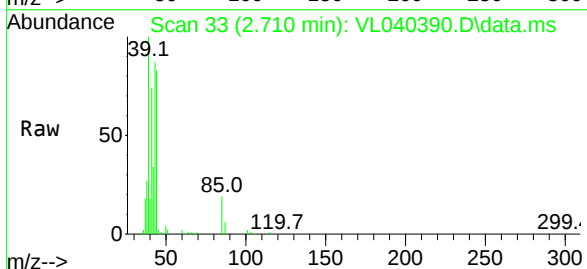
Instrument :
 MSVOA_L
 ClientSampleId :



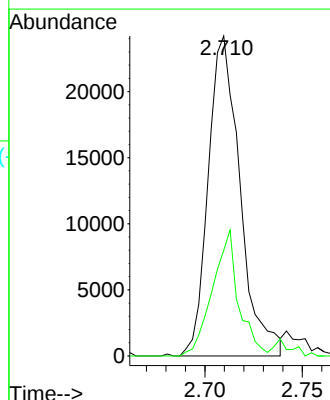
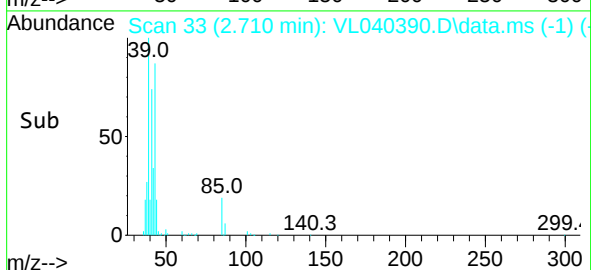
Tgt Ion: 49 Resp: 1066389
 Ion Ratio Lower Upper
 49 100
 128 48.6 23.7 71.1
 130 61.2 29.9 89.8

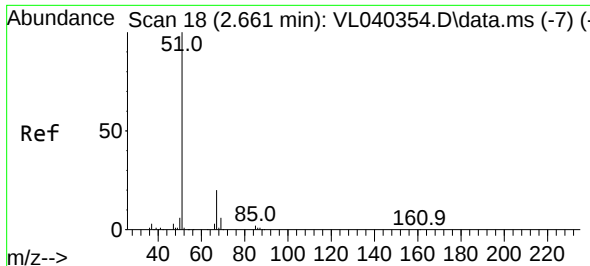


#2
 Dichlorodifluoromethane
 Concen: 0.143 ppbv
 RT: 2.710 min Scan# 33
 Delta R.T. -0.006 min
 Lab File: VL040390.D
 Acq: 19 Apr 2023 21:45



Tgt Ion: 85 Resp: 27502
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.6 40.0

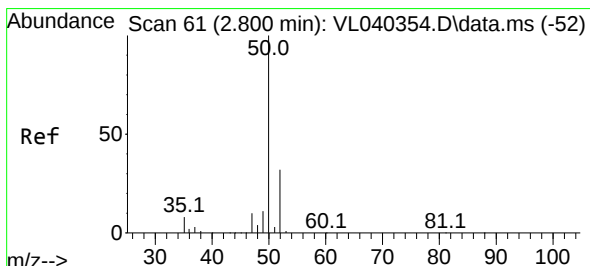
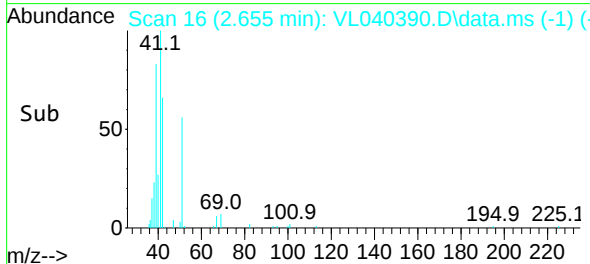
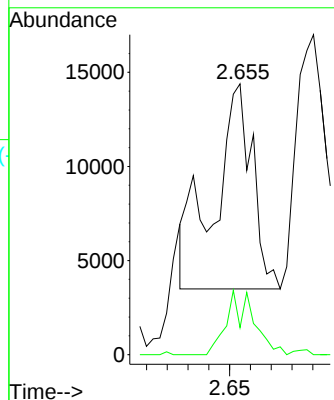
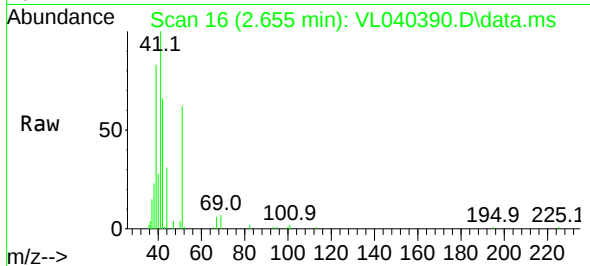




#3
Chlorodifluoromethane
Concen: 0.100 ppbv
RT: 2.655 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

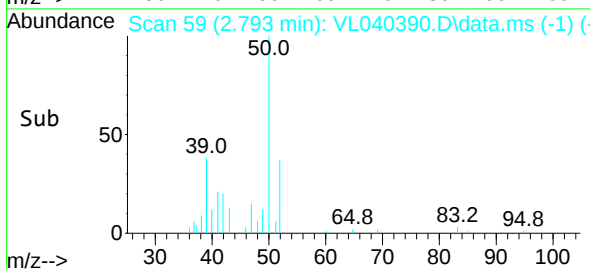
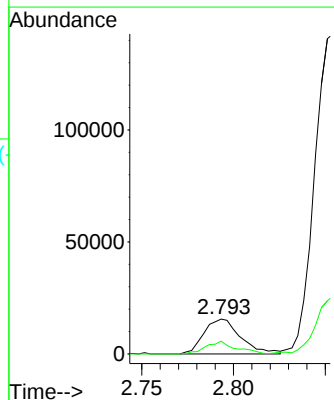
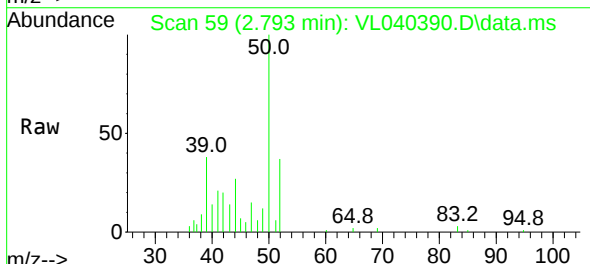
Instrument :
MSVOA_L
ClientSampleId :

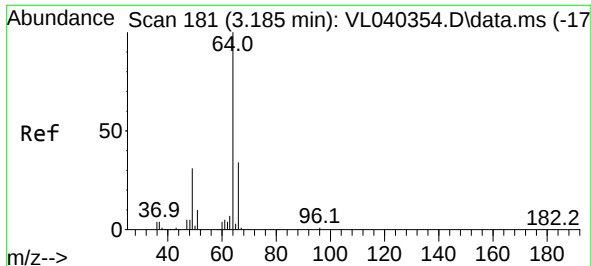
Tgt Ion: 51 Resp: 13964
Ion Ratio Lower Upper
51 100
67 22.7 15.5 23.3



#4
Chloromethane
Concen: 0.247 ppbv
RT: 2.793 min Scan# 59
Delta R.T. -0.007 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

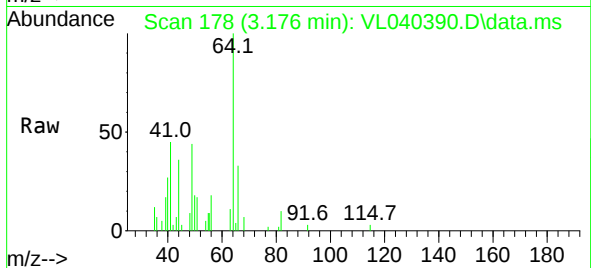
Tgt Ion: 50 Resp: 21722
Ion Ratio Lower Upper
50 100
52 36.9 25.3 37.9



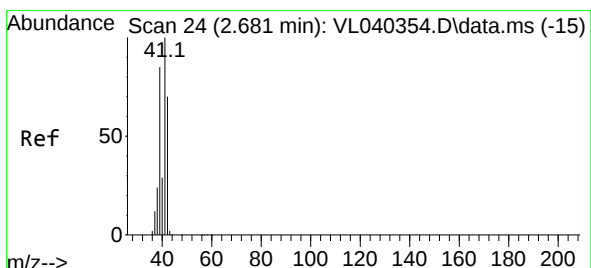
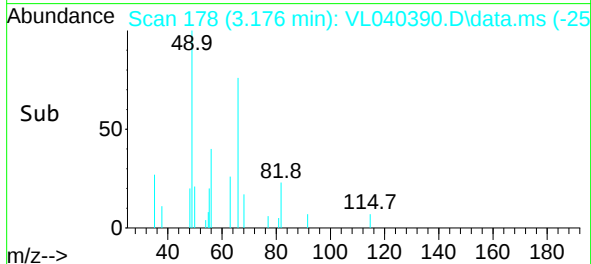
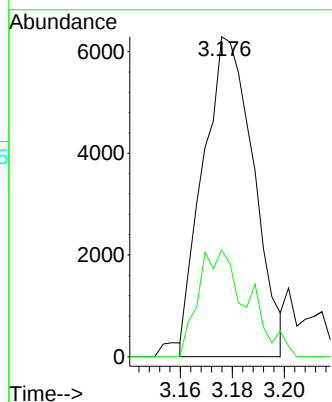


#7
Chloroethane
Concen: 0.308 ppbv
RT: 3.176 min Scan# 11
Delta R.T. -0.009 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Instrument :
MSVOA_L
ClientSampleId :

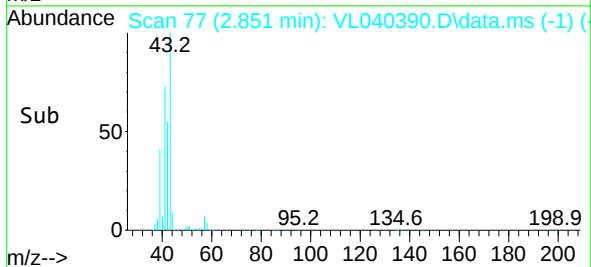
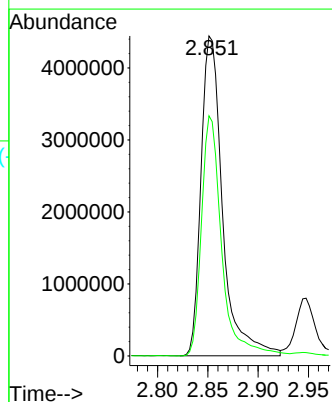
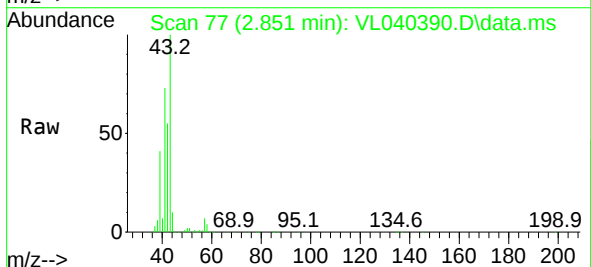


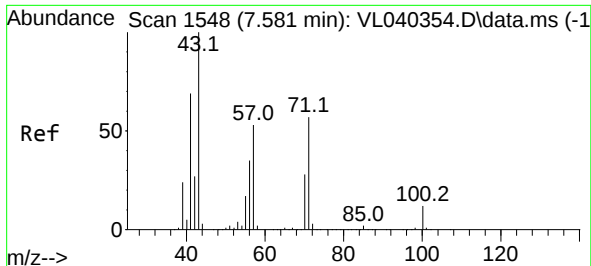
Tgt Ion: 64 Resp: 8471
Ion Ratio Lower Upper
64 100
66 33.3 27.5 41.3



#9
Propene
Concen: 120.078 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.170 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Tgt Ion: 41 Resp: 6610384
Ion Ratio Lower Upper
41 100
42 71.4 56.5 84.7

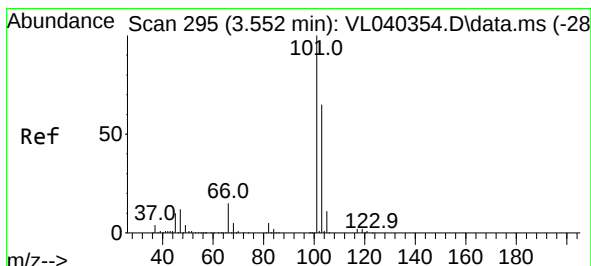
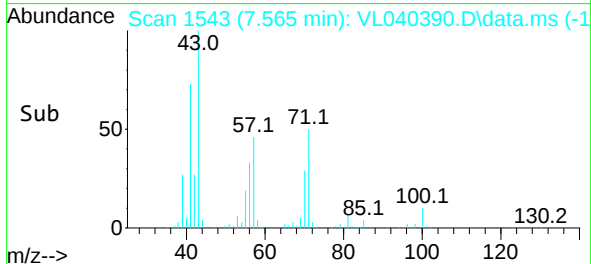
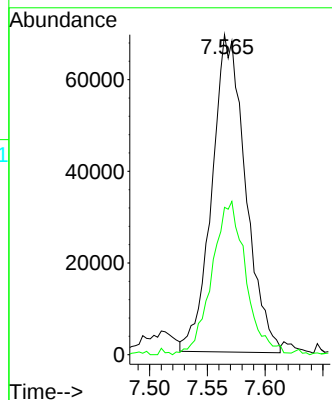
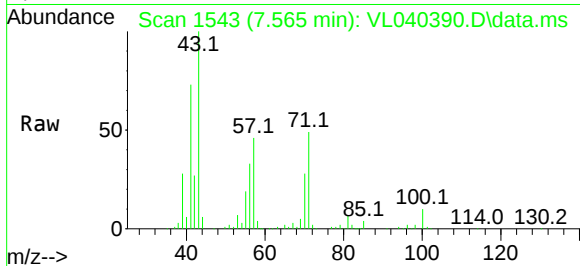




#10
Heptane
Concen: 1.123 ppbv
RT: 7.565 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

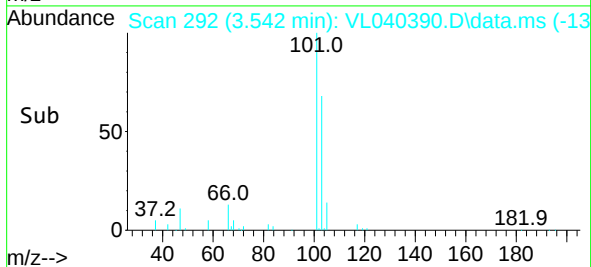
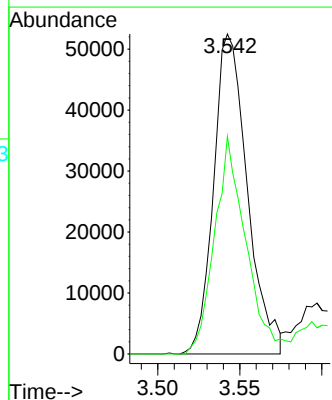
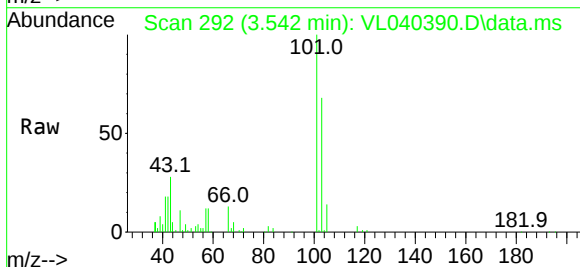
Instrument :
MSVOA_L
ClientSampleId :

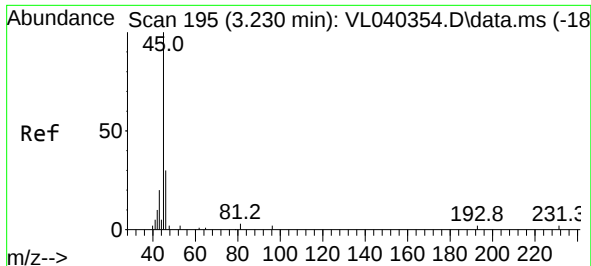
Tgt Ion: 43 Resp: 140508
Ion Ratio Lower Upper
43 100
57 49.5 42.2 63.4



#11
Trichlorofluoromethane
Concen: 0.385 ppbv
RT: 3.542 min Scan# 292
Delta R.T. -0.010 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Tgt Ion:101 Resp: 74849
Ion Ratio Lower Upper
101 100
103 68.0 52.2 78.4





#13

Ethanol

Concen: 1.618 ppbv

RT: 3.224 min Scan# 19

Delta R.T. -0.006 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Instrument :

MSVOA_L

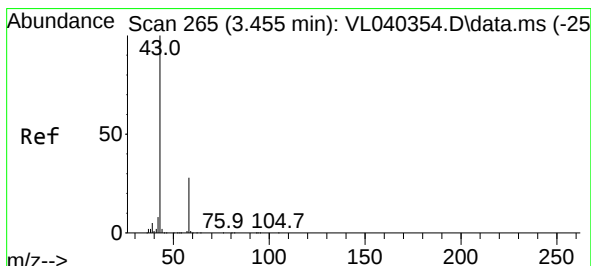
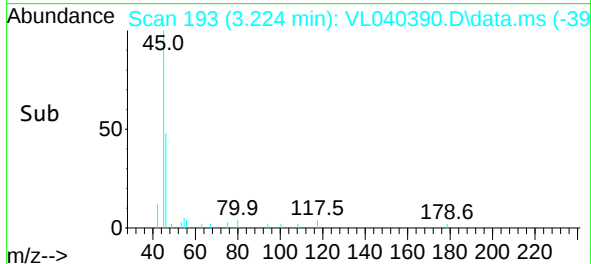
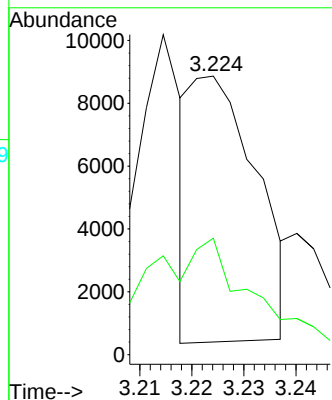
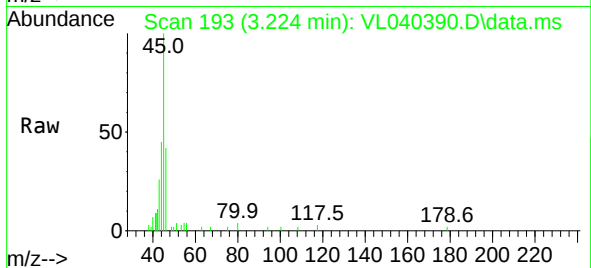
ClientSampleId :

Tgt Ion: 45 Resp: 7435

Ion Ratio Lower Upper

45 100

46 93.0 15.3 61.3#



#15

Acetone

Concen: 4.992 ppbv

RT: 3.446 min Scan# 262

Delta R.T. -0.009 min

Lab File: VL040390.D

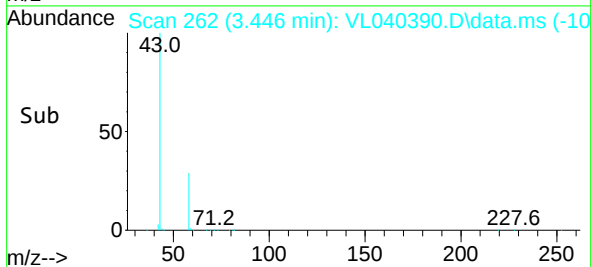
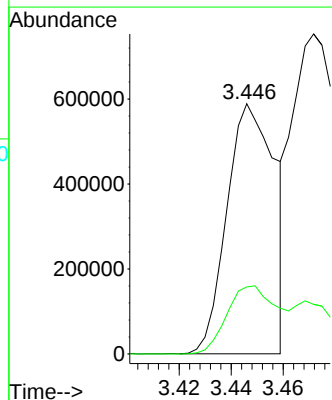
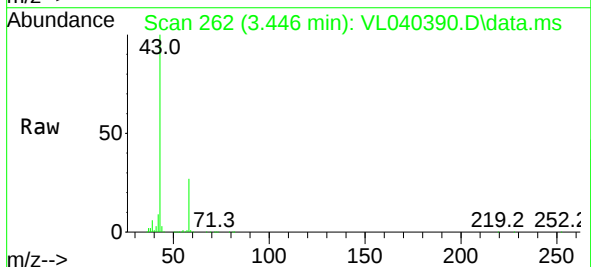
Acq: 19 Apr 2023 21:45

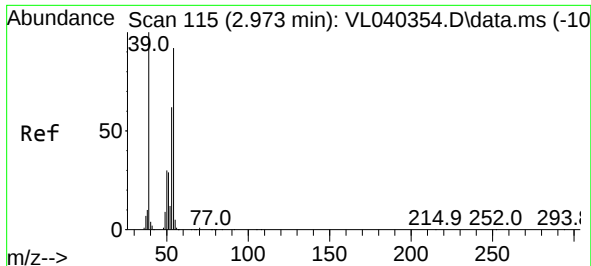
Tgt Ion: 43 Resp: 753978

Ion Ratio Lower Upper

43 100

58 55.3 22.2 33.2#





#16

1,3-Butadiene

Concen: 10.302 ppbv

RT: 2.948 min Scan# 115

Delta R.T. -0.025 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Instrument :

MSVOA_L

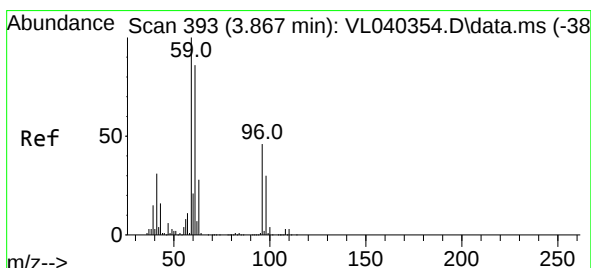
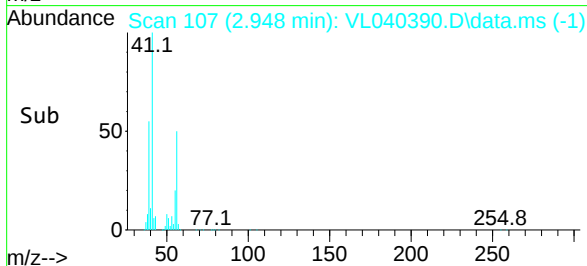
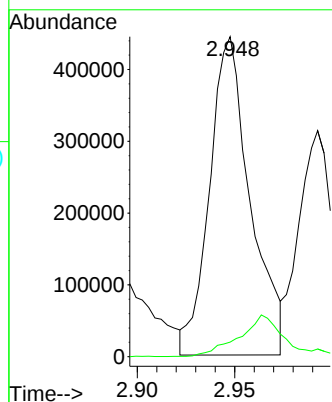
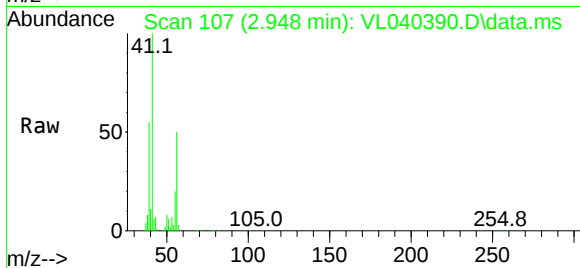
ClientSampleId :

Tgt Ion: 39 Resp: 643913

Ion Ratio Lower Upper

39 100

54 15.3 68.8 103.2#



#17

tert-Butyl alcohol

Concen: 0.215 ppbv

RT: 3.874 min Scan# 395

Delta R.T. 0.007 min

Lab File: VL040390.D

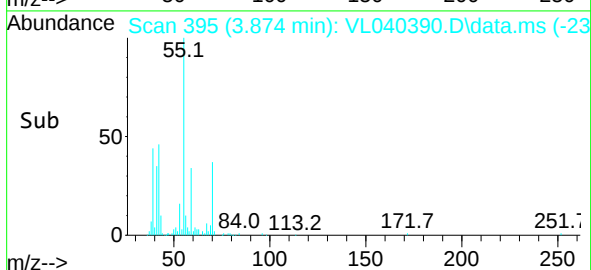
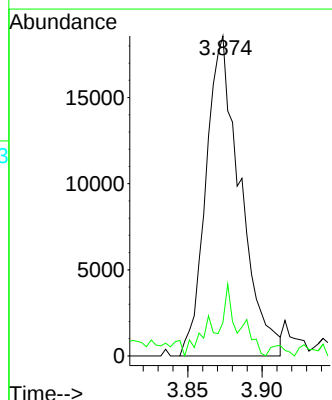
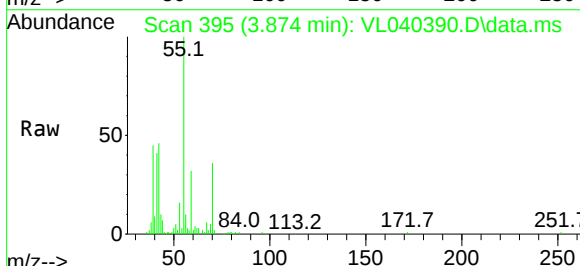
Acq: 19 Apr 2023 21:45

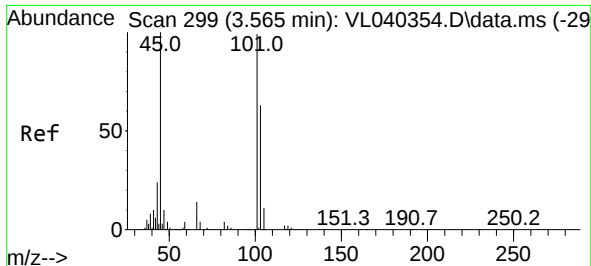
Tgt Ion: 59 Resp: 29802

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 0.070 ppbv

RT: 3.555 min Scan# 299

Delta R.T. -0.010 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Instrument :

MSVOA_L

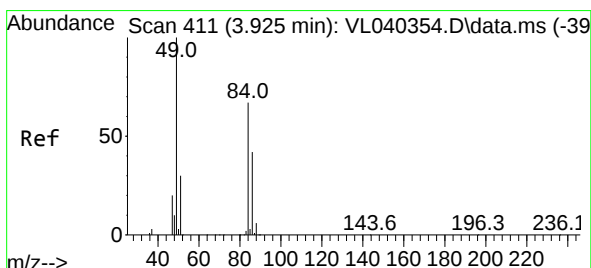
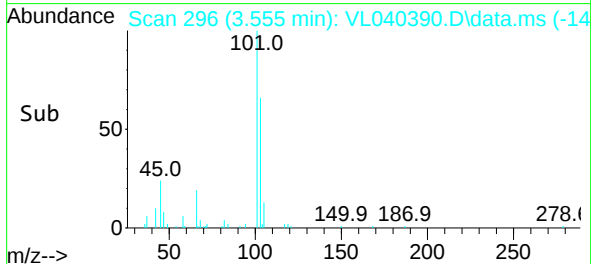
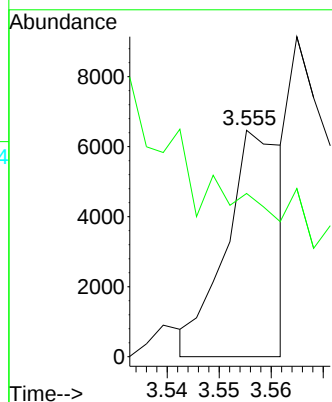
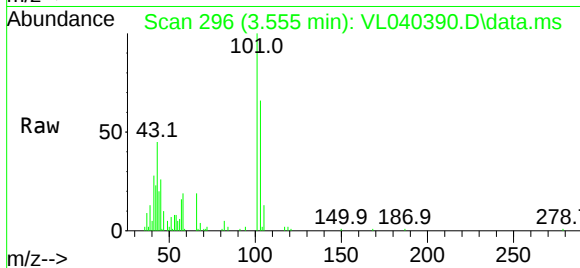
ClientSampleId :

Tgt Ion: 45 Resp: 4845

Ion Ratio Lower Upper

45 100

58 0.0 2.6 4.0#



#20

Methylene Chloride

Concen: 0.427 ppbv

RT: 3.915 min Scan# 408

Delta R.T. -0.010 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Tgt Ion: 84 Resp: 25733

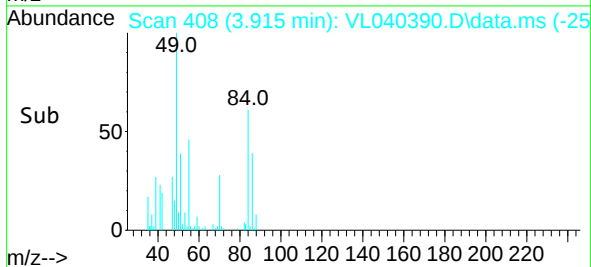
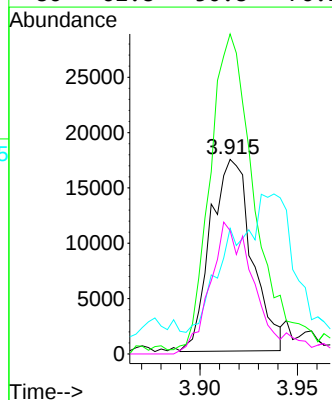
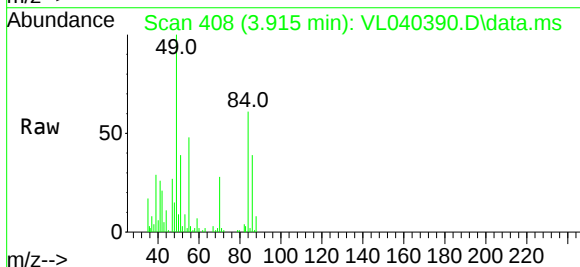
Ion Ratio Lower Upper

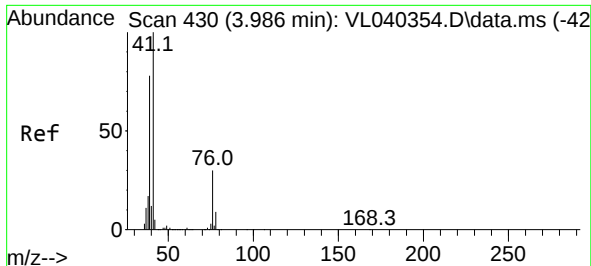
84 100

49 163.2 120.1 180.1

51 53.8 36.3 54.5

86 62.8 50.8 76.2





#21

Allyl Chloride

Concen: 1.222 ppbv

RT: 3.935 min Scan# 41

Delta R.T. -0.051 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Instrument :

MSVOA_L

ClientSampleId :

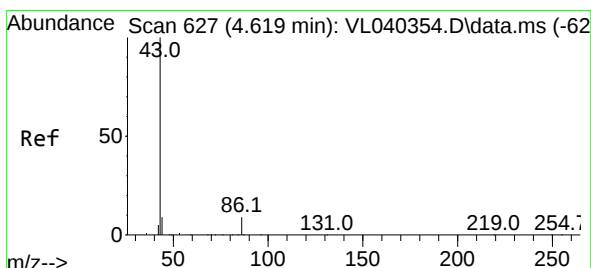
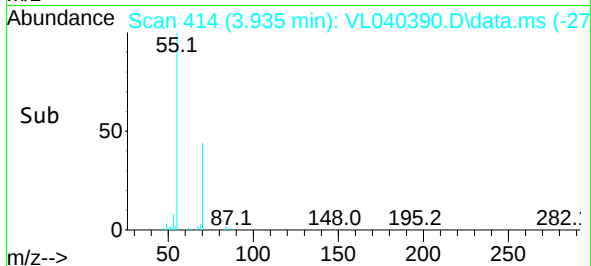
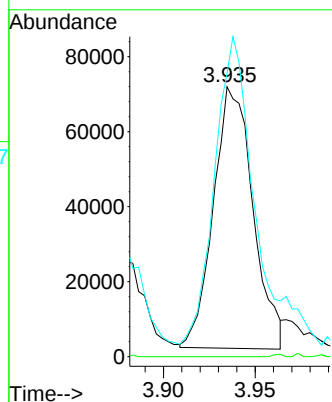
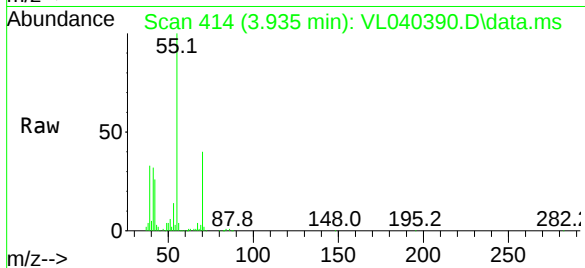
Tgt Ion: 41 Resp: 104912

Ion Ratio Lower Upper

41 100

76 0.0 25.5 38.3#

39 134.8 64.0 96.0#



#23

Vinyl Acetate

Concen: 7.034 ppbv

RT: 4.594 min Scan# 619

Delta R.T. -0.025 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Tgt Ion: 43 Resp: 270516

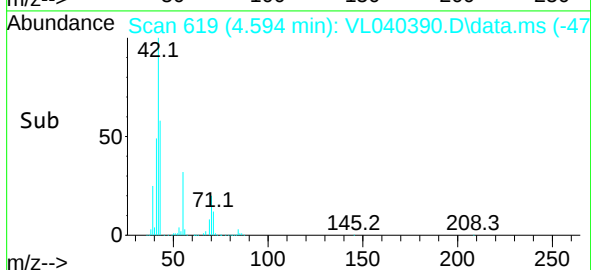
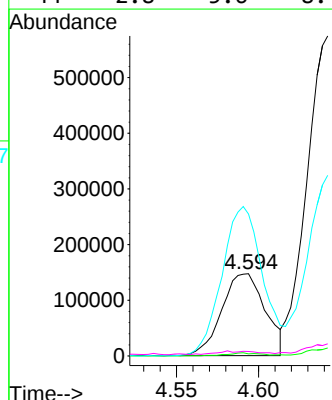
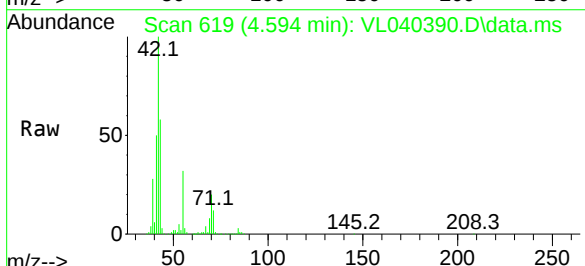
Ion Ratio Lower Upper

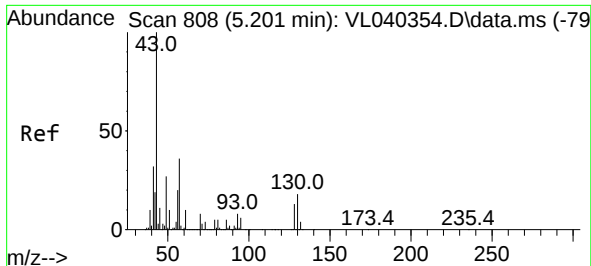
43 100

86 2.6 6.0 9.0#

42 172.4 6.4 9.6#

44 2.8 5.6 8.4#

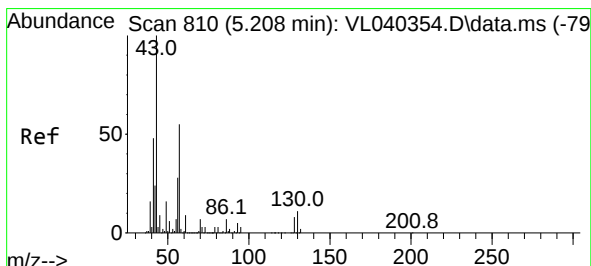
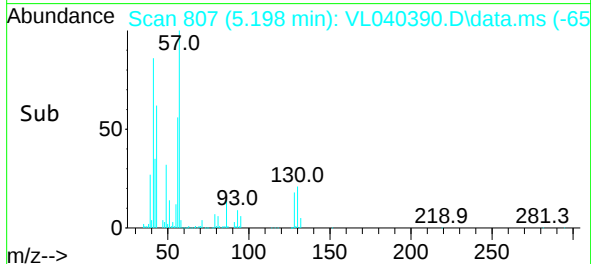
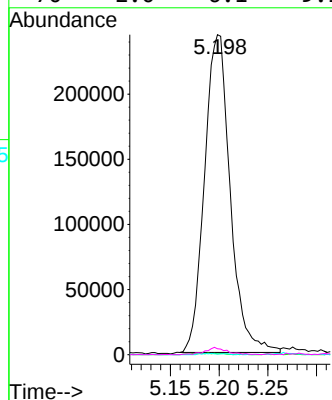
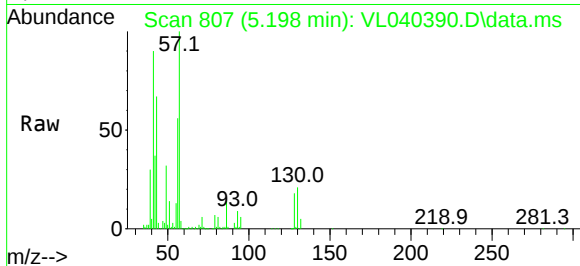




#25
Ethyl Acetate
Concen: 1.765 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.003 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

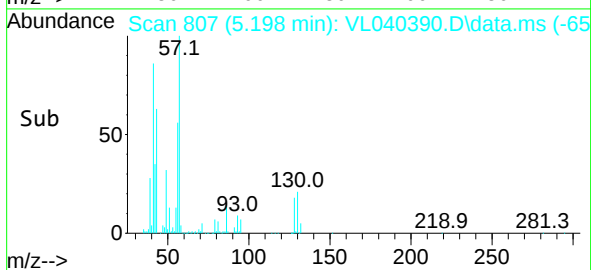
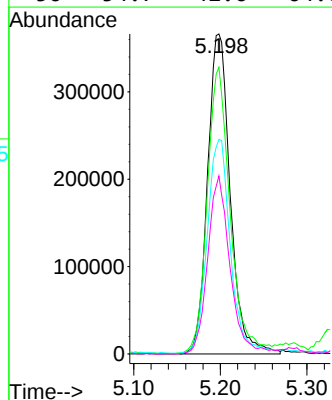
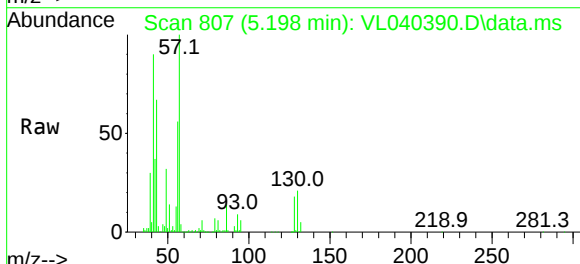
Instrument :
MSVOA_L
ClientSampleId :

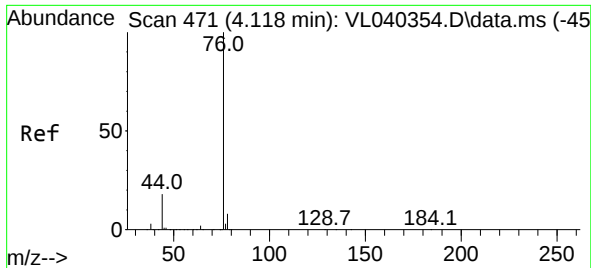
Tgt Ion: 43 Resp: 448539
Ion Ratio Lower Upper
43 100
45 0.5 8.5 12.7#
61 0.3 8.5 12.7#
70 2.0 6.1 9.1#



#26
Hexane
Concen: 6.227 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.010 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

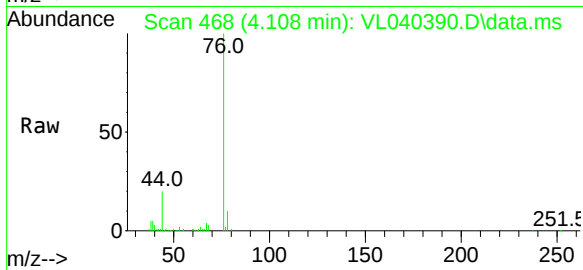
Tgt Ion: 57 Resp: 667237
Ion Ratio Lower Upper
57 100
41 91.2 74.8 112.2
43 70.2 192.7 289.1#
56 54.7 42.6 64.0



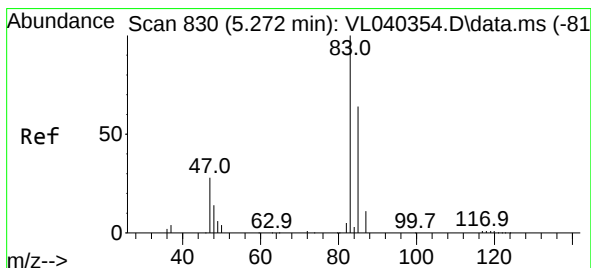
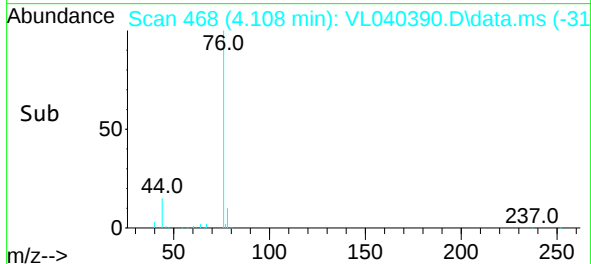
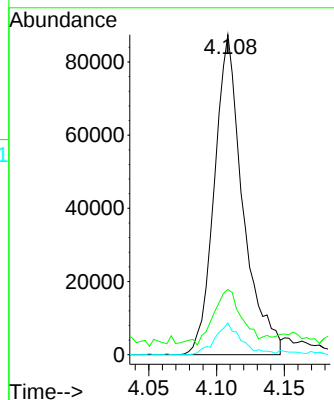


#27
Carbon Disulfide
Concen: 0.922 ppbv
RT: 4.108 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Instrument :
MSVOA_L
ClientSampleId :

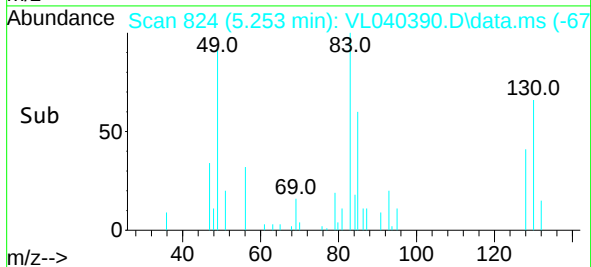
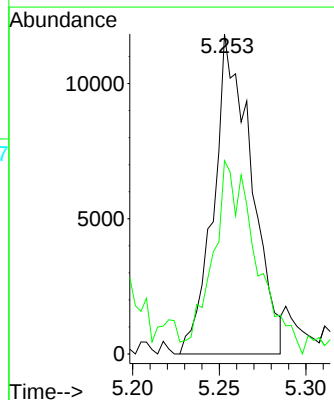
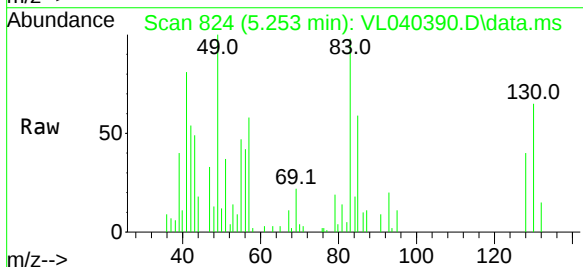


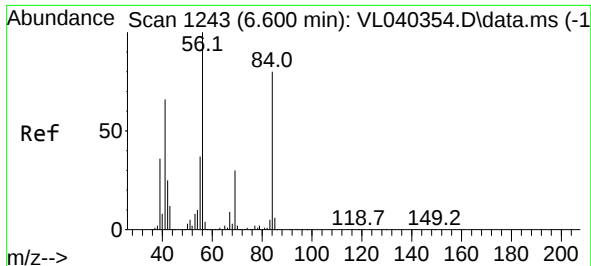
Tgt Ion: 76 Resp: 127858
Ion Ratio Lower Upper
76 100
44 19.8 14.7 22.1
78 10.4 7.7 11.5



#29
Chloroform
Concen: 0.094 ppbv
RT: 5.253 min Scan# 824
Delta R.T. -0.019 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Tgt Ion: 83 Resp: 17988
Ion Ratio Lower Upper
83 100
85 56.7 51.0 76.4

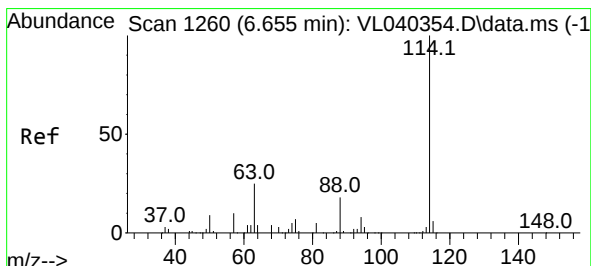
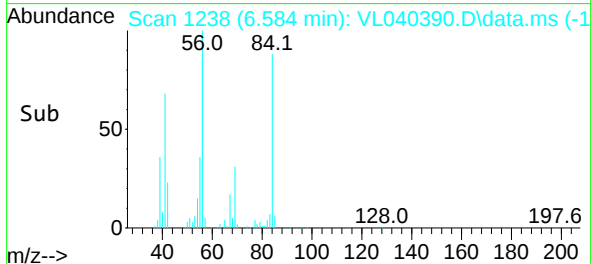
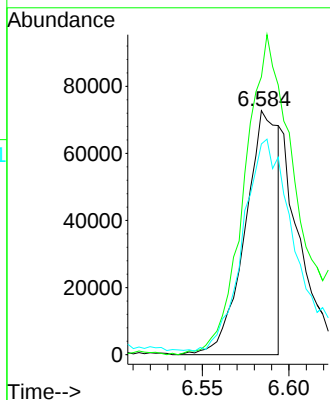
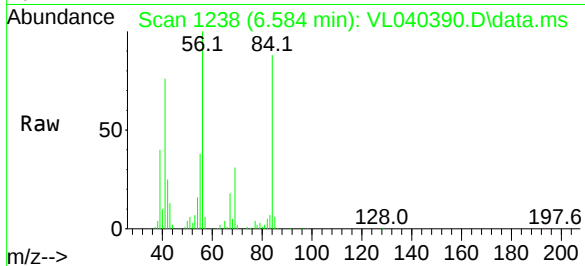




#30
Cyclohexane
Concen: 1.161 ppbv
RT: 6.584 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

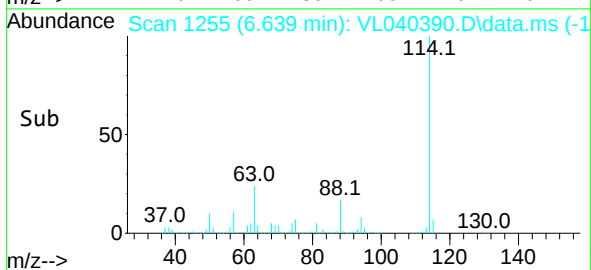
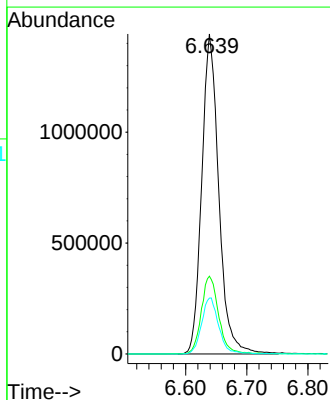
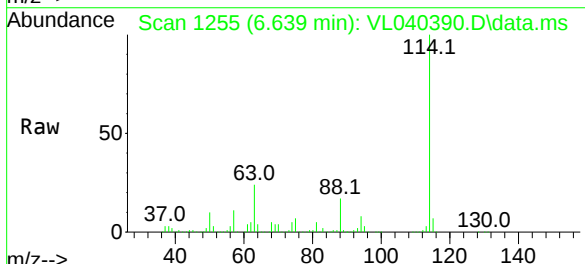
Instrument :
MSVOA_L
ClientSampleId :

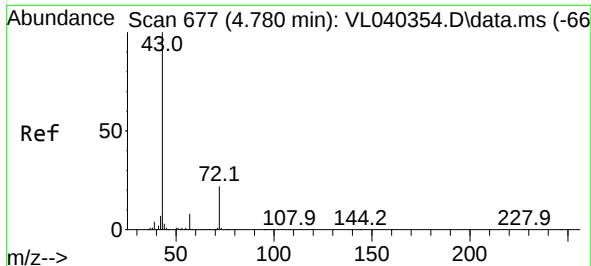
Tgt Ion: 84 Resp: 96306
Ion Ratio Lower Upper
84 100
56 194.7 107.0 160.6#
41 148.2 66.7 100.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Tgt Ion: 114 Resp: 2791780
Ion Ratio Lower Upper
114 100
63 24.9 21.4 32.0
88 17.6 14.6 22.0





#34

2-Butanone

Concen: 4.095 ppbv

RT: 4.767 min Scan# 61

Delta R.T. -0.013 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Instrument :

MSVOA_L

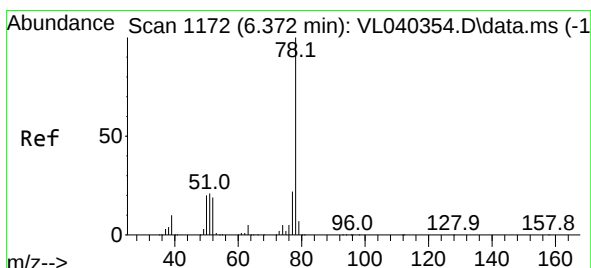
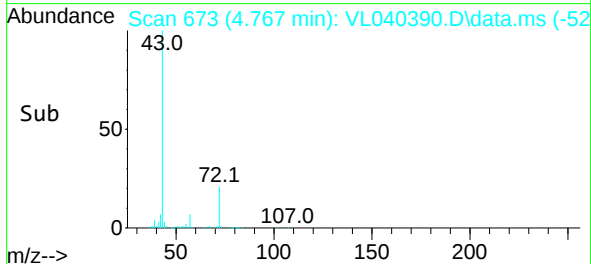
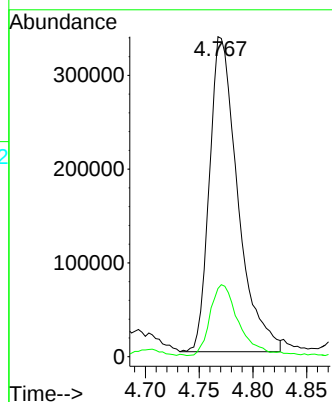
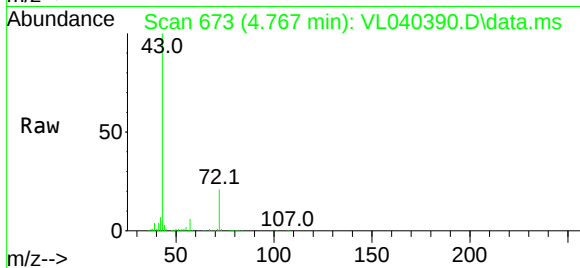
ClientSampleId :

Tgt Ion: 43 Resp: 616519

Ion Ratio Lower Upper

43 100

72 24.6 18.4 27.6



#36

Benzene

Concen: 2.671 ppbv

RT: 6.356 min Scan# 1167

Delta R.T. -0.016 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

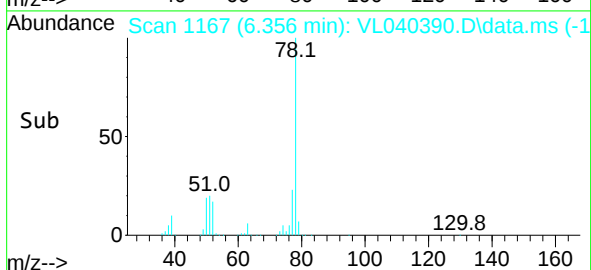
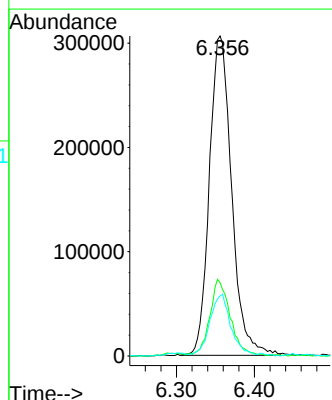
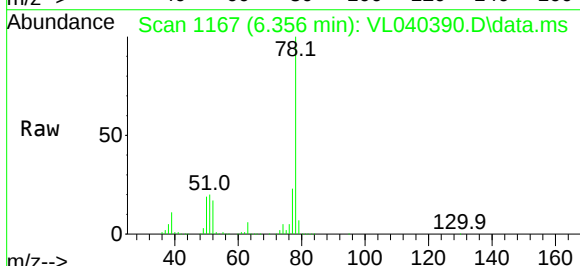
Tgt Ion: 78 Resp: 608309

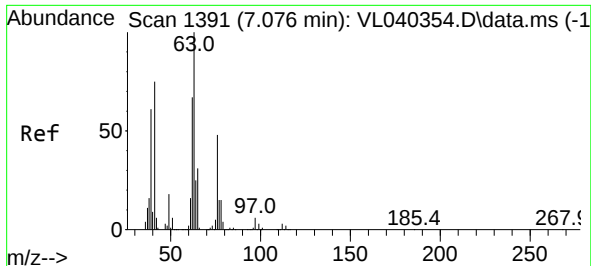
Ion Ratio Lower Upper

78 100

77 22.7 17.8 26.8

50 18.8 15.6 23.4





#39

1,2-Dichloropropane

Concen: 7.496 ppbv

RT: 6.639 min Scan# 1

Delta R.T. -0.437 min

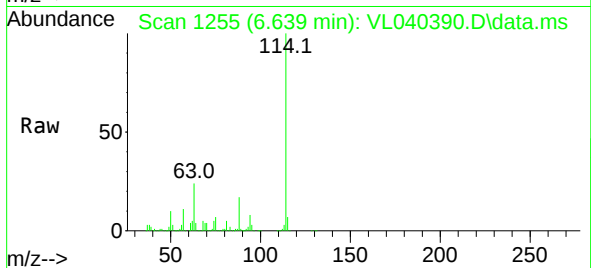
Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Instrument :

MSVOA_L

ClientSampleId :



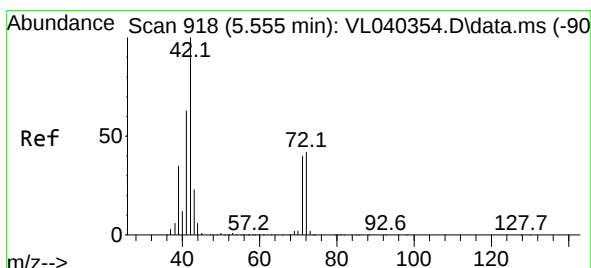
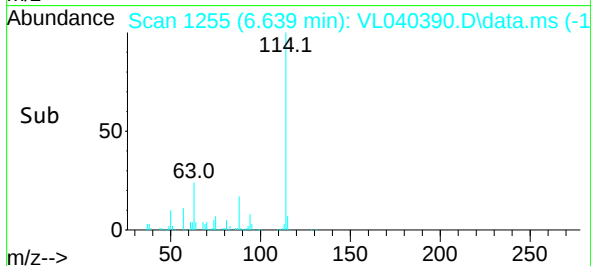
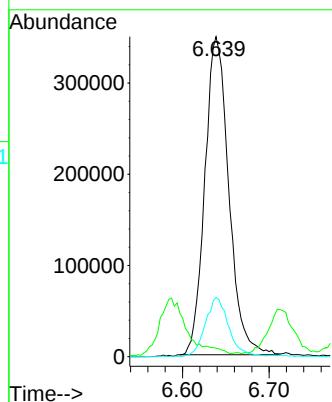
Tgt Ion: 63 Resp: 671812

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 18.5 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.032 ppbv

RT: 5.607 min Scan# 934

Delta R.T. 0.052 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

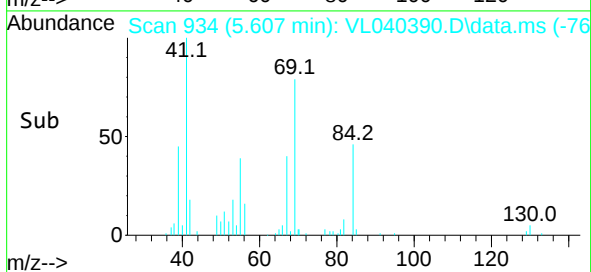
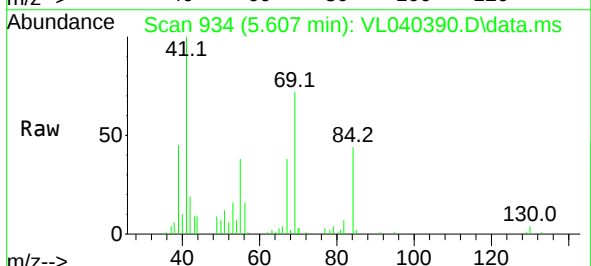
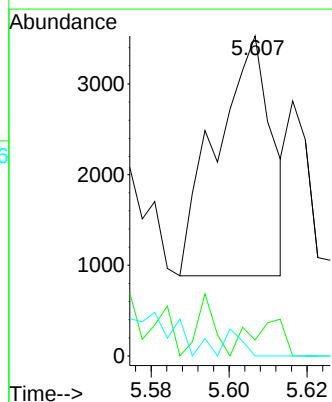
Tgt Ion: 42 Resp: 2604

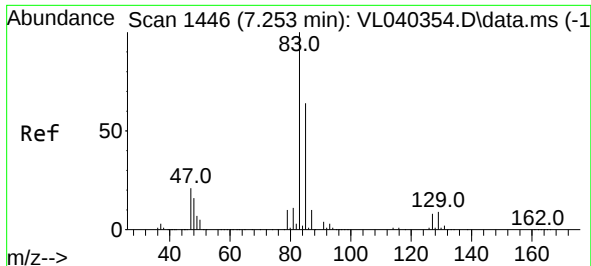
Ion Ratio Lower Upper

42 100

72 109.8 33.7 50.5#

71 95.9 32.2 48.2#





#42

Bromodichloromethane

Concen: 0.033 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. -0.010 min

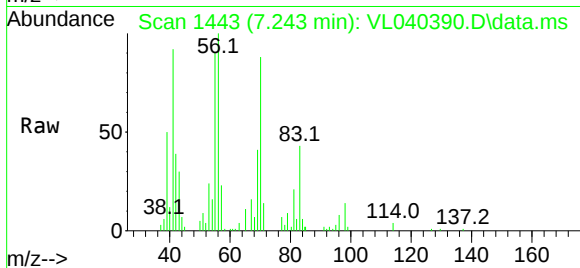
Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

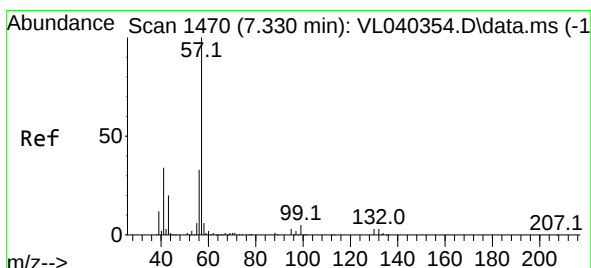
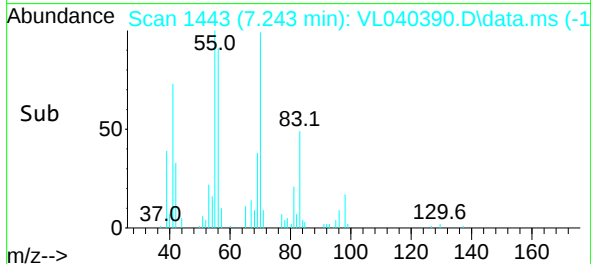
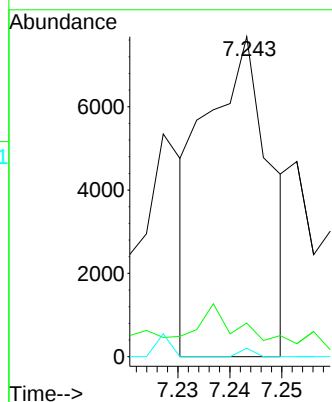
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 83	Resp: 6657
Ion Ratio	Lower Upper
83	100
85	9.7 50.9 76.3#
127	6.2 6.4 9.6#



#44

2,2,4-Trimethylpentane

Concen: 0.561 ppbv

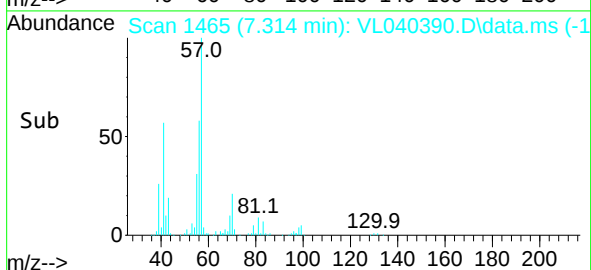
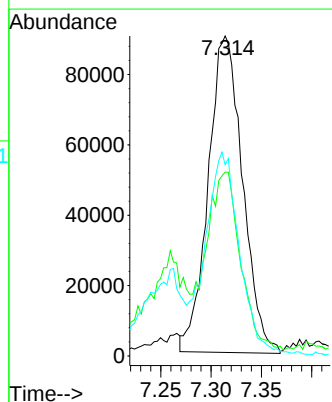
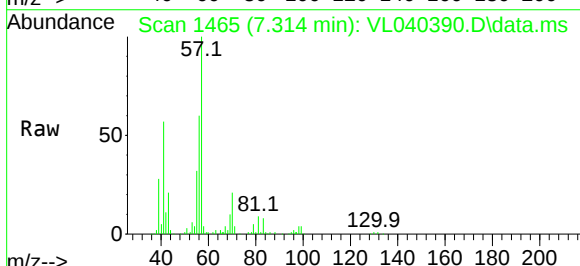
RT: 7.314 min Scan# 1465

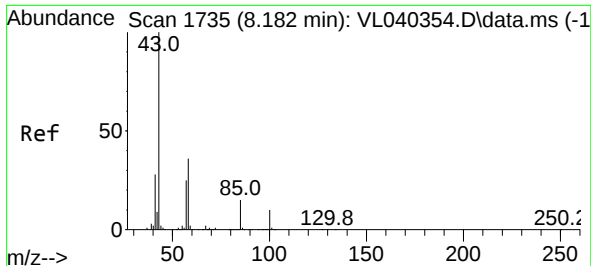
Delta R.T. -0.016 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Tgt Ion: 57	Resp: 213490
Ion Ratio	Lower Upper
57	100
41	60.7 26.9 40.3#
56	64.4 25.1 37.7#





#50

4-Methyl-2-Pentanone

Concen: 0.128 ppbv

RT: 8.189 min Scan# 1

Delta R.T. 0.007 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Instrument :

MSVOA_L

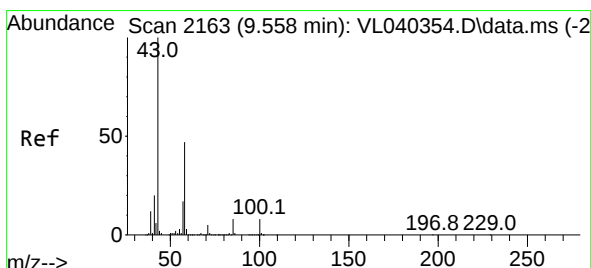
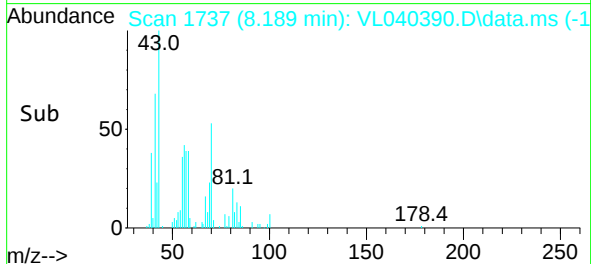
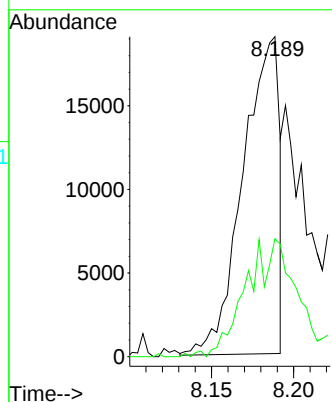
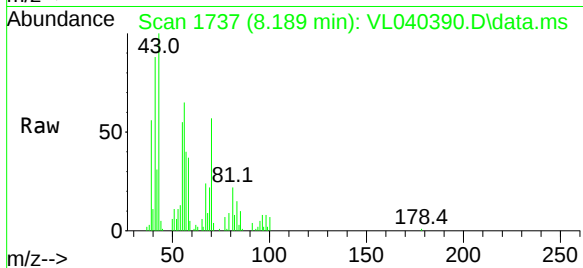
ClientSampleId :

Tgt Ion: 43 Resp: 29173

Ion Ratio Lower Upper

43 100

58 57.2 28.6 43.0#



#51

2-Hexanone

Concen: 0.191 ppbv

RT: 9.533 min Scan# 2155

Delta R.T. -0.025 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

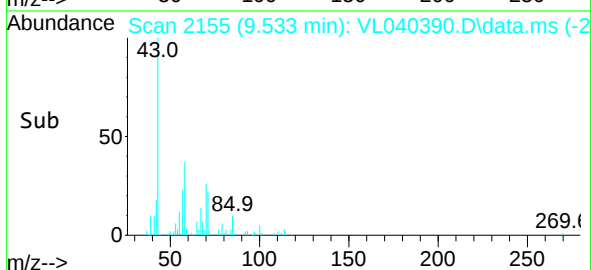
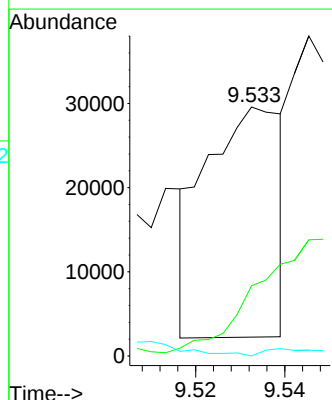
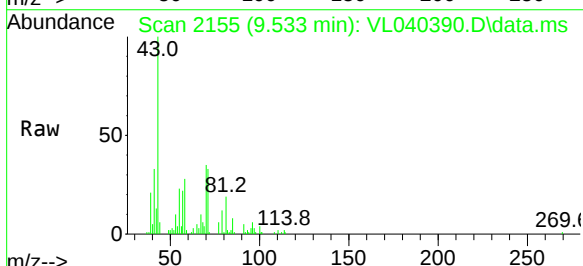
Tgt Ion: 43 Resp: 32202

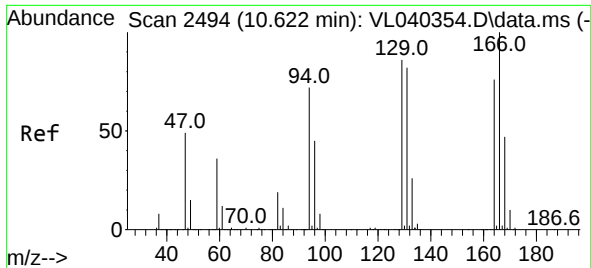
Ion Ratio Lower Upper

43 100

58 0.0 38.3 57.5#

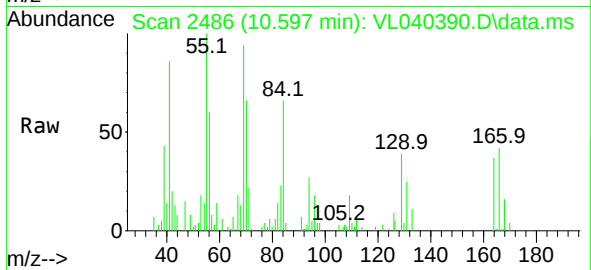
98 0.0 0.4 0.6#



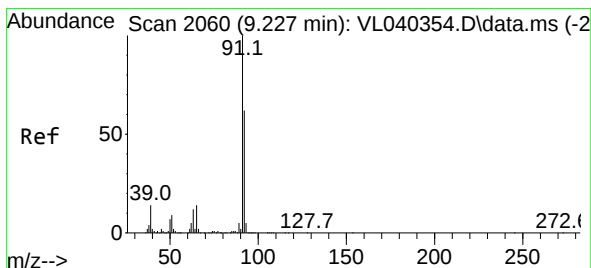
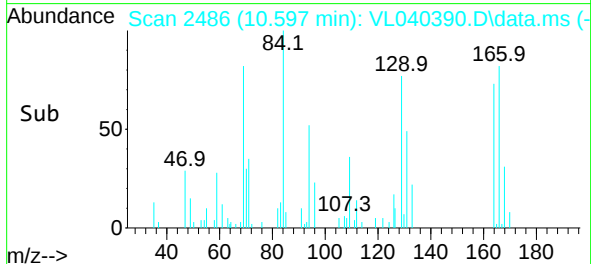
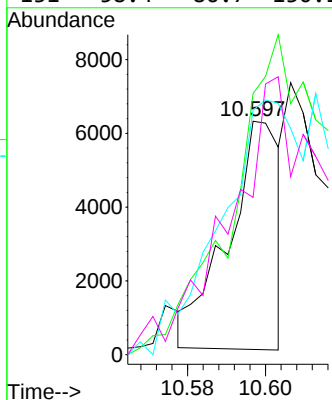


#52
Tetrachloroethene
Concen: 0.080 ppbv
RT: 10.597 min Scan# 2494
Delta R.T. -0.025 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Instrument :
MSVOA_L
ClientSampleId :

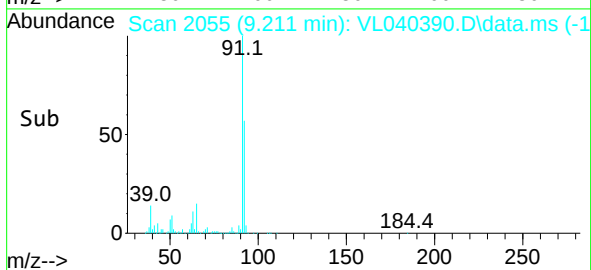
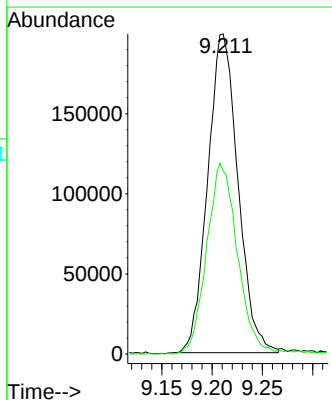
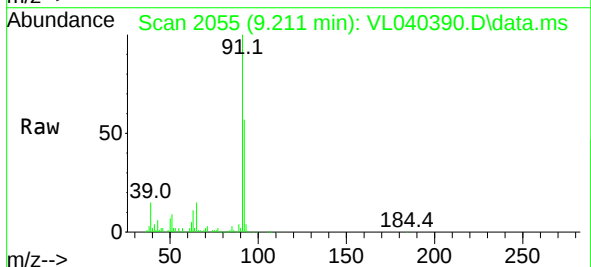


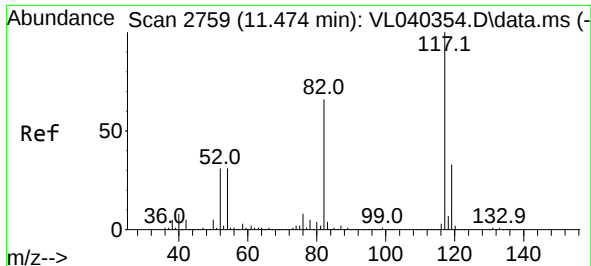
Tgt Ion:164 Resp: 5689
Ion Ratio Lower Upper
164 100
166 111.0 105.2 157.8
129 107.3 90.3 135.5
131 58.4 86.7 130.1#



#53
Toluene
Concen: 1.726 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. -0.016 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Tgt Ion: 91 Resp: 416679
Ion Ratio Lower Upper
91 100
92 61.9 48.9 73.3

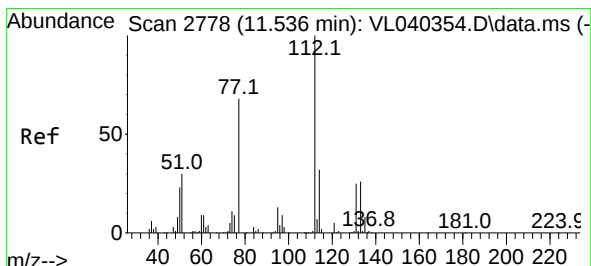
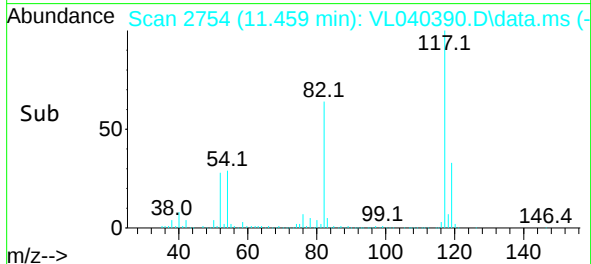
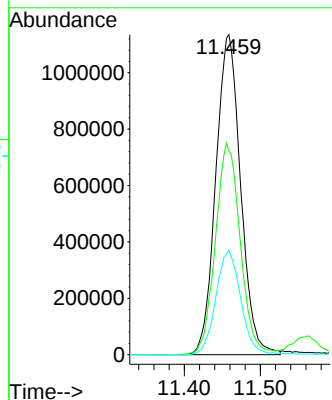
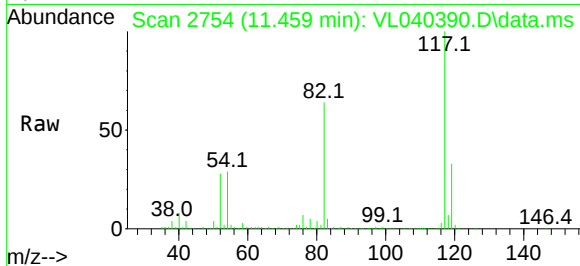




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 21
Delta R.T. -0.015 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

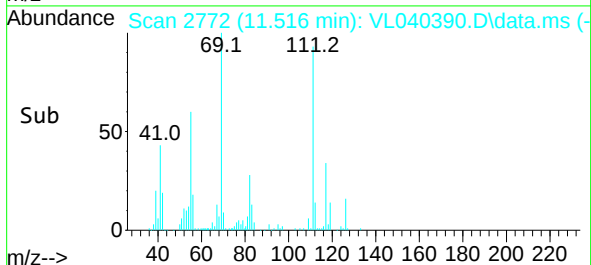
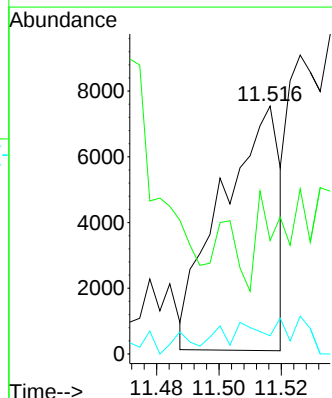
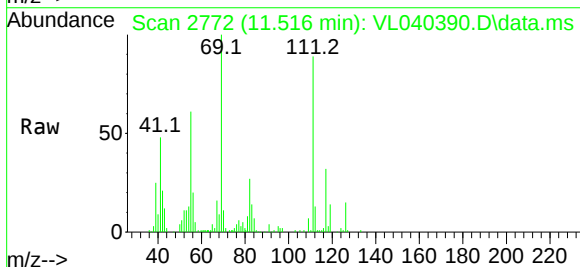
Instrument :
MSVOA_L
ClientSampleId :

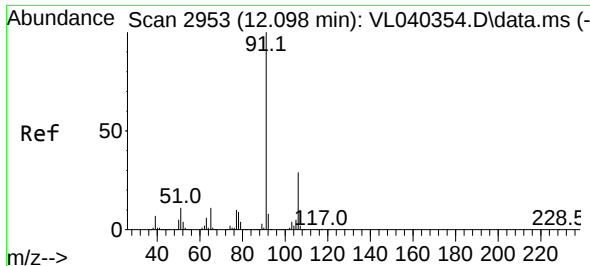
Tgt Ion:117 Resp: 2574910
Ion Ratio Lower Upper
117 100
82 65.9 52.5 78.7
119 33.1 24.3 36.5



#57
Chlorobenzene
Concen: 0.048 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. -0.020 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Tgt Ion:112 Resp: 9626
Ion Ratio Lower Upper
112 100
77 0.0 55.8 83.8#
114 0.0 29.1 35.5#

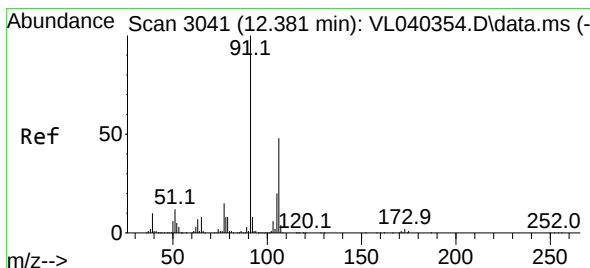
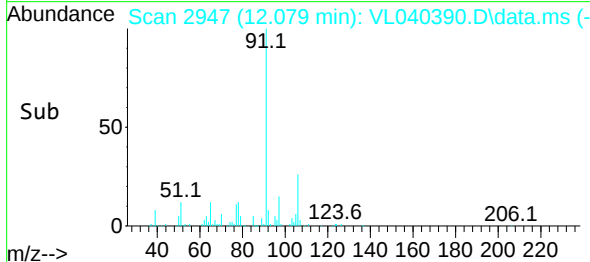
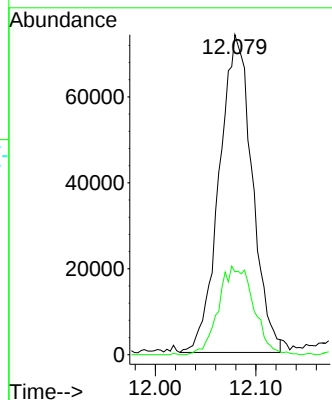
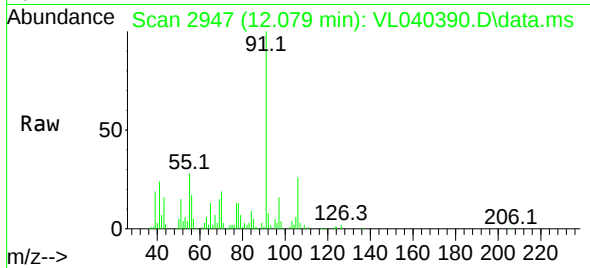




#58
Ethyl Benzene
Concen: 0.532 ppbv
RT: 12.079 min Scan# 2953
Delta R.T. -0.019 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

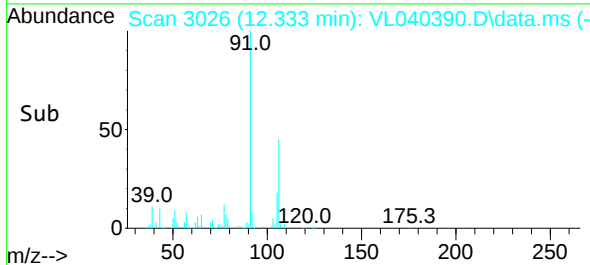
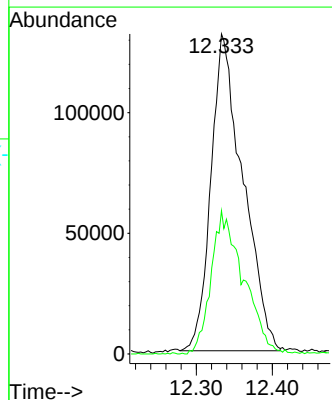
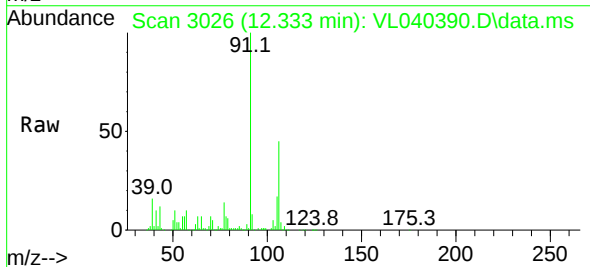
Instrument :
MSVOA_L
ClientSampleId :

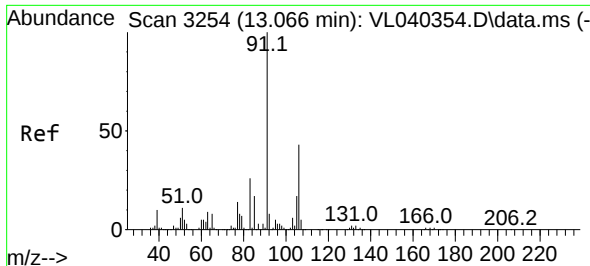
Tgt Ion: 91 Resp: 168383
Ion Ratio Lower Upper
91 100
106 26.1 23.5 35.3



#59
m/p-Xylene
Concen: 1.317 ppbv
RT: 12.333 min Scan# 3026
Delta R.T. -0.048 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Tgt Ion: 91 Resp: 383572
Ion Ratio Lower Upper
91 100
106 45.9 34.7 52.1

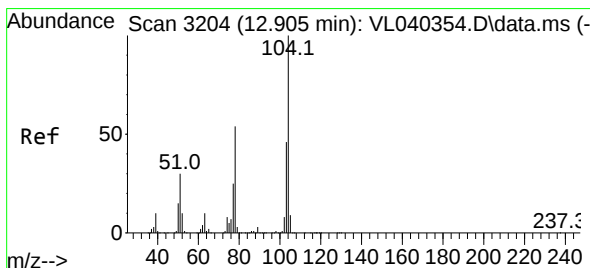
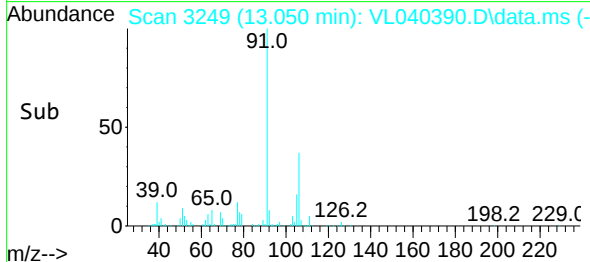
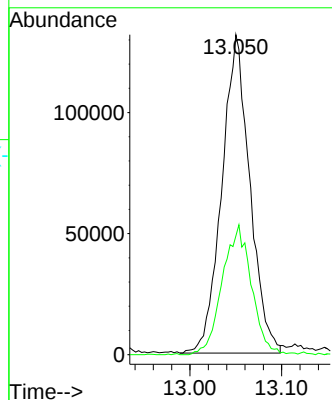
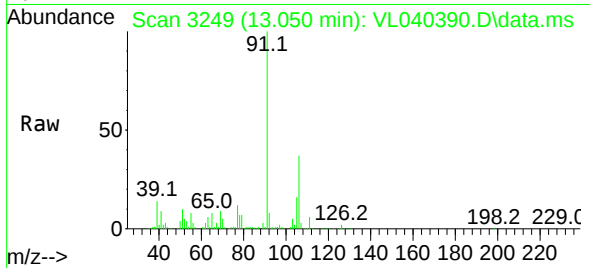




#60
o-Xylene
Concen: 0.998 ppbv
RT: 13.050 min Scan# 3198
Delta R.T. -0.016 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

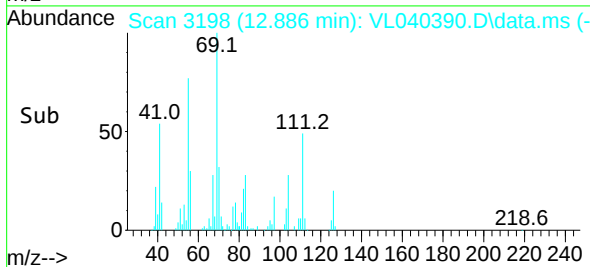
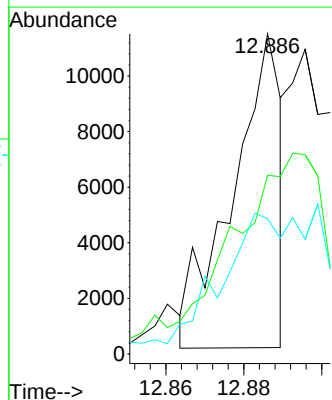
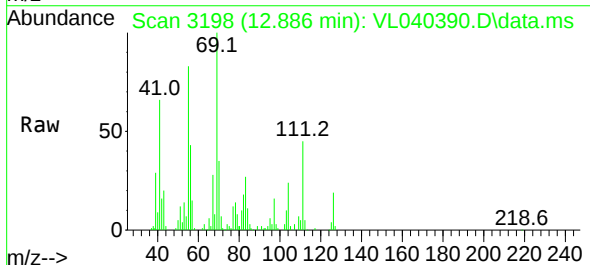
Instrument :
MSVOA_L
ClientSampleId :

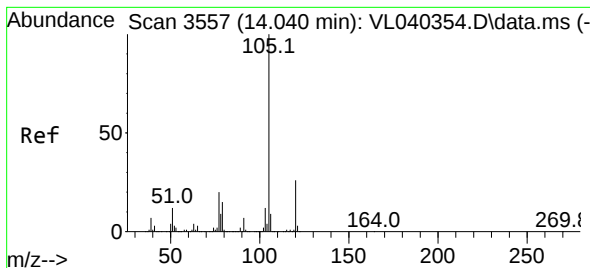
Tgt Ion: 91 Resp: 279009
Ion Ratio Lower Upper
91 100
106 42.6 21.9 65.8



#61
Styrene
Concen: 0.070 ppbv
RT: 12.886 min Scan# 3198
Delta R.T. -0.019 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Tgt Ion: 104 Resp: 9844
Ion Ratio Lower Upper
104 100
78 0.0 43.4 65.0#
103 0.0 37.0 55.4#





#62

Isopropylbenzene

Concen: 0.048 ppbv

RT: 14.018 min Scan# 31

Delta R.T. -0.022 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Instrument :

MSVOA_L

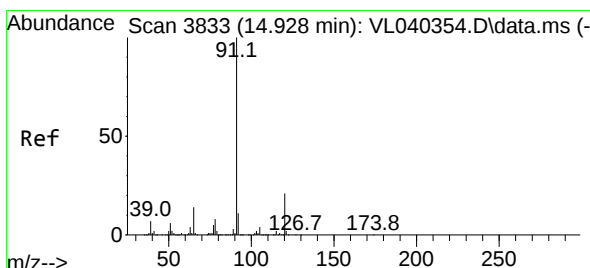
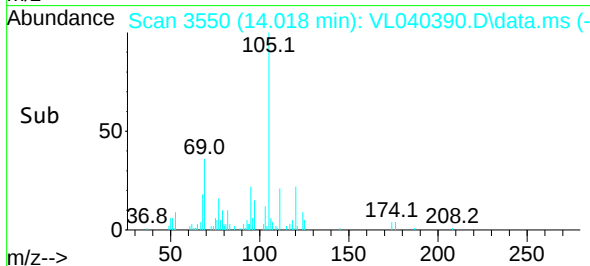
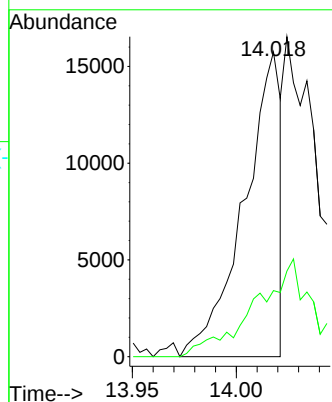
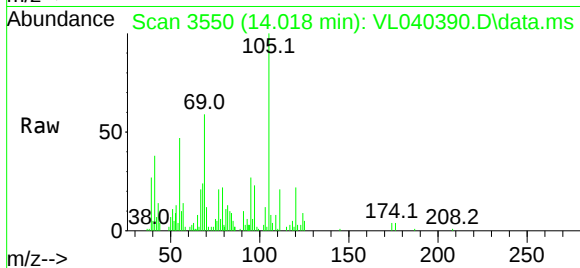
ClientSampleId :

Tgt Ion:105 Resp: 19271

Ion Ratio Lower Upper

105 100

120 0.0 19.9 29.9#



#64

n-propylbenzene

Concen: 0.121 ppbv

RT: 14.905 min Scan# 3826

Delta R.T. -0.023 min

Lab File: VL040390.D

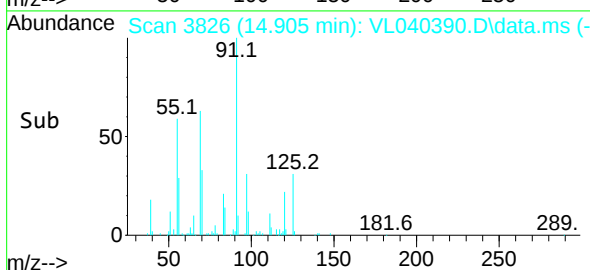
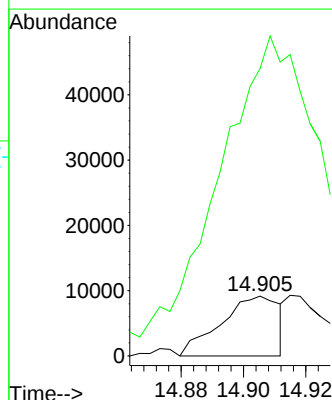
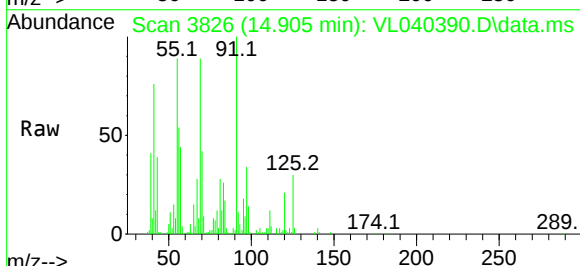
Acq: 19 Apr 2023 21:45

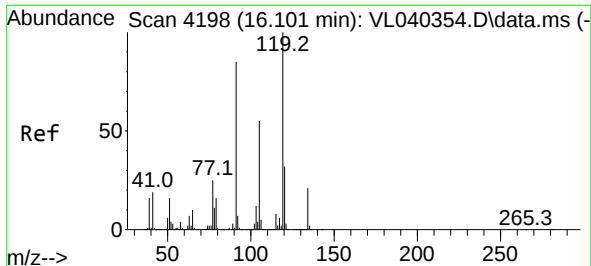
Tgt Ion:120 Resp: 12001

Ion Ratio Lower Upper

120 100

91 952.0 397.4 596.0#

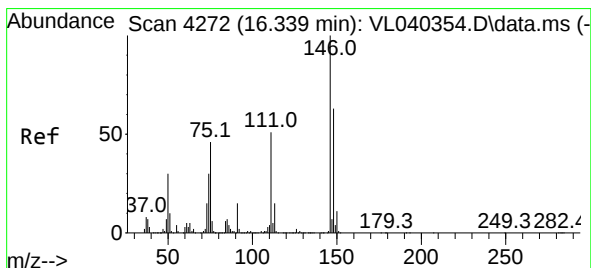
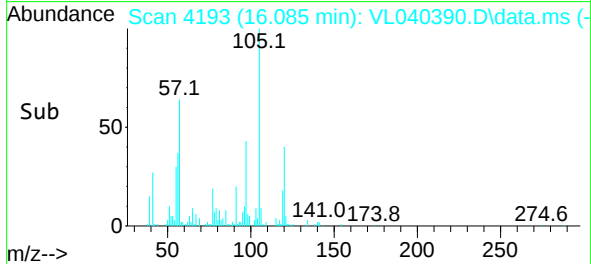
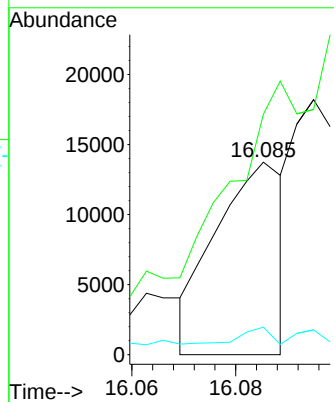
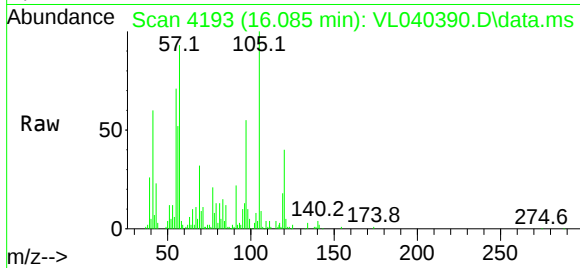




#65
tert-Butylbenzene
Concen: 0.035 ppbv
RT: 16.085 min Scan# 4198
Delta R.T. -0.016 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

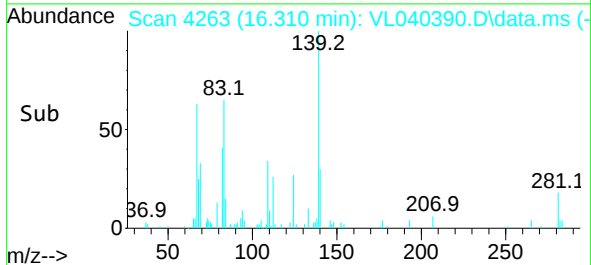
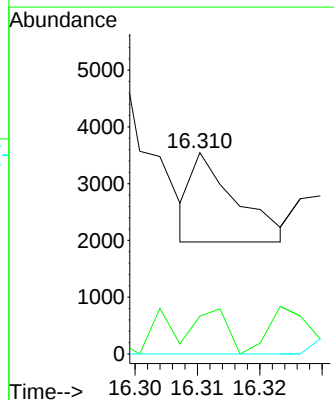
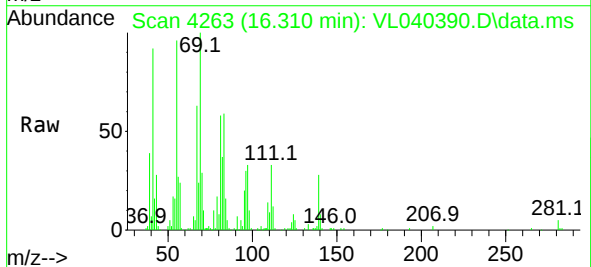
Instrument :
MSVOA_L
ClientSampleId :

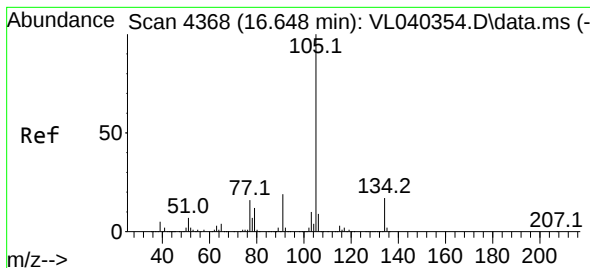
Tgt Ion:119 Resp: 12430
Ion Ratio Lower Upper
119 100
91 0.0 70.1 105.1#
134 31.5 15.6 23.4#



#66
Benzyl Chloride
Concen: 0.036 ppbv
RT: 16.310 min Scan# 4263
Delta R.T. -0.029 min
Lab File: VL040390.D
Acq: 19 Apr 2023 21:45

Tgt Ion: 91 Resp: 780
Ion Ratio Lower Upper
91 100
126 0.0 12.3 18.5#
128 0.0 4.1 6.1#





#67

sec-Butylbenzene

Concen: 0.092 ppbv

RT: 16.632 min Scan# 41

Delta R.T. -0.016 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Instrument :

MSVOA_L

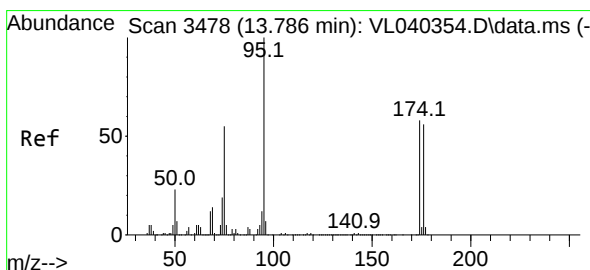
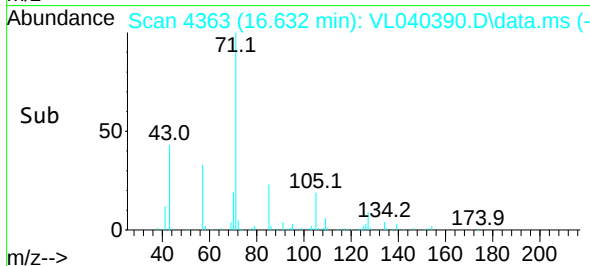
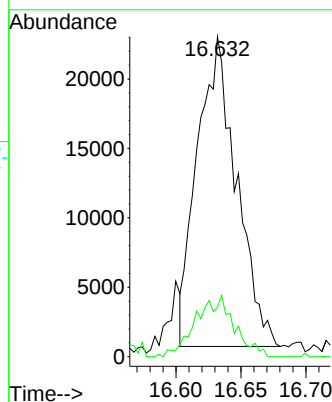
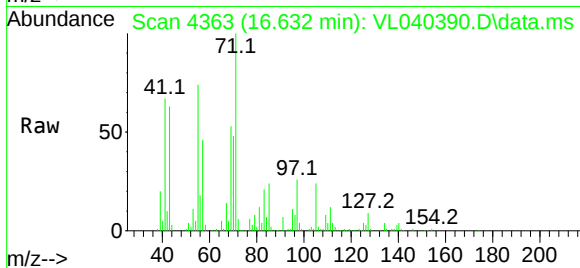
ClientSampleId :

Tgt Ion:105 Resp: 46769

Ion Ratio Lower Upper

105 100

134 19.3 13.8 20.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.210 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. -0.019 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

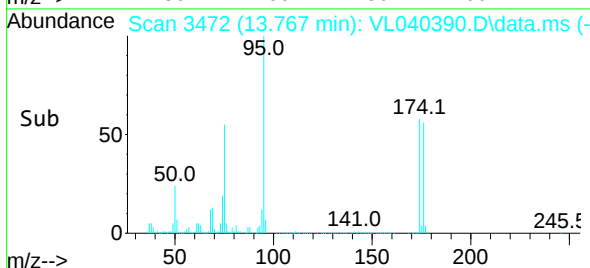
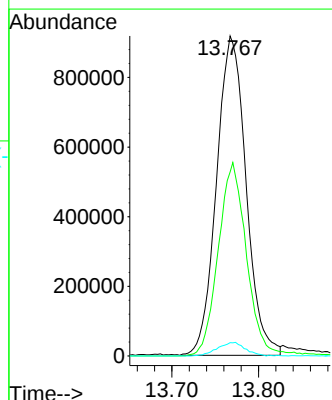
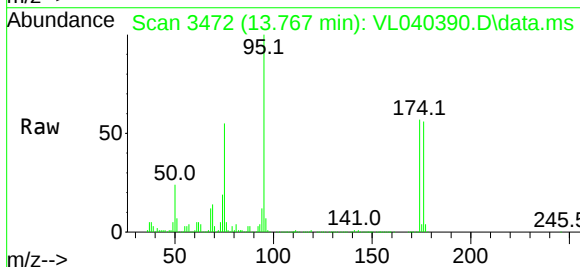
Tgt Ion: 95 Resp: 2174056

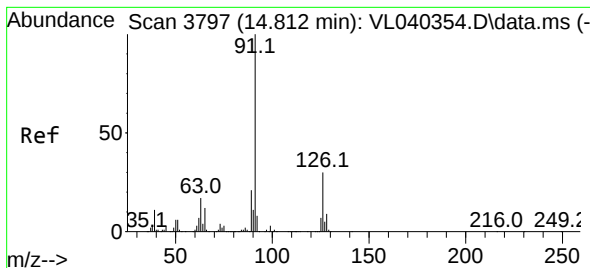
Ion Ratio Lower Upper

95 100

174 59.0 47.2 70.8

175 4.1 3.5 5.3





#71

2-Chlorotoluene

Concen: 0.112 ppbv

RT: 15.111 min Scan# 31

Delta R.T. 0.299 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Instrument :

MSVOA_L

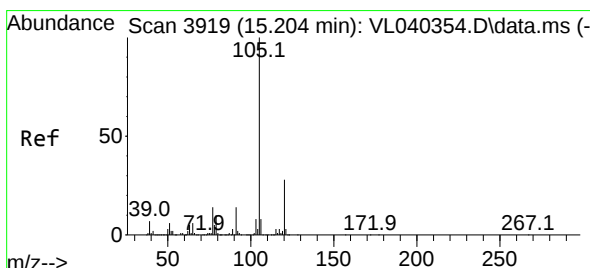
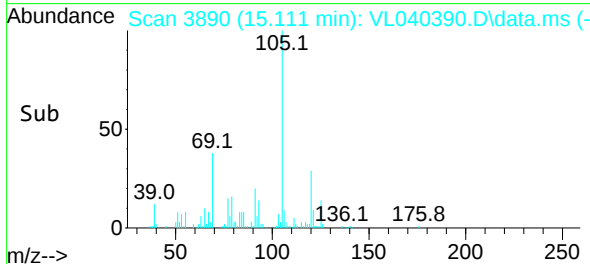
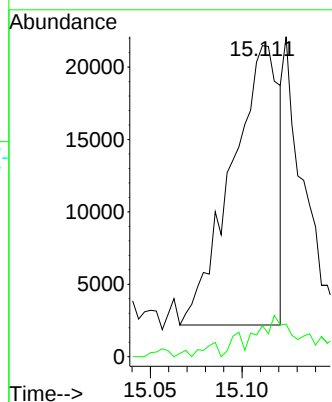
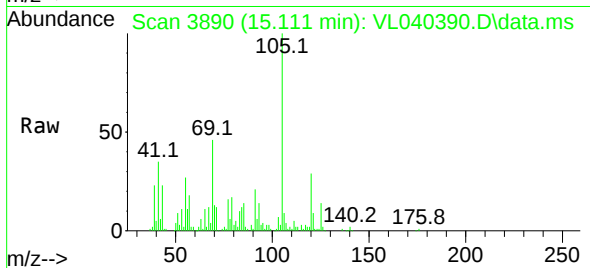
ClientSampleId :

Tgt Ion: 91 Resp: 34522

Ion Ratio Lower Upper

91 100

126 21.9 11.8 47.4



#72

4-Ethyltoluene

Concen: 0.170 ppbv

RT: 15.182 min Scan# 3912

Delta R.T. -0.022 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Tgt Ion: 105 Resp: 52338

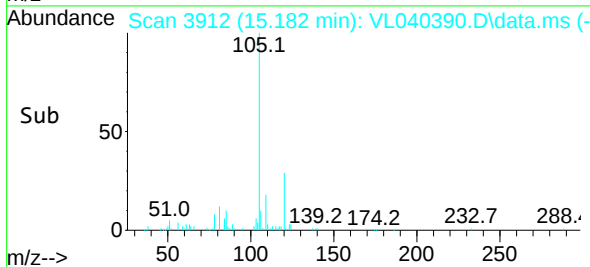
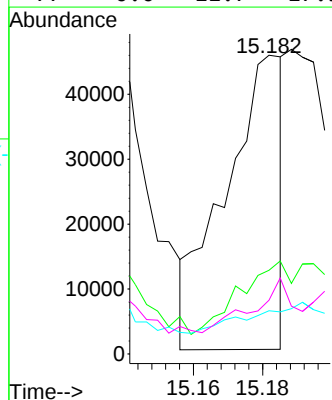
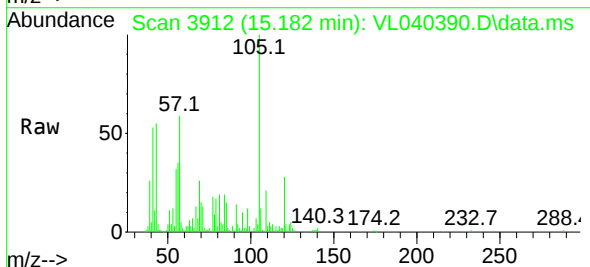
Ion Ratio Lower Upper

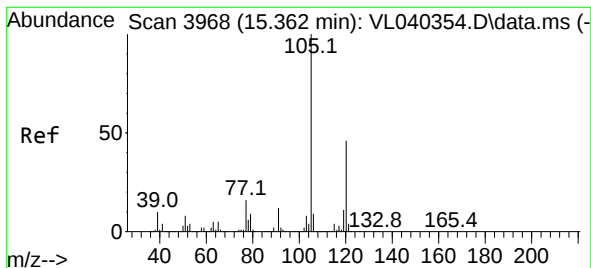
105 100

120 0.0 23.0 34.6#

91 0.0 11.3 16.9#

77 0.0 11.7 17.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.963 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. -0.016 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Instrument :

MSVOA_L

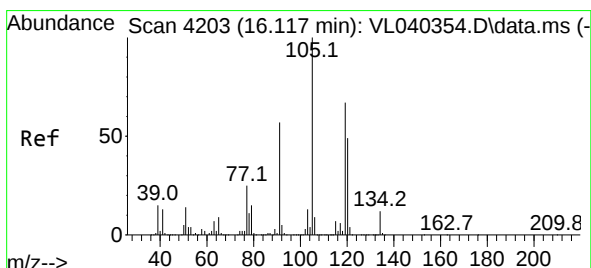
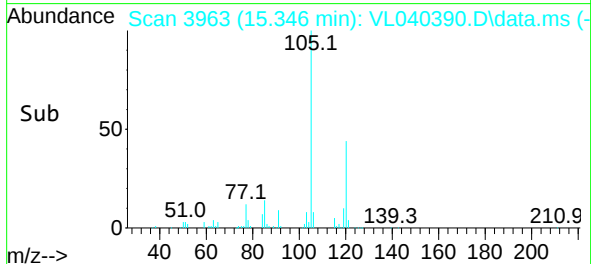
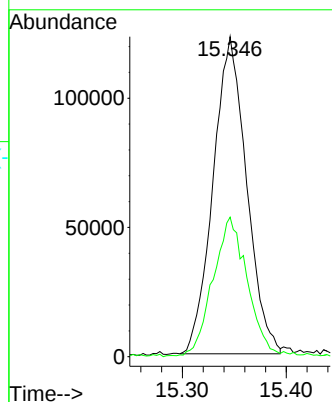
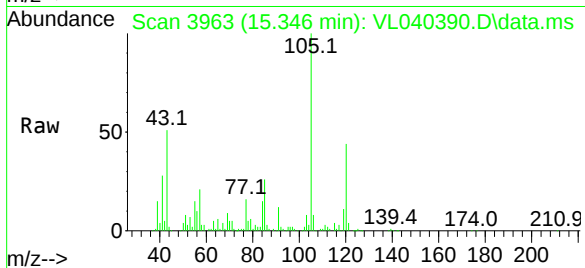
ClientSampleId :

Tgt Ion:105 Resp: 274591

Ion Ratio Lower Upper

105 100

120 43.4 36.9 55.3



#74

1,2,4-Trimethylbenzene

Concen: 0.945 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. -0.012 min

Lab File: VL040390.D

Acq: 19 Apr 2023 21:45

Tgt Ion:105 Resp: 307969

Ion Ratio Lower Upper

105 100

120 40.7 38.9 58.3

91 12.3 46.0 69.0#

77 15.1 20.0 30.0#

