

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040438.D
 Acq On : 16 May 2023 14:12
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL051623

Quant Time: May 17 05:09:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 17 05:08:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1128834	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	2831832	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.490	117	2700902	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	2125598	9.787	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	2217360	10.000	ppbv	100
3) Chlorodifluoromethane	2.674	51	1332180	9.137	ppbv	98
4) Chloromethane	2.812	50	868564	9.592	ppbv	96
5) Vinyl Chloride	2.922	62	724122	9.010	ppbv	98
6) Bromomethane	3.121	94	214913	8.796	ppbv	99
7) Chloroethane	3.198	64	273639	9.635	ppbv	99
8) Dichlorotetrafluoroethane	2.857	85	1754009	8.803	ppbv	97
9) Propene	2.693	41	570057	10.051	ppbv	99
10) Heptane	7.597	43	1345891	10.269	ppbv	100
11) Trichlorofluoromethane	3.568	101	1771861	8.849	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	1250799	8.519	ppbv	96
13) Ethanol	3.250	45	30758	7.156	ppbv	87
14) Bromoethene	3.369	108	549184	9.383	ppbv	98
15) Acetone	3.468	43	1245144	8.719	ppbv	98
16) 1,3-Butadiene	2.986	39	640186	9.766	ppbv	99
17) tert-Butyl alcohol	3.880	59	1348536	9.428	ppbv	99
18) 1,1-Dichloroethene	3.886	96	583494	9.016	ppbv	98
19) Isopropyl Alcohol	3.578	45	645203	9.275	ppbv	99
20) Methylene Chloride	3.938	84	496723	7.808	ppbv	97
21) Allyl Chloride	4.002	41	875989	9.595	ppbv	100
22) trans-1,2-Dichloroethene	4.455	96	600082	9.284	ppbv	96
23) Vinyl Acetate	4.635	43	352351	8.927	ppbv #	95
24) 1,1-Dichloroethane	4.571	63	1232416	9.126	ppbv	98
25) Ethyl Acetate	5.214	43	2569357	9.554	ppbv	99
26) Hexane	5.224	57	1096958	9.839	ppbv	96
27) Carbon Disulfide	4.131	76	1465144	9.999	ppbv	100
28) Methyl tert-Butyl Ether	4.594	73	1116822	9.429	ppbv	100
29) Chloroform	5.285	83	1854483	9.123	ppbv	100
30) Cyclohexane	6.616	84	923249	10.180	ppbv	97
31) cis-1,2-Dichloroethene	5.089	61	1153329	10.446	ppbv	99
32) 1,1,1-Trichloroethane	6.015	97	1872128	8.864	ppbv	99
34) 2-Butanone	4.796	43	1532740	10.167	ppbv	100
35) Carbon Tetrachloride	6.510	117	1890760	9.302	ppbv	98
36) Benzene	6.385	78	2296823	9.986	ppbv	99
37) 1,2-Dichloroethane	5.819	62	1425526	9.485	ppbv	99
38) Trichloroethene	7.311	130	1379955	9.739	ppbv	98
39) 1,2-Dichloropropane	7.089	63	883035	9.801	ppbv	95
40) 1,4-Dioxane	7.304	88	337658	9.853	ppbv	89
41) Tetrahydrofuran	5.568	42	879847	10.517	ppbv	99
42) Bromodichloromethane	7.266	83	2020570	9.933	ppbv	96
43) Methyl Methacrylate	7.491	69	909061	10.684	ppbv	99
44) 2,2,4-Trimethylpentane	7.343	57	3742794	9.834	ppbv	99
45) t-1,3-Dichloropropene	8.729	75	871522	11.692	ppbv	99

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

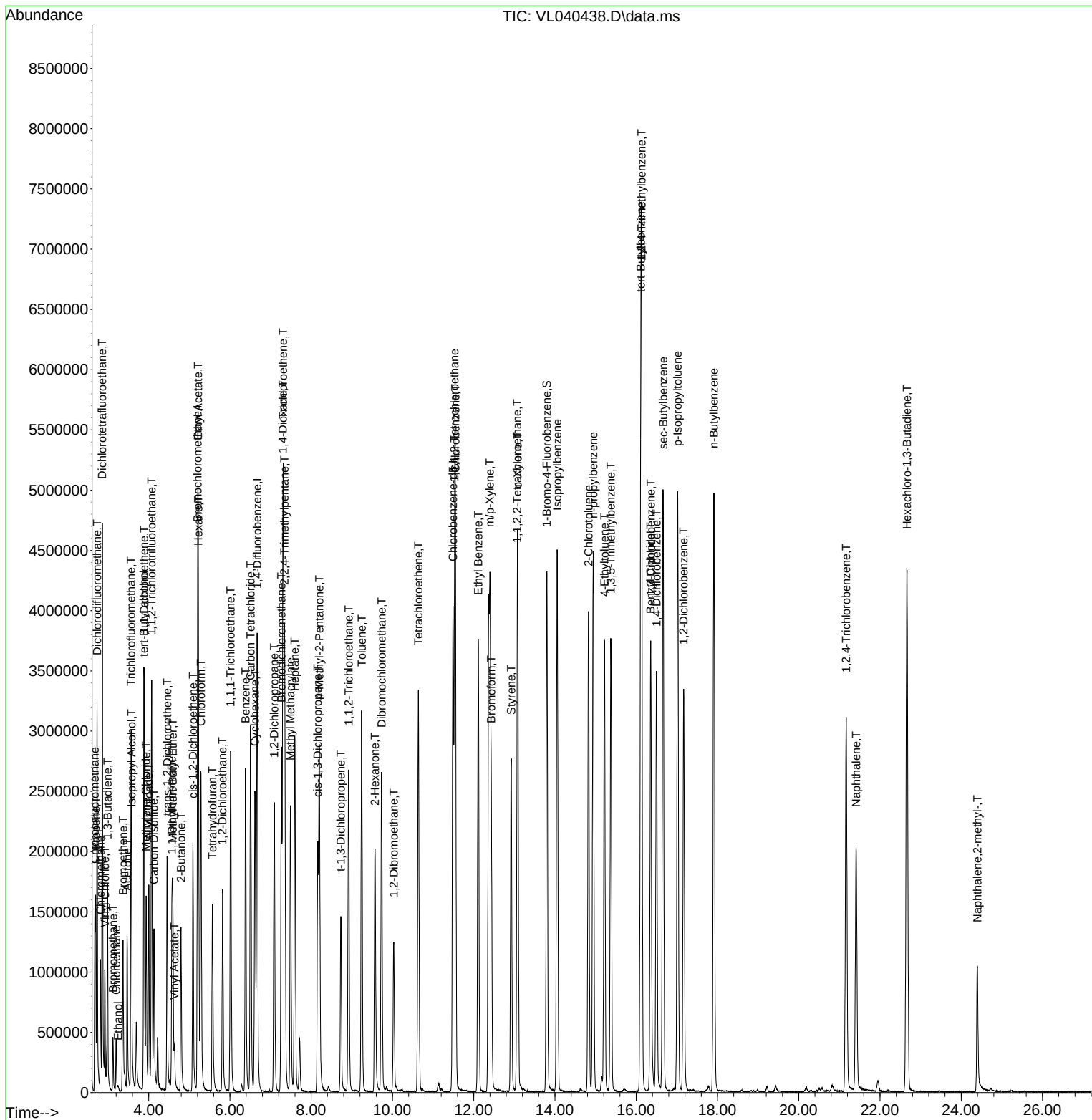
Instrument :
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 ClientSampleId :
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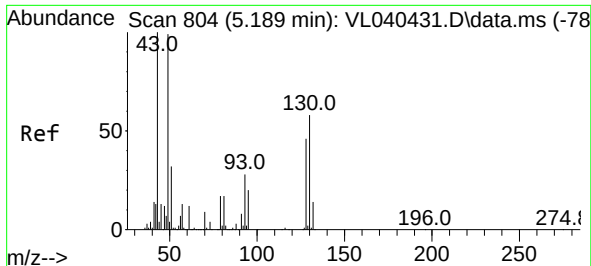
Quant Time: May 17 05:09:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 17 05:08:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	1189301	11.291	ppbv	99
47) 1,1,2-Trichloroethane	8.921	97	960999	9.773	ppbv	97
48) Dibromochloromethane	9.732	129	1602791	10.204	ppbv	99
49) Bromoform	12.433	173	1260605	10.173	ppbv	100
50) 4-Methyl-2-Pentanone	8.198	43	2361614	10.140	ppbv	100
51) 2-Hexanone	9.568	43	1880570	10.963	ppbv #	100
52) Tetrachloroethene	10.638	164	771614	9.880	ppbv	98
53) Toluene	9.243	91	2604414	10.721	ppbv	99
54) 1,2-Dibromoethane	10.031	107	1019589	10.375	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.529	131	1163823	9.304	ppbv	98
57) Chlorobenzene	11.552	112	1978428	9.098	ppbv	100
58) Ethyl Benzene	12.111	91	3510434	10.270	ppbv	98
59) m/p-Xylene	12.397	91	2234852	7.168	ppbv #	1
60) o-Xylene	13.082	91	2892404	9.748	ppbv	99
61) Styrene	12.921	104	1667778	11.097	ppbv	99
62) Isopropylbenzene	14.056	105	4048537	9.335	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.072	83	880571	8.227	ppbv	99
64) n-propylbenzene	14.944	120	1036990	9.691	ppbv	99
65) tert-Butylbenzene	16.117	119	3538487	9.303	ppbv	99
66) Benzyl Chloride	16.352	91	208785	9.251	ppbv	99
67) sec-Butylbenzene	16.664	105	5049559	9.218	ppbv	99
69) p-Isopropyltoluene	17.021	119	4059284	9.434	ppbv	100
70) n-Butylbenzene	17.911	91	4426213	9.230	ppbv	100
71) 2-Chlorotoluene	14.825	91	3150333	9.548	ppbv	99
72) 4-Ethyltoluene	15.220	105	3267185	9.711	ppbv	99
73) 1,3,5-Trimethylbenzene	15.375	105	2959176	9.581	ppbv	100
74) 1,2,4-Trimethylbenzene	16.133	105	3220335	9.062	ppbv	98
75) 1,3-Dichlorobenzene	16.358	146	1754738	8.975	ppbv	100
76) 1,4-Dichlorobenzene	16.500	146	1710911	9.048	ppbv	100
77) 1,2-Dichlorobenzene	17.169	146	1693729	8.941	ppbv	100
78) Hexachloro-1,3-Butadiene	22.664	225	1208205	8.525	ppbv	99
79) Naphthalene	21.416	128	2523242	11.744	ppbv	99
80) Naphthalene,2-methyl-	24.397	142	766158	12.455	ppbv	97
81) 1,2,4-Trichlorobenzene	21.169	180	1332449	10.018	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
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QLast Update : Wed May 17 05:08:38 2023
Response via : Initial Calibration

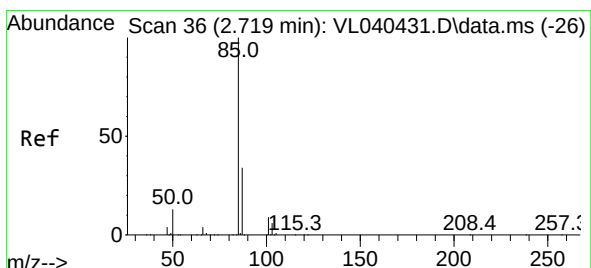
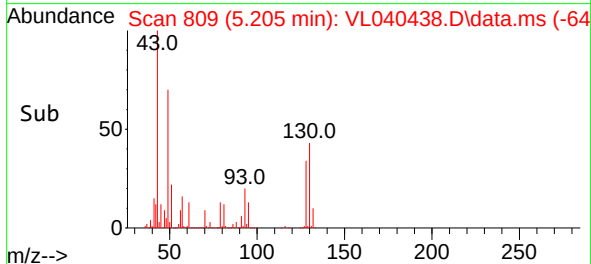
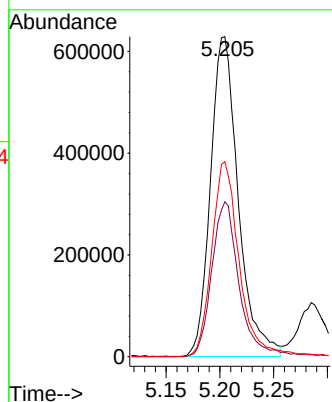
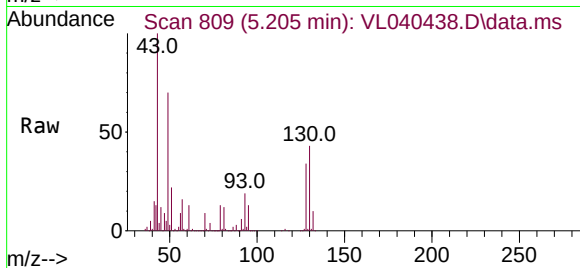




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.205 min Scan# 80
 Delta R.T. 0.016 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

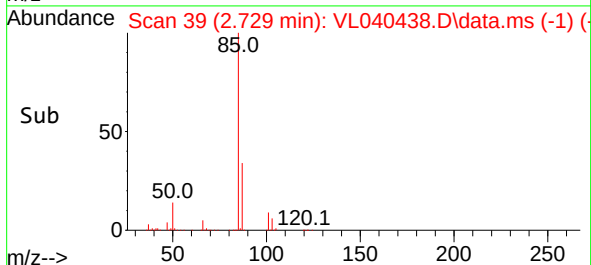
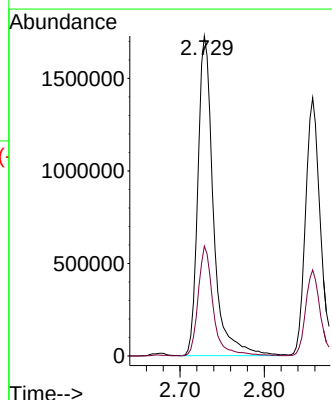
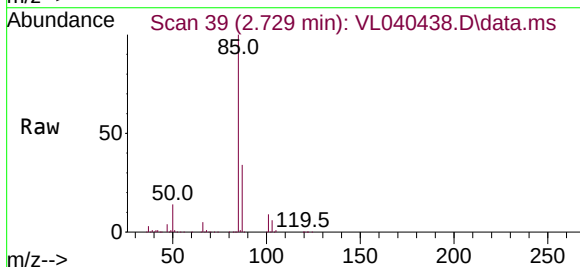
Instrument :
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 ClientSampleId :
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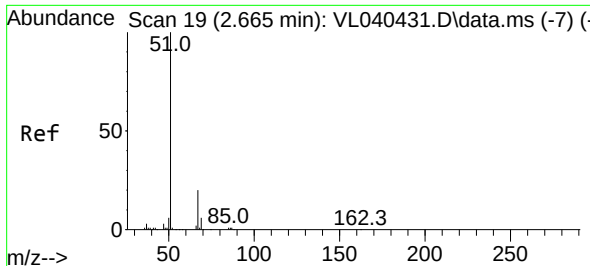
Tgt Ion: 49 Resp: 1128834
 Ion Ratio Lower Upper
 49 100
 128 48.4 24.3 72.8
 130 61.2 30.2 90.6



#2
 Dichlorodifluoromethane
 Concen: 10.000 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. 0.010 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

Tgt Ion: 85 Resp: 2217360
 Ion Ratio Lower Upper
 85 100
 87 34.3 27.4 41.0

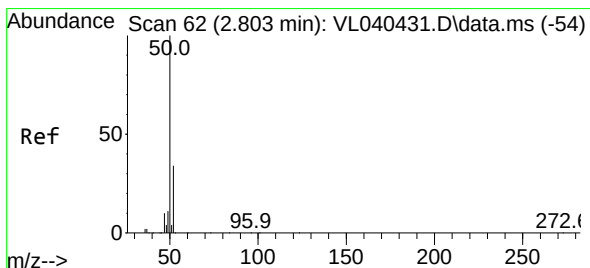
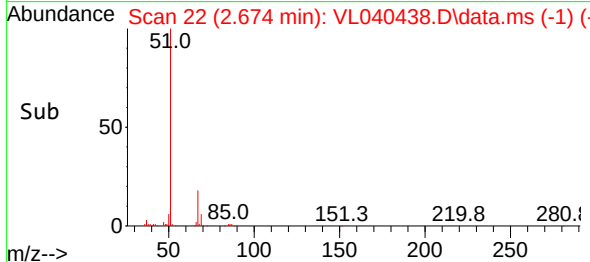
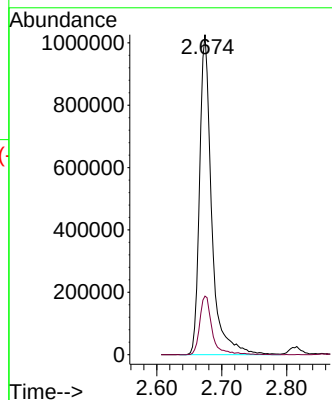
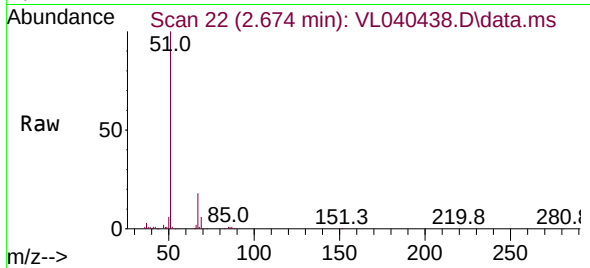




#3
Chlorodifluoromethane
Concen: 9.137 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

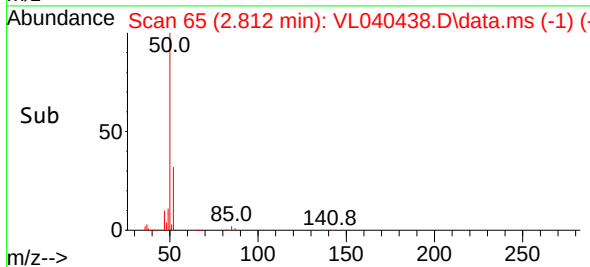
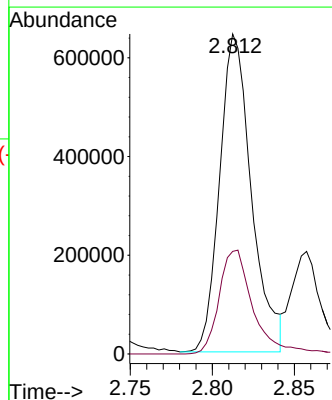
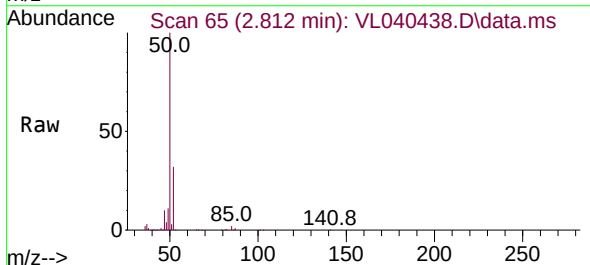
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ClientSampleId :
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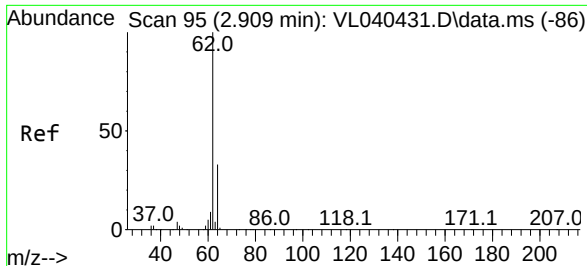
Tgt Ion: 51 Resp: 1332180
Ion Ratio Lower Upper
51 100
67 18.8 15.8 23.6



#4
Chloromethane
Concen: 9.592 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.010 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 50 Resp: 868564
Ion Ratio Lower Upper
50 100
52 32.2 27.6 41.4

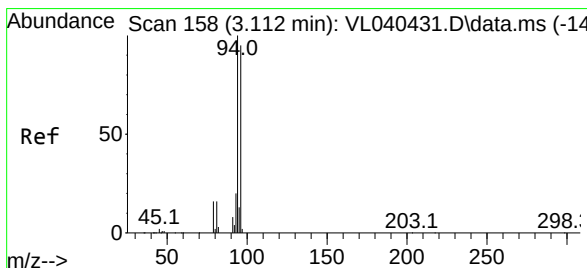
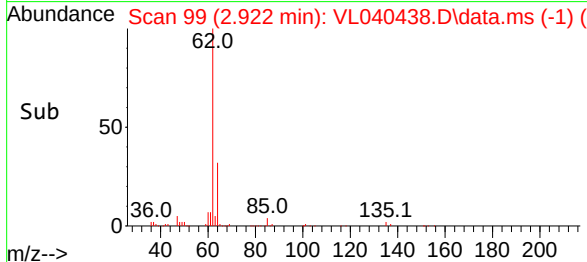
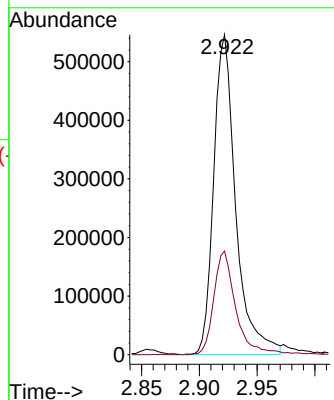
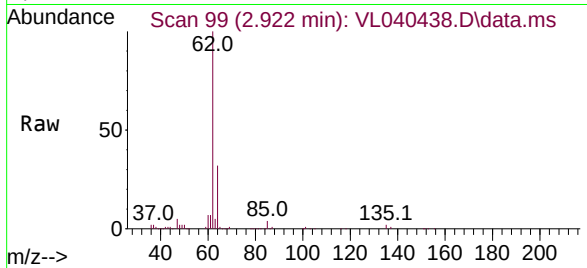




#5
 Vinyl Chloride
 Concen: 9.010 ppbv
 RT: 2.922 min Scan# 94
 Delta R.T. 0.013 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

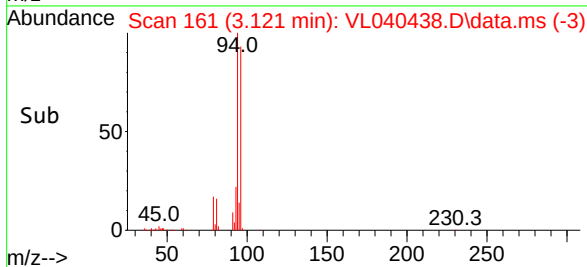
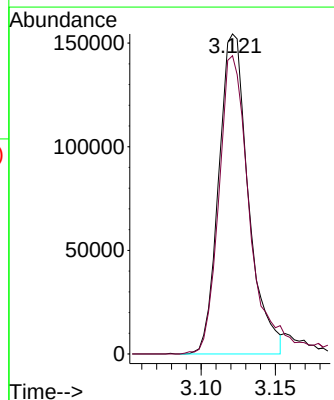
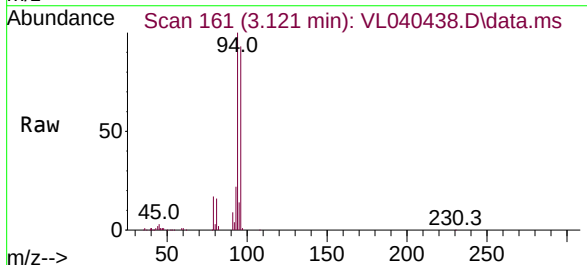
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 ClientSampleId :
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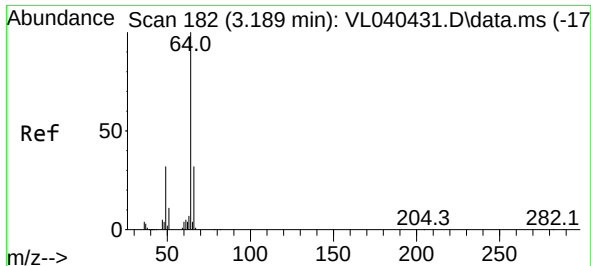
Tgt Ion: 62 Resp: 724122
 Ion Ratio Lower Upper
 62 100
 64 32.4 26.6 40.0



#6
 Bromomethane
 Concen: 8.796 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.010 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

Tgt Ion: 94 Resp: 214913
 Ion Ratio Lower Upper
 94 100
 96 93.2 75.7 113.5

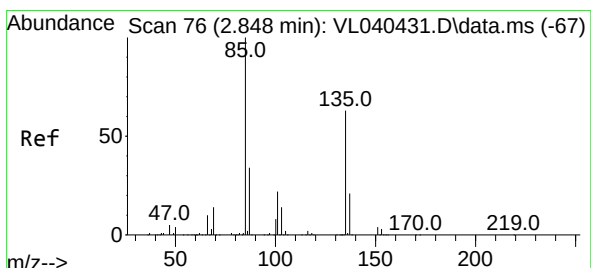
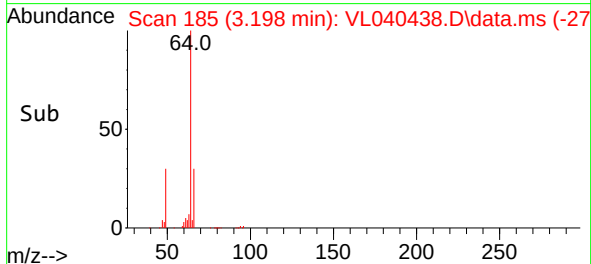
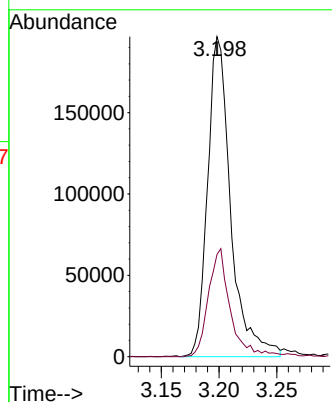
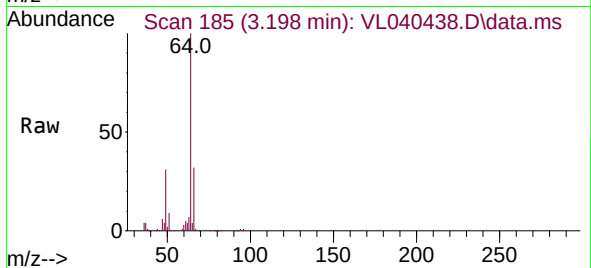




#7
Chloroethane
Concen: 9.635 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

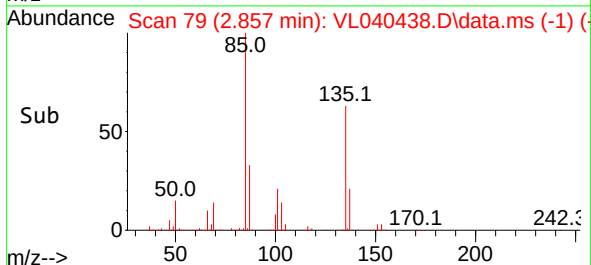
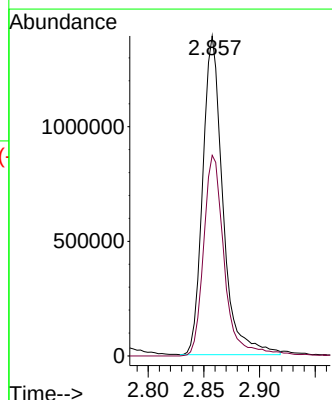
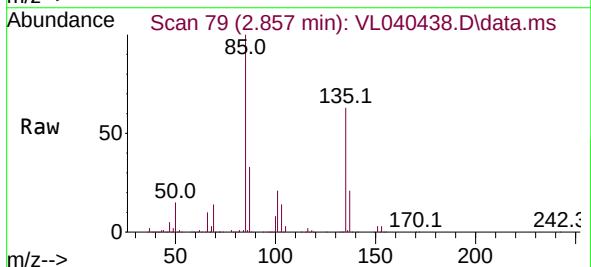
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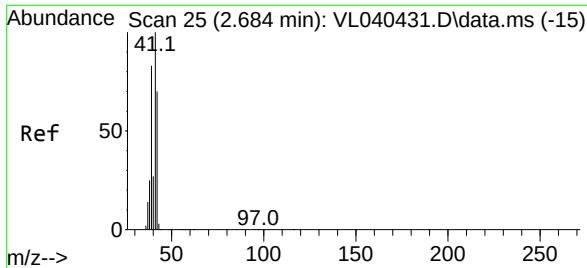
Tgt Ion: 64 Resp: 273639
Ion Ratio Lower Upper
64 100
66 31.9 25.8 38.8



#8
Dichlorotetrafluoroethane
Concen: 8.803 ppbv
RT: 2.857 min Scan# 79
Delta R.T. 0.010 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 85 Resp: 1754009
Ion Ratio Lower Upper
85 100
135 65.7 50.6 75.8

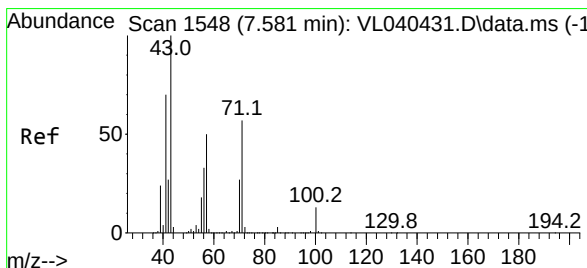
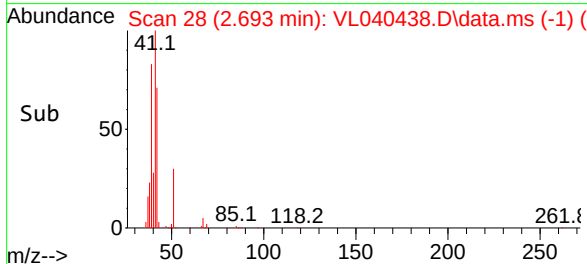
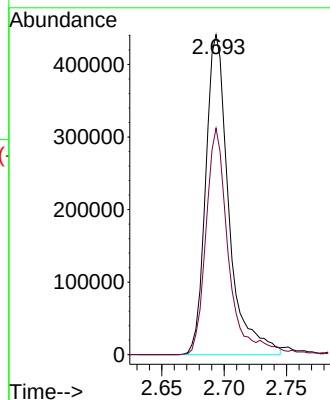
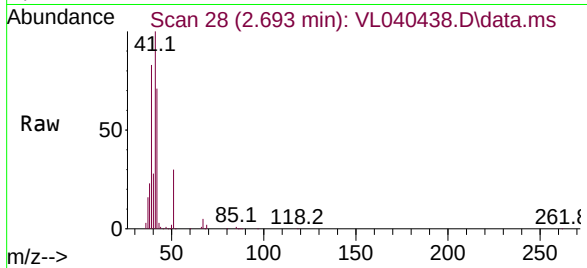




#9
 Propene
 Concen: 10.051 ppbv
 RT: 2.693 min Scan# 21
 Delta R.T. 0.010 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

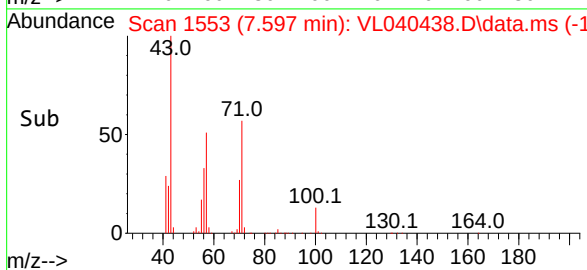
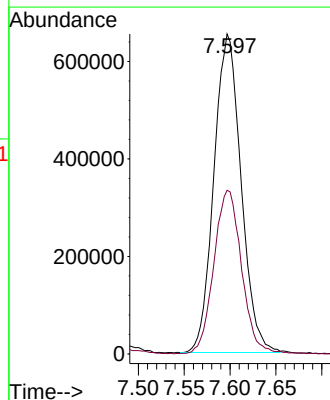
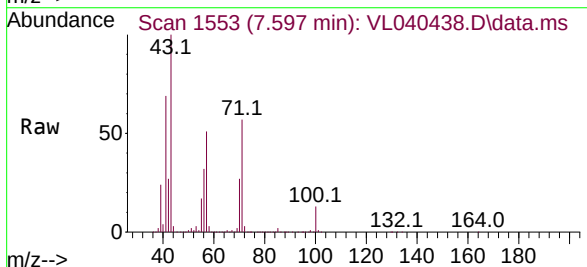
Instrument :
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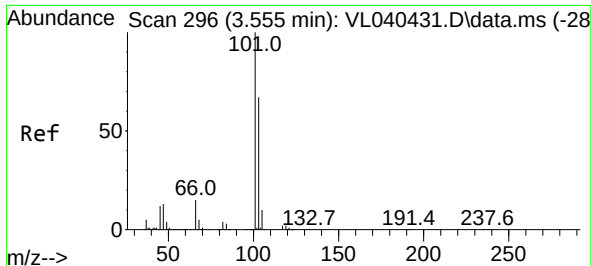
Tgt Ion: 41 Resp: 570057
 Ion Ratio Lower Upper
 41 100
 42 70.1 56.6 84.8



#10
 Heptane
 Concen: 10.269 ppbv
 RT: 7.597 min Scan# 1553
 Delta R.T. 0.016 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

Tgt Ion: 43 Resp: 1345891
 Ion Ratio Lower Upper
 43 100
 57 52.6 42.2 63.2

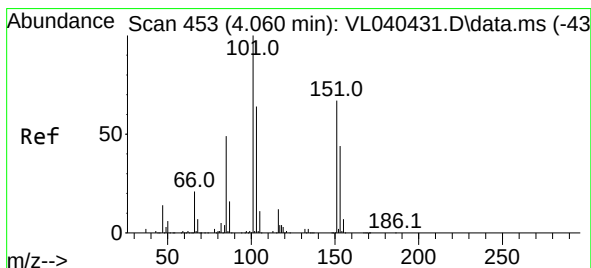
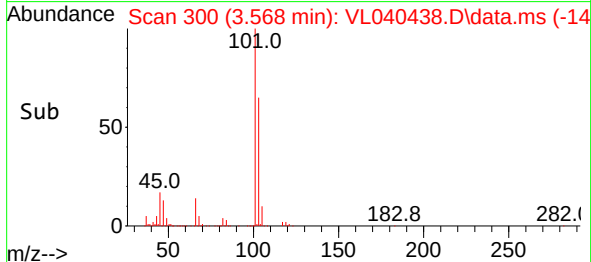
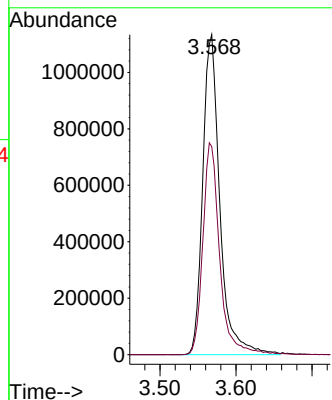
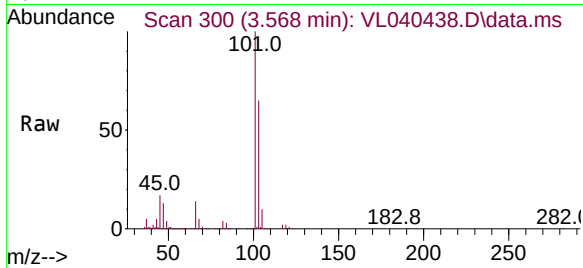




#11
 Trichlorofluoromethane
 Concen: 8.849 ppbv
 RT: 3.568 min Scan# 30
 Delta R.T. 0.013 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

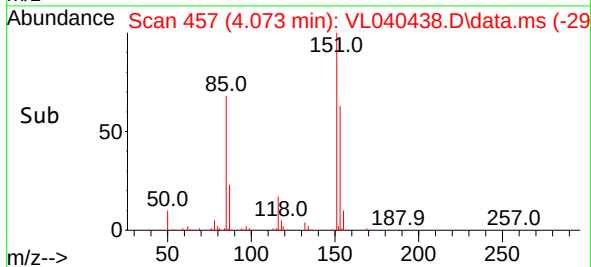
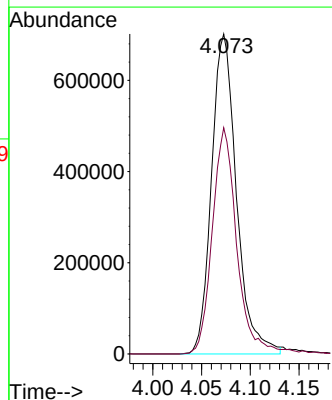
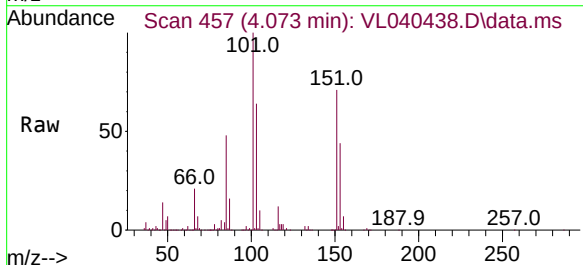
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051623

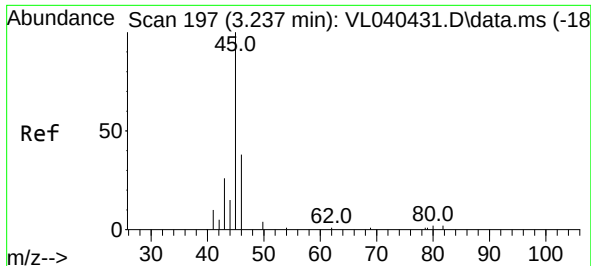
Tgt Ion:101 Resp: 1771861
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.3 79.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.519 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.013 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

Tgt Ion:101 Resp: 1250799
 Ion Ratio Lower Upper
 101 100
 151 70.1 53.8 80.6

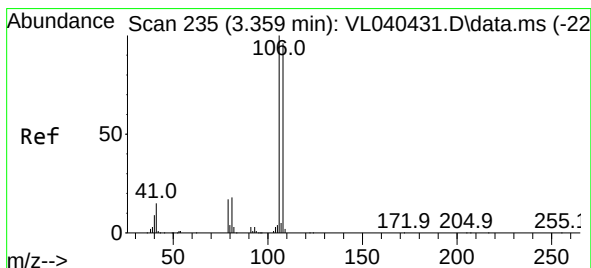
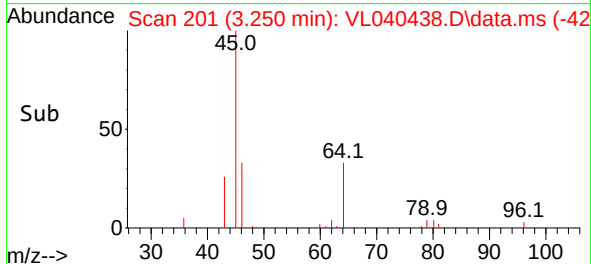
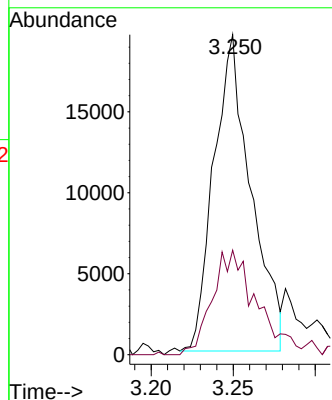
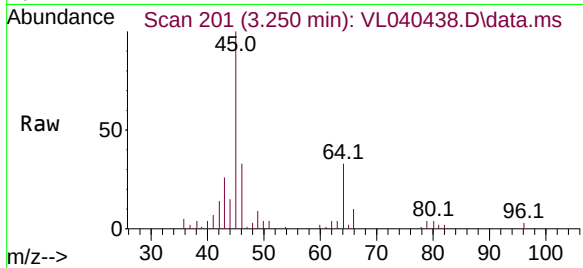




#13
 Ethanol
 Concen: 7.156 ppbv
 RT: 3.250 min Scan# 201
 Delta R.T. 0.013 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

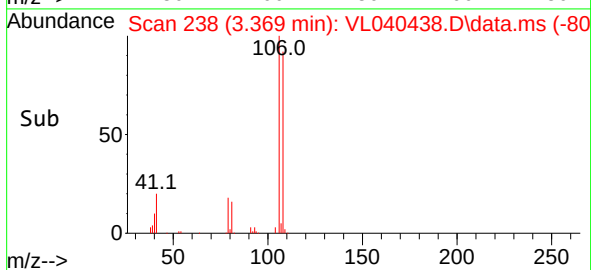
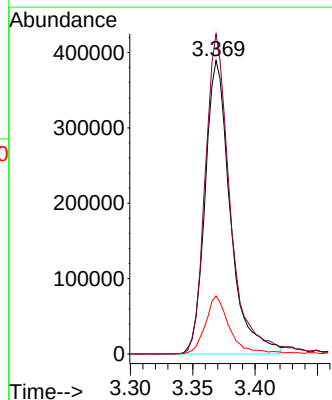
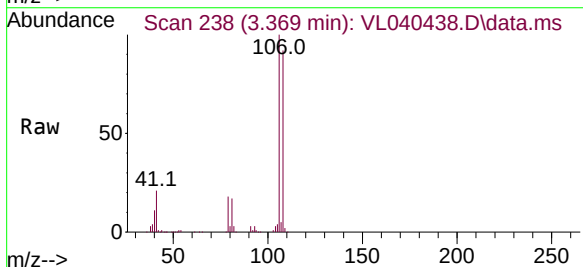
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051623

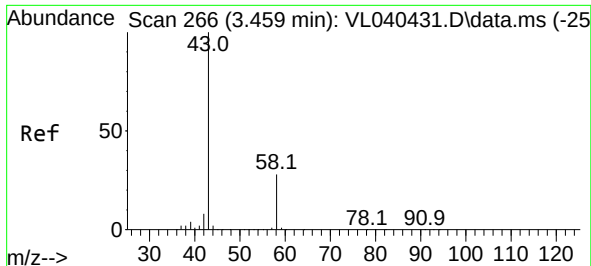
Tgt Ion: 45 Resp: 30758
 Ion Ratio Lower Upper
 45 100
 46 40.2 13.2 52.8



#14
 Bromoethene
 Concen: 9.383 ppbv
 RT: 3.369 min Scan# 238
 Delta R.T. 0.010 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

Tgt Ion: 108 Resp: 549184
 Ion Ratio Lower Upper
 108 100
 106 110.1 89.5 134.3
 79 19.5 16.1 24.1

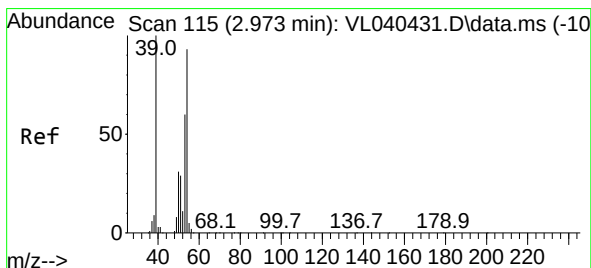
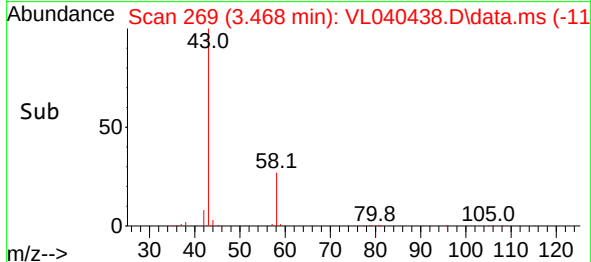
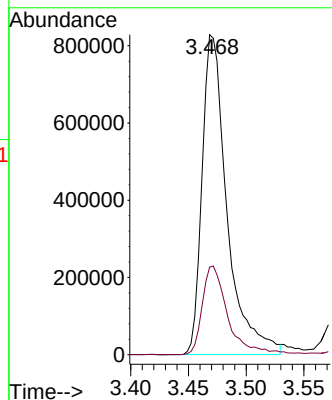
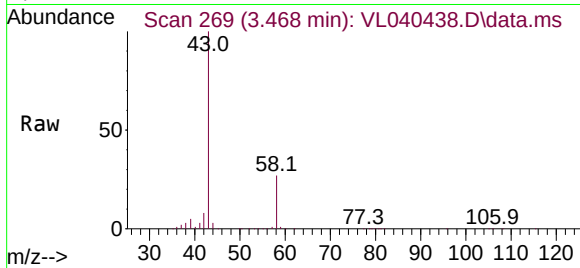




#15
Acetone
Concen: 8.719 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

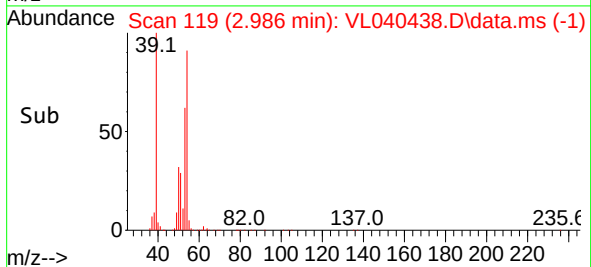
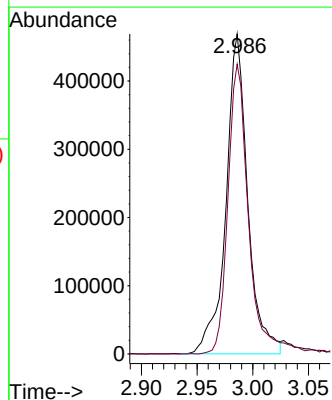
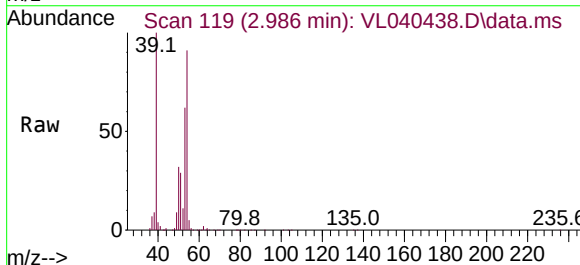
Instrument : MSVOA_L
ClientSampleId : ICVVL051623

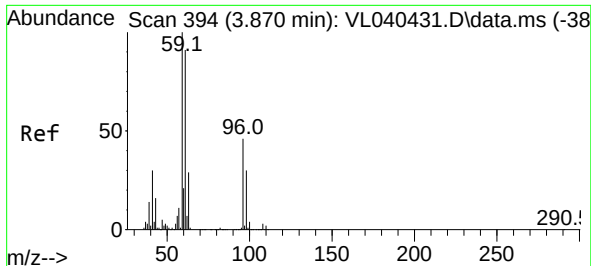
Tgt Ion: 43 Resp: 1245144
Ion Ratio Lower Upper
43 100
58 28.7 22.2 33.4



#16
1,3-Butadiene
Concen: 9.766 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.013 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 39 Resp: 640186
Ion Ratio Lower Upper
39 100
54 87.4 68.9 103.3

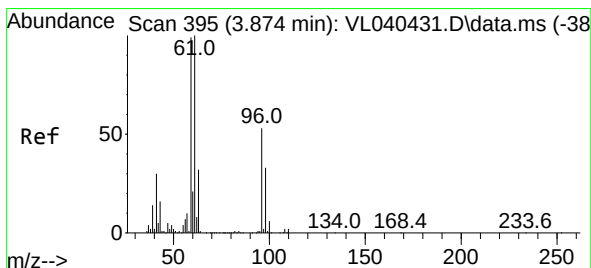
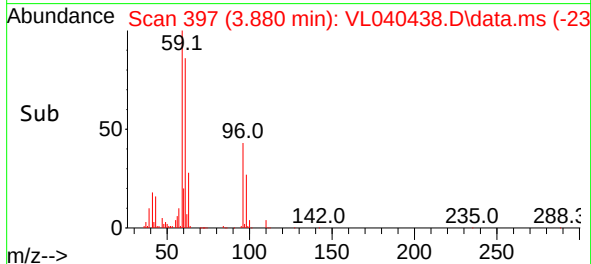
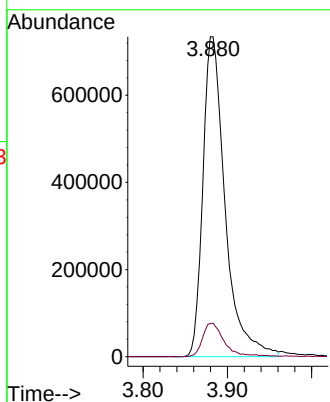
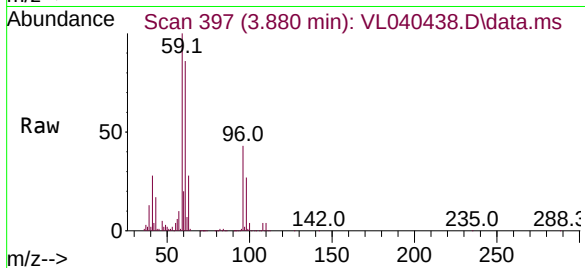




#17
tert-Butyl alcohol
Concen: 9.428 ppbv
RT: 3.880 min Scan# 394
Delta R.T. 0.010 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

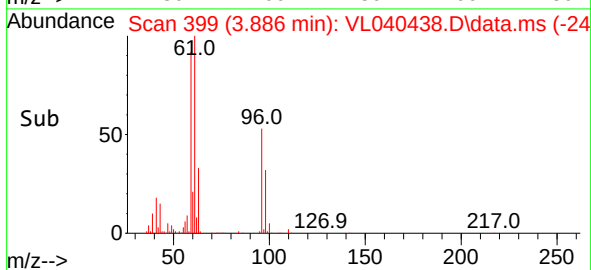
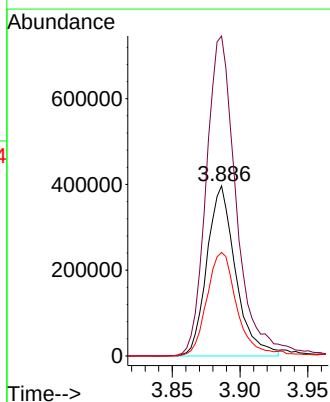
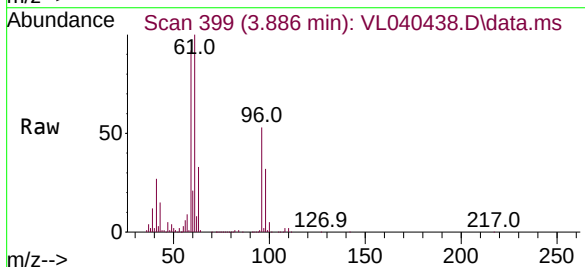
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051623

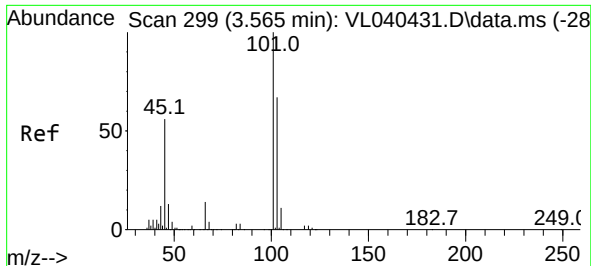
Tgt Ion: 59 Resp: 1348536
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8



#18
1,1-Dichloroethene
Concen: 9.016 ppbv
RT: 3.886 min Scan# 399
Delta R.T. 0.013 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 96 Resp: 583494
Ion Ratio Lower Upper
96 100
61 187.6 151.8 227.8
98 60.7 50.5 75.7





#19

Isopropyl Alcohol

Concen: 9.275 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.013 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

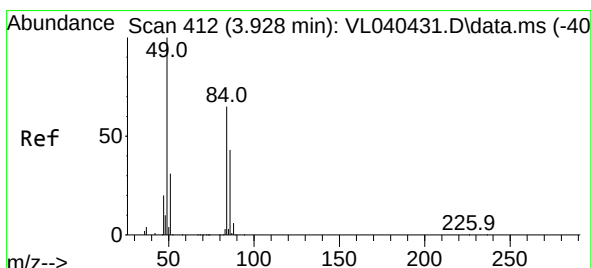
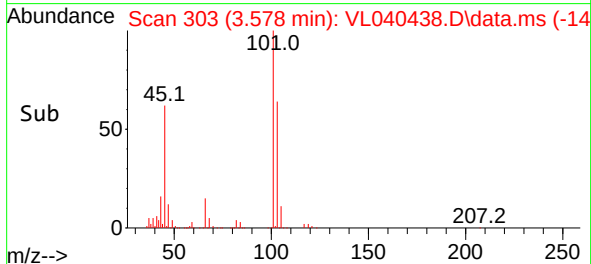
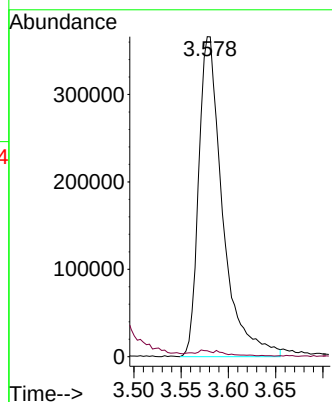
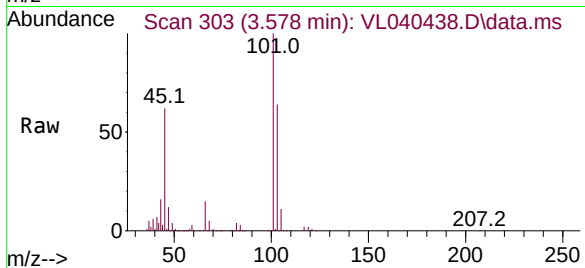
ICVVL051623

Tgt Ion: 45 Resp: 645203

Ion Ratio Lower Upper

45 100

58 2.2 2.1 3.1



#20

Methylene Chloride

Concen: 7.808 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.010 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Tgt Ion: 84 Resp: 496723

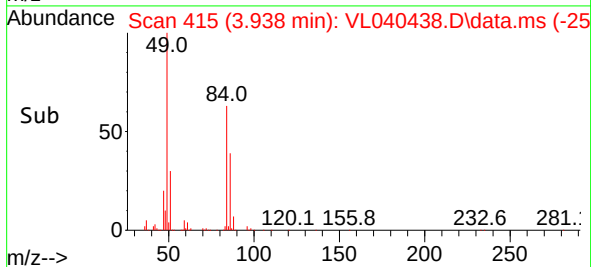
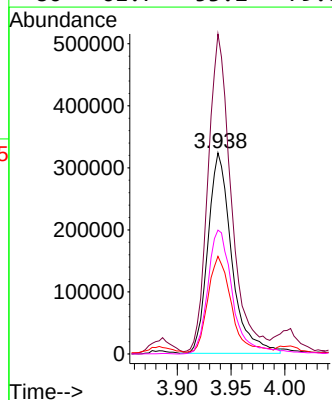
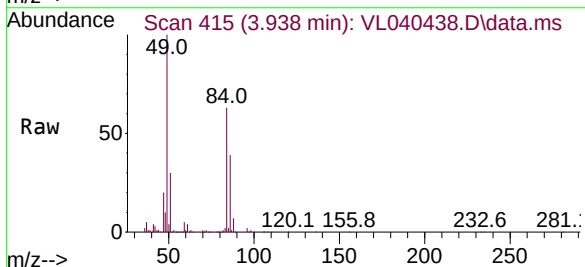
Ion Ratio Lower Upper

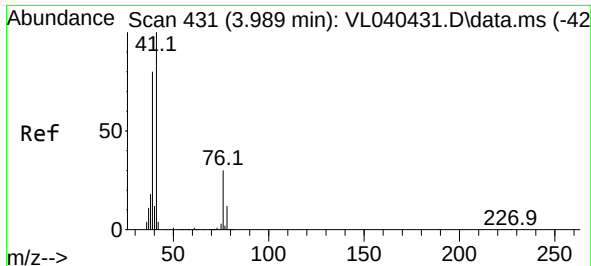
84 100

49 157.8 123.7 185.5

51 47.2 38.6 57.8

86 61.7 53.2 79.8





#21

Allyl Chloride

Concen: 9.595 ppbv

RT: 4.002 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_1

ClientSampleId :

ICVVL051623

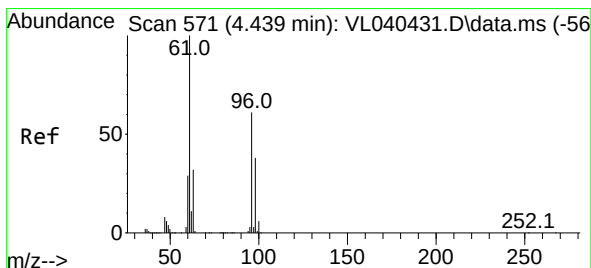
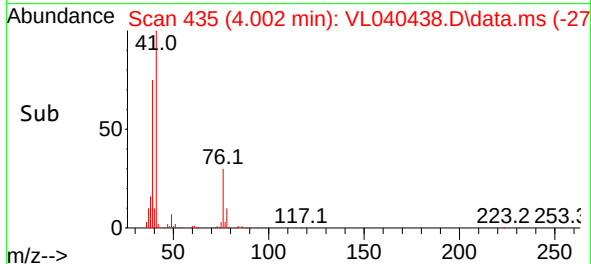
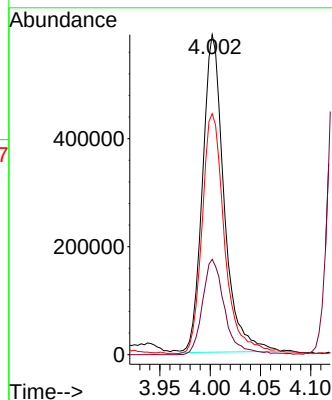
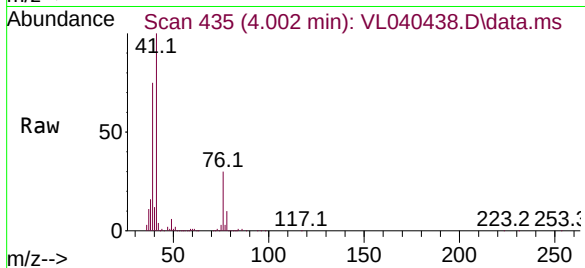
Tgt Ion: 41 Resp: 875989

Ion Ratio Lower Upper

41 100

76 31.2 25.3 37.9

39 79.2 63.5 95.3



#22

trans-1,2-Dichloroethene

Concen: 9.284 ppbv

RT: 4.455 min Scan# 576

Delta R.T. 0.016 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

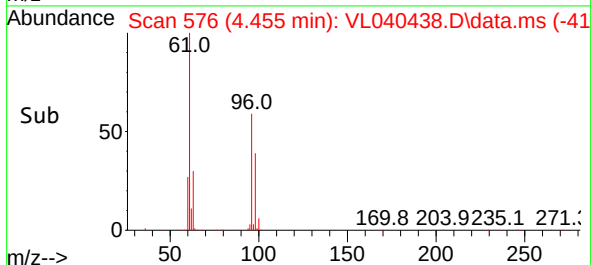
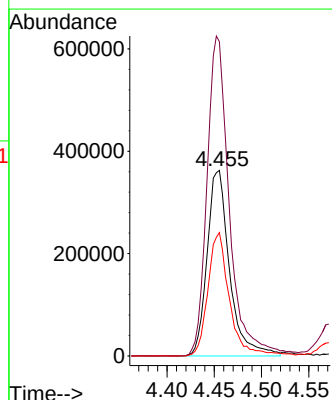
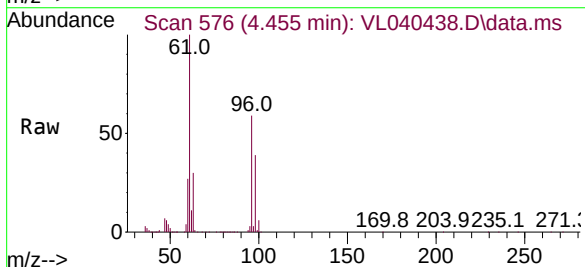
Tgt Ion: 96 Resp: 600082

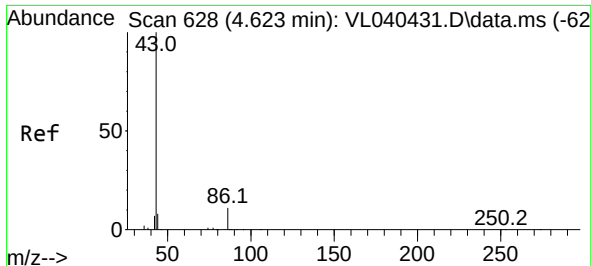
Ion Ratio Lower Upper

96 100

61 169.4 131.8 197.6

98 66.5 50.1 75.1

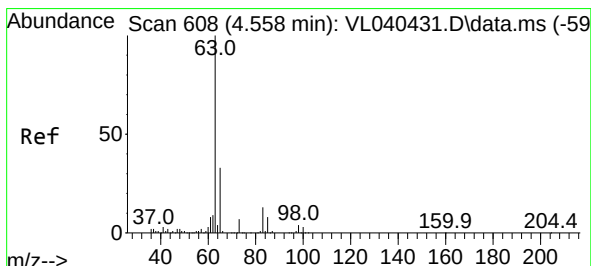
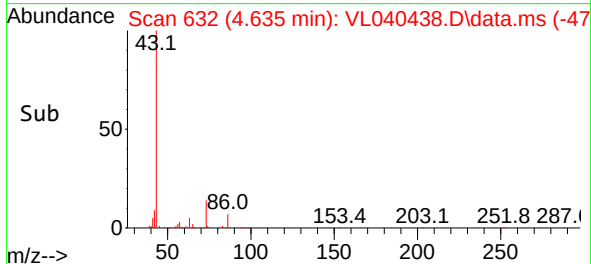
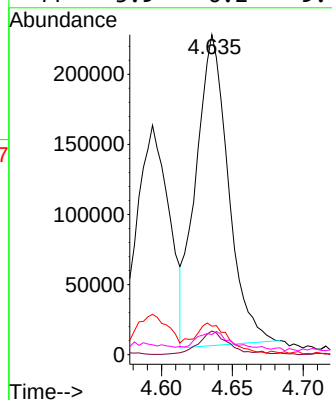
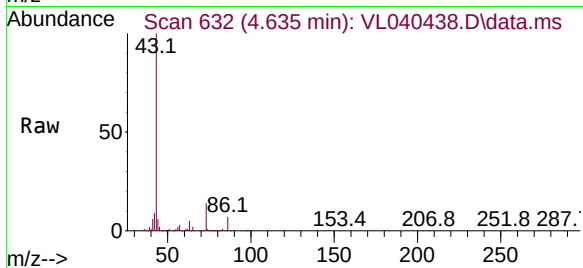




#23
 Vinyl Acetate
 Concen: 8.927 ppbv
 RT: 4.635 min Scan# 612
 Delta R.T. 0.013 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

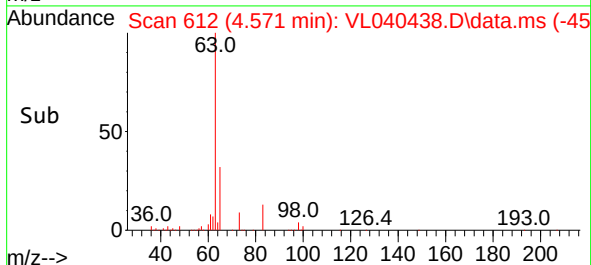
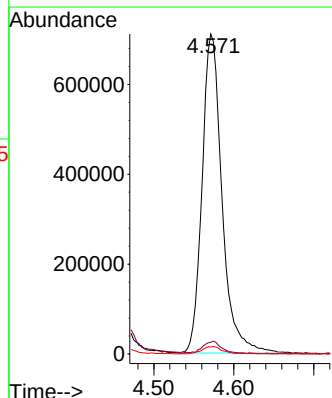
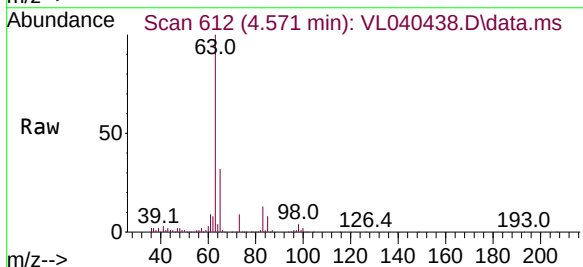
Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL051623

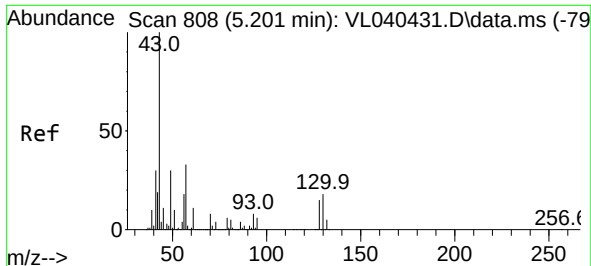
Tgt Ion:	43	Resp:	352351
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.4	8.2
42	8.7	7.8	11.6
44	3.9	6.2	9.4



#24
 1,1-Dichloroethane
 Concen: 9.126 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.013 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

Tgt Ion:	63	Resp:	1232416
Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.0	5.8
100	2.1	1.4	4.2



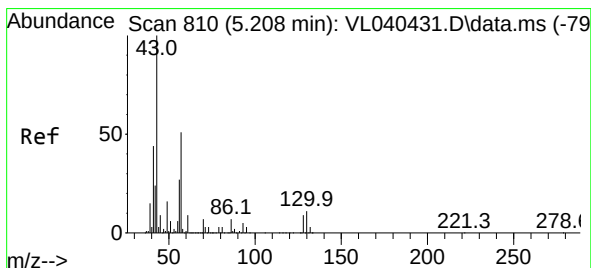
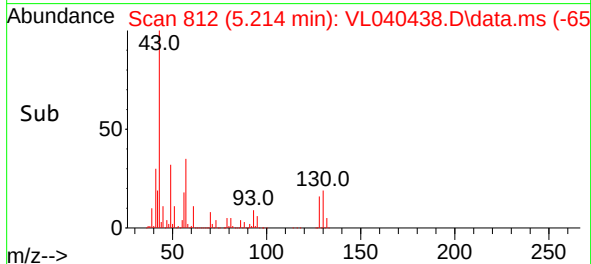
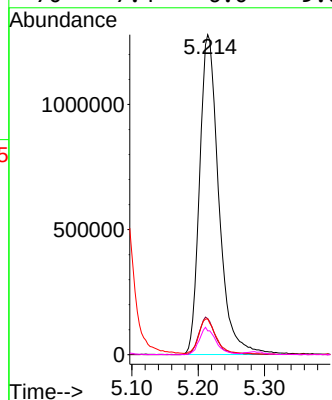
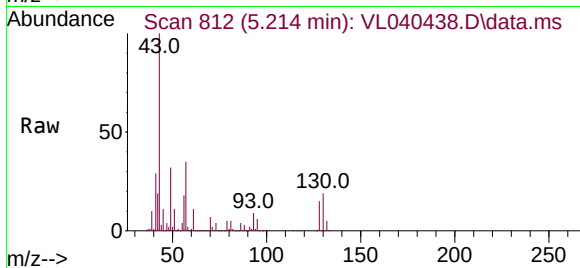


#25
Ethyl Acetate
Concen: 9.554 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.013 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051623

Tgt Ion: 43 Resp: 2569357

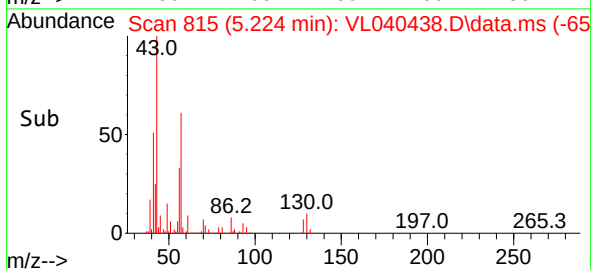
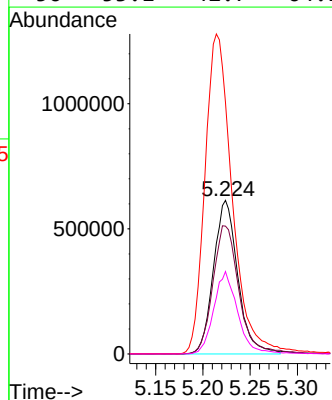
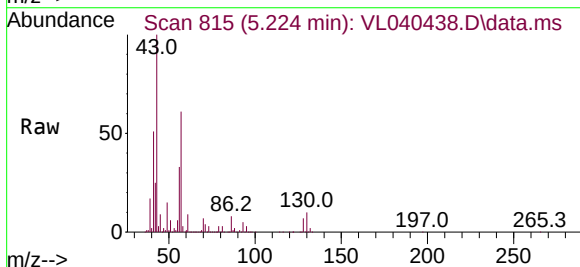
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.6	13.0
61	10.2	8.6	12.8
70	7.4	6.0	9.0

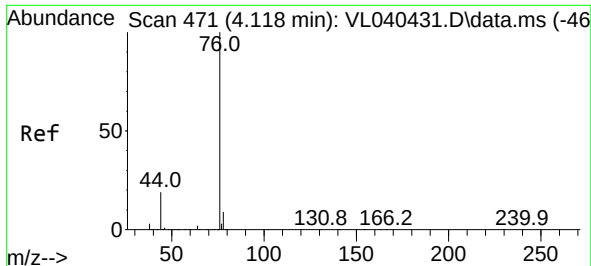


#26
Hexane
Concen: 9.839 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 57 Resp: 1096958

Ion	Ratio	Lower	Upper
57	100		
41	90.3	75.1	112.7
43	235.9	194.4	291.6
56	53.1	42.7	64.1

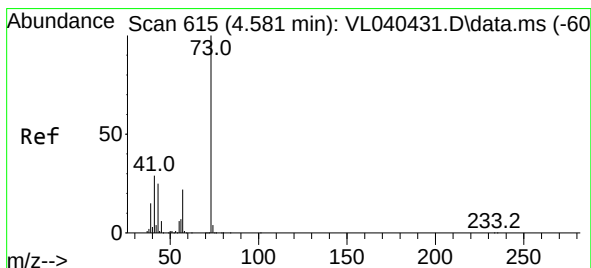
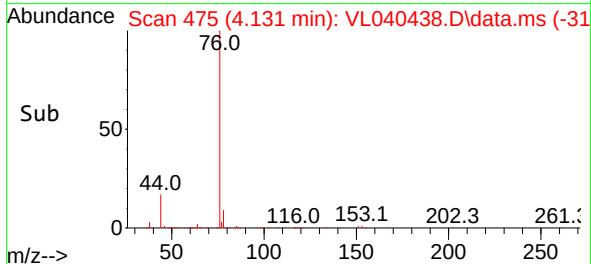
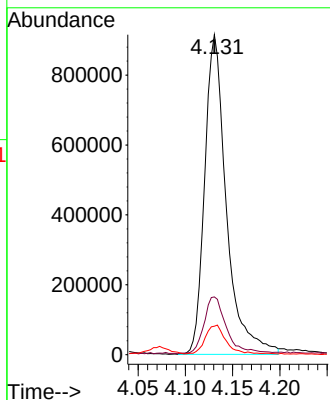
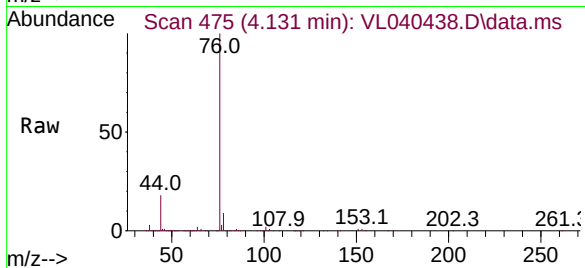




#27
Carbon Disulfide
Concen: 9.999 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

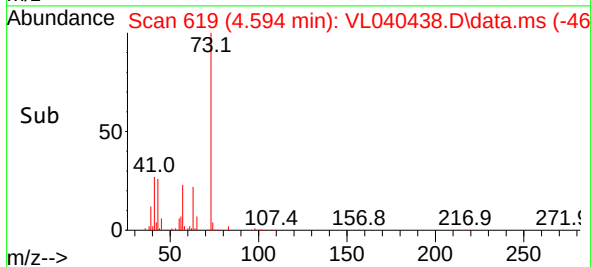
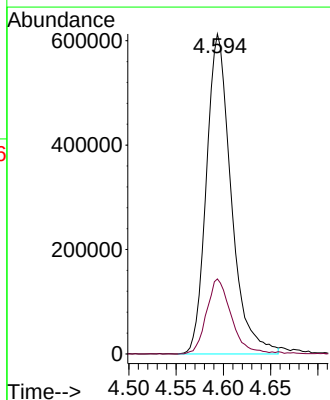
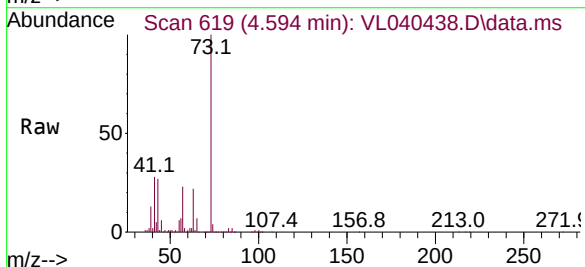
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051623

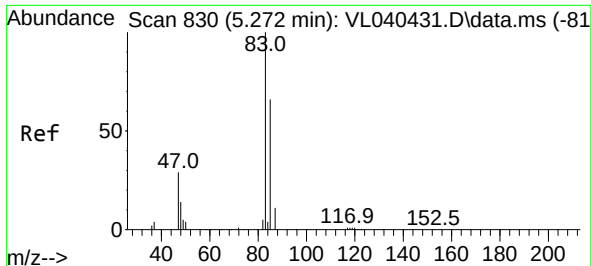
Tgt Ion: 76 Resp: 1465144
Ion Ratio Lower Upper
76 100
44 19.3 15.3 22.9
78 9.5 7.4 11.2



#28
Methyl tert-Butyl Ether
Concen: 9.429 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.013 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 73 Resp: 1116822
Ion Ratio Lower Upper
73 100
57 23.8 18.9 28.3





#29

Chloroform

Concen: 9.123 ppbv

RT: 5.285 min Scan# 81

Delta R.T. 0.013 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

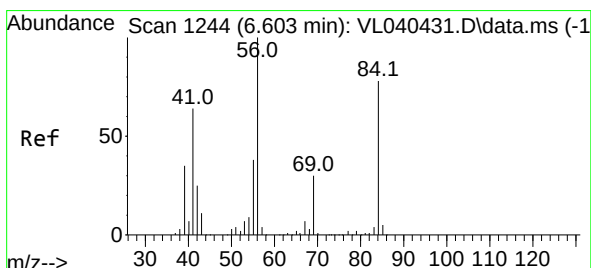
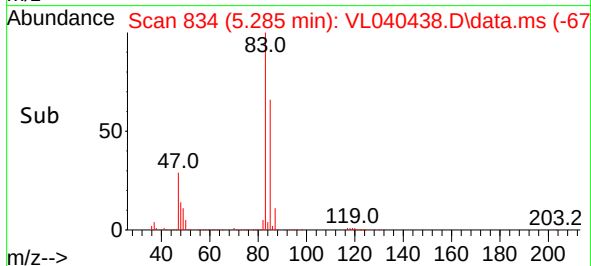
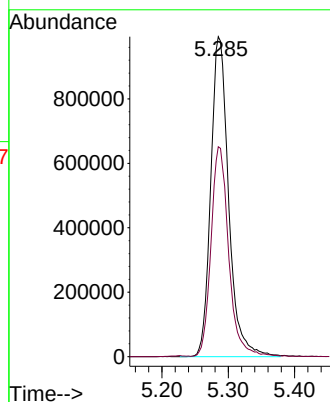
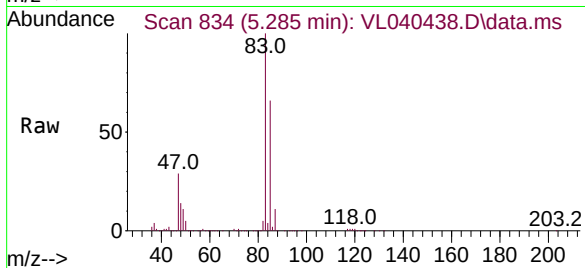
ICVVL051623

Tgt Ion: 83 Resp: 1854483

Ion Ratio Lower Upper

83 100

85 65.4 52.4 78.6



#30

Cyclohexane

Concen: 10.180 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.013 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

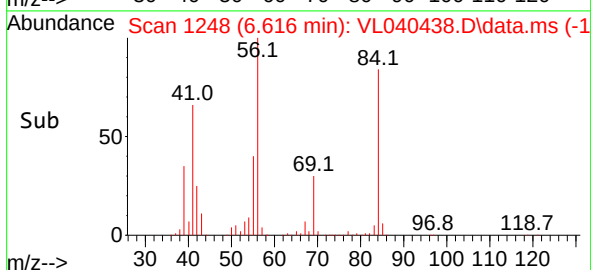
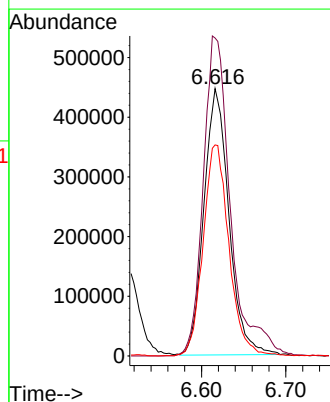
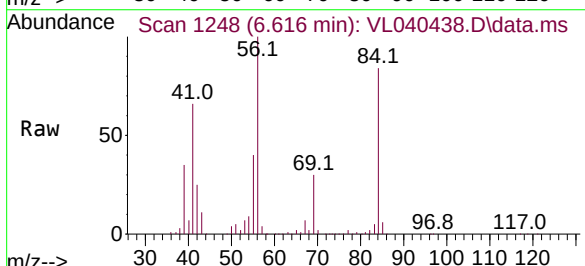
Tgt Ion: 84 Resp: 923249

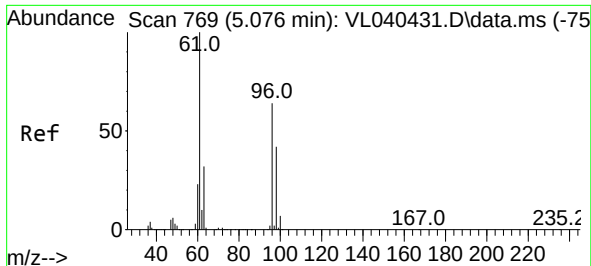
Ion Ratio Lower Upper

84 100

56 131.2 108.2 162.4

41 81.6 66.9 100.3



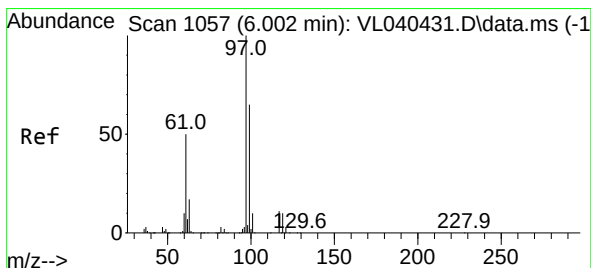
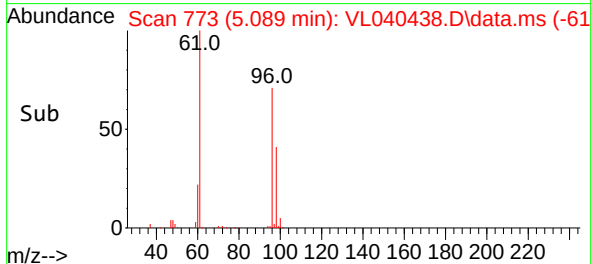
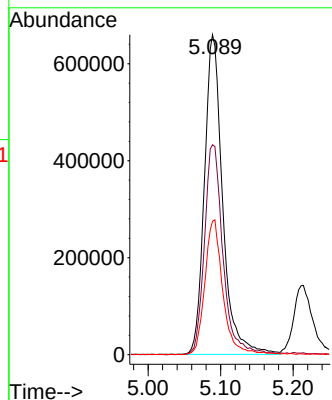
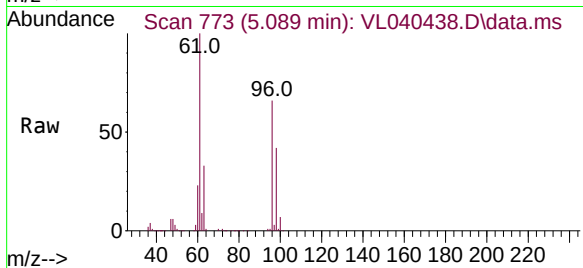


#31
 cis-1,2-Dichloroethene
 Concen: 10.446 ppbv
 RT: 5.089 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051623

Tgt Ion: 61 Resp: 1153329

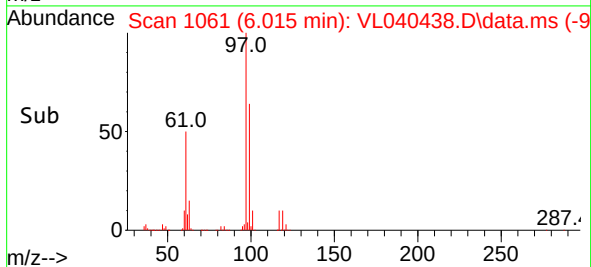
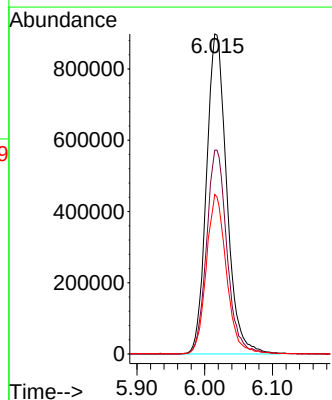
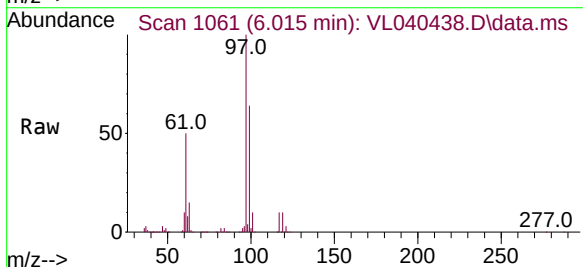
Ion	Ratio	Lower	Upper
61	100		
96	65.5	51.4	77.0
98	41.7	33.6	50.4

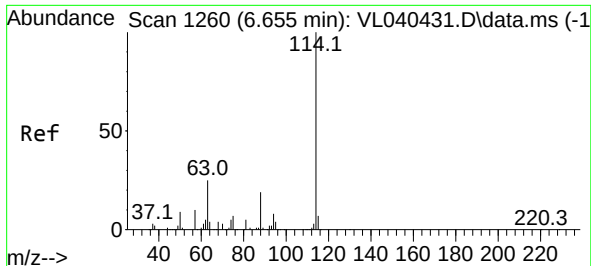


#32
 1,1,1-Trichloroethane
 Concen: 8.864 ppbv
 RT: 6.015 min Scan# 1061
 Delta R.T. 0.013 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

Tgt Ion: 97 Resp: 1872128

Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.2	78.2
61	49.6	40.2	60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 1

Delta R.T. 0.016 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051623

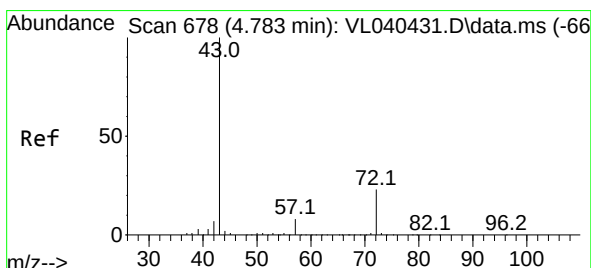
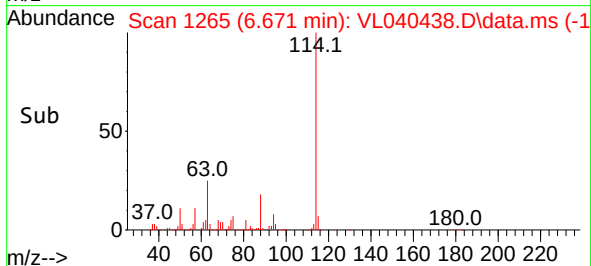
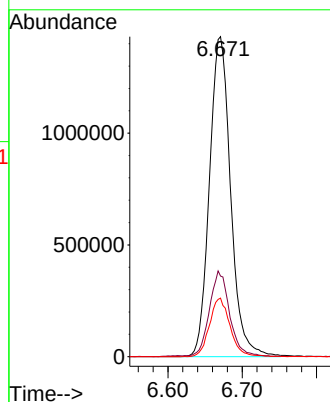
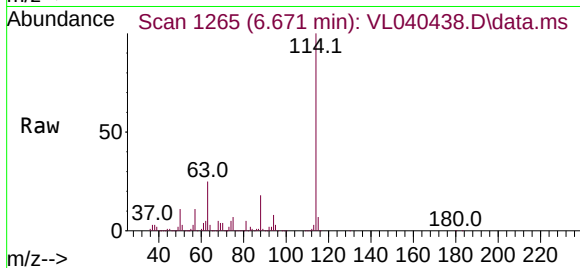
Tgt Ion:114 Resp: 2831832

Ion Ratio Lower Upper

114 100

63 25.9 21.0 31.6

88 17.8 14.6 22.0



#34

2-Butanone

Concen: 10.167 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.013 min

Lab File: VL040438.D

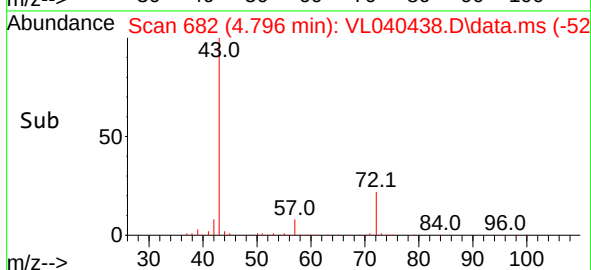
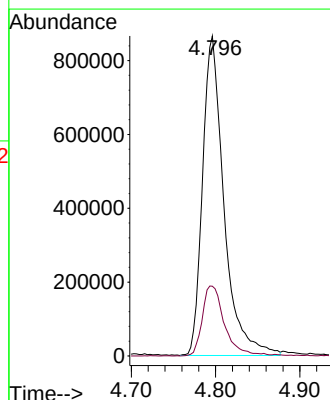
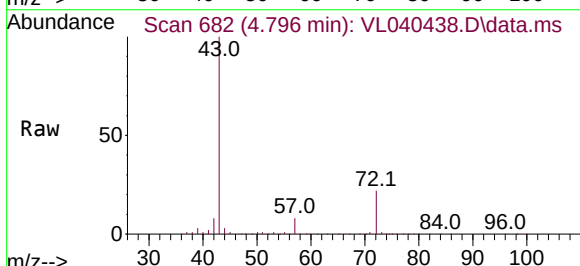
Acq: 16 May 2023 14:12

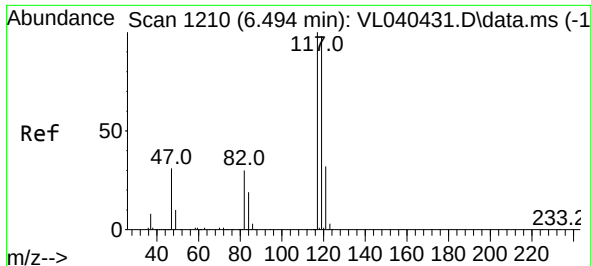
Tgt Ion: 43 Resp: 1532740

Ion Ratio Lower Upper

43 100

72 23.1 18.3 27.5

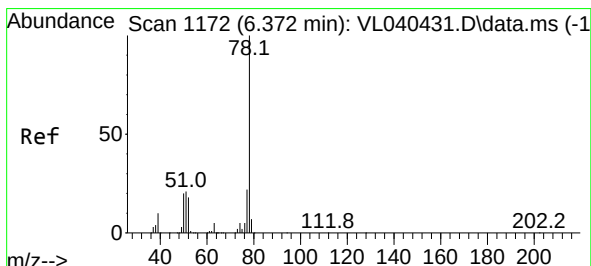
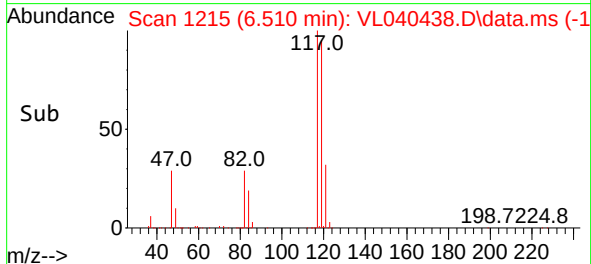
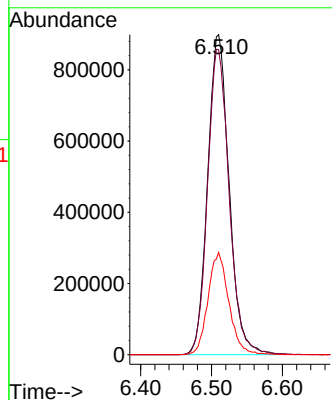
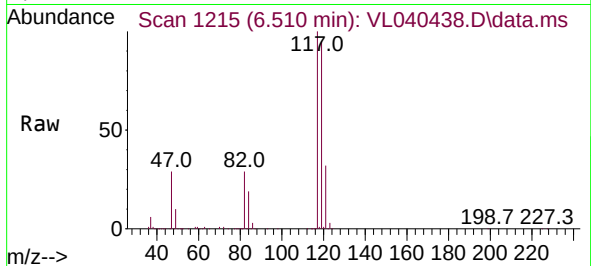




#35
Carbon Tetrachloride
Concen: 9.302 ppbv
RT: 6.510 min Scan# 1176
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

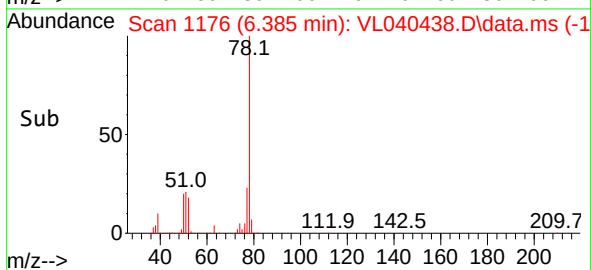
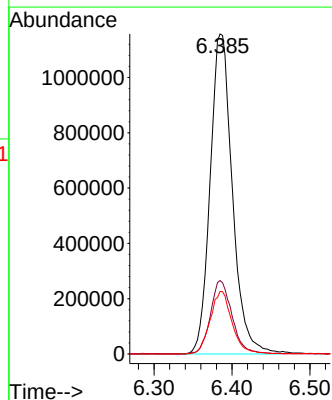
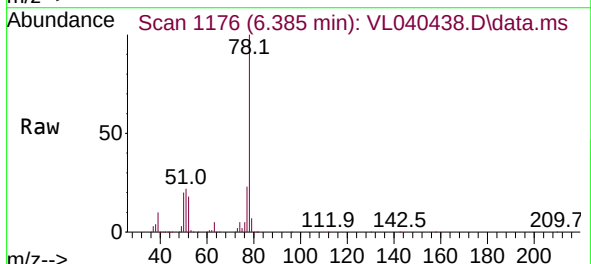
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051623

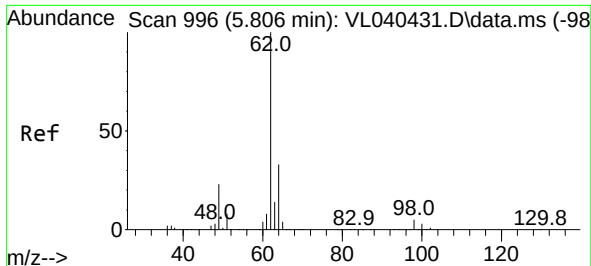
Tgt Ion:117 Resp: 1890760
Ion Ratio Lower Upper
117 100
119 95.3 78.0 117.0
121 31.9 25.2 37.8



#36
Benzene
Concen: 9.986 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. 0.013 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 78 Resp: 2296823
Ion Ratio Lower Upper
78 100
77 23.0 17.7 26.5
50 19.5 15.8 23.8

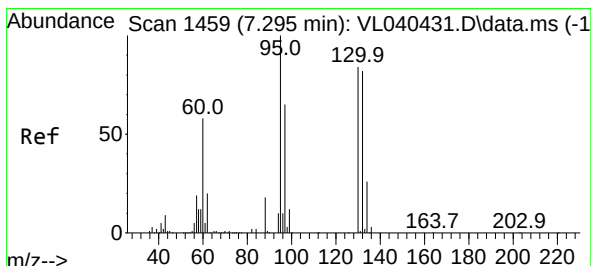
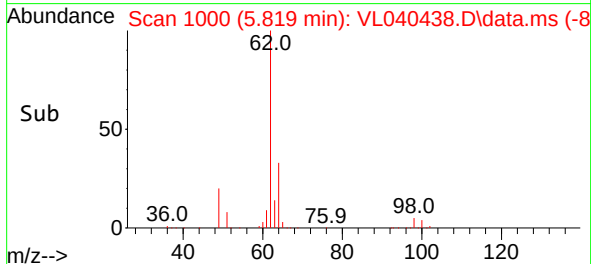
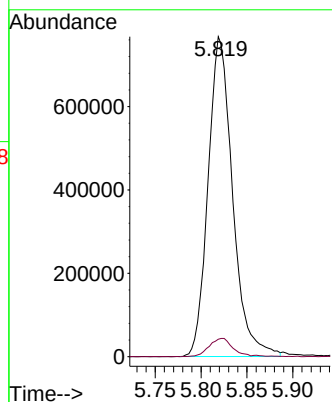
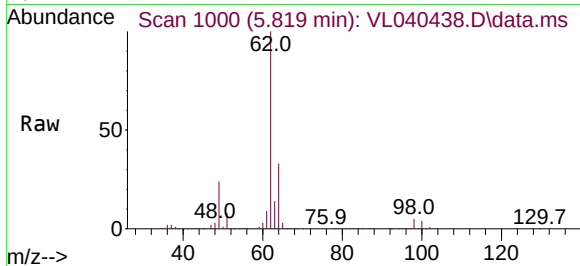




#37
1,2-Dichloroethane
Concen: 9.485 ppbv
RT: 5.819 min Scan# 10
Delta R.T. 0.013 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

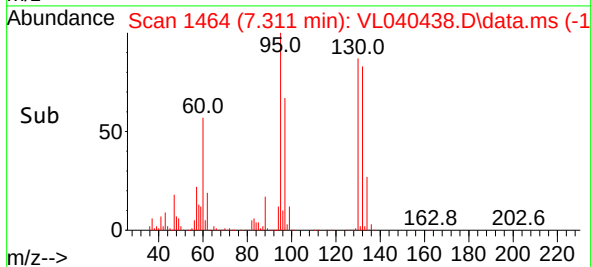
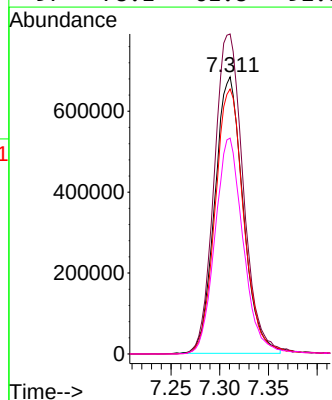
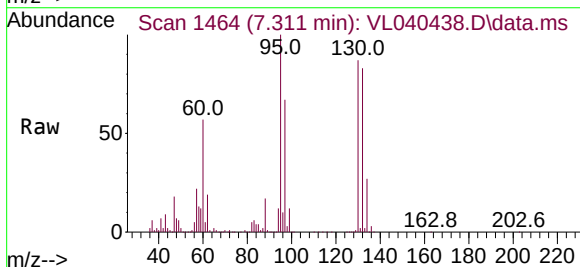
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051623

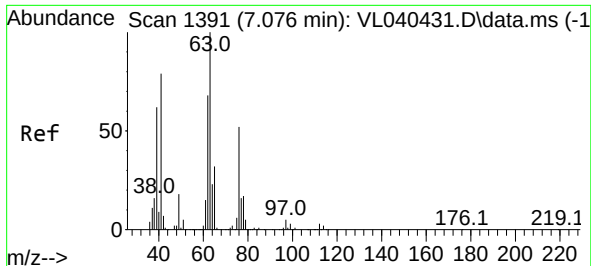
Tgt Ion: 62 Resp: 1425526
Ion Ratio Lower Upper
62 100
98 5.9 4.5 6.7



#38
Trichloroethene
Concen: 9.739 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion:130 Resp: 1379955
Ion Ratio Lower Upper
130 100
95 115.6 94.8 142.2
132 95.8 78.2 117.4
97 78.1 61.8 92.8





#39

1,2-Dichloropropane

Concen: 9.801 ppbv

RT: 7.089 min Scan# 1

Delta R.T. 0.013 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051623

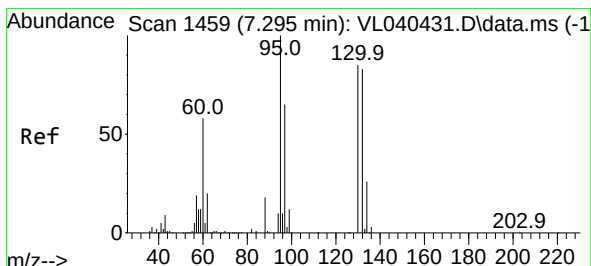
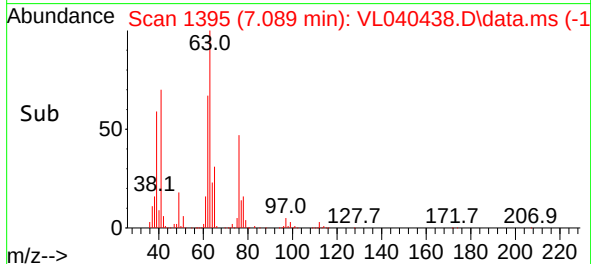
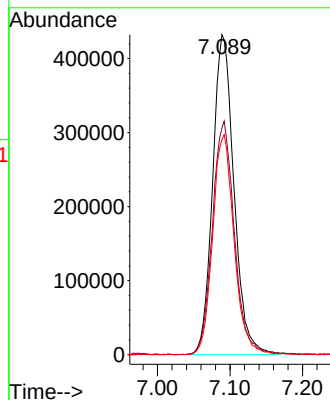
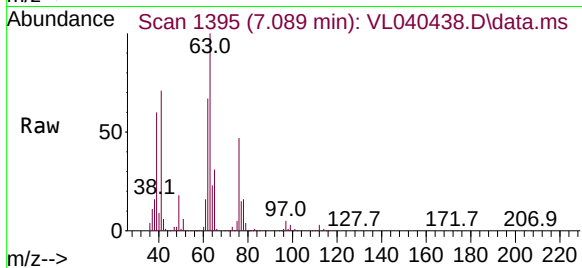
Tgt Ion: 63 Resp: 883035

Ion Ratio Lower Upper

63 100

41 70.8 63.3 94.9

62 67.2 54.2 81.4



#40

1,4-Dioxane

Concen: 9.853 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. 0.010 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Tgt Ion: 88 Resp: 337658

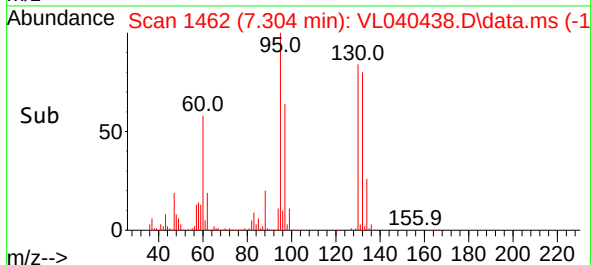
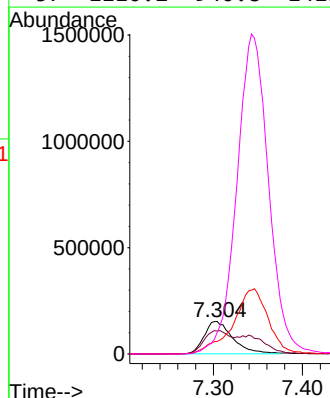
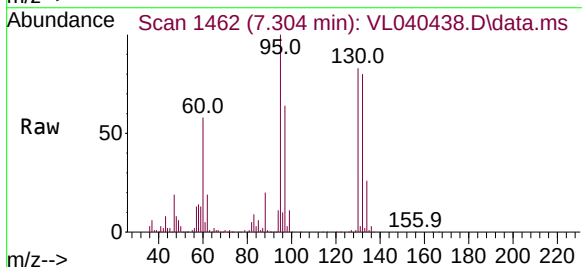
Ion Ratio Lower Upper

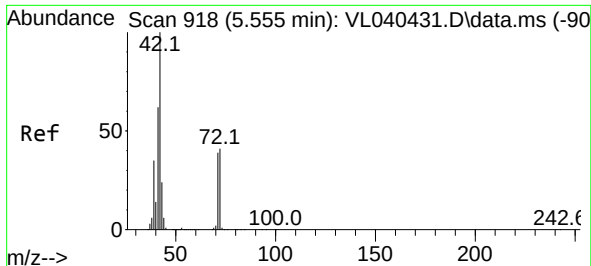
88 100

58 124.9 101.5 152.3

43 252.0 211.7 317.5

57 1110.2 940.8 1411.2

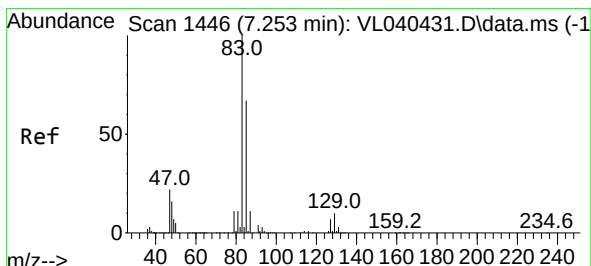
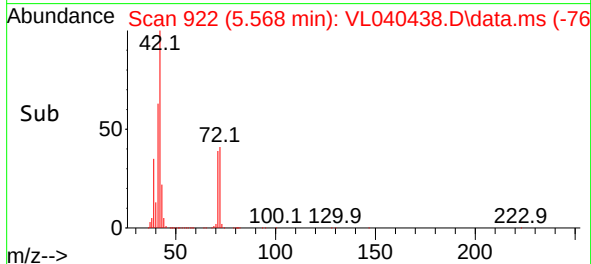
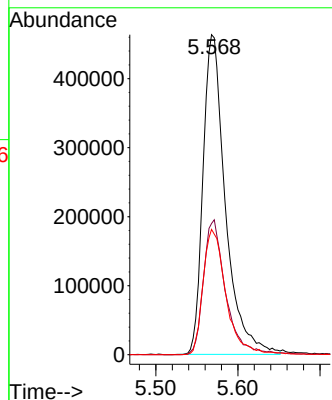
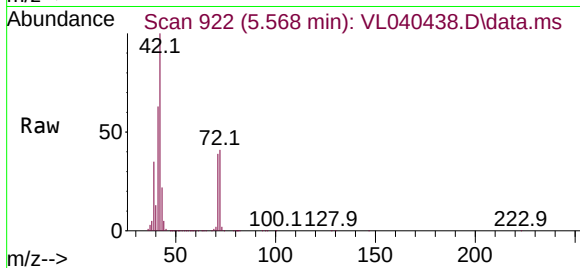




#41
Tetrahydrofuran
Concen: 10.517 ppbv
RT: 5.568 min Scan# 918
Delta R.T. 0.013 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

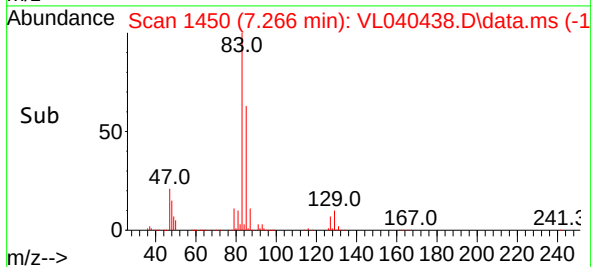
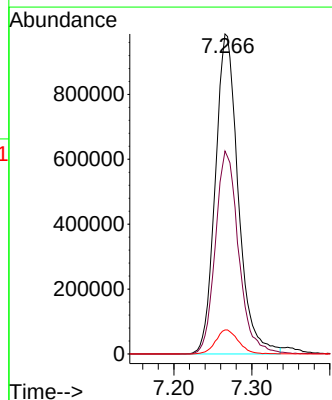
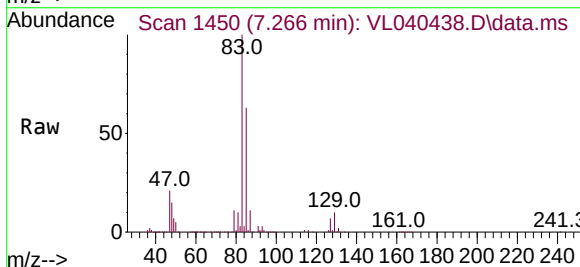
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051623

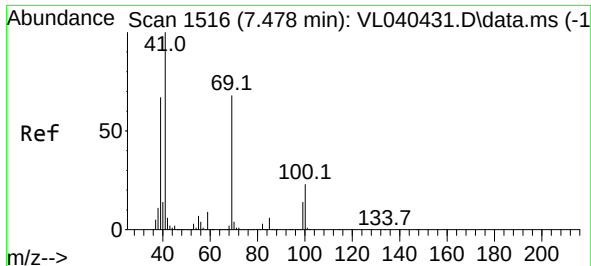
Tgt Ion: 42 Resp: 879847
Ion Ratio Lower Upper
42 100
72 42.0 33.0 49.4
71 40.3 32.2 48.2



#42
Bromodichloromethane
Concen: 9.933 ppbv
RT: 7.266 min Scan# 1450
Delta R.T. 0.013 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 83 Resp: 2020570
Ion Ratio Lower Upper
83 100
85 63.4 53.6 80.4
127 7.5 5.9 8.9

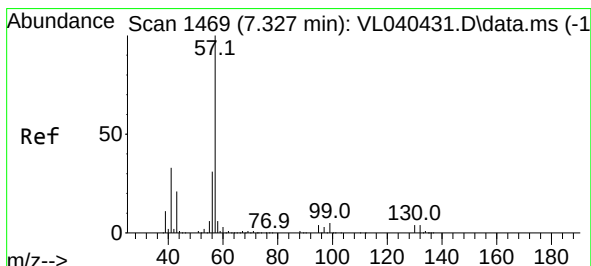
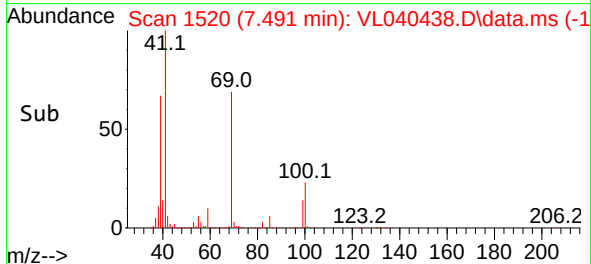
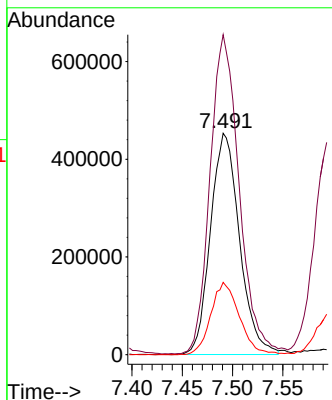
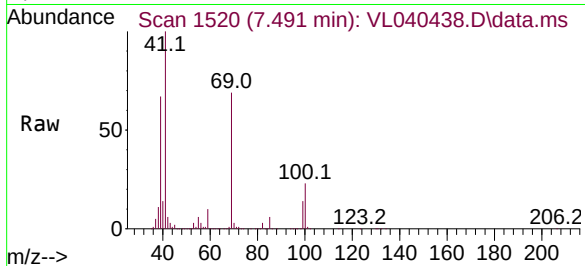




#43
Methyl Methacrylate
Concen: 10.684 ppbv
RT: 7.491 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

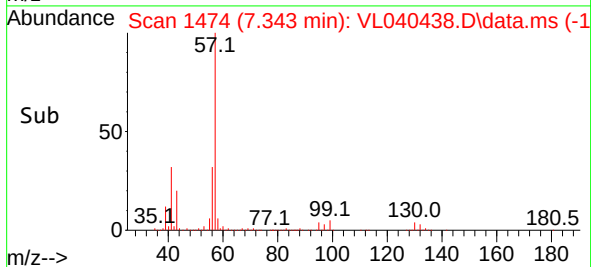
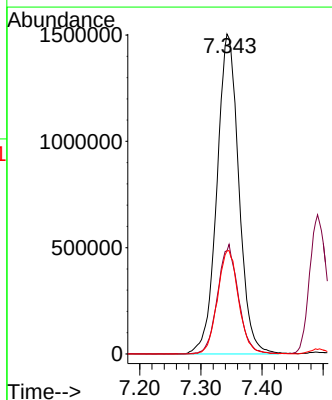
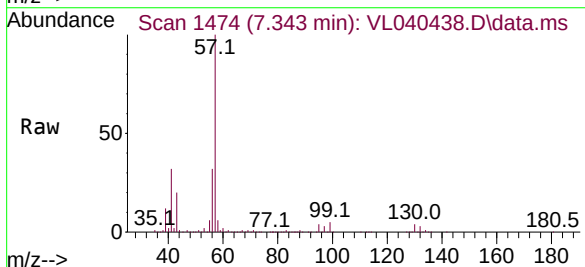
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051623

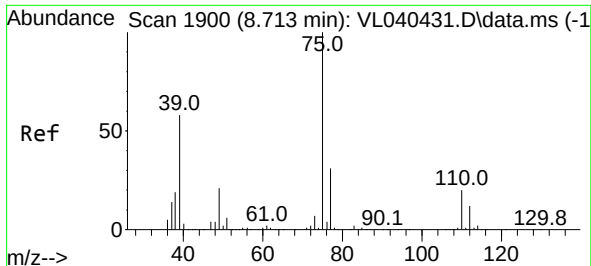
Tgt Ion: 69 Resp: 909061
Ion Ratio Lower Upper
69 100
41 145.4 114.8 172.2
100 32.1 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 9.834 ppbv
RT: 7.343 min Scan# 1474
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 57 Resp: 3742794
Ion Ratio Lower Upper
57 100
41 32.5 27.0 40.4
56 31.3 25.0 37.4

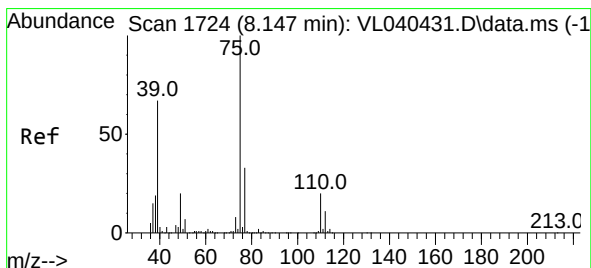
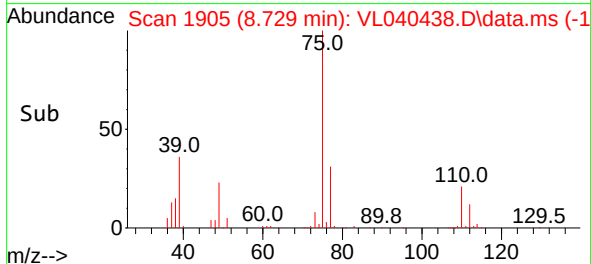
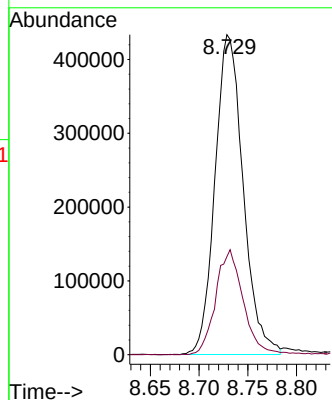
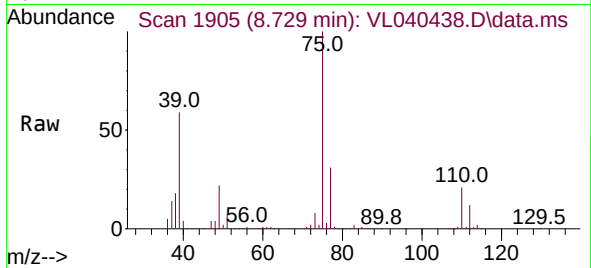




#45
 t-1,3-Dichloropropene
 Concen: 11.692 ppbv
 RT: 8.729 min Scan# 1905
 Delta R.T. 0.016 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

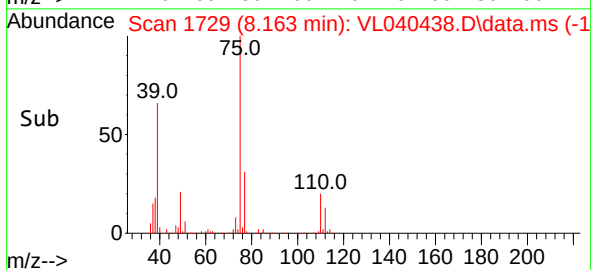
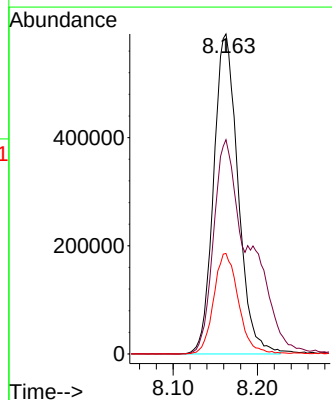
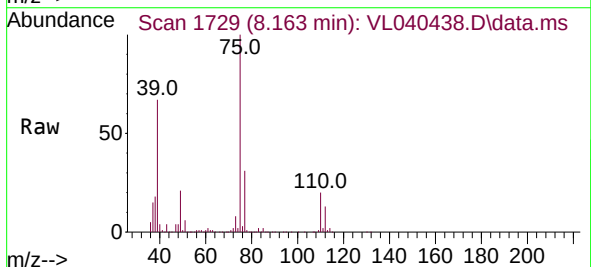
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051623

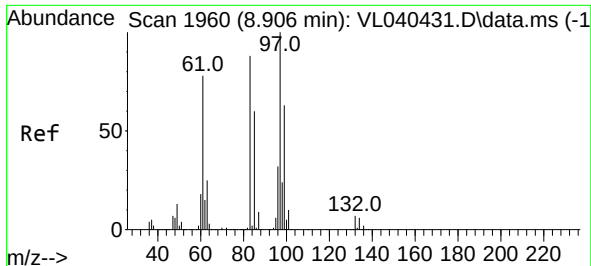
Tgt Ion: 75 Resp: 871522
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.0 37.6



#46
 cis-1,3-Dichloropropene
 Concen: 11.291 ppbv
 RT: 8.163 min Scan# 1729
 Delta R.T. 0.016 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

Tgt Ion: 75 Resp: 1189301
 Ion Ratio Lower Upper
 75 100
 39 67.0 53.8 80.8
 77 31.4 26.3 39.5

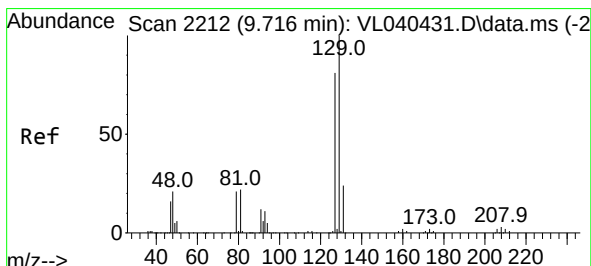
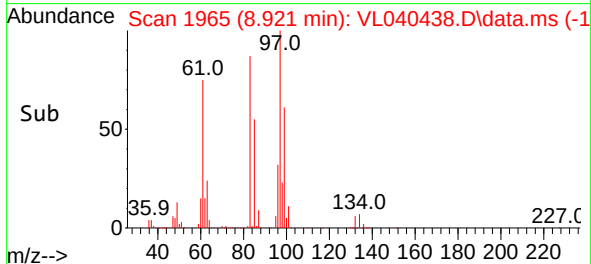
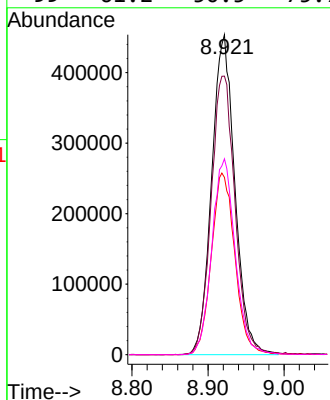
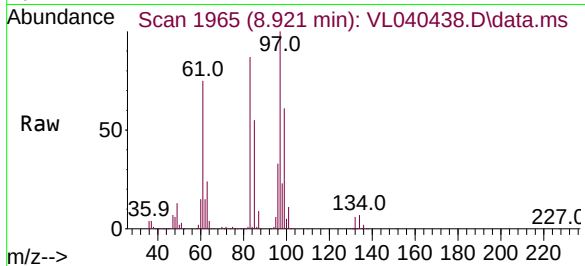




#47
1,1,2-Trichloroethane
Concen: 9.773 ppbv
RT: 8.921 min Scan# 1965
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

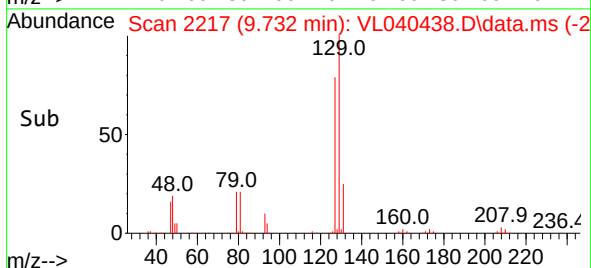
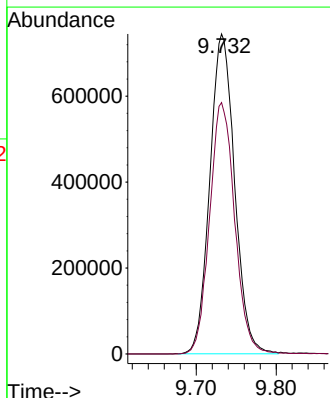
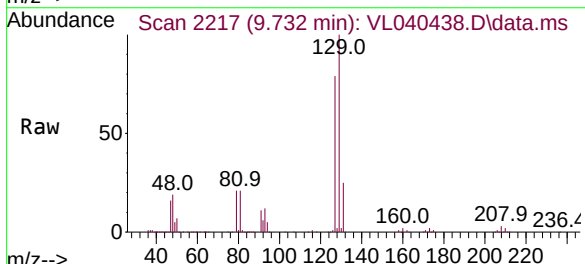
Instrument : MSVOA_L
ClientSampleId : ICVVL051623

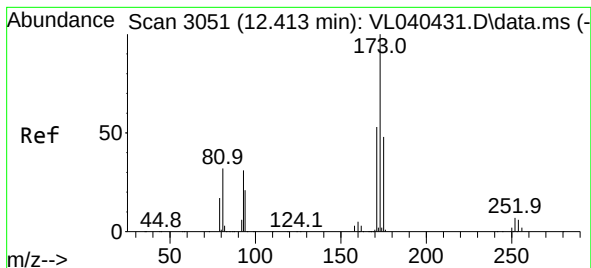
Tgt Ion:	97	Resp:	960999
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.3	105.5
85	55.4	47.7	71.5
99	61.2	50.5	75.7



#48
Dibromochloromethane
Concen: 10.204 ppbv
RT: 9.732 min Scan# 2217
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion:	129	Resp:	1602791
Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.2	117.6





#49

Bromoform

Concen: 10.173 ppbv

RT: 12.433 min Scan# 3051

Delta R.T. 0.019 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051623

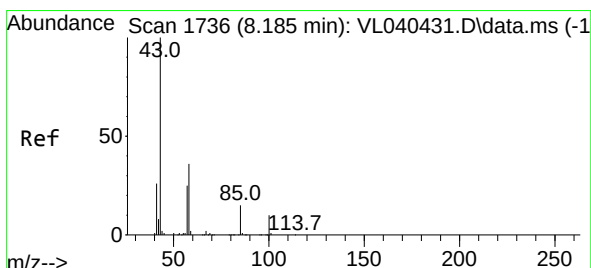
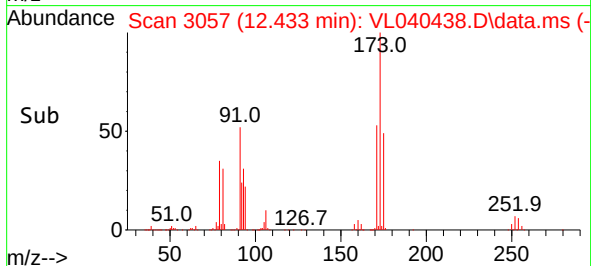
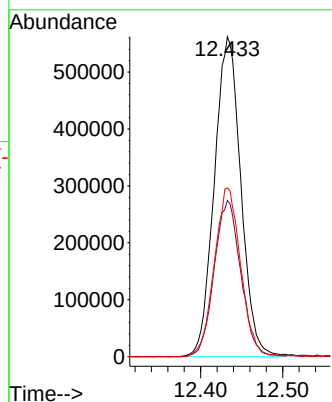
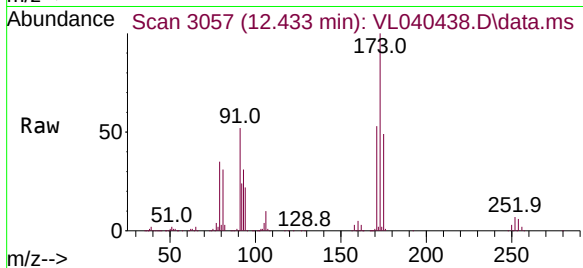
Tgt Ion:173 Resp: 1260605

Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.2

171 52.8 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 10.140 ppbv

RT: 8.198 min Scan# 1740

Delta R.T. 0.013 min

Lab File: VL040438.D

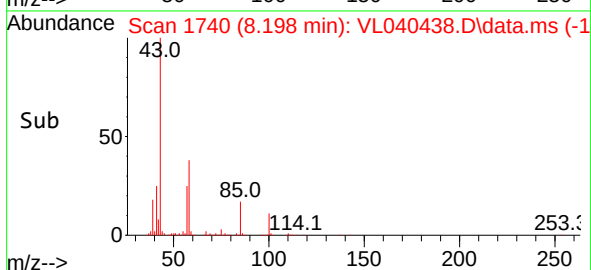
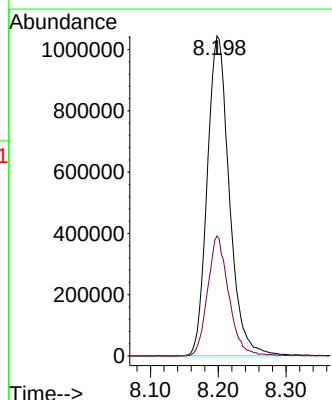
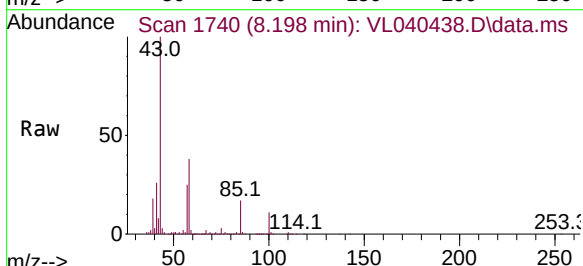
Acq: 16 May 2023 14:12

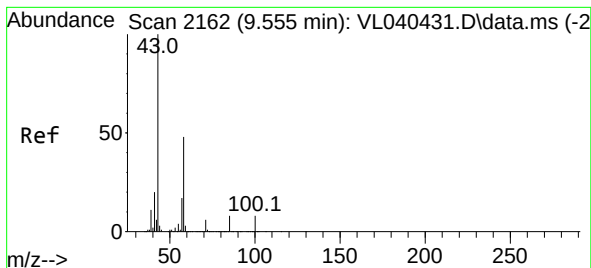
Tgt Ion: 43 Resp: 2361614

Ion Ratio Lower Upper

43 100

58 36.1 28.8 43.2





#51

2-Hexanone

Concen: 10.963 ppbv

RT: 9.568 min Scan# 2166

Delta R.T. 0.013 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051623

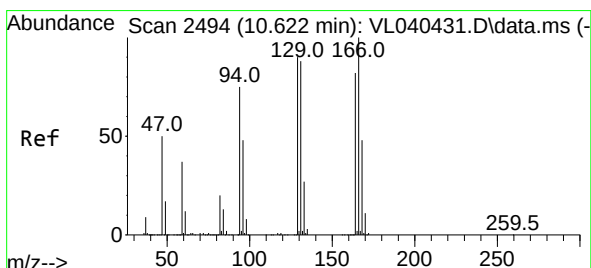
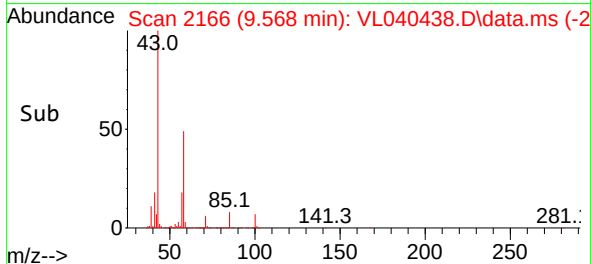
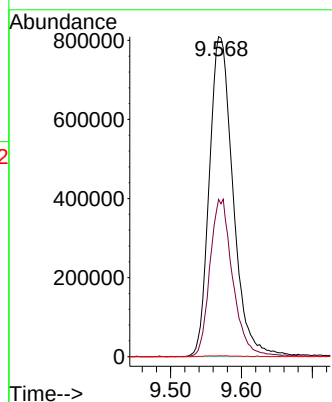
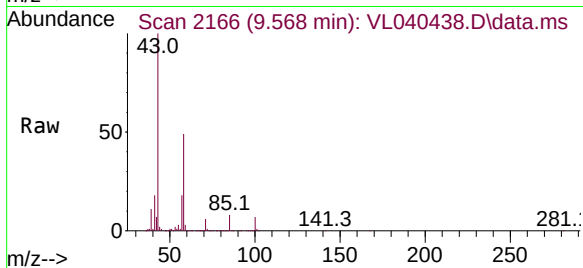
Tgt Ion: 43 Resp: 1880570

Ion Ratio Lower Upper

43 100

58 47.8 38.5 57.7

98 0.4 0.2 0.4#



#52

Tetrachloroethene

Concen: 9.880 ppbv

RT: 10.638 min Scan# 2499

Delta R.T. 0.016 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Tgt Ion: 164 Resp: 771614

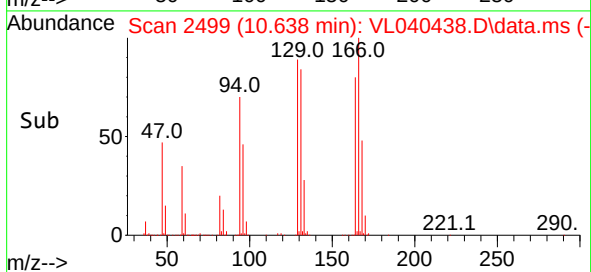
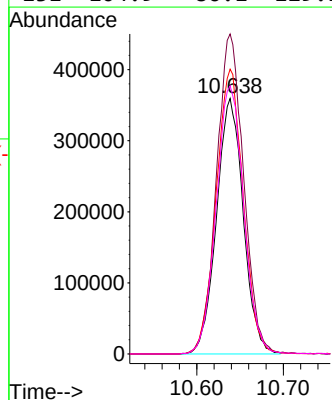
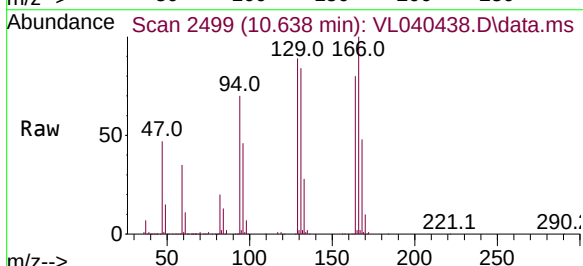
Ion Ratio Lower Upper

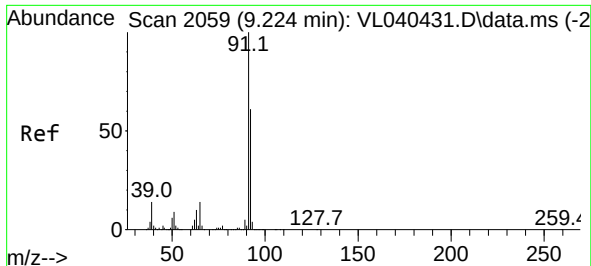
164 100

166 125.2 97.8 146.6

129 111.4 88.4 132.6

131 104.9 86.1 129.1

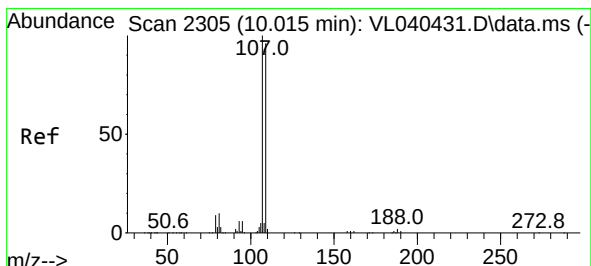
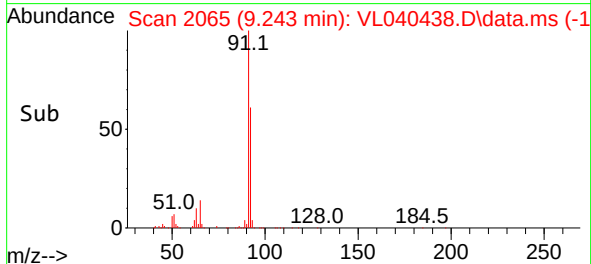
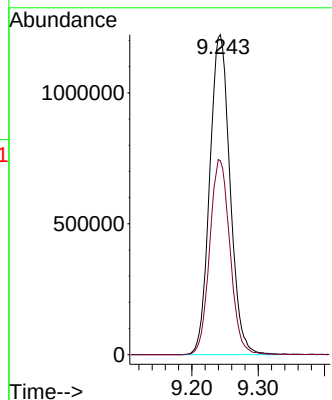
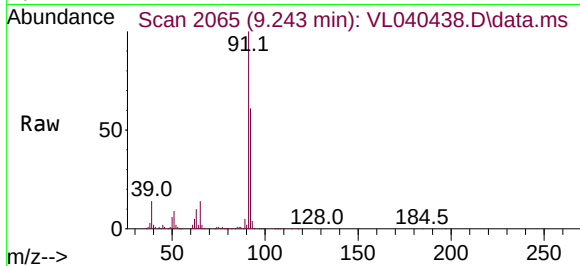




#53
Toluene
Concen: 10.721 ppbv
RT: 9.243 min Scan# 2059
Delta R.T. 0.019 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

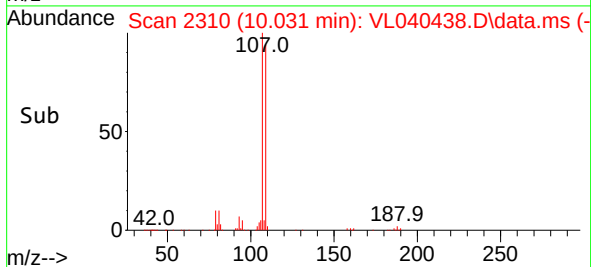
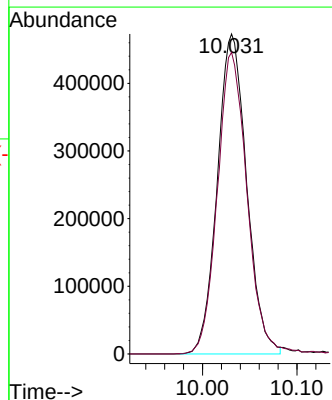
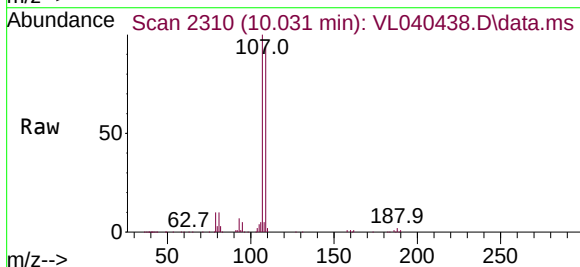
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051623

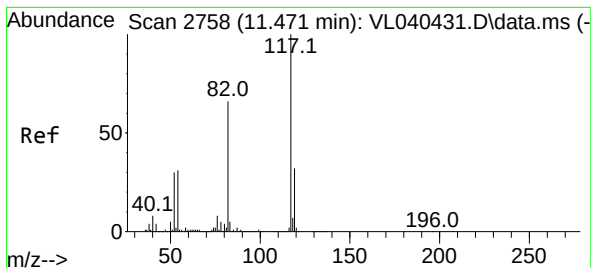
Tgt Ion: 91 Resp: 2604414
Ion Ratio Lower Upper
91 100
92 60.8 49.1 73.7



#54
1,2-Dibromoethane
Concen: 10.375 ppbv
RT: 10.031 min Scan# 2310
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 107 Resp: 1019589
Ion Ratio Lower Upper
107 100
109 94.2 76.7 115.1

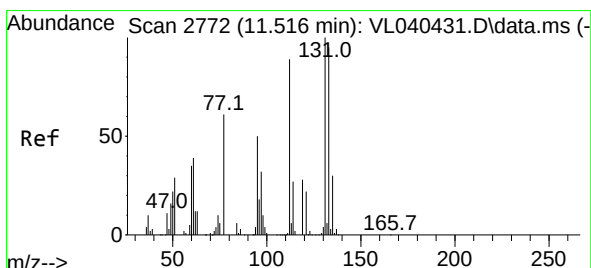
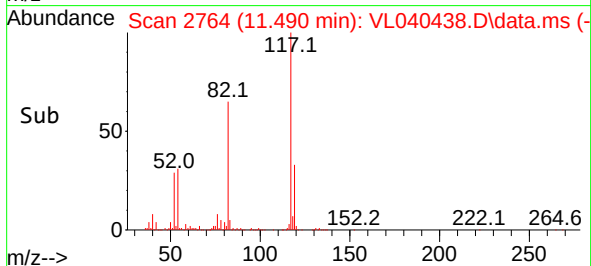
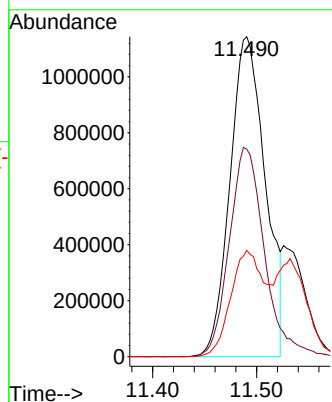
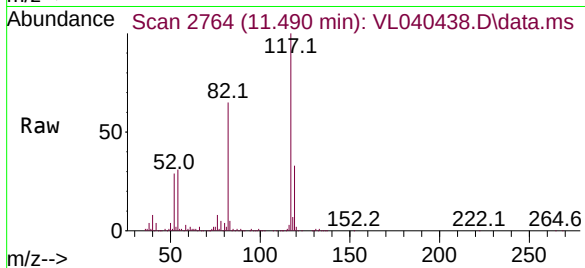




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.490 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

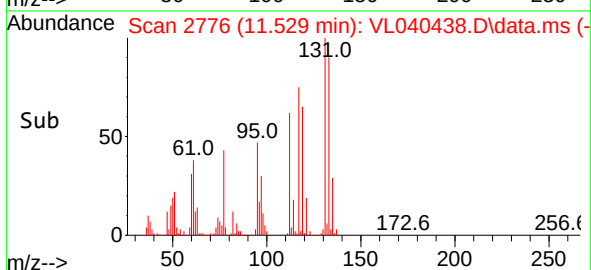
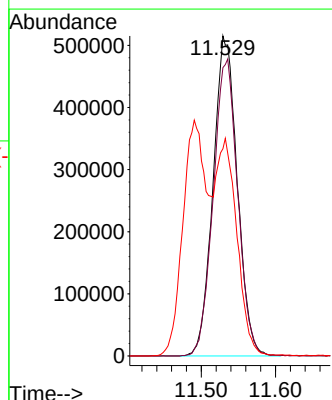
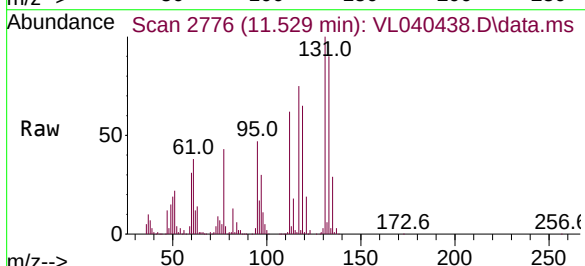
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051623

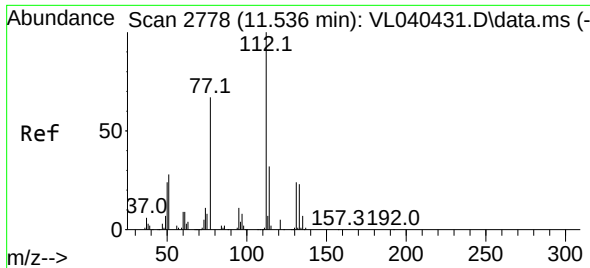
Tgt Ion:117 Resp: 2700902
Ion Ratio Lower Upper
117 100
82 65.3 52.5 78.7
119 29.6 24.0 36.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.304 ppbv
RT: 11.529 min Scan# 2776
Delta R.T. 0.013 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion:131 Resp: 1163823
Ion Ratio Lower Upper
131 100
133 94.2 75.8 113.8
119 57.6 48.7 73.1

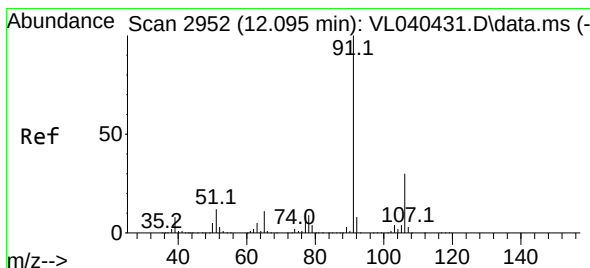
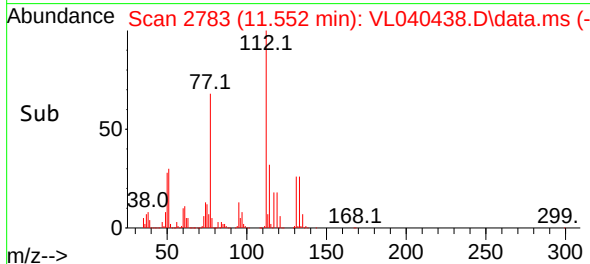
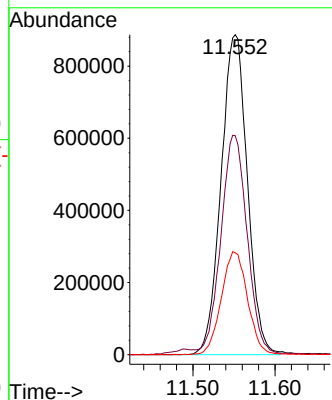
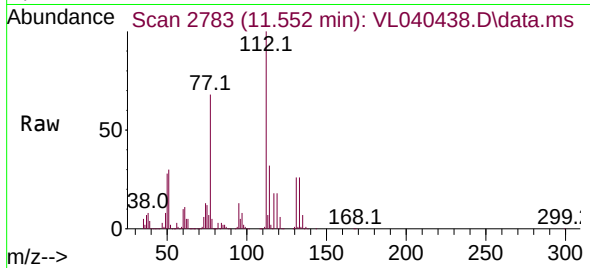




#57
Chlorobenzene
Concen: 9.098 ppbv
RT: 11.552 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

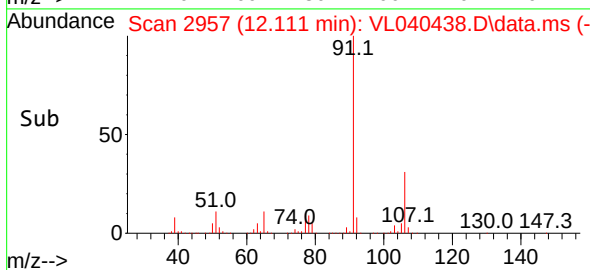
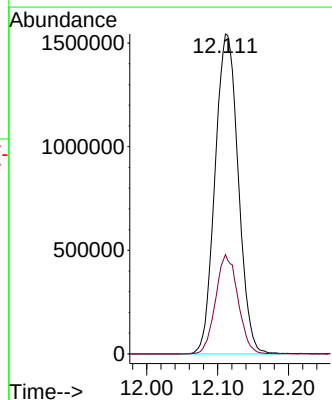
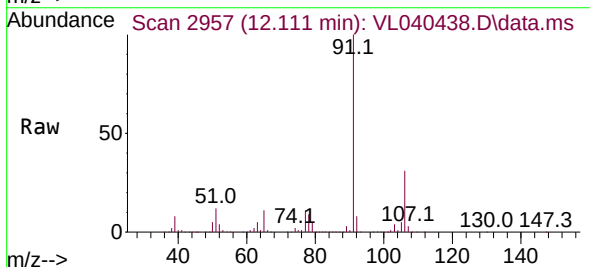
Instrument :
MSVOA_1
ClientSampleId :
ICVVL051623

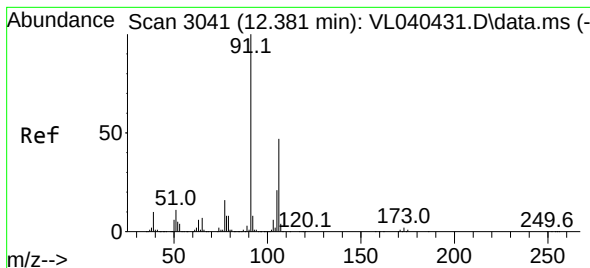
Tgt Ion:112 Resp: 1978428
Ion Ratio Lower Upper
112 100
77 68.1 54.7 82.1
114 31.9 29.0 35.4



#58
Ethyl Benzene
Concen: 10.270 ppbv
RT: 12.111 min Scan# 2957
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 91 Resp: 3510434
Ion Ratio Lower Upper
91 100
106 31.0 23.8 35.8

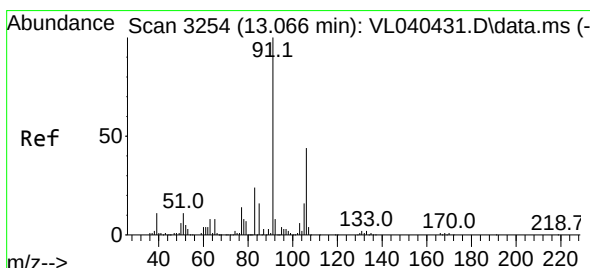
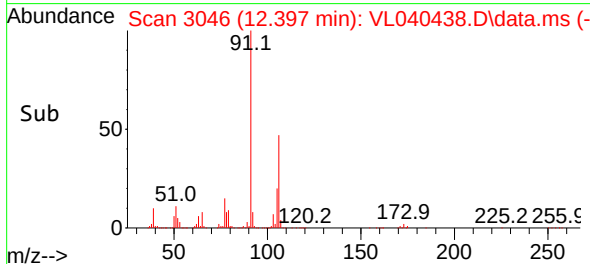
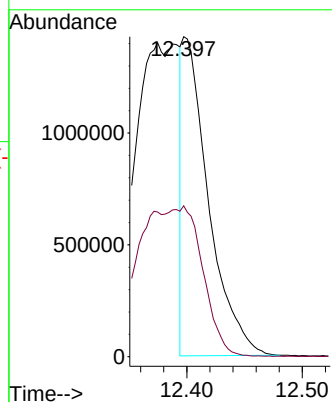
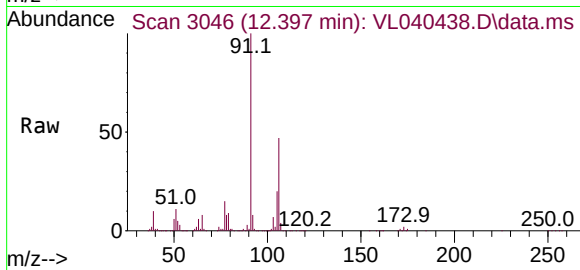




#59
m/p-Xylene
Concen: 7.168 ppbv
RT: 12.397 min Scan# 3046
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

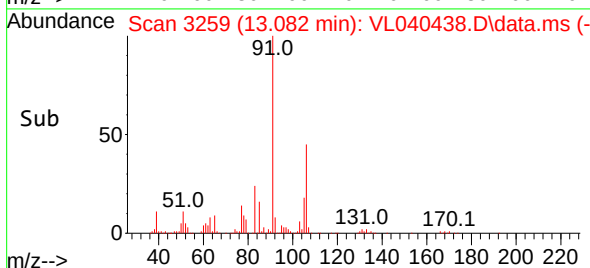
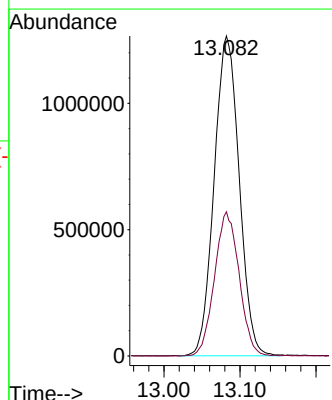
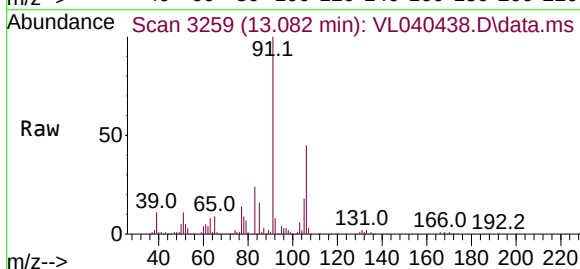
Instrument :
MSVOA_1
ClientSampleId :
ICVVL051623

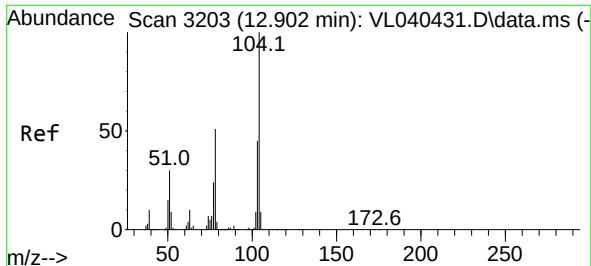
Tgt Ion: 91 Resp: 2234852
Ion Ratio Lower Upper
91 100
106 117.6 34.9 52.3#



#60
o-Xylene
Concen: 9.748 ppbv
RT: 13.082 min Scan# 3259
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion: 91 Resp: 2892404
Ion Ratio Lower Upper
91 100
106 44.4 21.8 65.4

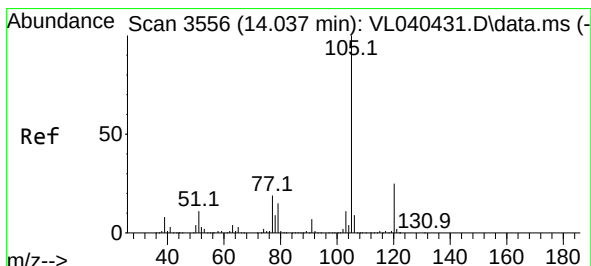
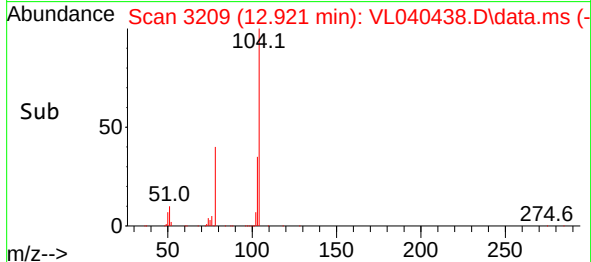
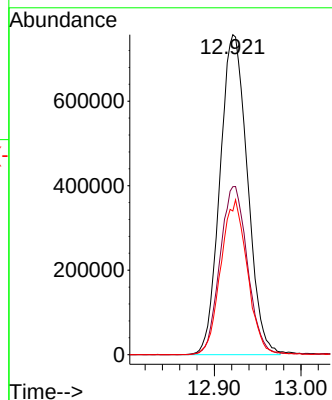
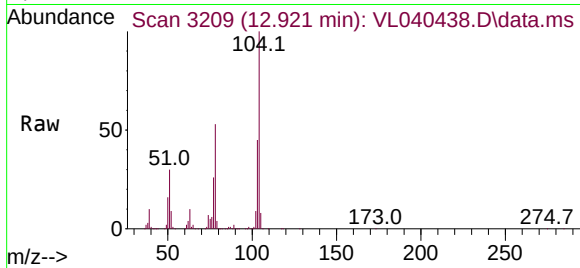




#61
Styrene
Concen: 11.097 ppbv
RT: 12.921 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

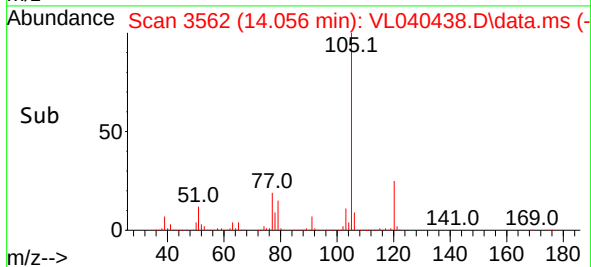
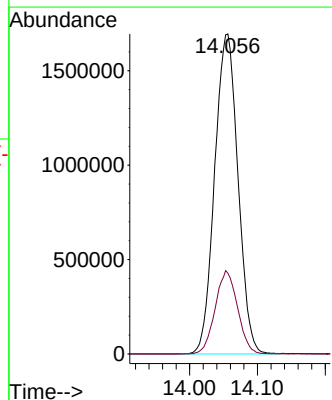
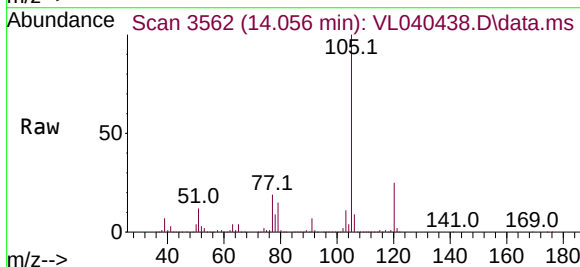
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051623

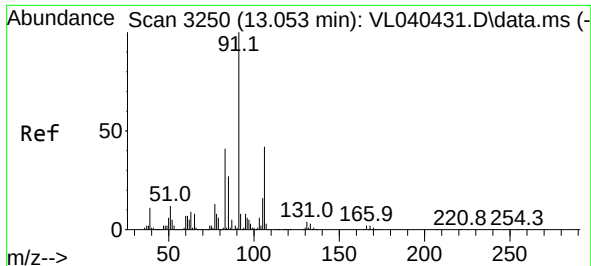
Tgt Ion:104 Resp: 1667778
Ion Ratio Lower Upper
104 100
78 52.9 43.3 64.9
103 47.1 37.4 56.2



#62
Isopropylbenzene
Concen: 9.335 ppbv
RT: 14.056 min Scan# 3562
Delta R.T. 0.019 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion:105 Resp: 4048537
Ion Ratio Lower Upper
105 100
120 25.0 20.0 30.0

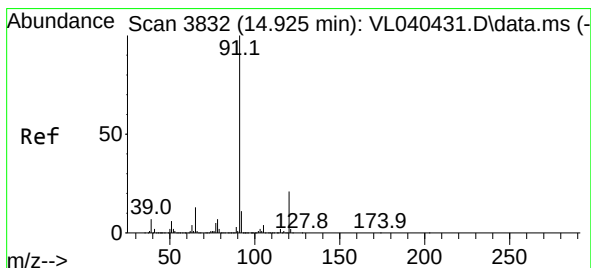
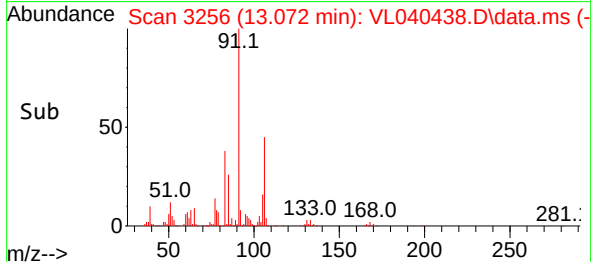
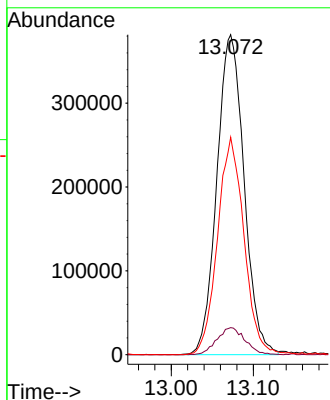
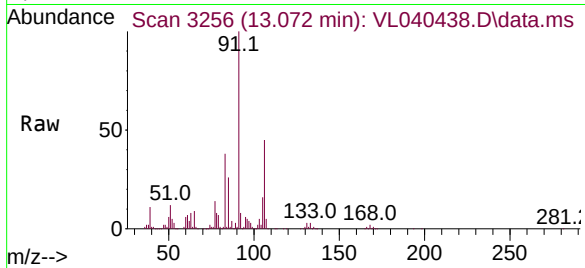




#63
1,1,2,2-Tetrachloroethane
Concen: 8.227 ppbv
RT: 13.072 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

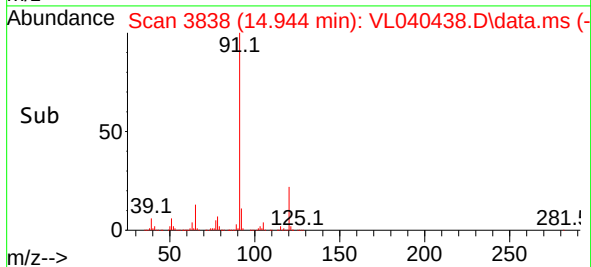
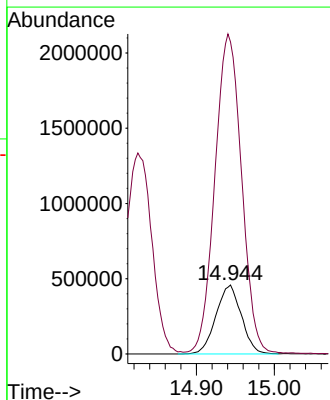
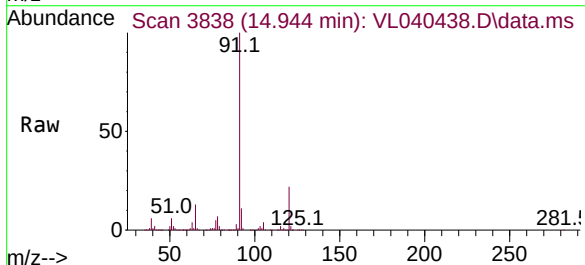
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051623

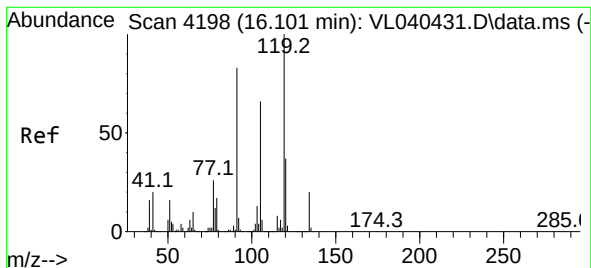
Tgt Ion: 83 Resp: 880571
Ion Ratio Lower Upper
83 100
131 8.8 4.5 13.5
85 66.5 33.0 99.0



#64
n-propylbenzene
Concen: 9.691 ppbv
RT: 14.944 min Scan# 3838
Delta R.T. 0.019 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion:120 Resp: 1036990
Ion Ratio Lower Upper
120 100
91 490.0 393.2 589.8





#65

tert-Butylbenzene

Concen: 9.303 ppbv

RT: 16.117 min Scan# 4198

Delta R.T. 0.016 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051623

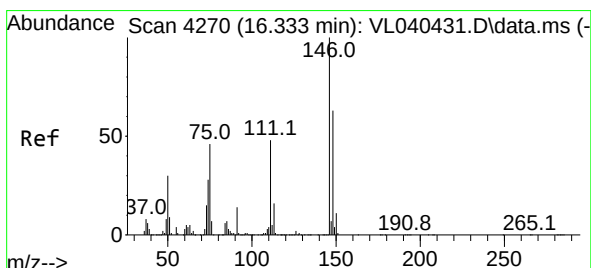
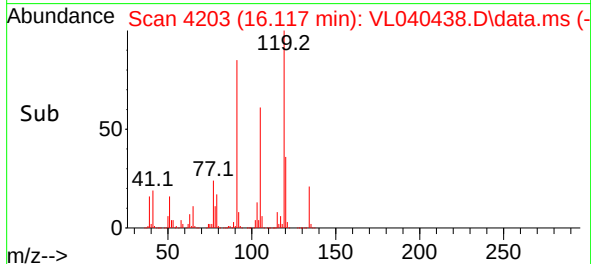
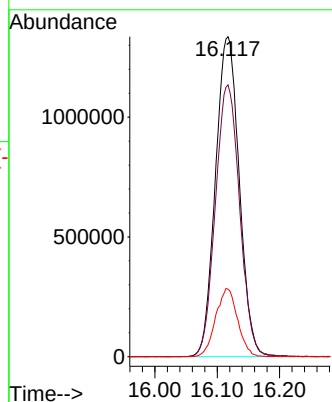
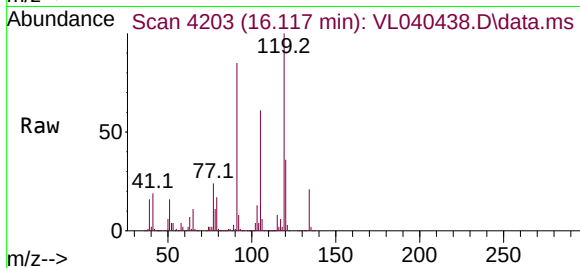
Tgt Ion:119 Resp: 3538487

Ion Ratio Lower Upper

119 100

91 86.7 69.8 104.6

134 19.7 15.4 23.2



#66

Benzyl Chloride

Concen: 9.251 ppbv

RT: 16.352 min Scan# 4276

Delta R.T. 0.019 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

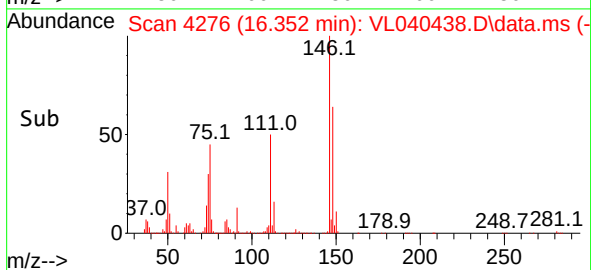
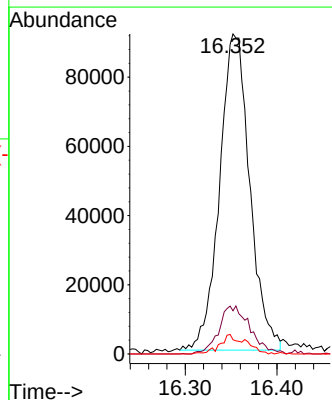
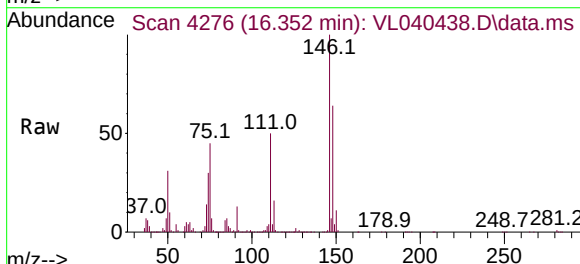
Tgt Ion: 91 Resp: 208785

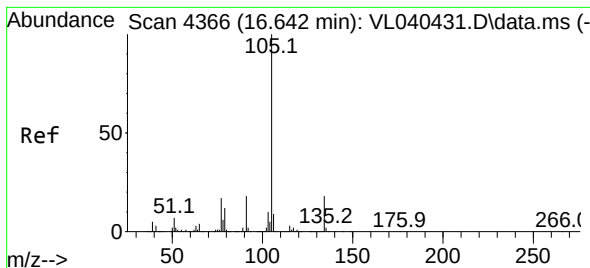
Ion Ratio Lower Upper

91 100

126 15.7 12.6 19.0

128 5.4 3.9 5.9





#67

sec-Butylbenzene

Concen: 9.218 ppbv

RT: 16.664 min Scan# 41

Delta R.T. 0.022 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_1

ClientSampleId :

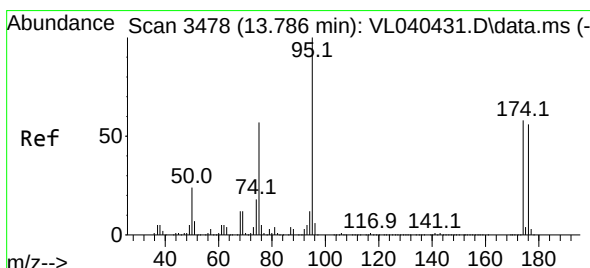
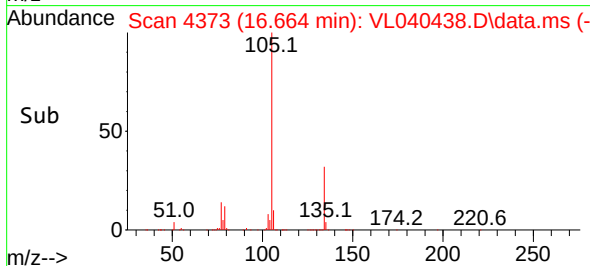
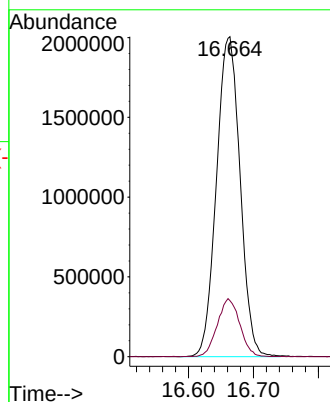
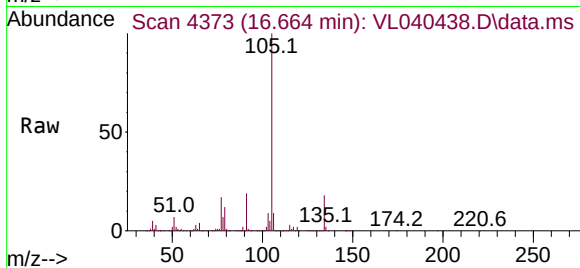
ICVVL051623

Tgt Ion:105 Resp: 5049559

Ion Ratio Lower Upper

105 100

134 17.4 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.787 ppbv

RT: 13.799 min Scan# 3482

Delta R.T. 0.013 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

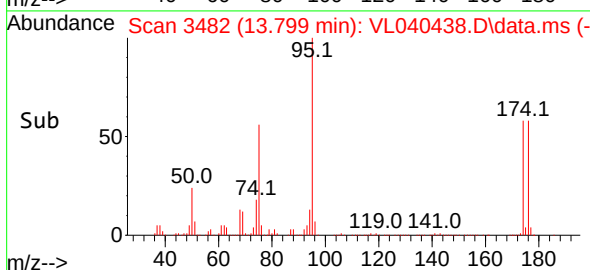
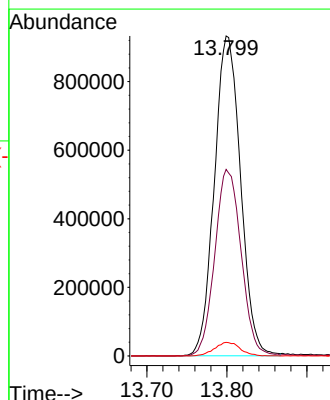
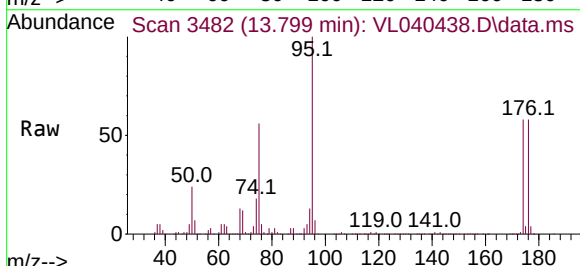
Tgt Ion: 95 Resp: 2125598

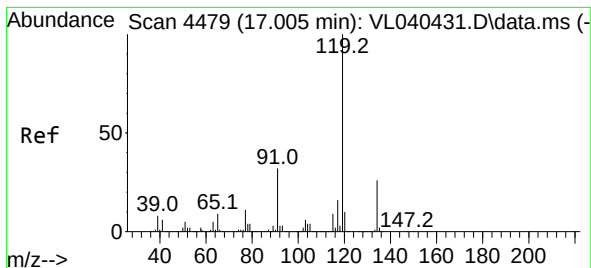
Ion Ratio Lower Upper

95 100

174 58.8 47.0 70.6

175 4.2 3.4 5.0





#69

p-Isopropyltoluene

Concen: 9.434 ppbv

RT: 17.021 min Scan# 4479

Delta R.T. 0.016 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

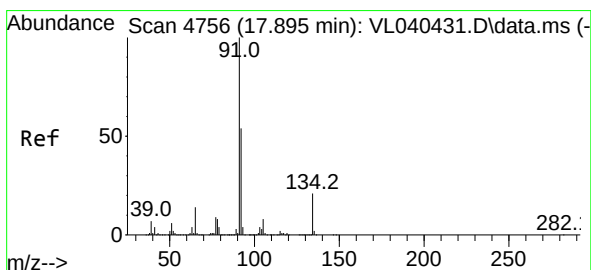
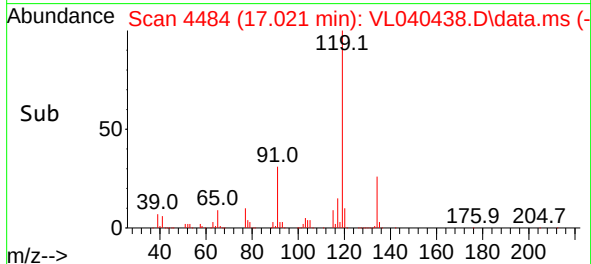
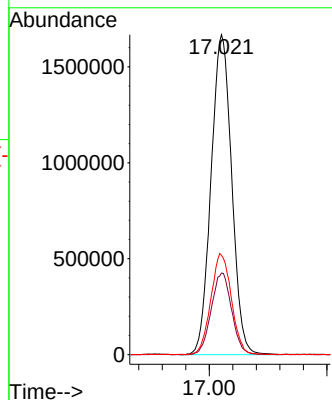
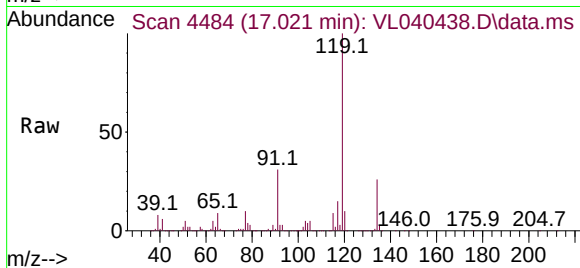
MSVOA_L

ClientSampleId :

ICVVL051623

Tgt Ion:119 Resp: 4059284

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	31.4	25.4	38.0



#70

n-Butylbenzene

Concen: 9.230 ppbv

RT: 17.911 min Scan# 4761

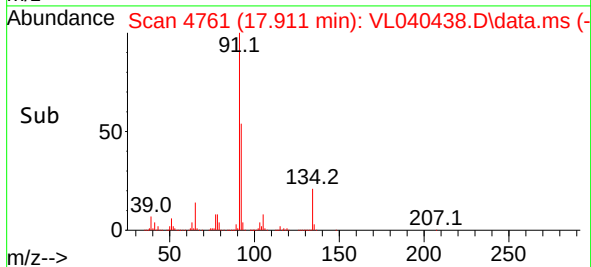
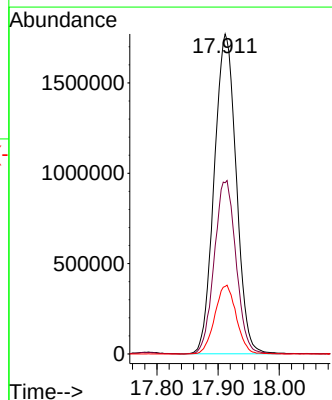
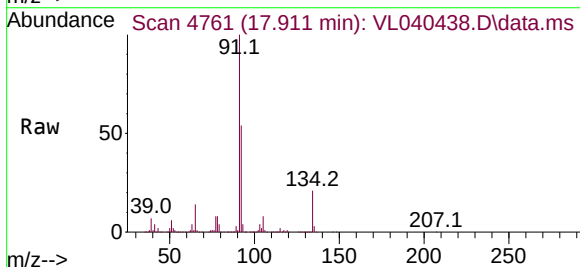
Delta R.T. 0.016 min

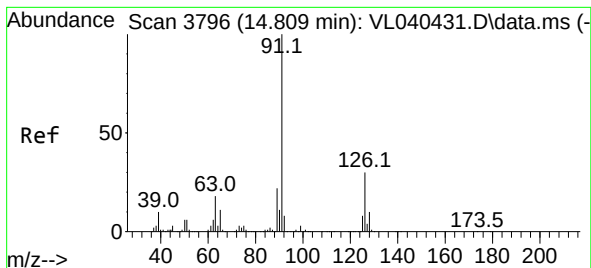
Lab File: VL040438.D

Acq: 16 May 2023 14:12

Tgt Ion: 91 Resp: 4426213

Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.2	64.8
134	21.1	16.9	25.3





#71

2-Chlorotoluene

Concen: 9.548 ppbv

RT: 14.825 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

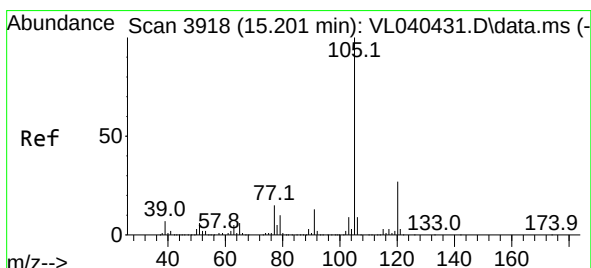
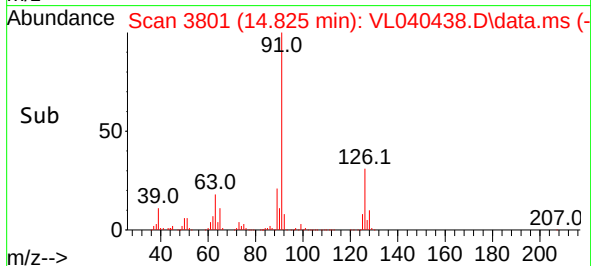
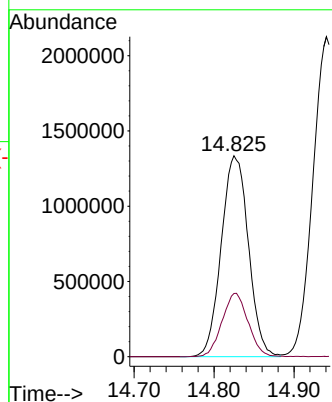
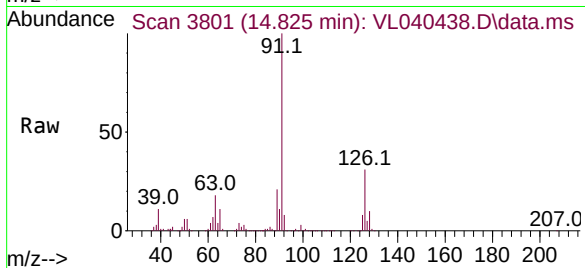
ICVVL051623

Tgt Ion: 91 Resp: 3150333

Ion Ratio Lower Upper

91 100

126 30.3 12.0 48.0



#72

4-Ethyltoluene

Concen: 9.711 ppbv

RT: 15.220 min Scan# 3924

Delta R.T. 0.019 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Tgt Ion: 105 Resp: 3267185

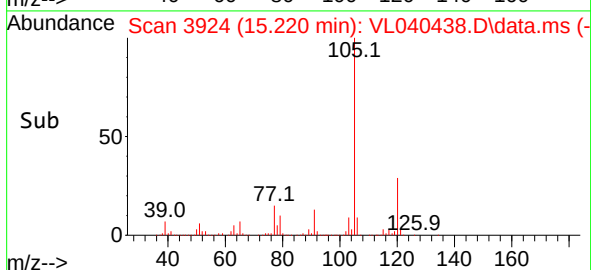
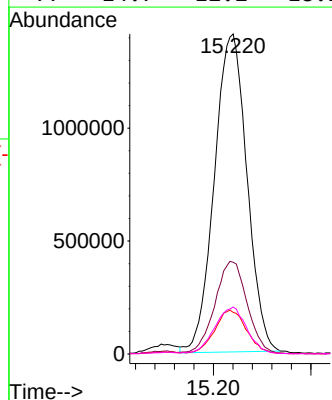
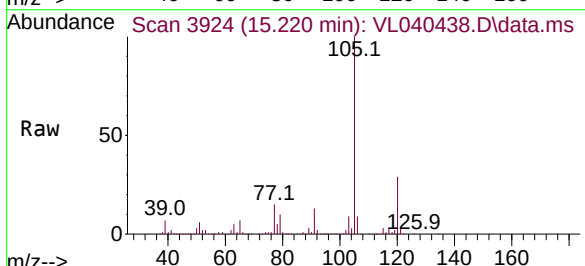
Ion Ratio Lower Upper

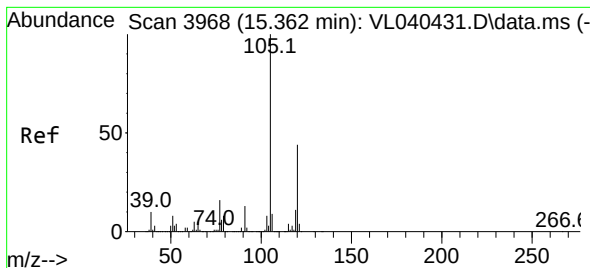
105 100

120 29.1 23.8 35.8

91 13.6 11.0 16.4

77 14.7 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 9.581 ppbv

RT: 15.375 min Scan# 3968

Delta R.T. 0.013 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

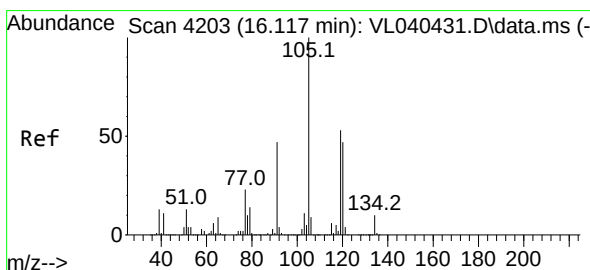
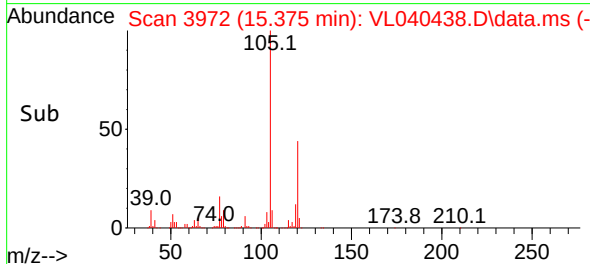
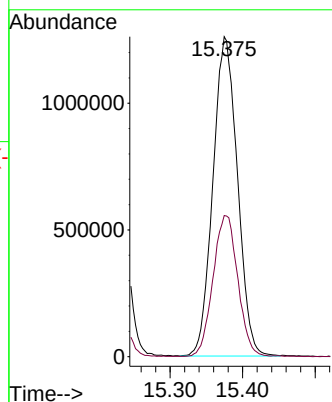
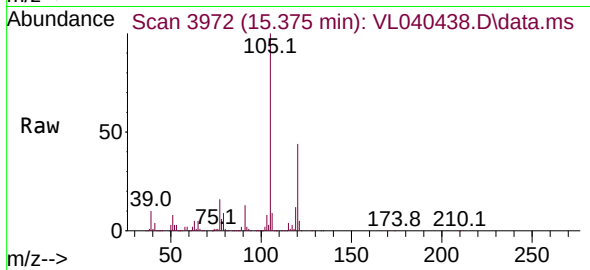
ICVVL051623

Tgt Ion:105 Resp: 2959176

Ion Ratio Lower Upper

105 100

120 44.1 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 9.062 ppbv

RT: 16.133 min Scan# 4208

Delta R.T. 0.016 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Tgt Ion:105 Resp: 3220335

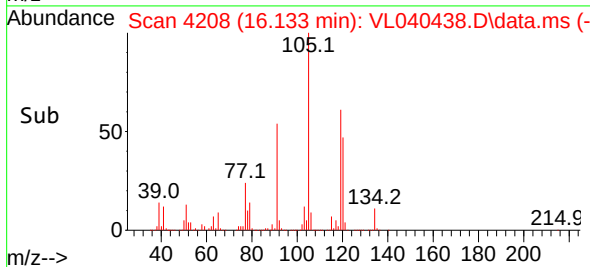
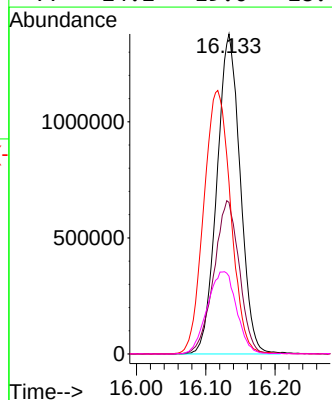
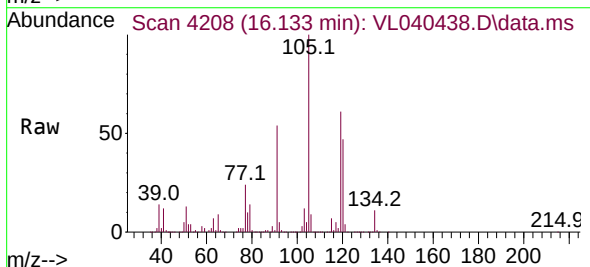
Ion Ratio Lower Upper

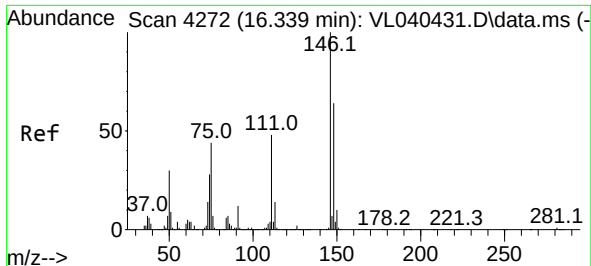
105 100

120 47.1 38.1 57.1

91 53.4 40.2 60.2

77 24.2 19.0 28.4

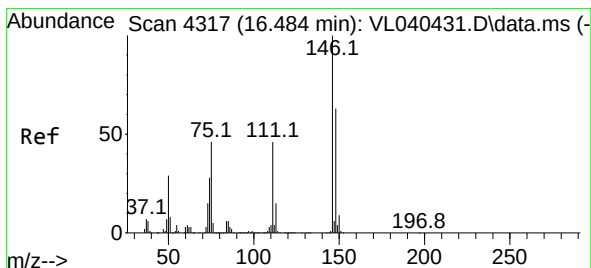
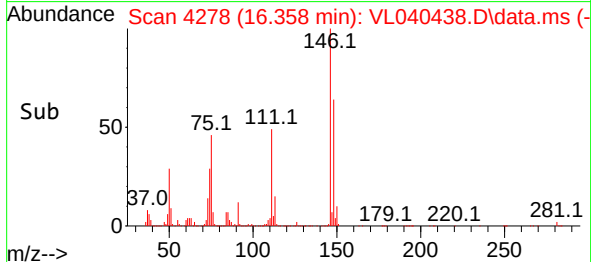
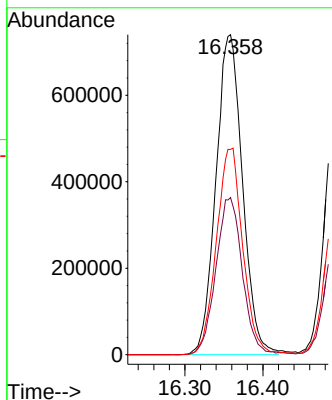
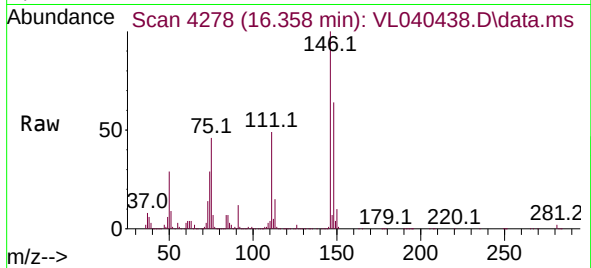




#75
1,3-Dichlorobenzene
Concen: 8.975 ppbv
RT: 16.358 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

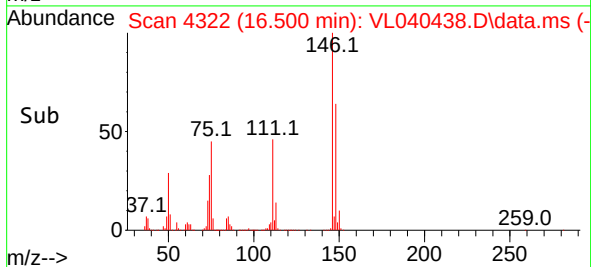
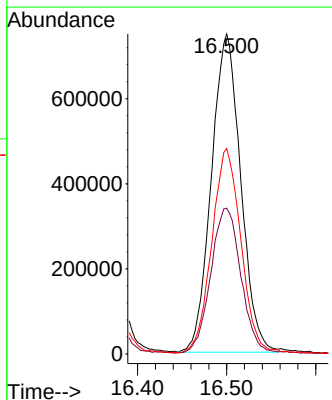
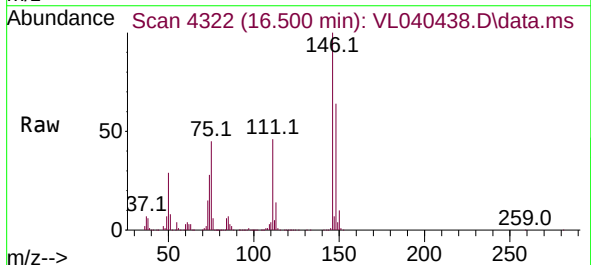
Instrument :
MSVOA_1
ClientSampleId :
ICVVL051623

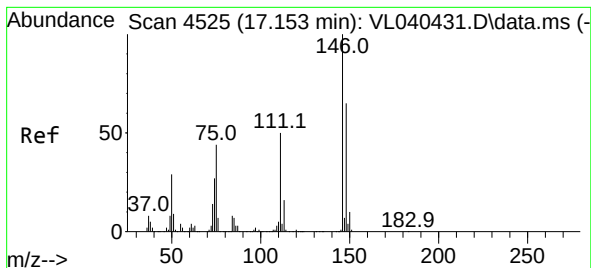
Tgt Ion:146 Resp: 1754738
Ion Ratio Lower Upper
146 100
111 49.2 24.6 74.0
148 64.3 32.1 96.3



#76
1,4-Dichlorobenzene
Concen: 9.048 ppbv
RT: 16.500 min Scan# 4322
Delta R.T. 0.016 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion:146 Resp: 1710911
Ion Ratio Lower Upper
146 100
111 47.6 24.0 72.0
148 64.7 32.5 97.4





#77

1,2-Dichlorobenzene

Concen: 8.941 ppbv

RT: 17.169 min Scan# 4530

Delta R.T. 0.016 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051623

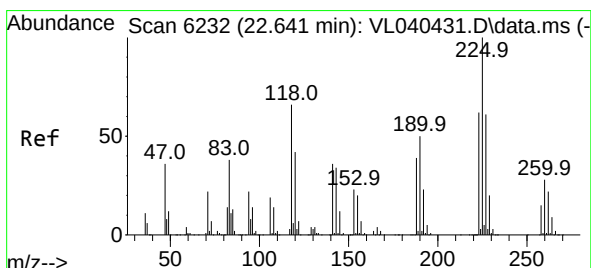
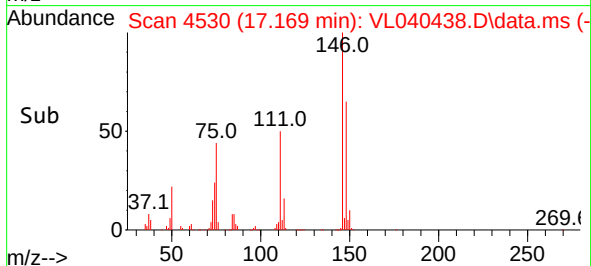
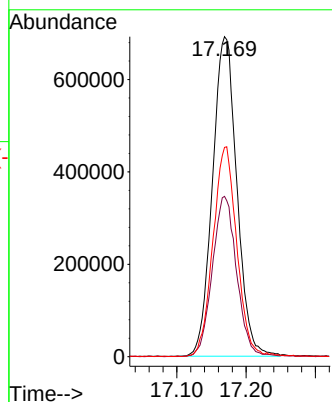
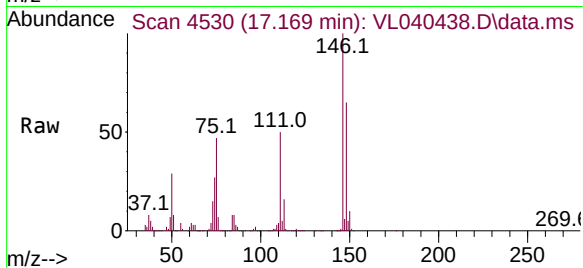
Tgt Ion:146 Resp: 1693729

Ion Ratio Lower Upper

146 100

111 50.2 25.2 75.6

148 64.2 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 8.525 ppbv

RT: 22.664 min Scan# 6239

Delta R.T. 0.022 min

Lab File: VL040438.D

Acq: 16 May 2023 14:12

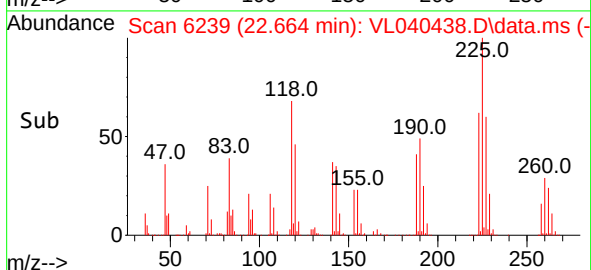
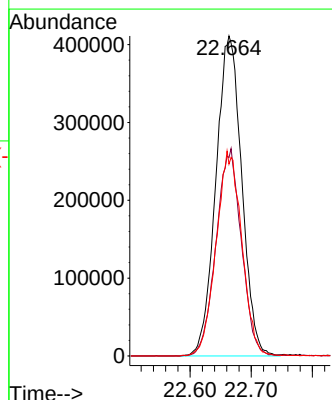
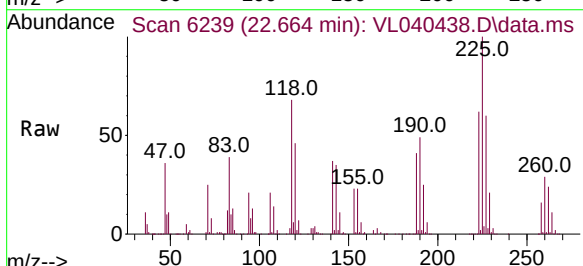
Tgt Ion:225 Resp: 1208205

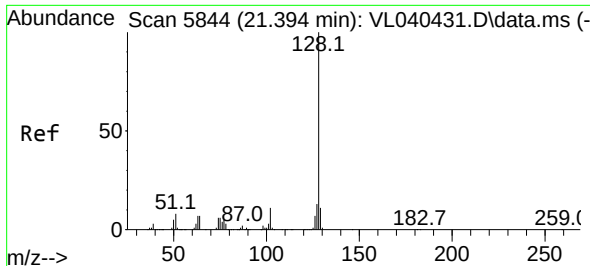
Ion Ratio Lower Upper

225 100

223 63.4 51.2 76.8

227 63.5 51.0 76.6

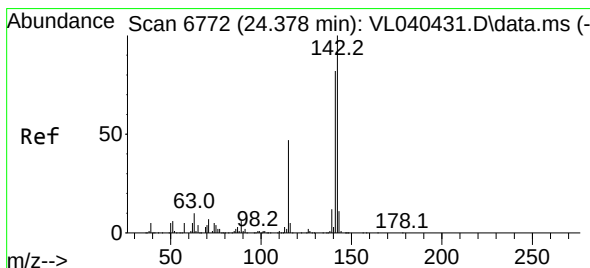
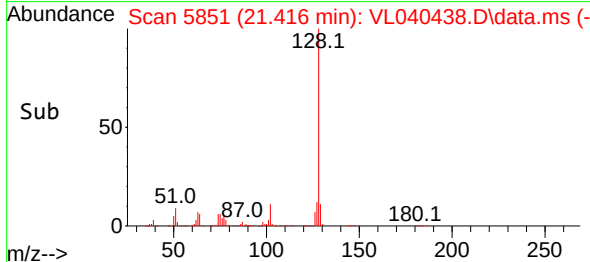
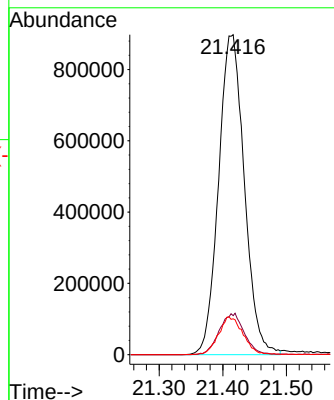
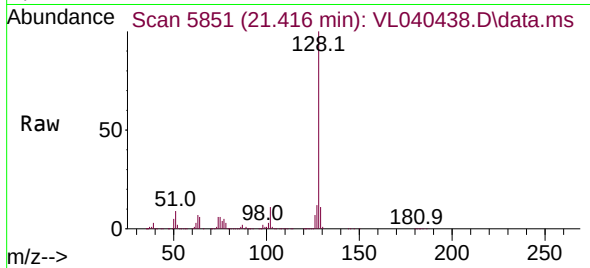




#79
Naphthalene
Concen: 11.744 ppbv
RT: 21.416 min Scan# 5851
Delta R.T. 0.022 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

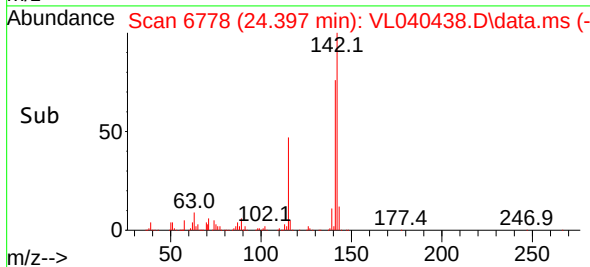
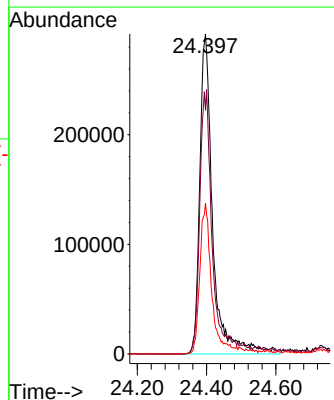
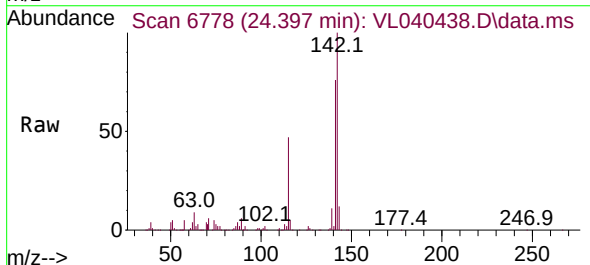
Instrument :
MSVOA_1
ClientSampleId :
ICVVL051623

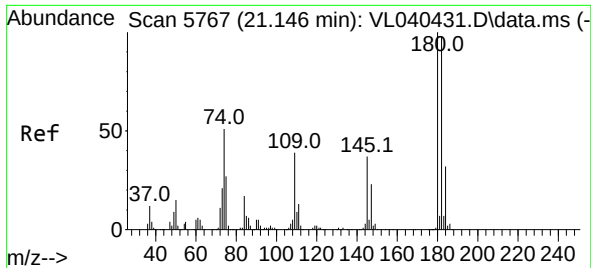
Tgt Ion:128 Resp: 2523242
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 11.2 9.0 13.6



#80
Naphthalene,2-methyl-
Concen: 12.455 ppbv
RT: 24.397 min Scan# 6778
Delta R.T. 0.019 min
Lab File: VL040438.D
Acq: 16 May 2023 14:12

Tgt Ion:142 Resp: 766158
Ion Ratio Lower Upper
142 100
141 79.4 66.2 99.2
115 44.3 36.8 55.2





#81
 1,2,4-Trichlorobenzene
 Concen: 10.018 ppbv
 RT: 21.169 min Scan# 51
 Delta R.T. 0.022 min
 Lab File: VL040438.D
 Acq: 16 May 2023 14:12

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051623

Tgt Ion:180 Resp: 1332449
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.0 115.6
 184 30.9 24.7 37.1

