

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\Reviewed data\
 Data File : VL040011.D
 Acq On : 13 Dec 2022 18:14
 Operator : SY/MD
 Sample : VL1213ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1213ABS01

Quant Time: Dec 21 15:05:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	938884	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.635	114	2537257	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2704501	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1879593	9.099	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	1026030	7.630	ppbv	97
3) Chlorodifluoromethane	2.658	51	1223848	9.446	ppbv	97
4) Chloromethane	2.796	50	796912	9.626	ppbv	99
5) Vinyl Chloride	2.902	62	681885	10.540	ppbv	97
6) Bromomethane	3.102	94	246020	11.149	ppbv	99
7) Chloroethane	3.179	64	258414	10.105	ppbv	94
8) Dichlorotetrafluoroethane	2.841	85	1537656	10.015	ppbv	99
9) Propene	2.677	41	536112	8.785	ppbv	98
10) Heptane	7.565	43	1373367	9.326	ppbv	98
11) Trichlorofluoromethane	3.546	101	1710986	10.432	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	1281728	10.325	ppbv	96
13) Ethanol	3.227	45	35381	7.593	ppbv	93
14) Bromoethene	3.349	108	530015	10.949	ppbv	98
15) Acetone	3.449	43	1165230	9.357	ppbv	99
16) 1,3-Butadiene	2.967	39	615144	9.911	ppbv	98
17) tert-Butyl alcohol	3.861	59	1299488	9.076	ppbv	99
18) 1,1-Dichloroethene	3.861	96	565126	9.980	ppbv	99
19) Isopropyl Alcohol	3.558	45	662326	9.823	ppbv #	33
20) Methylene Chloride	3.915	84	498744	8.266	ppbv	92
21) Allyl Chloride	3.980	41	833199	9.645	ppbv	98
22) trans-1,2-Dichloroethene	4.426	96	604187	10.492	ppbv	99
23) Vinyl Acetate	4.610	43	475499	9.294	ppbv #	98
24) 1,1-Dichloroethane	4.545	63	1217227	9.867	ppbv	99
25) Ethyl Acetate	5.185	43	2497199	10.922	ppbv	99
26) Hexane	5.195	57	1087162	10.884	ppbv	98
27) Carbon Disulfide	4.105	76	1336974	10.602	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	1149750	9.194	ppbv	99
29) Chloroform	5.256	83	1773374	13.360	ppbv	99
30) Cyclohexane	6.587	84	926589	9.453	ppbv	95
31) cis-1,2-Dichloroethene	5.060	61	1040937	11.280	ppbv	95
32) 1,1,1-Trichloroethane	5.986	97	1768067	10.666	ppbv	99
34) 2-Butanone	4.767	43	1354465	11.157	ppbv	97
35) Carbon Tetrachloride	6.475	117	1811817	12.574	ppbv	98
36) Benzene	6.352	78	2355100	10.920	ppbv	98
37) 1,2-Dichloroethane	5.787	62	1355994	11.473	ppbv	100
38) Trichloroethene	7.275	130	1357694	11.262	ppbv	99
39) 1,2-Dichloropropane	7.057	63	886963	10.556	ppbv	98
40) 1,4-Dioxane	7.269	88	387872	11.587	ppbv #	1
41) Tetrahydrofuran	5.539	42	891798	10.640	ppbv	98
42) Bromodichloromethane	7.233	83	1948420	12.156	ppbv	100
43) Methyl Methacrylate	7.459	69	931303	11.014	ppbv	98
44) 2,2,4-Trimethylpentane	7.311	57	3748692	10.412	ppbv	99
45) t-1,3-Dichloropropene	8.696	75	904938	11.584	ppbv	96

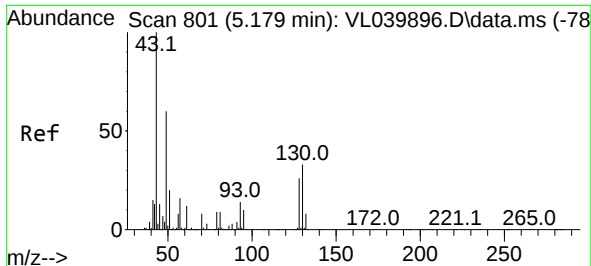
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\Reviewed data\
 Data File : VL040011.D
 Acq On : 13 Dec 2022 18:14
 Operator : SY/MD
 Sample : VL1213ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1213ABS01

Quant Time: Dec 21 15:05:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	1184691	10.947	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	965689	11.183	ppbv	96
48) Dibromochloromethane	9.696	129	1630340	12.890	ppbv	100
49) Bromoform	12.394	173	1295969	12.658	ppbv	100
50) 4-Methyl-2-Pentanone	8.166	43	2355808	10.834	ppbv	98
51) 2-Hexanone	9.536	43	1868029	11.067	ppbv #	98
52) Tetrachloroethene	10.603	164	814914	10.101	ppbv	95
53) Toluene	9.208	91	2716637	11.058	ppbv	98
54) 1,2-Dibromoethane	9.995	107	1133147	12.296	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.494	131	1164809	10.536	ppbv	97
57) Chlorobenzene	11.513	112	2105048	10.180	ppbv	97
58) Ethyl Benzene	12.076	91	3649168	9.946	ppbv	97
59) m/p-Xylene	12.359	91	2900010	9.444	ppbv #	28
60) o-Xylene	13.047	91	2929068	10.002	ppbv	99
61) Styrene	12.883	104	1774341	10.150	ppbv	100
62) Isopropylbenzene	14.018	105	4188010	9.917	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.037	83	1017546	10.406	ppbv	100
64) n-propylbenzene	14.905	120	1099094	9.949	ppbv	90
65) tert-Butylbenzene	16.079	119	3653329	9.889	ppbv	99
66) Benzyl Chloride	16.320	91	120900	3.819	ppbv #	68
67) sec-Butylbenzene	16.622	105	5084972	10.010	ppbv	98
69) p-Isopropyltoluene	16.982	119	4158367	9.938	ppbv	99
70) n-Butylbenzene	17.873	91	4283809	10.326	ppbv	98
71) 2-Chlorotoluene	14.789	91	3222310	10.067	ppbv	98
72) 4-Ethyltoluene	15.182	105	3417339	10.381	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	3011550	9.994	ppbv	99
74) 1,2,4-Trimethylbenzene	16.098	105	3207322	10.053	ppbv	97
75) 1,3-Dichlorobenzene	16.317	146	1835437	10.225	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	1758125	9.880	ppbv	97
77) 1,2-Dichlorobenzene	17.130	146	1729405	9.994	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	450929	3.755	ppbv #	5
79) Naphthalene	21.371	128	2012500	10.540	ppbv	97
80) Naphthalene,2-methyl-	24.365	142	489961	9.124	ppbv	95
81) 1,2,4-Trichlorobenzene	21.127	180	1103978	9.363	ppbv	100

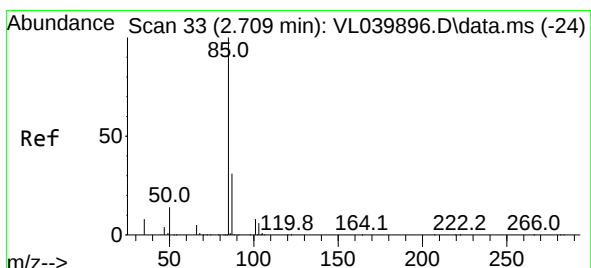
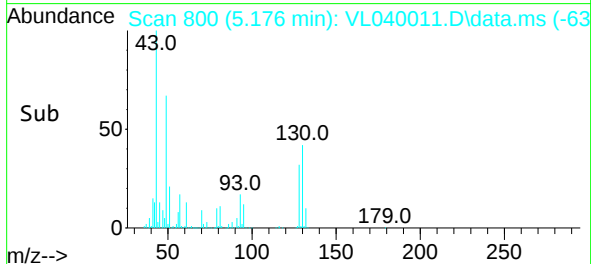
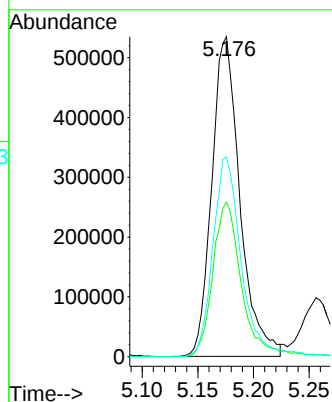
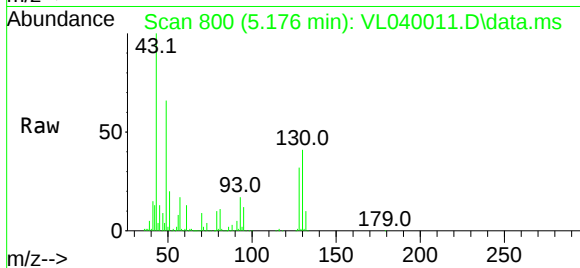
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

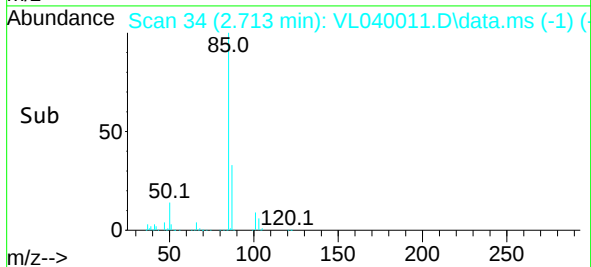
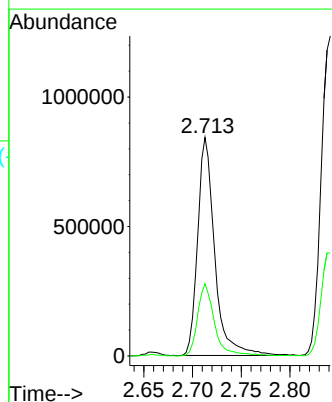
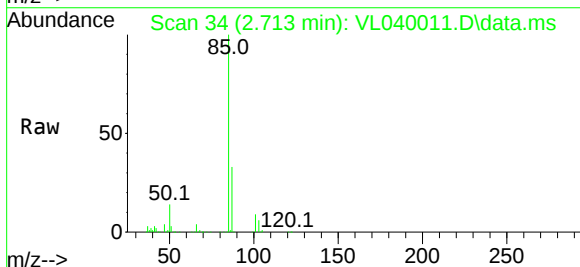
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MSVOA_L
ClientSampleId :
VL1213ABS01

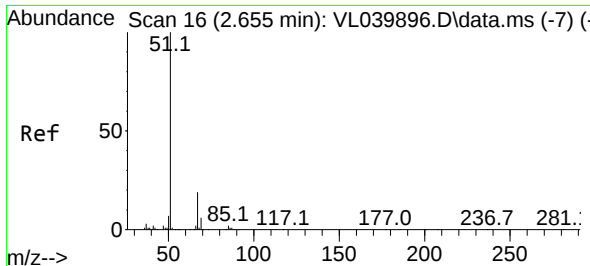
Tgt Ion: 49 Resp: 938884
Ion Ratio Lower Upper
49 100
128 49.8 22.1 66.3
130 64.0 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 7.630 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.016 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 85 Resp: 1026030
Ion Ratio Lower Upper
85 100
87 33.0 25.0 37.4

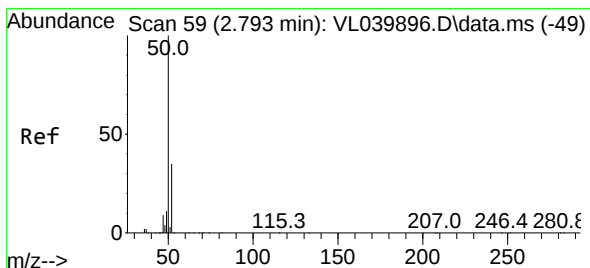
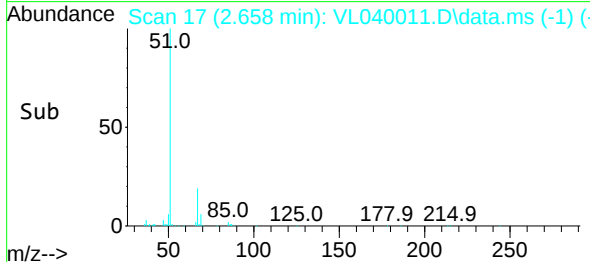
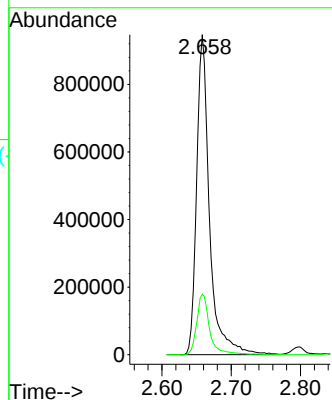
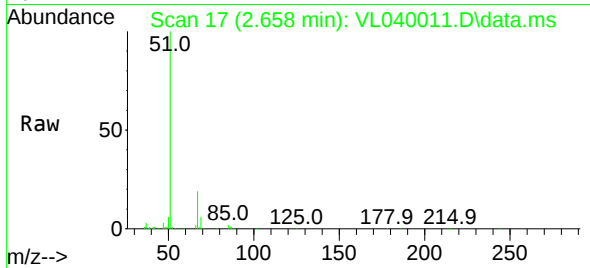




#3
Chlorodifluoromethane
Concen: 9.446 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

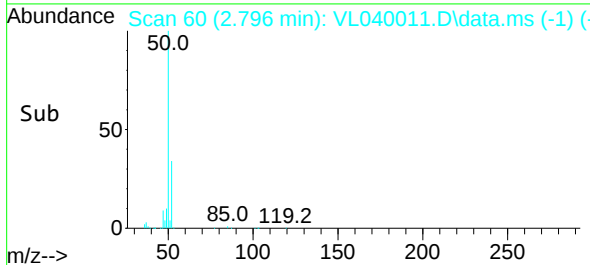
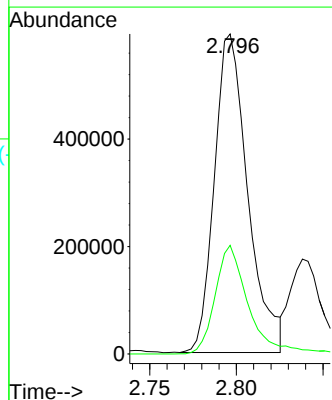
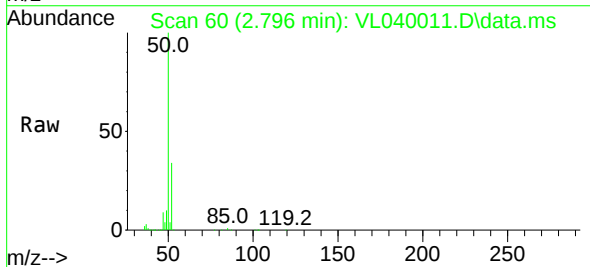
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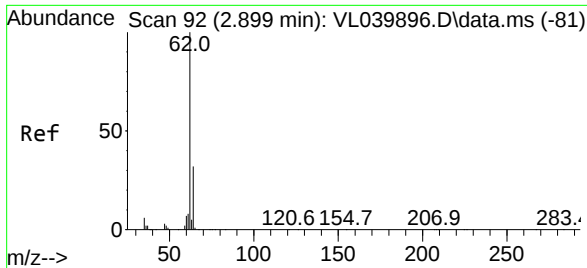
Tgt Ion: 51 Resp: 1223848
Ion Ratio Lower Upper
51 100
67 19.2 14.2 21.4



#4
Chloromethane
Concen: 9.626 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.016 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 50 Resp: 796912
Ion Ratio Lower Upper
50 100
52 34.1 27.8 41.8

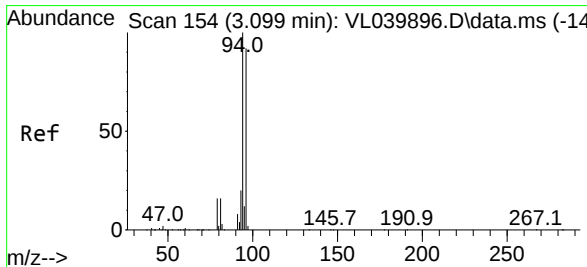
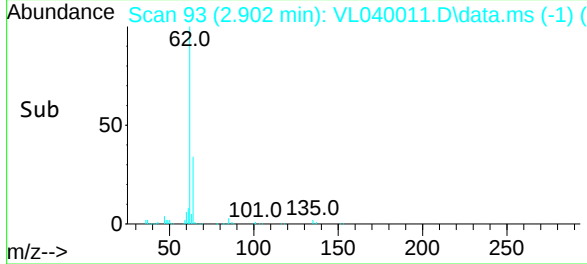
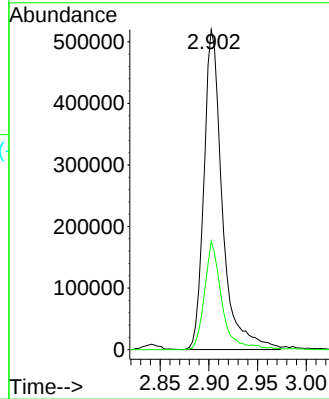
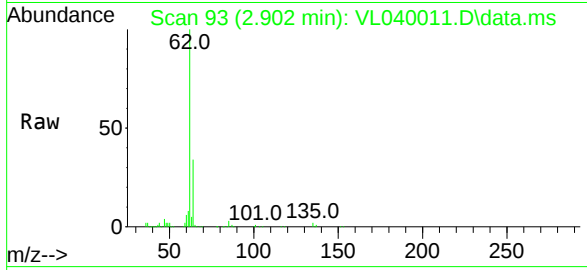




#5
 Vinyl Chloride
 Concen: 10.540 ppbv
 RT: 2.902 min Scan# 91
 Delta R.T. 0.016 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

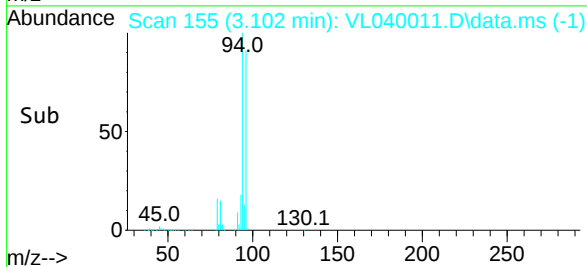
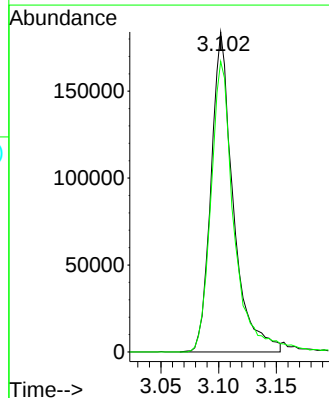
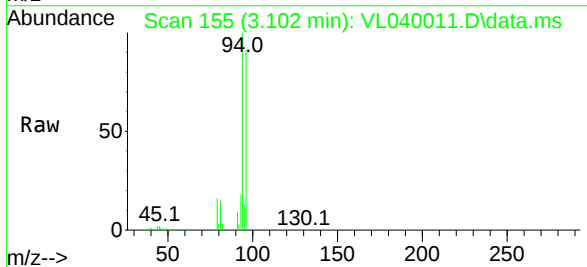
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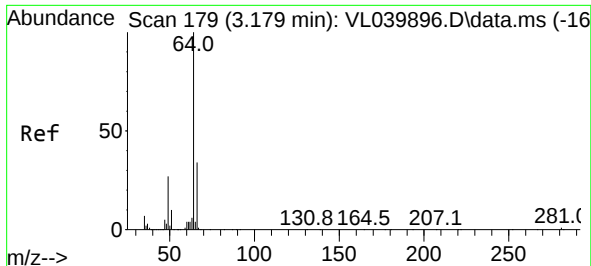
Tgt Ion: 62 Resp: 681885
 Ion Ratio Lower Upper
 62 100
 64 33.9 25.7 38.5



#6
 Bromomethane
 Concen: 11.149 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.016 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

Tgt Ion: 94 Resp: 246020
 Ion Ratio Lower Upper
 94 100
 96 90.8 73.7 110.5

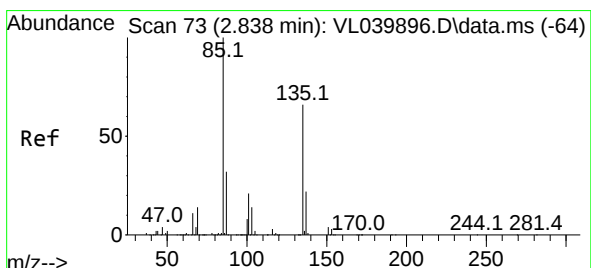
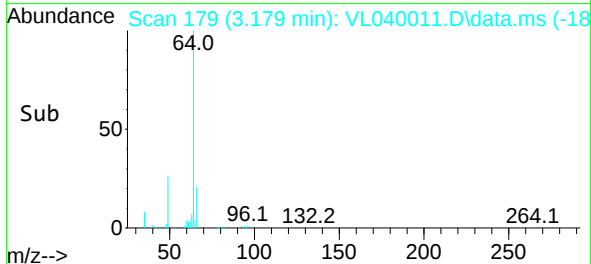
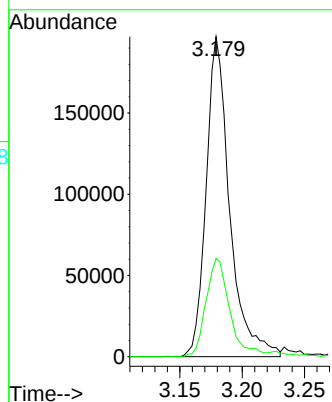
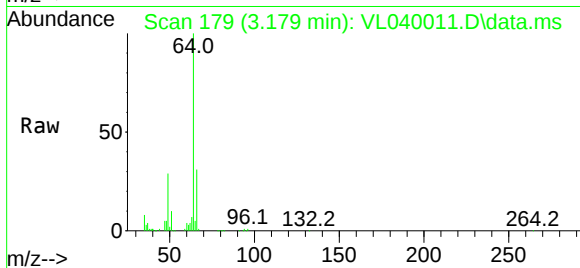




#7
Chloroethane
Concen: 10.105 ppbv
RT: 3.179 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

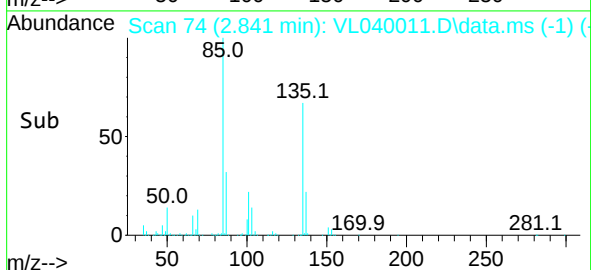
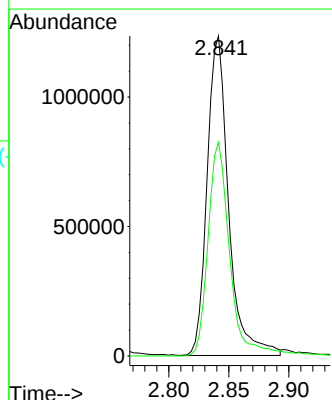
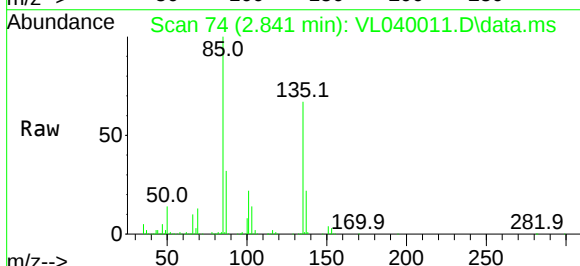
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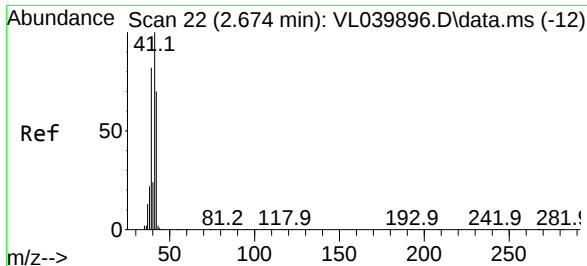
Tgt Ion: 64 Resp: 258414
Ion Ratio Lower Upper
64 100
66 30.7 27.3 40.9



#8
Dichlorotetrafluoroethane
Concen: 10.015 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.016 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 85 Resp: 1537656
Ion Ratio Lower Upper
85 100
135 68.7 54.1 81.1

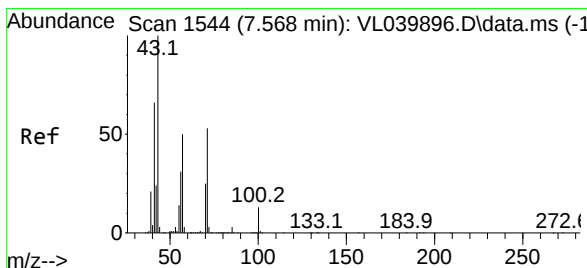
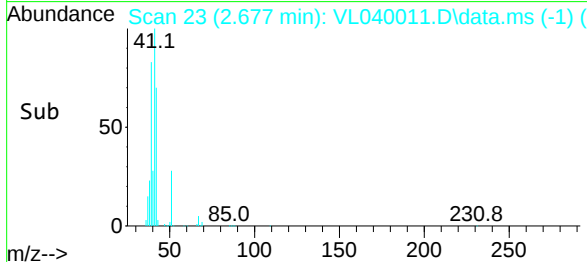
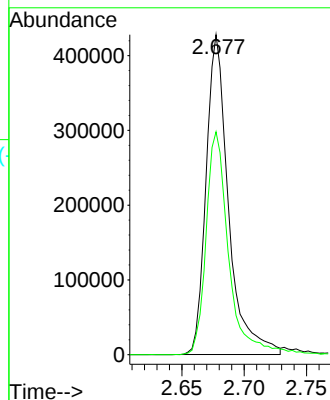
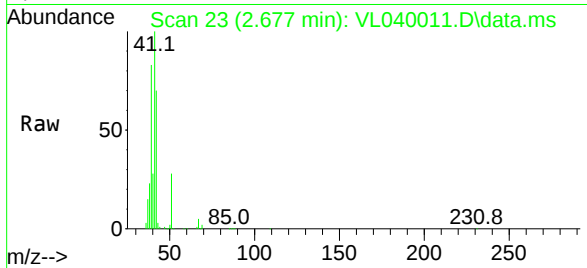




#9
 Propene
 Concen: 8.785 ppbv
 RT: 2.677 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

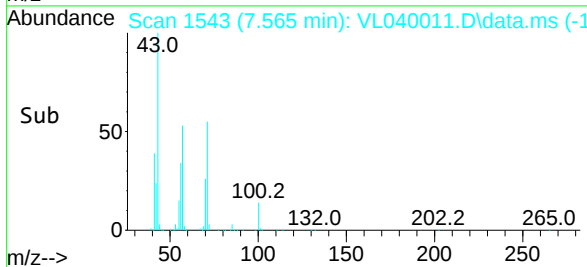
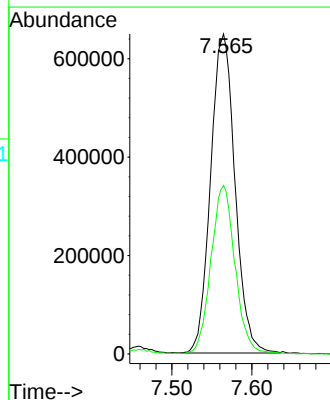
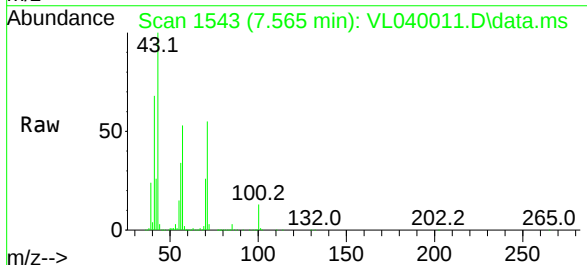
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 VL1213ABS01

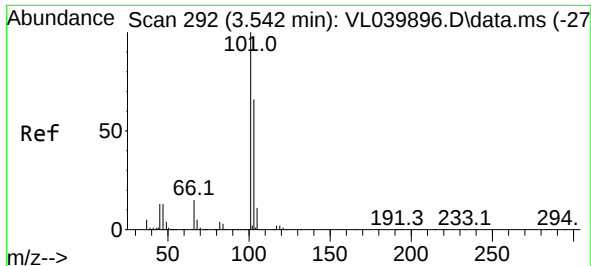
Tgt Ion: 41 Resp: 536112
 Ion Ratio Lower Upper
 41 100
 42 71.0 55.8 83.6



#10
 Heptane
 Concen: 9.326 ppbv
 RT: 7.565 min Scan# 1543
 Delta R.T. 0.019 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

Tgt Ion: 43 Resp: 1373367
 Ion Ratio Lower Upper
 43 100
 57 52.4 40.7 61.1

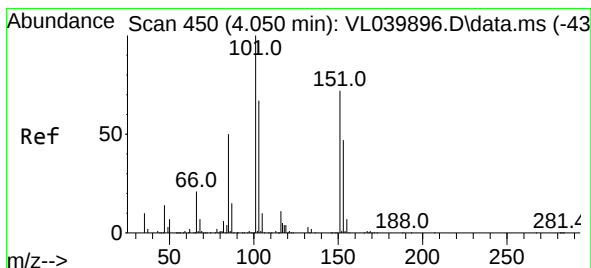
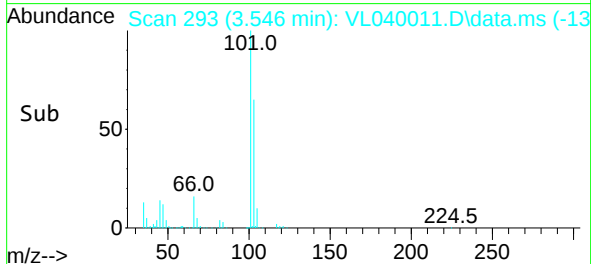
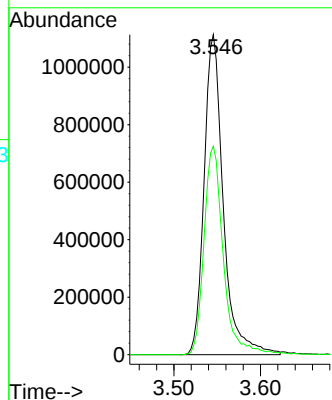
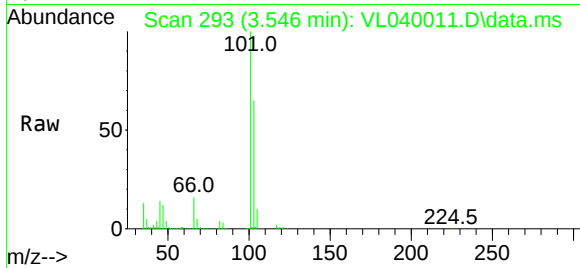




#11
 Trichlorofluoromethane
 Concen: 10.432 ppbv
 RT: 3.546 min Scan# 292
 Delta R.T. 0.016 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

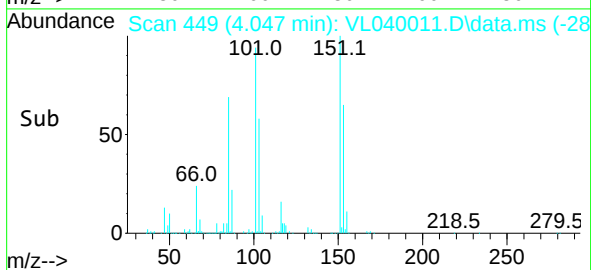
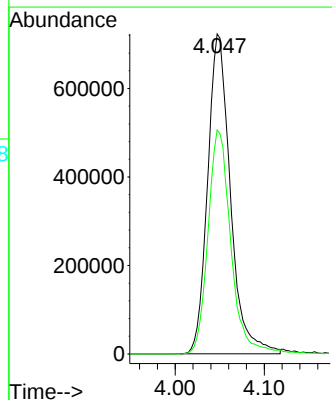
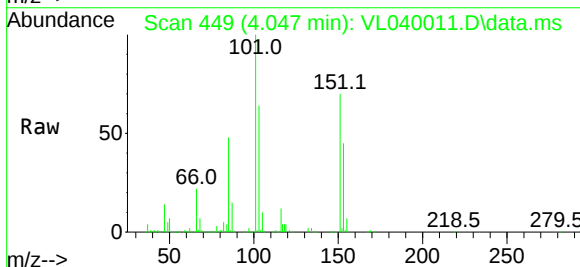
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1213ABS01

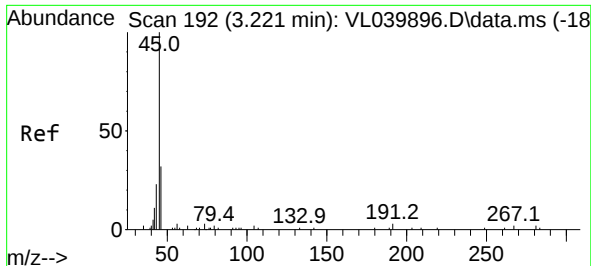
Tgt Ion:101 Resp: 1710986
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.325 ppbv
 RT: 4.047 min Scan# 449
 Delta R.T. 0.016 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

Tgt Ion:101 Resp: 1281728
 Ion Ratio Lower Upper
 101 100
 151 70.8 59.6 89.4

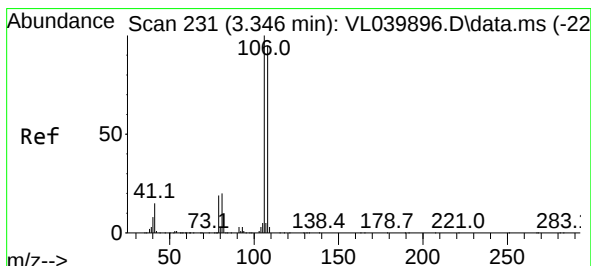
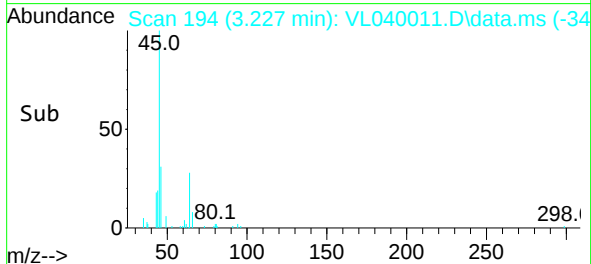
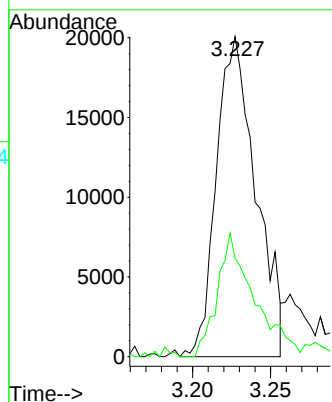
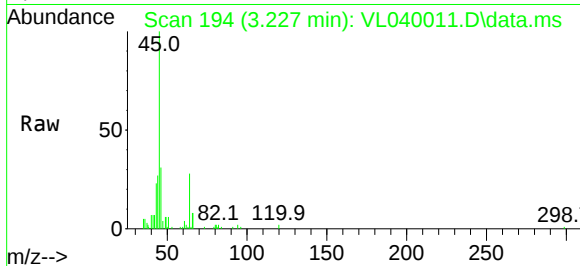




#13
Ethanol
Concen: 7.593 ppbv
RT: 3.227 min Scan# 192
Delta R.T. 0.013 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

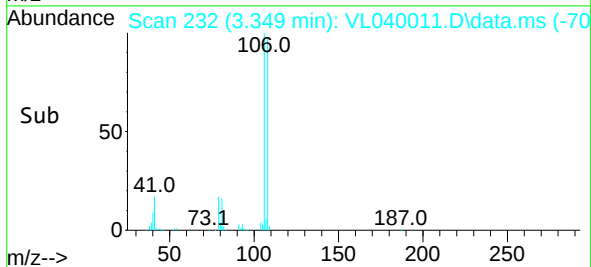
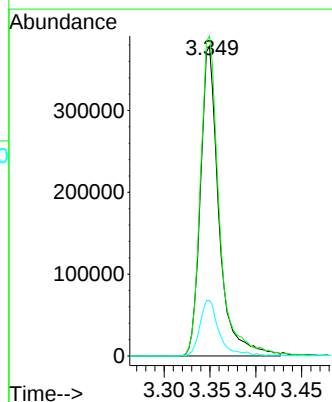
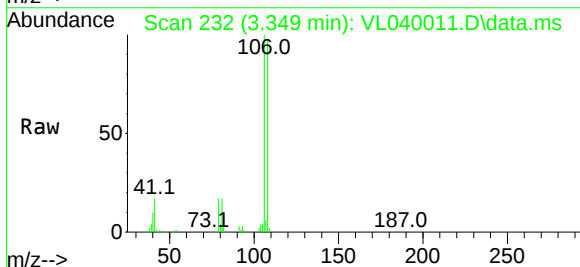
Instrument :
MSVOA_1
ClientSampleId :
VL1213ABS01

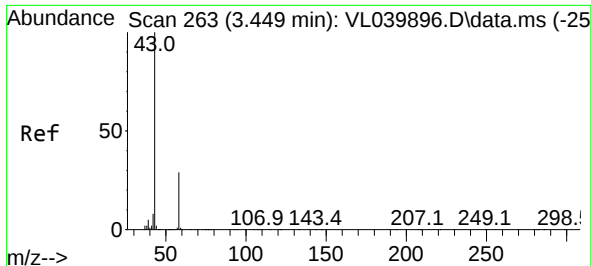
Tgt Ion: 45 Resp: 35381
Ion Ratio Lower Upper
45 100
46 40.7 14.6 58.2



#14
Bromoethene
Concen: 10.949 ppbv
RT: 3.349 min Scan# 232
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 108 Resp: 530015
Ion Ratio Lower Upper
108 100
106 106.4 87.3 130.9
79 19.1 15.9 23.9

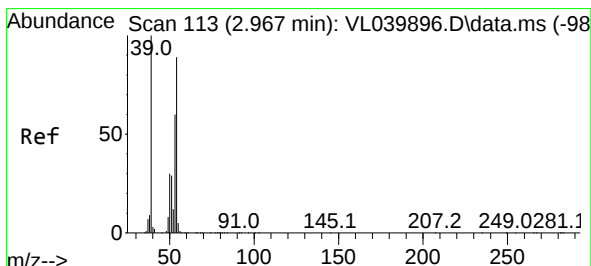
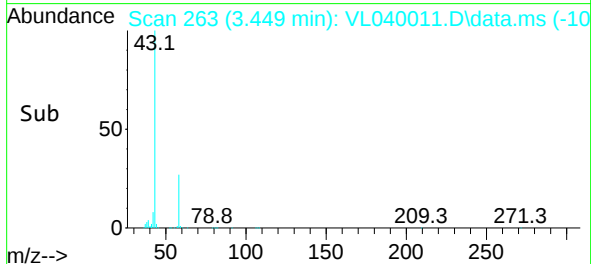
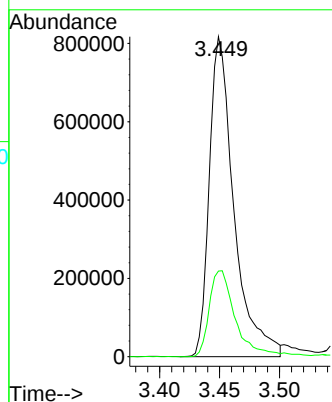
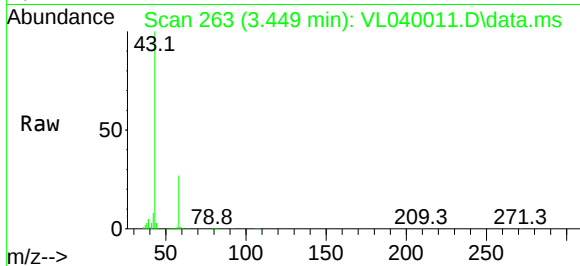




#15
Acetone
Concen: 9.357 ppbv
RT: 3.449 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

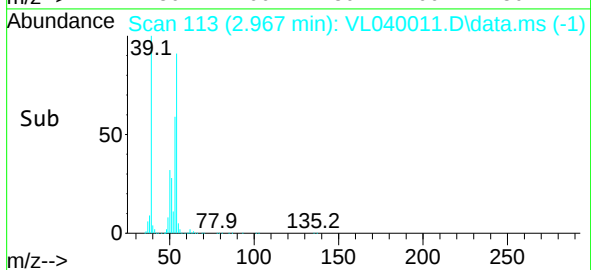
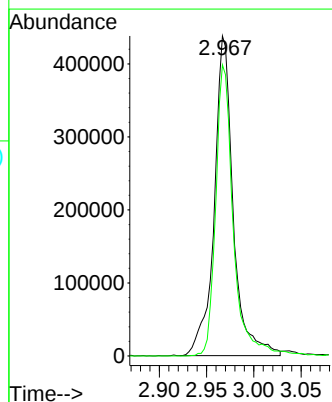
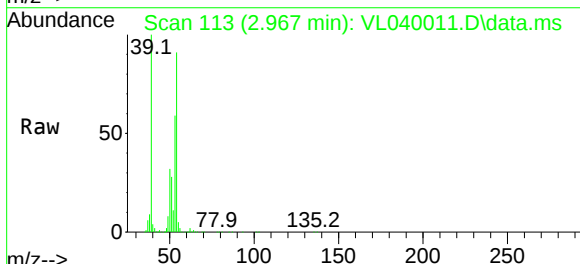
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

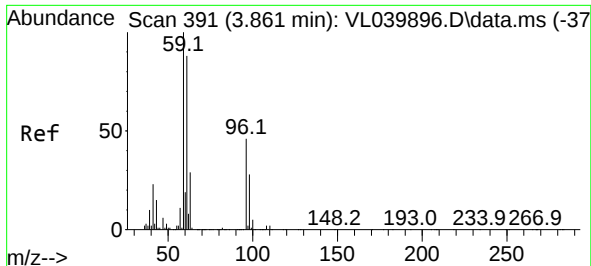
Tgt Ion: 43 Resp: 1165230
Ion Ratio Lower Upper
43 100
58 28.9 22.9 34.3



#16
1,3-Butadiene
Concen: 9.911 ppbv
RT: 2.967 min Scan# 113
Delta R.T. 0.016 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 39 Resp: 615144
Ion Ratio Lower Upper
39 100
54 85.1 66.6 99.8

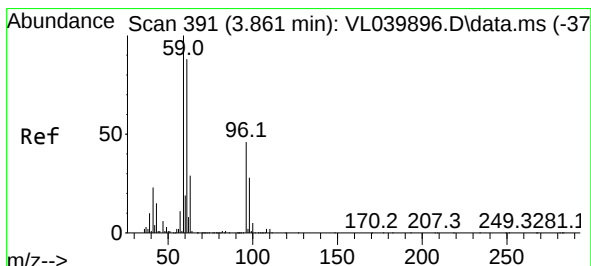
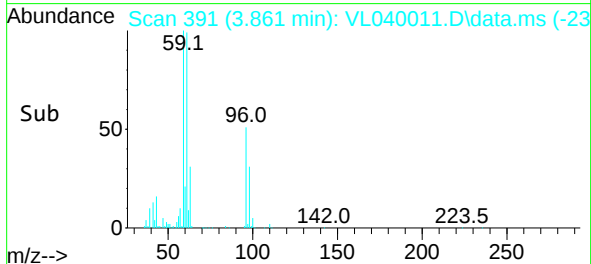
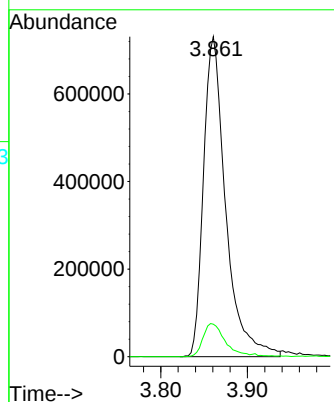
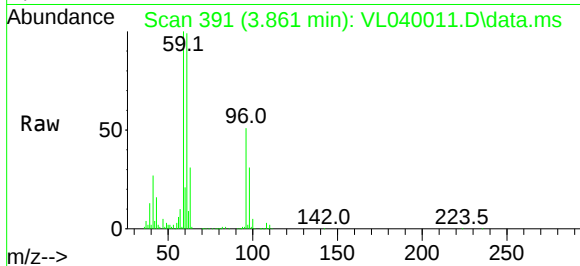




#17
tert-Butyl alcohol
Concen: 9.076 ppbv
RT: 3.861 min Scan# 391
Delta R.T. 0.016 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

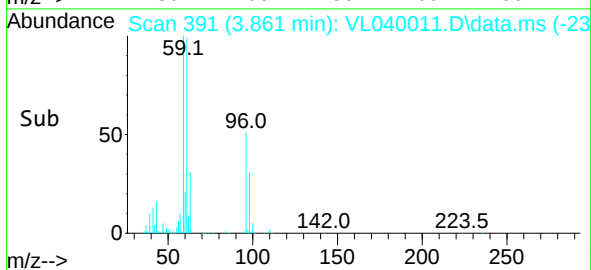
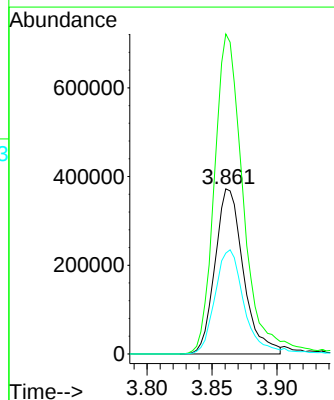
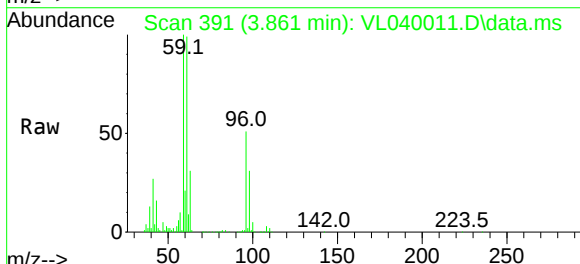
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

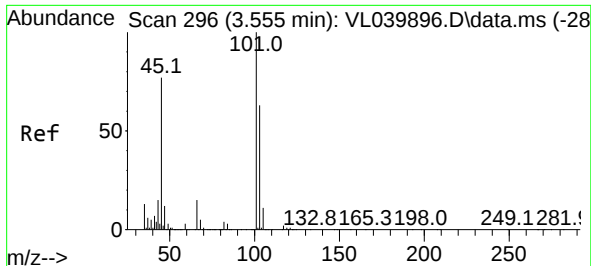
Tgt Ion: 59 Resp: 1299488
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5



#18
1,1-Dichloroethene
Concen: 9.980 ppbv
RT: 3.861 min Scan# 391
Delta R.T. 0.016 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 96 Resp: 565126
Ion Ratio Lower Upper
96 100
61 193.8 153.4 230.2
98 61.1 48.9 73.3

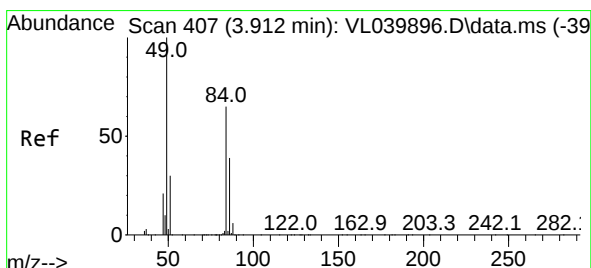
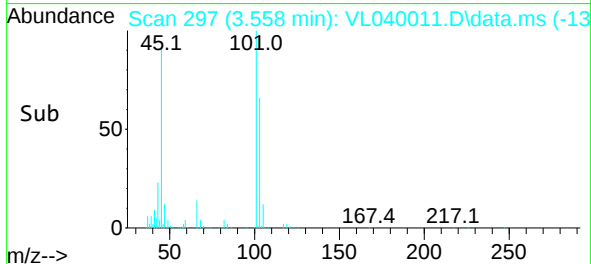
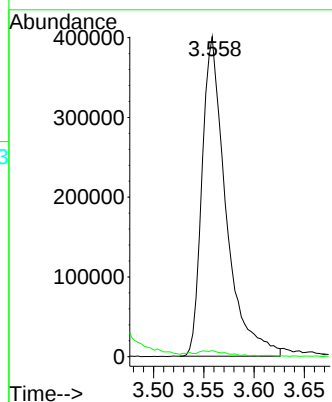
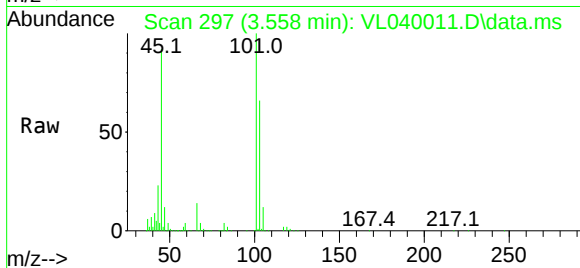




#19
Isopropyl Alcohol
Concen: 9.823 ppbv
RT: 3.558 min Scan# 296
Delta R.T. 0.016 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

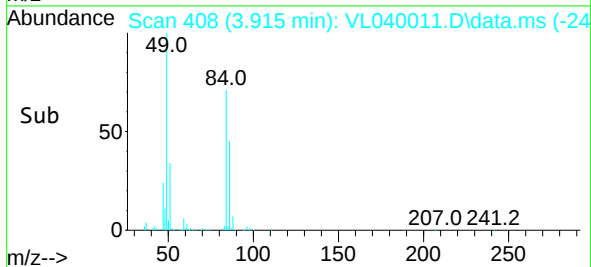
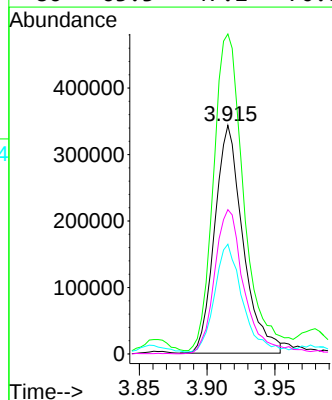
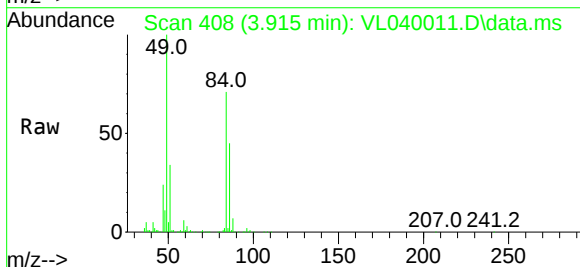
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

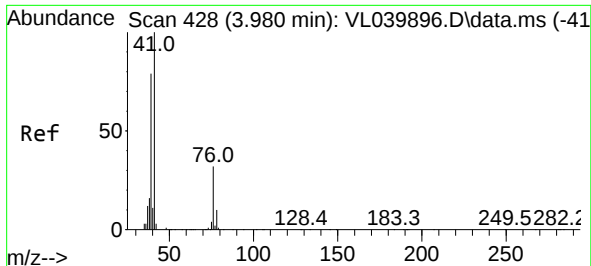
Tgt Ion: 45 Resp: 662326
Ion Ratio Lower Upper
45 100
58 2.7 38.7 58.1#



#20
Methylene Chloride
Concen: 8.266 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 84 Resp: 498744
Ion Ratio Lower Upper
84 100
49 138.7 122.2 183.4
51 46.9 36.3 54.5
86 63.3 47.2 70.8

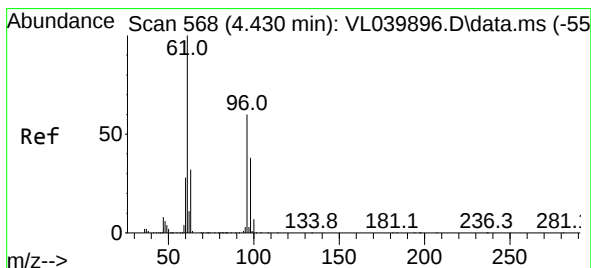
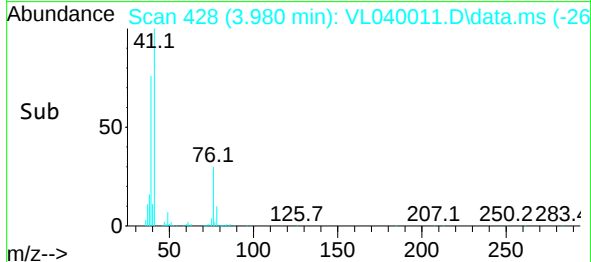
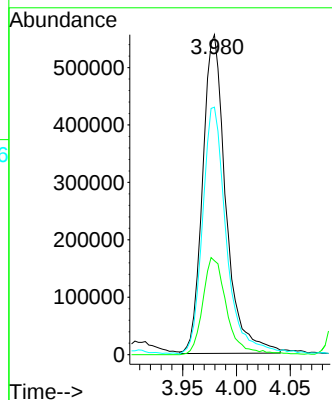
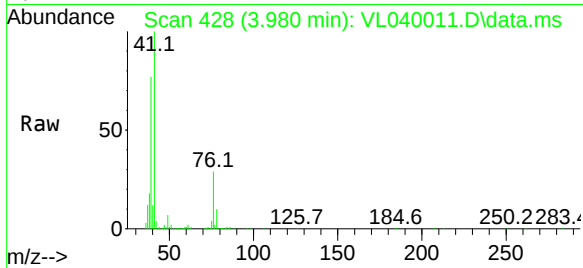




#21
 Allyl Chloride
 Concen: 9.645 ppbv
 RT: 3.980 min Scan# 41
 Delta R.T. 0.019 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

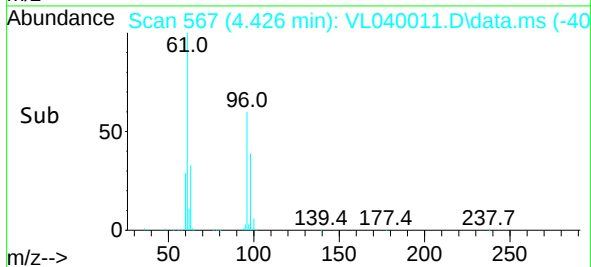
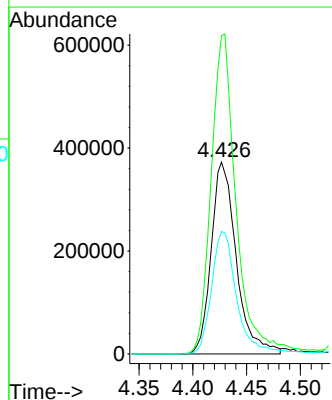
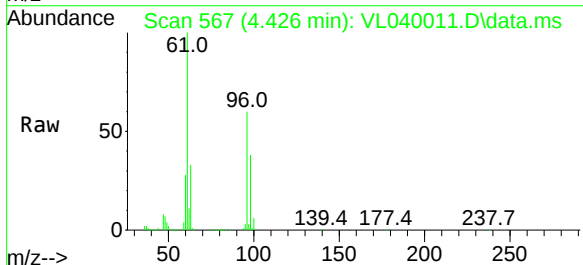
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1213ABS01

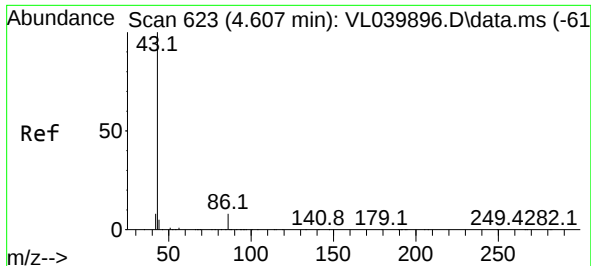
Tgt Ion: 41 Resp: 833199
 Ion Ratio Lower Upper
 41 100
 76 31.5 25.6 38.4
 39 79.4 65.2 97.8



#22
 trans-1,2-Dichloroethene
 Concen: 10.492 ppbv
 RT: 4.426 min Scan# 567
 Delta R.T. 0.016 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

Tgt Ion: 96 Resp: 604187
 Ion Ratio Lower Upper
 96 100
 61 165.9 134.1 201.1
 98 63.8 50.4 75.6

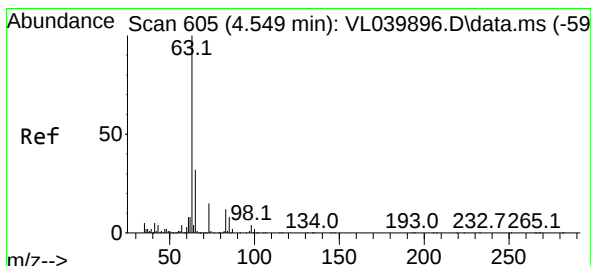
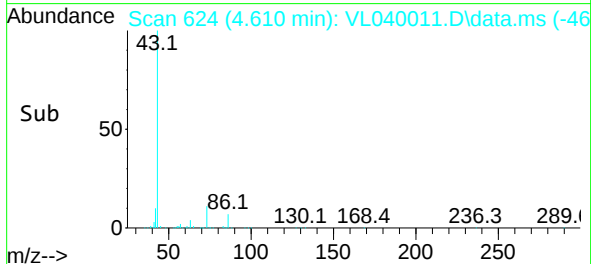
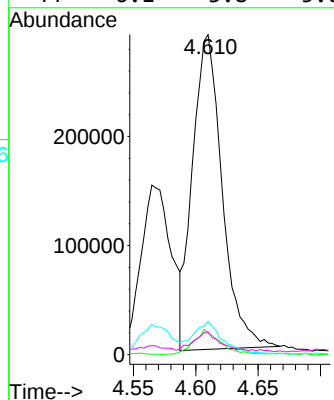
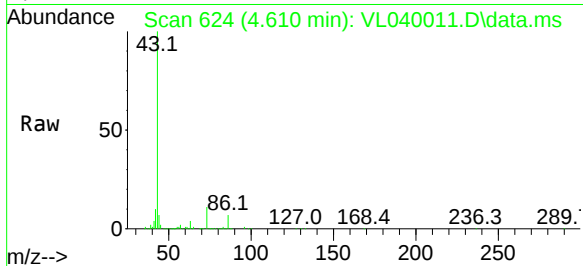




#23
 Vinyl Acetate
 Concen: 9.294 ppbv
 RT: 4.610 min Scan# 61
 Delta R.T. 0.016 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

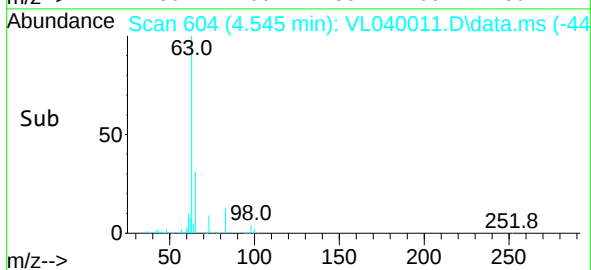
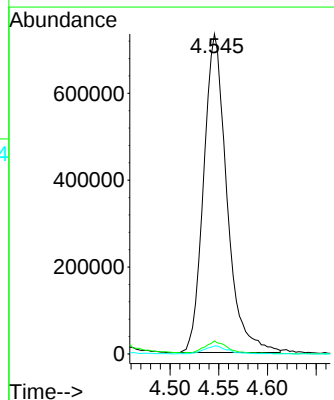
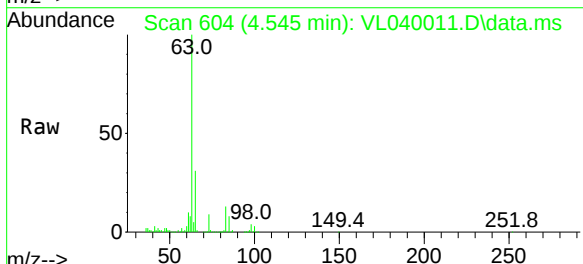
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1213ABS01

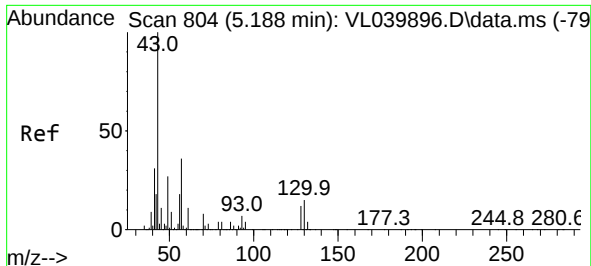
Tgt	Ion: 43	Resp:	475499
Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.0	7.4
42	10.3	7.6	11.4
44	6.1	3.8	5.6#



#24
 1,1-Dichloroethane
 Concen: 9.867 ppbv
 RT: 4.545 min Scan# 604
 Delta R.T. 0.016 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

Tgt Ion: 63		Resp: 1217227	
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.5
100	2.5	1.1	3.5





#25

Ethyl Acetate

Concen: 10.922 ppbv

RT: 5.185 min Scan# 804

Delta R.T. 0.016 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

VL1213ABS01

Tgt Ion: 43 Resp: 2497199

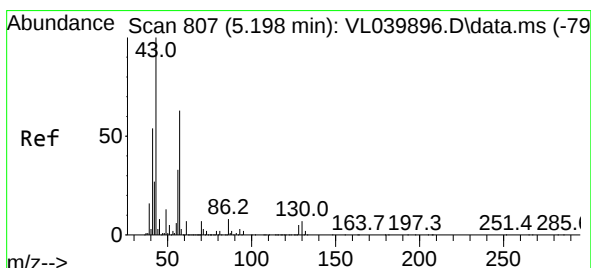
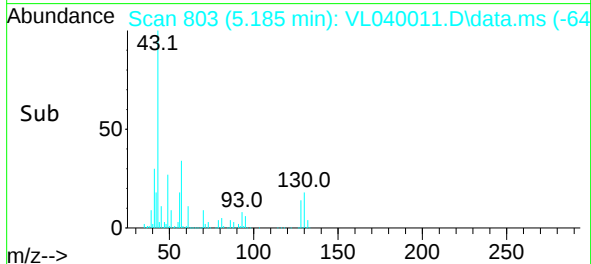
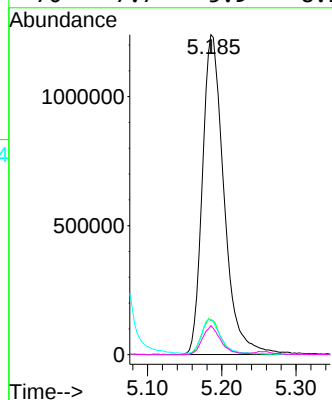
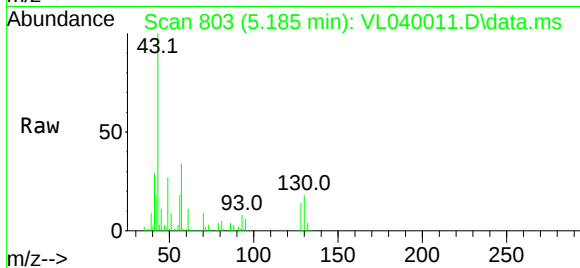
Ion Ratio Lower Upper

43 100

45 10.4 8.4 12.6

61 10.1 8.5 12.7

70 7.7 5.9 8.9



#26

Hexane

Concen: 10.884 ppbv

RT: 5.195 min Scan# 806

Delta R.T. 0.019 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Tgt Ion: 57 Resp: 1087162

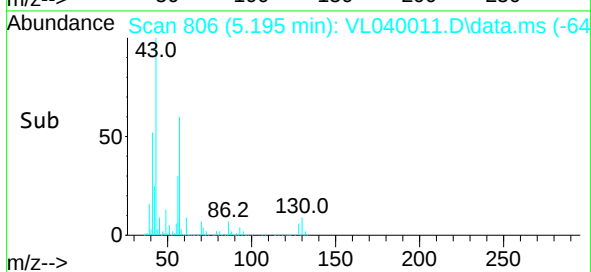
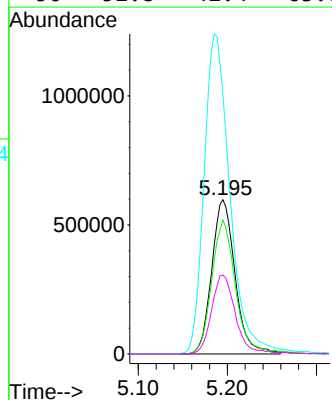
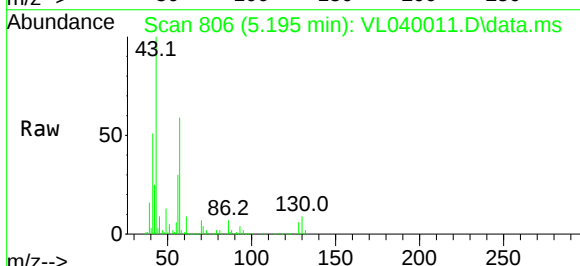
Ion Ratio Lower Upper

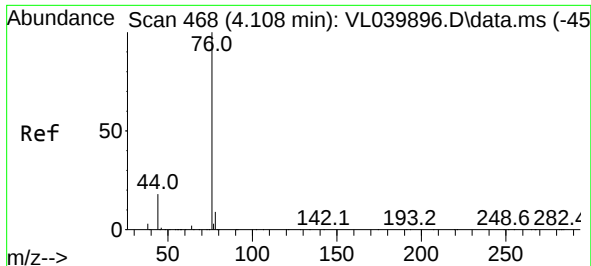
57 100

41 89.1 72.3 108.5

43 231.7 188.7 283.1

56 52.8 42.4 63.6

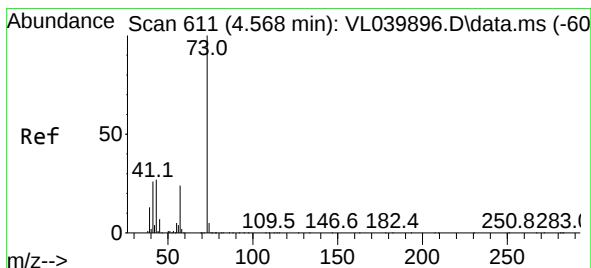
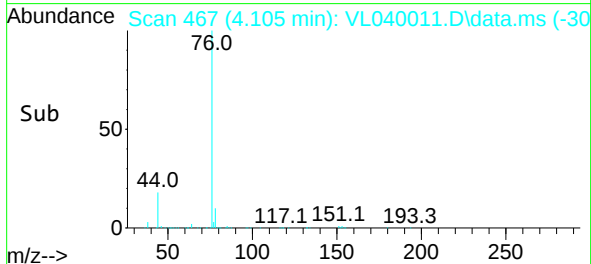
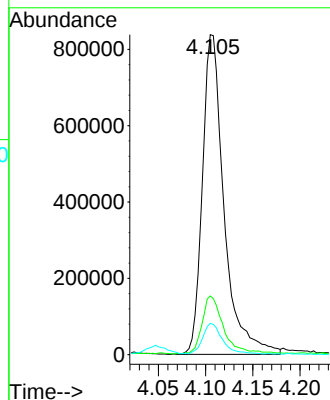
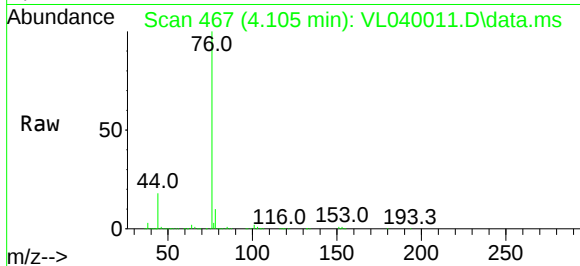




#27
Carbon Disulfide
Concen: 10.602 ppbv
RT: 4.105 min Scan# 4
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

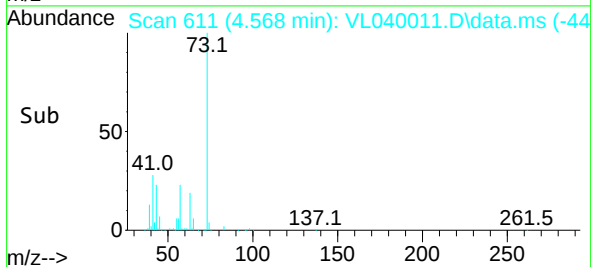
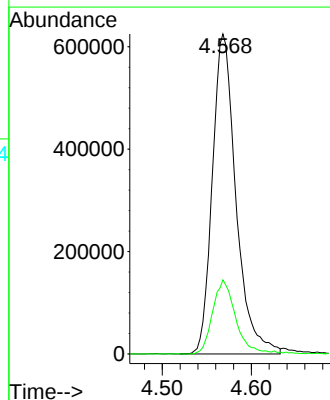
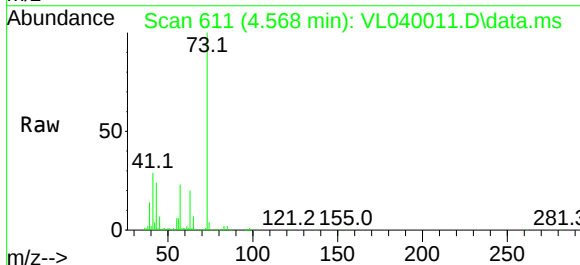
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

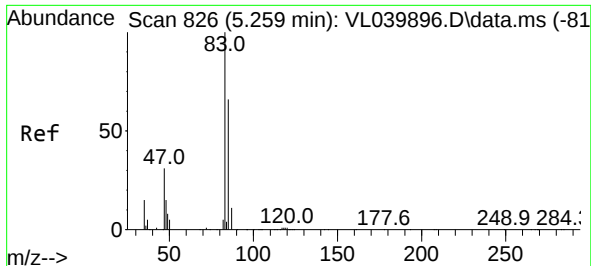
Tgt Ion: 76 Resp: 1336974
Ion Ratio Lower Upper
76 100
44 18.1 14.7 22.1
78 9.3 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 9.194 ppbv
RT: 4.568 min Scan# 611
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 73 Resp: 1149750
Ion Ratio Lower Upper
73 100
57 23.0 18.9 28.3





#29

Chloroform

Concen: 13.360 ppbv

RT: 5.256 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

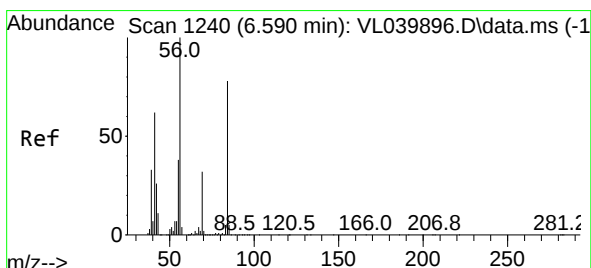
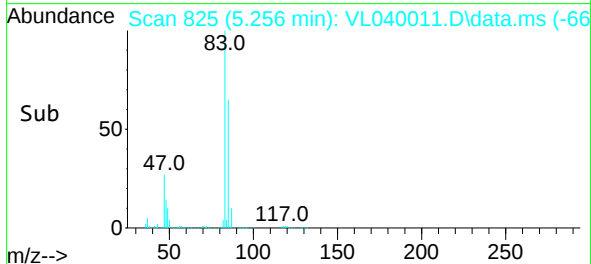
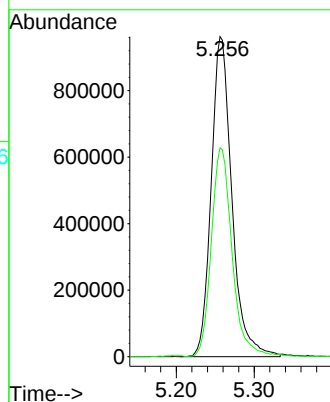
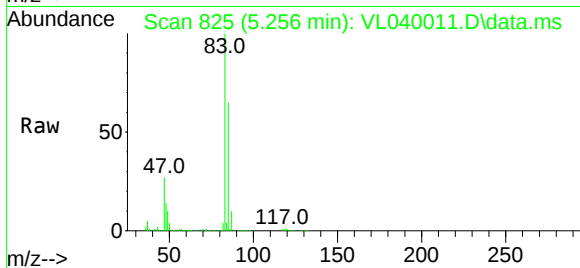
VL1213ABS01

Tgt Ion: 83 Resp: 1773374

Ion Ratio Lower Upper

83 100

85 65.0 52.4 78.6



#30

Cyclohexane

Concen: 9.453 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.023 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

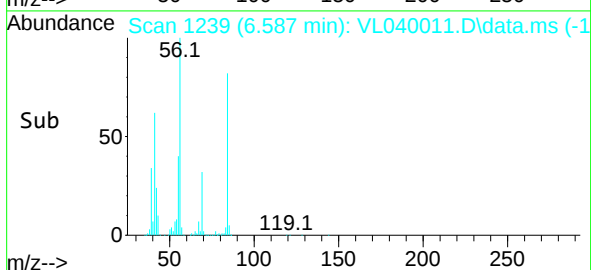
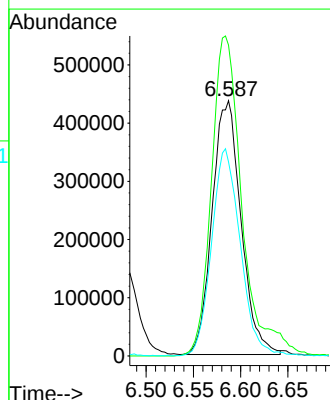
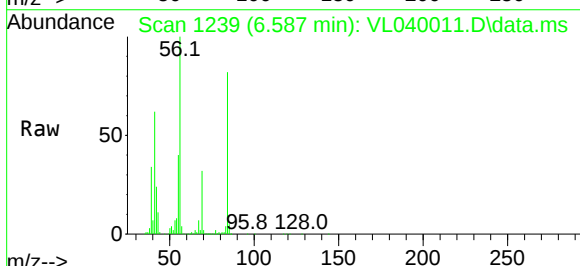
Tgt Ion: 84 Resp: 926589

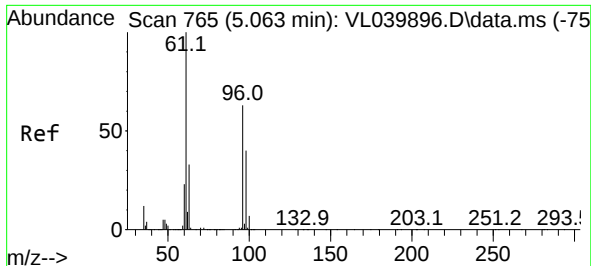
Ion Ratio Lower Upper

84 100

56 134.1 112.5 168.7

41 81.5 67.8 101.8

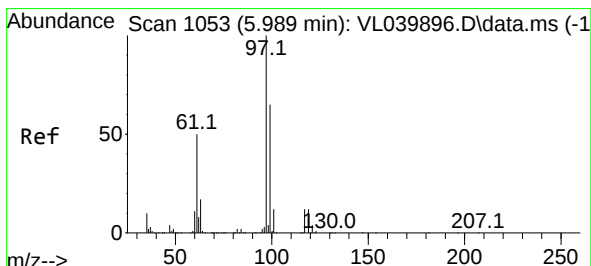
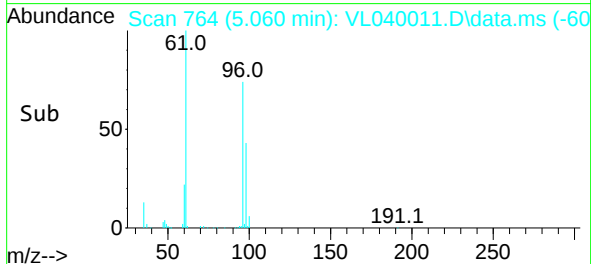
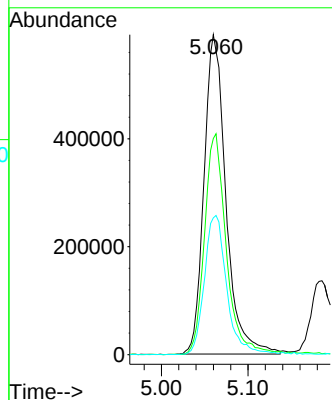
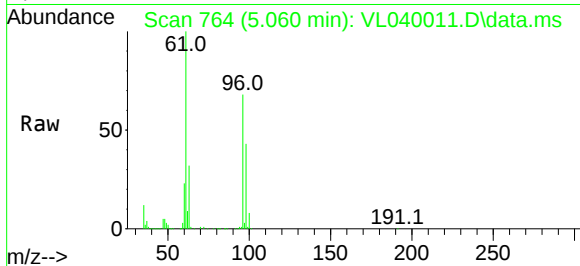




#31
 cis-1,2-Dichloroethene
 Concen: 11.280 ppbv
 RT: 5.060 min Scan# 764
 Delta R.T. 0.019 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

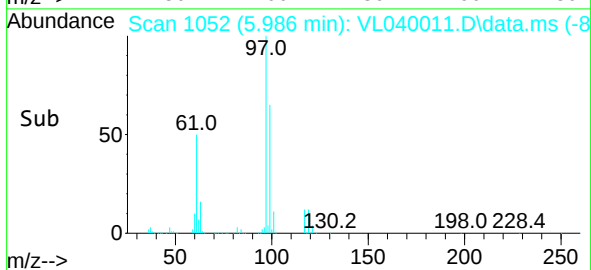
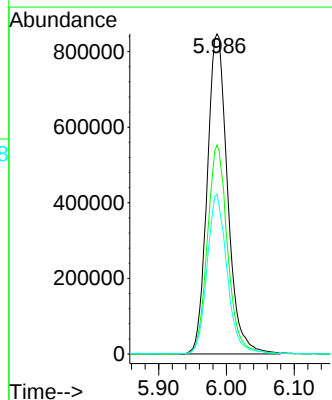
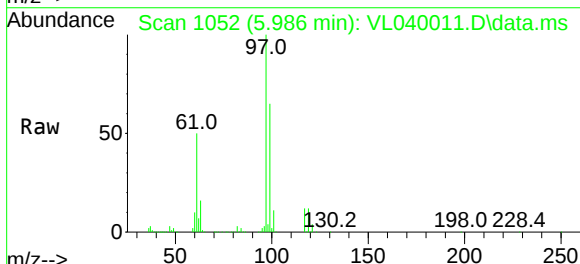
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1213ABS01

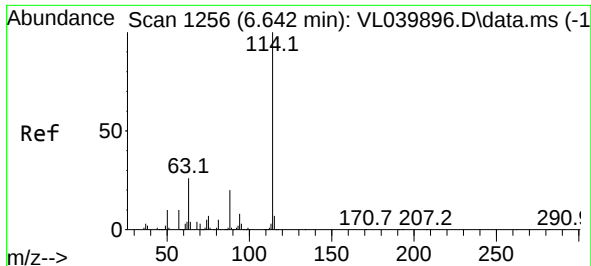
Tgt Ion: 61 Resp: 1040937
 Ion Ratio Lower Upper
 61 100
 96 67.6 50.3 75.5
 98 42.7 32.2 48.2



#32
 1,1,1-Trichloroethane
 Concen: 10.666 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. 0.019 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

Tgt Ion: 97 Resp: 1768067
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.4 77.0
 61 49.1 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

VL1213ABS01

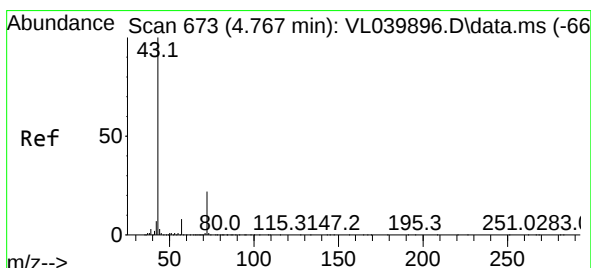
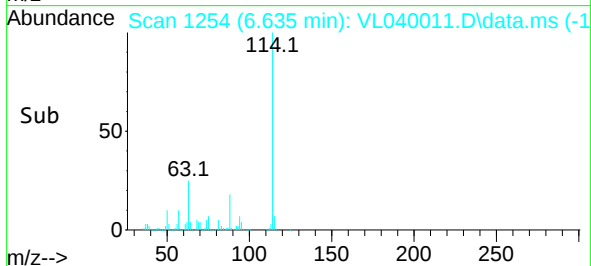
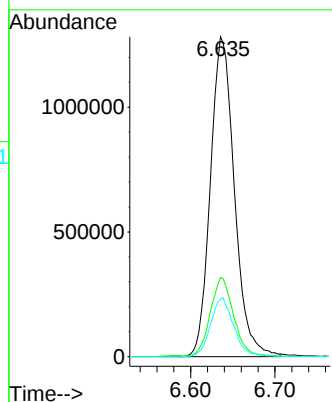
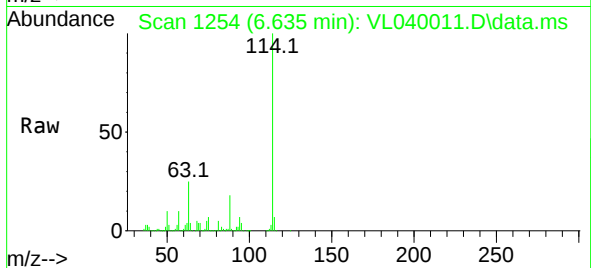
Tgt Ion:114 Resp: 2537257

Ion Ratio Lower Upper

114 100

63 24.5 21.4 32.0

88 17.9 15.3 22.9



#34

2-Butanone

Concen: 11.157 ppbv

RT: 4.767 min Scan# 673

Delta R.T. 0.016 min

Lab File: VL040011.D

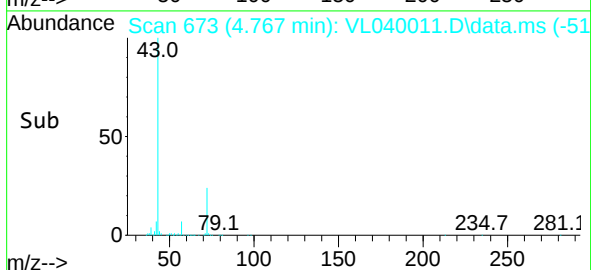
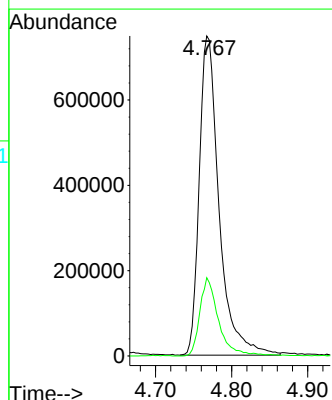
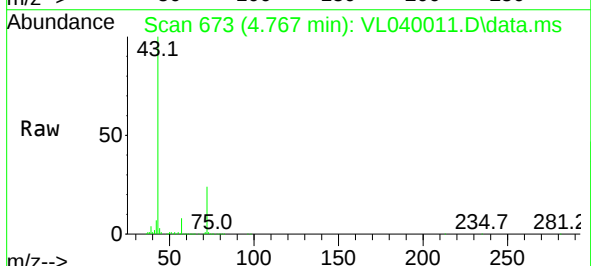
Acq: 13 Dec 2022 18:14

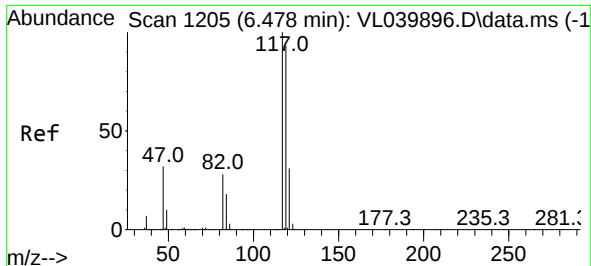
Tgt Ion: 43 Resp: 1354465

Ion Ratio Lower Upper

43 100

72 23.4 17.4 26.2

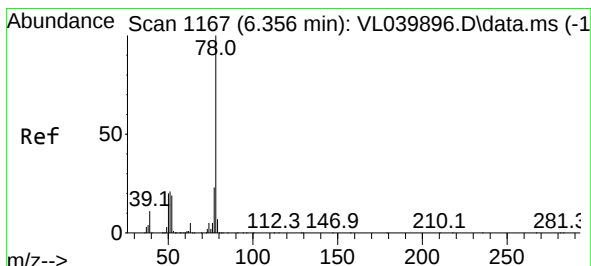
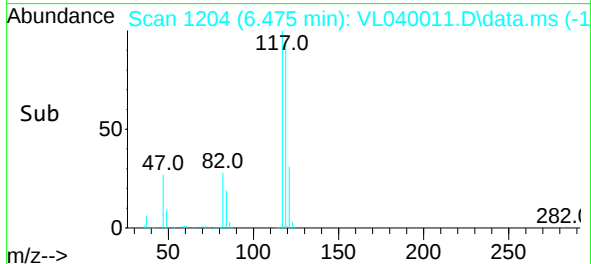
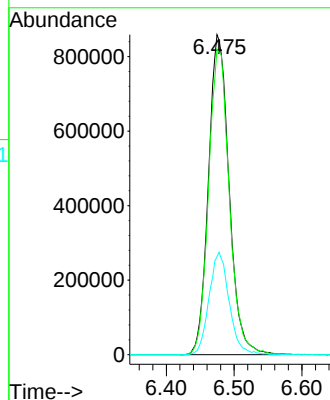
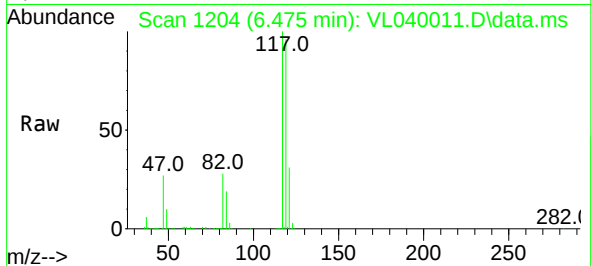




#35
Carbon Tetrachloride
Concen: 12.574 ppbv
RT: 6.475 min Scan# 1166
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

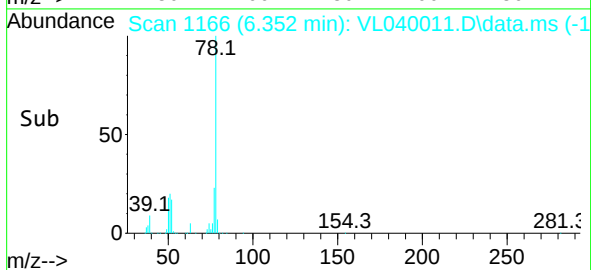
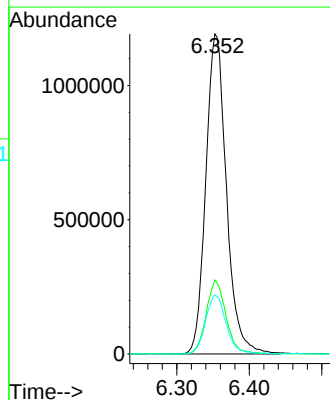
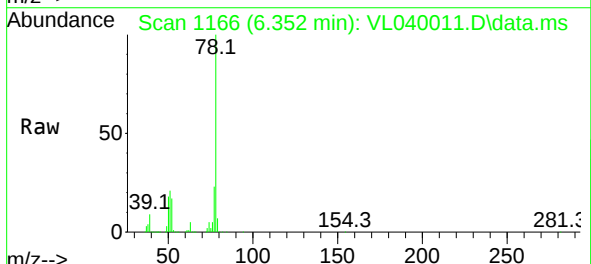
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

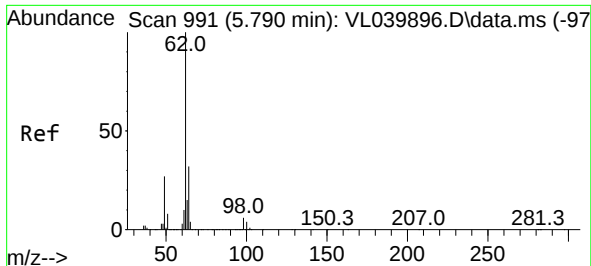
Tgt Ion:117 Resp: 1811817
Ion Ratio Lower Upper
117 100
119 95.5 74.7 112.1
121 30.6 24.5 36.7



#36
Benzene
Concen: 10.920 ppbv
RT: 6.352 min Scan# 1166
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 78 Resp: 2355100
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.2
50 18.5 15.8 23.8





#37

1,2-Dichloroethane

Concen: 11.473 ppbv

RT: 5.787 min Scan# 991

Delta R.T. 0.019 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

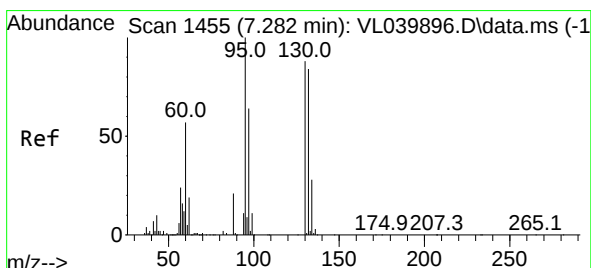
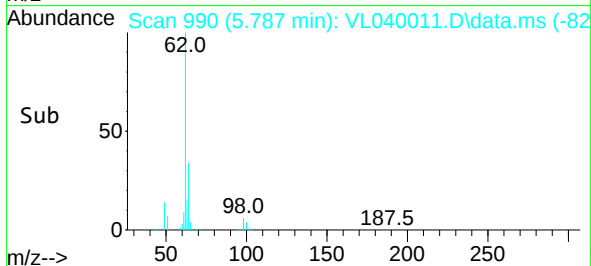
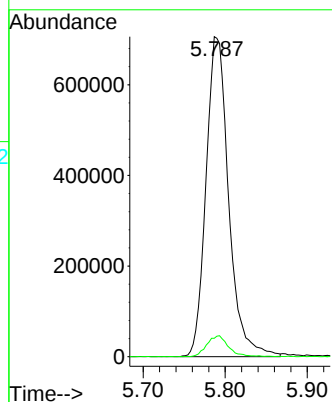
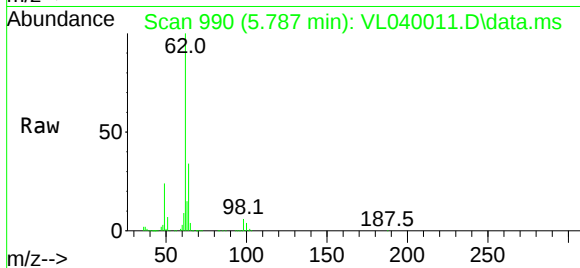
VL1213ABS01

Tgt Ion: 62 Resp: 1355994

Ion Ratio Lower Upper

62 100

98 6.3 5.0 7.6



#38

Trichloroethene

Concen: 11.262 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.019 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Tgt Ion:130 Resp: 1357694

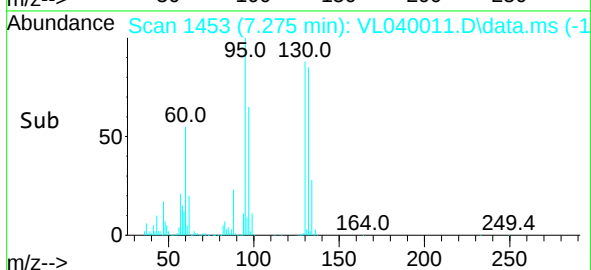
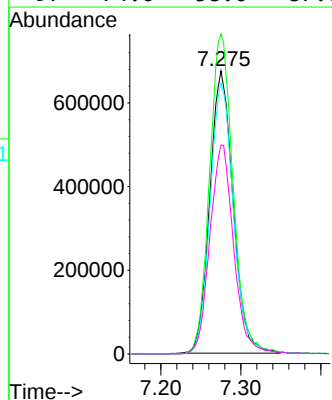
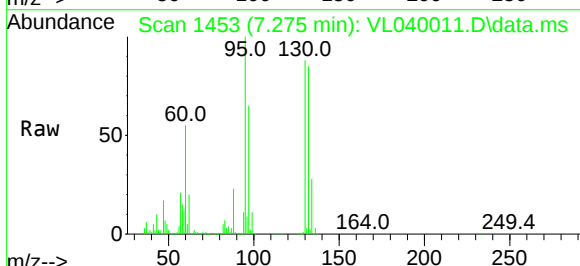
Ion Ratio Lower Upper

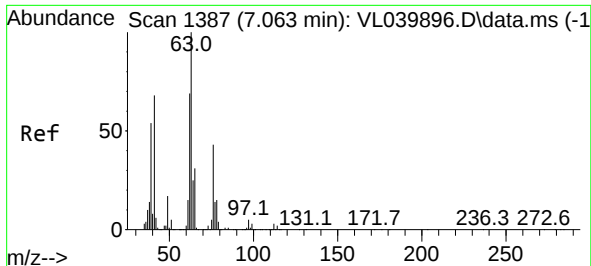
130 100

95 113.4 90.6 135.8

132 96.0 76.2 114.4

97 74.0 58.0 87.0





#39

1,2-Dichloropropane

Concen: 10.556 ppbv

RT: 7.057 min Scan# 11

Delta R.T. 0.023 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

VL1213ABS01

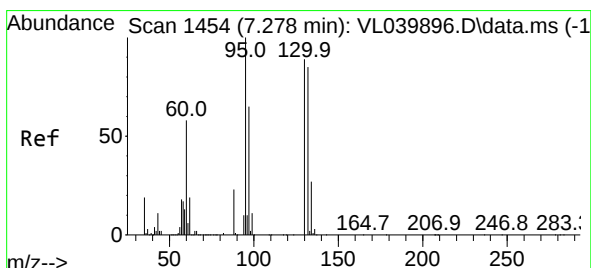
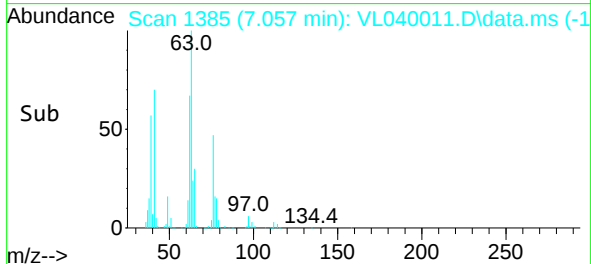
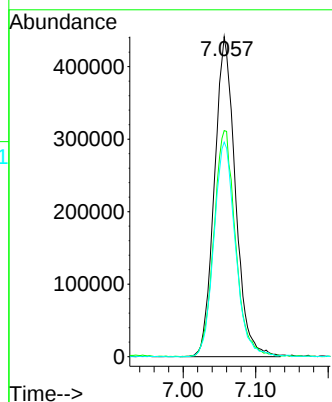
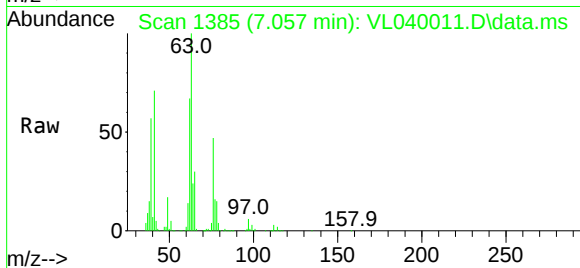
Tgt Ion: 63 Resp: 886963

Ion Ratio Lower Upper

63 100

41 70.5 54.7 82.1

62 67.1 55.0 82.6



#40

1,4-Dioxane

Concen: 11.587 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.016 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Tgt Ion: 88 Resp: 387872

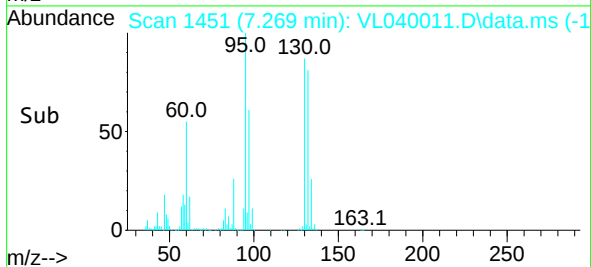
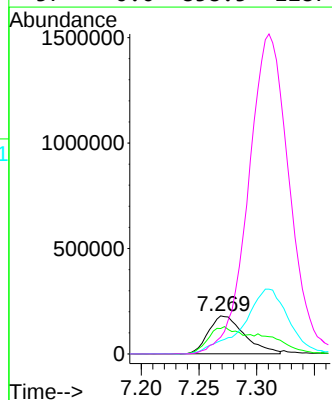
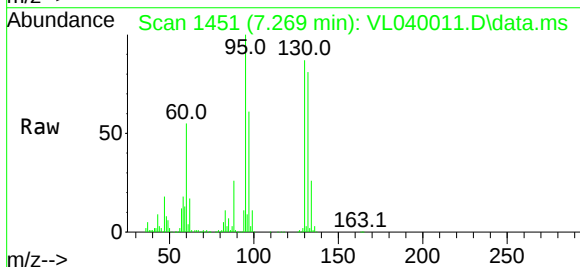
Ion Ratio Lower Upper

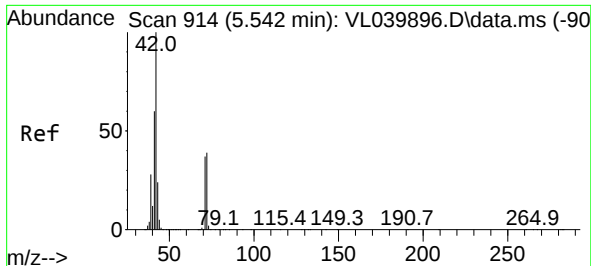
88 100

58 115.4 100.5 150.7

43 0.0 195.8 293.8#

57 0.0 858.5 1287.7#

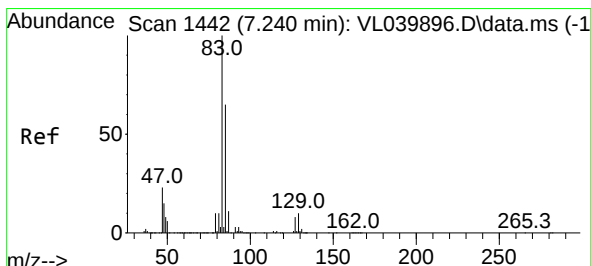
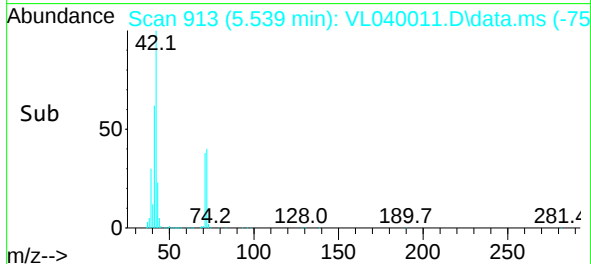
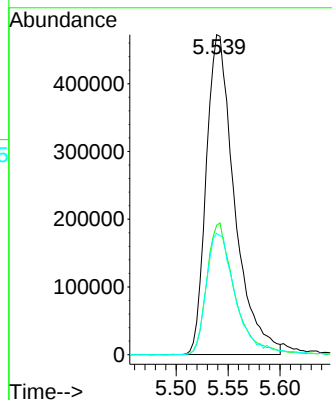
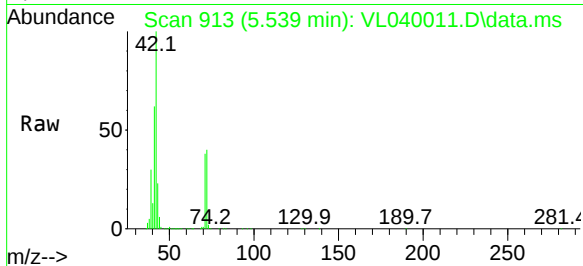




#41
Tetrahydrofuran
Concen: 10.640 ppbv
RT: 5.539 min Scan# 914
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

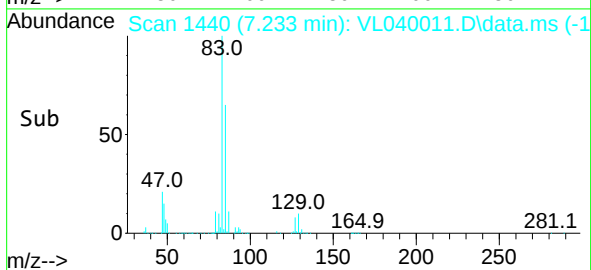
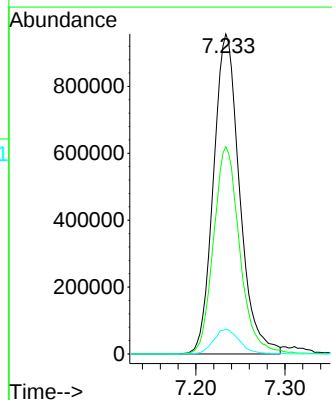
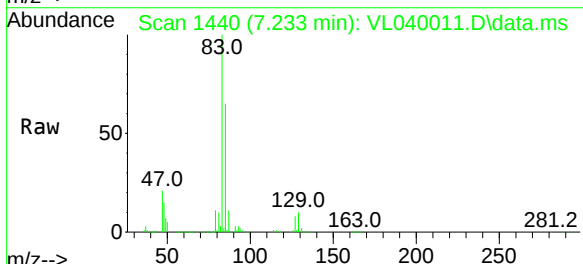
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

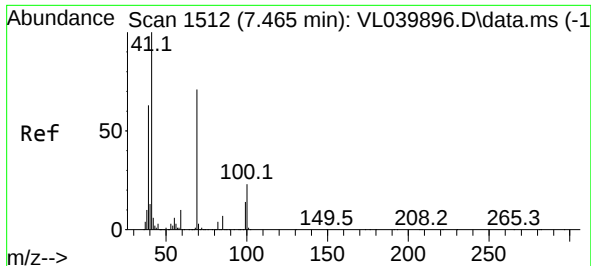
Tgt Ion: 42 Resp: 891798
Ion Ratio Lower Upper
42 100
72 41.0 31.6 47.4
71 40.0 31.2 46.8



#42
Bromodichloromethane
Concen: 12.156 ppbv
RT: 7.233 min Scan# 1440
Delta R.T. 0.023 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 83 Resp: 1948420
Ion Ratio Lower Upper
83 100
85 64.8 52.0 78.0
127 7.8 6.5 9.7

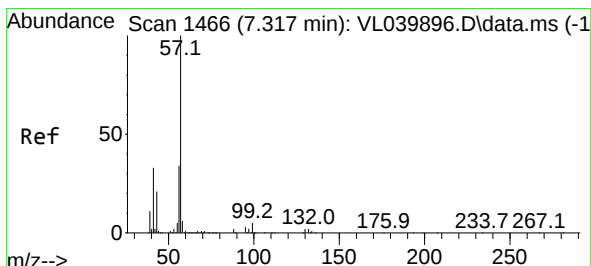
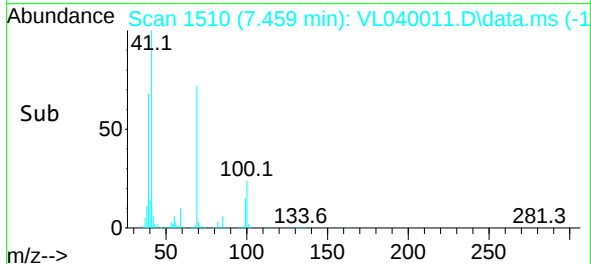
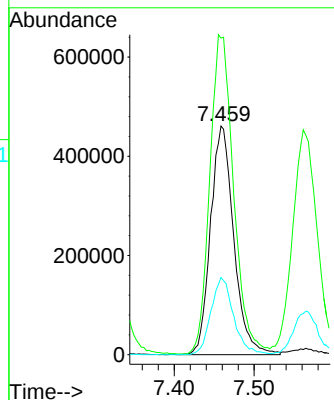
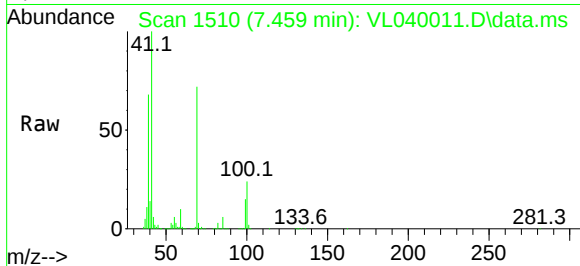




#43
Methyl Methacrylate
Concen: 11.014 ppbv
RT: 7.459 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

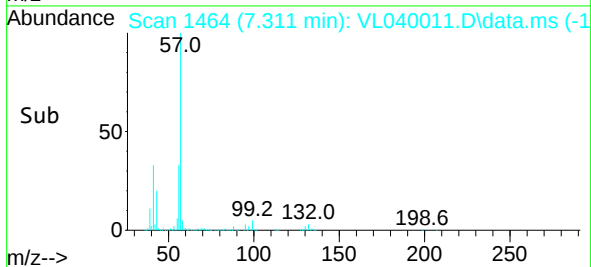
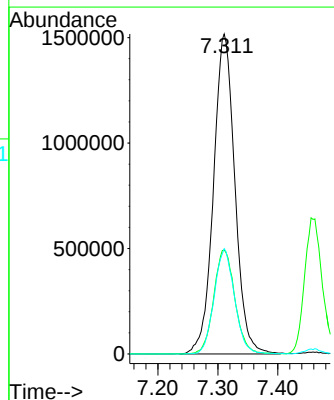
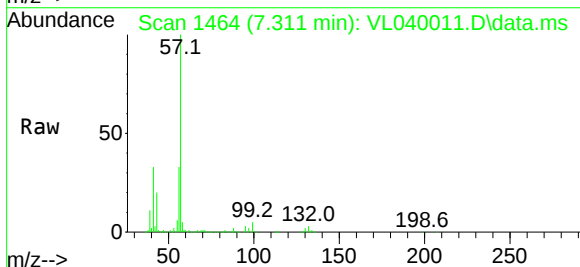
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

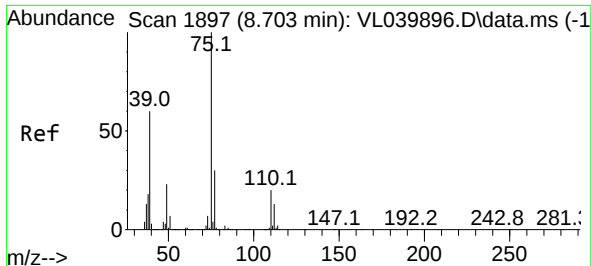
Tgt Ion: 69 Resp: 931303
Ion Ratio Lower Upper
69 100
41 142.9 116.4 174.6
100 32.8 26.8 40.2



#44
2,2,4-Trimethylpentane
Concen: 10.412 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 57 Resp: 3748692
Ion Ratio Lower Upper
57 100
41 32.3 26.2 39.2
56 31.5 25.5 38.3

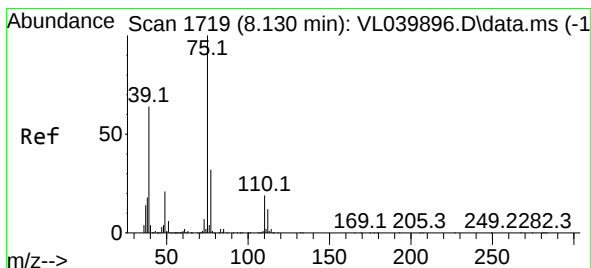
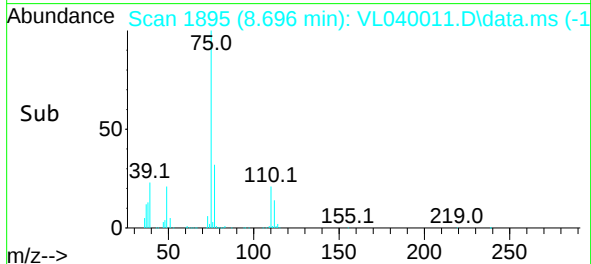
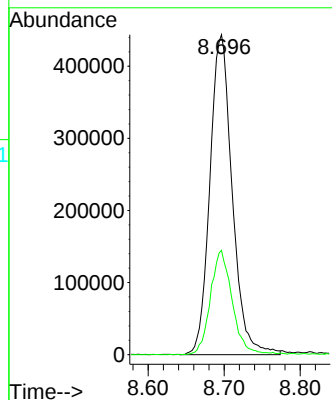
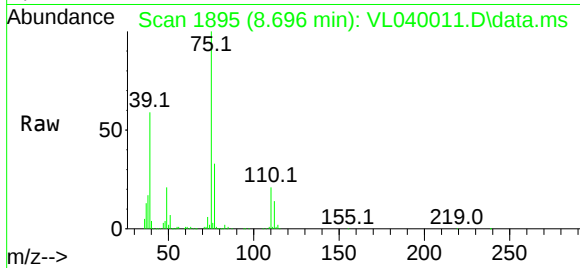




#45
 t-1,3-Dichloropropene
 Concen: 11.584 ppbv
 RT: 8.696 min Scan# 11
 Delta R.T. 0.023 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

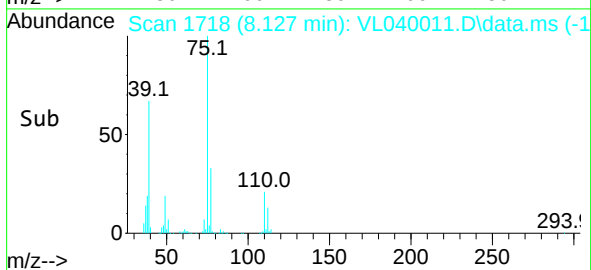
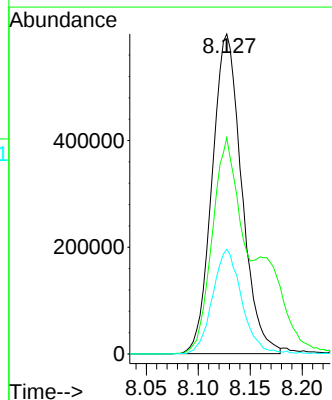
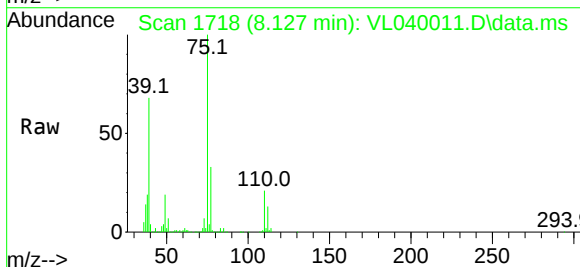
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1213ABS01

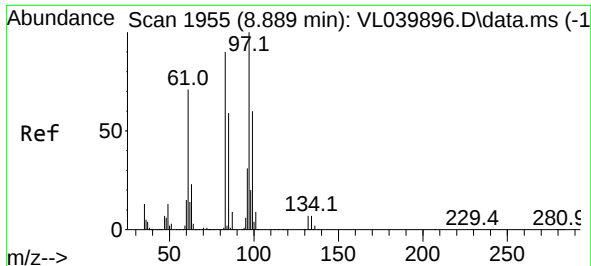
Tgt Ion: 75 Resp: 904938
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.2 36.4



#46
 cis-1,3-Dichloropropene
 Concen: 10.947 ppbv
 RT: 8.127 min Scan# 1718
 Delta R.T. 0.019 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

Tgt Ion: 75 Resp: 1184691
 Ion Ratio Lower Upper
 75 100
 39 67.4 51.0 76.4
 77 32.6 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 11.183 ppbv

RT: 8.886 min Scan# 1955

Delta R.T. 0.023 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

VL1213ABS01

Tgt Ion: 97 Resp: 965689

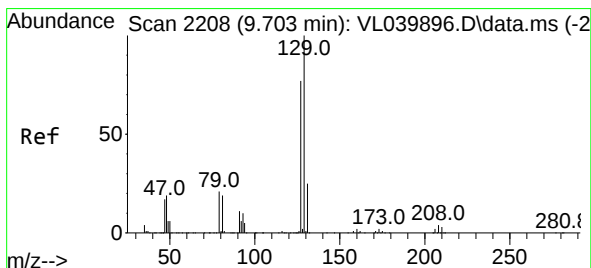
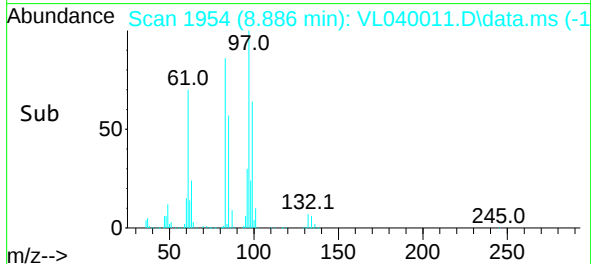
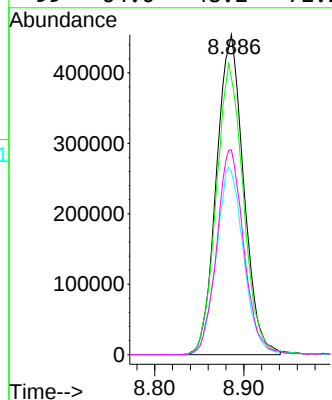
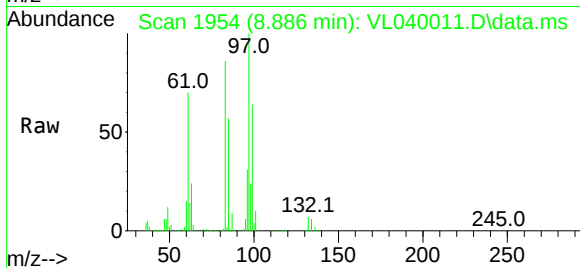
Ion Ratio Lower Upper

97 100

83 86.4 72.1 108.1

85 57.1 47.2 70.8

99 64.0 48.2 72.2



#48

Dibromochloromethane

Concen: 12.890 ppbv

RT: 9.696 min Scan# 2206

Delta R.T. 0.019 min

Lab File: VL040011.D

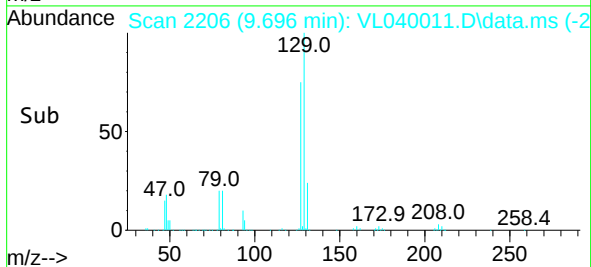
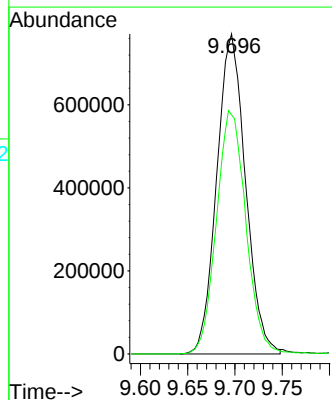
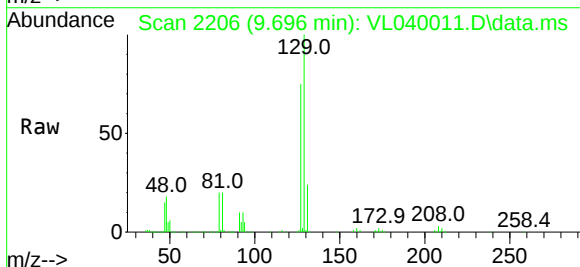
Acq: 13 Dec 2022 18:14

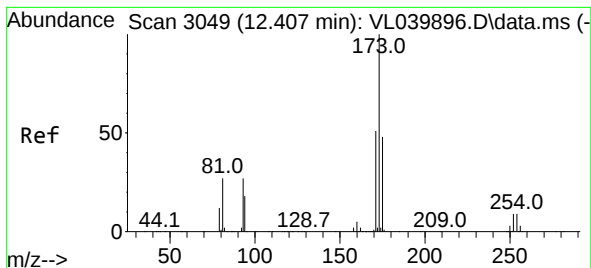
Tgt Ion: 129 Resp: 1630340

Ion Ratio Lower Upper

129 100

127 78.1 39.1 117.3





#49

Bromoform

Concen: 12.658 ppbv

RT: 12.394 min Scan# 3049

Delta R.T. 0.019 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

VL1213ABS01

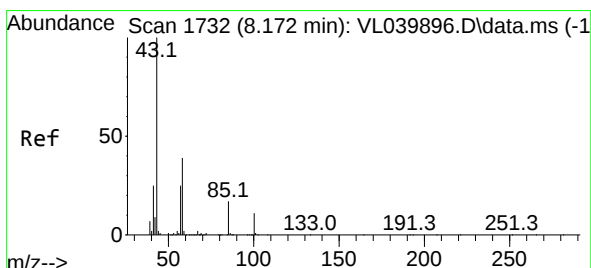
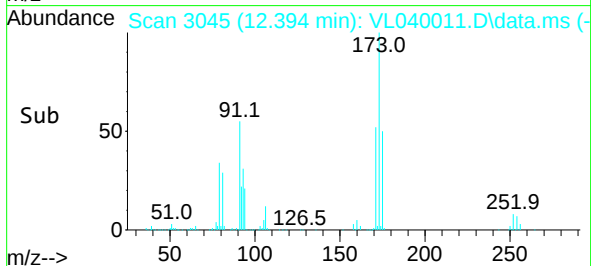
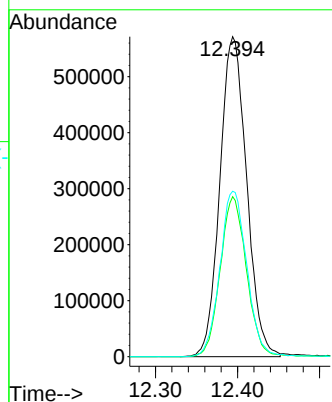
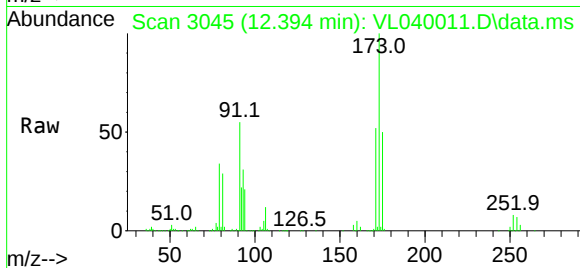
Tgt Ion:173 Resp: 1295969

Ion Ratio Lower Upper

173 100

175 49.3 39.1 58.7

171 52.3 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 10.834 ppbv

RT: 8.166 min Scan# 1730

Delta R.T. 0.019 min

Lab File: VL040011.D

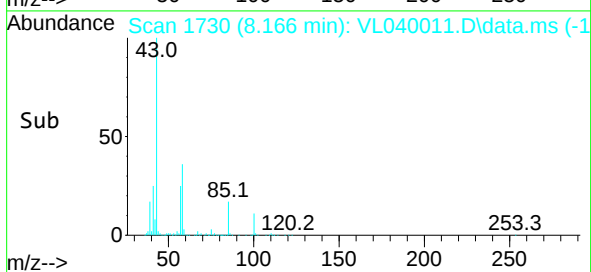
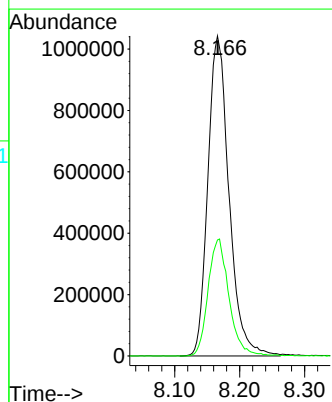
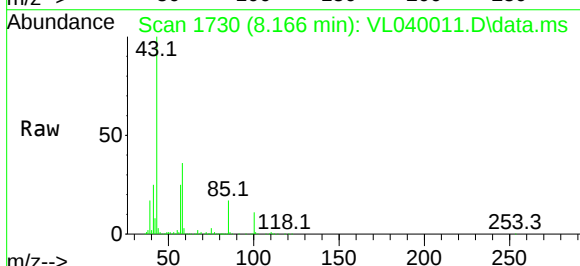
Acq: 13 Dec 2022 18:14

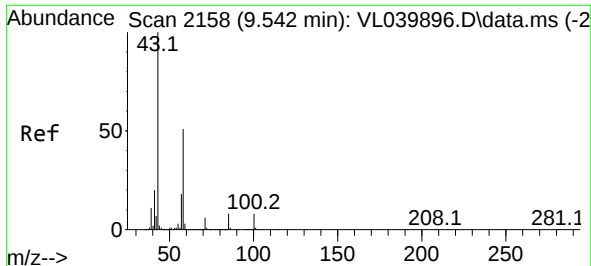
Tgt Ion: 43 Resp: 2355808

Ion Ratio Lower Upper

43 100

58 36.3 29.8 44.6

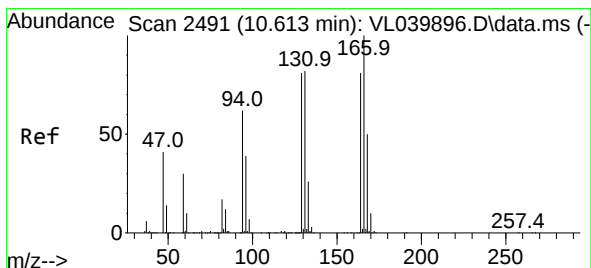
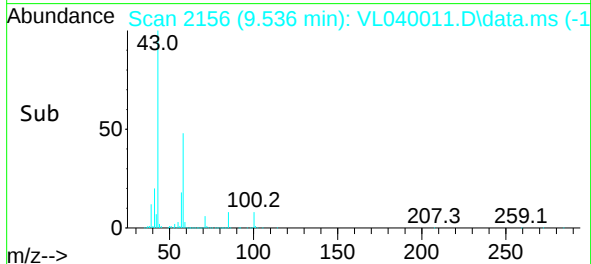
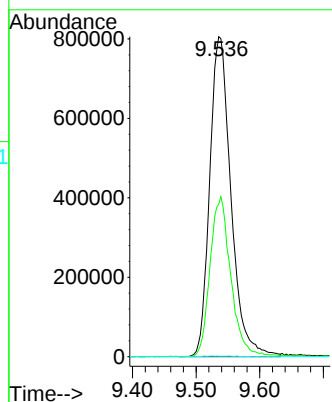
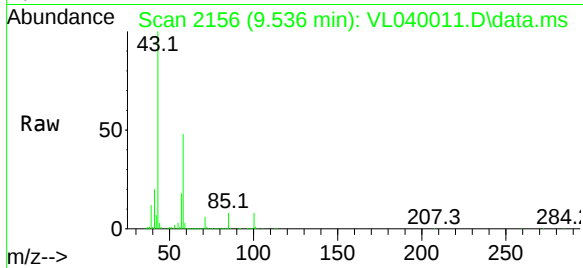




#51
2-Hexanone
Concen: 11.067 ppbv
RT: 9.536 min Scan# 2158
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

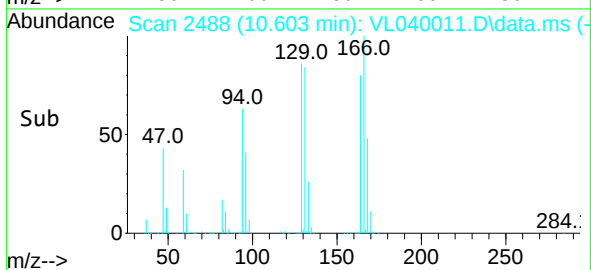
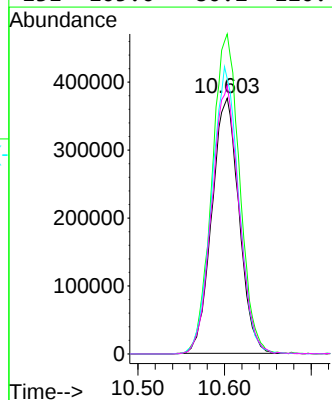
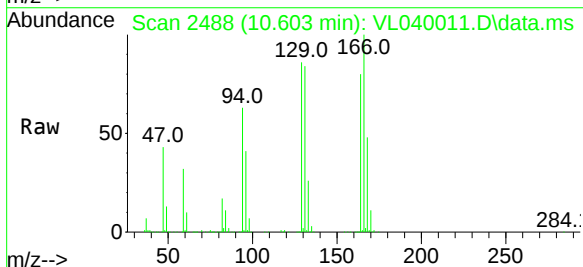
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

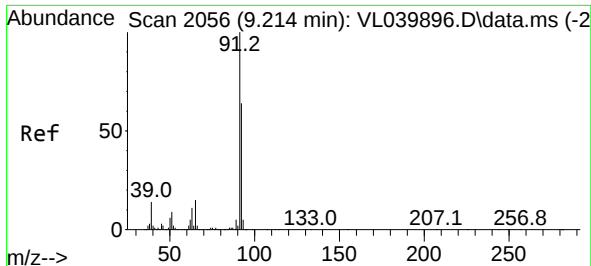
Tgt Ion: 43 Resp: 1868029
Ion Ratio Lower Upper
43 100
58 49.1 40.2 60.4
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.101 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. 0.023 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion:164 Resp: 814914
Ion Ratio Lower Upper
164 100
166 125.2 98.3 147.5
129 107.6 79.7 119.5
131 105.0 80.2 120.4

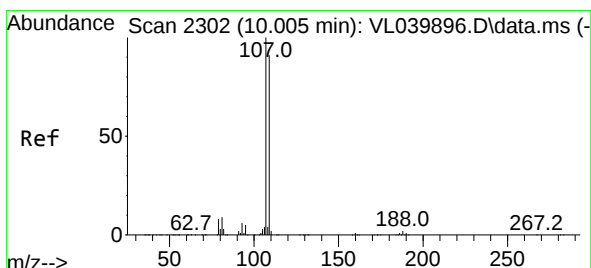
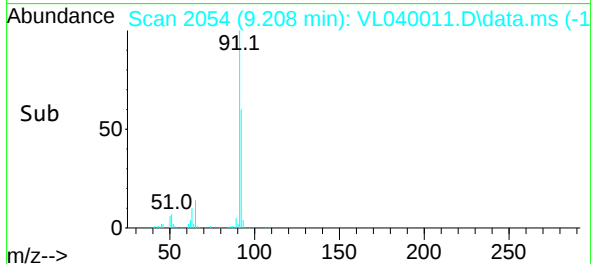
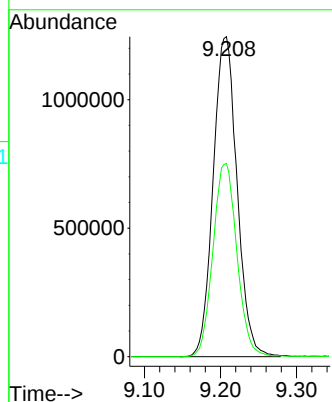
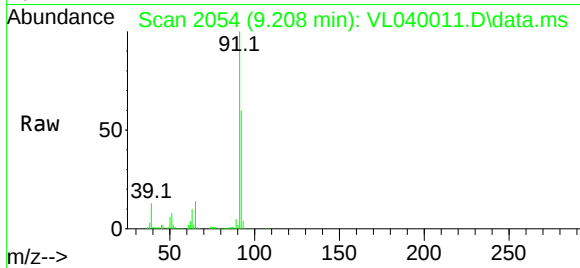




#53
Toluene
Concen: 11.058 ppbv
RT: 9.208 min Scan# 2056
Delta R.T. 0.023 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

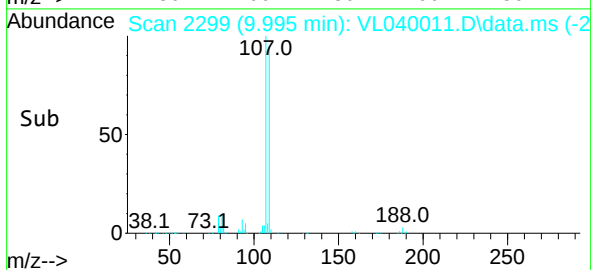
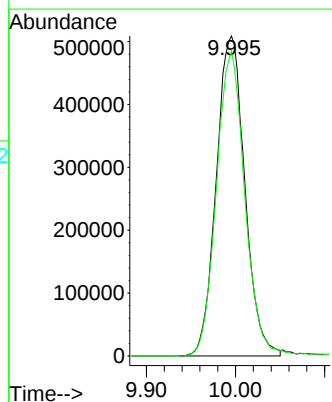
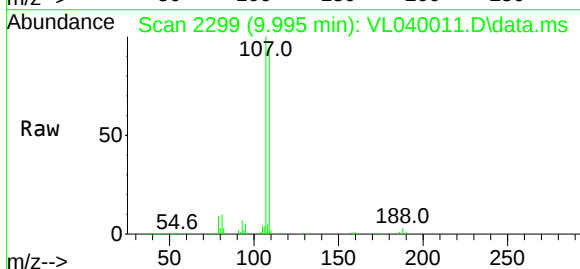
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

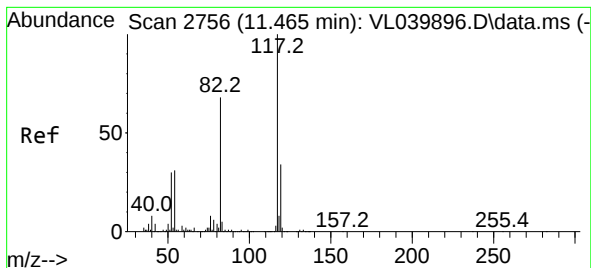
Tgt Ion: 91 Resp: 2716637
Ion Ratio Lower Upper
91 100
92 60.7 49.8 74.6



#54
1,2-Dibromoethane
Concen: 12.296 ppbv
RT: 9.995 min Scan# 2299
Delta R.T. 0.023 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 107 Resp: 1133147
Ion Ratio Lower Upper
107 100
109 95.3 72.8 109.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 21

Delta R.T. 0.019 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

VL1213ABS01

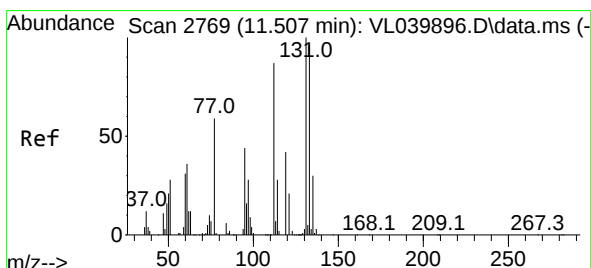
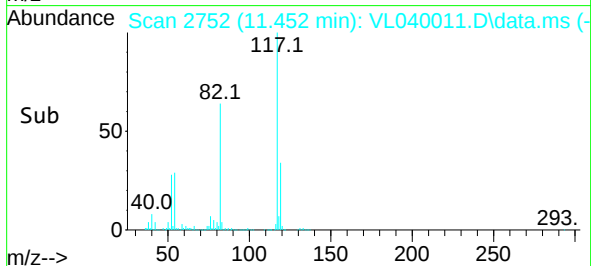
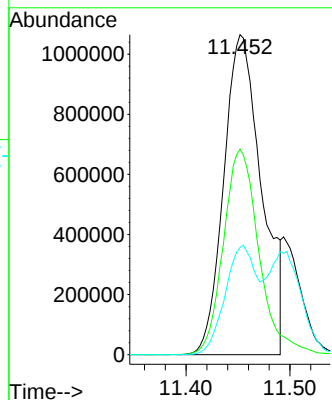
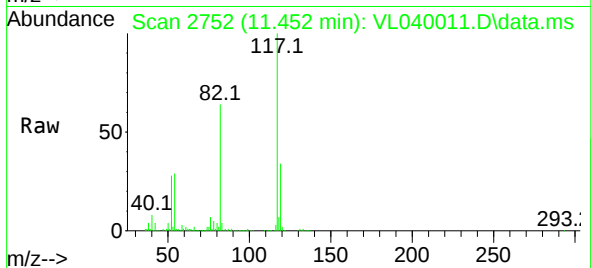
Tgt Ion:117 Resp: 2704501

Ion Ratio Lower Upper

117 100

82 60.7 52.3 78.5

119 27.9 25.7 38.5



#56

1,1,1,2-Tetrachloroethane

Concen: 10.536 ppbv

RT: 11.494 min Scan# 2765

Delta R.T. 0.019 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

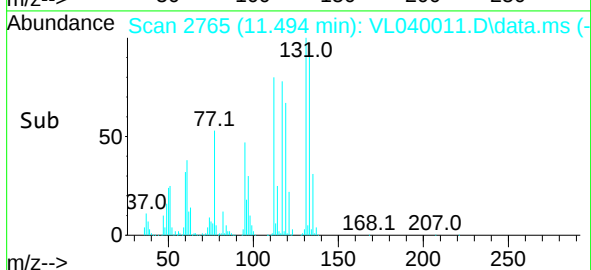
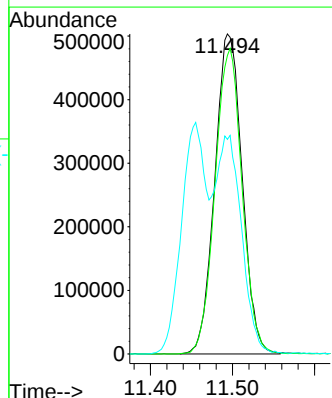
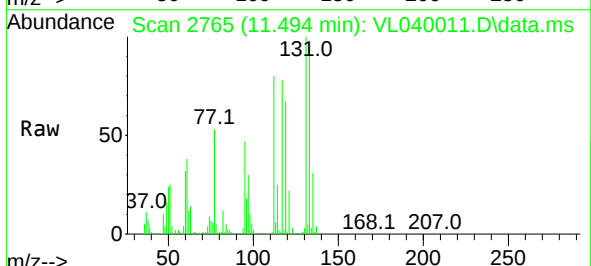
Tgt Ion:131 Resp: 1164809

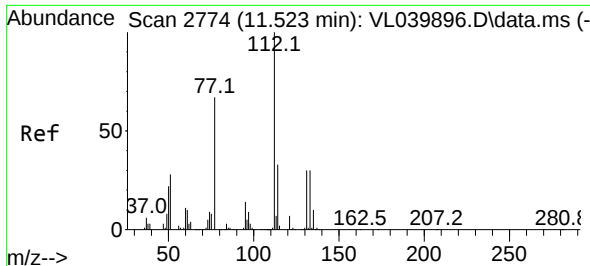
Ion Ratio Lower Upper

131 100

133 94.8 76.7 115.1

119 63.4 46.6 69.8

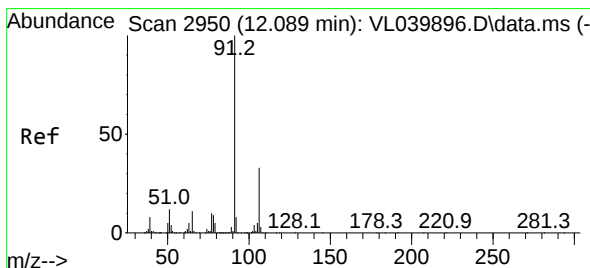
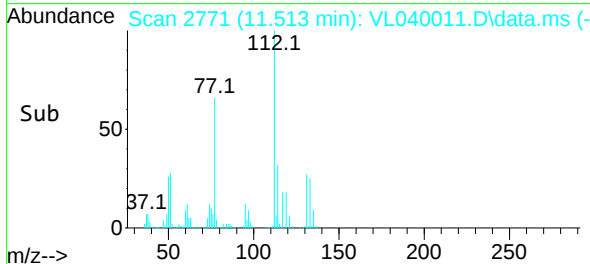
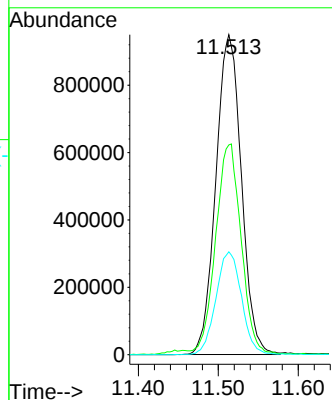
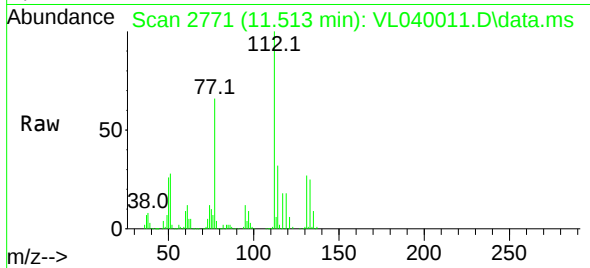




#57
Chlorobenzene
Concen: 10.180 ppbv
RT: 11.513 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

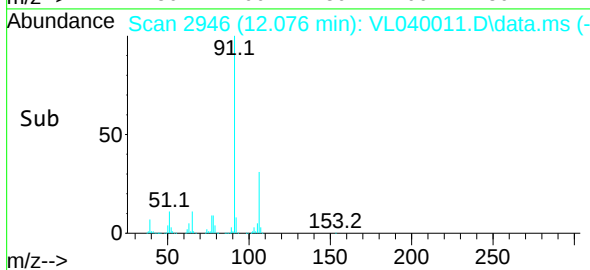
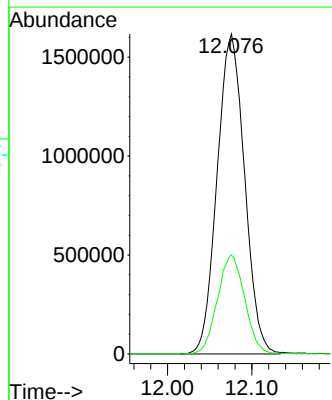
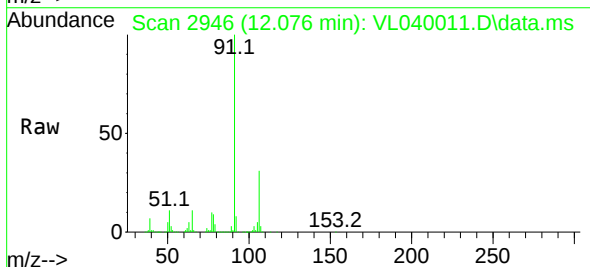
Instrument :
MSVOA_1
ClientSampleId :
VL1213ABS01

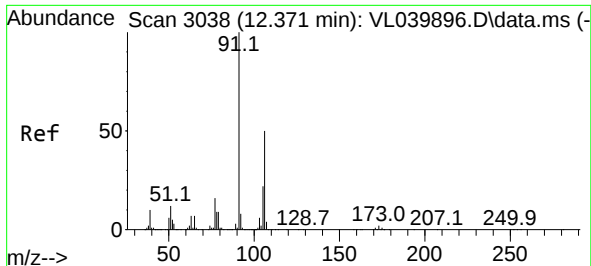
Tgt Ion:112 Resp: 2105048
Ion Ratio Lower Upper
112 100
77 65.3 54.6 81.8
114 32.2 30.1 36.7



#58
Ethyl Benzene
Concen: 9.946 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 91 Resp: 3649168
Ion Ratio Lower Upper
91 100
106 31.0 26.1 39.1





#59

m/p-Xylene

Concen: 9.444 ppbv

RT: 12.359 min Scan# 3034

Delta R.T. 0.019 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

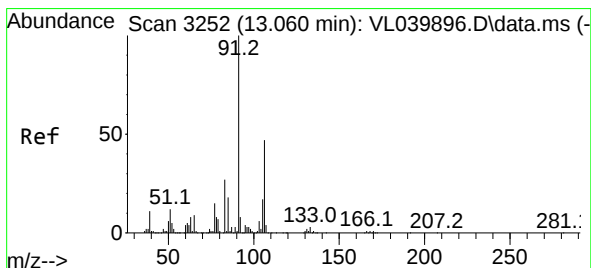
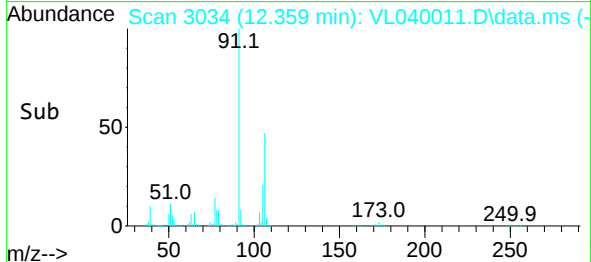
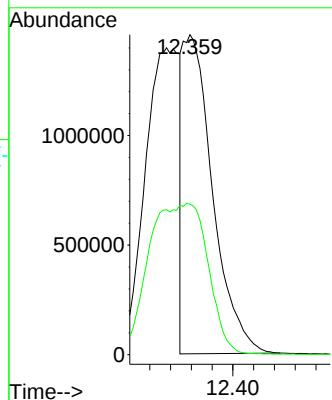
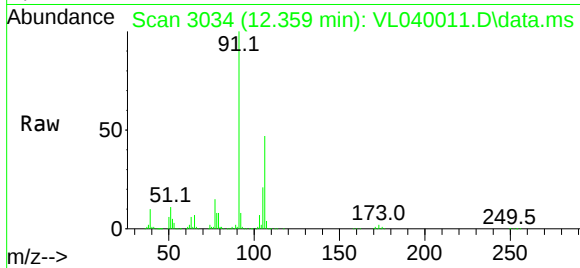
VL1213ABS01

Tgt Ion: 91 Resp: 2900010

Ion Ratio Lower Upper

91 100

106 94.2 37.0 55.6#



#60

o-Xylene

Concen: 10.002 ppbv

RT: 13.047 min Scan# 3248

Delta R.T. 0.019 min

Lab File: VL040011.D

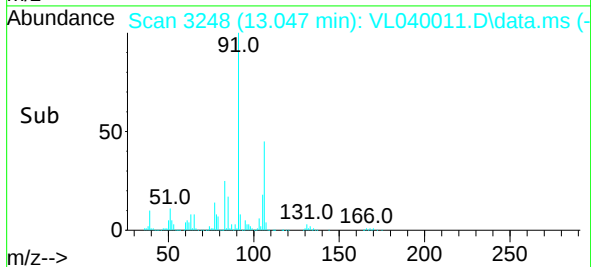
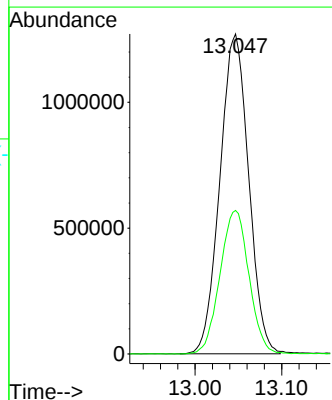
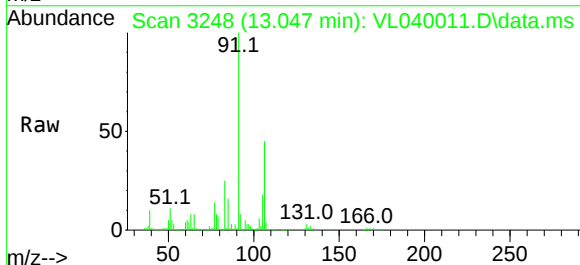
Acq: 13 Dec 2022 18:14

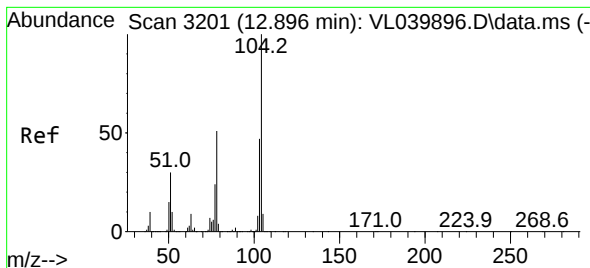
Tgt Ion: 91 Resp: 2929068

Ion Ratio Lower Upper

91 100

106 45.4 23.2 69.6





#61

Styrene

Concen: 10.150 ppbv

RT: 12.883 min Scan# 3197

Delta R.T. 0.019 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

VL1213ABS01

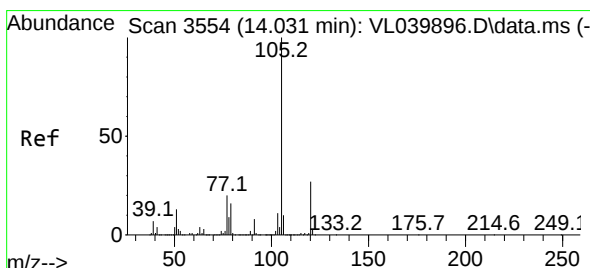
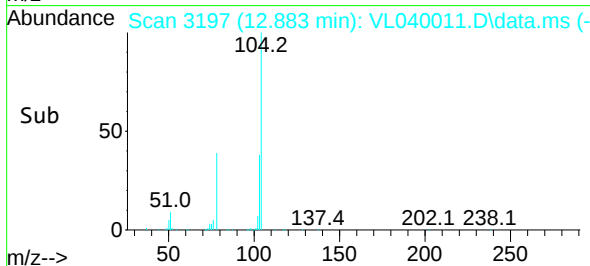
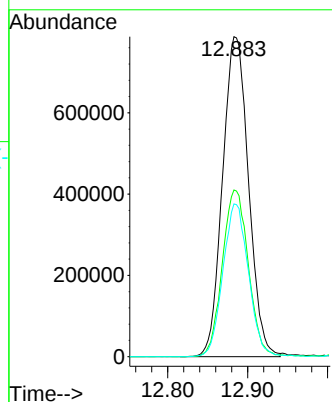
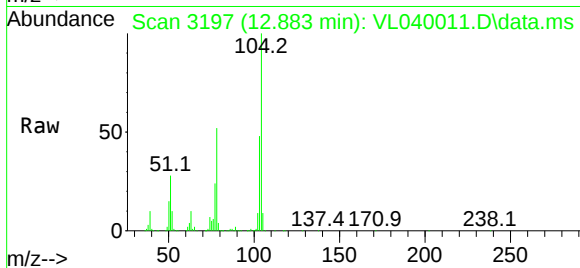
Tgt Ion:104 Resp: 1774341

Ion Ratio Lower Upper

104 100

78 52.3 41.8 62.8

103 47.1 37.2 55.8



#62

Isopropylbenzene

Concen: 9.917 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. 0.023 min

Lab File: VL040011.D

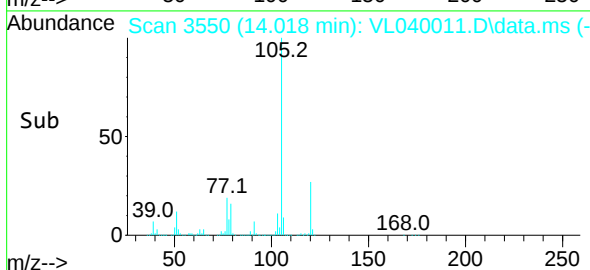
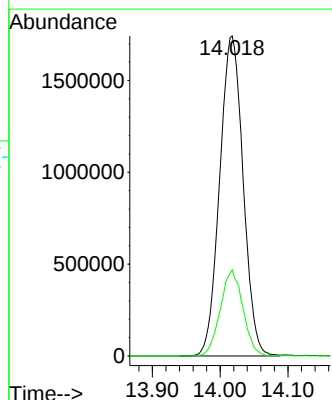
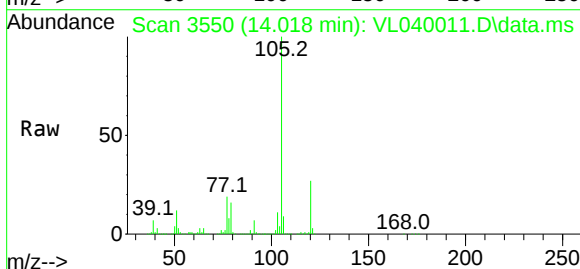
Acq: 13 Dec 2022 18:14

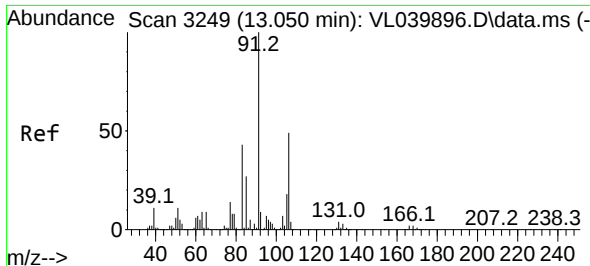
Tgt Ion:105 Resp: 4188010

Ion Ratio Lower Upper

105 100

120 25.9 21.4 32.2

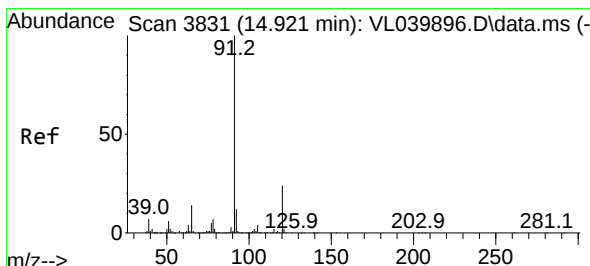
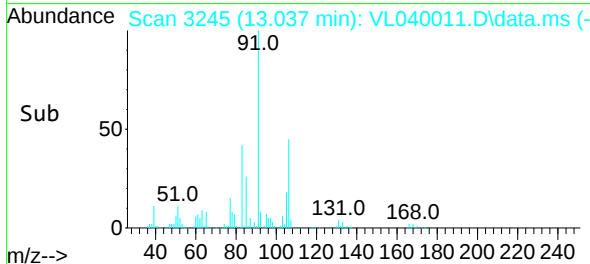
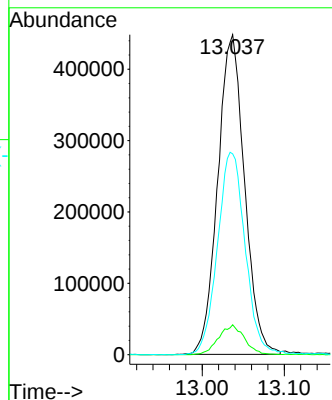
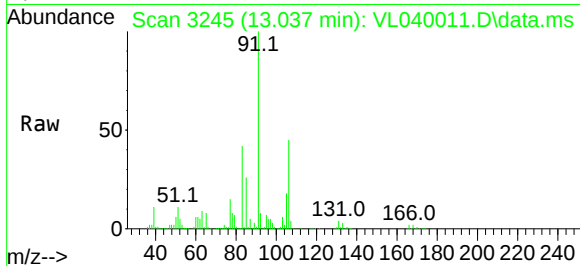




#63
1,1,2,2-Tetrachloroethane
Concen: 10.406 ppbv
RT: 13.037 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

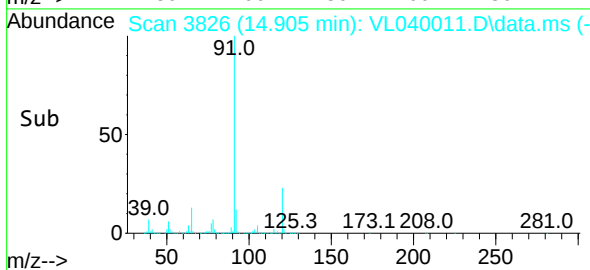
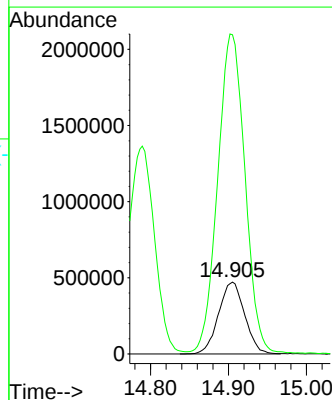
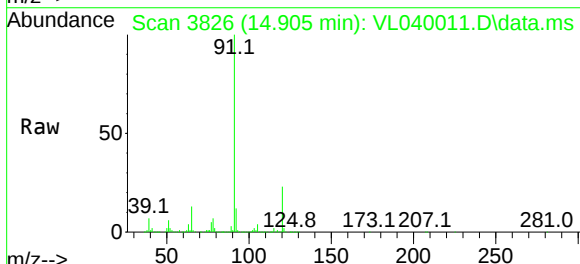
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

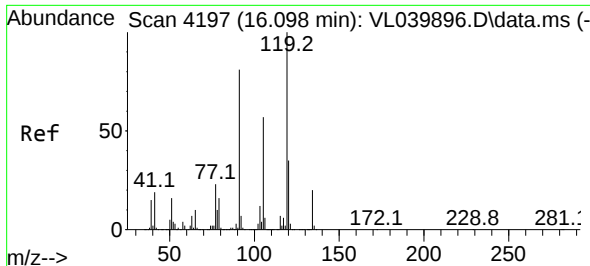
Tgt Ion: 83 Resp: 1017546
Ion Ratio Lower Upper
83 100
131 9.1 4.6 13.8
85 65.9 33.0 99.0



#64
n-propylbenzene
Concen: 9.949 ppbv
RT: 14.905 min Scan# 3826
Delta R.T. 0.026 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion:120 Resp: 1099094
Ion Ratio Lower Upper
120 100
91 466.5 353.7 530.5

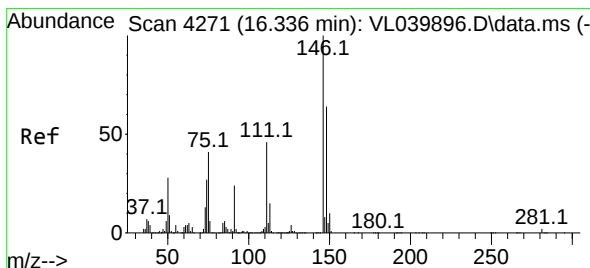
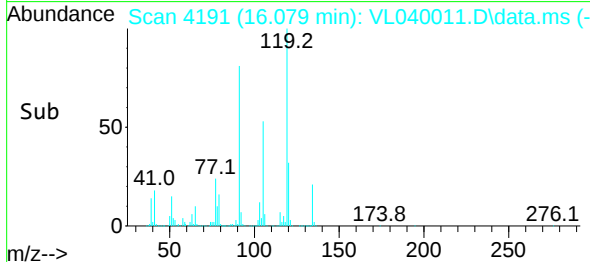
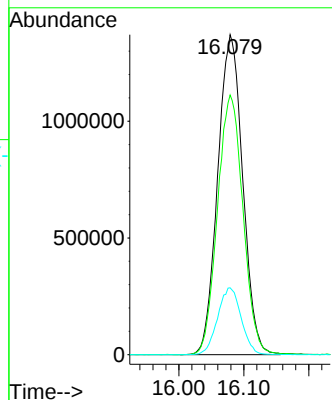
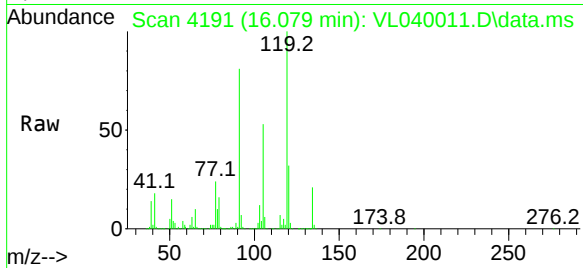




#65
tert-Butylbenzene
Concen: 9.889 ppbv
RT: 16.079 min Scan# 4197
Delta R.T. 0.023 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

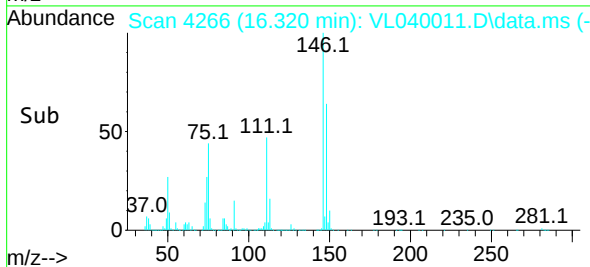
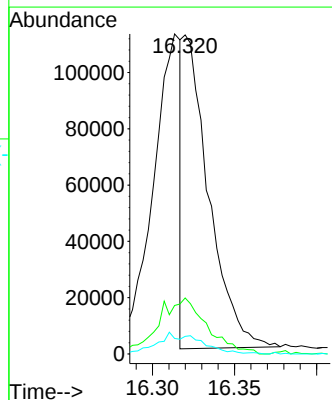
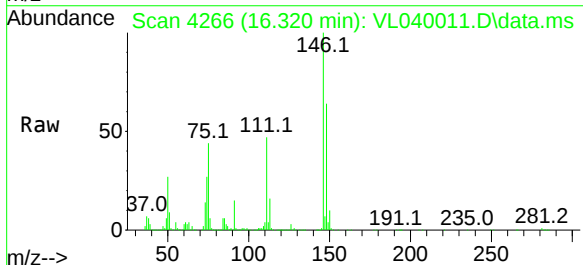
Instrument :
MSVOA_1
ClientSampleId :
VL1213ABS01

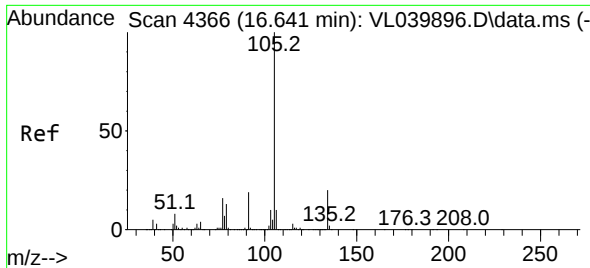
Tgt Ion:119 Resp: 3653329
Ion Ratio Lower Upper
119 100
91 82.8 65.8 98.8
134 19.8 16.1 24.1



#66
Benzyl Chloride
Concen: 3.819 ppbv
RT: 16.320 min Scan# 4266
Delta R.T. 0.026 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 91 Resp: 120900
Ion Ratio Lower Upper
91 100
126 34.9 15.0 22.6#
128 0.0 4.6 7.0#

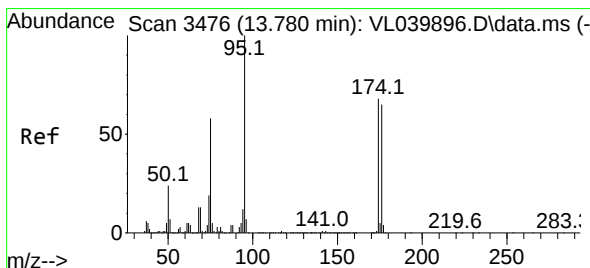
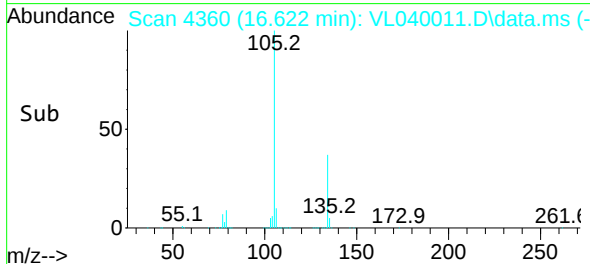
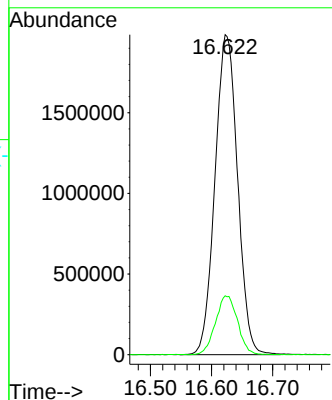
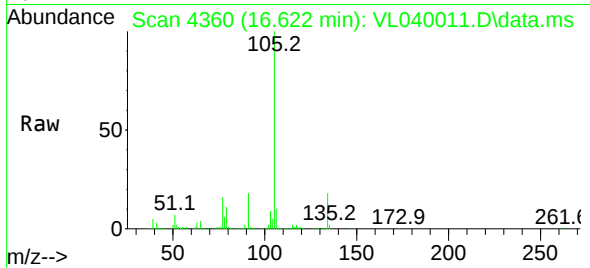




#67
 sec-Butylbenzene
 Concen: 10.010 ppbv
 RT: 16.622 min Scan# 41
 Delta R.T. 0.019 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

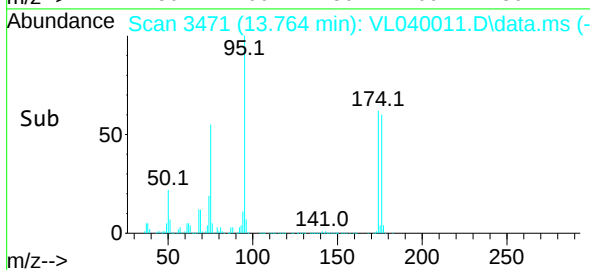
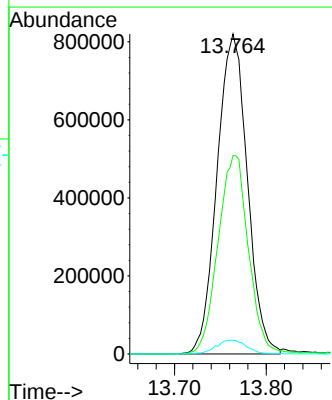
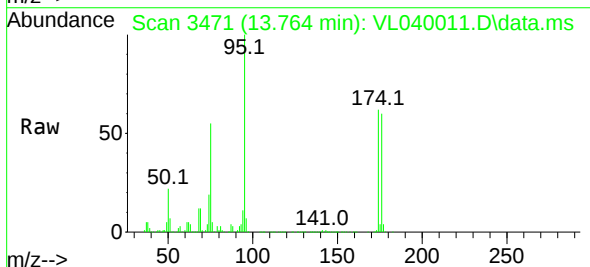
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1213ABS01

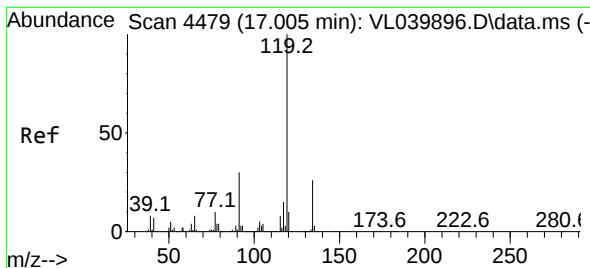
Tgt Ion:105 Resp: 5084972
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.099 ppbv
 RT: 13.764 min Scan# 3471
 Delta R.T. 0.023 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

Tgt Ion: 95 Resp: 1879593
 Ion Ratio Lower Upper
 95 100
 174 63.0 53.7 80.5
 175 4.4 4.0 6.0





#69

p-Isopropyltoluene

Concen: 9.938 ppbv

RT: 16.982 min Scan# 4479

Delta R.T. 0.016 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_1

ClientSampleId :

VL1213ABS01

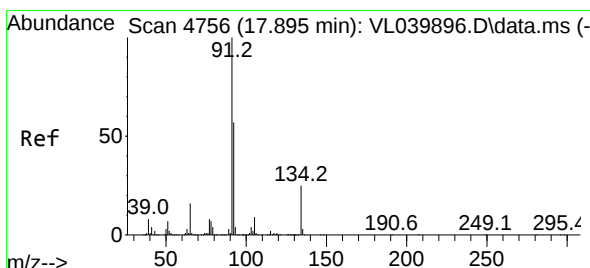
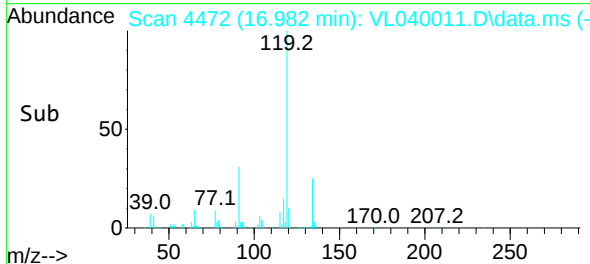
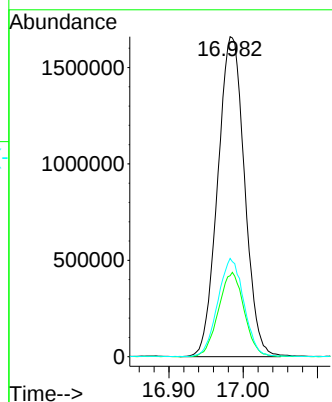
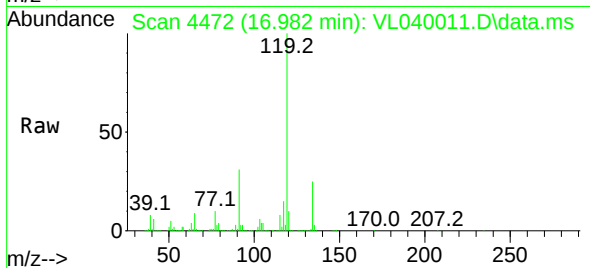
Tgt Ion:119 Resp: 4158367

Ion Ratio Lower Upper

119 100

134 25.4 21.0 31.4

91 30.0 24.4 36.6



#70

n-Butylbenzene

Concen: 10.326 ppbv

RT: 17.873 min Scan# 4749

Delta R.T. 0.016 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

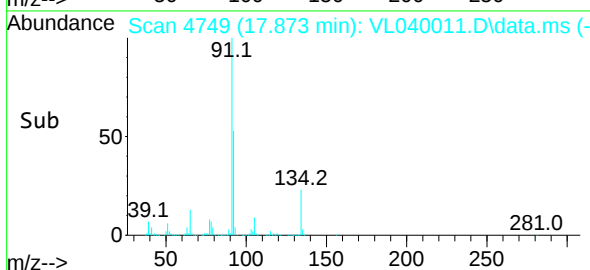
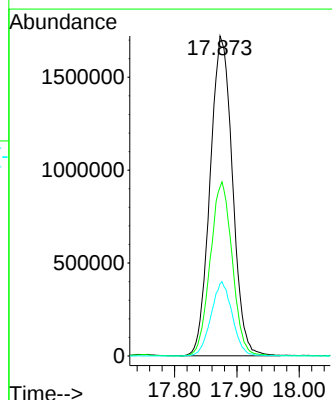
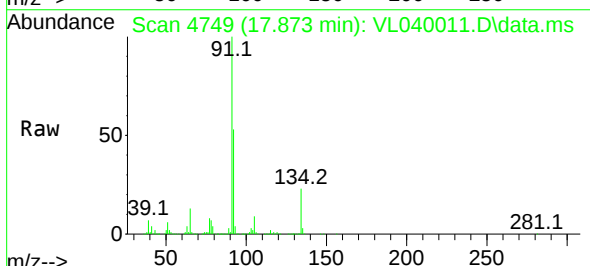
Tgt Ion: 91 Resp: 4283809

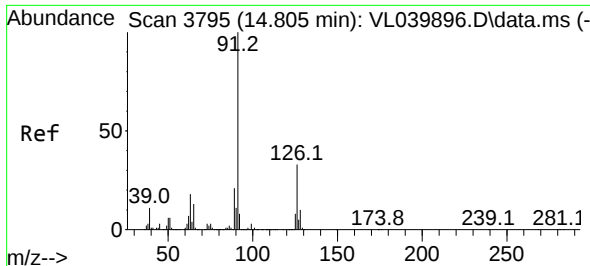
Ion Ratio Lower Upper

91 100

92 53.6 44.2 66.2

134 22.2 18.8 28.2

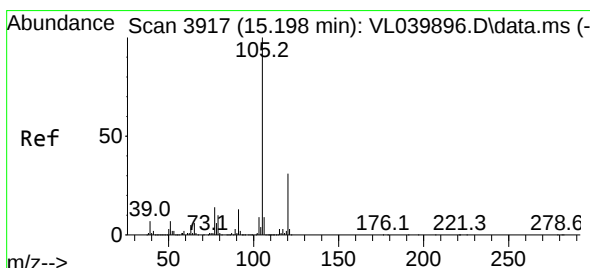
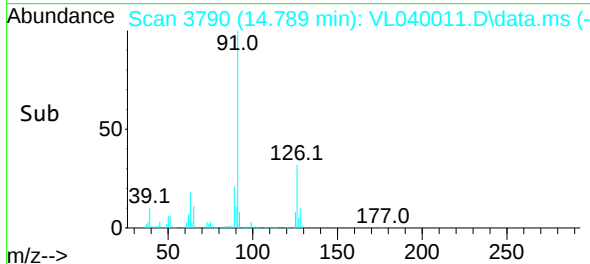
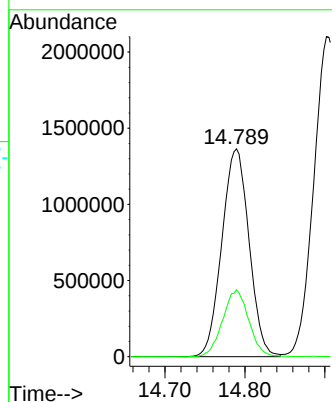
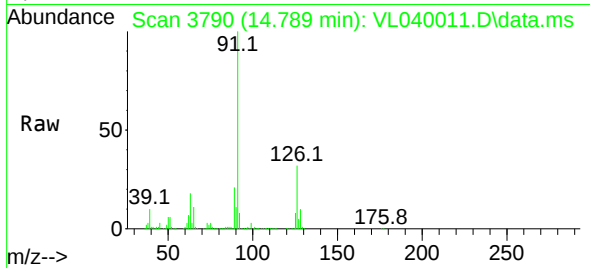




#71
2-Chlorotoluene
Concen: 10.067 ppbv
RT: 14.789 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

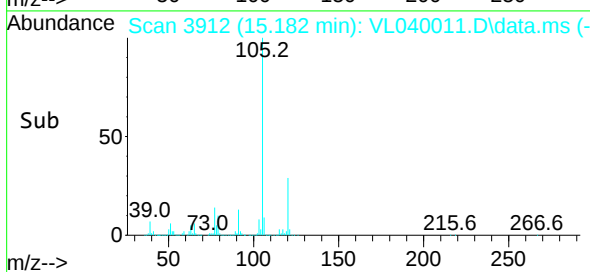
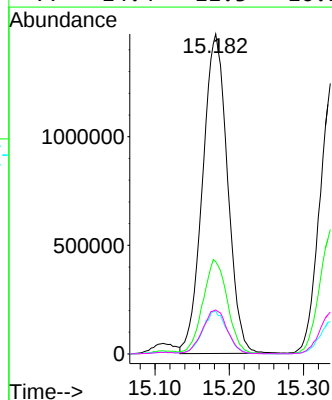
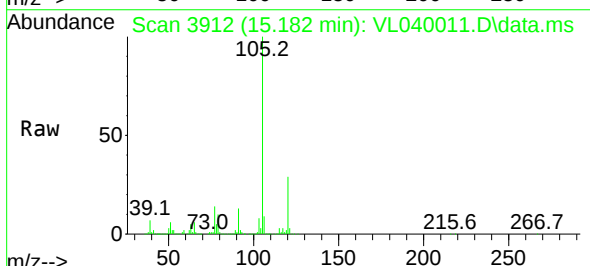
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

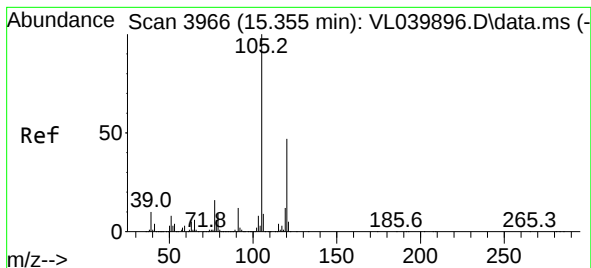
Tgt Ion: 91 Resp: 3222310
Ion Ratio Lower Upper
91 100
126 31.0 12.8 51.0



#72
4-Ethyltoluene
Concen: 10.381 ppbv
RT: 15.182 min Scan# 3912
Delta R.T. 0.019 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion: 105 Resp: 3417339
Ion Ratio Lower Upper
105 100
120 29.4 24.5 36.7
91 13.2 10.4 15.6
77 14.4 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.994 ppbv

RT: 15.339 min Scan# 3966

Delta R.T. 0.019 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

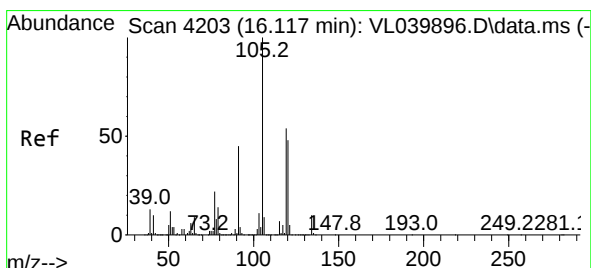
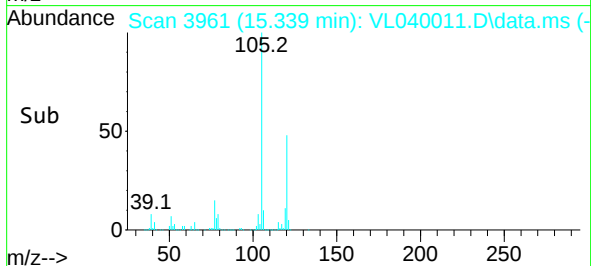
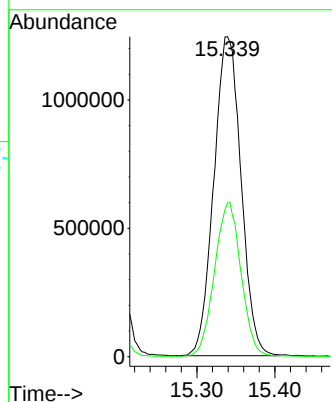
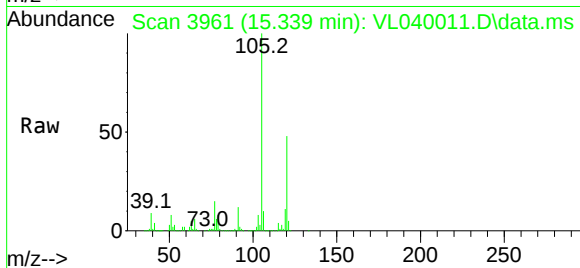
VL1213ABS01

Tgt Ion:105 Resp: 3011550

Ion Ratio Lower Upper

105 100

120 48.1 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 10.053 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. 0.023 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Tgt Ion:105 Resp: 3207322

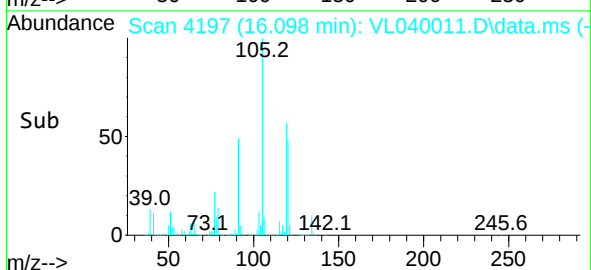
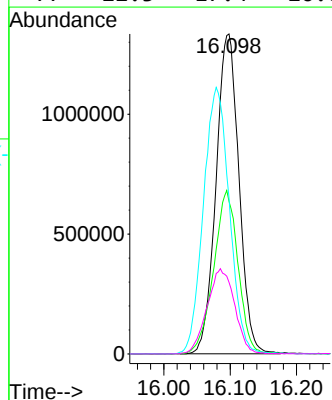
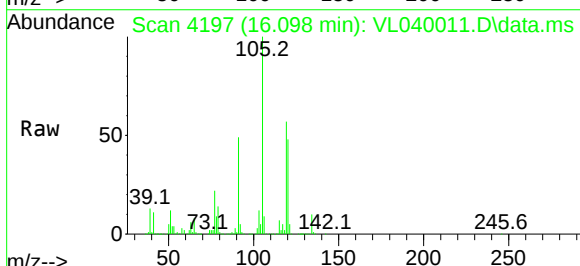
Ion Ratio Lower Upper

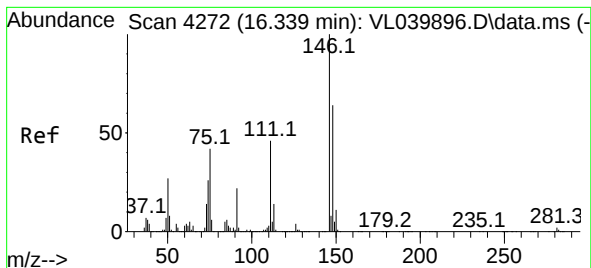
105 100

120 47.6 38.7 58.1

91 48.6 36.4 54.6

77 22.3 17.4 26.0





#75

1,3-Dichlorobenzene

Concen: 10.225 ppbv

RT: 16.317 min Scan# 4311

Delta R.T. 0.016 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

VL1213ABS01

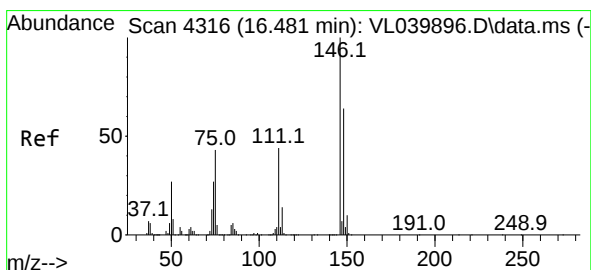
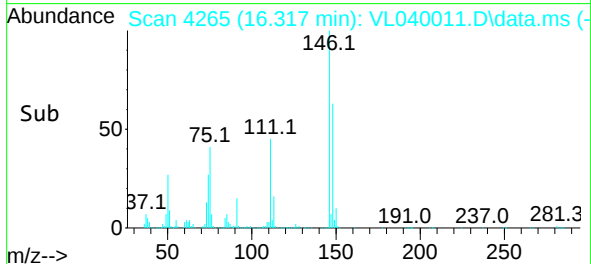
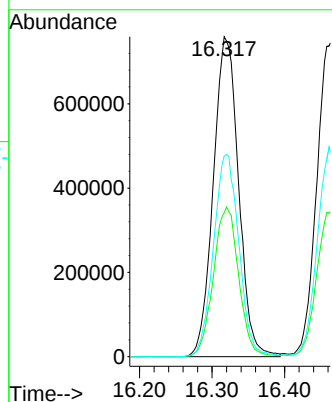
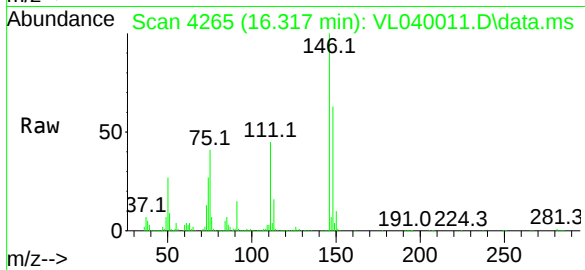
Tgt Ion:146 Resp: 1835437

Ion Ratio Lower Upper

146 100

111 46.8 23.3 69.9

148 63.8 32.2 96.6



#76

1,4-Dichlorobenzene

Concen: 9.880 ppbv

RT: 16.465 min Scan# 4311

Delta R.T. 0.026 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

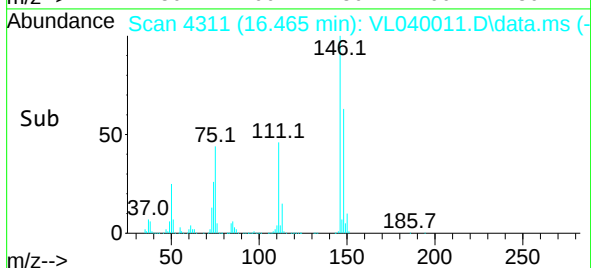
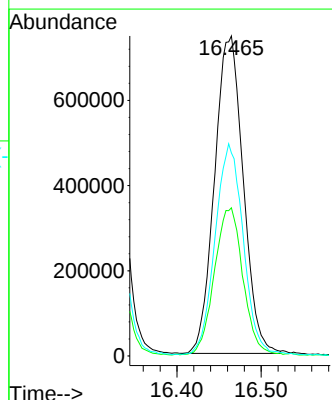
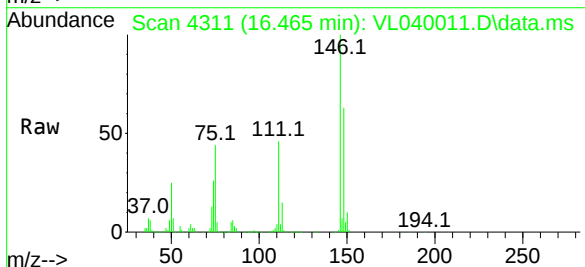
Tgt Ion:146 Resp: 1758125

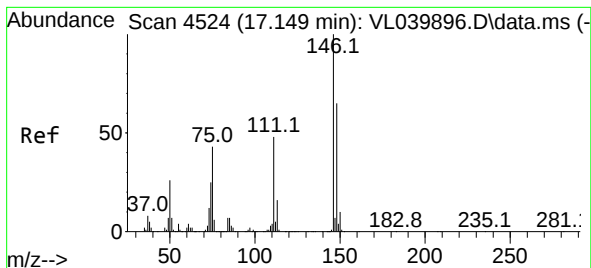
Ion Ratio Lower Upper

146 100

111 47.6 22.4 67.3

148 66.9 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 9.994 ppbv

RT: 17.130 min Scan# 41

Delta R.T. 0.019 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

Instrument :

MSVOA_L

ClientSampleId :

VL1213ABS01

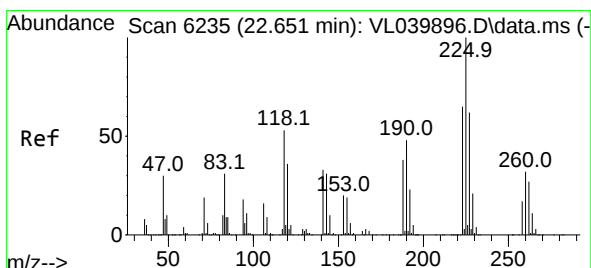
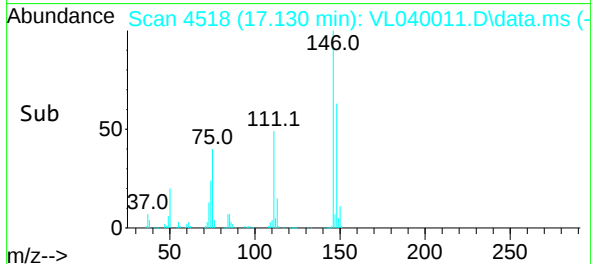
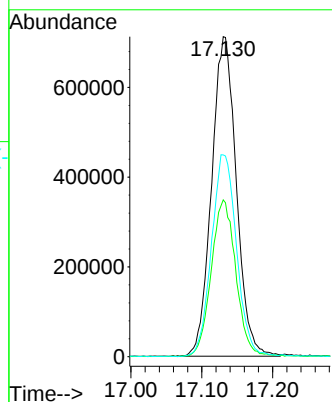
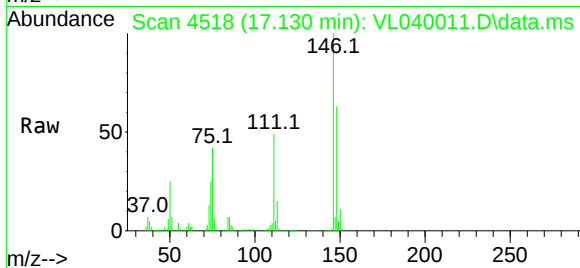
Tgt Ion:146 Resp: 1729405

Ion Ratio Lower Upper

146 100

111 48.9 24.1 72.3

148 64.7 32.4 97.2



#78

Hexachloro-1,3-Butadiene

Concen: 3.755 ppbv

RT: 22.625 min Scan# 6227

Delta R.T. 0.026 min

Lab File: VL040011.D

Acq: 13 Dec 2022 18:14

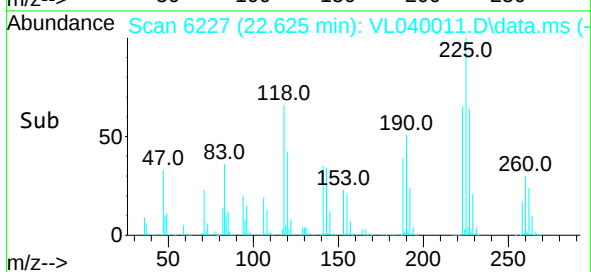
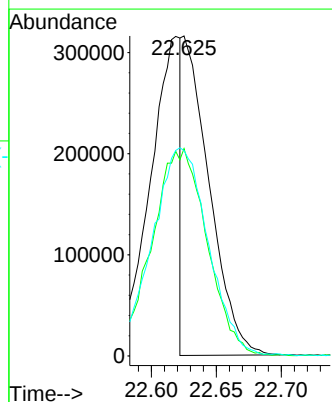
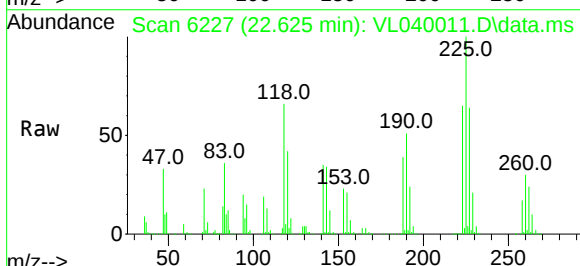
Tgt Ion:225 Resp: 450929

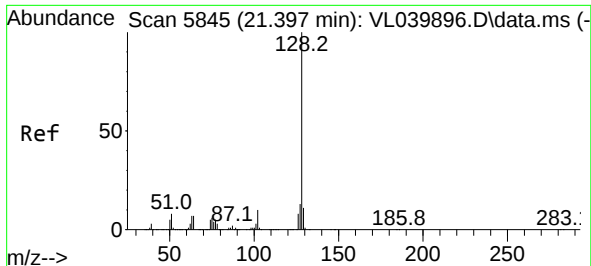
Ion Ratio Lower Upper

225 100

223 136.6 50.7 76.1#

227 138.8 50.8 76.2#

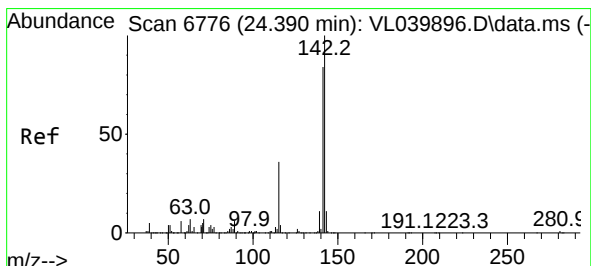
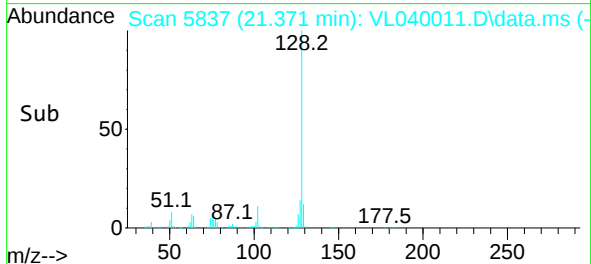
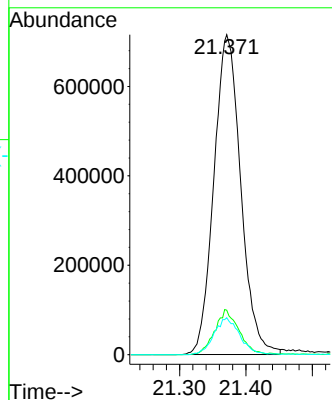
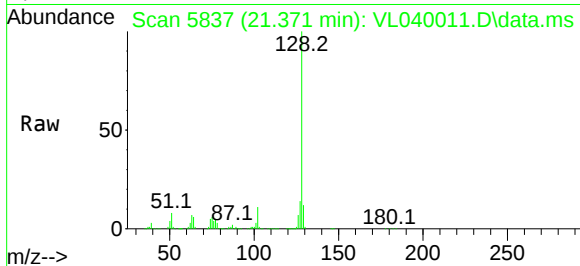




#79
Naphthalene
Concen: 10.540 ppbv
RT: 21.371 min Scan# 5845
Delta R.T. 0.023 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

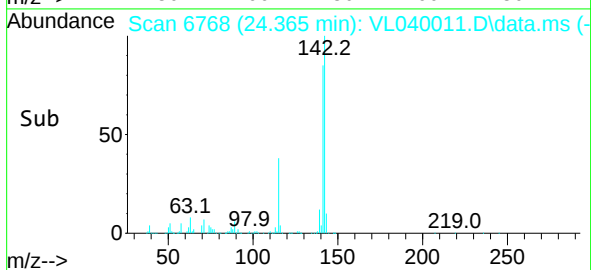
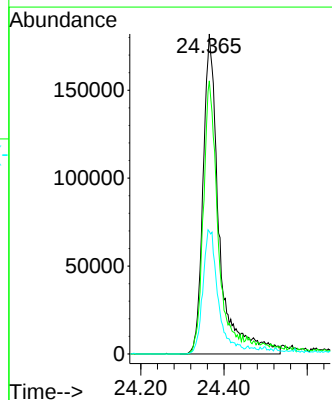
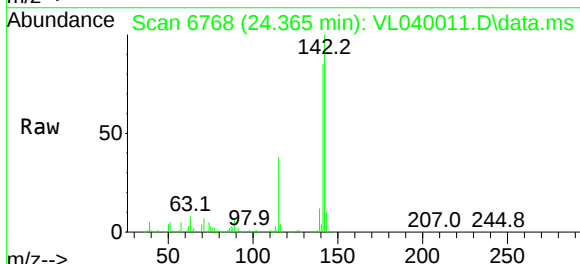
Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

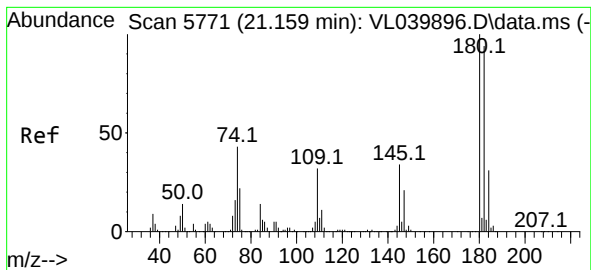
Tgt Ion:128 Resp: 2012500
Ion Ratio Lower Upper
128 100
127 13.9 10.0 15.0
129 11.6 8.8 13.2



#80
Naphthalene,2-methyl-
Concen: 9.124 ppbv
RT: 24.365 min Scan# 6768
Delta R.T. 0.016 min
Lab File: VL040011.D
Acq: 13 Dec 2022 18:14

Tgt Ion:142 Resp: 489961
Ion Ratio Lower Upper
142 100
141 80.7 69.1 103.7
115 38.4 29.6 44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.363 ppbv
 RT: 21.127 min Scan# 51
 Delta R.T. 0.019 min
 Lab File: VL040011.D
 Acq: 13 Dec 2022 18:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1213ABS01

Tgt Ion:180 Resp: 1103978
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.0 115.6
 184 31.3 25.2 37.8

