

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080423\
 Data File : VL040588.D
 Acq On : 4 Aug 2023 11:23
 Operator : SY/MD
 Sample : 03858-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1ADUP

Quant Time: Aug 05 01:07:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1157757	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.648	114	2978668	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.468	117	2551626	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1995399	9.881	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.723	85	63942	0.276	ppbv	99
3) Chlorodifluoromethane	2.665	51	86726	0.473	ppbv #	78
4) Chloromethane	2.806	50	40537	0.558	ppbv	95
9) Propene	2.864	41	810619	12.903	ppbv	94
10) Heptane	7.571	43	10506	0.076	ppbv #	1
11) Trichlorofluoromethane	3.555	101	42667	0.228	ppbv #	83
12) 1,1,2-Trichlorotrifluo...	4.057	101	6041	0.046	ppbv #	35
13) Ethanol	3.237	45	151541	11.087	ppbv	99
15) Acetone	3.465	43	715853	5.372	ppbv	95
16) 1,3-Butadiene	2.957	39	8667	0.129	ppbv #	58
17) tert-Butyl alcohol	3.886	59	9188	0.067	ppbv #	67
19) Isopropyl Alcohol	3.584	45	86993	1.137	ppbv #	72
20) Methylene Chloride	3.928	84	2380528	41.994	ppbv	97
21) Allyl Chloride	3.925	41	88245	1.160	ppbv #	24
23) Vinyl Acetate	4.623	43	4711	0.037	ppbv #	66
25) Ethyl Acetate	5.208	43	1721368	6.785	ppbv #	75
26) Hexane	5.208	57	2612945	22.169	ppbv #	40
27) Carbon Disulfide	4.118	76	7909	0.057	ppbv #	73
29) Chloroform	5.269	83	10109	0.052	ppbv #	76
30) Cyclohexane	6.594	84	4187	0.043	ppbv #	15
34) 2-Butanone	4.793	43	128247	0.871	ppbv	96
36) Benzene	6.365	78	21495	0.090	ppbv #	94
39) 1,2-Dichloropropane	6.648	63	740740	8.029	ppbv #	26
41) Tetrahydrofuran	5.208	42	915018	10.653	ppbv #	48
52) Tetrachloroethene	10.616	164	34581	0.446	ppbv	93
53) Toluene	9.221	91	71917	0.276	ppbv	96
58) Ethyl Benzene	12.086	91	13282	0.041	ppbv	89
62) Isopropylbenzene	14.028	105	16516	0.040	ppbv #	69
64) n-propylbenzene	14.918	120	19749	0.187	ppbv #	1
65) tert-Butylbenzene	16.105	119	177883	0.492	ppbv #	57
66) Benzyl Chloride	16.111	91	207108	8.104	ppbv #	64
67) sec-Butylbenzene	16.635	105	24822	0.047	ppbv #	68
69) p-Isopropyltoluene	16.995	119	26367	0.060	ppbv #	33
70) n-Butylbenzene	17.889	91	78152	0.160	ppbv #	53
72) 4-Ethyltoluene	15.195	105	241299	0.756	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	392208	1.394	ppbv	91
74) 1,2,4-Trimethylbenzene	16.108	105	1621904	4.945	ppbv #	66
75) 1,3-Dichlorobenzene	16.474	146	1230959	6.190	ppbv	98
76) 1,4-Dichlorobenzene	16.474	146	1230959	6.313	ppbv	97
79) Naphthalene	21.378	128	84777	0.305	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	5458	0.048	ppbv #	77

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

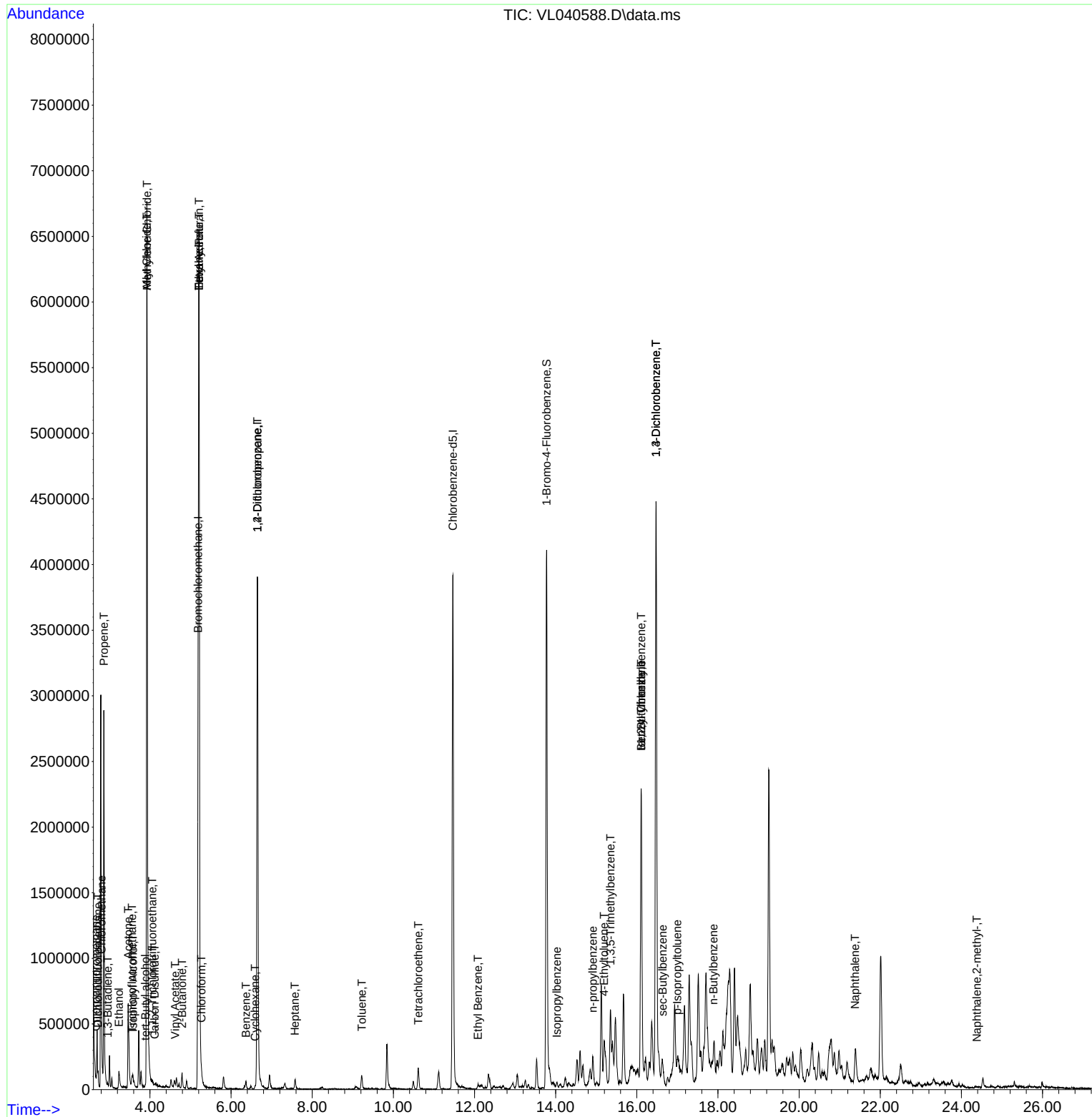
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

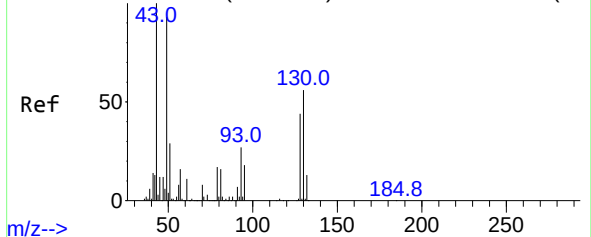
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Abundance Scan 804 (5.189 min): VL040455.D\data.ms (-78)



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.185 min Scan# 80

Delta R.T. -0.017 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

Instrument :

MSVOA_L

ClientSampleId :

IA1ADUP

Tgt Ion: 49 Resp: 1157757

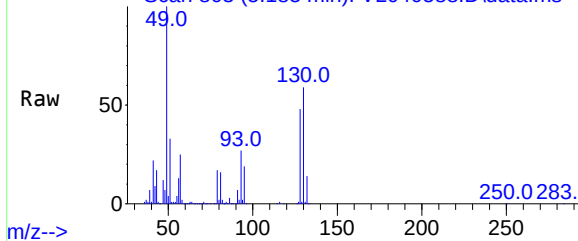
Ion Ratio Lower Upper

49 100

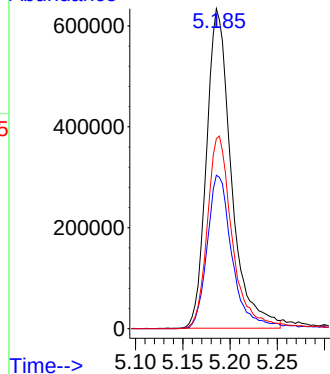
128 50.0 25.1 75.4

130 62.3 31.6 94.7

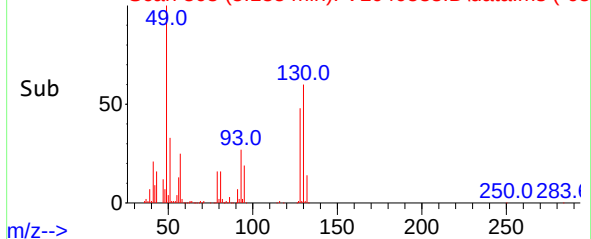
Abundance Scan 803 (5.185 min): VL040588.D\data.ms



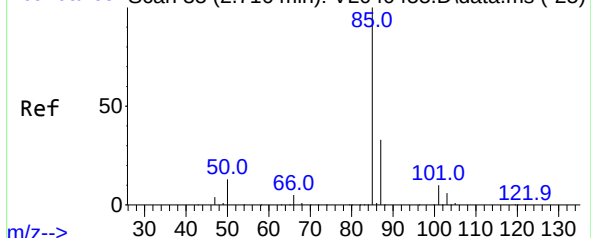
Abundance



Abundance Scan 803 (5.185 min): VL040588.D\data.ms (-65)



Abundance Scan 35 (2.716 min): VL040455.D\data.ms (-25)



#2

Dichlorodifluoromethane

Concen: 0.276 ppbv

RT: 2.723 min Scan# 37

Delta R.T. -0.016 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

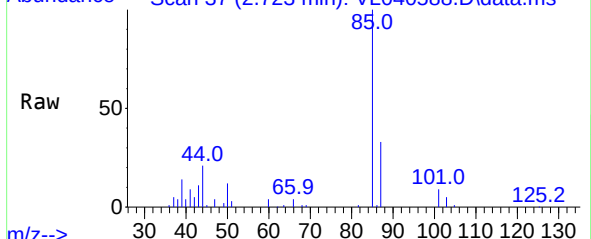
Tgt Ion: 85 Resp: 63942

Ion Ratio Lower Upper

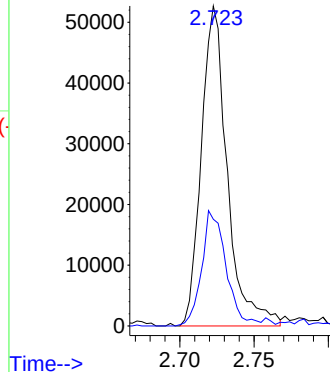
85 100

87 32.9 26.8 40.2

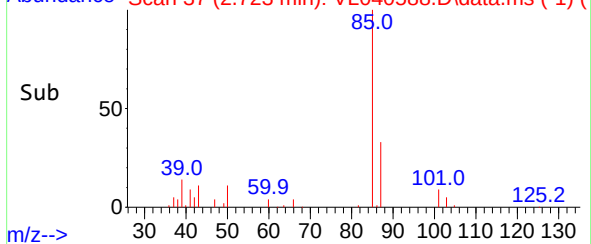
Abundance Scan 37 (2.723 min): VL040588.D\data.ms

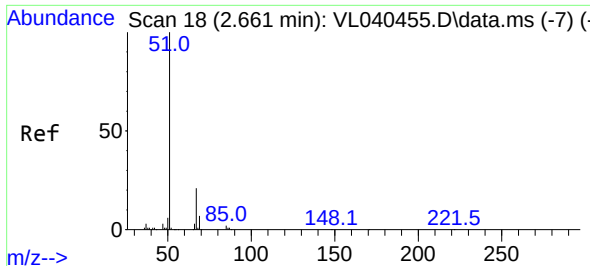


Abundance



Abundance Scan 37 (2.723 min): VL040588.D\data.ms (-1)

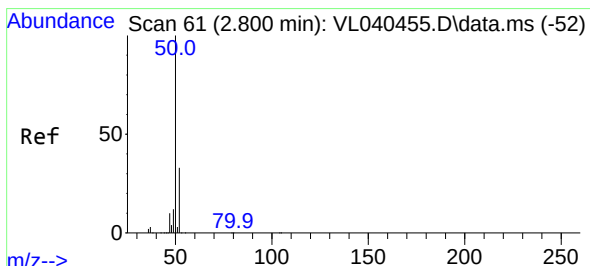
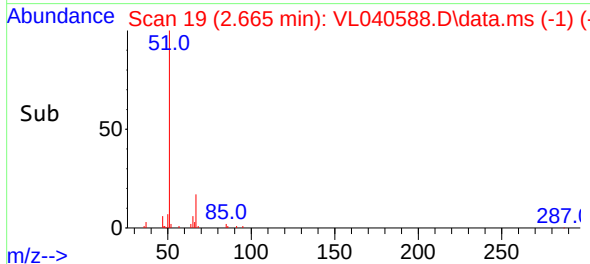
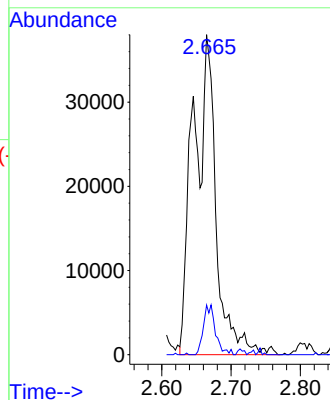
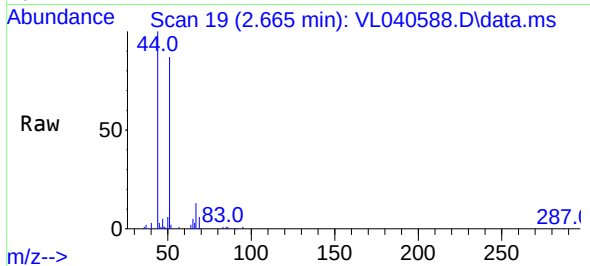




#3
Chlorodifluoromethane
Concen: 0.473 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.019 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

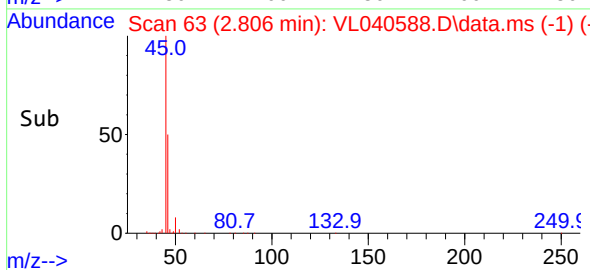
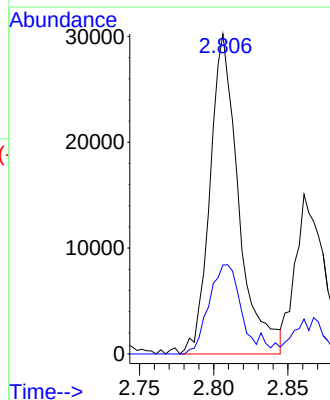
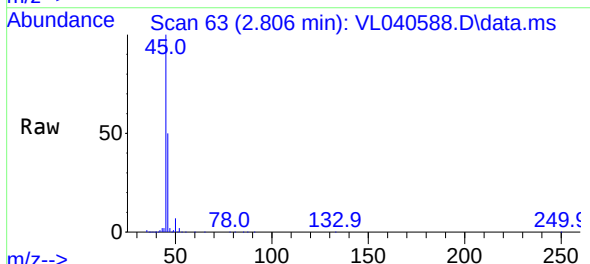
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Tgt Ion: 51 Resp: 86726
Ion Ratio Lower Upper
51 100
67 8.3 14.6 21.8#

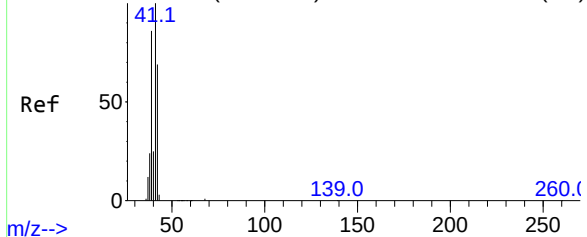


#4
Chloromethane
Concen: 0.558 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion: 50 Resp: 40537
Ion Ratio Lower Upper
50 100
52 28.0 24.4 36.6



Abundance Scan 23 (2.677 min): VL040455.D\data.ms (-15)

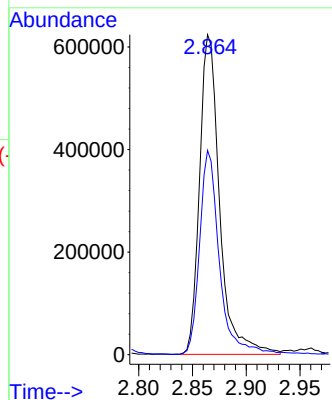
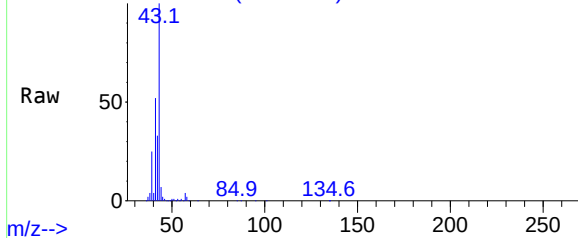


#9
Propene
Concen: 12.903 ppbv
RT: 2.864 min Scan# 81
Delta R.T. 0.161 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

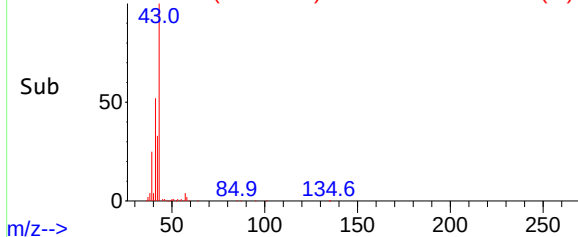
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Tgt Ion: 41 Resp: 810619
Ion Ratio Lower Upper
41 100
42 63.6 55.0 82.6

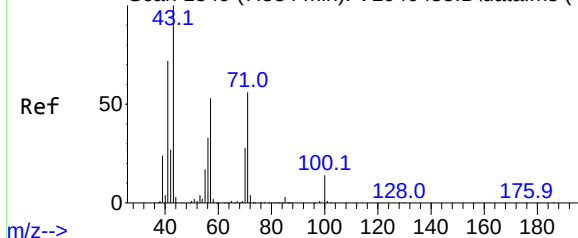
Abundance Scan 81 (2.864 min): VL040588.D\data.ms



Abundance Scan 81 (2.864 min): VL040588.D\data.ms (-1)



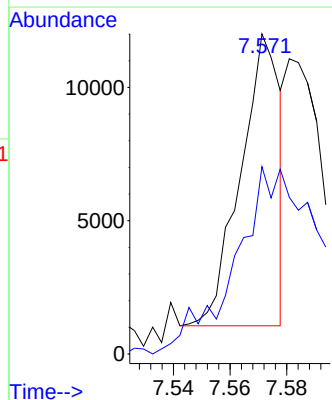
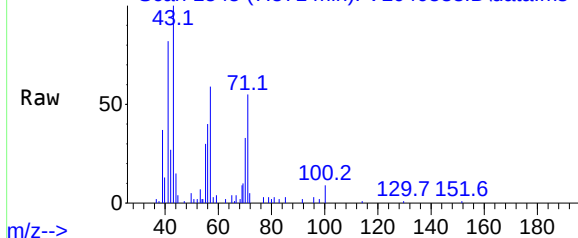
Abundance Scan 1549 (7.584 min): VL040455.D\data.ms (-1)



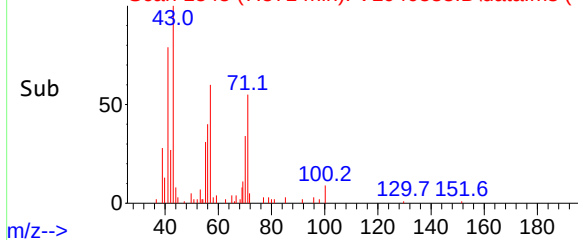
#10
Heptane
Concen: 0.076 ppbv
RT: 7.571 min Scan# 1545
Delta R.T. -0.019 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

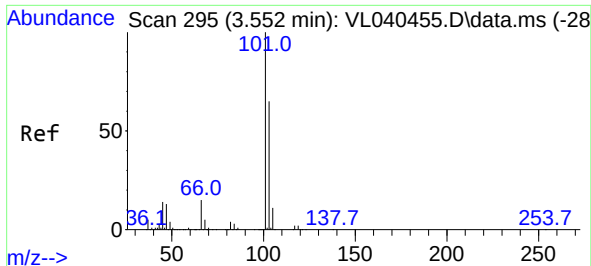
Tgt Ion: 43 Resp: 10506
Ion Ratio Lower Upper
43 100
57 147.7 42.5 63.7#

Abundance Scan 1545 (7.571 min): VL040588.D\data.ms



Abundance Scan 1545 (7.571 min): VL040588.D\data.ms (-1)

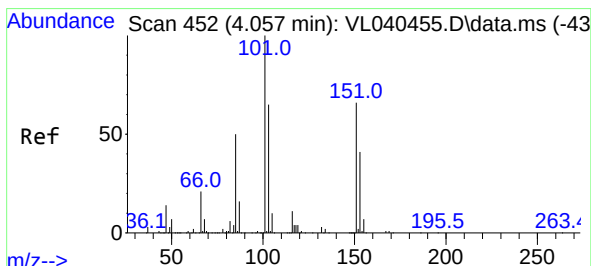
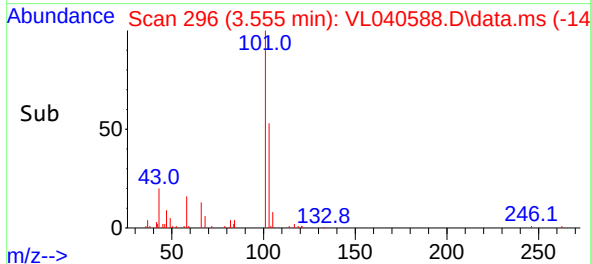
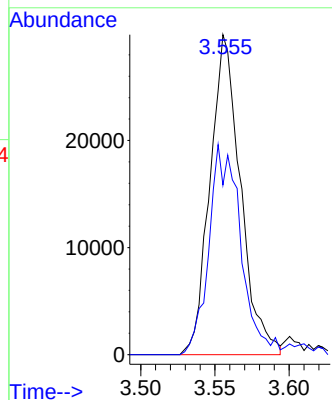
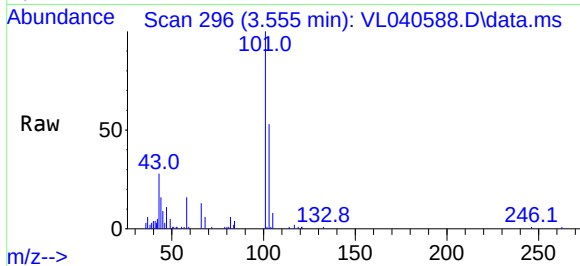




#11
 Trichlorofluoromethane
 Concen: 0.228 ppbv
 RT: 3.555 min Scan# 295
 Delta R.T. -0.016 min
 Lab File: VL040588.D
 Acq: 4 Aug 2023 11:23

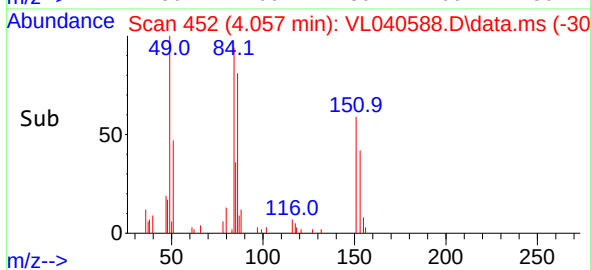
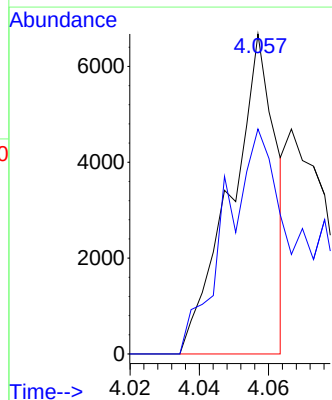
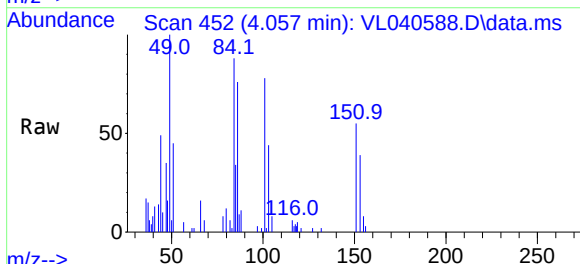
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1ADUP

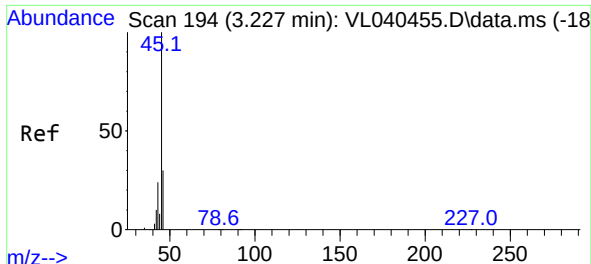
Tgt Ion:101 Resp: 42667
 Ion Ratio Lower Upper
 101 100
 103 53.0 53.4 80.0#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.046 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. -0.016 min
 Lab File: VL040588.D
 Acq: 4 Aug 2023 11:23

Tgt Ion:101 Resp: 6041
 Ion Ratio Lower Upper
 101 100
 151 127.0 58.2 87.4#





#13

Ethanol

Concen: 11.087 ppbv

RT: 3.237 min Scan# 194

Delta R.T. -0.010 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

Instrument :

MSVOA_L

ClientSampleId :

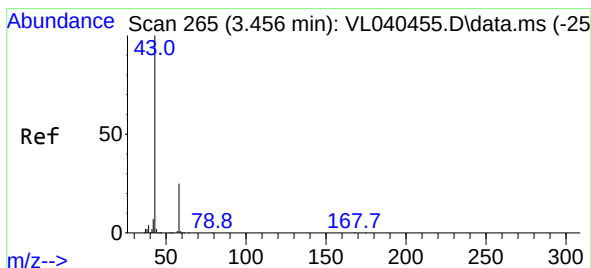
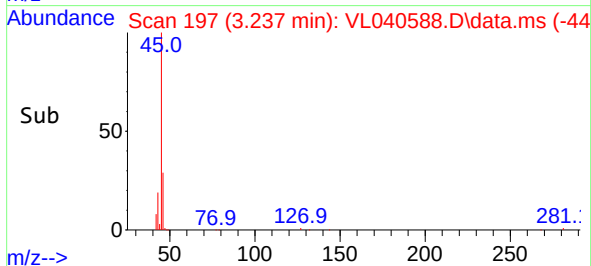
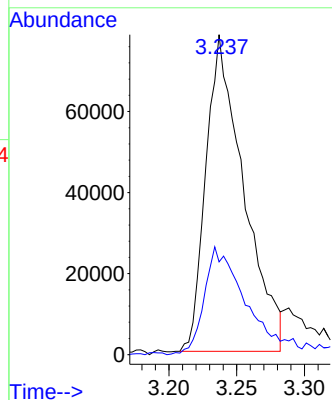
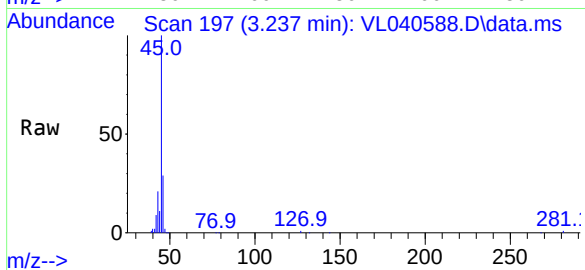
IA1ADUP

Tgt Ion: 45 Resp: 151541

Ion Ratio Lower Upper

45 100

46 38.9 15.3 61.1



#15

Acetone

Concen: 5.372 ppbv

RT: 3.465 min Scan# 268

Delta R.T. -0.010 min

Lab File: VL040588.D

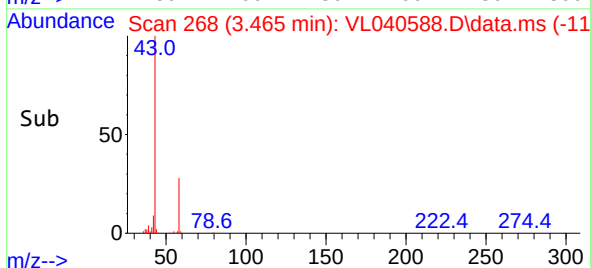
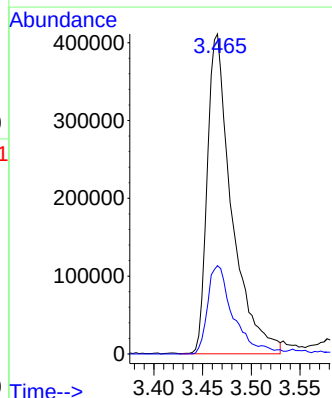
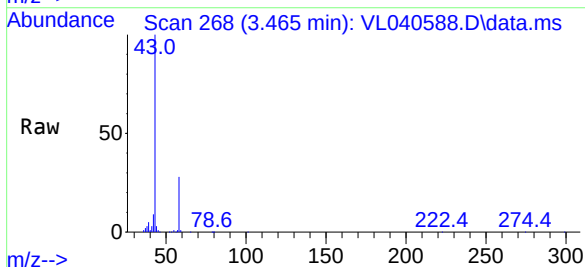
Acq: 4 Aug 2023 11:23

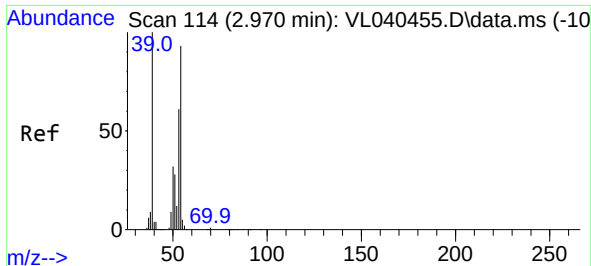
Tgt Ion: 43 Resp: 715853

Ion Ratio Lower Upper

43 100

58 31.0 22.9 34.3





#16

1,3-Butadiene

Concen: 0.129 ppbv

RT: 2.957 min Scan# 114

Delta R.T. -0.035 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

Instrument :

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ClientSampleId :

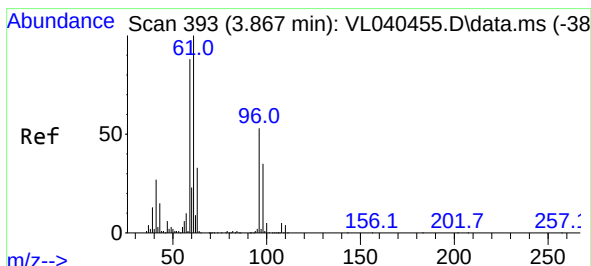
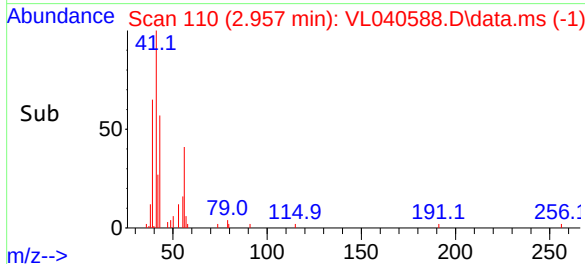
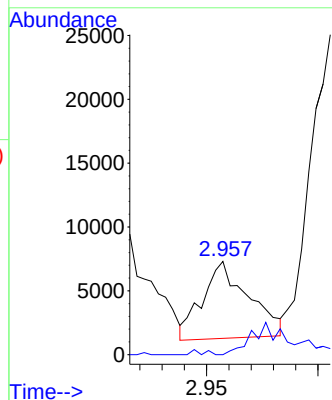
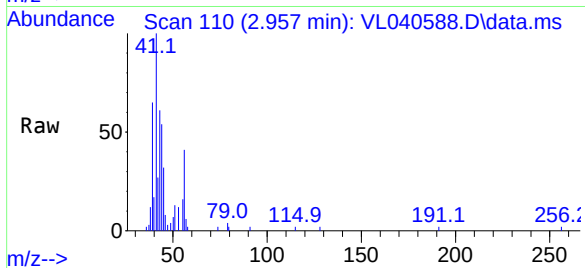
IA1ADUP

Tgt Ion: 39 Resp: 8667

Ion Ratio Lower Upper

39 100

54 45.0 66.6 100.0#



#17

tert-Butyl alcohol

Concen: 0.067 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.003 min

Lab File: VL040588.D

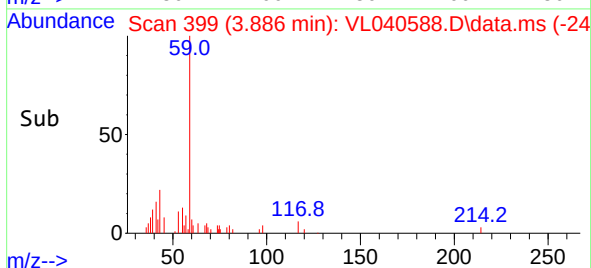
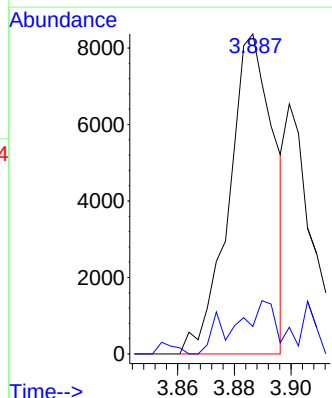
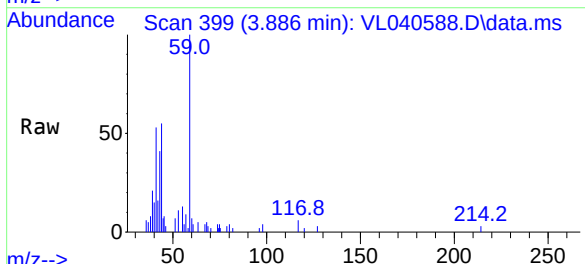
Acq: 4 Aug 2023 11:23

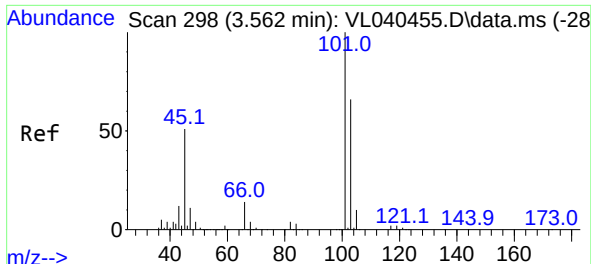
Tgt Ion: 59 Resp: 9188

Ion Ratio Lower Upper

59 100

57 23.3 8.7 13.1#





#19

Isopropyl Alcohol

Concen: 1.137 ppbv

RT: 3.584 min Scan# 305

Delta R.T. 0.003 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

Instrument :

MSVOA_1

ClientSampleId :

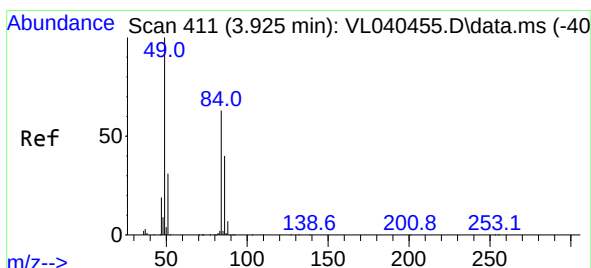
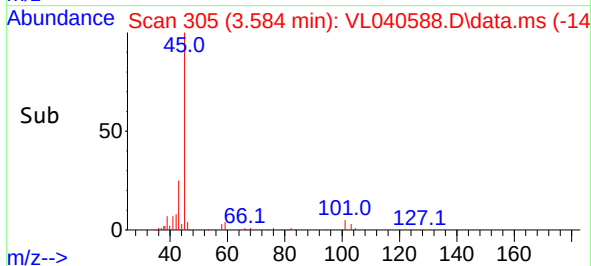
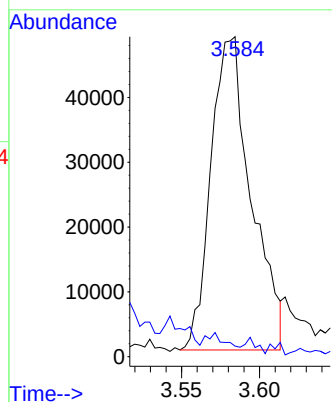
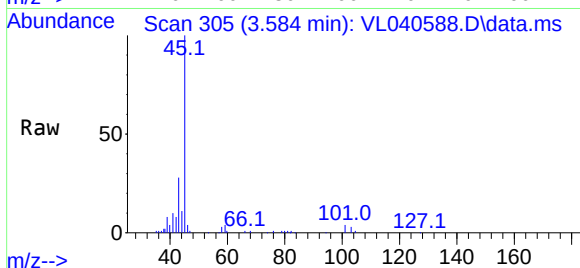
IA1ADUP

Tgt Ion: 45 Resp: 86993

Ion Ratio Lower Upper

45 100

58 12.2 1.1 1.7#



#20

Methylene Chloride

Concen: 41.994 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.013 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

Tgt Ion: 84 Resp: 2380528

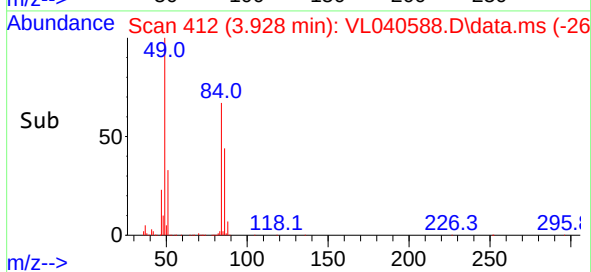
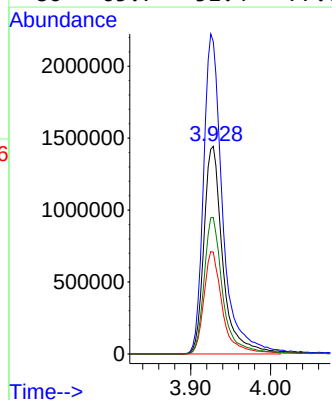
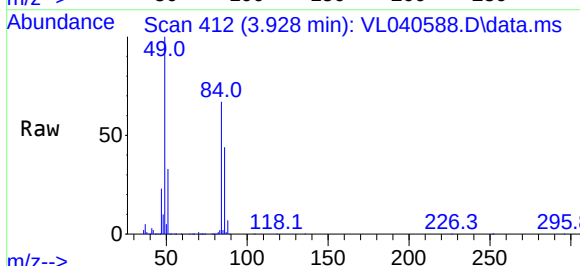
Ion Ratio Lower Upper

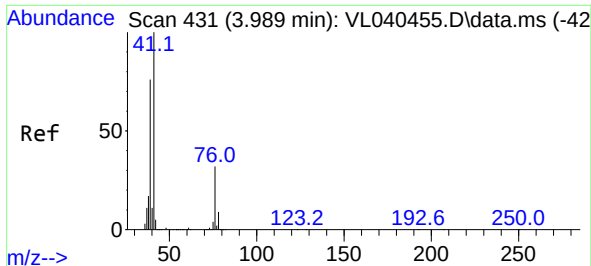
84 100

49 150.3 123.4 185.2

51 49.0 38.3 57.5

86 65.7 51.4 77.0





#21

Allyl Chloride

Concen: 1.160 ppbv

RT: 3.925 min Scan# 41

Delta R.T. -0.080 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

Instrument :

MSVOA_L

ClientSampleId :

IA1ADUP

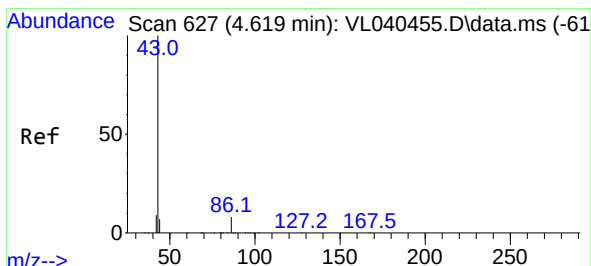
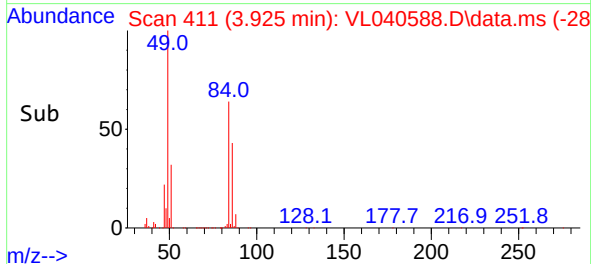
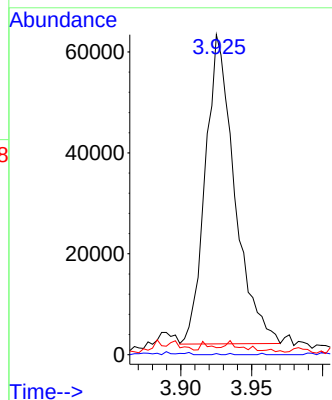
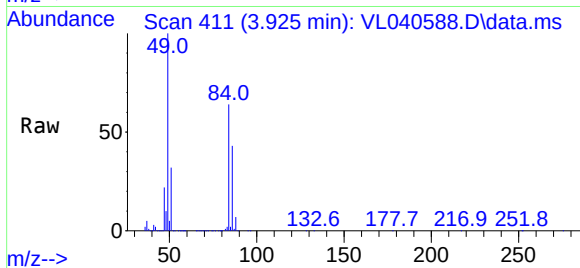
Tgt Ion: 41 Resp: 88245

Ion Ratio Lower Upper

41 100

76 0.3 24.8 37.2#

39 4.1 60.6 91.0#



#23

Vinyl Acetate

Concen: 0.037 ppbv

RT: 4.623 min Scan# 628

Delta R.T. -0.013 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

Tgt Ion: 43 Resp: 4711

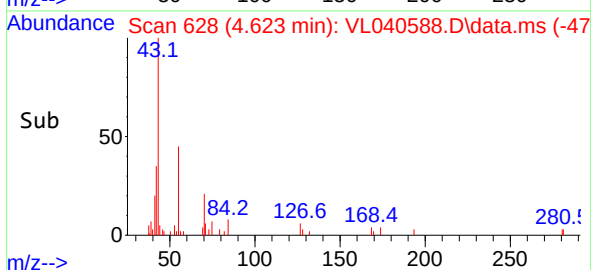
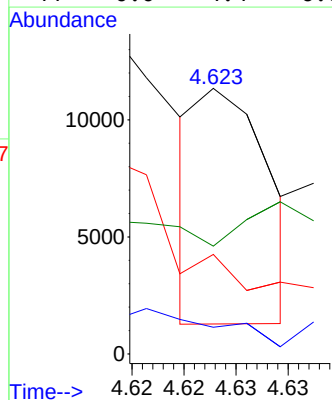
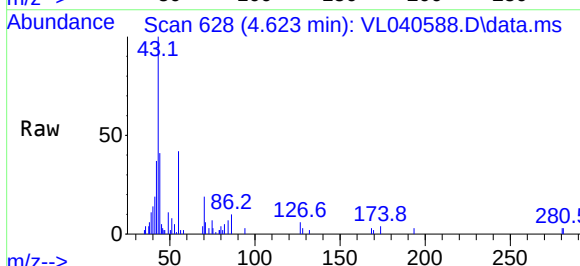
Ion Ratio Lower Upper

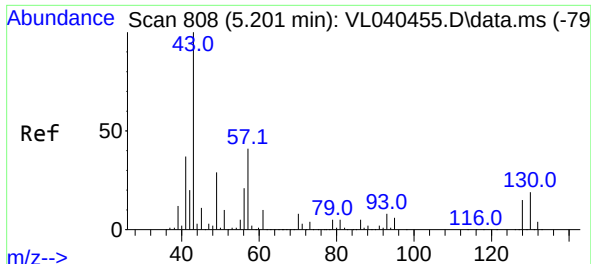
43 100

86 18.1 5.6 8.4#

42 25.7 7.4 11.2#

44 0.0 4.4 6.6#



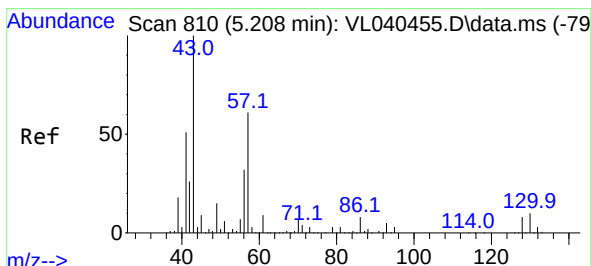
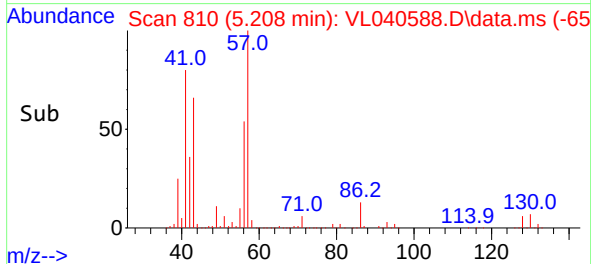
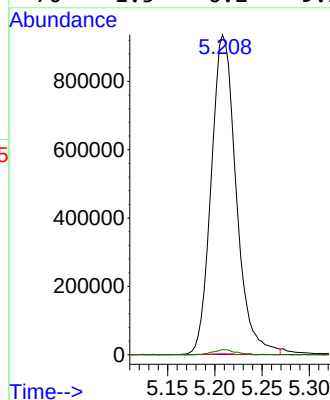
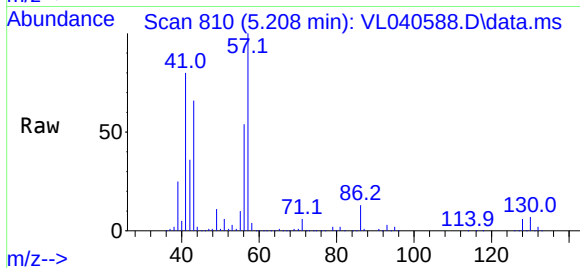


#25
Ethyl Acetate
Concen: 6.785 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Tgt Ion: 43 Resp: 1721368

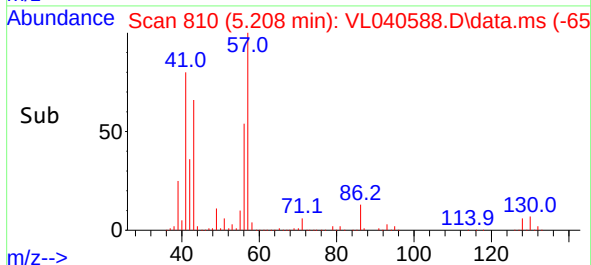
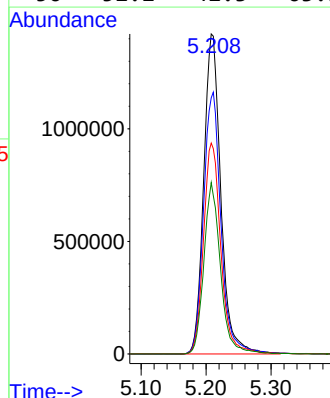
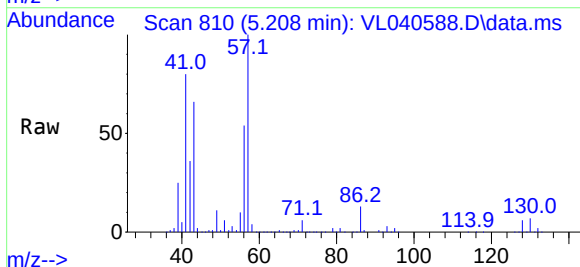
Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.2	12.4#
61	0.2	8.3	12.5#
70	1.5	6.2	9.2#

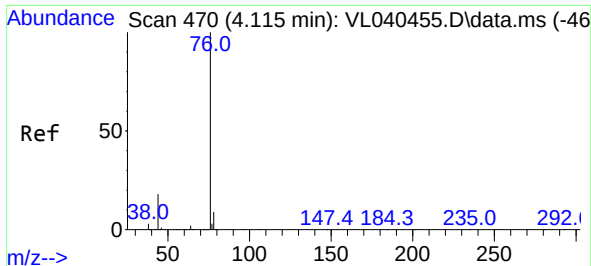


#26
Hexane
Concen: 22.169 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.013 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion: 57 Resp: 2612945

Ion	Ratio	Lower	Upper
57	100		
41	83.9	69.5	104.3
43	66.8	177.1	265.7#
56	52.2	42.3	63.5





#27

Carbon Disulfide

Concen: 0.057 ppbv

RT: 4.118 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

Instrument :

MSVOA_L

ClientSampleId :

IA1ADUP

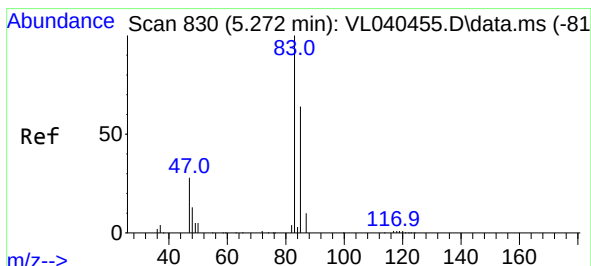
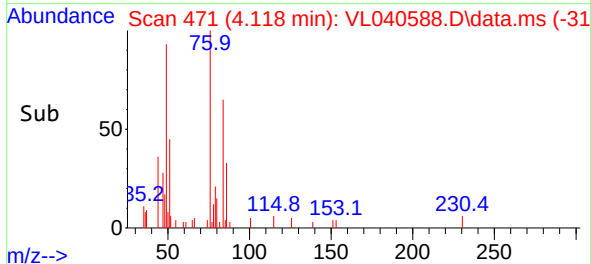
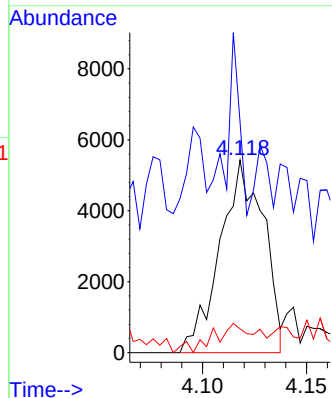
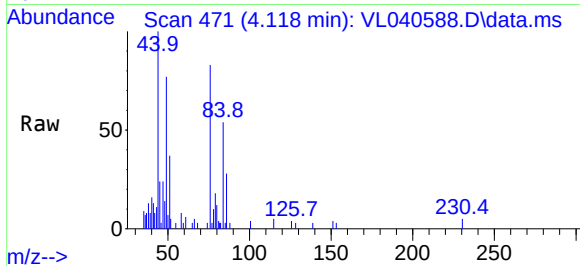
Tgt Ion: 76 Resp: 7909

Ion Ratio Lower Upper

76 100

44 31.3 15.1 22.7#

78 0.0 7.5 11.3#



#29

Chloroform

Concen: 0.052 ppbv

RT: 5.269 min Scan# 829

Delta R.T. -0.016 min

Lab File: VL040588.D

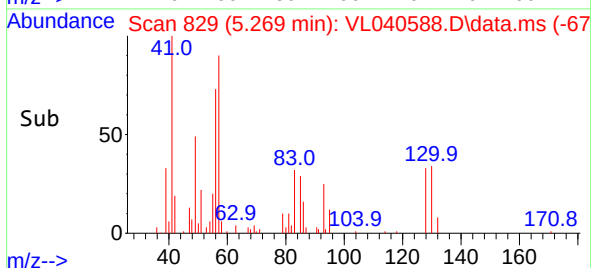
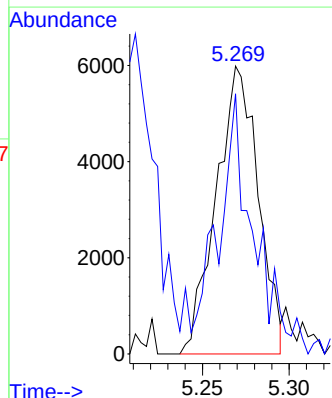
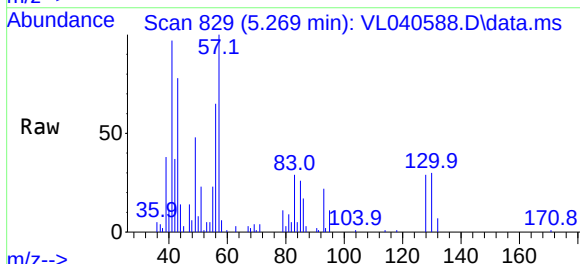
Acq: 4 Aug 2023 11:23

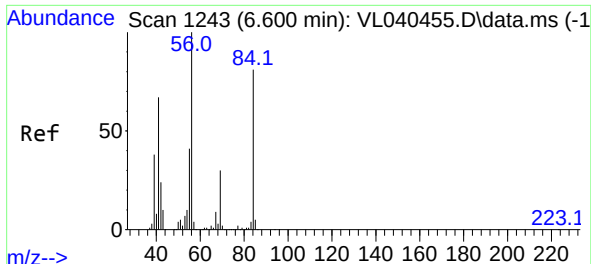
Tgt Ion: 83 Resp: 10109

Ion Ratio Lower Upper

83 100

85 82.5 51.1 76.7#

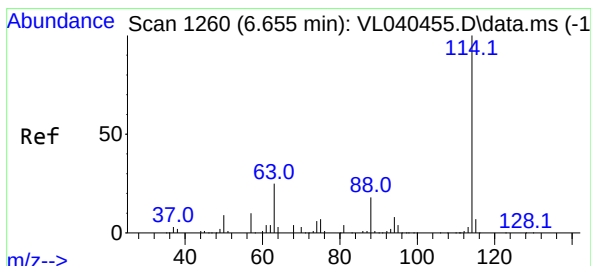
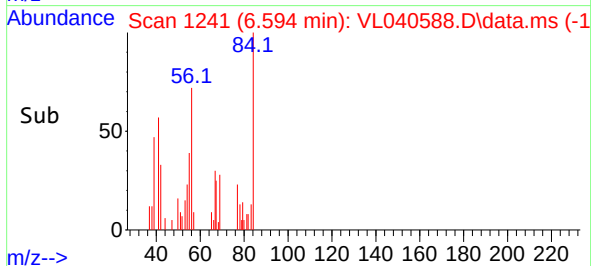
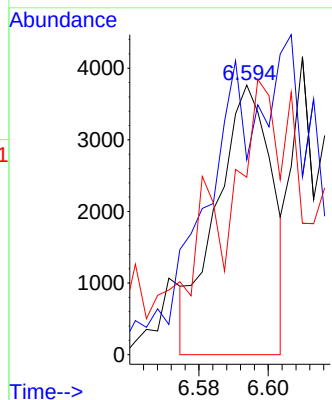
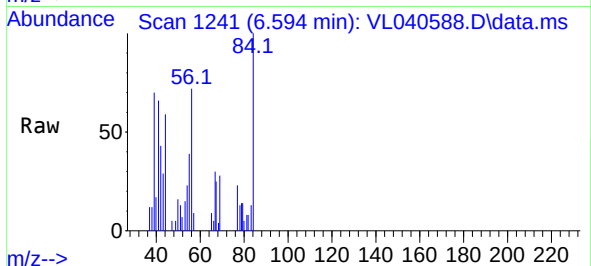




#30
Cyclohexane
Concen: 0.043 ppbv
RT: 6.594 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

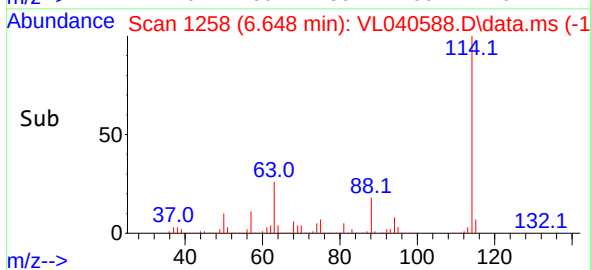
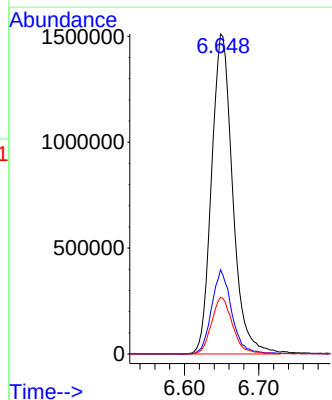
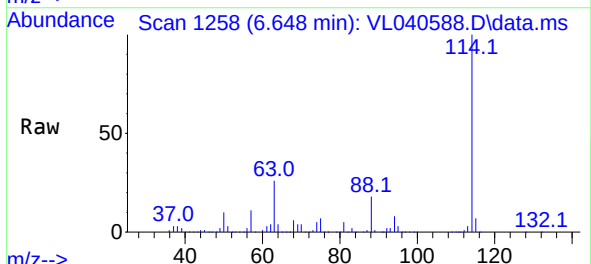
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

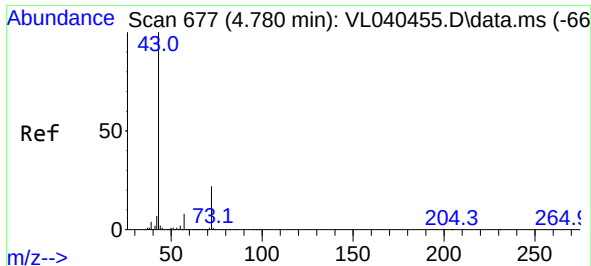
Tgt Ion: 84 Resp: 4187
Ion Ratio Lower Upper
84 100
56 172.7 108.7 163.1#
41 237.3 64.5 96.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion: 114 Resp: 2978668
Ion Ratio Lower Upper
114 100
63 25.3 19.6 29.4
88 17.8 14.2 21.2

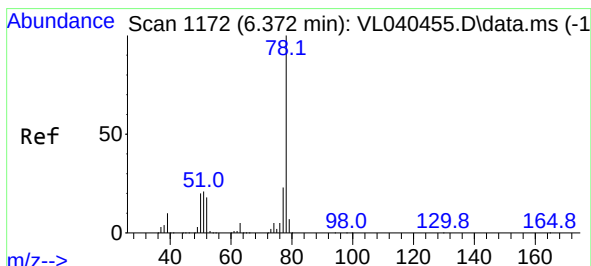
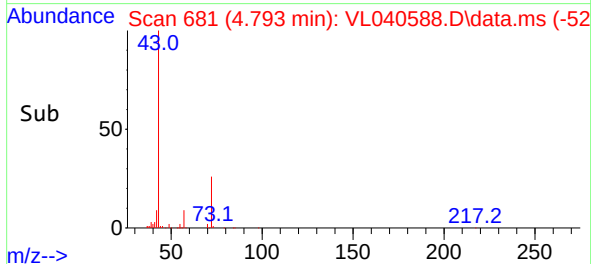
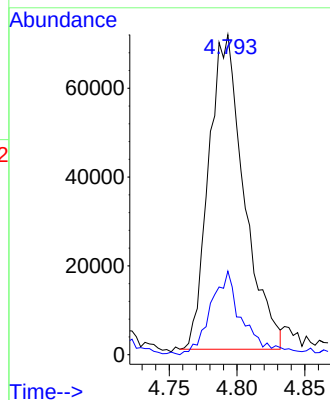
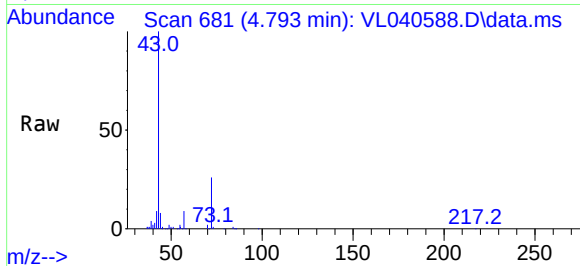




#34
2-Butanone
Concen: 0.871 ppbv
RT: 4.793 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

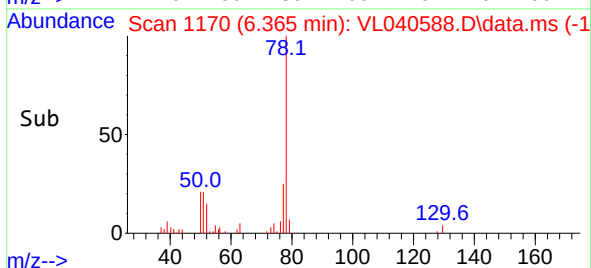
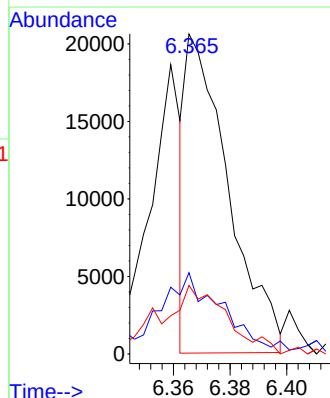
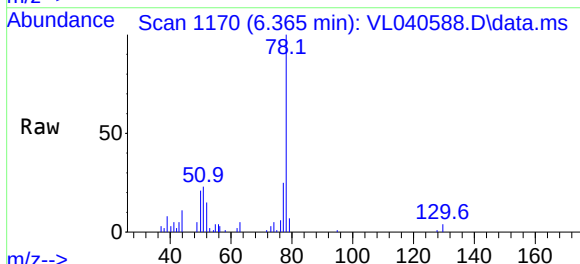
Instrument :
MSVOA_1
ClientSampleId :
IA1ADUP

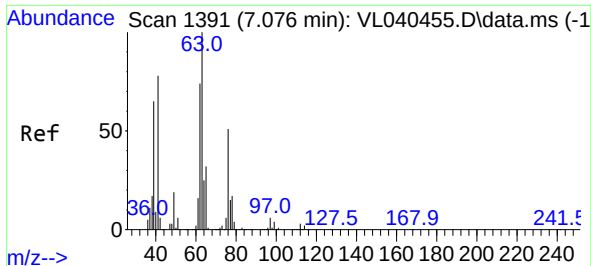
Tgt Ion: 43 Resp: 128247
Ion Ratio Lower Upper
43 100
72 25.7 19.1 28.7



#36
Benzene
Concen: 0.090 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion: 78 Resp: 21495
Ion Ratio Lower Upper
78 100
77 22.8 17.4 26.0
50 22.8 14.4 21.6#





#39

1,2-Dichloropropane

Concen: 8.029 ppbv

RT: 6.648 min Scan# 1

Delta R.T. -0.434 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

Instrument :

MSVOA_L

ClientSampleId :

IA1ADUP

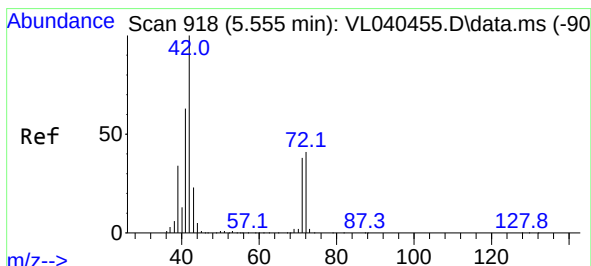
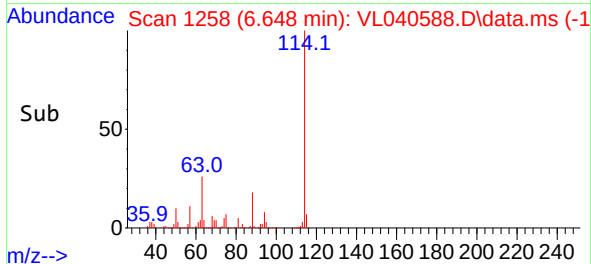
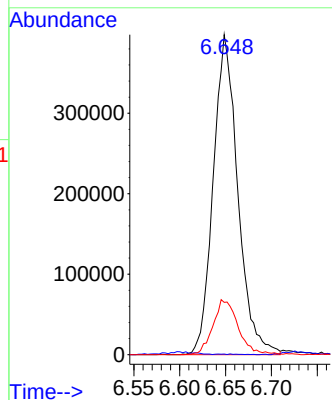
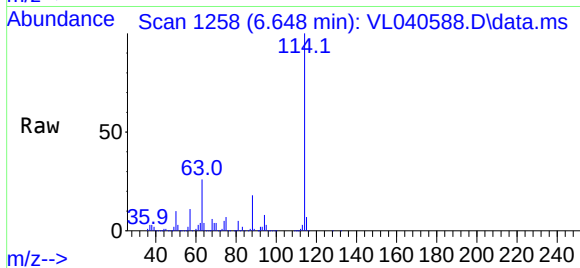
Tgt Ion: 63 Resp: 740740

Ion Ratio Lower Upper

63 100

41 0.0 54.3 81.5#

62 16.4 55.6 83.4#



#41

Tetrahydrofuran

Concen: 10.653 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.357 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

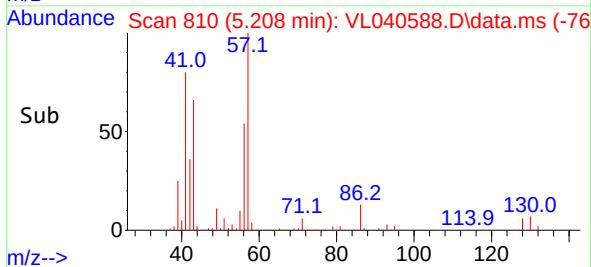
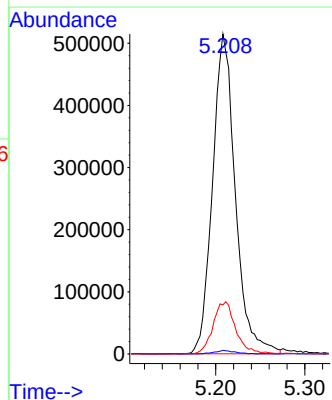
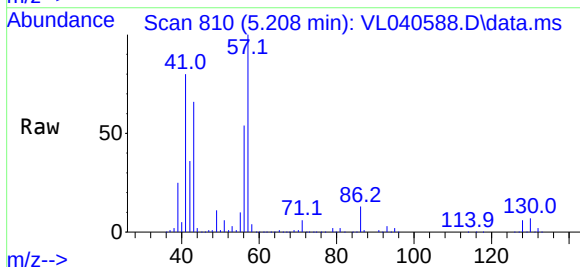
Tgt Ion: 42 Resp: 915018

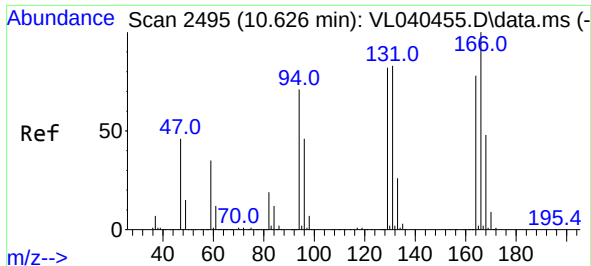
Ion Ratio Lower Upper

42 100

72 1.0 33.8 50.8#

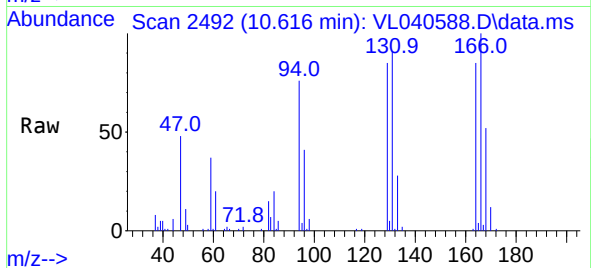
71 16.5 33.0 49.6#



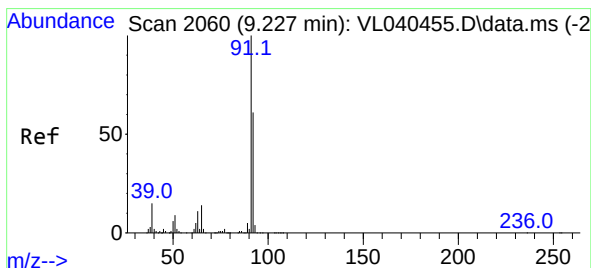
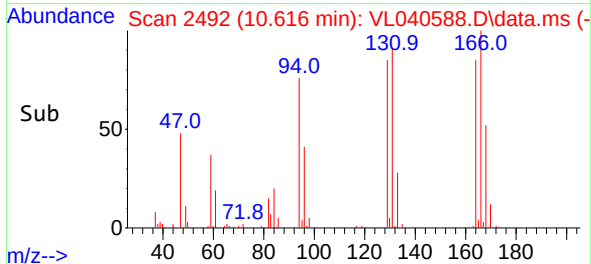
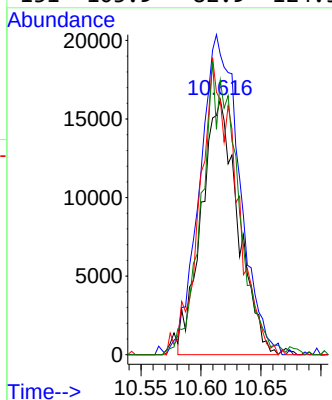


#52
Tetrachloroethene
Concen: 0.446 ppbv
RT: 10.616 min Scan# 2495
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

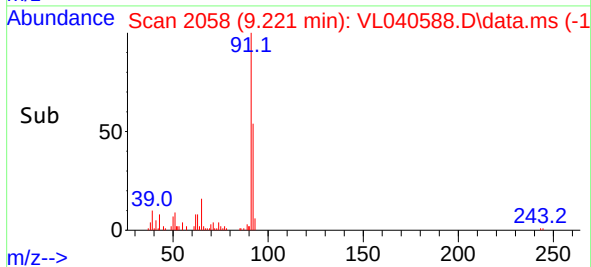
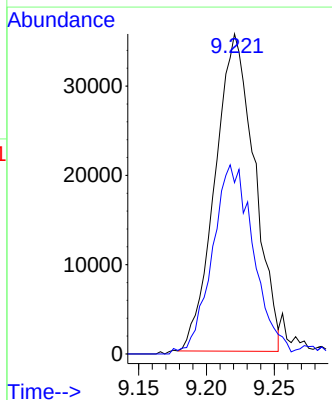
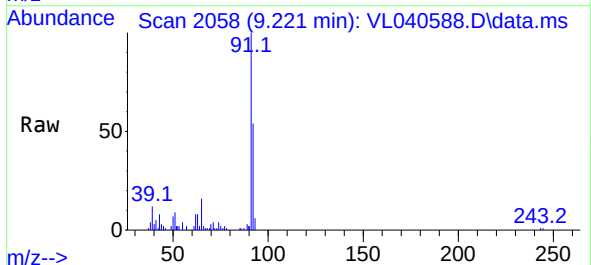


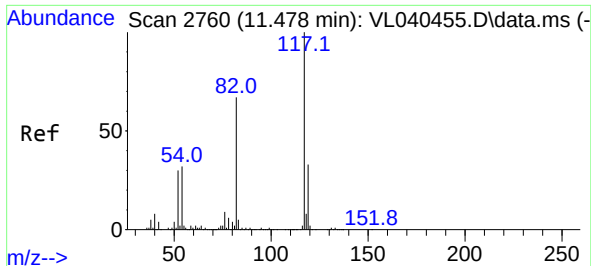
Tgt Ion:164 Resp: 34581
Ion Ratio Lower Upper
164 100
166 113.1 103.9 155.9
129 99.9 84.6 126.8
131 103.9 82.9 124.3



#53
Toluene
Concen: 0.276 ppbv
RT: 9.221 min Scan# 2058
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion: 91 Resp: 71917
Ion Ratio Lower Upper
91 100
92 64.2 49.1 73.7

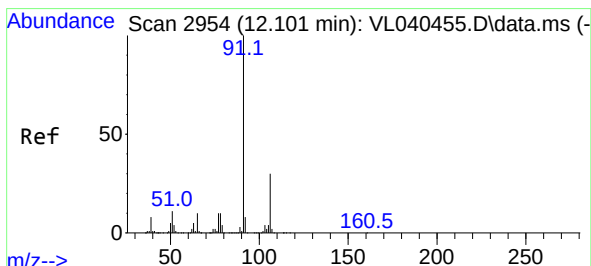
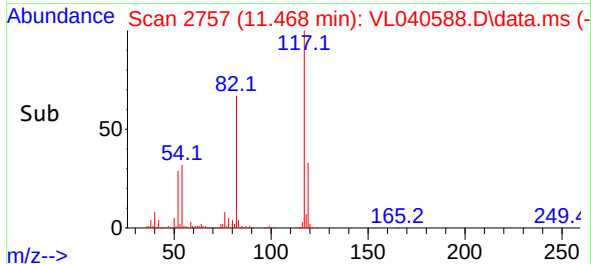
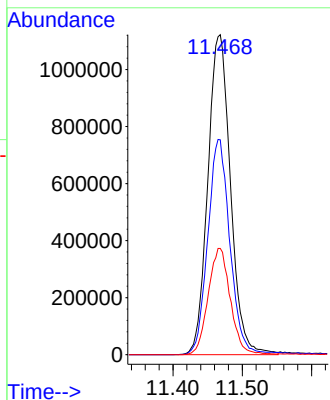
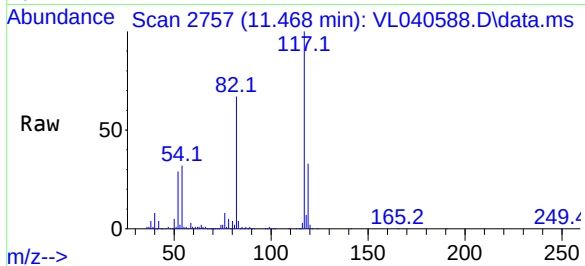




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 211
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

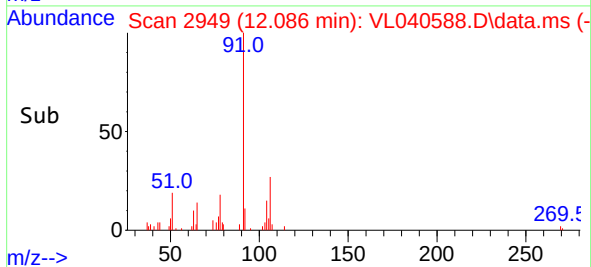
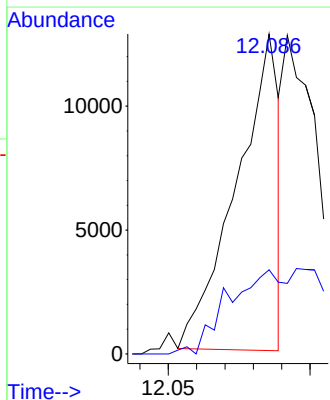
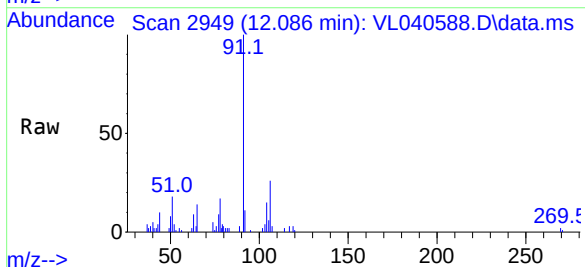
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

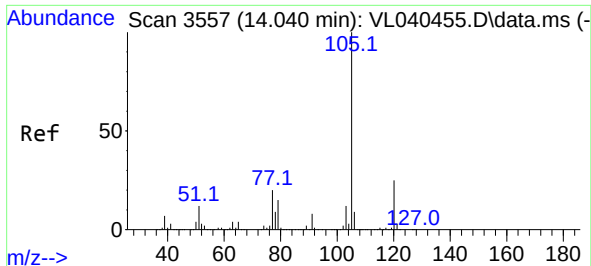
Tgt Ion:117 Resp: 2551626
Ion Ratio Lower Upper
117 100
82 66.5 50.2 75.4
119 32.6 26.9 40.3



#58
Ethyl Benzene
Concen: 0.041 ppbv
RT: 12.086 min Scan# 2949
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion: 91 Resp: 13282
Ion Ratio Lower Upper
91 100
106 25.5 25.4 38.0

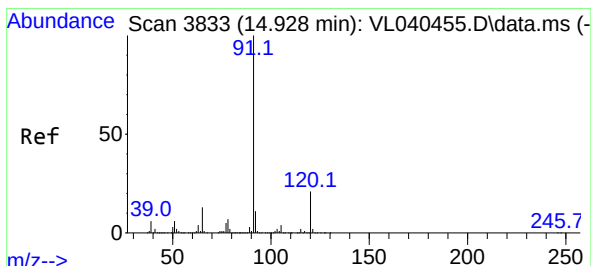
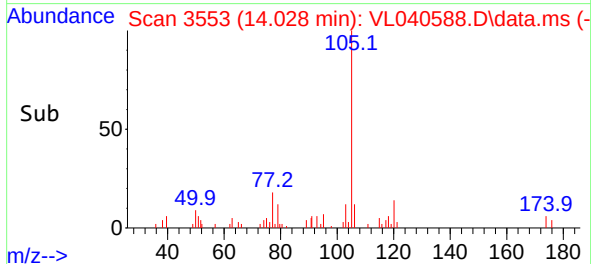
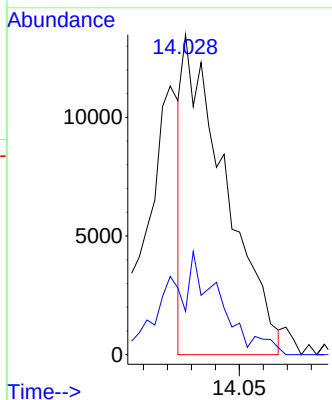
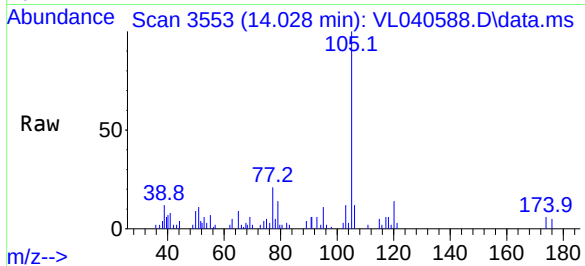




#62
Isopropylbenzene
Concen: 0.040 ppbv
RT: 14.028 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

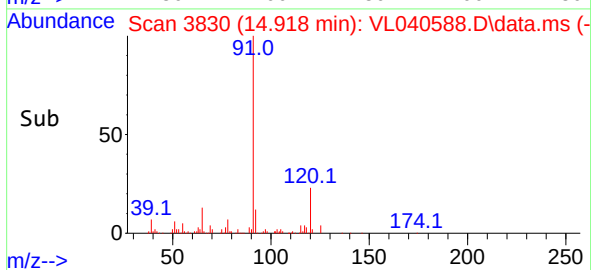
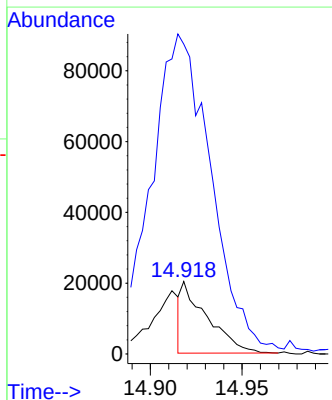
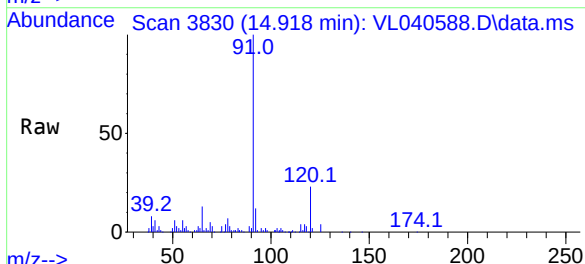
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

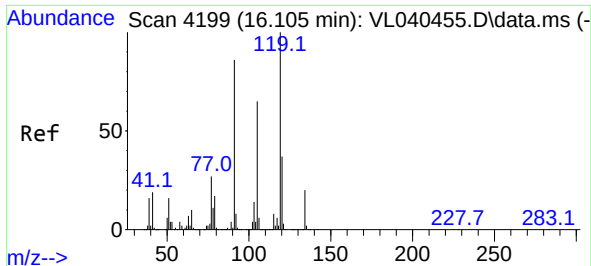
Tgt Ion:105 Resp: 16516
Ion Ratio Lower Upper
105 100
120 41.9 20.8 31.2#



#64
n-propylbenzene
Concen: 0.187 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. -0.013 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion:120 Resp: 19749
Ion Ratio Lower Upper
120 100
91 1049.6 374.3 561.5#

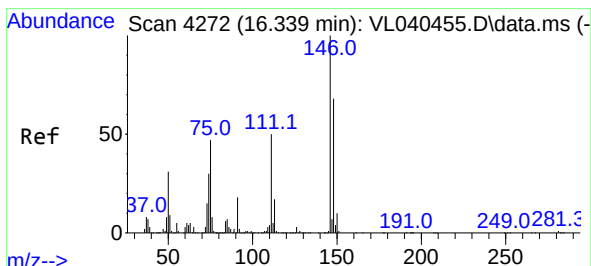
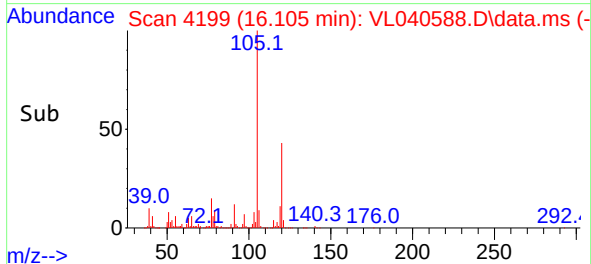
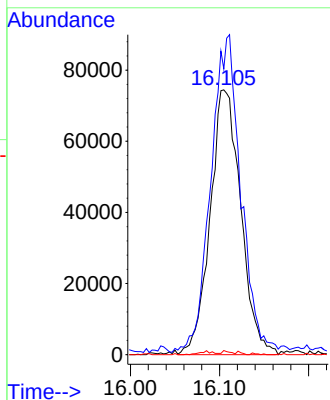
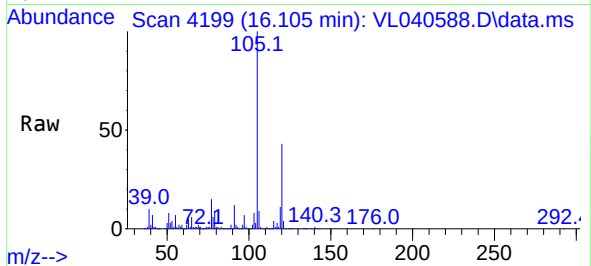




#65
tert-Butylbenzene
Concen: 0.492 ppbv
RT: 16.105 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

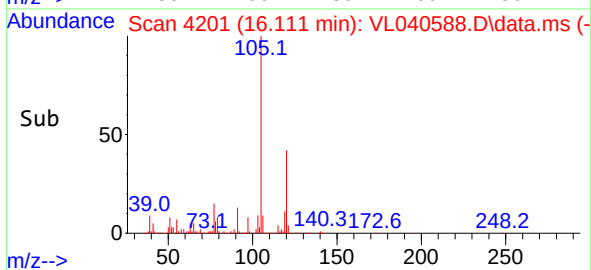
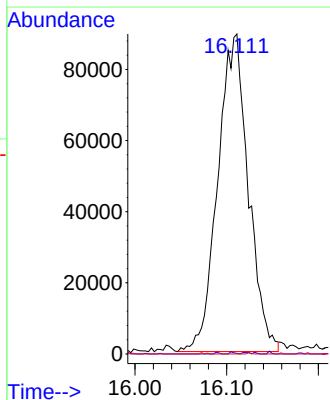
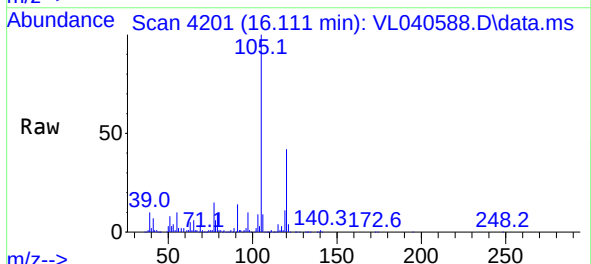
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

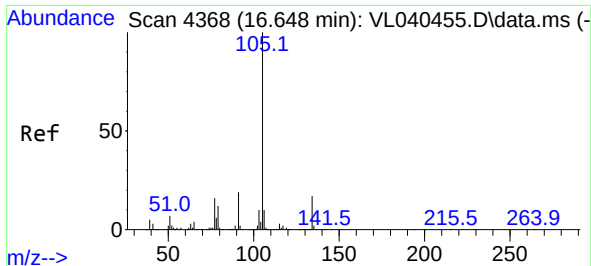
Tgt Ion:119 Resp: 177883
Ion Ratio Lower Upper
119 100
91 121.7 66.1 99.1#
134 0.7 15.7 23.5#



#66
Benzyl Chloride
Concen: 8.104 ppbv
RT: 16.111 min Scan# 4201
Delta R.T. -0.225 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion: 91 Resp: 207108
Ion Ratio Lower Upper
91 100
126 0.4 15.4 23.2#
128 0.0 4.5 6.7#

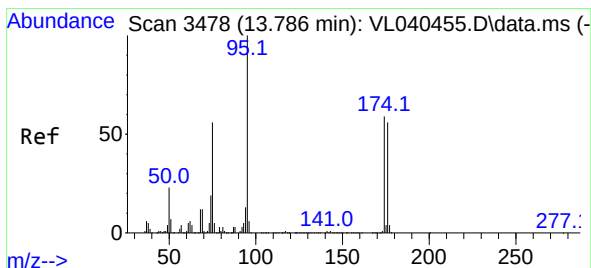
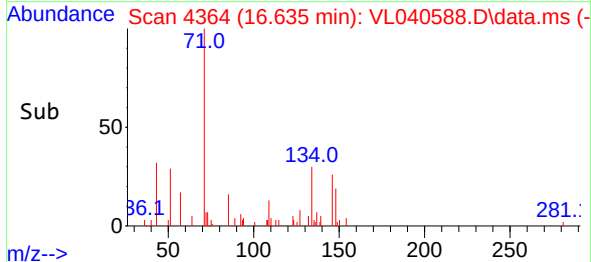
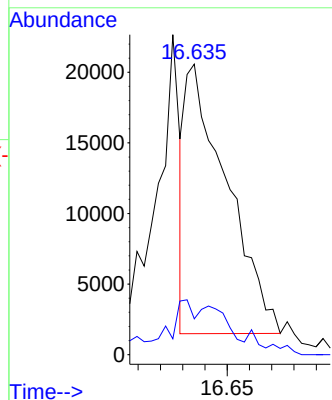
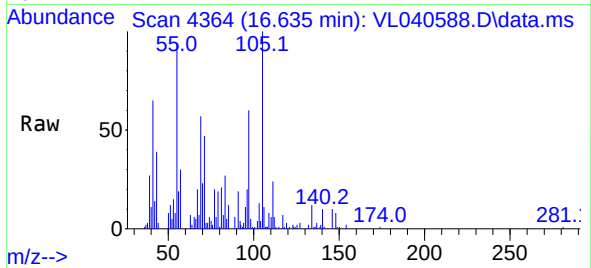




#67
sec-Butylbenzene
Concen: 0.047 ppbv
RT: 16.635 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

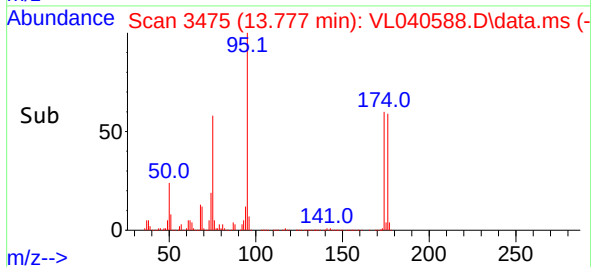
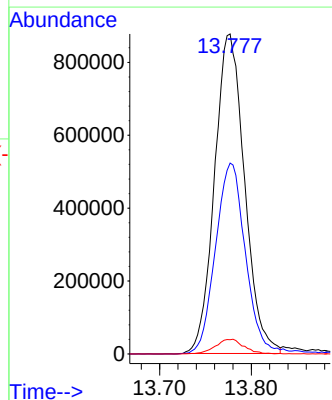
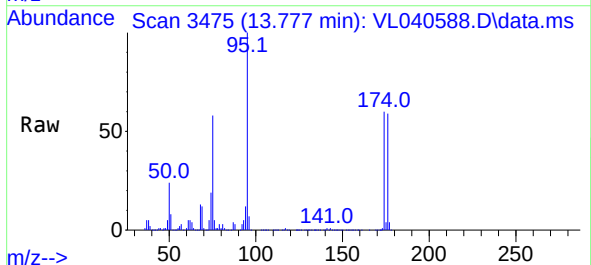
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

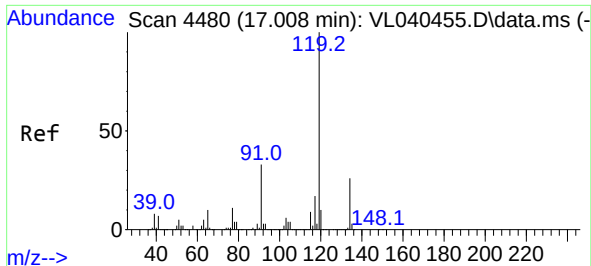
Tgt Ion:105 Resp: 24822
Ion Ratio Lower Upper
105 100
134 32.2 14.4 21.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.881 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.006 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion: 95 Resp: 1995399
Ion Ratio Lower Upper
95 100
174 61.3 50.6 75.8
175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.060 ppbv

RT: 16.995 min Scan# 4480

Delta R.T. -0.010 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

Instrument :

MSVOA_L

ClientSampleId :

IA1ADUP

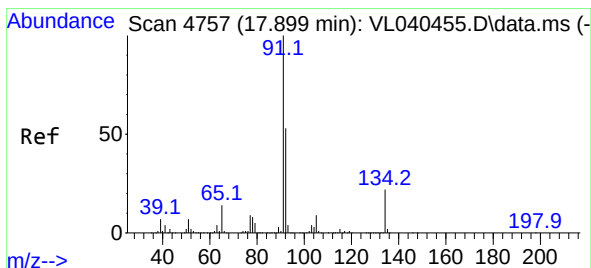
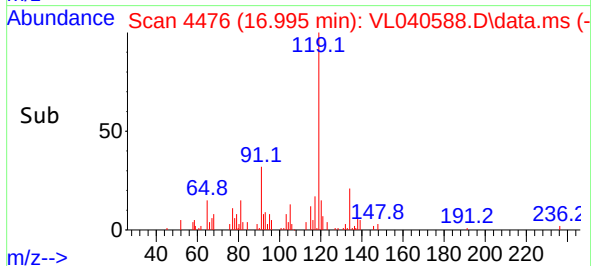
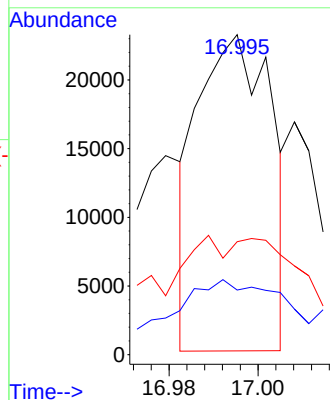
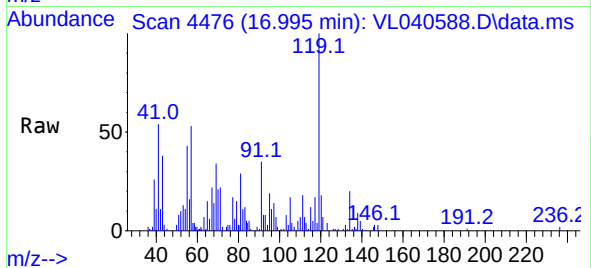
Tgt Ion:119 Resp: 26367

Ion Ratio Lower Upper

119 100

134 49.3 20.5 30.7#

91 75.3 23.8 35.8#



#70

n-Butylbenzene

Concen: 0.160 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. -0.006 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

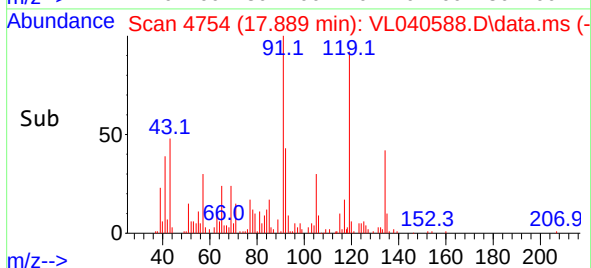
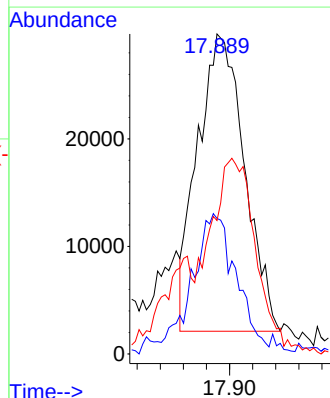
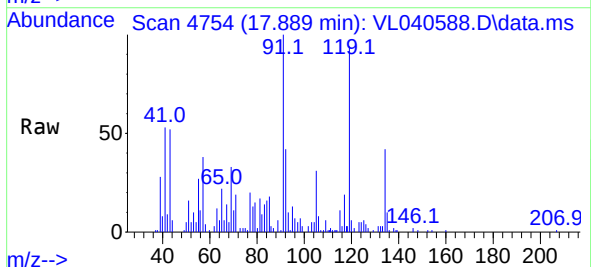
Tgt Ion: 91 Resp: 78152

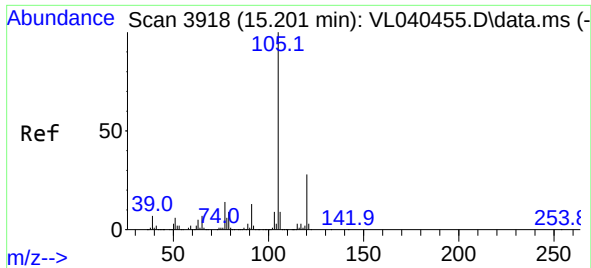
Ion Ratio Lower Upper

91 100

92 46.6 43.4 65.0

134 87.3 18.1 27.1#



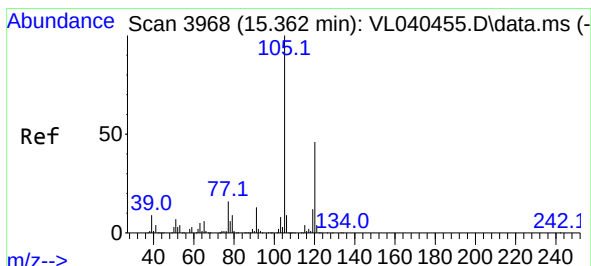
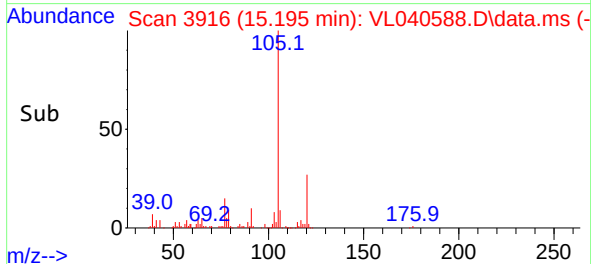
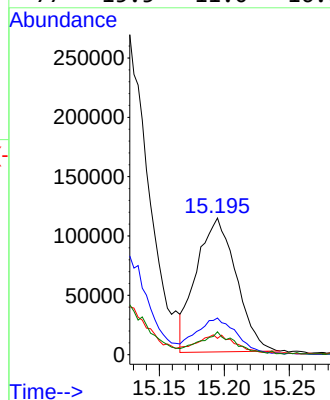
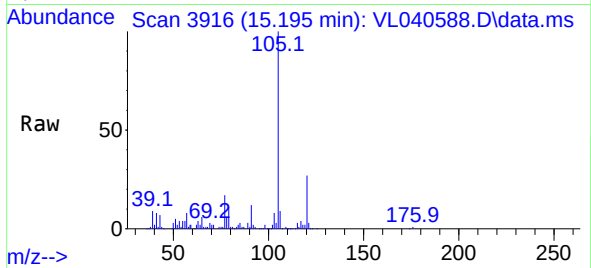


#72
4-Ethyltoluene
Concen: 0.756 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Tgt Ion:105 Resp: 241299

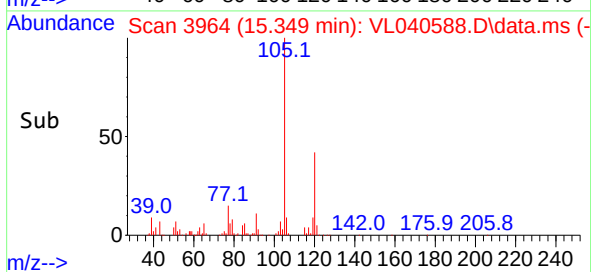
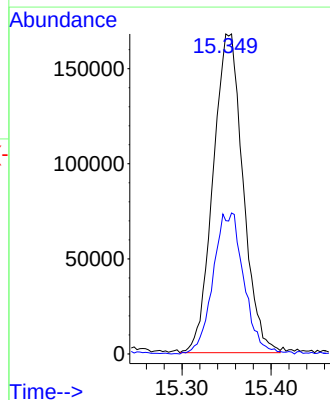
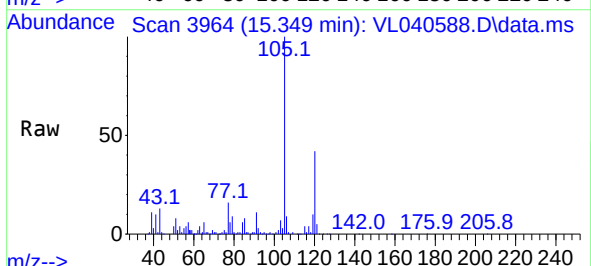
Ion	Ratio	Lower	Upper
105	100		
120	28.9	24.6	37.0
91	14.5	10.7	16.1
77	15.5	11.0	16.6

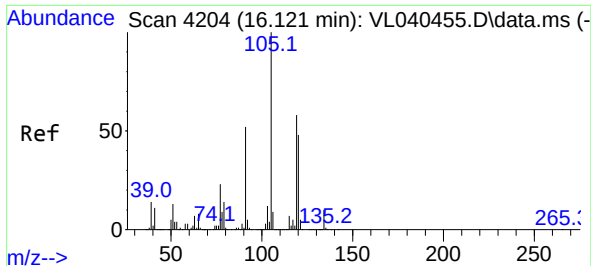


#73
1,3,5-Trimethylbenzene
Concen: 1.394 ppbv
RT: 15.349 min Scan# 3964
Delta R.T. -0.013 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion:105 Resp: 392208

Ion	Ratio	Lower	Upper
105	100		
120	41.8	38.2	57.2

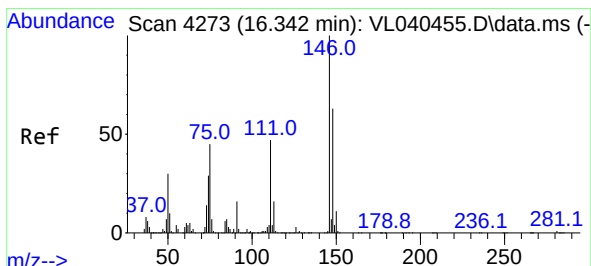
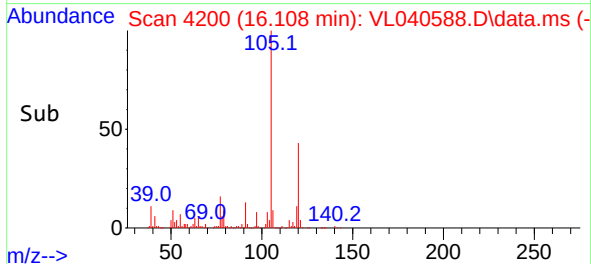
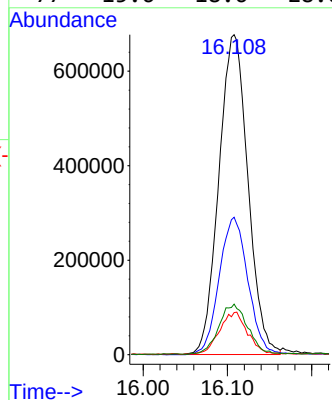
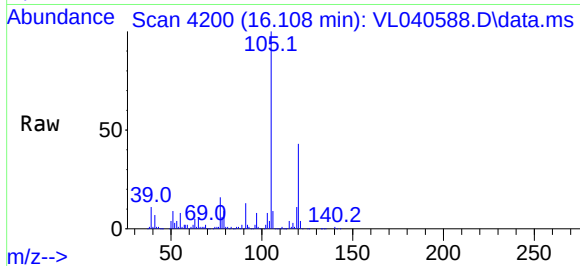




#74
1,2,4-Trimethylbenzene
Concen: 4.945 ppbv
RT: 16.108 min Scan# 4314
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

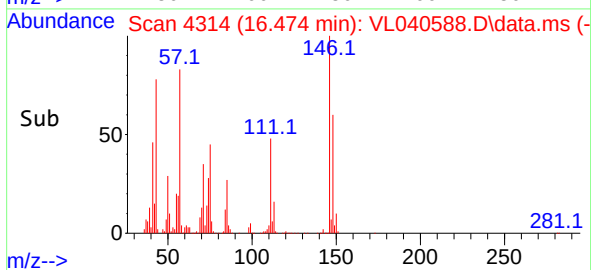
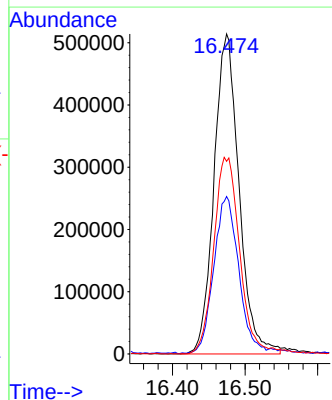
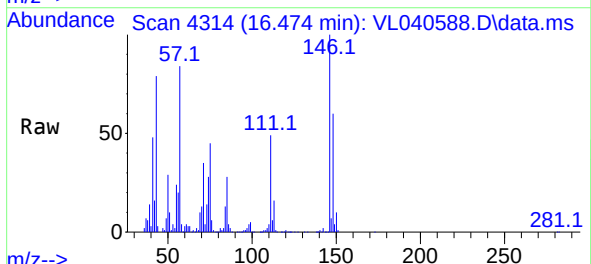
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

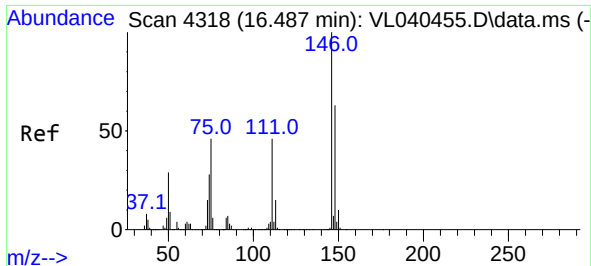
Tgt Ion:105 Resp: 1621904
Ion Ratio Lower Upper
105 100
120 43.0 40.3 60.5
91 13.0 46.8 70.2#
77 15.6 18.6 28.0#



#75
1,3-Dichlorobenzene
Concen: 6.190 ppbv
RT: 16.474 min Scan# 4314
Delta R.T. 0.132 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

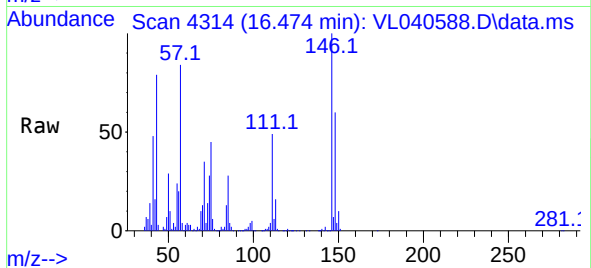
Tgt Ion:146 Resp: 1230959
Ion Ratio Lower Upper
146 100
111 50.0 23.6 71.0
148 64.4 32.2 96.6



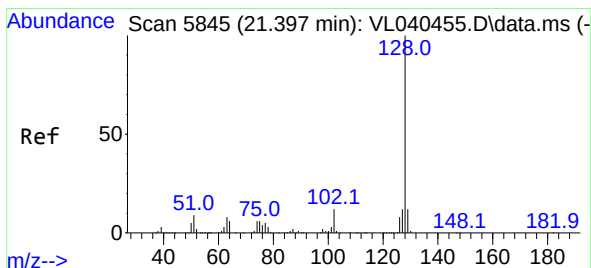
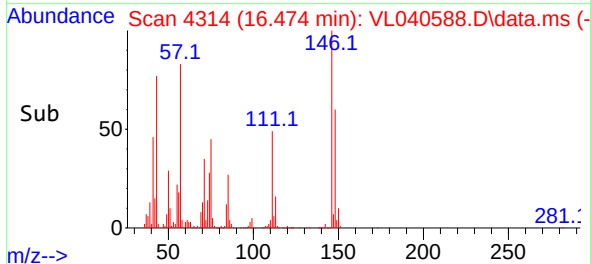
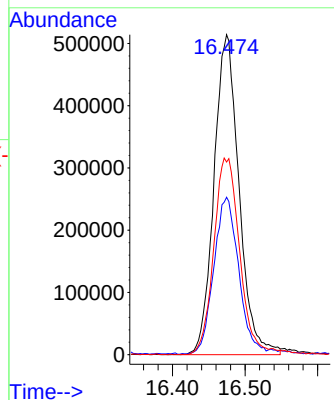


#76
1,4-Dichlorobenzene
Concen: 6.313 ppbv
RT: 16.474 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

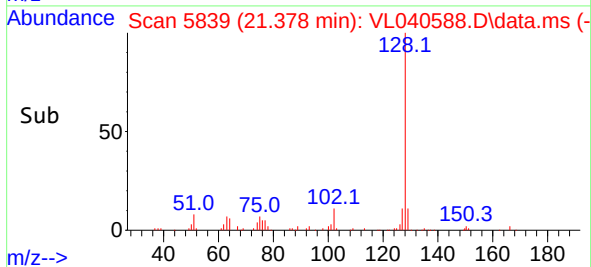
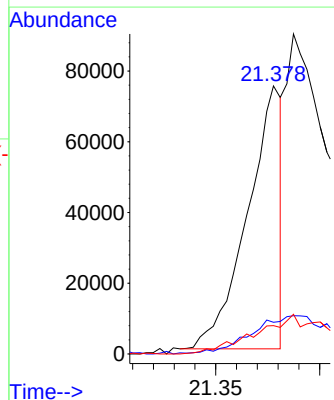
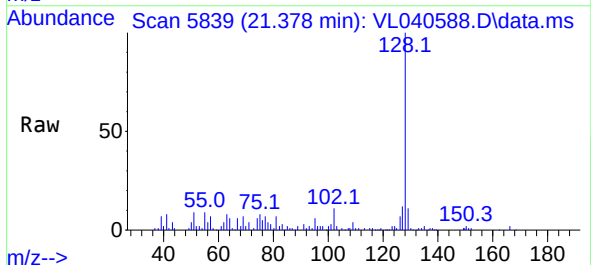


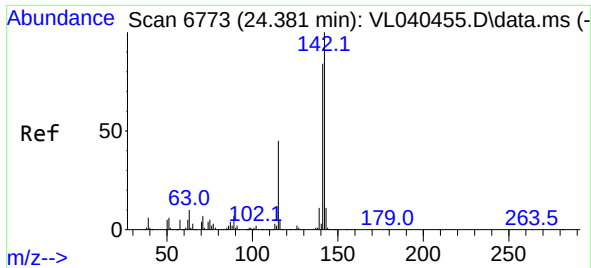
Tgt Ion:146 Resp: 1230959
Ion Ratio Lower Upper
146 100
111 50.0 22.8 68.3
148 64.4 32.6 97.8



#79
Naphthalene
Concen: 0.305 ppbv
RT: 21.378 min Scan# 5839
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

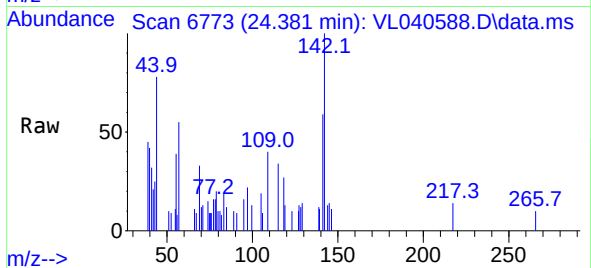
Tgt Ion:128 Resp: 84777
Ion Ratio Lower Upper
128 100
127 11.7 10.7 16.1
129 10.8 9.2 13.8





#80
Naphthalene, 2-methyl-
Concen: 0.048 ppbv
RT: 24.381 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP



Tgt Ion:142 Resp: 5458
Ion Ratio Lower Upper
142 100
141 95.8 66.7 100.1
115 67.2 33.0 49.6#

