

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040914.D
 Acq On : 20 Dec 2023 11:07
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 21 07:07:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:06:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1310090	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3229260	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	3741713	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	2284220	8.288	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	2239293	8.974	ppbv	100
3) Chlorodifluoromethane	2.671	51	1762679	8.941	ppbv	100
4) Chloromethane	2.809	50	651053	8.956	ppbv	100
5) Vinyl Chloride	2.915	62	660091	9.758	ppbv	100
6) Bromomethane	3.115	94	293396	9.440	ppbv	100
7) Chloroethane	3.192	64	228961	9.152	ppbv	100
8) Dichlorotetrafluoroethane	2.854	85	1630275	9.067	ppbv	100
9) Propene	2.690	41	614121	9.441	ppbv	100
10) Heptane	7.558	43	1527542	9.447	ppbv	100
11) Trichlorofluoromethane	3.552	101	1794921	9.200	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.053	101	1300145	8.582	ppbv	100
13) Ethanol	3.230	45	123591	8.502	ppbv	94
14) Bromoethene	3.359	108	519428	9.354	ppbv	100
15) Acetone	3.459	43	1247217	7.938	ppbv	100
16) 1,3-Butadiene	2.980	39	641901	9.488	ppbv	100
17) tert-Butyl alcohol	3.867	59	1099210	9.457	ppbv	100
18) 1,1-Dichloroethene	3.870	96	561368	8.974	ppbv	100
19) Isopropyl Alcohol	3.568	45	742306	8.936	ppbv	100
20) Methylene Chloride	3.922	84	474833	8.390	ppbv	100
21) Allyl Chloride	3.986	41	868035	9.346	ppbv	100
22) trans-1,2-Dichloroethene	4.433	96	717215	9.949	ppbv	100
23) Vinyl Acetate	4.610	43	1834958	10.333	ppbv	100
24) 1,1-Dichloroethane	4.549	63	1481600	9.556	ppbv	100
25) Ethyl Acetate	5.185	43	2602268	9.558	ppbv	100
26) Hexane	5.198	57	1122301	9.235	ppbv	100
27) Carbon Disulfide	4.111	76	1432532	8.772	ppbv	100
28) Methyl tert-Butyl Ether	4.568	73	1092960	9.761	ppbv	100
29) Chloroform	5.256	83	1880711	9.236	ppbv	100
30) Cyclohexane	6.581	84	960775	9.551	ppbv	100
31) cis-1,2-Dichloroethene	5.063	61	1192729	9.623	ppbv	100
32) 1,1,1-Trichloroethane	5.983	97	1862090	9.598	ppbv	100
34) 2-Butanone	4.767	43	1662461	9.732	ppbv	100
35) Carbon Tetrachloride	6.471	117	1994229	9.822	ppbv	100
36) Benzene	6.349	78	2395149	9.488	ppbv	100
37) 1,2-Dichloroethane	5.787	62	1452517	9.603	ppbv	100
38) Trichloroethene	7.269	130	902630	9.296	ppbv	100
39) 1,2-Dichloropropane	7.050	63	936297	9.412	ppbv	100
40) 1,4-Dioxane	7.262	88	374550	9.099	ppbv	100
41) Tetrahydrofuran	5.536	42	1006591	9.709	ppbv	100
42) Bromodichloromethane	7.227	83	2092775	9.593	ppbv	100
43) Methyl Methacrylate	7.452	69	1005270	10.213	ppbv	100
44) 2,2,4-Trimethylpentane	7.304	57	3944486	9.199	ppbv	100
45) t-1,3-Dichloropropene	8.684	75	820411	11.240	ppbv	100

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

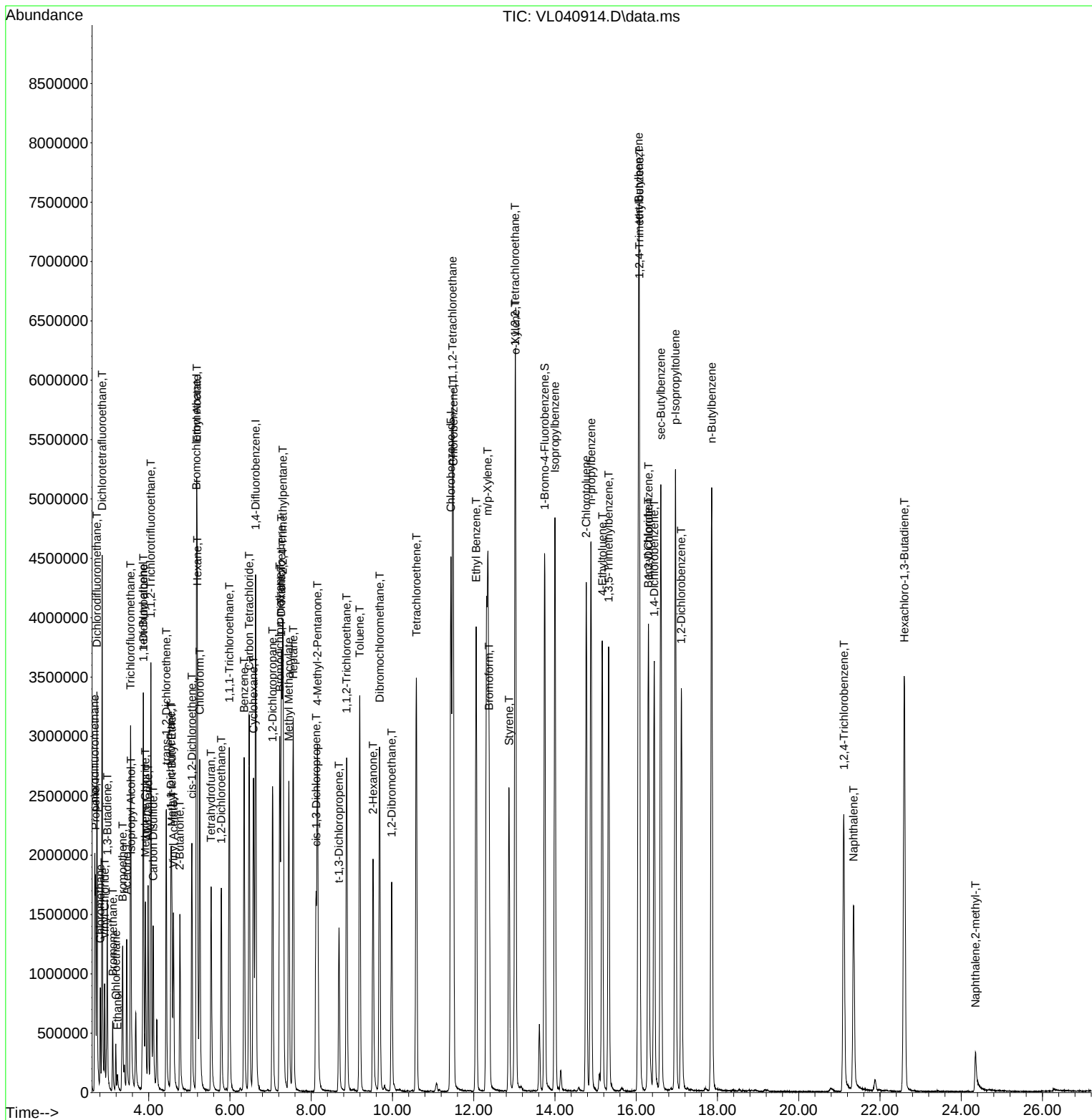
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 ClientSampleId :

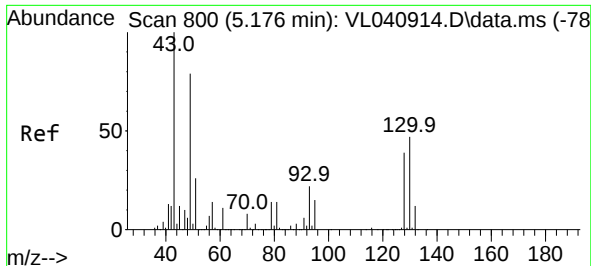
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:06:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	943993	10.385	ppbv	100
47) 1,1,2-Trichloroethane	8.873	97	987751	9.279	ppbv	100
48) Dibromochloromethane	9.683	129	1771818	9.857	ppbv	100
49) Bromoform	12.381	173	1423200	10.232	ppbv	100
50) 4-Methyl-2-Pentanone	8.156	43	2517427	9.708	ppbv	100
51) 2-Hexanone	9.523	43	1887927	10.121	ppbv	100
52) Tetrachloroethene	10.590	164	826416	9.708	ppbv	100
53) Toluene	9.192	91	2720476	9.645	ppbv	100
54) 1,2-Dibromoethane	9.982	107	1457889	10.031	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.481	131	1265354	7.733	ppbv	100
57) Chlorobenzene	11.500	112	2081351	7.537	ppbv	100
58) Ethyl Benzene	12.060	91	3707057	7.711	ppbv	100
59) m/p-Xylene	12.343	91	3289129	8.045	ppbv #	100
60) o-Xylene	13.031	91	2950011	7.659	ppbv	100
61) Styrene	12.870	104	1564688	8.516	ppbv	100
62) Isopropylbenzene	14.002	105	4320899	7.565	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.018	83	2147264	7.764	ppbv	100
64) n-propylbenzene	14.889	120	1130424	7.842	ppbv	100
65) tert-Butylbenzene	16.059	119	3772799	7.649	ppbv	100
66) Benzyl Chloride	16.297	91	320888	9.599	ppbv	100
67) sec-Butylbenzene	16.606	105	5315744	7.534	ppbv	100
69) p-Isopropyltoluene	16.966	119	4329016	7.902	ppbv	100
70) n-Butylbenzene	17.857	91	4520949	7.942	ppbv	100
71) 2-Chlorotoluene	14.770	91	3381703	7.690	ppbv	100
72) 4-Ethyltoluene	15.166	105	3420878	8.092	ppbv	100
73) 1,3,5-Trimethylbenzene	15.320	105	2947911	8.080	ppbv	100
74) 1,2,4-Trimethylbenzene	16.079	105	3227089	7.947	ppbv	100
75) 1,3-Dichlorobenzene	16.301	146	1838907	7.902	ppbv	100
76) 1,4-Dichlorobenzene	16.445	146	1785248	7.856	ppbv	100
77) 1,2-Dichlorobenzene	17.111	146	1769715	7.884	ppbv	100
78) Hexachloro-1,3-Butadiene	22.603	225	951308	6.831	ppbv	100
79) Naphthalene	21.352	128	2004860	10.557	ppbv	100
80) Naphthalene,2-methyl-	24.352	142	318132	9.583	ppbv	100
81) 1,2,4-Trichlorobenzene	21.111	180	1034411	9.088	ppbv	100

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

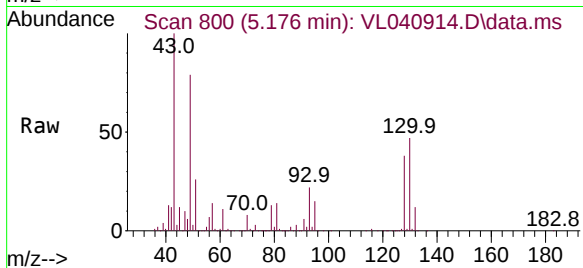
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 21 07:06:17 2023
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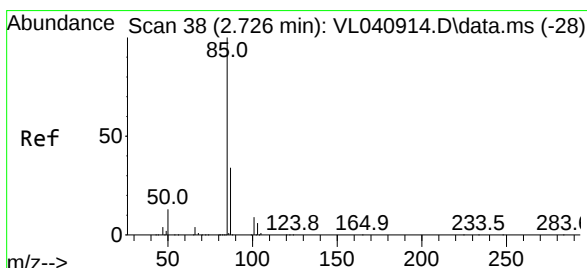
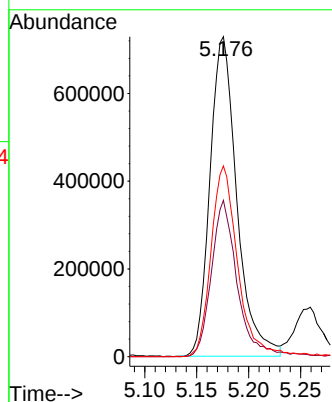
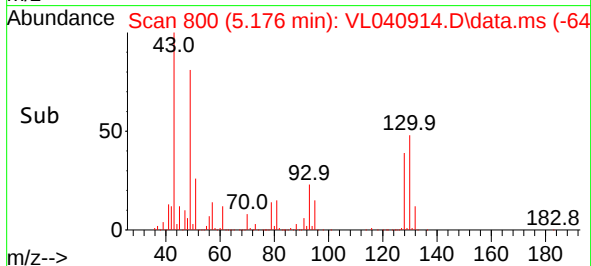


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 800
Delta R.T. -0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Instrument :
MSVOA_L
ClientSampleId :

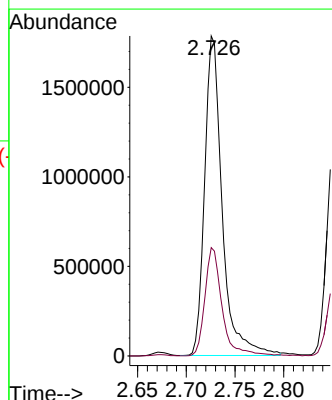
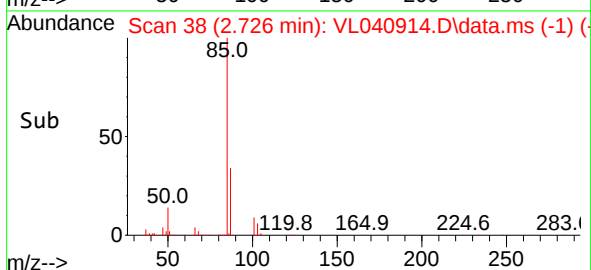
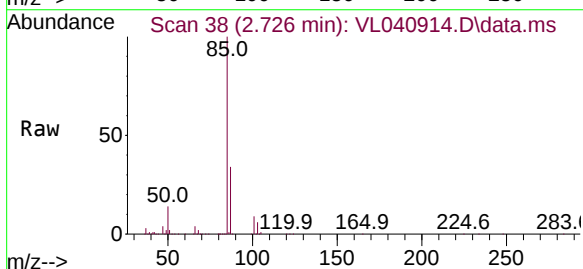


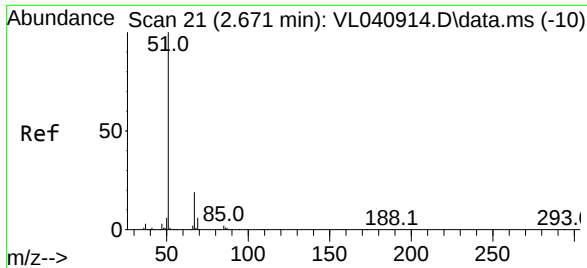
Tgt Ion: 49 Resp: 1310090
Ion Ratio Lower Upper
49 100
128 47.5 23.8 71.2
130 60.3 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 8.974 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 85 Resp: 2239293
Ion Ratio Lower Upper
85 100
87 33.8 27.0 40.6

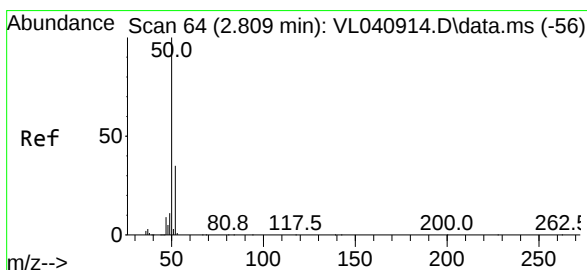
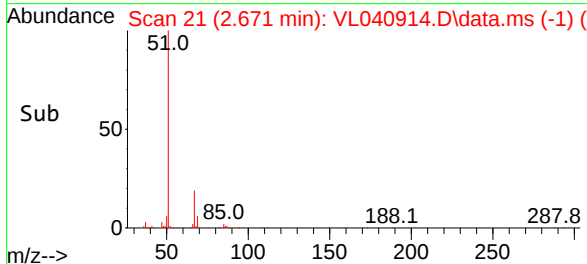
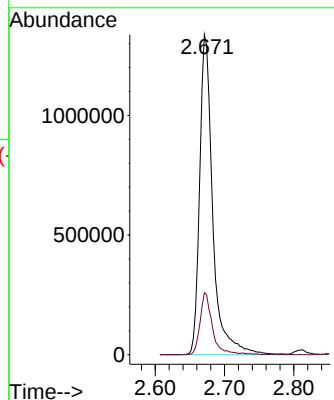
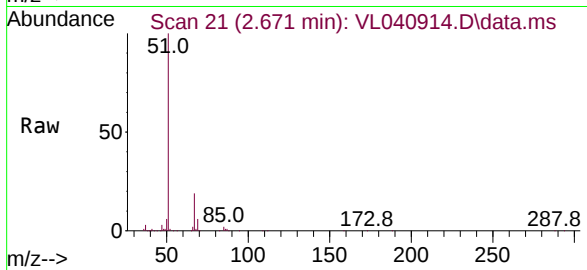




#3
Chlorodifluoromethane
Concen: 8.941 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

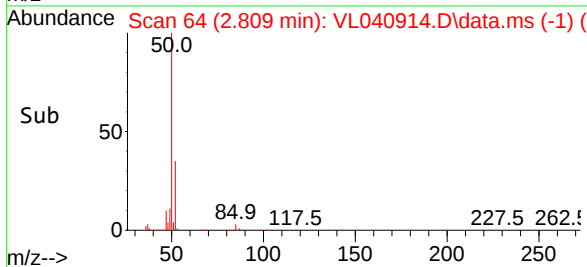
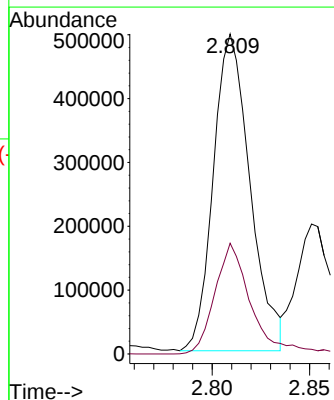
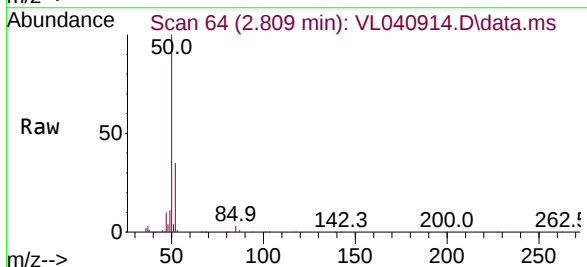
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ClientSampleId :

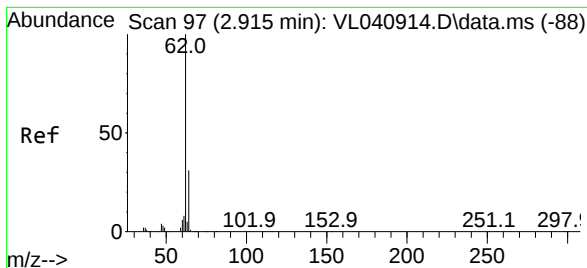
Tgt Ion: 51 Resp: 1762679
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1



#4
Chloromethane
Concen: 8.956 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 50 Resp: 651053
Ion Ratio Lower Upper
50 100
52 35.0 28.0 42.0

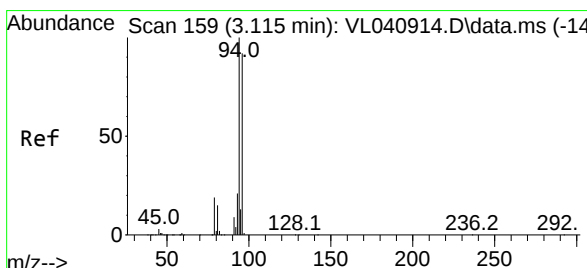
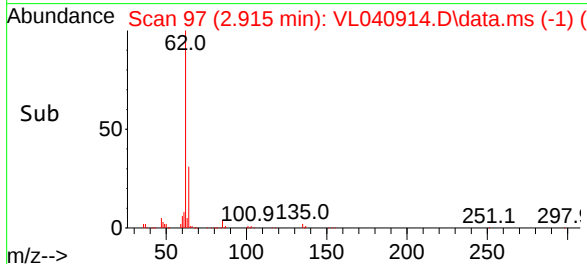
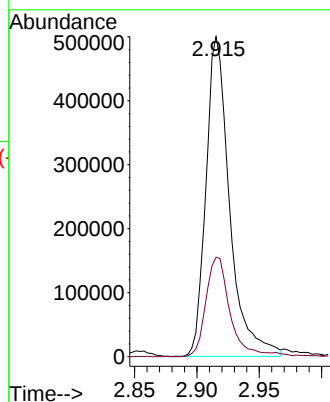
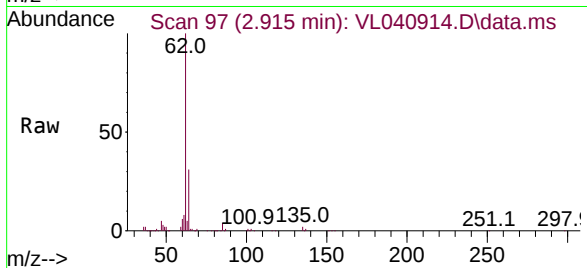




#5
Vinyl Chloride
Concen: 9.758 ppbv
RT: 2.915 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

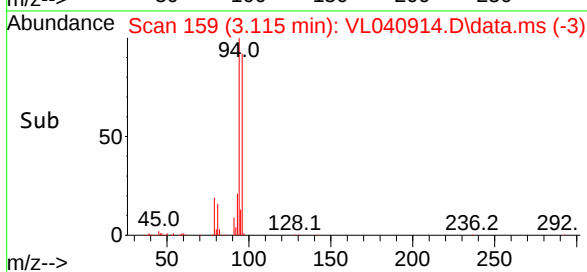
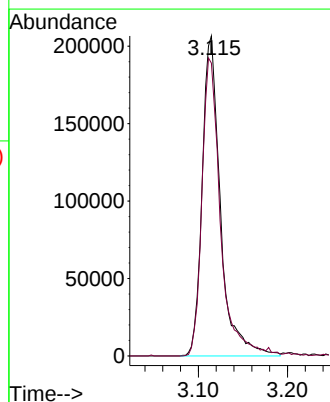
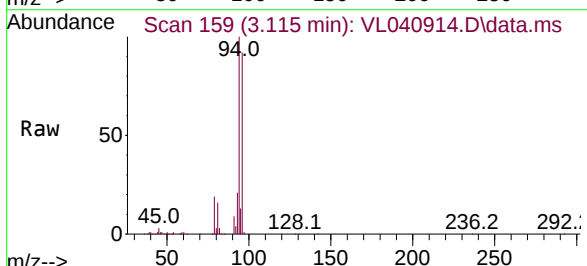
Instrument :
MSVOA_L
ClientSampleId :

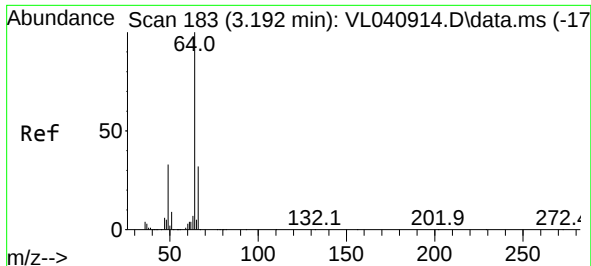
Tgt Ion: 62 Resp: 660091
Ion Ratio Lower Upper
62 100
64 31.1 24.9 37.3



#6
Bromomethane
Concen: 9.440 ppbv
RT: 3.115 min Scan# 159
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

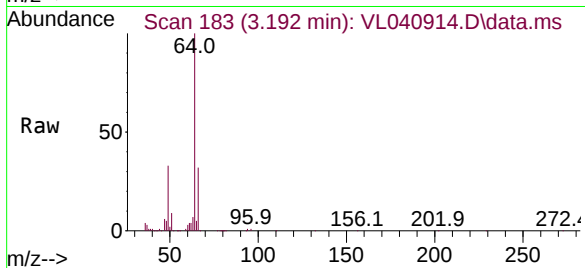
Tgt Ion: 94 Resp: 293396
Ion Ratio Lower Upper
94 100
96 91.5 73.2 109.8



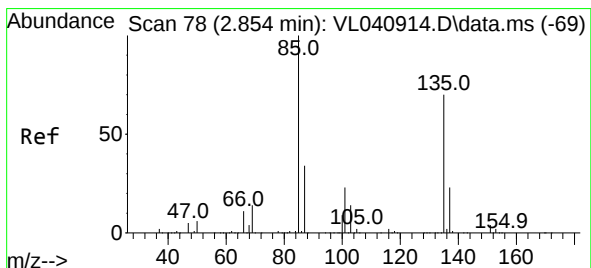
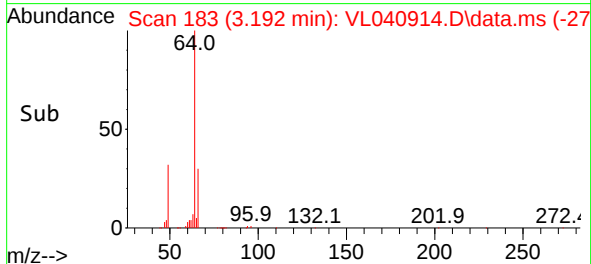
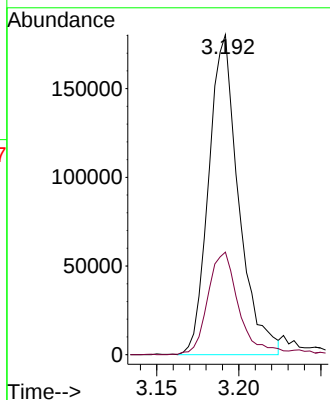


#7
Chloroethane
Concen: 9.152 ppbv
RT: 3.192 min Scan# 183
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Instrument :
MSVOA_L
ClientSampleId :

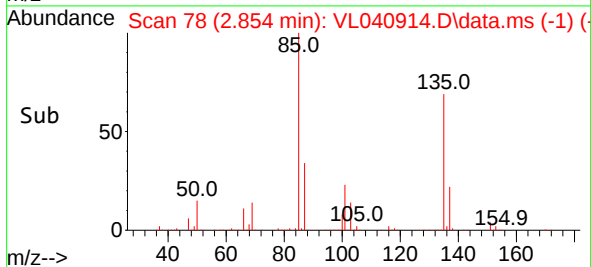
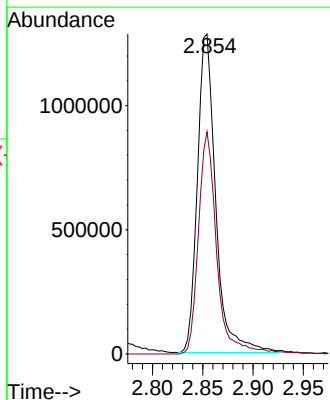
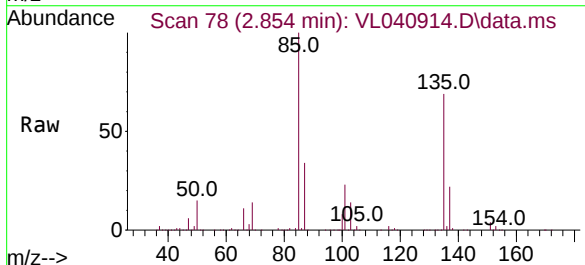


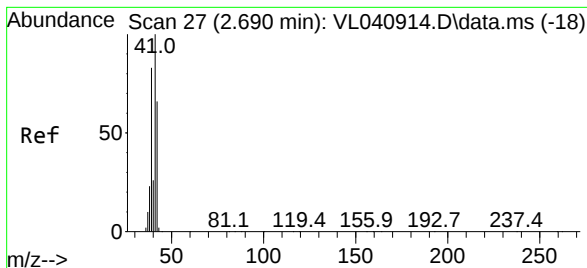
Tgt Ion: 64 Resp: 228961
Ion Ratio Lower Upper
64 100
66 32.1 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 9.067 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 85 Resp: 1630275
Ion Ratio Lower Upper
85 100
135 69.8 55.8 83.8





#9

Propene

Concen: 9.441 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

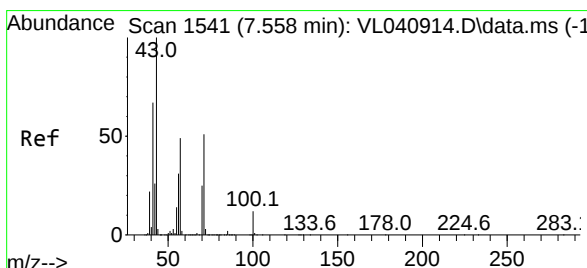
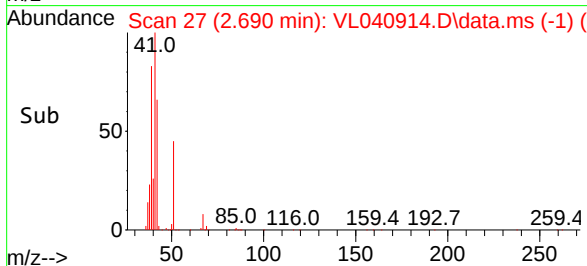
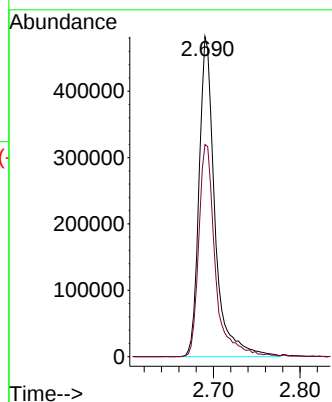
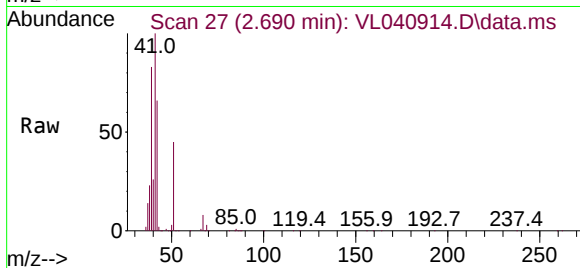
ClientSampleId :

Tgt Ion: 41 Resp: 614121

Ion Ratio Lower Upper

41 100

42 69.7 55.8 83.6



#10

Heptane

Concen: 9.447 ppbv

RT: 7.558 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VL040914.D

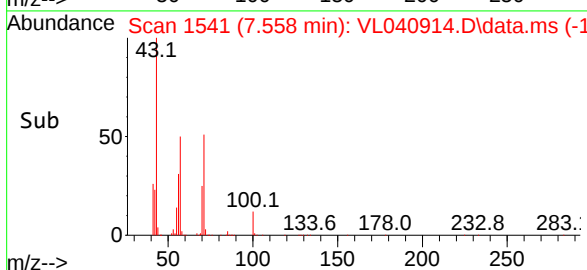
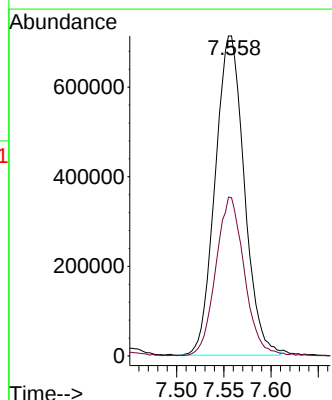
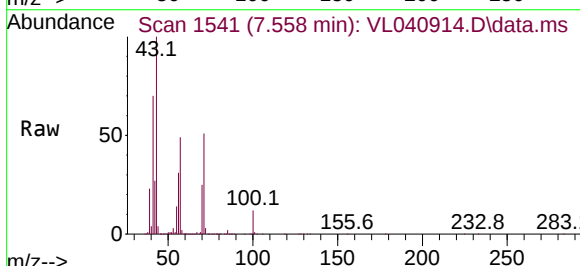
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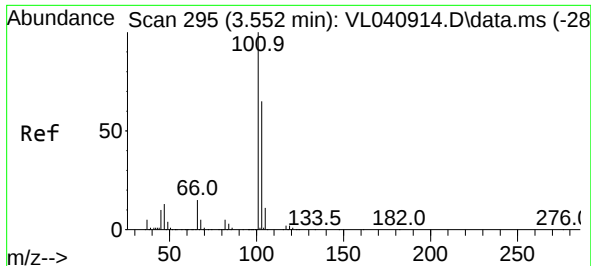
Tgt Ion: 43 Resp: 1527542

Ion Ratio Lower Upper

43 100

57 49.1 39.3 58.9

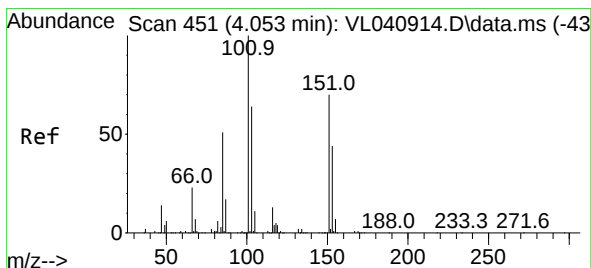
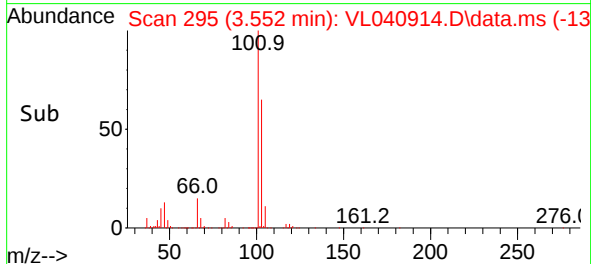
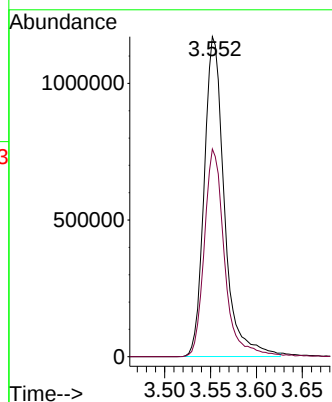
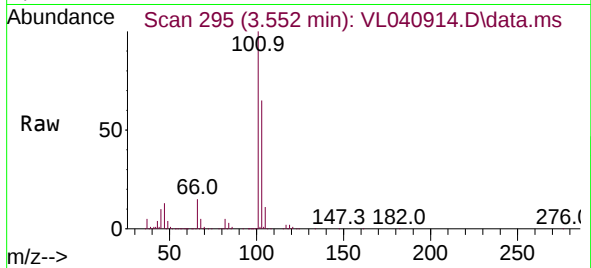




#11
 Trichlorofluoromethane
 Concen: 9.200 ppbv
 RT: 3.552 min Scan# 295
 Delta R.T. 0.000 min
 Lab File: VL040914.D
 Acq: 20 Dec 2023 11:07

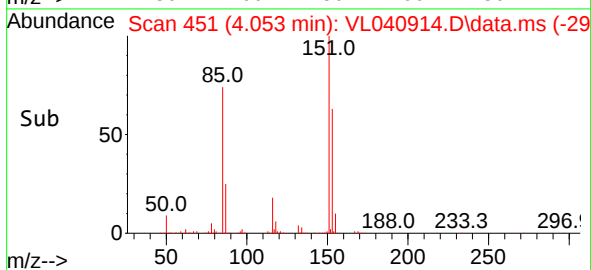
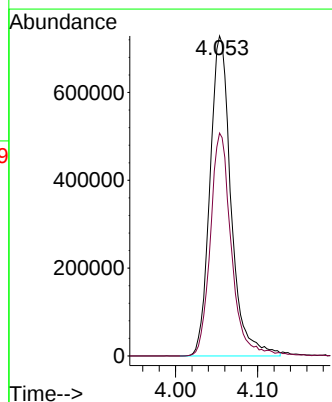
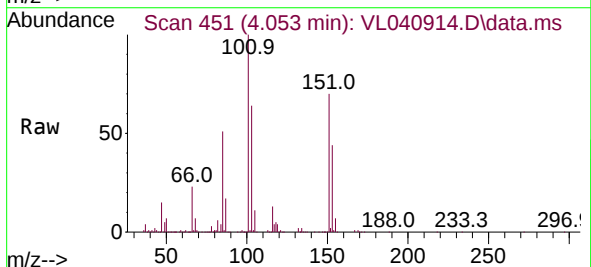
Instrument :
 MSVOA_L
 ClientSampleId :

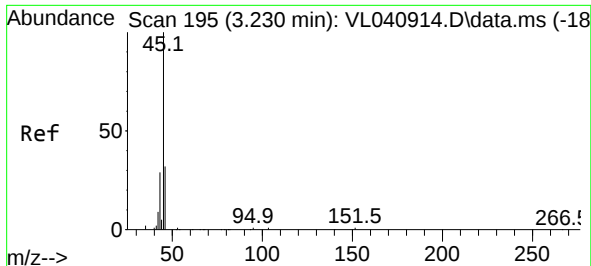
Tgt Ion:101 Resp: 1794921
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.582 ppbv
 RT: 4.053 min Scan# 451
 Delta R.T. 0.000 min
 Lab File: VL040914.D
 Acq: 20 Dec 2023 11:07

Tgt Ion:101 Resp: 1300145
 Ion Ratio Lower Upper
 101 100
 151 69.8 55.8 83.8

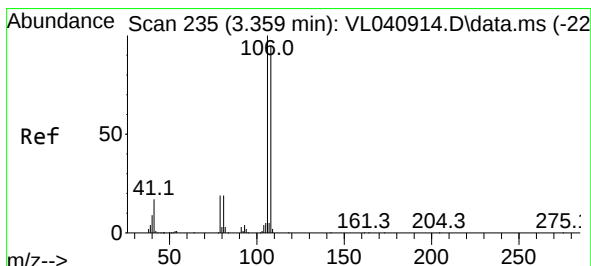
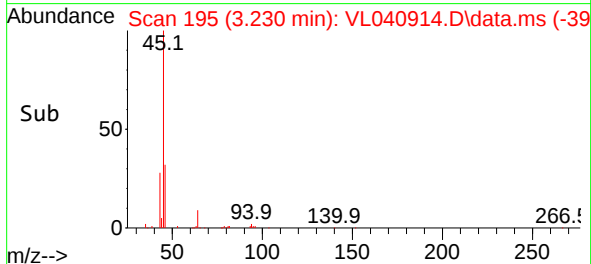
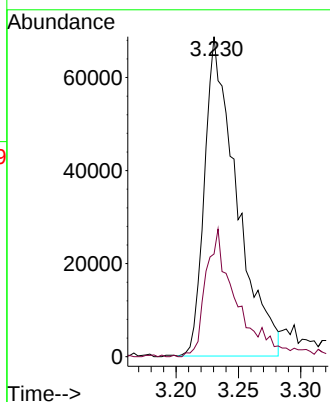
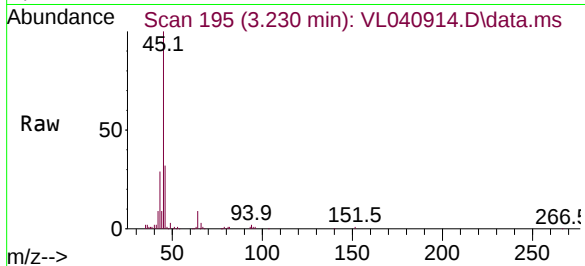




#13
Ethanol
Concen: 8.502 ppbv
RT: 3.230 min Scan# 195
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

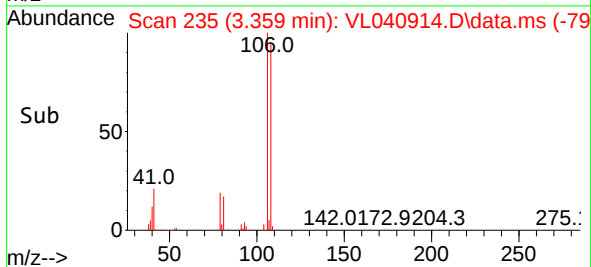
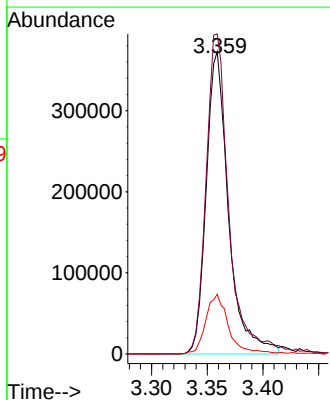
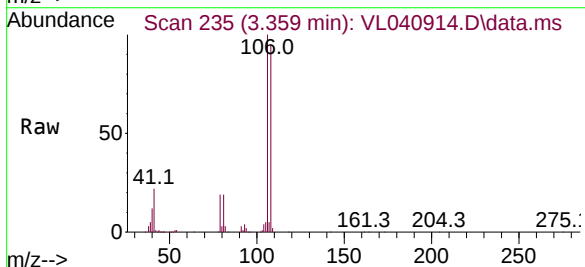
Instrument :
MSVOA_L
ClientSampleId :

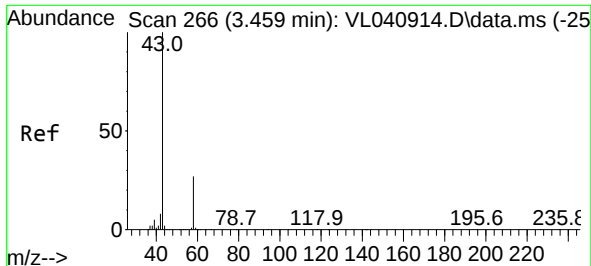
Tgt Ion: 45 Resp: 123591
Ion Ratio Lower Upper
45 100
46 41.0 15.0 60.0



#14
Bromoethene
Concen: 9.354 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 108 Resp: 519428
Ion Ratio Lower Upper
108 100
106 109.4 87.5 131.3
79 20.7 16.6 24.8

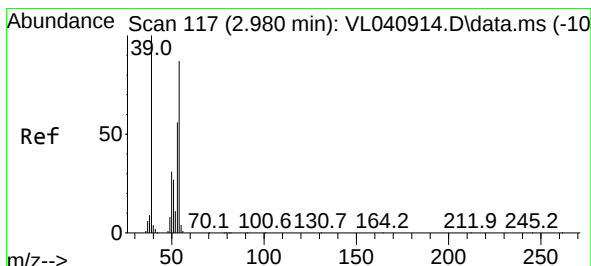
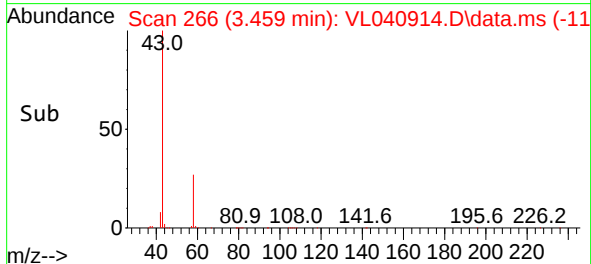
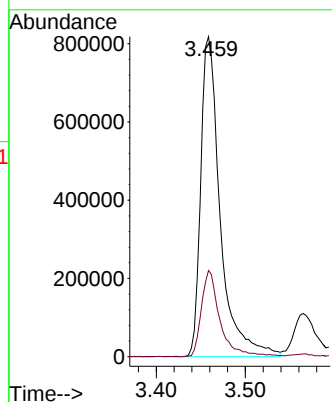
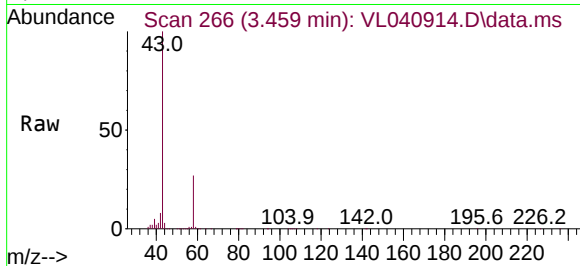




#15
Acetone
Concen: 7.938 ppbv
RT: 3.459 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

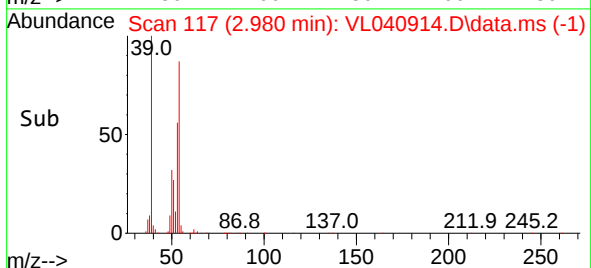
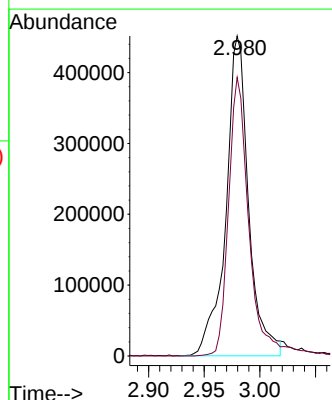
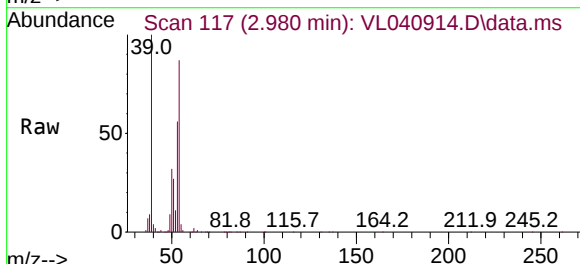
Instrument :
MSVOA_L
ClientSampleId :

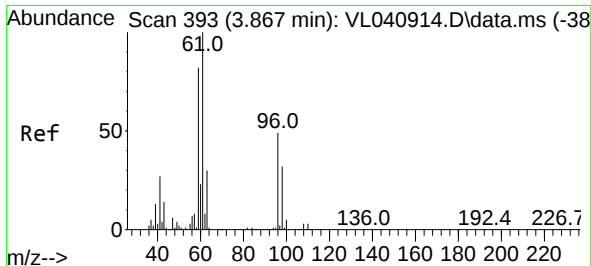
Tgt Ion: 43 Resp: 1247217
Ion Ratio Lower Upper
43 100
58 25.7 20.6 30.8



#16
1,3-Butadiene
Concen: 9.488 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 39 Resp: 641901
Ion Ratio Lower Upper
39 100
54 79.7 63.8 95.6





#17

tert-Butyl alcohol

Concen: 9.457 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

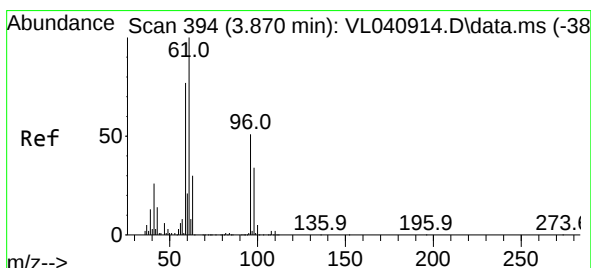
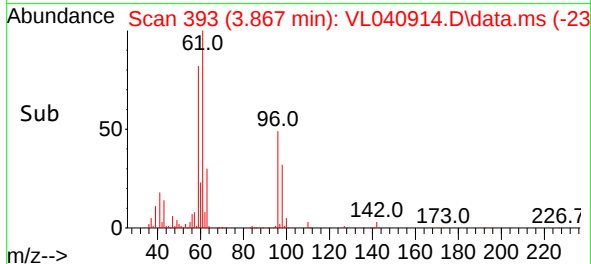
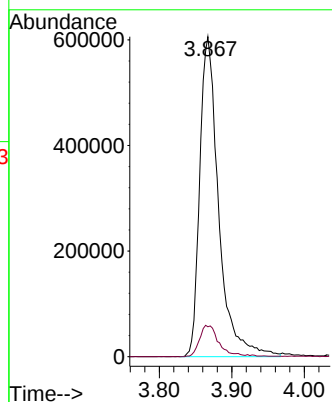
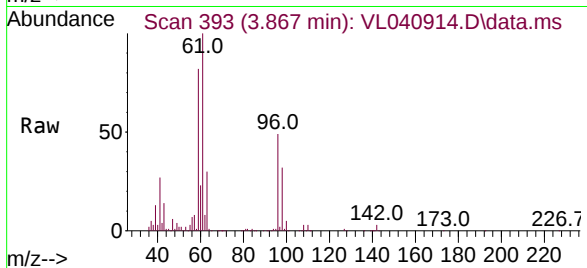
ClientSampleId :

Tgt Ion: 59 Resp: 1099210

Ion Ratio Lower Upper

59 100

57 10.4 8.3 12.5



#18

1,1-Dichloroethene

Concen: 8.974 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

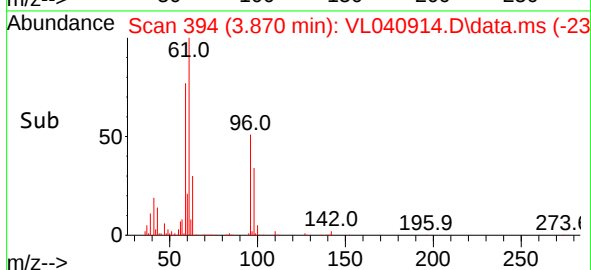
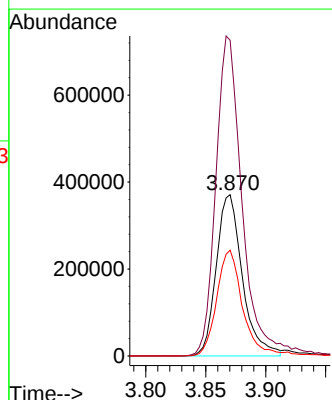
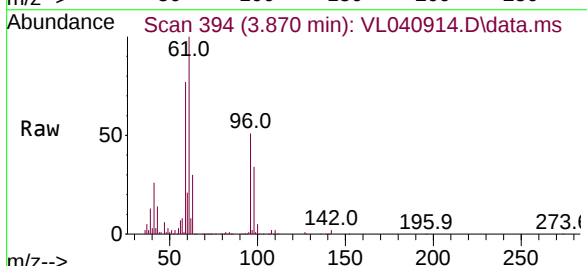
Tgt Ion: 96 Resp: 561368

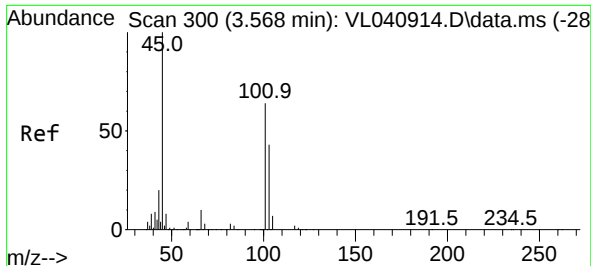
Ion Ratio Lower Upper

96 100

61 195.8 156.6 235.0

98 65.6 52.5 78.7





#19

Isopropyl Alcohol

Concen: 8.936 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

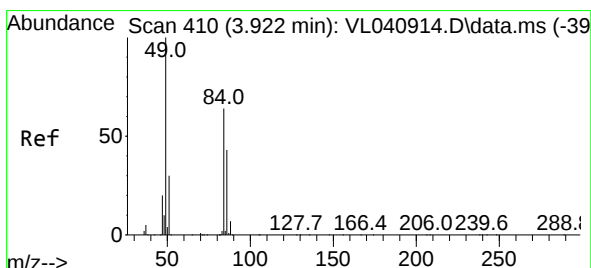
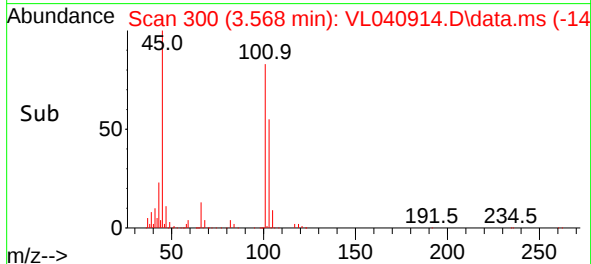
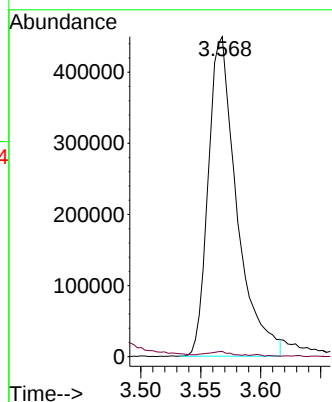
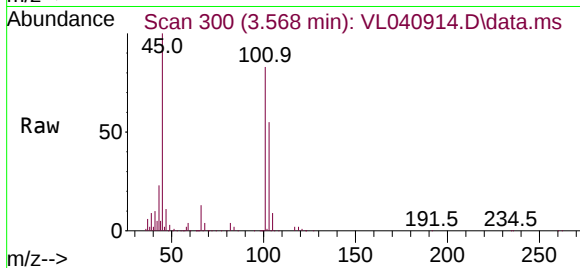
ClientSampleId :

Tgt Ion: 45 Resp: 742306

Ion Ratio Lower Upper

45 100

58 1.9 1.5 2.3



#20

Methylene Chloride

Concen: 8.390 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Tgt Ion: 84 Resp: 474833

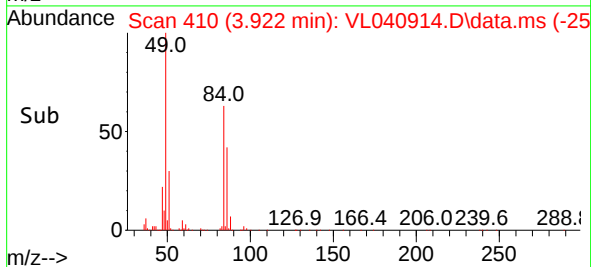
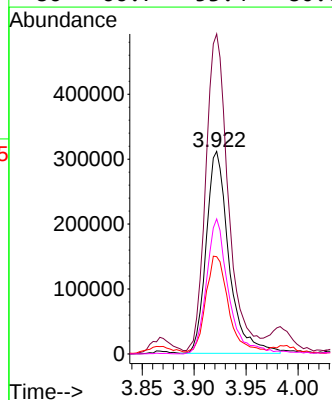
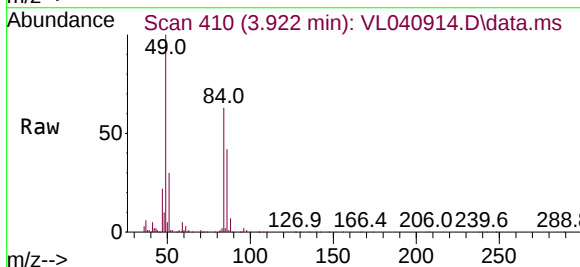
Ion Ratio Lower Upper

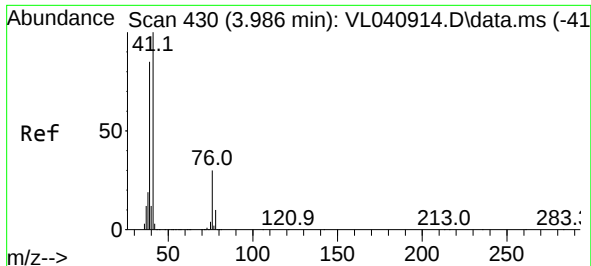
84 100

49 155.8 124.6 187.0

51 46.5 37.2 55.8

86 66.7 53.4 80.0





#21

Allyl Chloride

Concen: 9.346 ppbv

RT: 3.986 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

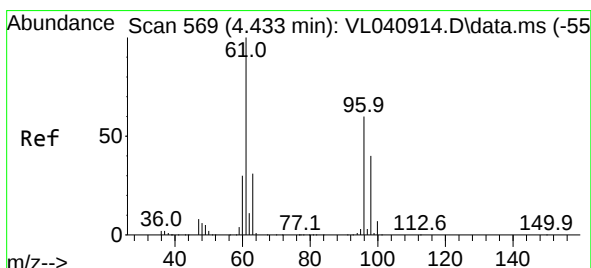
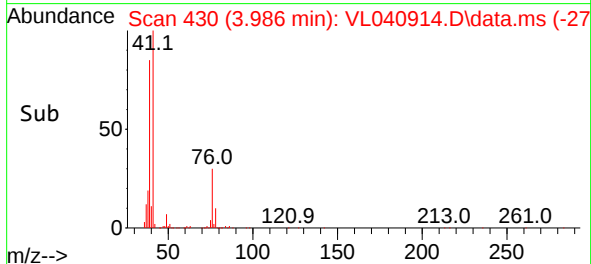
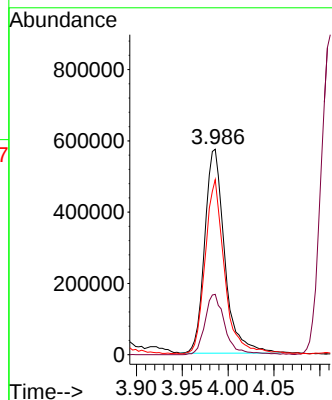
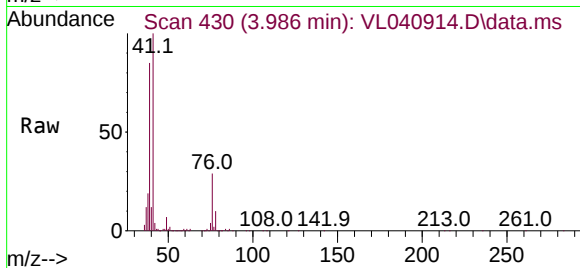
Tgt Ion: 41 Resp: 868035

Ion Ratio Lower Upper

41 100

76 29.9 23.9 35.9

39 83.1 66.5 99.7



#22

trans-1,2-Dichloroethene

Concen: 9.949 ppbv

RT: 4.433 min Scan# 569

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

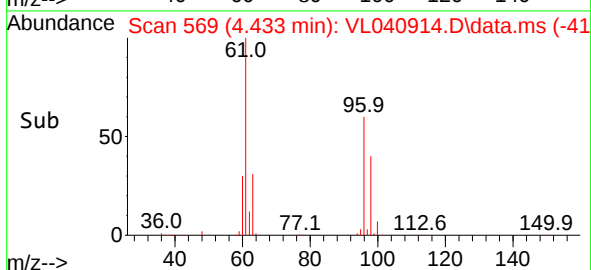
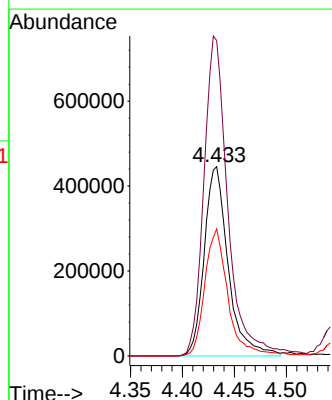
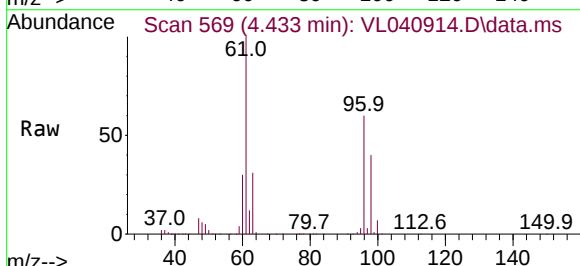
Tgt Ion: 96 Resp: 717215

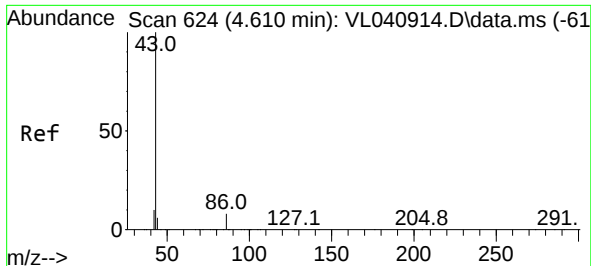
Ion Ratio Lower Upper

96 100

61 166.3 133.0 199.6

98 67.1 53.7 80.5



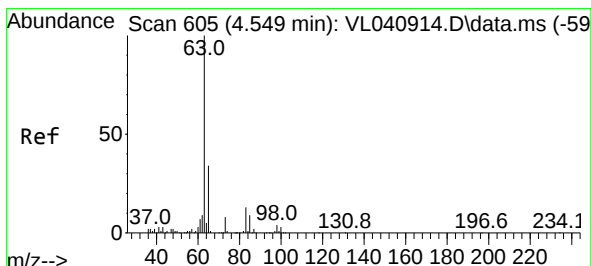
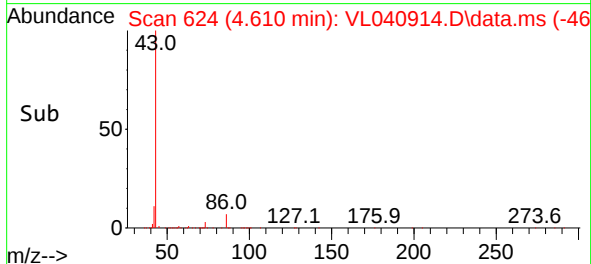
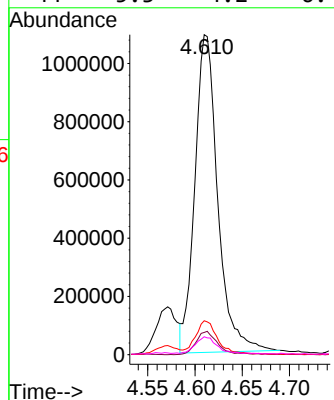
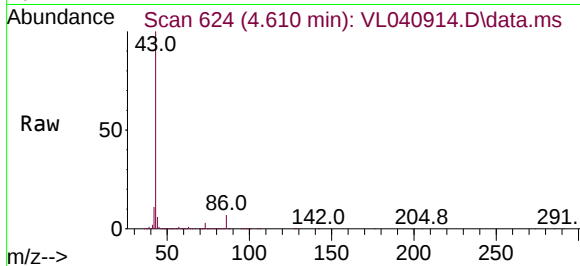


#23
 Vinyl Acetate
 Concen: 10.333 ppbv
 RT: 4.610 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL040914.D
 Acq: 20 Dec 2023 11:07

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 1834958

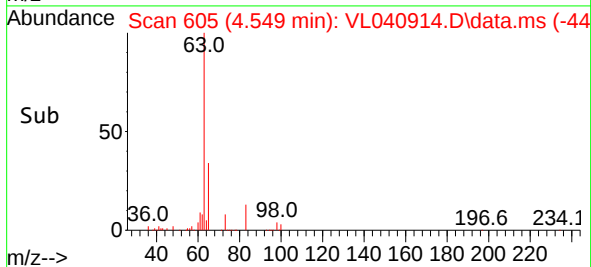
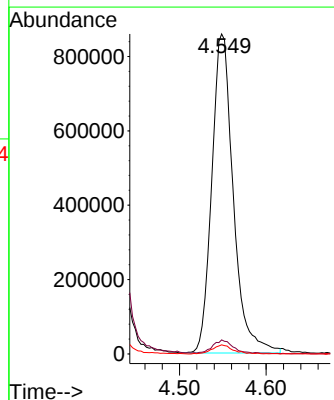
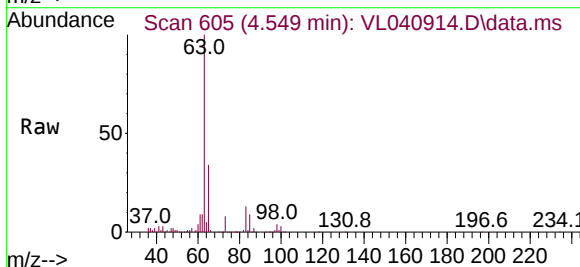
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.5	8.3
42	10.5	8.4	12.6
44	5.3	4.2	6.4

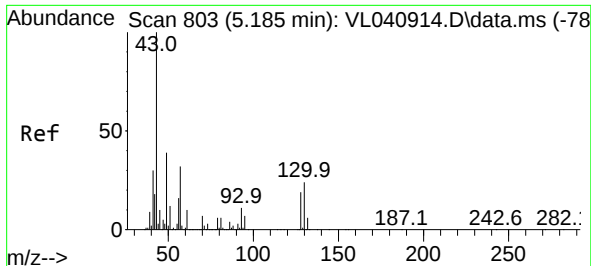


#24
 1,1-Dichloroethane
 Concen: 9.556 ppbv
 RT: 4.549 min Scan# 605
 Delta R.T. 0.000 min
 Lab File: VL040914.D
 Acq: 20 Dec 2023 11:07

Tgt Ion: 63 Resp: 1481600

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.8	1.4	4.2





#25

Ethyl Acetate

Concen: 9.558 ppbv

RT: 5.185 min Scan# 803

Delta R.T. 0.000 min

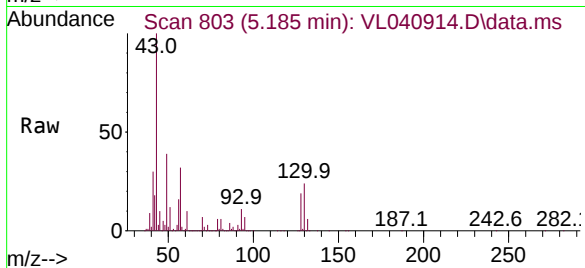
Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 2602268

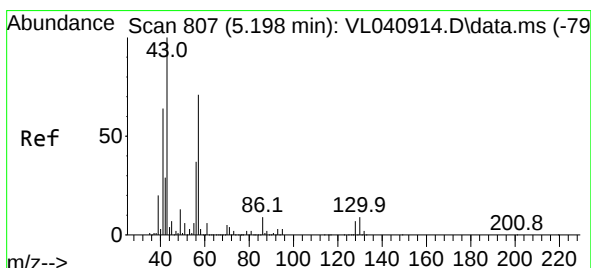
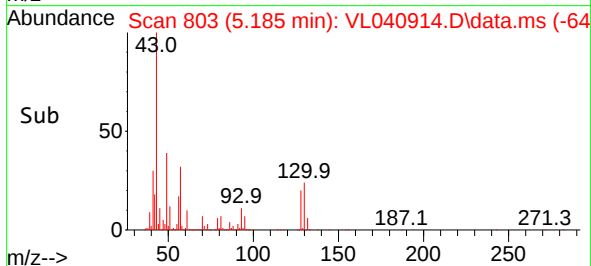
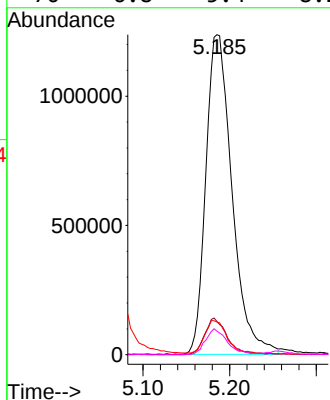
Ion Ratio Lower Upper

43 100

45 10.2 8.2 12.2

61 9.5 7.6 11.4

70 6.8 5.4 8.2



#26

Hexane

Concen: 9.235 ppbv

RT: 5.198 min Scan# 807

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Tgt Ion: 57 Resp: 1122301

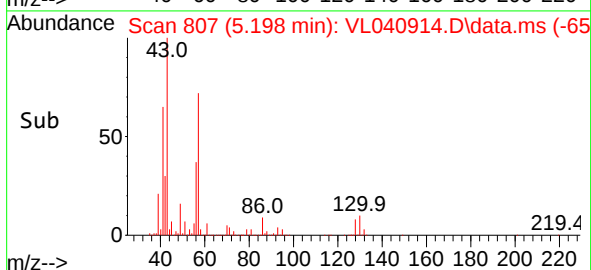
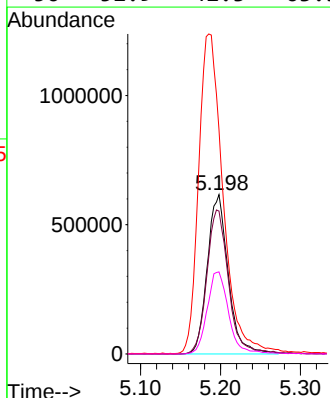
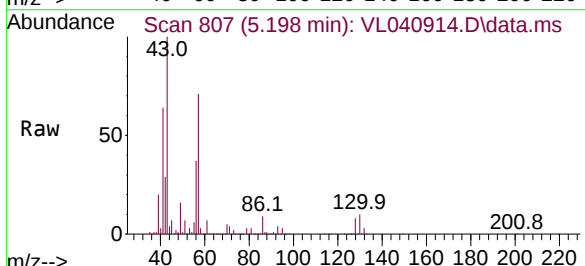
Ion Ratio Lower Upper

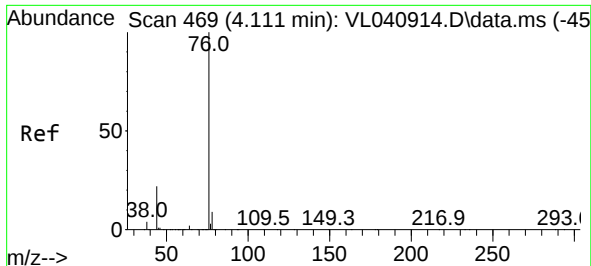
57 100

41 94.0 75.2 112.8

43 235.0 188.0 282.0

56 52.9 42.3 63.5

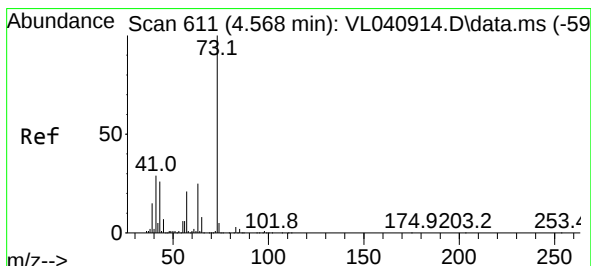
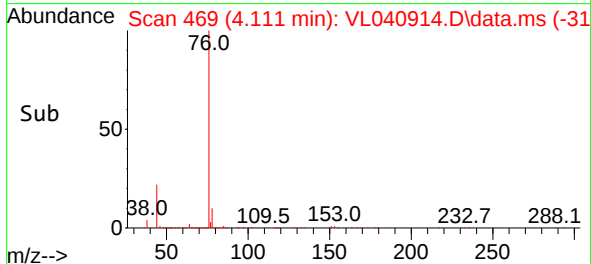
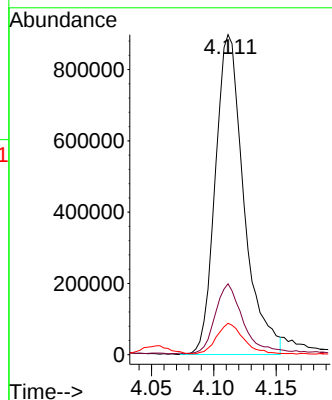
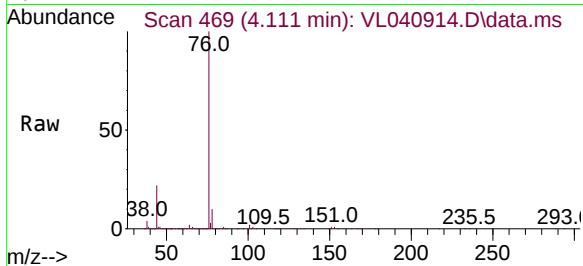




#27
Carbon Disulfide
Concen: 8.772 ppbv
RT: 4.111 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

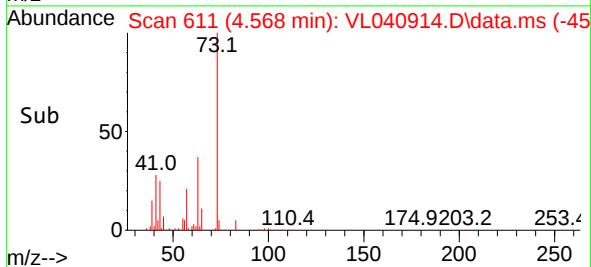
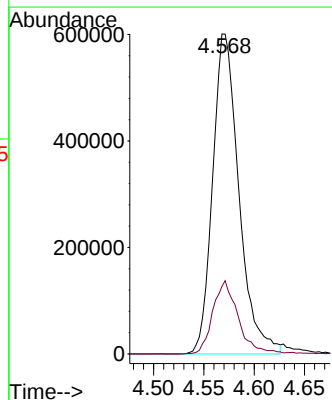
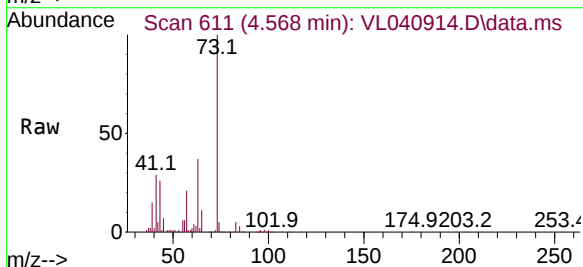
Instrument :
MSVOA_L
ClientSampleId :

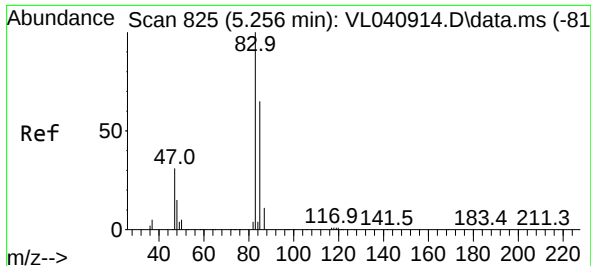
Tgt Ion: 76 Resp: 1432532
Ion Ratio Lower Upper
76 100
44 23.0 18.4 27.6
78 9.9 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 9.761 ppbv
RT: 4.568 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 73 Resp: 1092960
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0





#29

Chloroform

Concen: 9.236 ppbv

RT: 5.256 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

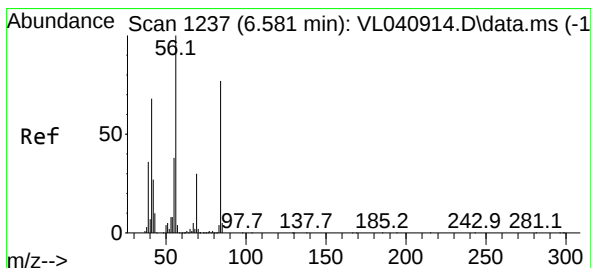
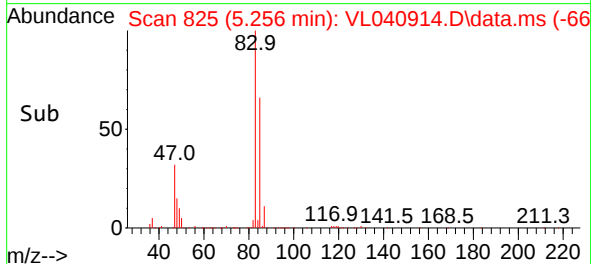
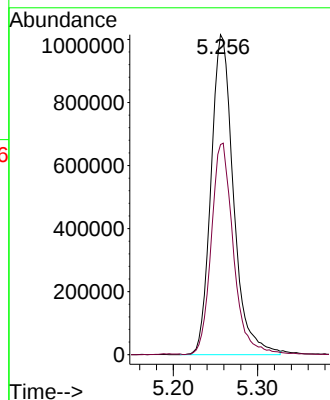
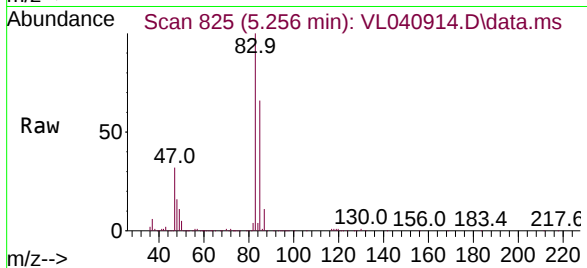
ClientSampleId :

Tgt Ion: 83 Resp: 1880711

Ion Ratio Lower Upper

83 100

85 65.4 52.3 78.5



#30

Cyclohexane

Concen: 9.551 ppbv

RT: 6.581 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

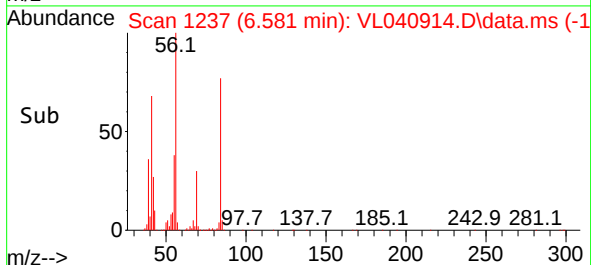
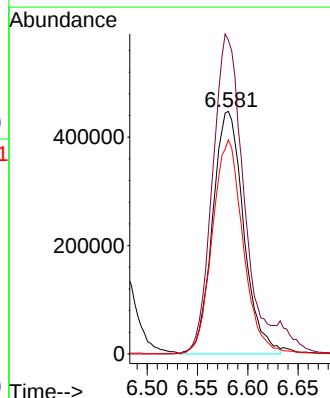
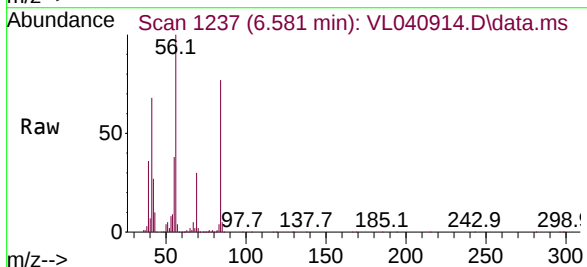
Tgt Ion: 84 Resp: 960775

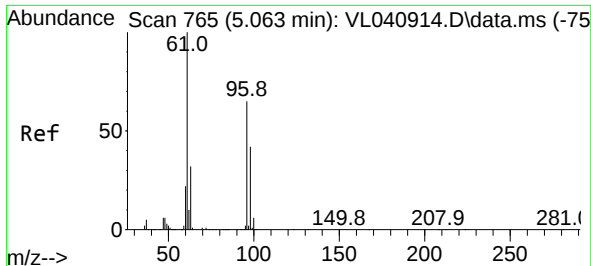
Ion Ratio Lower Upper

84 100

56 139.3 111.4 167.2

41 87.5 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 9.623 ppbv

RT: 5.063 min Scan# 765

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

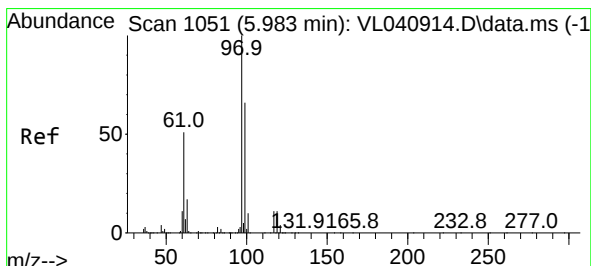
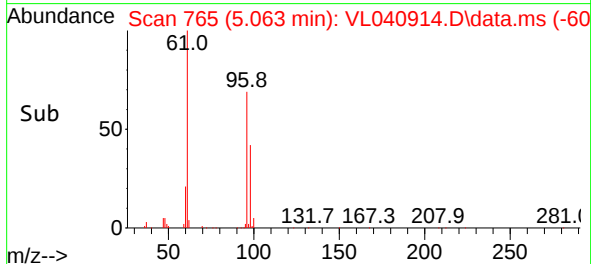
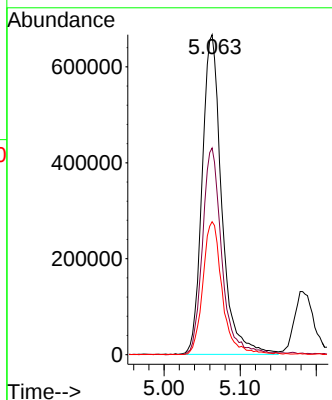
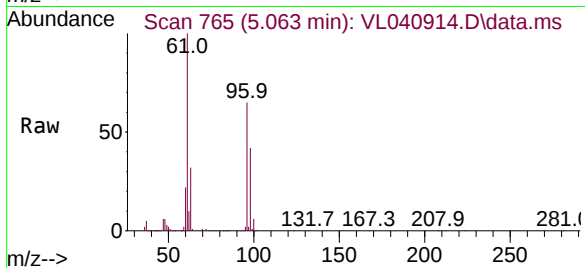
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 61 Resp: 1192729

Ion	Ratio	Lower	Upper
61	100		
96	64.6	51.7	77.5
98	41.5	33.2	49.8



#32

1,1,1-Trichloroethane

Concen: 9.598 ppbv

RT: 5.983 min Scan# 1051

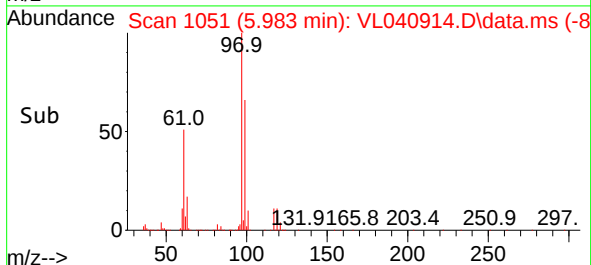
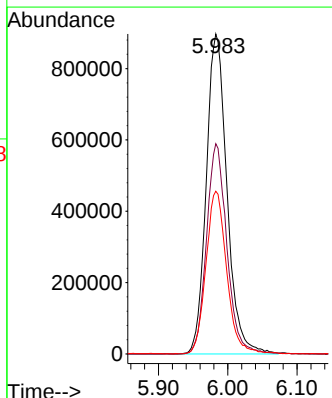
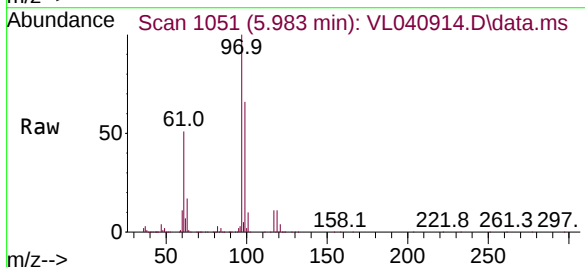
Delta R.T. 0.000 min

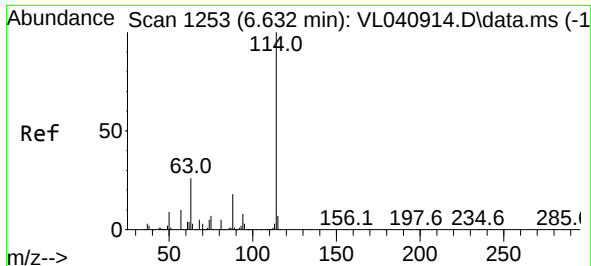
Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Tgt Ion: 97 Resp: 1862090

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	51.3	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

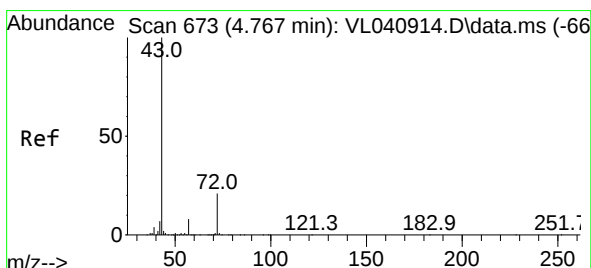
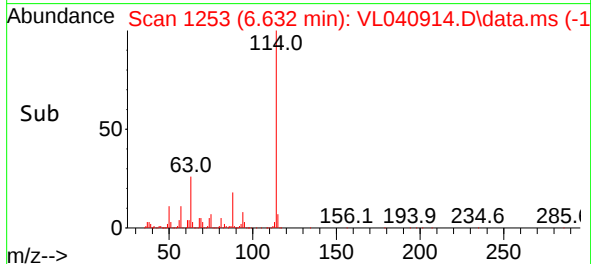
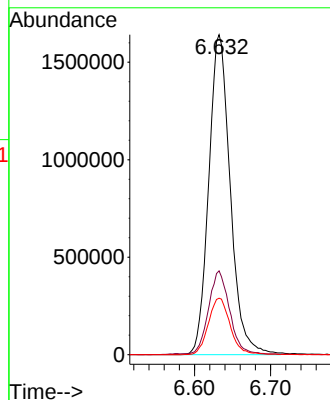
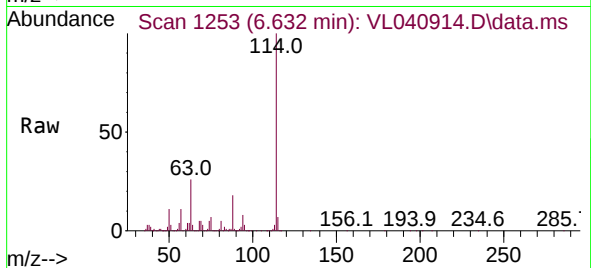
Tgt Ion:114 Resp: 3229260

Ion Ratio Lower Upper

114 100

63 26.3 21.0 31.6

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 9.732 ppbv

RT: 4.767 min Scan# 673

Delta R.T. 0.000 min

Lab File: VL040914.D

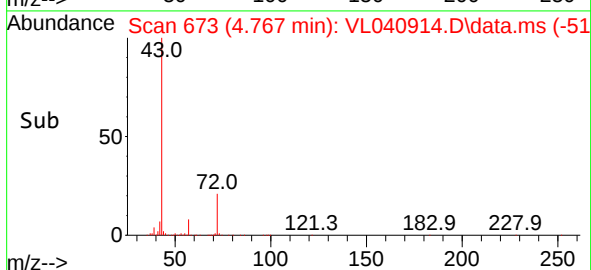
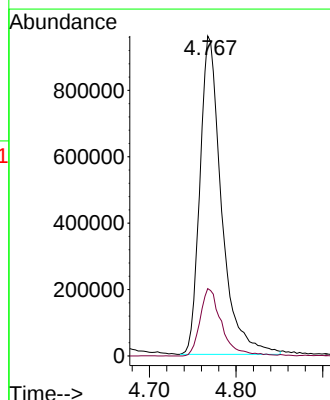
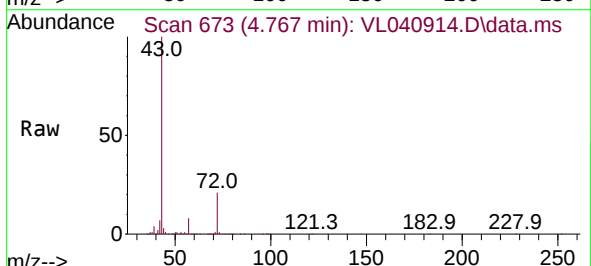
Acq: 20 Dec 2023 11:07

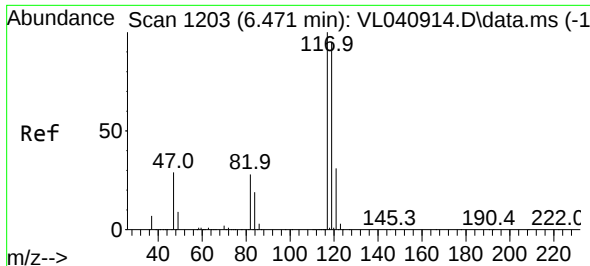
Tgt Ion: 43 Resp: 1662461

Ion Ratio Lower Upper

43 100

72 21.5 17.2 25.8

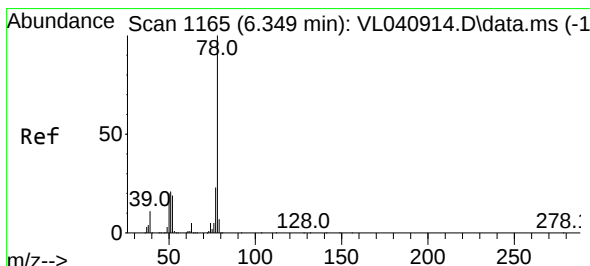
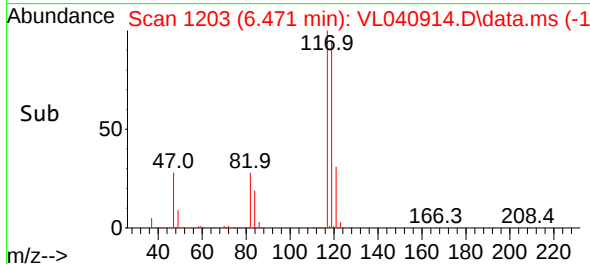
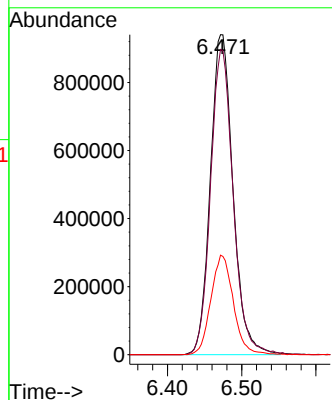
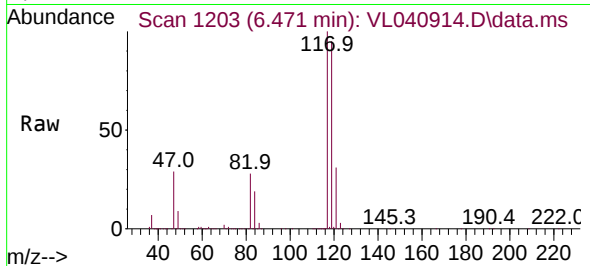




#35
Carbon Tetrachloride
Concen: 9.822 ppbv
RT: 6.471 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

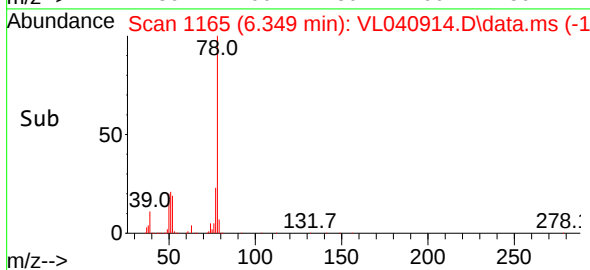
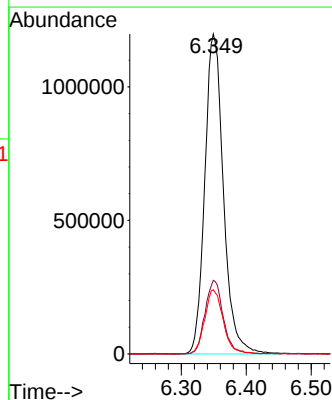
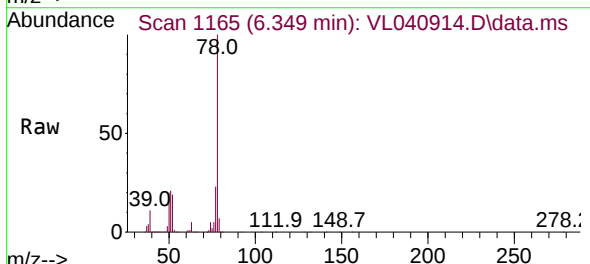
Instrument :
MSVOA_L
ClientSampleId :

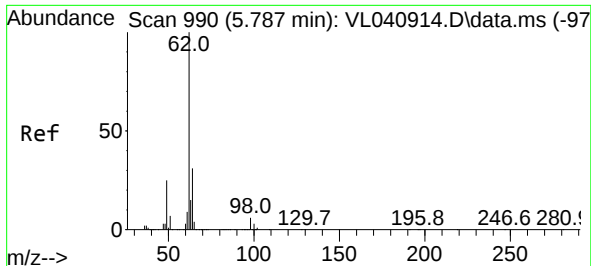
Tgt Ion:117 Resp: 1994229
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5
121 31.1 24.9 37.3



#36
Benzene
Concen: 9.488 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 78 Resp: 2395149
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6
50 20.0 16.0 24.0





#37

1,2-Dichloroethane

Concen: 9.603 ppbv

RT: 5.787 min Scan# 990

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

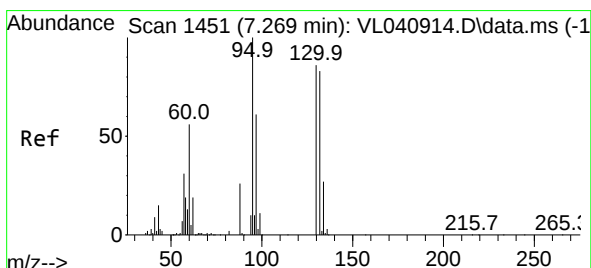
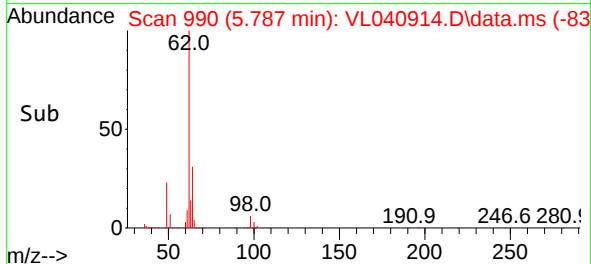
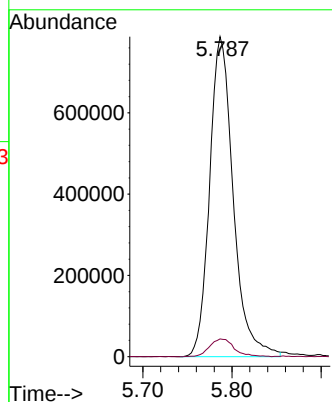
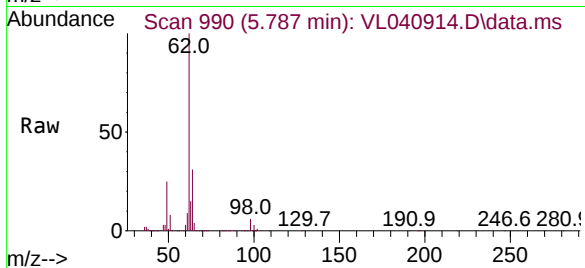
ClientSampleId :

Tgt Ion: 62 Resp: 1452517

Ion Ratio Lower Upper

62 100

98 5.8 4.6 7.0



#38

Trichloroethene

Concen: 9.296 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Tgt Ion:130 Resp: 902630

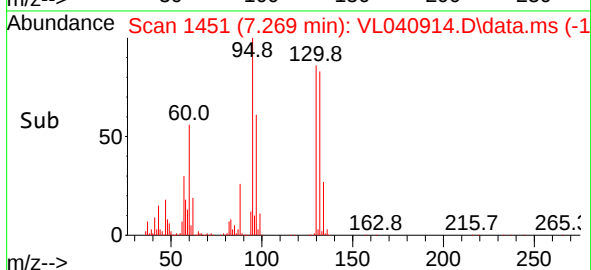
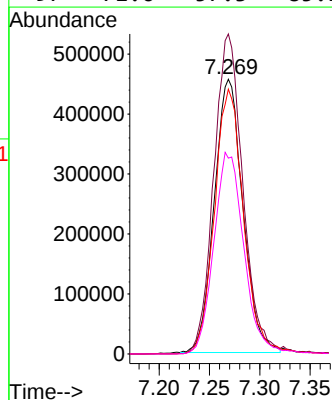
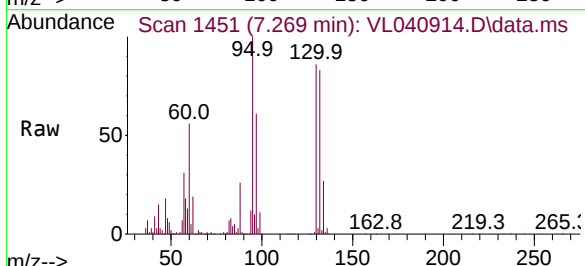
Ion Ratio Lower Upper

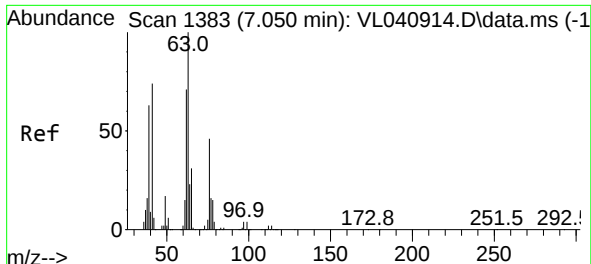
130 100

95 116.9 93.5 140.3

132 96.8 77.4 116.2

97 71.6 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.412 ppbv

RT: 7.050 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

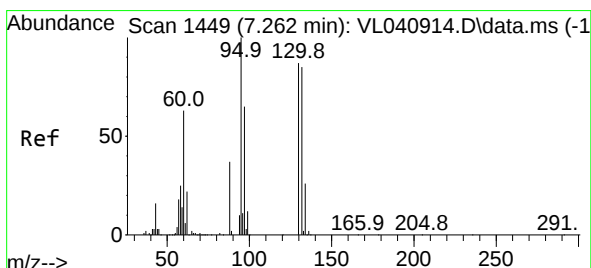
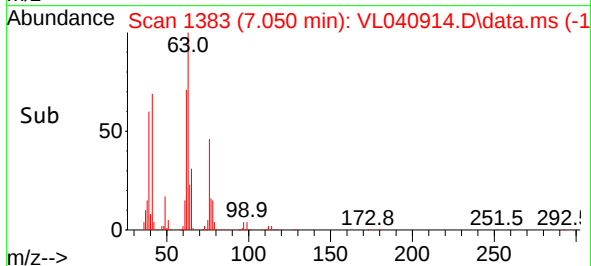
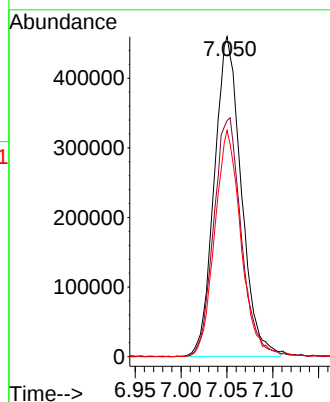
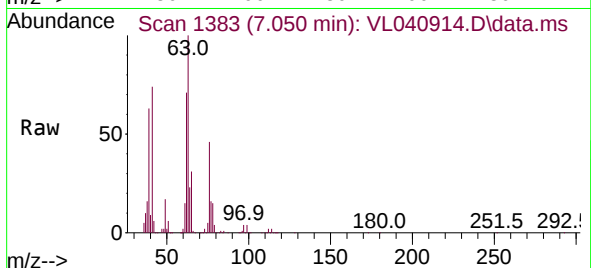
Tgt Ion: 63 Resp: 936297

Ion Ratio Lower Upper

63 100

41 73.8 59.0 88.6

62 70.8 56.6 85.0



#40

1,4-Dioxane

Concen: 9.099 ppbv

RT: 7.262 min Scan# 1449

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Tgt Ion: 88 Resp: 374550

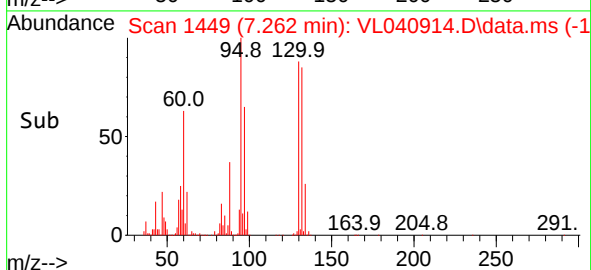
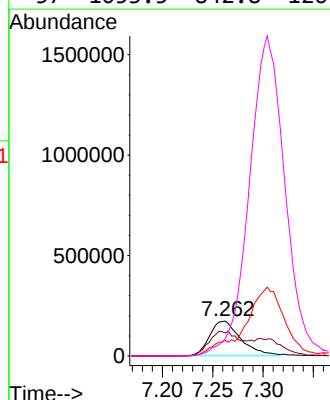
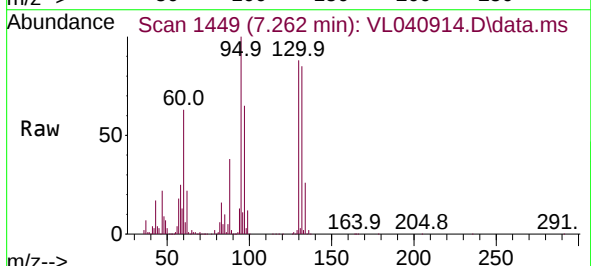
Ion Ratio Lower Upper

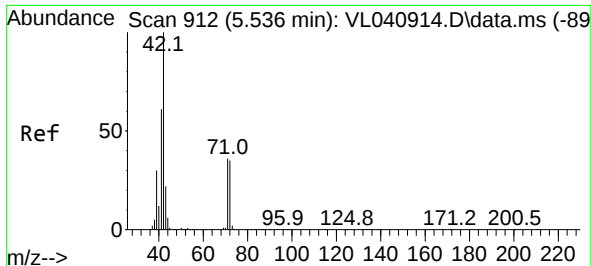
88 100

58 121.6 97.3 145.9

43 250.7 200.6 300.8

57 1053.5 842.8 1264.2





#41

Tetrahydrofuran

Concen: 9.709 ppbv

RT: 5.536 min Scan# 912

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

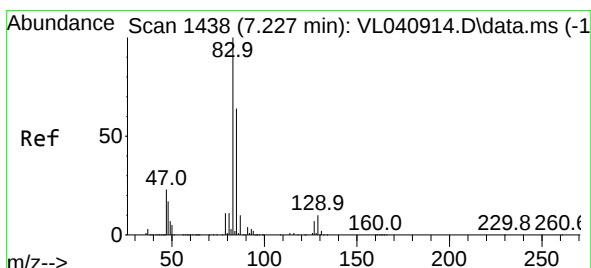
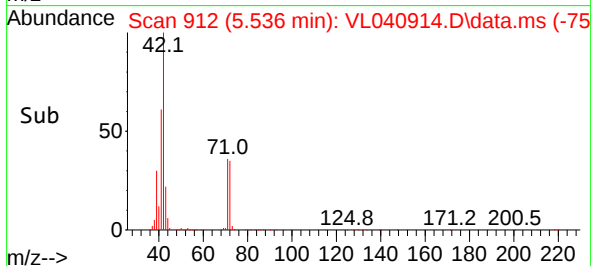
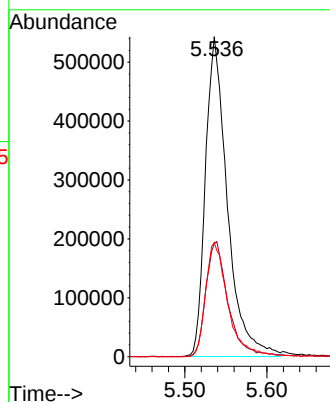
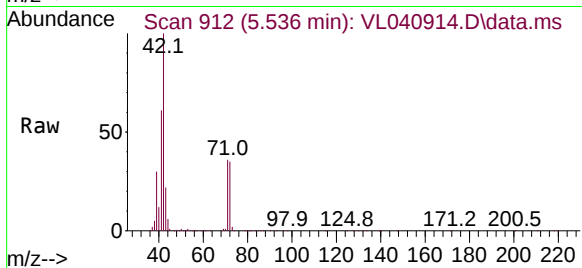
Tgt Ion: 42 Resp: 1006591

Ion Ratio Lower Upper

42 100

72 37.0 29.6 44.4

71 36.4 29.1 43.7



#42

Bromodichloromethane

Concen: 9.593 ppbv

RT: 7.227 min Scan# 1438

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

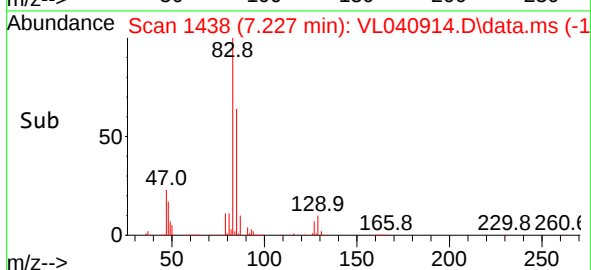
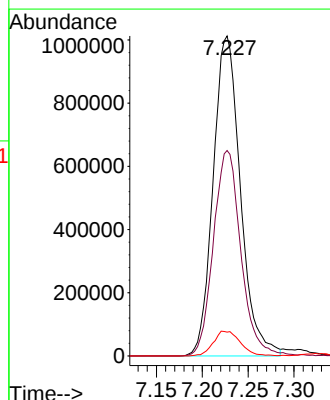
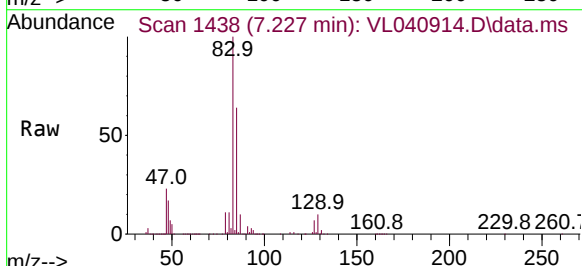
Tgt Ion: 83 Resp: 2092775

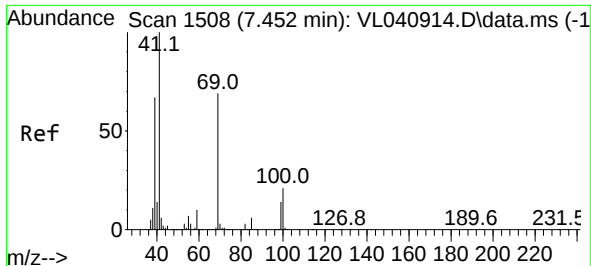
Ion Ratio Lower Upper

83 100

85 64.2 51.4 77.0

127 7.4 5.9 8.9

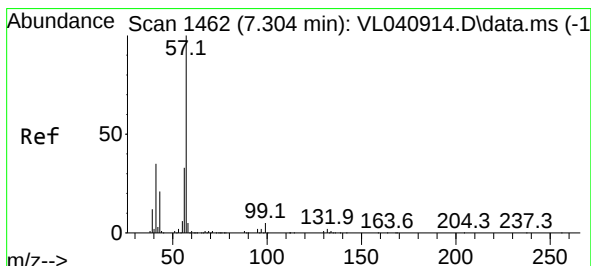
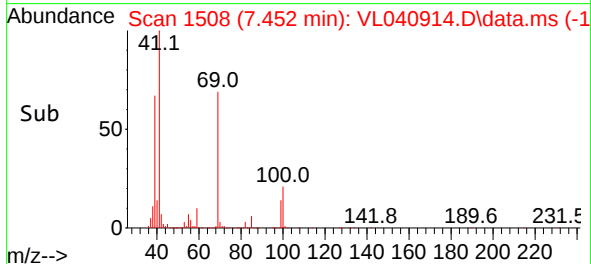
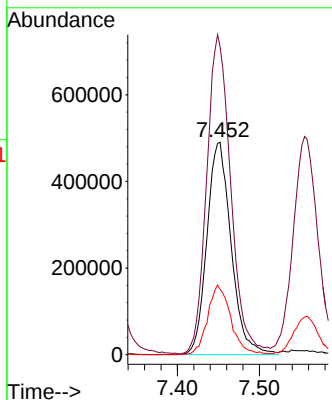
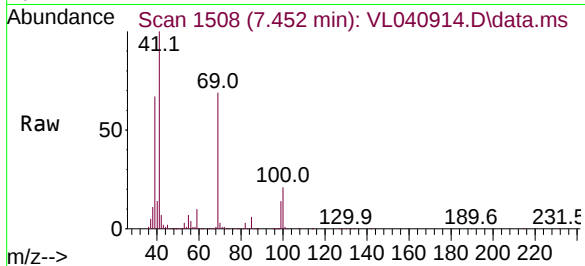




#43
Methyl Methacrylate
Concen: 10.213 ppbv
RT: 7.452 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

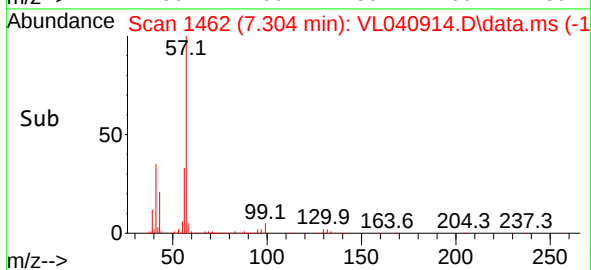
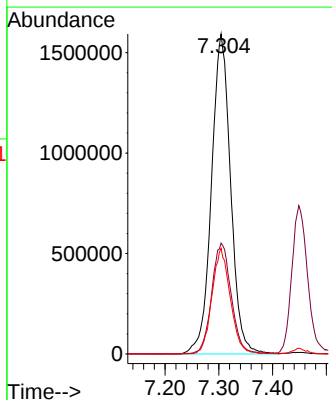
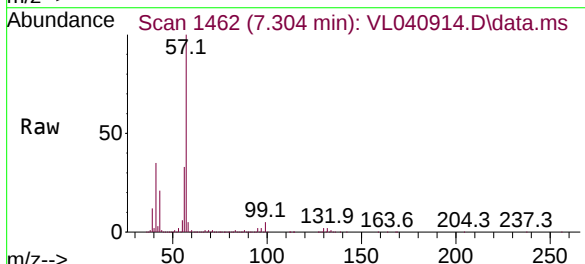
Instrument :
MSVOA_L
ClientSampleId :

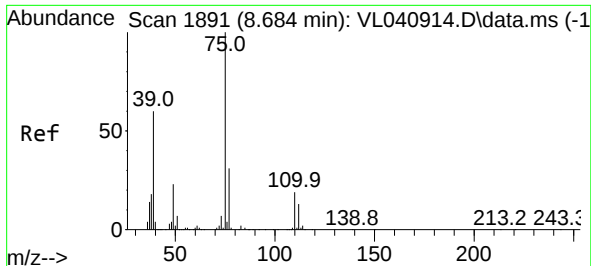
Tgt Ion: 69 Resp: 1005270
Ion Ratio Lower Upper
69 100
41 149.9 119.9 179.9
100 31.4 25.1 37.7



#44
2,2,4-Trimethylpentane
Concen: 9.199 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 57 Resp: 3944486
Ion Ratio Lower Upper
57 100
41 35.3 28.2 42.4
56 31.6 25.3 37.9

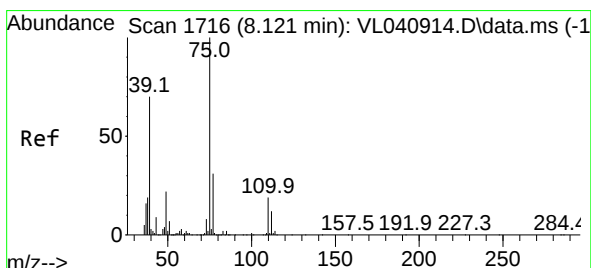
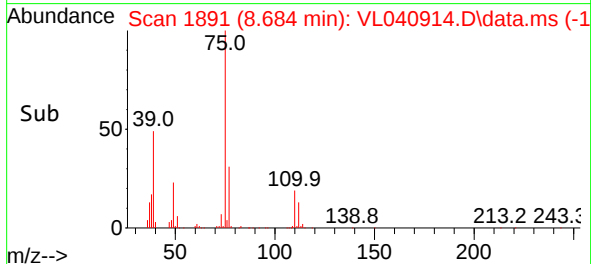
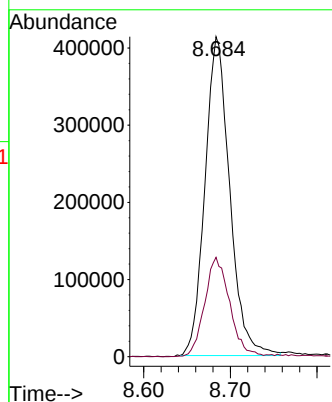
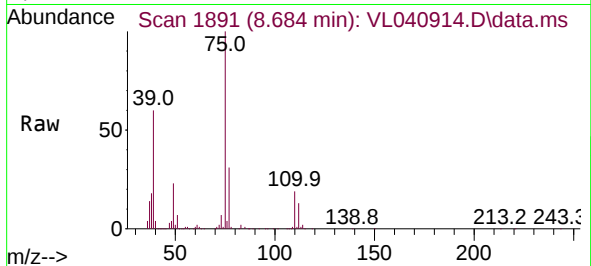




#45
t-1,3-Dichloropropene
Concen: 11.240 ppbv
RT: 8.684 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

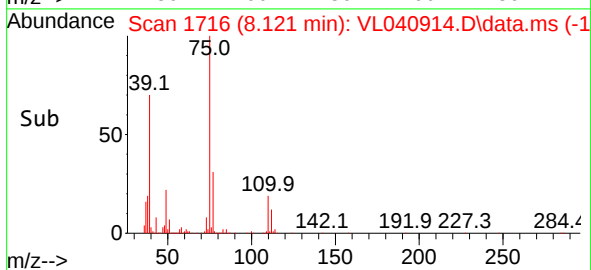
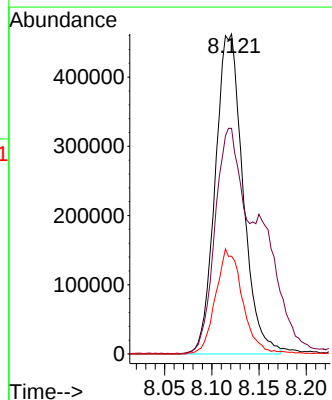
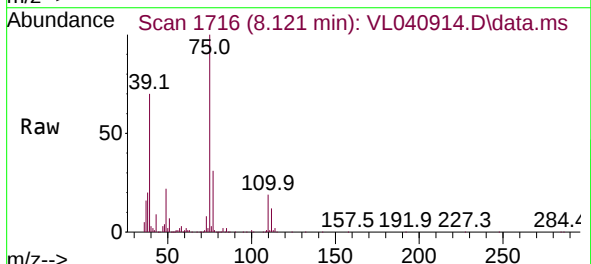
Instrument :
MSVOA_L
ClientSampleId :

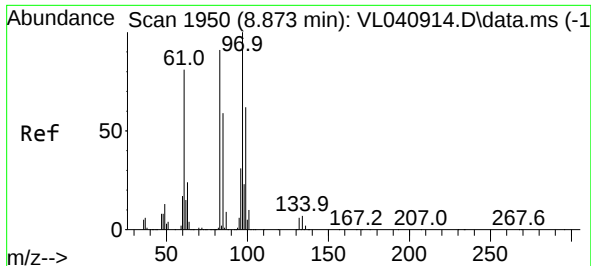
Tgt Ion: 75 Resp: 820411
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2



#46
cis-1,3-Dichloropropene
Concen: 10.385 ppbv
RT: 8.121 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 75 Resp: 943993
Ion Ratio Lower Upper
75 100
39 70.3 56.2 84.4
77 30.6 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.279 ppbv

RT: 8.873 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 987751

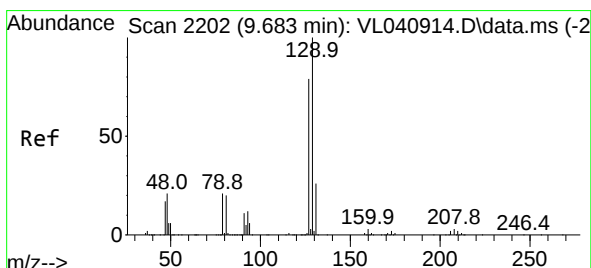
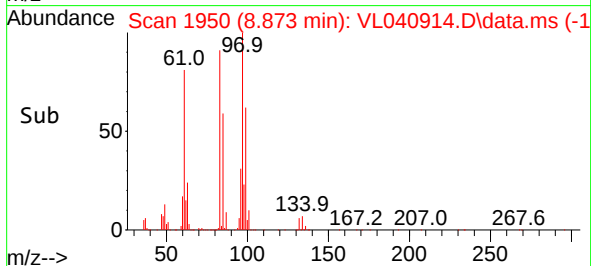
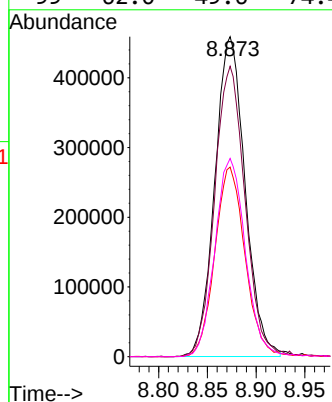
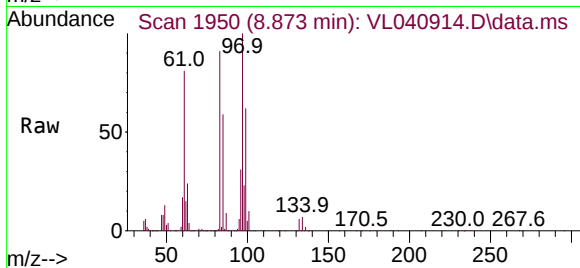
Ion Ratio Lower Upper

97 100

83 90.7 72.6 108.8

85 59.2 47.4 71.0

99 62.0 49.6 74.4



#48

Dibromochloromethane

Concen: 9.857 ppbv

RT: 9.683 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VL040914.D

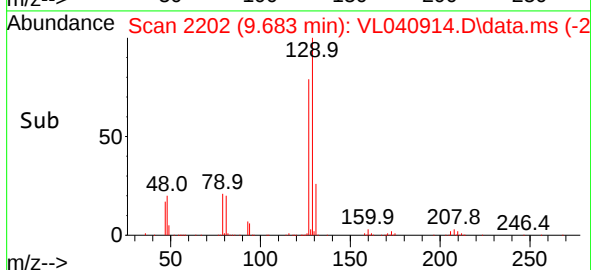
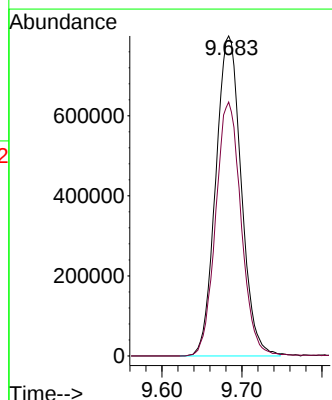
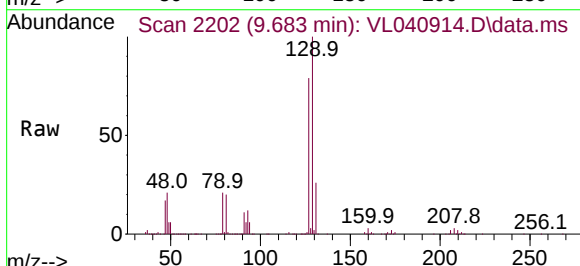
Acq: 20 Dec 2023 11:07

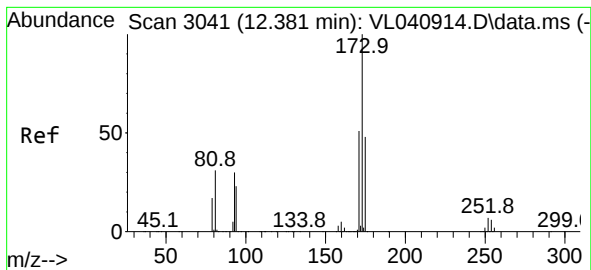
Tgt Ion: 129 Resp: 1771818

Ion Ratio Lower Upper

129 100

127 79.3 39.6 119.0





#49

Bromoform

Concen: 10.232 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

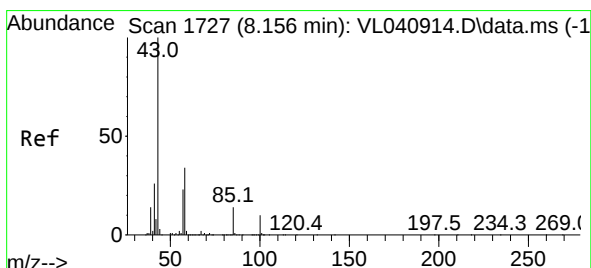
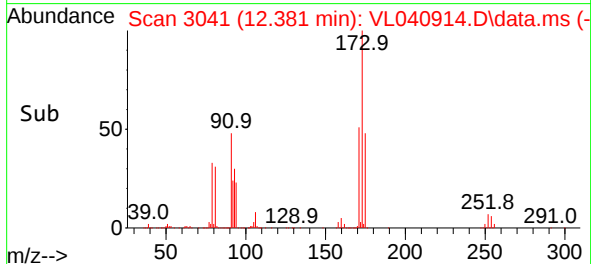
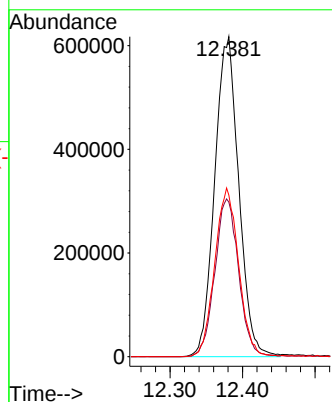
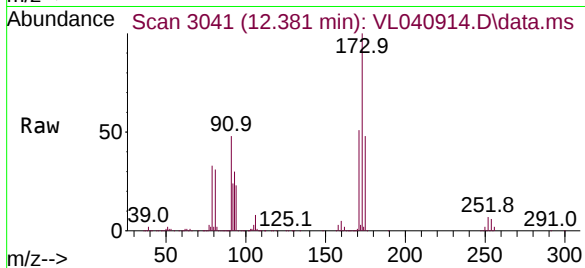
Tgt Ion:173 Resp: 1423200

Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

171 52.2 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 9.708 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VL040914.D

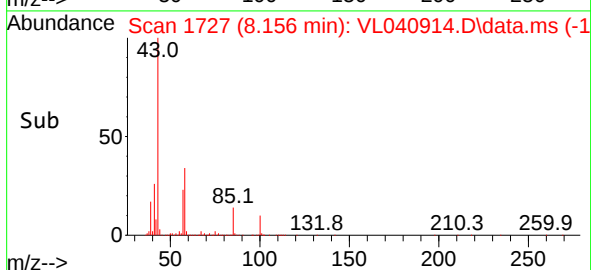
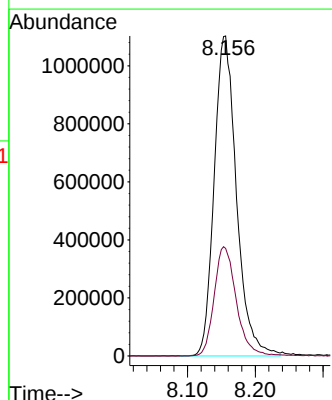
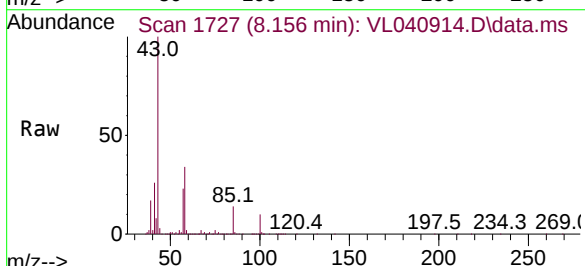
Acq: 20 Dec 2023 11:07

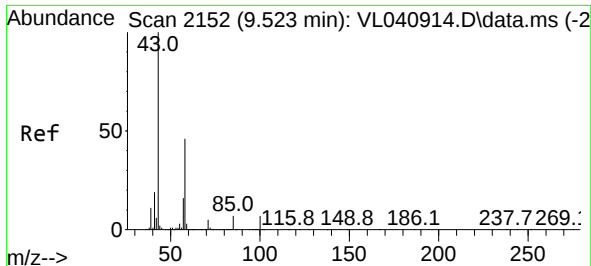
Tgt Ion: 43 Resp: 2517427

Ion Ratio Lower Upper

43 100

58 34.2 27.4 41.0

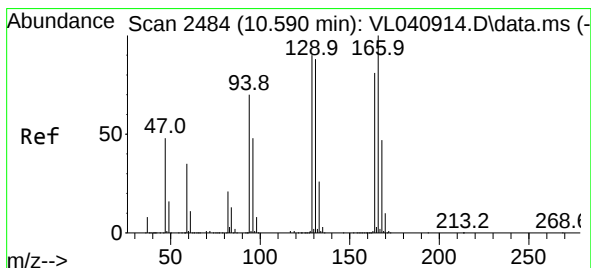
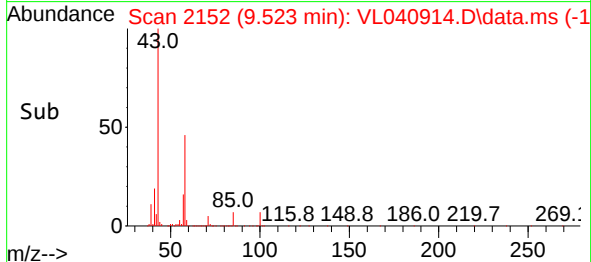
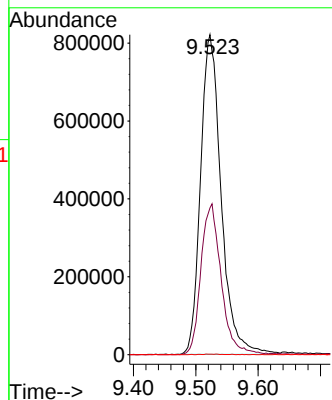
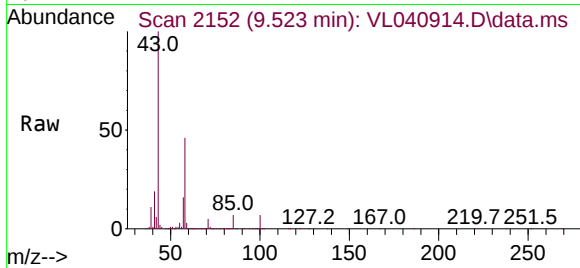




#51
2-Hexanone
Concen: 10.121 ppbv
RT: 9.523 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

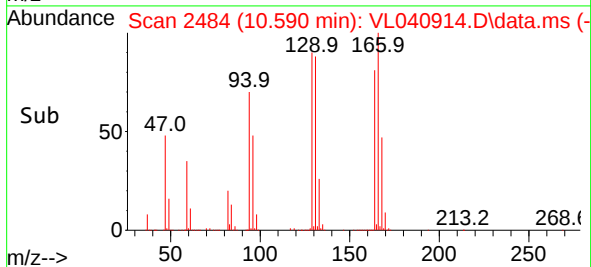
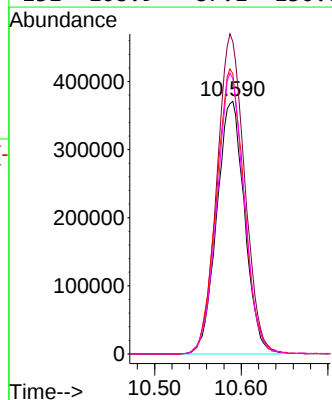
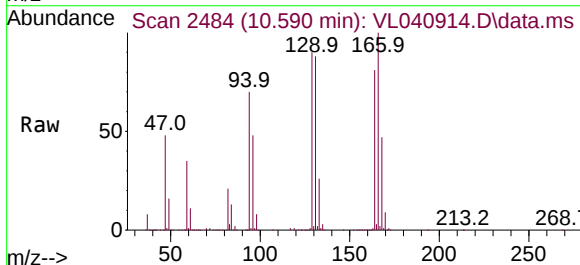
Instrument :
MSVOA_L
ClientSampleId :

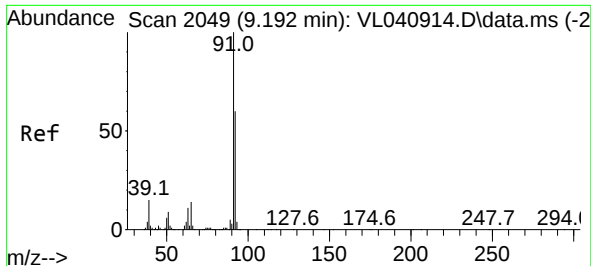
Tgt Ion: 43 Resp: 1887927
Ion Ratio Lower Upper
43 100
58 46.6 37.3 55.9
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 9.708 ppbv
RT: 10.590 min Scan# 2484
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion:164 Resp: 826416
Ion Ratio Lower Upper
164 100
166 123.6 98.9 148.3
129 110.9 88.7 133.1
131 108.9 87.1 130.7

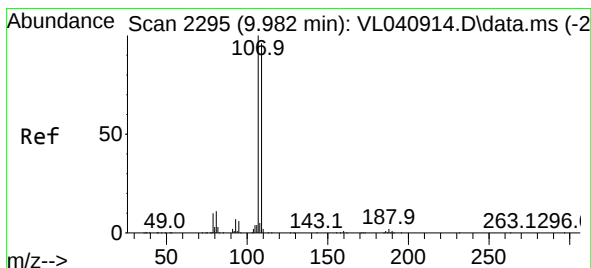
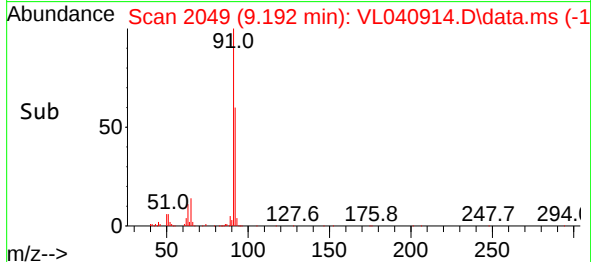
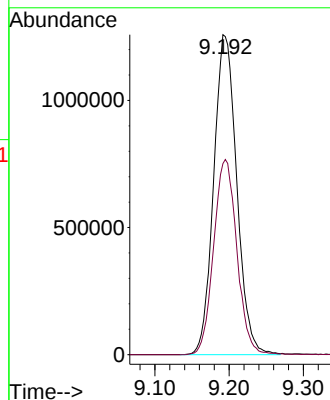
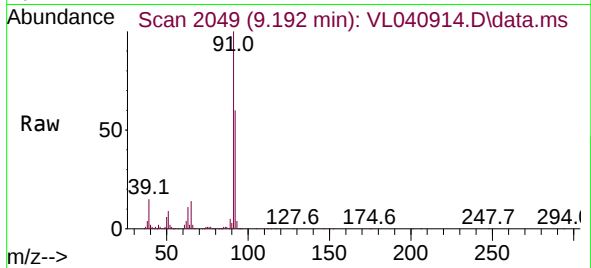




#53
Toluene
Concen: 9.645 ppbv
RT: 9.192 min Scan# 2049
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

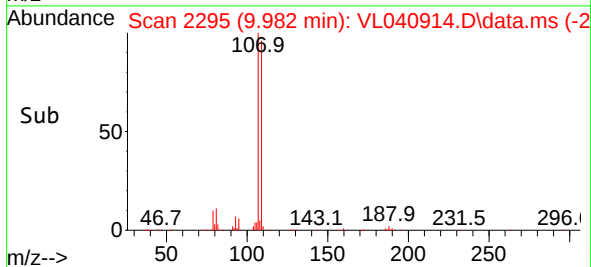
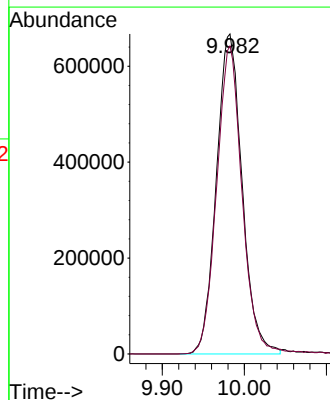
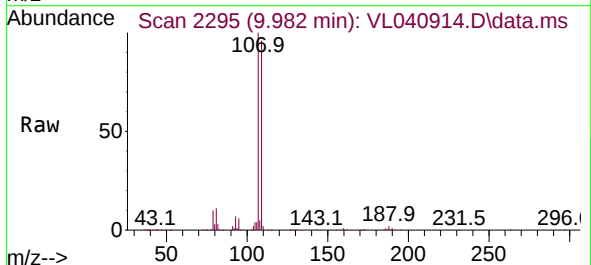
Instrument :
MSVOA_L
ClientSampleId :

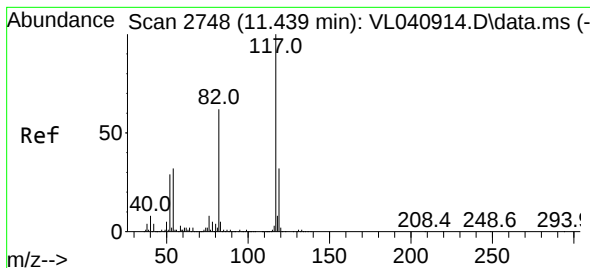
Tgt Ion: 91 Resp: 2720476
Ion Ratio Lower Upper
91 100
92 61.5 49.2 73.8



#54
1,2-Dibromoethane
Concen: 10.031 ppbv
RT: 9.982 min Scan# 2295
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 107 Resp: 1457889
Ion Ratio Lower Upper
107 100
109 96.2 77.0 115.4

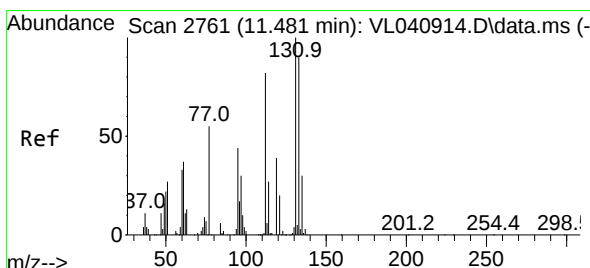
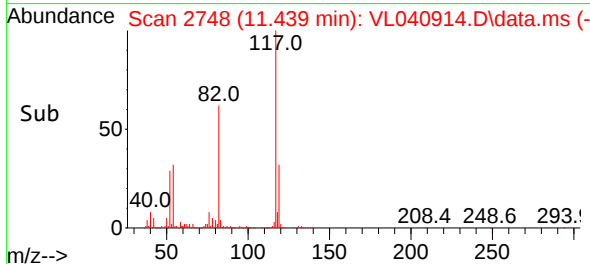
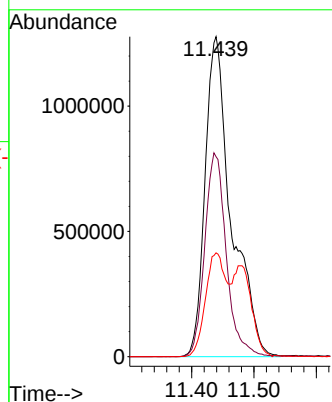
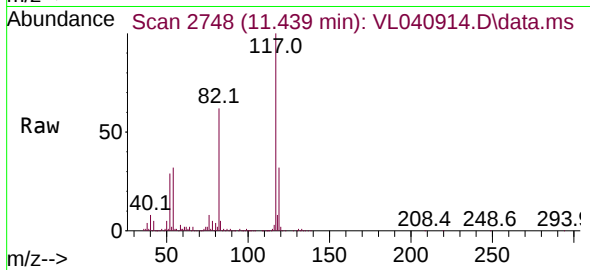




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 2748
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

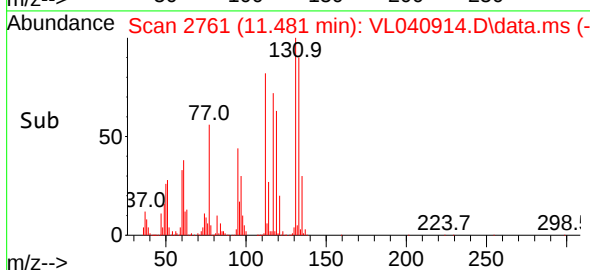
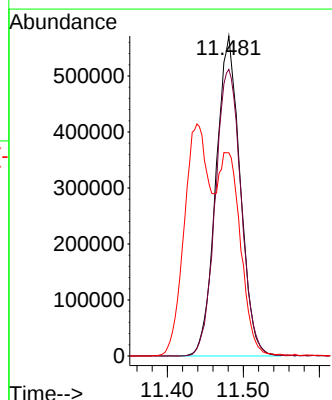
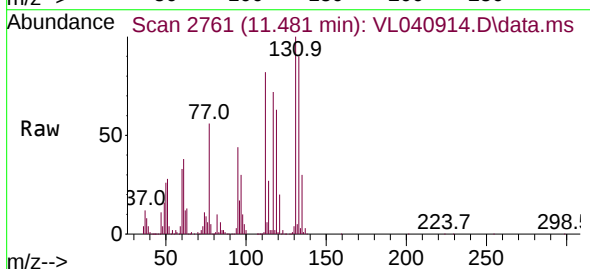
Instrument :
MSVOA_L
ClientSampleId :

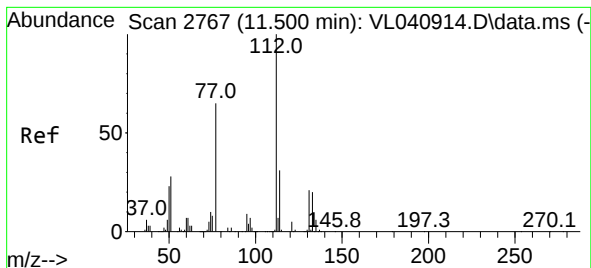
Tgt Ion:117 Resp: 3741713
Ion Ratio Lower Upper
117 100
82 52.5 49.6 74.4
119 24.7 23.4 35.0



#56
1,1,1,2-Tetrachloroethane
Concen: 7.733 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion:131 Resp: 1265354
Ion Ratio Lower Upper
131 100
133 95.4 76.3 114.5
119 60.8 48.6 73.0





#57

Chlorobenzene

Concen: 7.537 ppbv

RT: 11.500 min Scan# 2767

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

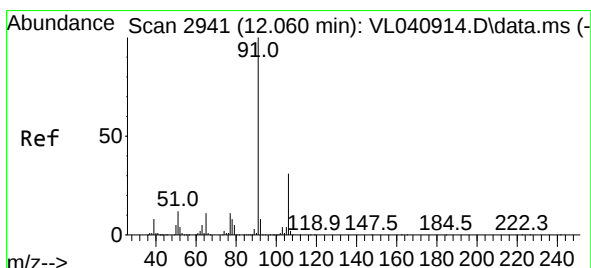
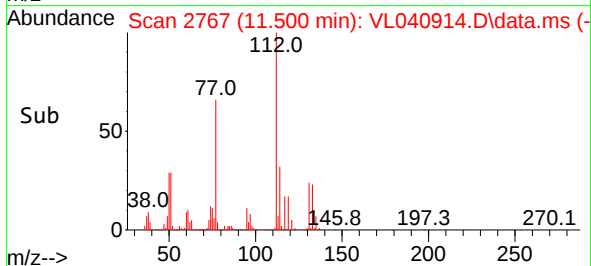
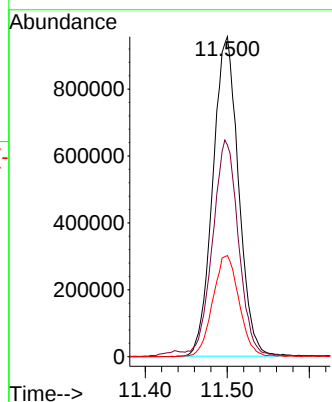
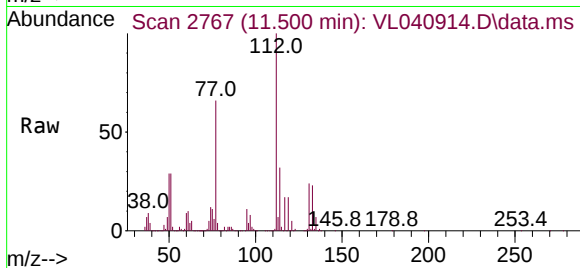
Tgt Ion:112 Resp: 2081351

Ion Ratio Lower Upper

112 100

77 65.9 52.7 79.1

114 31.5 28.4 34.7



#58

Ethyl Benzene

Concen: 7.711 ppbv

RT: 12.060 min Scan# 2941

Delta R.T. 0.000 min

Lab File: VL040914.D

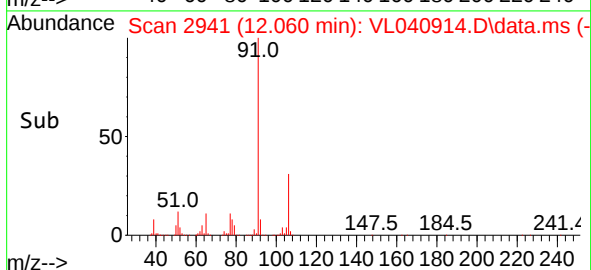
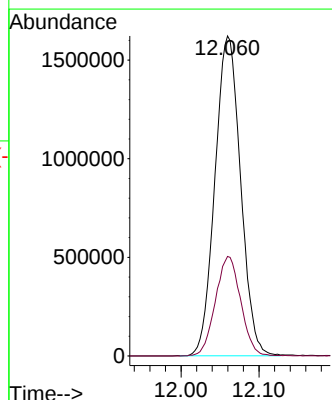
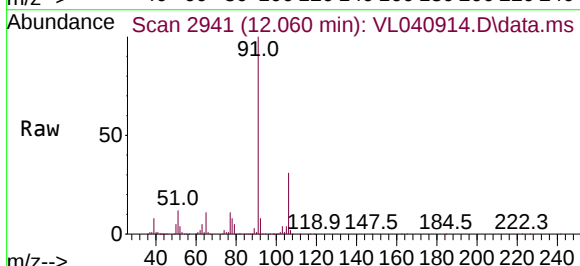
Acq: 20 Dec 2023 11:07

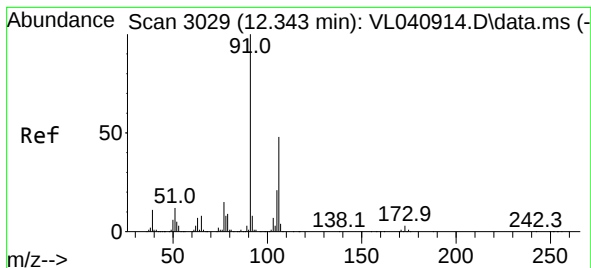
Tgt Ion: 91 Resp: 3707057

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3

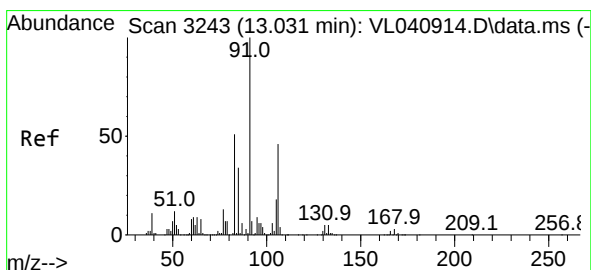
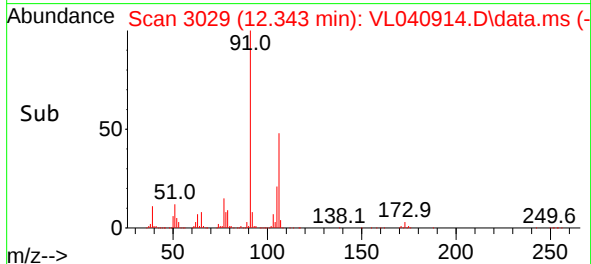
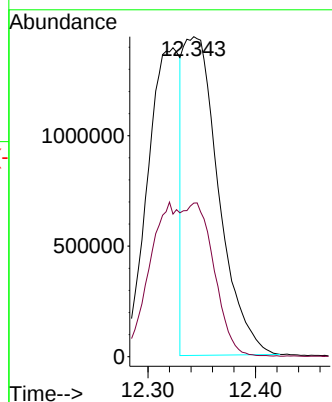
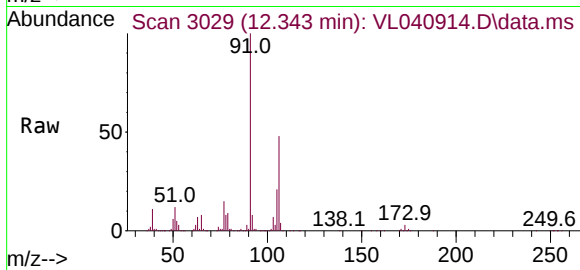




#59
m/p-Xylene
Concen: 8.045 ppbv
RT: 12.343 min Scan# 3029
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

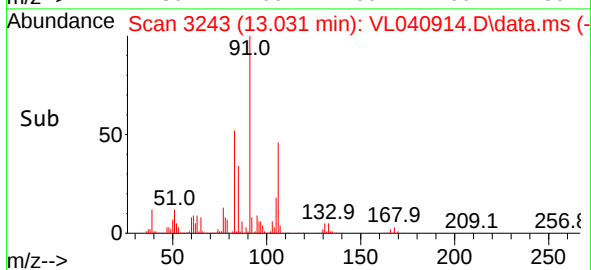
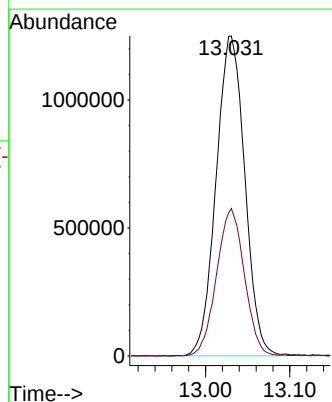
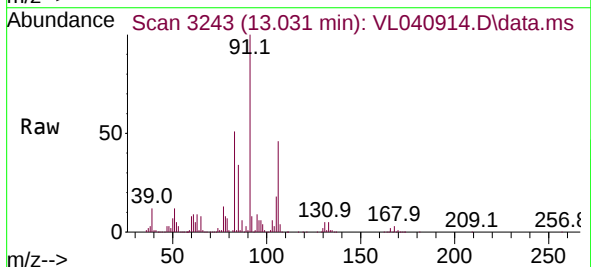
Instrument :
MSVOA_L
ClientSampleId :

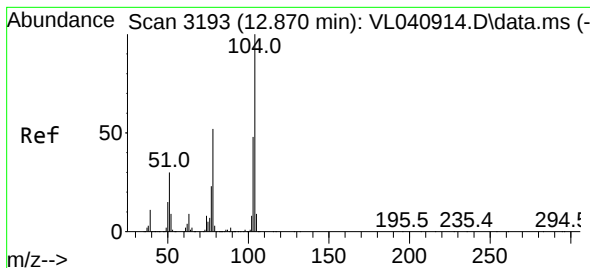
Tgt Ion: 91 Resp: 3289129
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 7.659 ppbv
RT: 13.031 min Scan# 3243
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 91 Resp: 2950011
Ion Ratio Lower Upper
91 100
106 45.1 22.6 67.7





#61

Styrene

Concen: 8.516 ppbv

RT: 12.870 min Scan# 3193

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

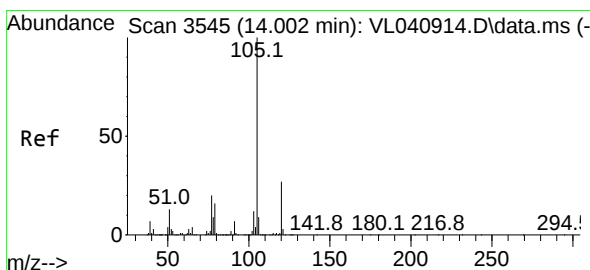
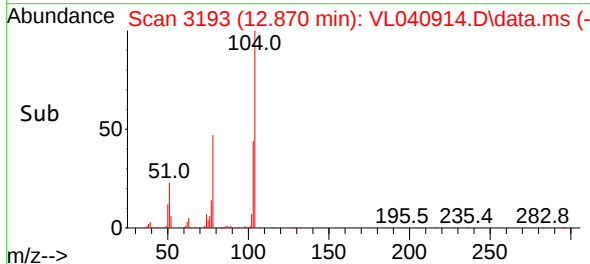
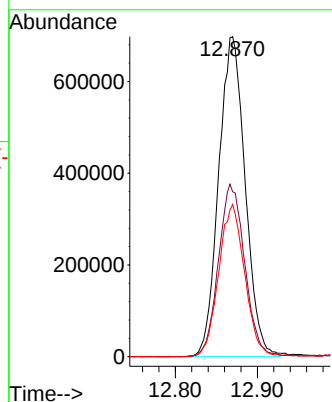
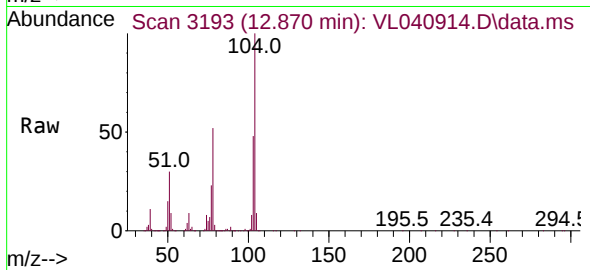
Tgt Ion:104 Resp: 1564688

Ion Ratio Lower Upper

104 100

78 53.7 43.0 64.4

103 47.0 37.6 56.4



#62

Isopropylbenzene

Concen: 7.565 ppbv

RT: 14.002 min Scan# 3545

Delta R.T. 0.000 min

Lab File: VL040914.D

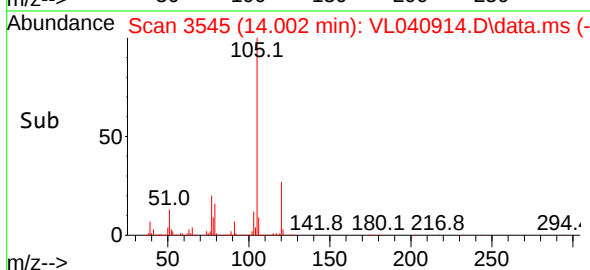
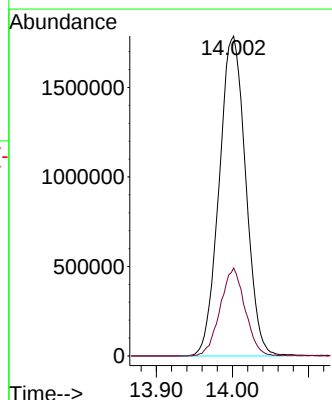
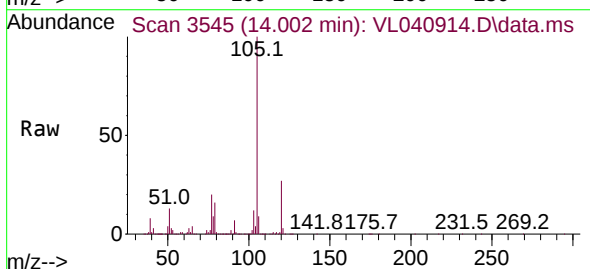
Acq: 20 Dec 2023 11:07

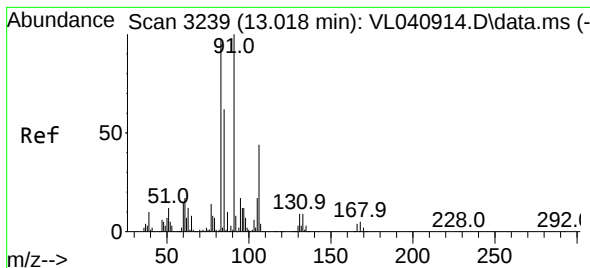
Tgt Ion:105 Resp: 4320899

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

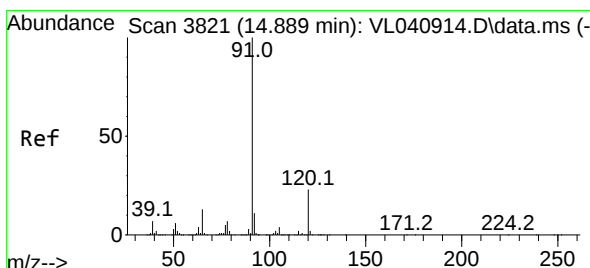
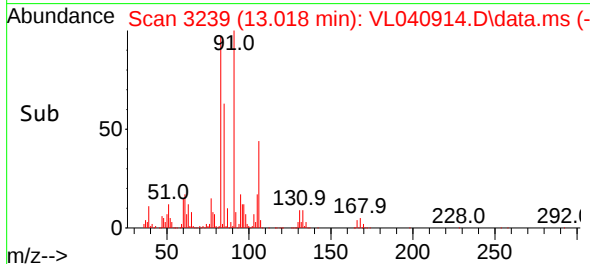
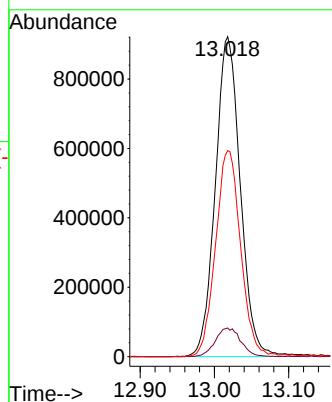
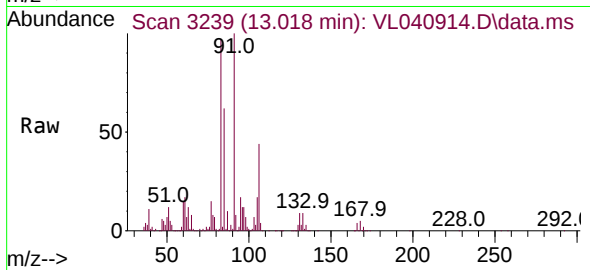




#63
1,1,2,2-Tetrachloroethane
Concen: 7.764 ppbv
RT: 13.018 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

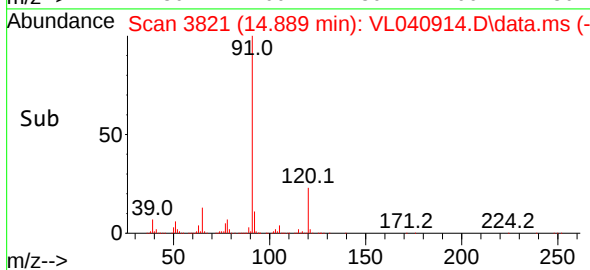
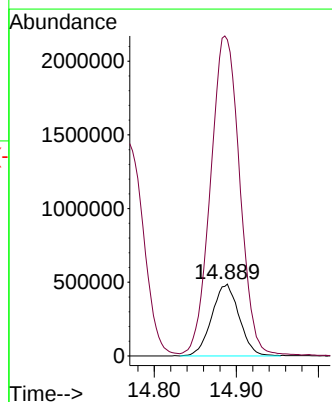
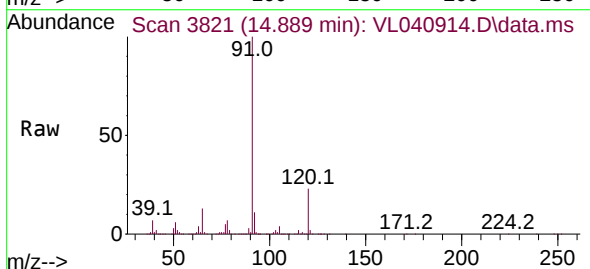
Instrument :
MSVOA_L
ClientSampleId :

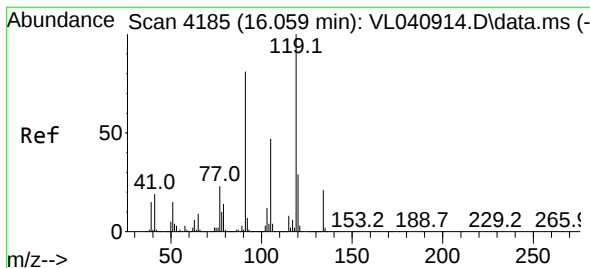
Tgt Ion: 83 Resp: 2147264
Ion Ratio Lower Upper
83 100
131 9.3 4.7 14.0
85 65.3 32.6 98.0



#64
n-propylbenzene
Concen: 7.842 ppbv
RT: 14.889 min Scan# 3821
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 120 Resp: 1130424
Ion Ratio Lower Upper
120 100
91 477.4 381.9 572.9





#65

tert-Butylbenzene

Concen: 7.649 ppbv

RT: 16.059 min Scan# 4185

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

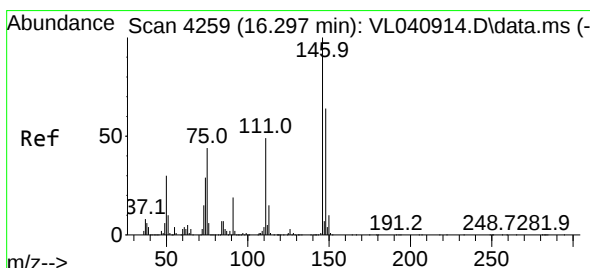
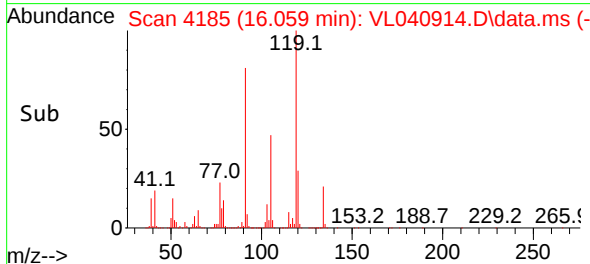
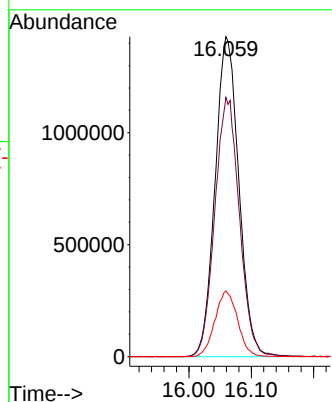
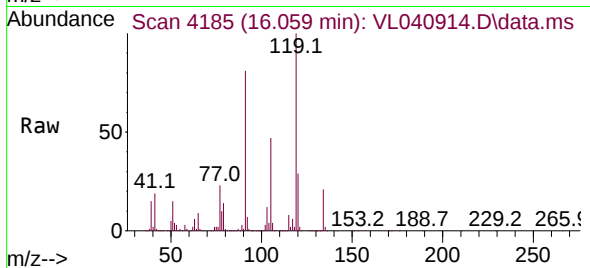
Tgt Ion:119 Resp: 3772799

Ion Ratio Lower Upper

119 100

91 84.0 67.2 100.8

134 19.7 15.8 23.6



#66

Benzyl Chloride

Concen: 9.599 ppbv

RT: 16.297 min Scan# 4259

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

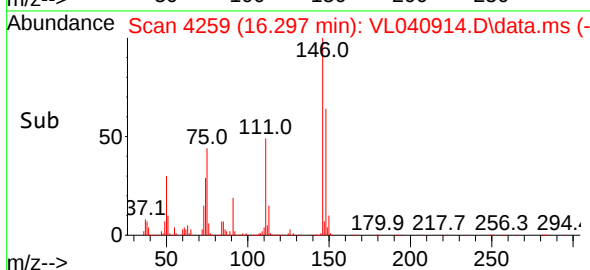
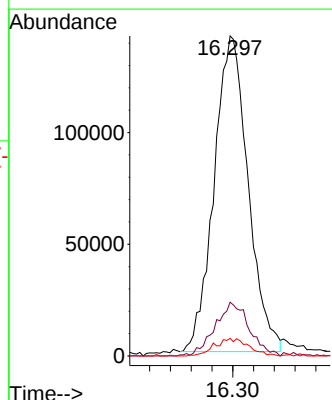
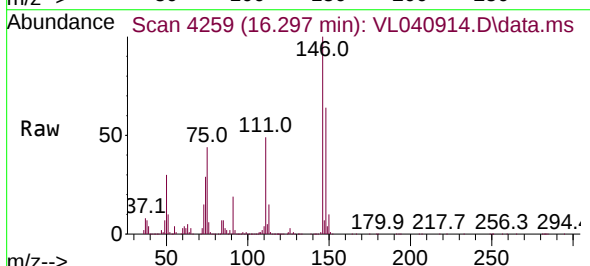
Tgt Ion: 91 Resp: 320888

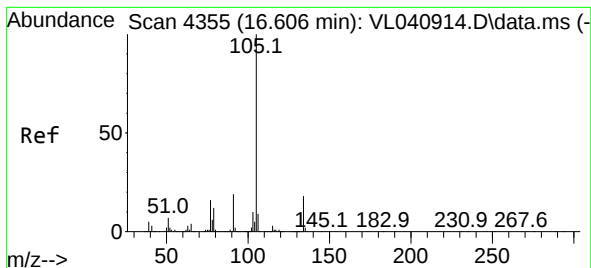
Ion Ratio Lower Upper

91 100

126 17.6 14.1 21.1

128 5.7 4.6 6.8





#67

sec-Butylbenzene

Concen: 7.534 ppbv

RT: 16.606 min Scan# 4355

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

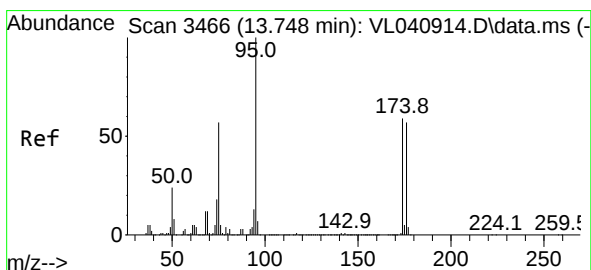
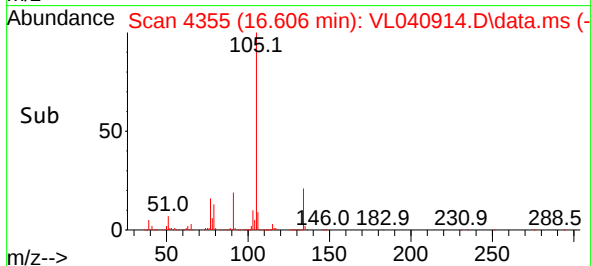
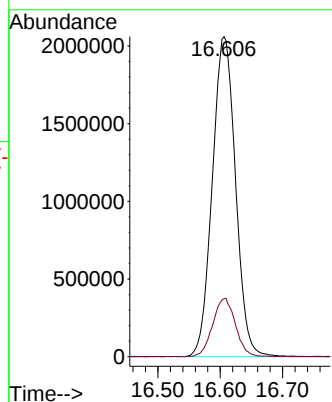
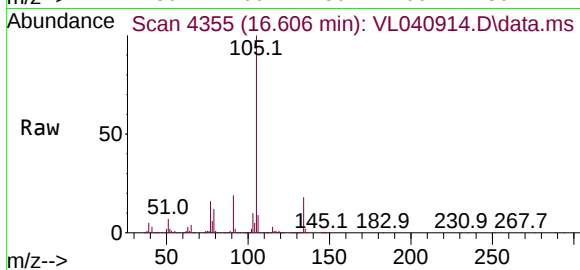
ClientSampleId :

Tgt Ion:105 Resp: 5315744

Ion Ratio Lower Upper

105 100

134 18.0 14.4 21.6



#68

1-Bromo-4-Fluorobenzene

Concen: 8.288 ppbv

RT: 13.748 min Scan# 3466

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

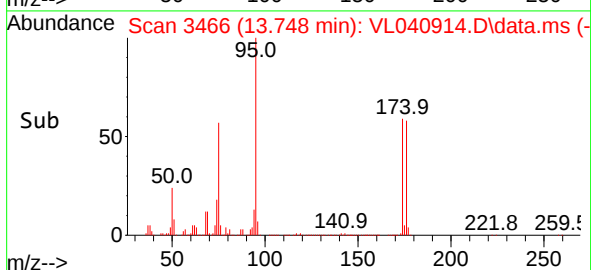
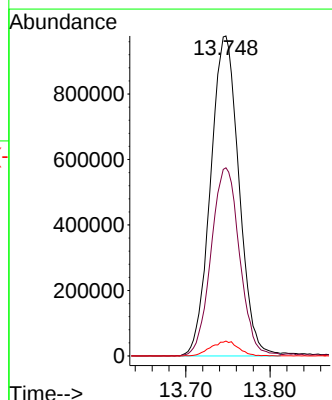
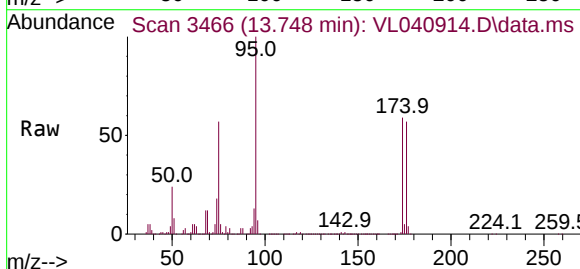
Tgt Ion: 95 Resp: 2284220

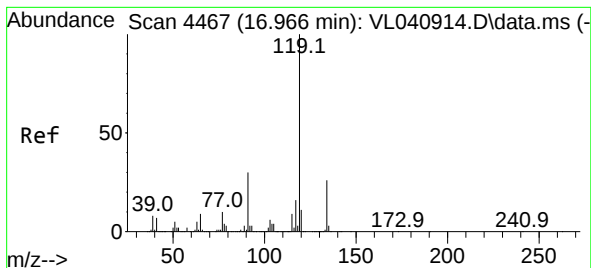
Ion Ratio Lower Upper

95 100

174 60.0 48.0 72.0

175 4.6 3.7 5.5





#69

p-Isopropyltoluene

Concen: 7.902 ppbv

RT: 16.966 min Scan# 4467

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

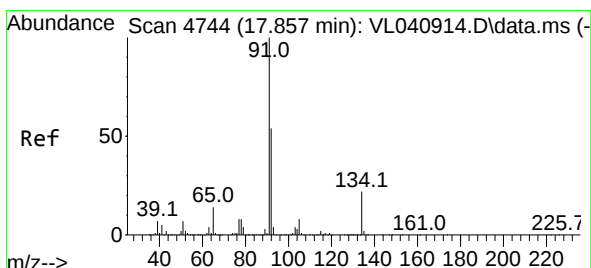
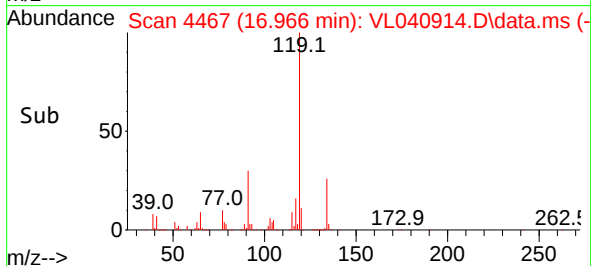
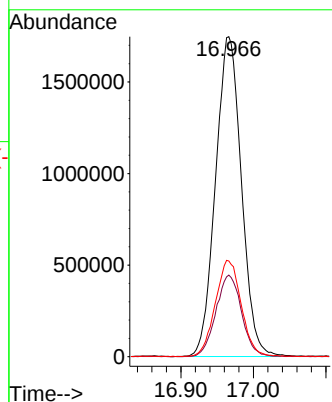
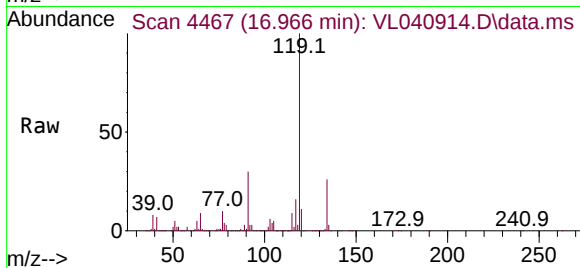
Tgt Ion:119 Resp: 4329016

Ion Ratio Lower Upper

119 100

134 25.4 20.3 30.5

91 30.1 24.1 36.1



#70

n-Butylbenzene

Concen: 7.942 ppbv

RT: 17.857 min Scan# 4744

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

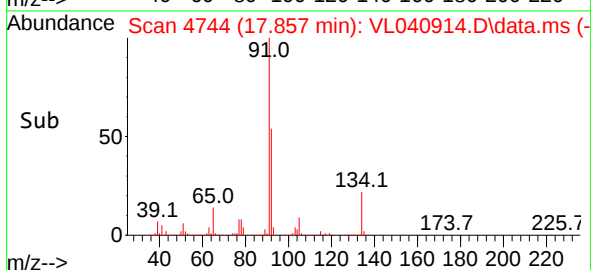
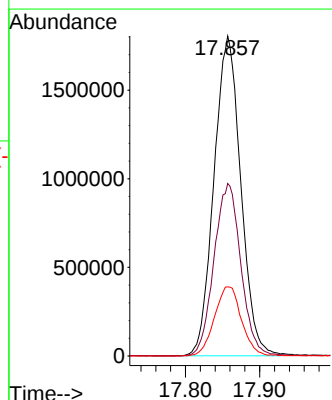
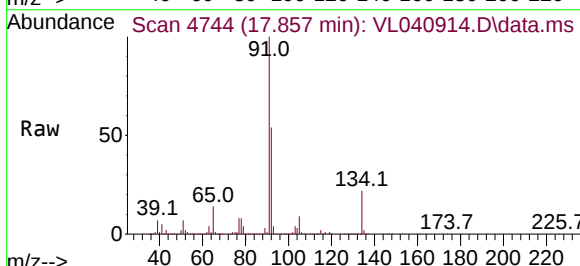
Tgt Ion: 91 Resp: 4520949

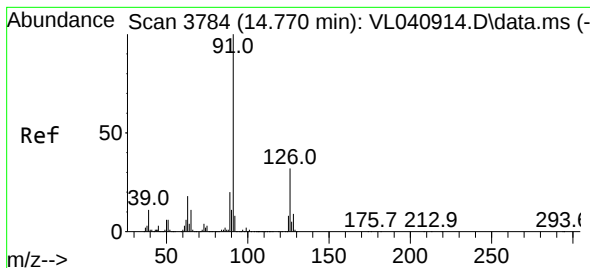
Ion Ratio Lower Upper

91 100

92 54.2 43.4 65.0

134 22.0 17.6 26.4

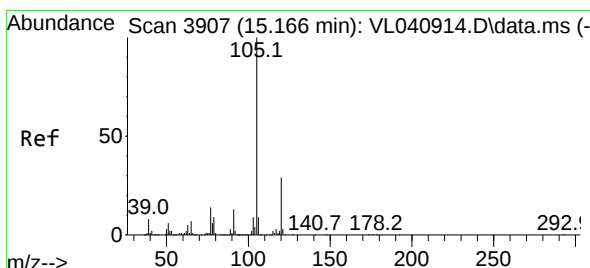
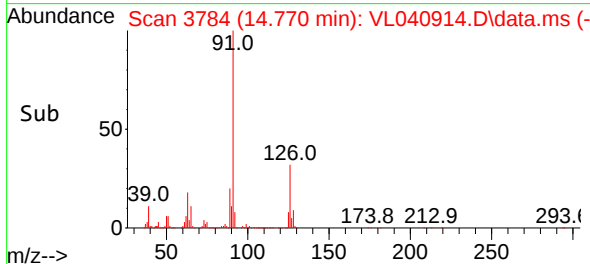
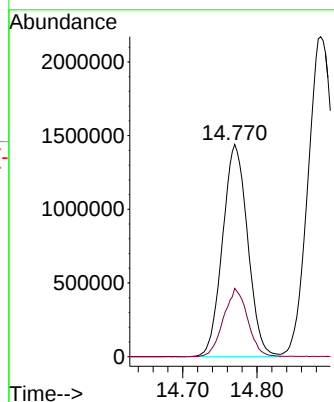
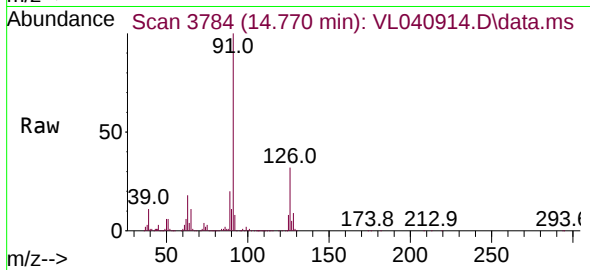




#71
2-Chlorotoluene
Concen: 7.690 ppbv
RT: 14.770 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

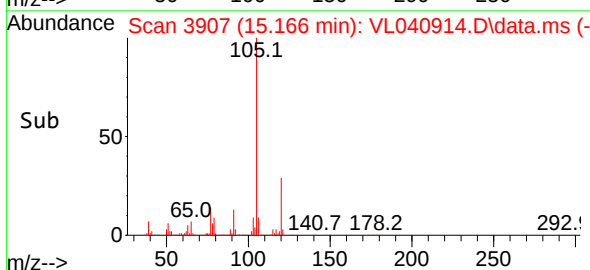
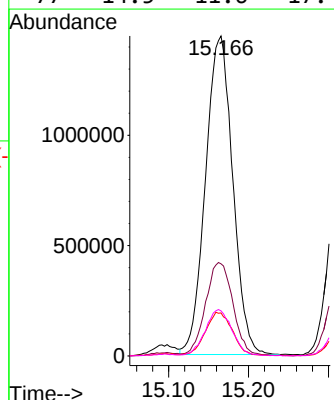
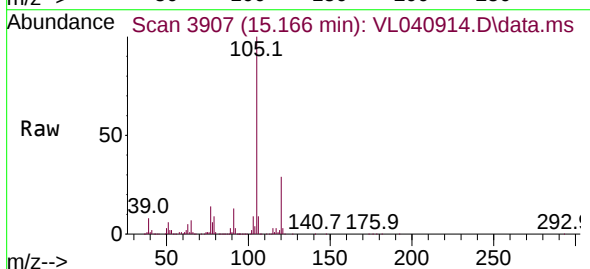
Instrument :
MSVOA_L
ClientSampleId :

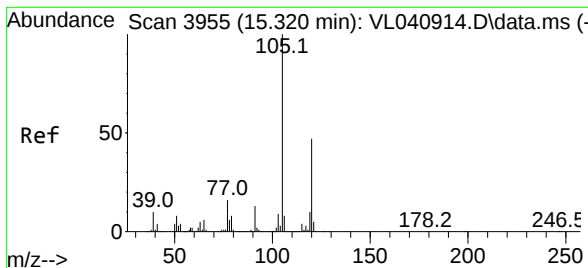
Tgt Ion: 91 Resp: 3381703
Ion Ratio Lower Upper
91 100
126 31.0 12.4 49.6



#72
4-Ethyltoluene
Concen: 8.092 ppbv
RT: 15.166 min Scan# 3907
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion: 105 Resp: 3420878
Ion Ratio Lower Upper
105 100
120 29.8 23.8 35.8
91 13.6 10.9 16.3
77 14.5 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 8.080 ppbv

RT: 15.320 min Scan# 3955

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

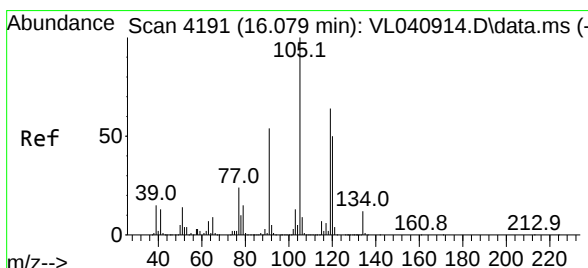
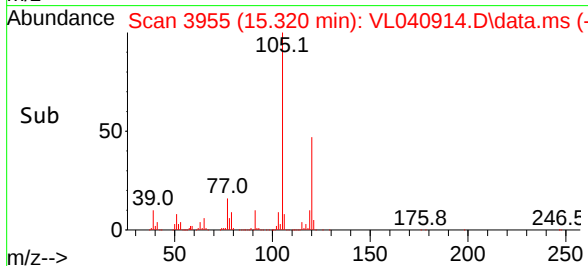
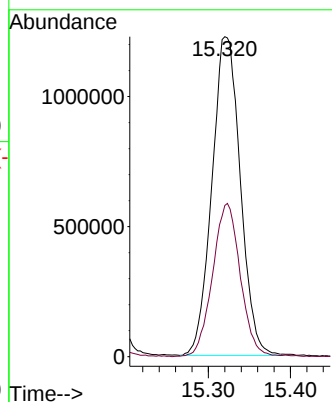
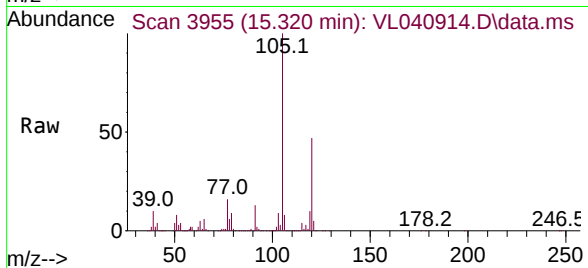
ClientSampleId :

Tgt Ion:105 Resp: 2947911

Ion Ratio Lower Upper

105 100

120 47.3 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 7.947 ppbv

RT: 16.079 min Scan# 4191

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Tgt Ion:105 Resp: 3227089

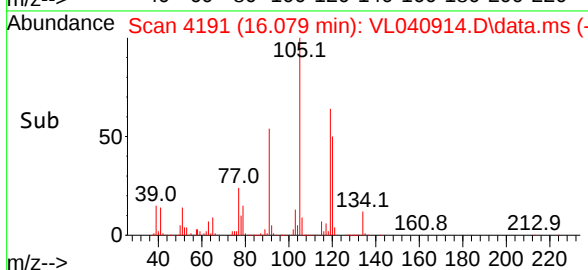
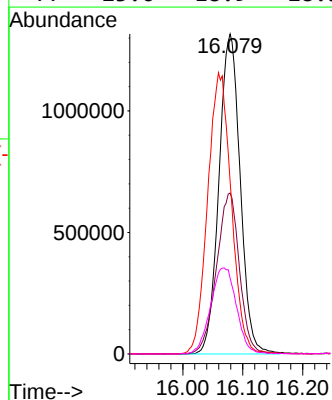
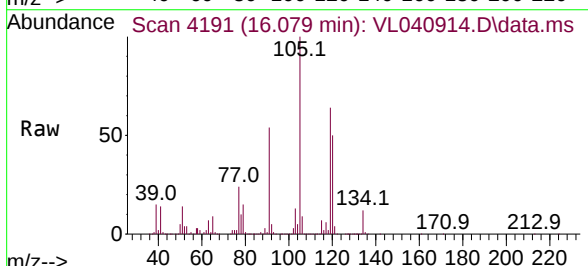
Ion Ratio Lower Upper

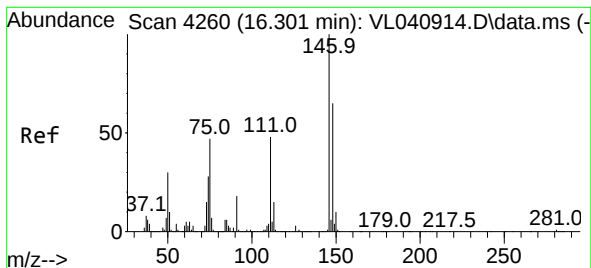
105 100

120 50.3 40.2 60.4

91 53.8 43.0 64.6

77 23.6 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 7.902 ppbv

RT: 16.301 min Scan# 4260

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

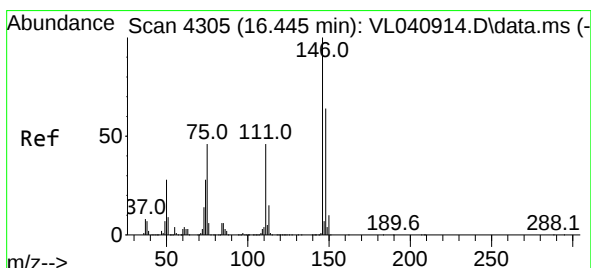
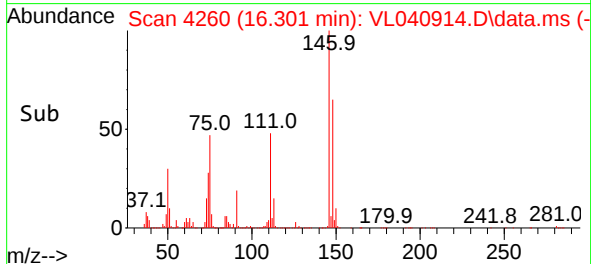
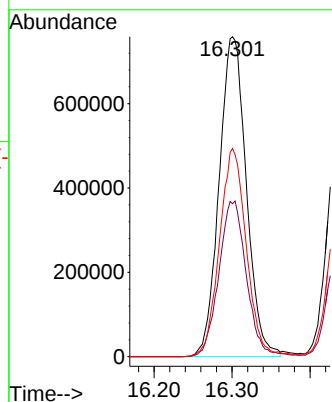
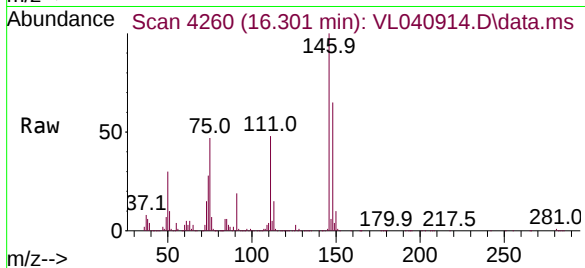
Tgt Ion:146 Resp: 1838907

Ion Ratio Lower Upper

146 100

111 49.4 24.7 74.1

148 64.3 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 7.856 ppbv

RT: 16.445 min Scan# 4305

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

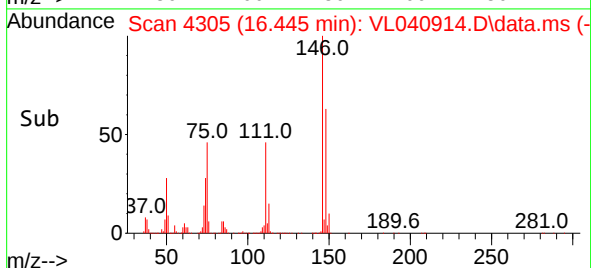
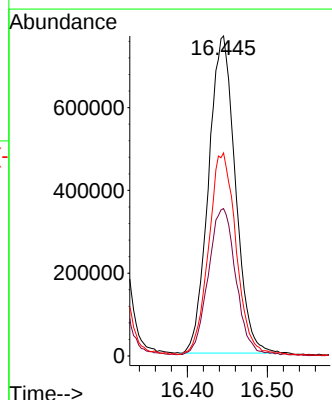
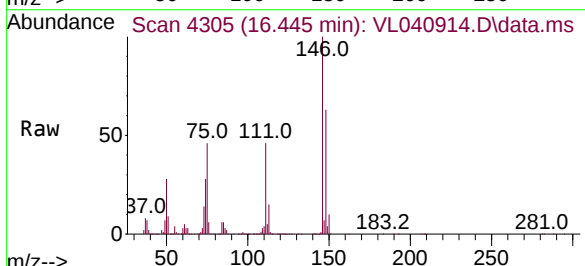
Tgt Ion:146 Resp: 1785248

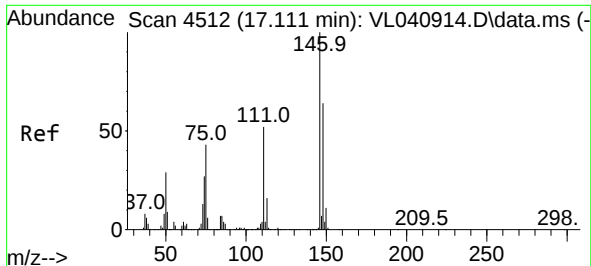
Ion Ratio Lower Upper

146 100

111 48.3 24.1 72.4

148 66.4 33.2 99.6

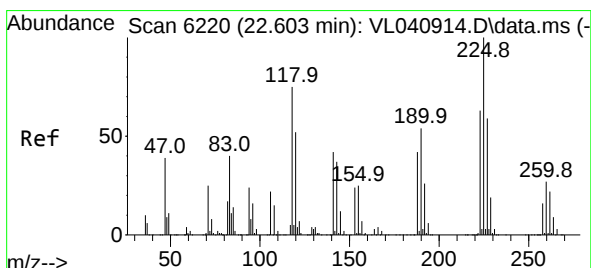
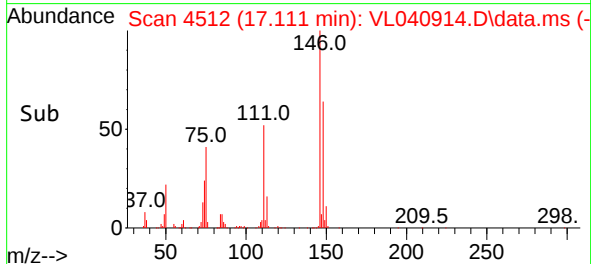
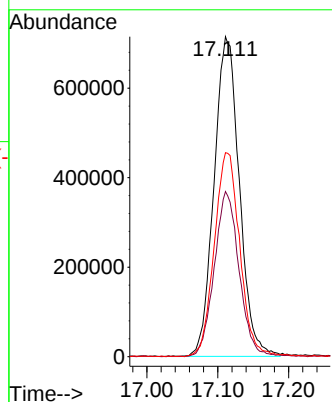
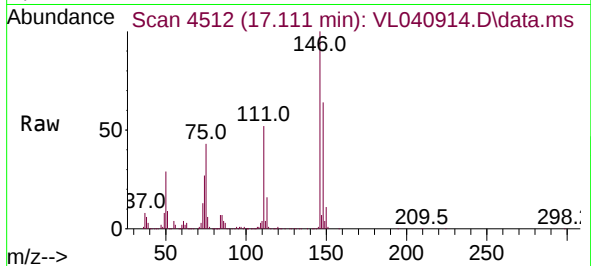




#77
1,2-Dichlorobenzene
Concen: 7.884 ppbv
RT: 17.111 min Scan# 4512
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

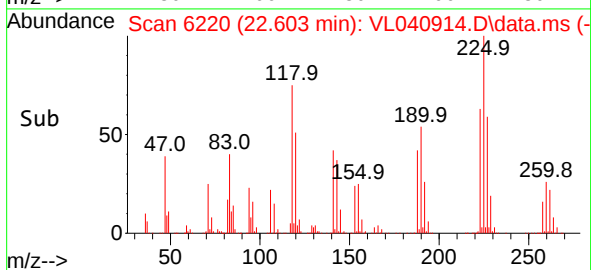
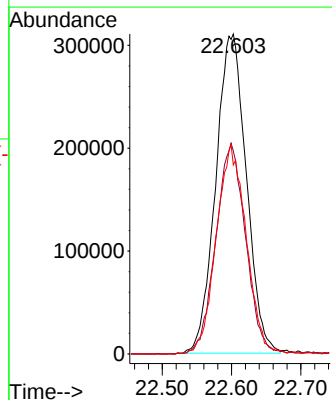
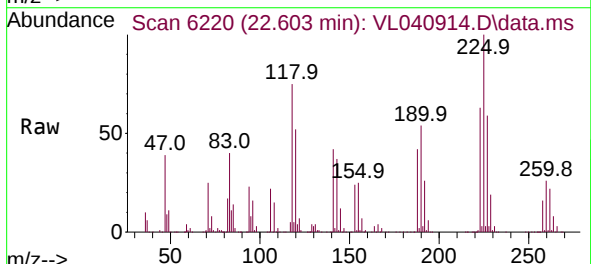
Instrument :
MSVOA_L
ClientSampleId :

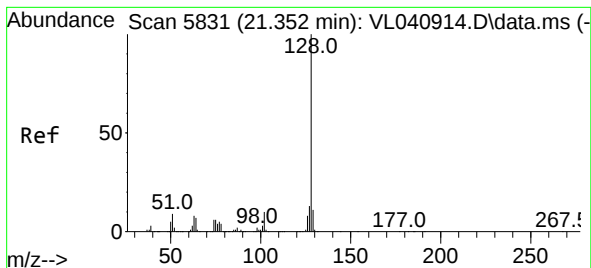
Tgt Ion:146 Resp: 1769715
Ion Ratio Lower Upper
146 100
111 51.0 25.5 76.5
148 64.4 32.2 96.6



#78
Hexachloro-1,3-Butadiene
Concen: 6.831 ppbv
RT: 22.603 min Scan# 6220
Delta R.T. 0.000 min
Lab File: VL040914.D
Acq: 20 Dec 2023 11:07

Tgt Ion:225 Resp: 951308
Ion Ratio Lower Upper
225 100
223 64.4 51.5 77.3
227 64.6 51.7 77.5





#79

Naphthalene

Concen: 10.557 ppbv

RT: 21.352 min Scan# 5831

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :

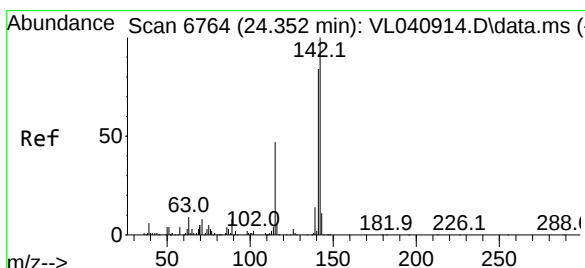
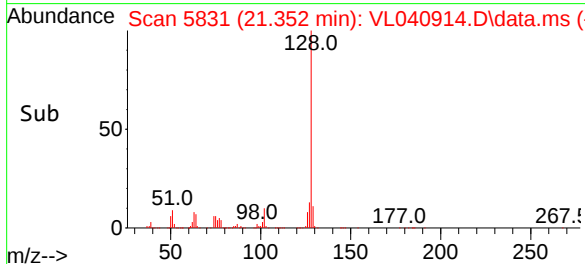
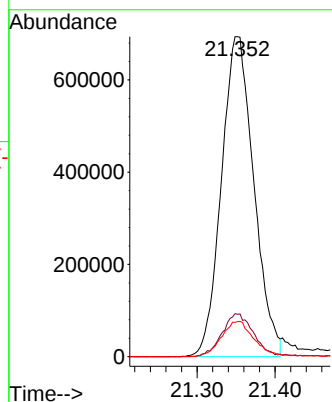
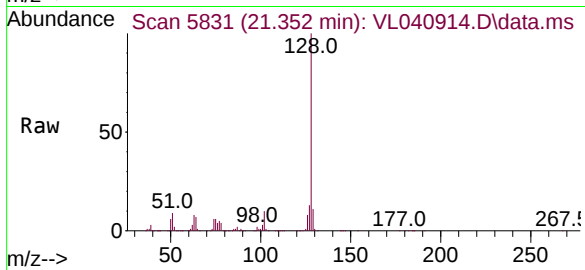
Tgt Ion:128 Resp: 2004860

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.9 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 9.583 ppbv

RT: 24.352 min Scan# 6764

Delta R.T. 0.000 min

Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

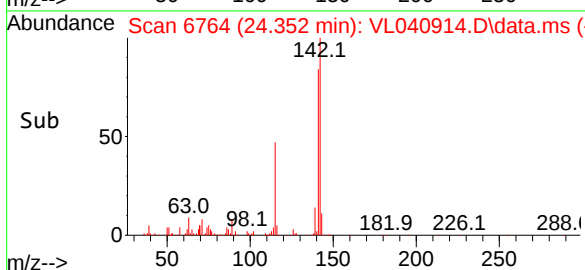
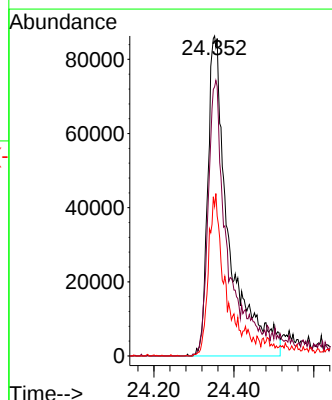
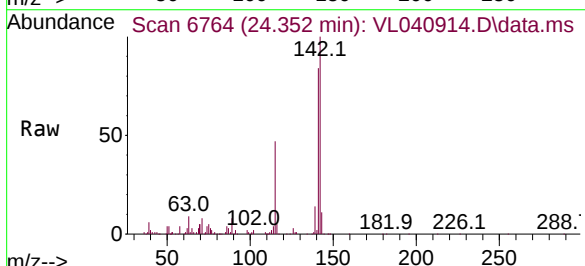
Tgt Ion:142 Resp: 318132

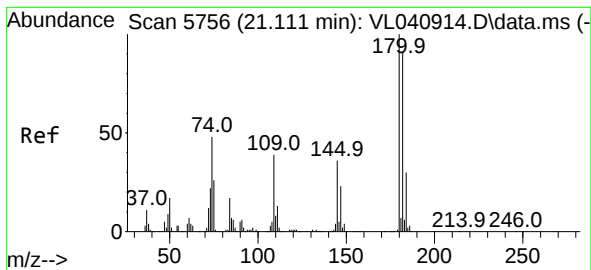
Ion Ratio Lower Upper

142 100

141 85.6 68.5 102.7

115 43.1 34.5 51.7





#81

1,2,4-Trichlorobenzene

Concen: 9.088 ppbv

RT: 21.111 min Scan# 51

Delta R.T. 0.000 min

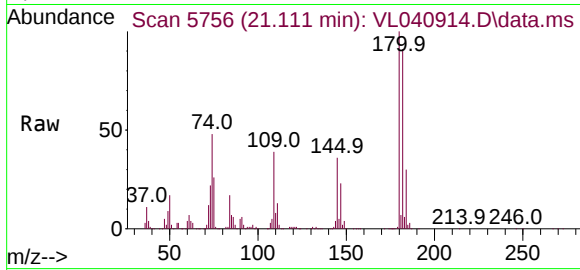
Lab File: VL040914.D

Acq: 20 Dec 2023 11:07

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1034411

Ion Ratio Lower Upper

180 100

182 99.2 79.4 119.0

184 30.6 24.5 36.7

