

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040921.D
 Acq On : 20 Dec 2023 16:35
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL122023

Quant Time: Dec 21 07:35:41 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 07:32:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1290547	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3235813	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	3116043	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2244669	9.780	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	2227294	9.061	ppbv	98
3) Chlorodifluoromethane	2.693	51	1745539	8.988	ppbv	99
4) Chloromethane	2.832	50	647904	9.048	ppbv	97
5) Vinyl Chloride	2.938	62	679596	9.832	ppbv	100
6) Bromomethane	3.134	94	294505	9.604	ppbv	96
7) Chloroethane	3.211	64	241260	9.790	ppbv	95
8) Dichlorotetrafluoroethane	2.873	85	1648023	9.305	ppbv	99
9) Propene	2.713	41	610042	9.520	ppbv	100
10) Heptane	7.561	43	1520220	9.544	ppbv	99
11) Trichlorofluoromethane	3.571	101	1774423	9.233	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	1285259	8.612	ppbv	97
13) Ethanol	3.250	45	123211	7.622	ppbv	97
14) Bromoethene	3.375	108	528511	9.662	ppbv	98
15) Acetone	3.478	43	1241741	8.023	ppbv	100
16) 1,3-Butadiene	2.999	39	665850	9.991	ppbv	95
17) tert-Butyl alcohol	3.883	59	1064179	9.294	ppbv	98
18) 1,1-Dichloroethene	3.886	96	578074	9.381	ppbv	95
19) Isopropyl Alcohol	3.581	45	727018	9.002	ppbv	100
20) Methylene Chloride	3.938	84	455334	8.253	ppbv	97
21) Allyl Chloride	3.999	41	847857	9.267	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	612947	8.724	ppbv	98
23) Vinyl Acetate	4.626	43	1816353	10.637	ppbv	99
24) 1,1-Dichloroethane	4.565	63	1434532	9.392	ppbv	99
25) Ethyl Acetate	5.198	43	2591121	9.661	ppbv	99
26) Hexane	5.208	57	1124737	9.463	ppbv	99
27) Carbon Disulfide	4.127	76	1479300	9.196	ppbv	98
28) Methyl tert-Butyl Ether	4.584	73	1086785	9.853	ppbv	100
29) Chloroform	5.269	83	1877096	9.358	ppbv	99
30) Cyclohexane	6.590	84	961641	9.704	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	1184504	9.701	ppbv	99
32) 1,1,1-Trichloroethane	5.995	97	1865125	9.618	ppbv	99
34) 2-Butanone	4.780	43	1656744	9.679	ppbv	100
35) Carbon Tetrachloride	6.484	117	1985695	9.799	ppbv	99
36) Benzene	6.359	78	2390426	9.450	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1449058	9.561	ppbv	100
38) Trichloroethene	7.275	130	939980	9.894	ppbv	98
39) 1,2-Dichloropropane	7.060	63	936850	9.425	ppbv	99
40) 1,4-Dioxane	7.269	88	371935	8.862	ppbv	98
41) Tetrahydrofuran	5.549	42	1013824	9.735	ppbv	98
42) Bromodichloromethane	7.233	83	2106107	9.635	ppbv	98
43) Methyl Methacrylate	7.455	69	998922	10.068	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	3945848	9.183	ppbv	100
45) t-1,3-Dichloropropene	8.690	75	829218	11.265	ppbv	98

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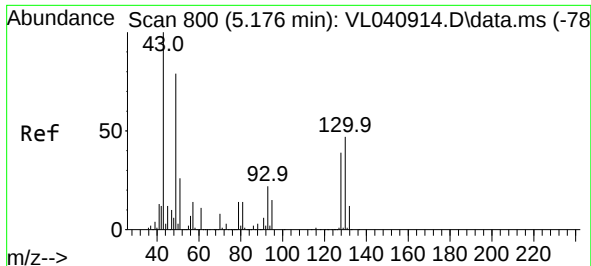
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	966569	10.606	ppbv	97
47) 1,1,2-Trichloroethane	8.880	97	1004669	9.528	ppbv	99
48) Dibromochloromethane	9.690	129	1807591	10.043	ppbv	99
49) Bromoform	12.381	173	1437803	10.353	ppbv	100
50) 4-Methyl-2-Pentanone	8.159	43	2505116	9.663	ppbv	99
51) 2-Hexanone	9.526	43	1858472	9.960	ppbv #	99
52) Tetrachloroethene	10.593	164	815446	9.570	ppbv	98
53) Toluene	9.198	91	2727481	9.724	ppbv	100
54) 1,2-Dibromoethane	9.986	107	1455677	10.060	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.481	131	1272411	9.338	ppbv	99
57) Chlorobenzene	11.500	112	2097218	9.140	ppbv	99
58) Ethyl Benzene	12.063	91	3668267	9.165	ppbv	99
59) m/p-Xylene	12.346	91	3307470	9.715	ppbv #	100
60) o-Xylene	13.034	91	2948232	9.191	ppbv	100
61) Styrene	12.870	104	1563779	10.255	ppbv	99
62) Isopropylbenzene	14.005	105	4306327	9.053	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.021	83	2166389	9.375	ppbv	99
64) n-propylbenzene	14.889	120	1128197	9.455	ppbv	99
65) tert-Butylbenzene	16.063	119	3769896	9.324	ppbv	99
66) Benzyl Chloride	16.304	91	333686	12.060	ppbv	100
67) sec-Butylbenzene	16.609	105	5300047	9.020	ppbv	100
69) p-Isopropyltoluene	16.969	119	4313178	9.444	ppbv	99
70) n-Butylbenzene	17.863	91	4549064	9.594	ppbv	100
71) 2-Chlorotoluene	14.773	91	3380458	9.228	ppbv	100
72) 4-Ethyltoluene	15.166	105	3397923	9.652	ppbv	99
73) 1,3,5-Trimethylbenzene	15.326	105	2952992	9.718	ppbv	97
74) 1,2,4-Trimethylbenzene	16.079	105	3217745	9.515	ppbv	94
75) 1,3-Dichlorobenzene	16.304	146	1863053	9.645	ppbv	98
76) 1,4-Dichlorobenzene	16.445	146	1823244	9.649	ppbv	99
77) 1,2-Dichlorobenzene	17.114	146	1770836	9.516	ppbv	99
78) Hexachloro-1,3-Butadiene	22.603	225	962957	8.414	ppbv	100
79) Naphthalene	21.355	128	2189996	13.441	ppbv	98
80) Naphthalene,2-methyl-	24.355	142	460935	15.478	ppbv	95
81) 1,2,4-Trichlorobenzene	21.114	180	1086434	11.614	ppbv	100

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
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QLast Update : Thu Dec 21 07:32:42 2023
Response via : Initial Calibration

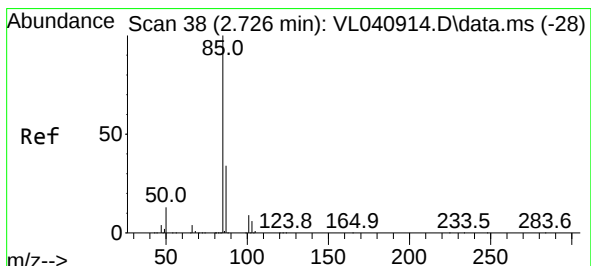
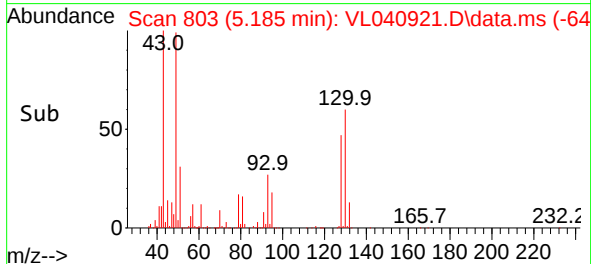
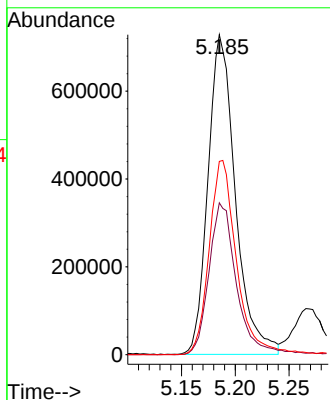
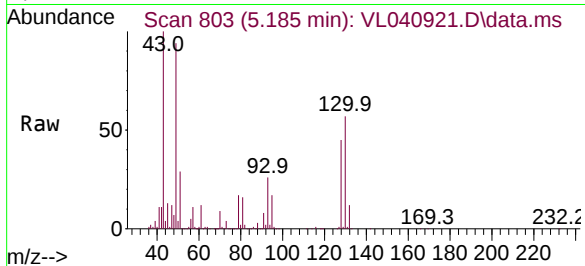




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. 0.009 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

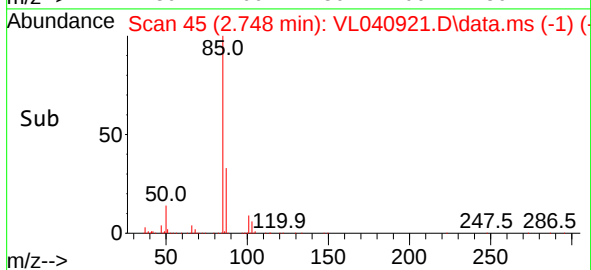
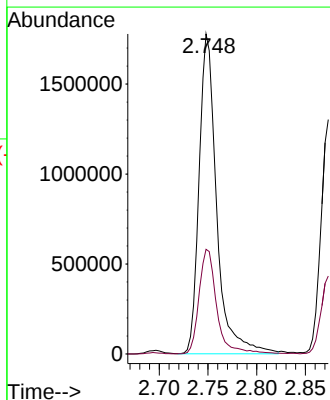
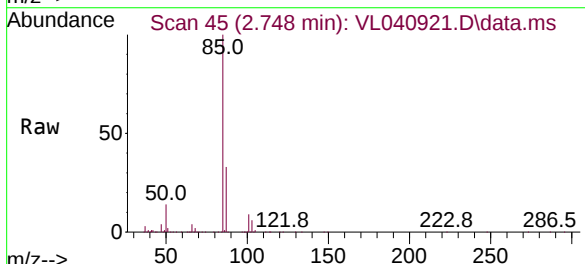
Instrument :
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 ClientSampleId :
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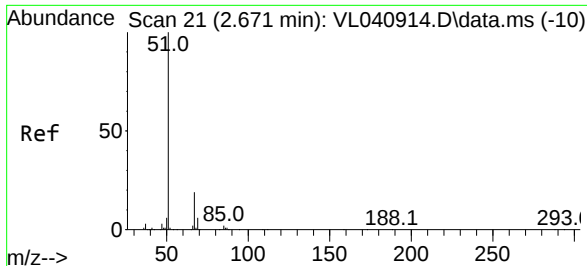
Tgt Ion: 49 Resp: 1290547
 Ion Ratio Lower Upper
 49 100
 128 48.6 23.8 71.2
 130 61.6 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 9.061 ppbv
 RT: 2.748 min Scan# 45
 Delta R.T. 0.022 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

Tgt Ion: 85 Resp: 2227294
 Ion Ratio Lower Upper
 85 100
 87 32.6 27.0 40.6

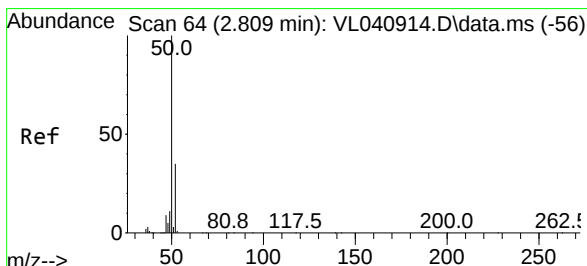
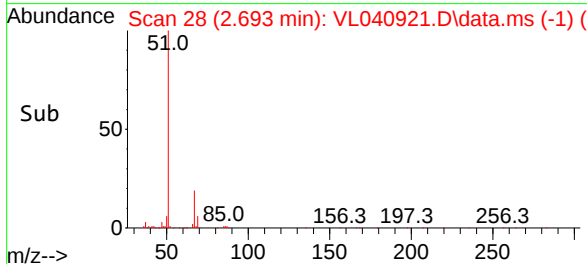
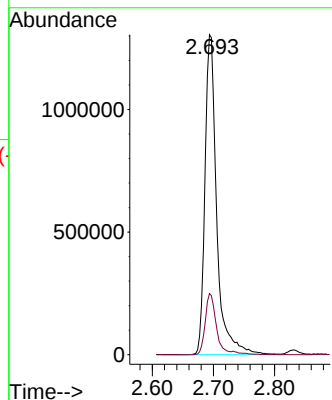
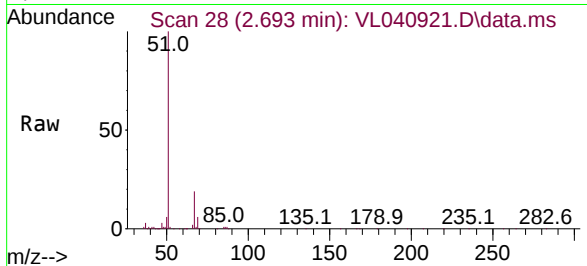




#3
Chlorodifluoromethane
Concen: 8.988 ppbv
RT: 2.693 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

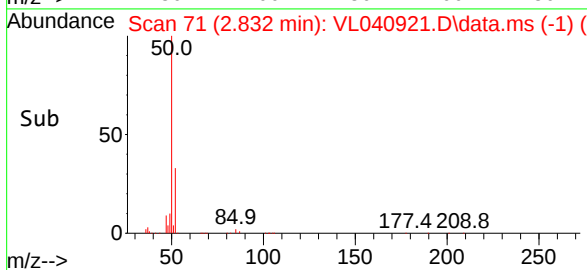
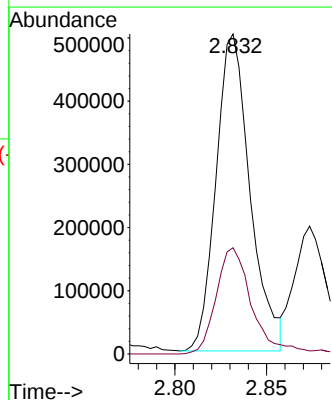
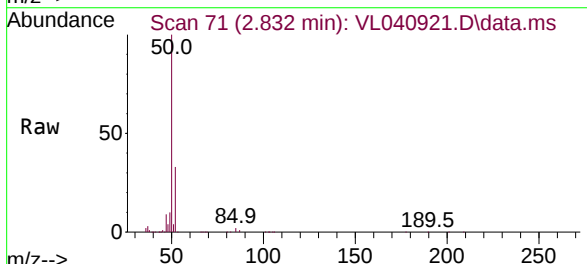
Instrument :
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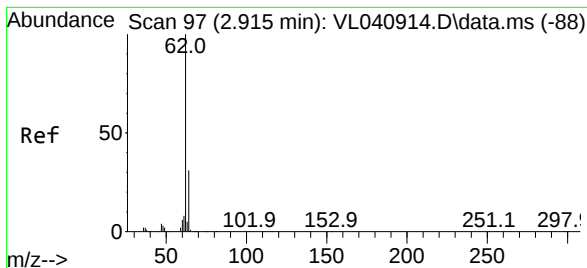
Tgt Ion: 51 Resp: 1745539
Ion Ratio Lower Upper
51 100
67 18.6 14.7 22.1



#4
Chloromethane
Concen: 9.048 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.022 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 50 Resp: 647904
Ion Ratio Lower Upper
50 100
52 33.5 28.0 42.0

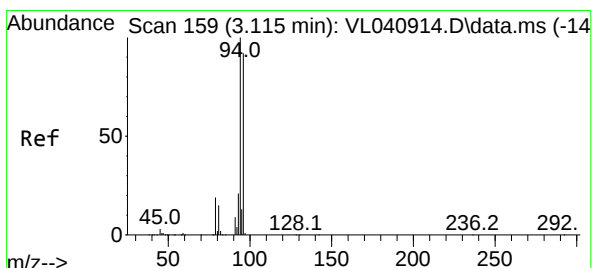
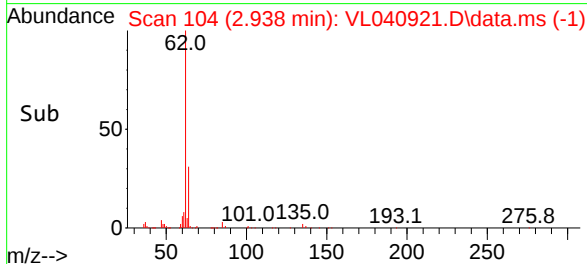
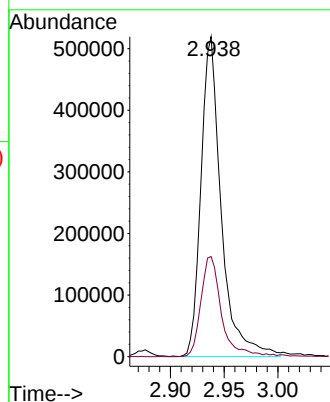
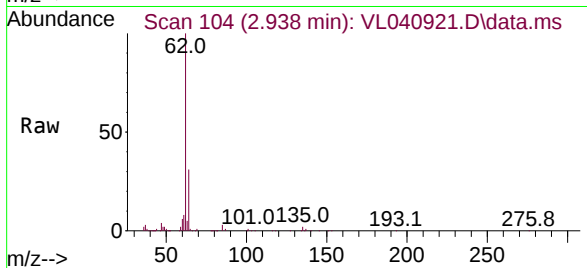




#5
 Vinyl Chloride
 Concen: 9.832 ppbv
 RT: 2.938 min Scan# 104
 Delta R.T. 0.022 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

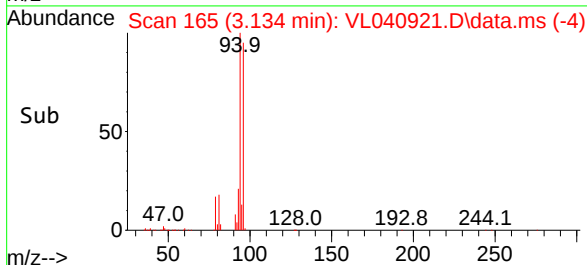
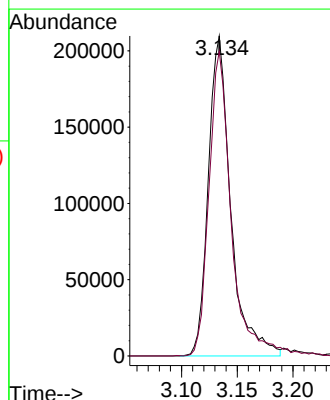
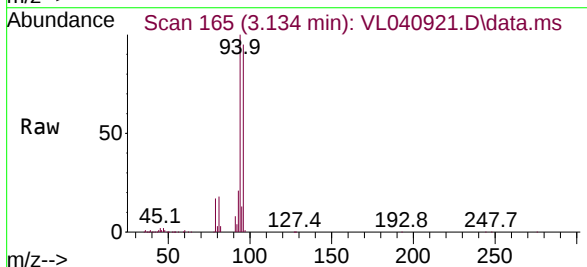
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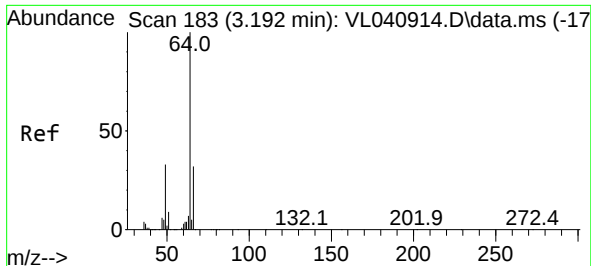
Tgt Ion: 62 Resp: 679596
 Ion Ratio Lower Upper
 62 100
 64 31.3 24.9 37.3



#6
 Bromomethane
 Concen: 9.604 ppbv
 RT: 3.134 min Scan# 165
 Delta R.T. 0.019 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

Tgt Ion: 94 Resp: 294505
 Ion Ratio Lower Upper
 94 100
 96 95.1 73.2 109.8

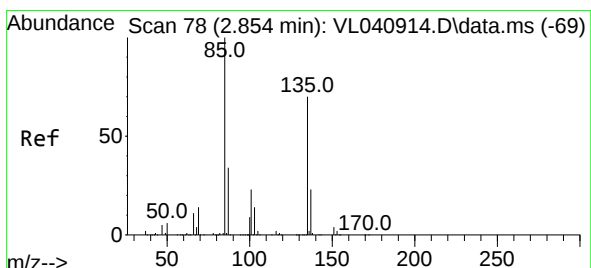
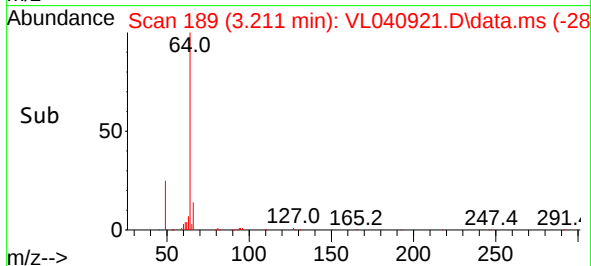
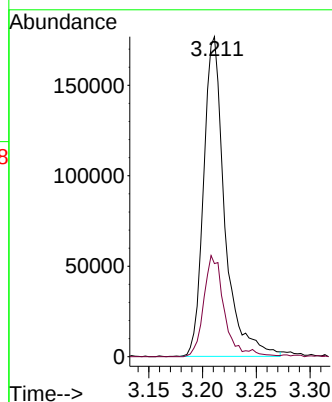
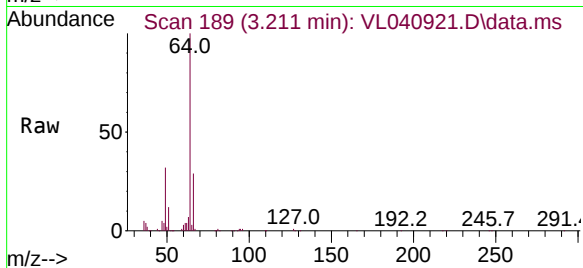




#7
Chloroethane
Concen: 9.790 ppbv
RT: 3.211 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

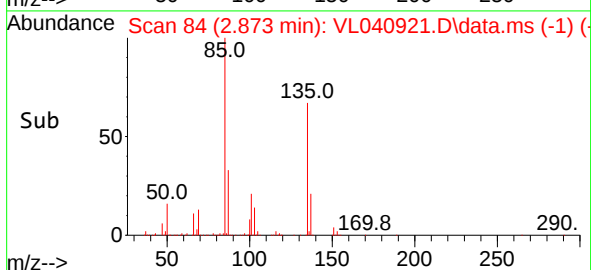
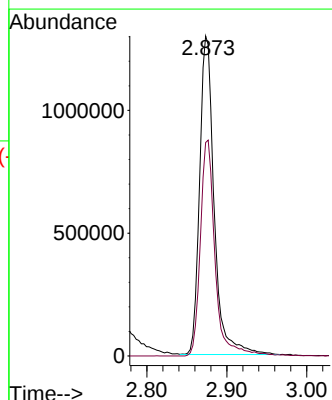
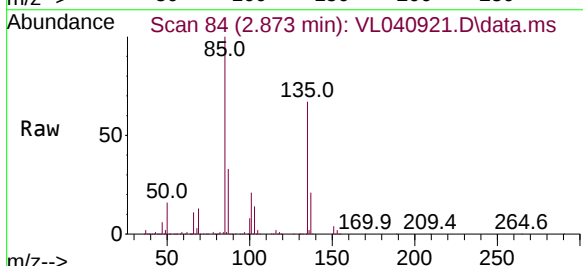
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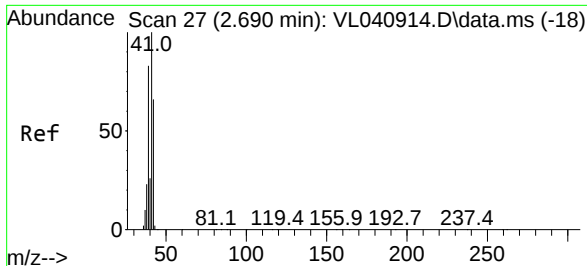
Tgt Ion: 64 Resp: 241260
Ion Ratio Lower Upper
64 100
66 29.1 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 9.305 ppbv
RT: 2.873 min Scan# 84
Delta R.T. 0.019 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 85 Resp: 1648023
Ion Ratio Lower Upper
85 100
135 68.9 55.8 83.8





#9

Propene

Concen: 9.520 ppbv

RT: 2.713 min Scan# 34

Delta R.T. 0.022 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

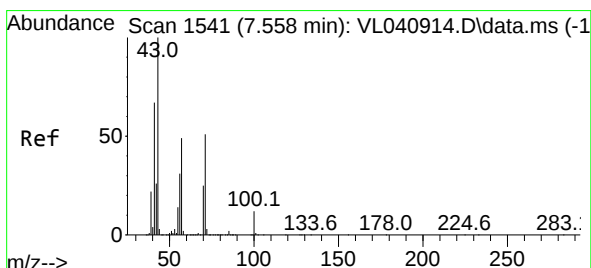
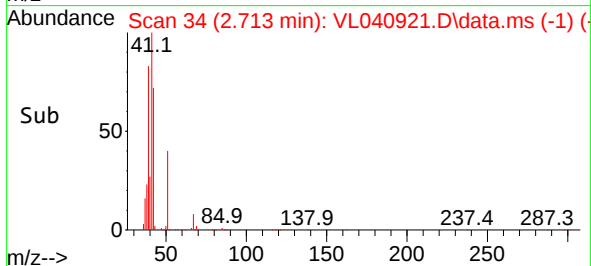
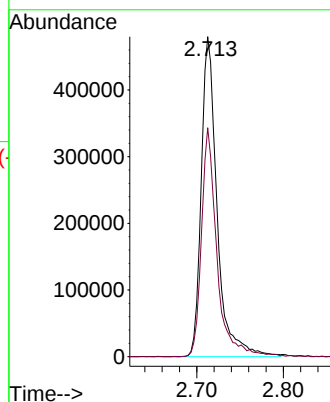
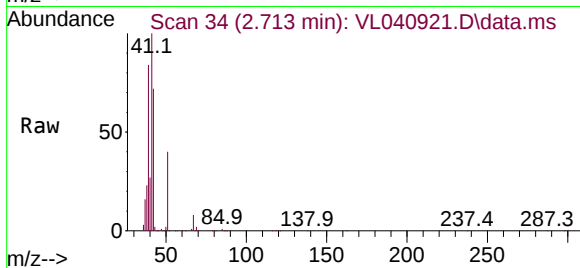
ICVVL122023

Tgt Ion: 41 Resp: 610042

Ion Ratio Lower Upper

41 100

42 69.8 55.8 83.6



#10

Heptane

Concen: 9.544 ppbv

RT: 7.561 min Scan# 1542

Delta R.T. 0.003 min

Lab File: VL040921.D

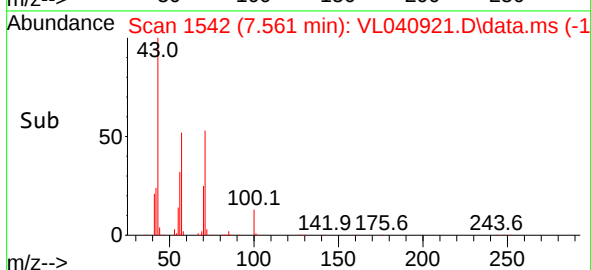
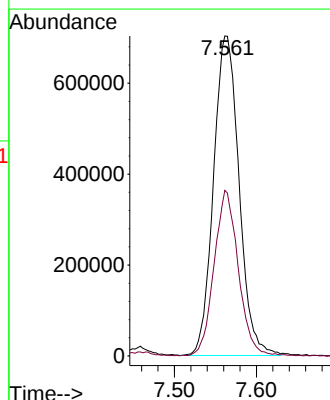
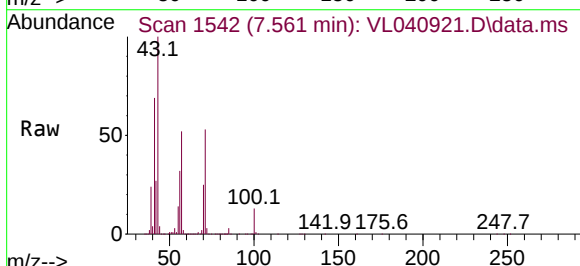
Acq: 20 Dec 2023 16:35

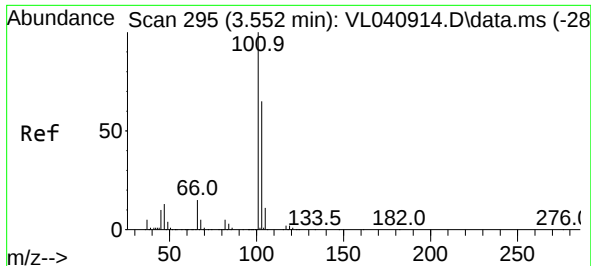
Tgt Ion: 43 Resp: 1520220

Ion Ratio Lower Upper

43 100

57 49.5 39.3 58.9





#11

Trichlorofluoromethane

Concen: 9.233 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.019 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

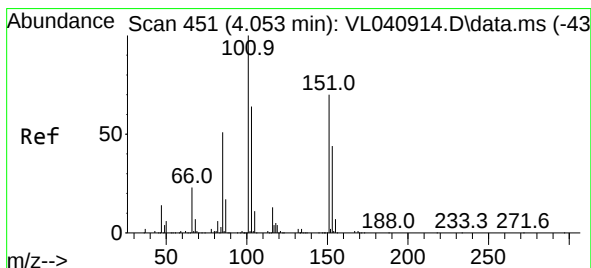
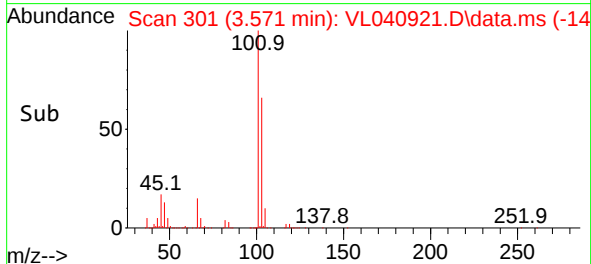
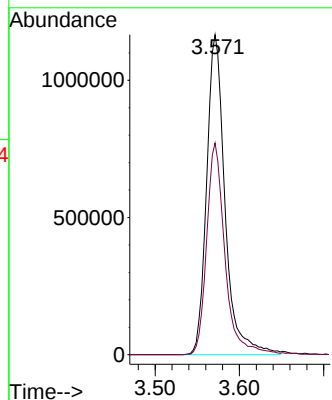
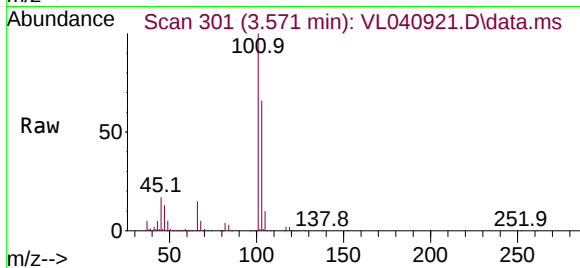
ICVVL122023

Tgt Ion:101 Resp: 1774423

Ion Ratio Lower Upper

101 100

103 66.1 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.612 ppbv

RT: 4.070 min Scan# 456

Delta R.T. 0.016 min

Lab File: VL040921.D

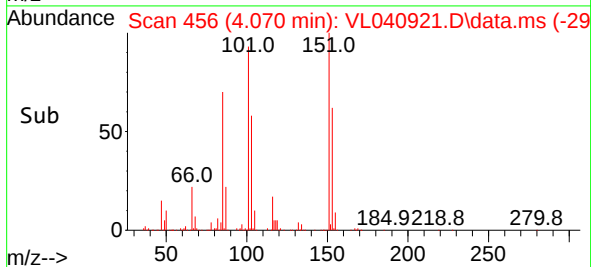
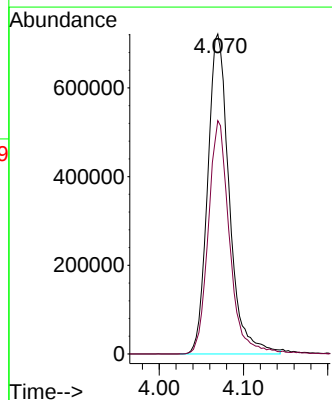
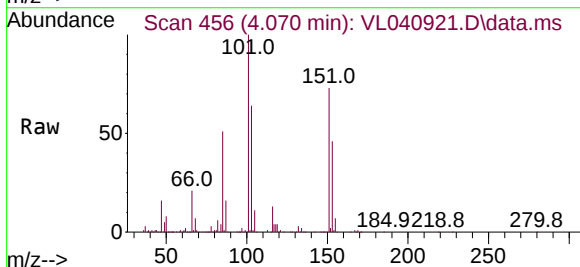
Acq: 20 Dec 2023 16:35

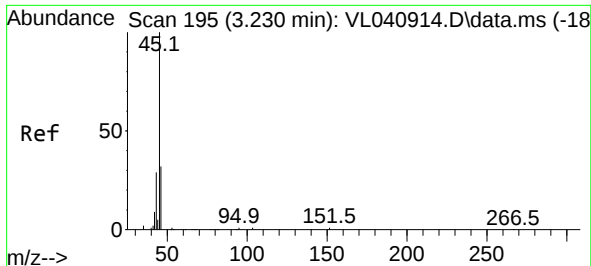
Tgt Ion:101 Resp: 1285259

Ion Ratio Lower Upper

101 100

151 72.0 55.8 83.8

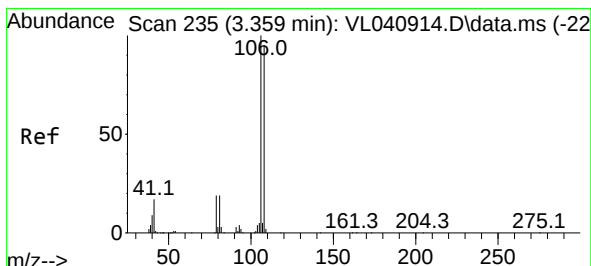
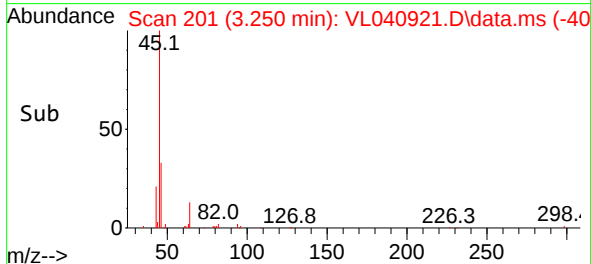
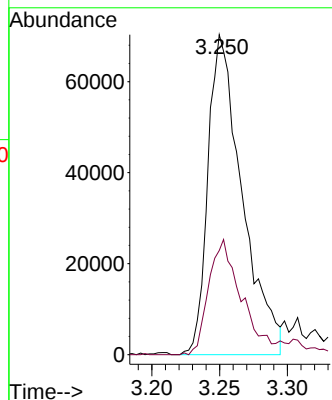
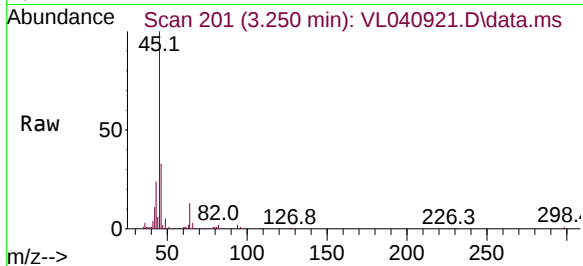




#13
Ethanol
Concen: 7.622 ppbv
RT: 3.250 min Scan# 20
Delta R.T. 0.019 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

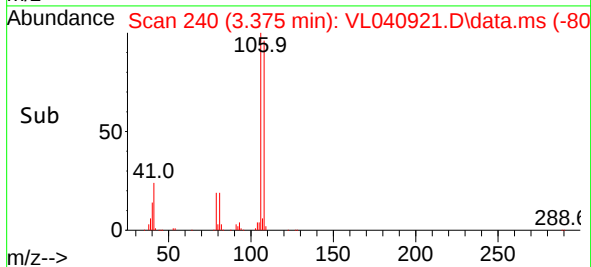
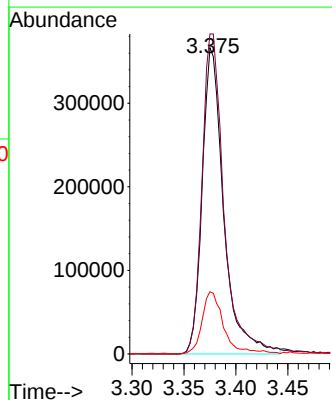
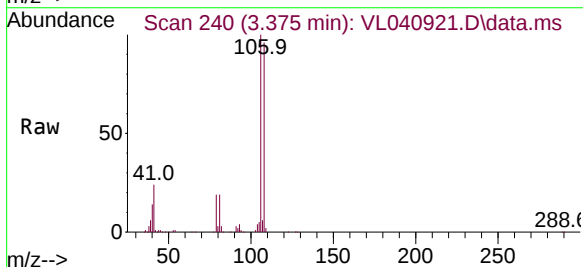
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

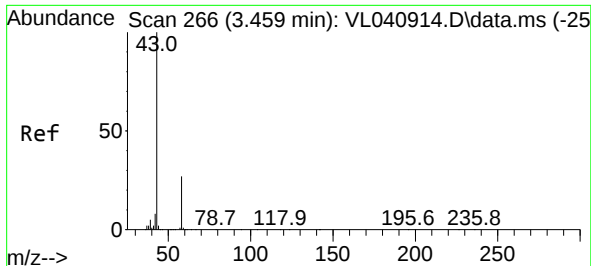
Tgt Ion: 45 Resp: 123211
Ion Ratio Lower Upper
45 100
46 39.4 15.0 60.0



#14
Bromoethene
Concen: 9.662 ppbv
RT: 3.375 min Scan# 240
Delta R.T. 0.016 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion:108 Resp: 528511
Ion Ratio Lower Upper
108 100
106 107.6 87.5 131.3
79 20.6 16.6 24.8





#15

Acetone

Concen: 8.023 ppbv

RT: 3.478 min Scan# 21

Delta R.T. 0.019 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

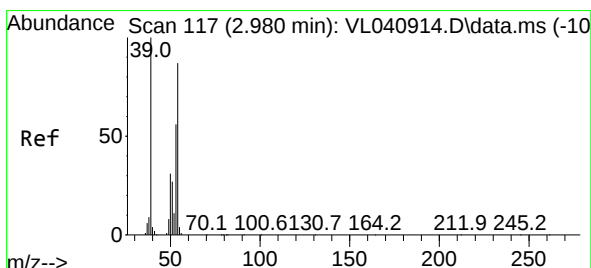
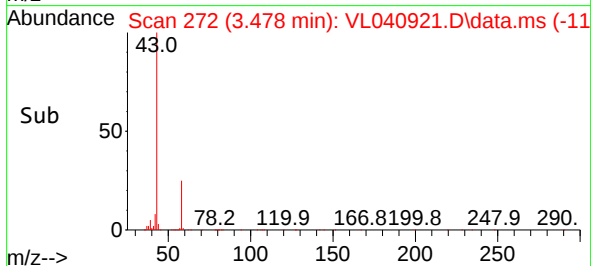
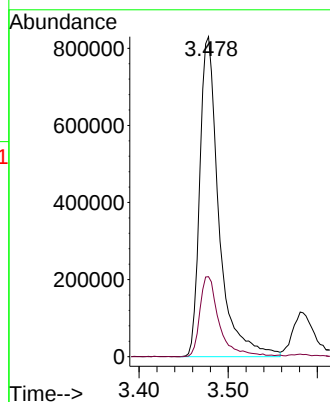
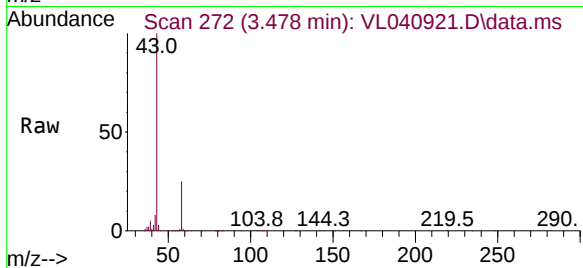
ICVVL122023

Tgt Ion: 43 Resp: 1241741

Ion Ratio Lower Upper

43 100

58 25.5 20.6 30.8



#16

1,3-Butadiene

Concen: 9.991 ppbv

RT: 2.999 min Scan# 123

Delta R.T. 0.019 min

Lab File: VL040921.D

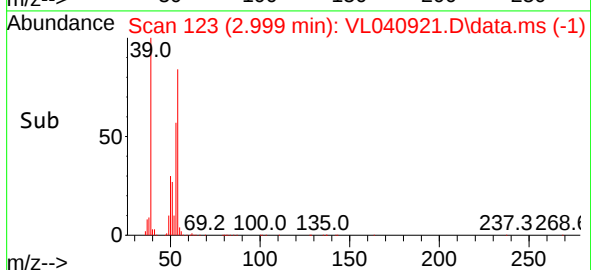
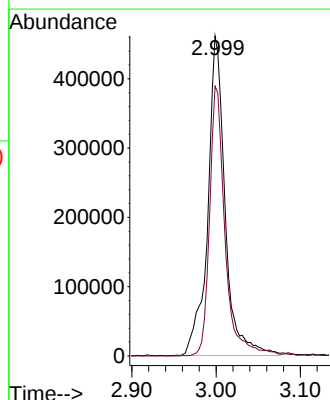
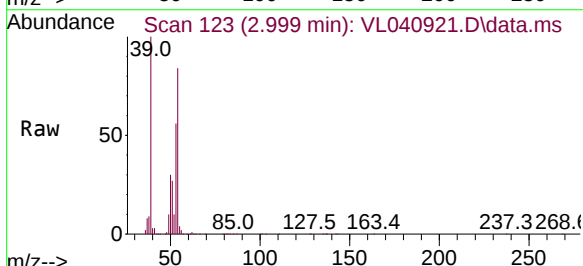
Acq: 20 Dec 2023 16:35

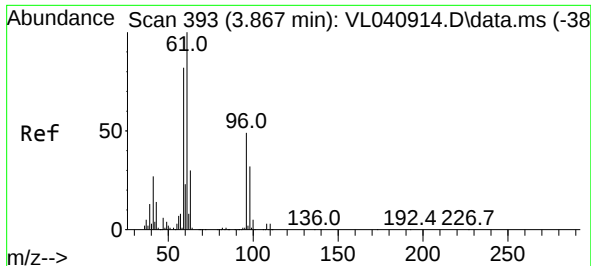
Tgt Ion: 39 Resp: 665850

Ion Ratio Lower Upper

39 100

54 75.4 63.8 95.6





#17

tert-Butyl alcohol

Concen: 9.294 ppbv

RT: 3.883 min Scan# 394

Delta R.T. 0.016 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

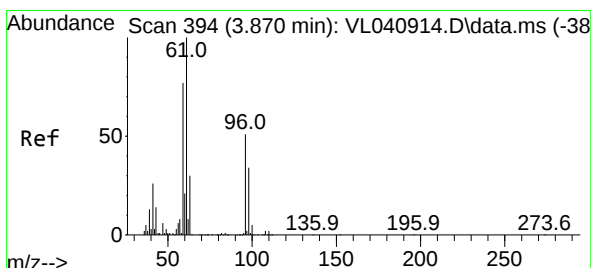
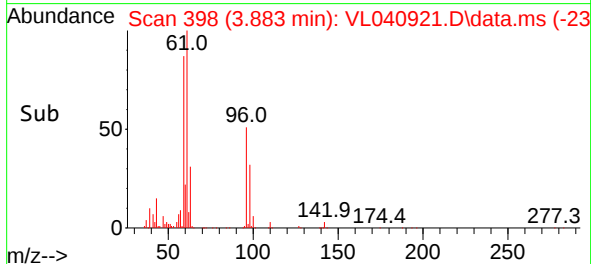
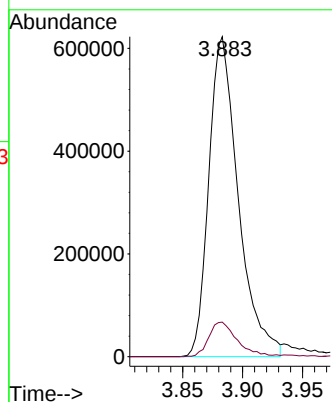
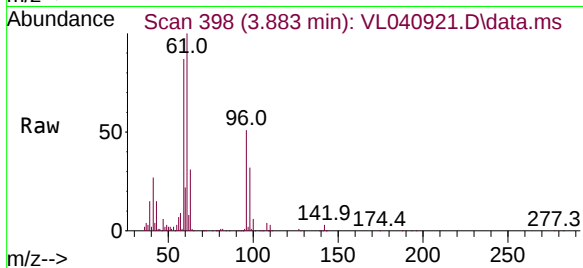
ICVVL122023

Tgt Ion: 59 Resp: 1064179

Ion Ratio Lower Upper

59 100

57 11.1 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.381 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.016 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

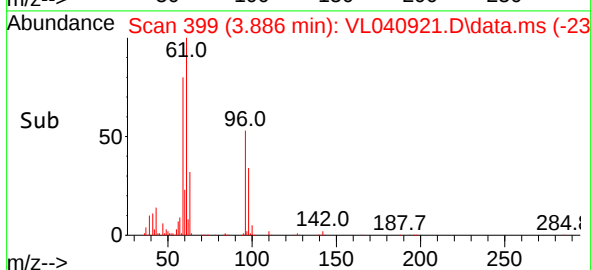
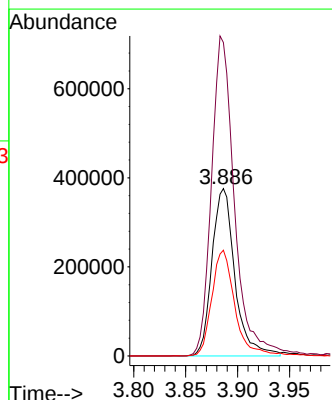
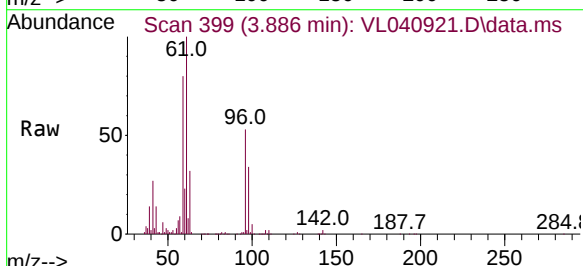
Tgt Ion: 96 Resp: 578074

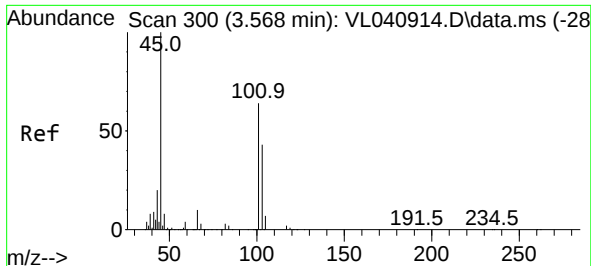
Ion Ratio Lower Upper

96 100

61 187.3 156.6 235.0

98 63.2 52.5 78.7

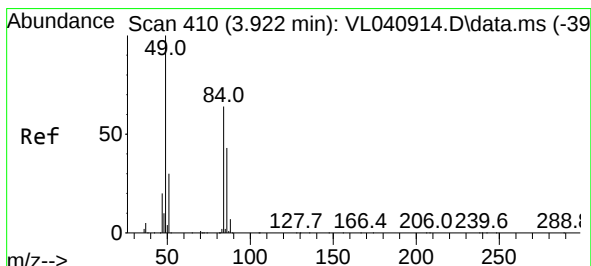
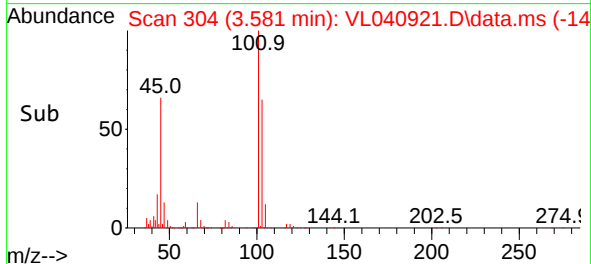
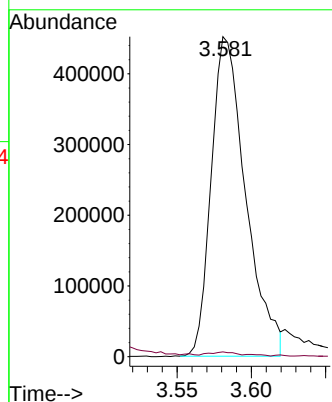
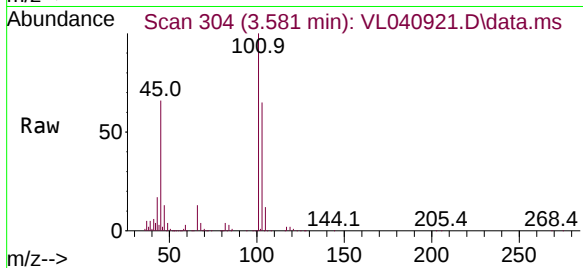




#19
Isopropyl Alcohol
Concen: 9.002 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.013 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

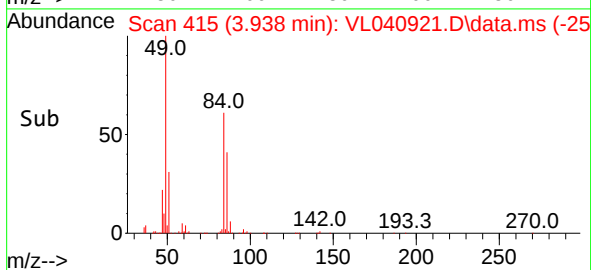
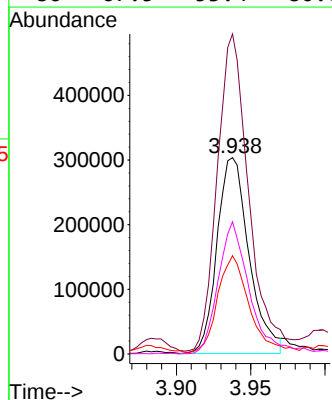
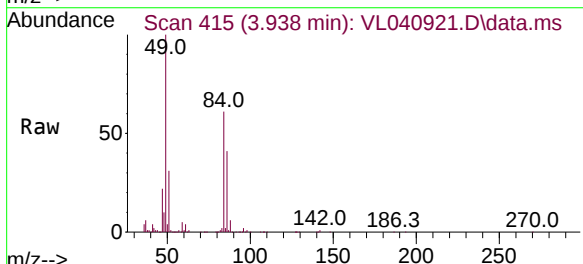
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

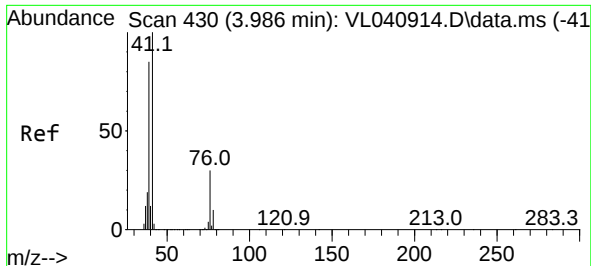
Tgt Ion: 45 Resp: 727018
Ion Ratio Lower Upper
45 100
58 1.9 1.5 2.3



#20
Methylene Chloride
Concen: 8.253 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.016 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 84 Resp: 455334
Ion Ratio Lower Upper
84 100
49 161.7 124.6 187.0
51 48.5 37.2 55.8
86 67.5 53.4 80.0





#21

Allyl Chloride

Concen: 9.267 ppbv

RT: 3.999 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

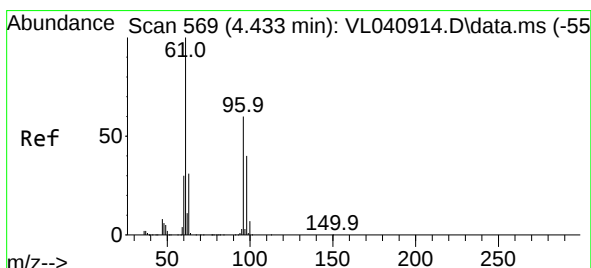
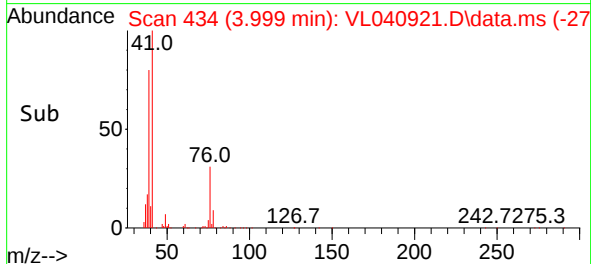
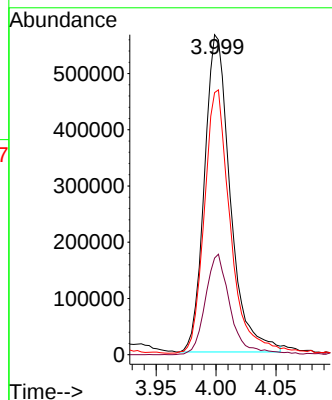
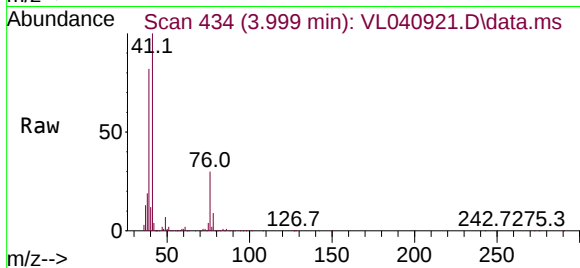
Tgt Ion: 41 Resp: 847857

Ion Ratio Lower Upper

41 100

76 30.9 23.9 35.9

39 85.4 66.5 99.7



#22

trans-1,2-Dichloroethene

Concen: 8.724 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.013 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

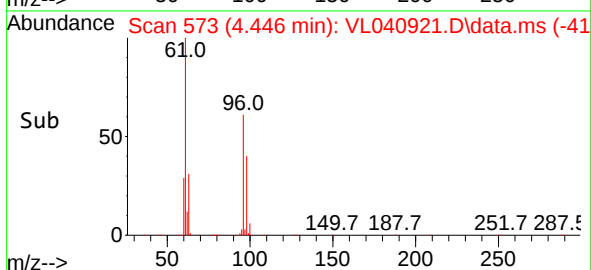
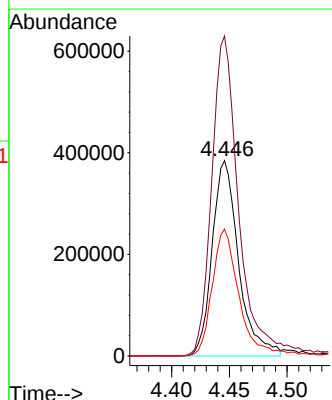
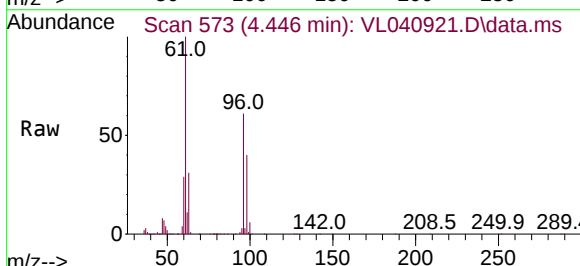
Tgt Ion: 96 Resp: 612947

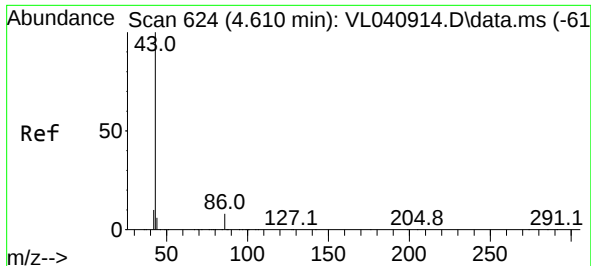
Ion Ratio Lower Upper

96 100

61 163.8 133.0 199.6

98 64.9 53.7 80.5



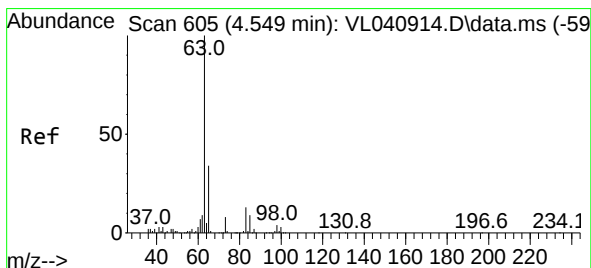
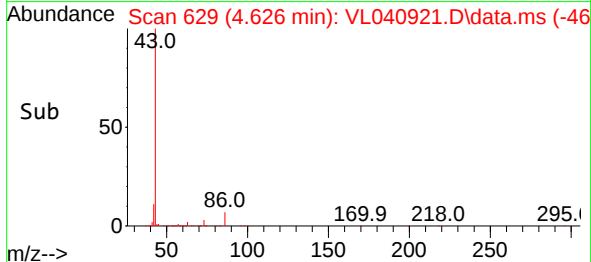
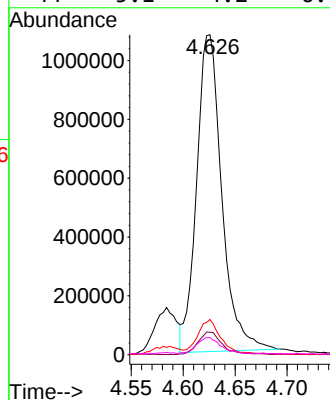
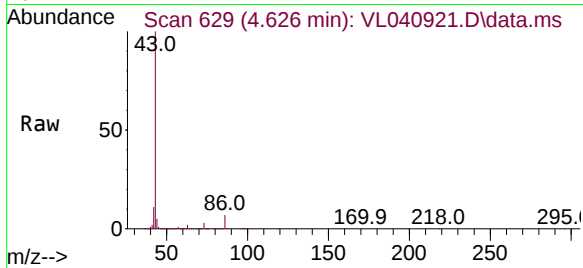


#23
 Vinyl Acetate
 Concen: 10.637 ppbv
 RT: 4.626 min Scan# 610
 Delta R.T. 0.016 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL122023

Tgt Ion: 43 Resp: 1816353

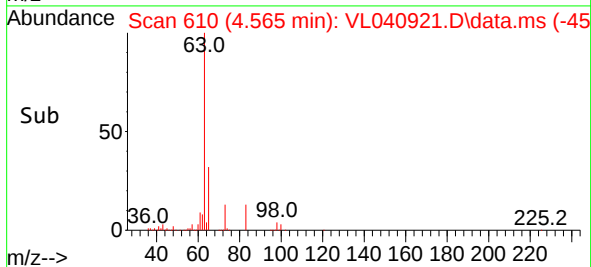
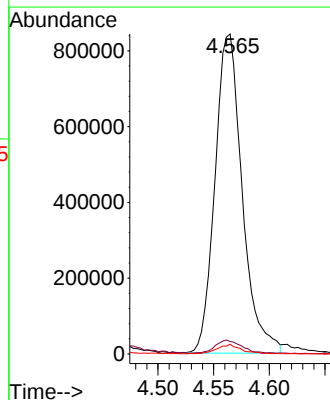
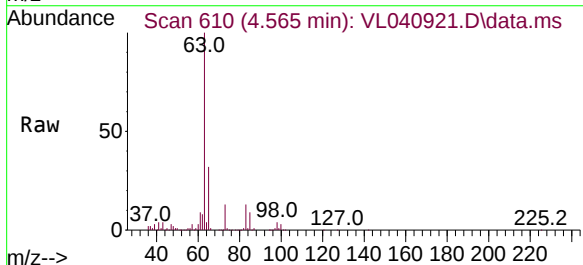
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.5	8.3
42	11.0	8.4	12.6
44	5.1	4.2	6.4

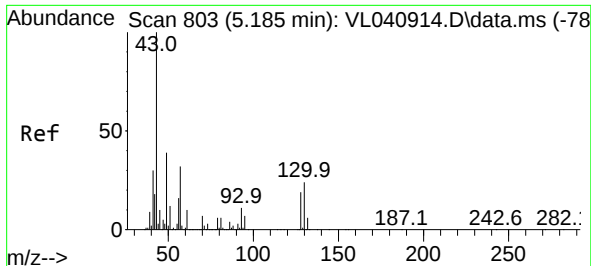


#24
 1,1-Dichloroethane
 Concen: 9.392 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.016 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

Tgt Ion: 63 Resp: 1434532

Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.1	6.5
100	3.0	1.4	4.2



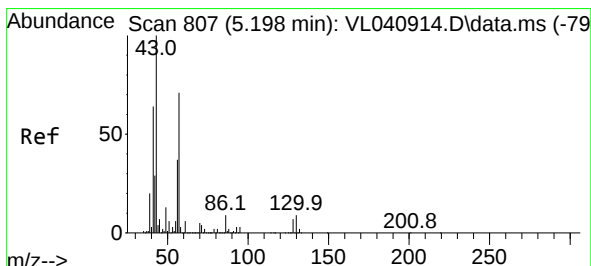
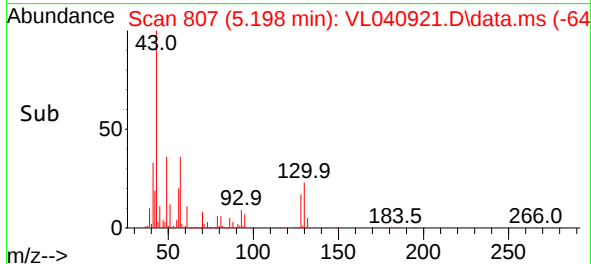
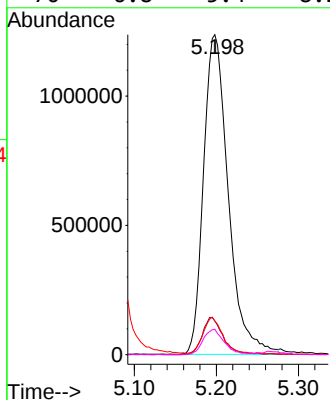
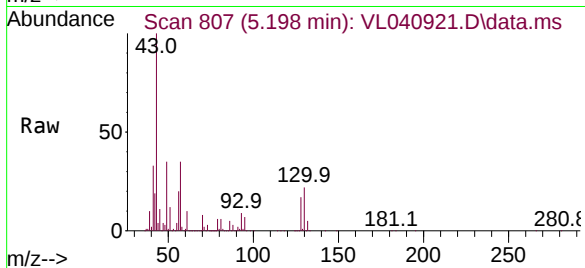


#25
Ethyl Acetate
Concen: 9.661 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

Tgt Ion: 43 Resp: 2591121

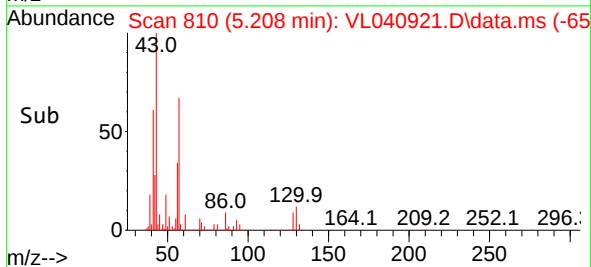
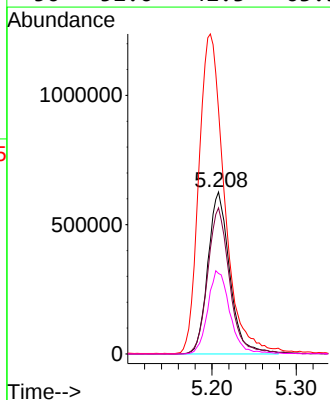
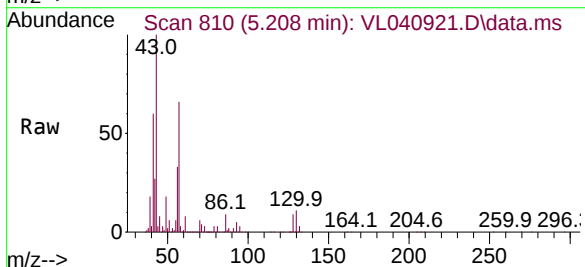
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.2
61	9.8	7.6	11.4
70	6.8	5.4	8.2

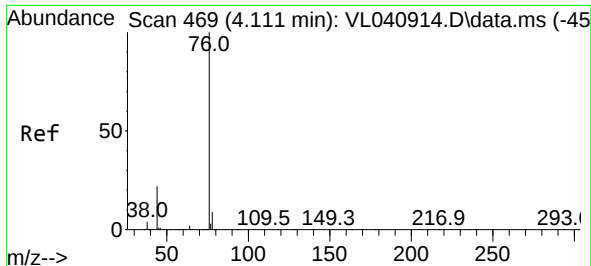


#26
Hexane
Concen: 9.463 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 57 Resp: 1124737

Ion	Ratio	Lower	Upper
57	100		
41	91.9	75.2	112.8
43	233.0	188.0	282.0
56	52.6	42.3	63.5

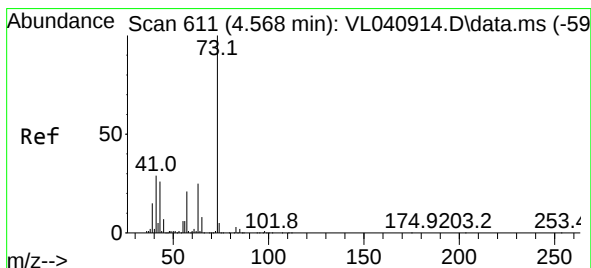
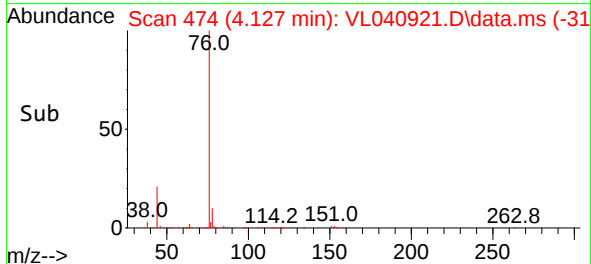
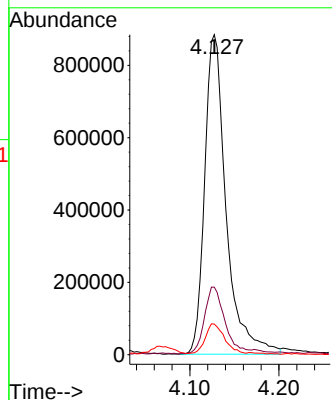
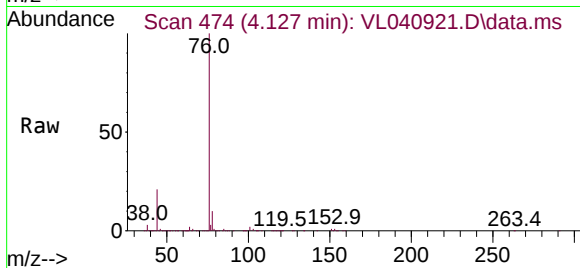




#27
Carbon Disulfide
Concen: 9.196 ppbv
RT: 4.127 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

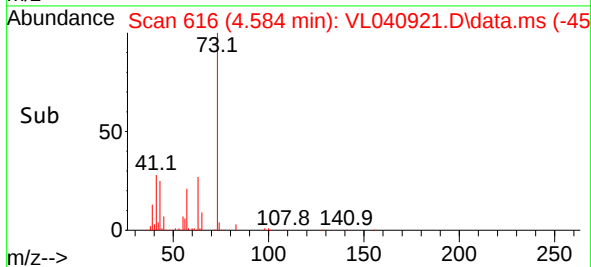
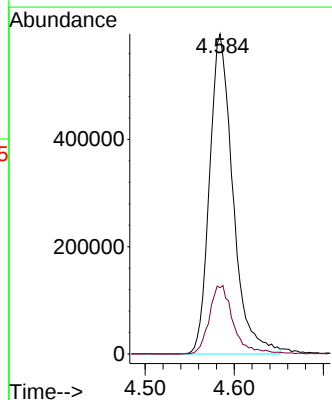
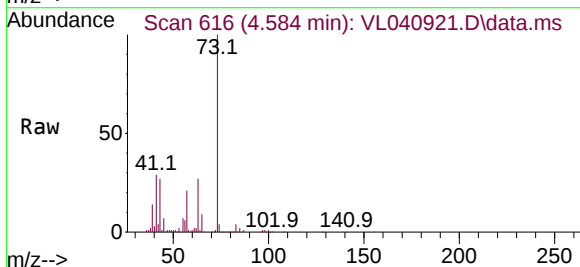
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

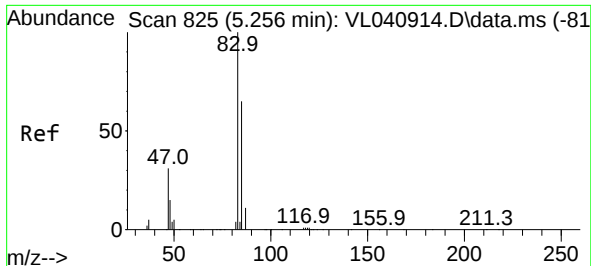
Tgt Ion: 76 Resp: 1479300
Ion Ratio Lower Upper
76 100
44 21.7 18.4 27.6
78 9.3 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 9.853 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.016 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 73 Resp: 1086785
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0





#29

Chloroform

Concen: 9.358 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.013 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

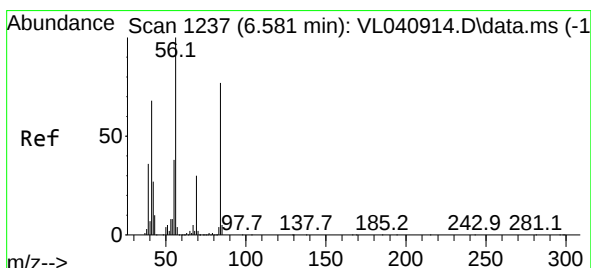
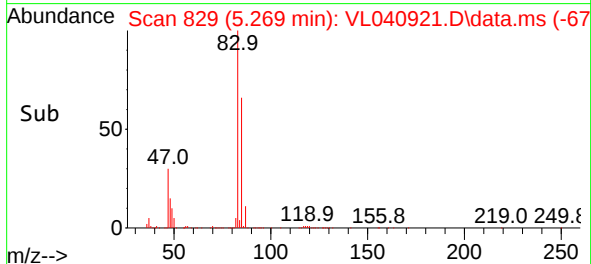
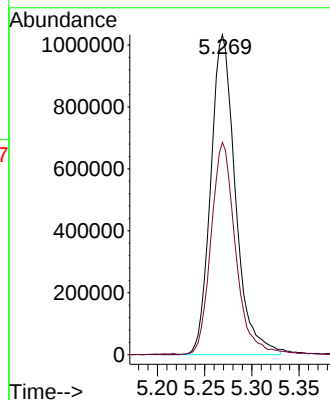
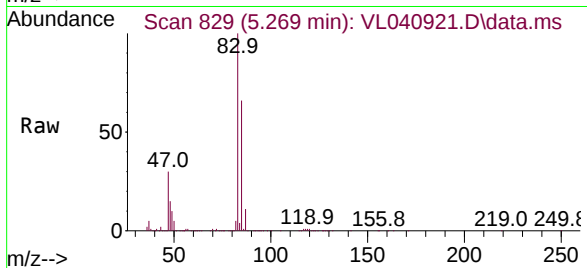
ICVVL122023

Tgt Ion: 83 Resp: 1877096

Ion Ratio Lower Upper

83 100

85 66.2 52.3 78.5



#30

Cyclohexane

Concen: 9.704 ppbv

RT: 6.590 min Scan# 1240

Delta R.T. 0.010 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

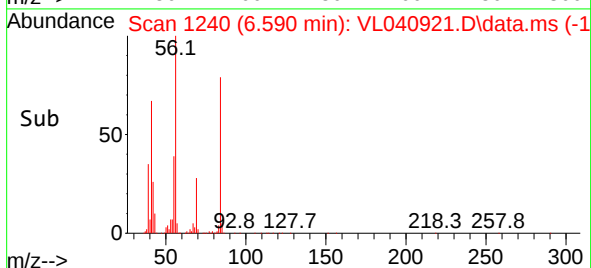
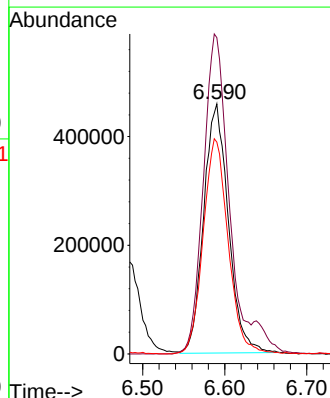
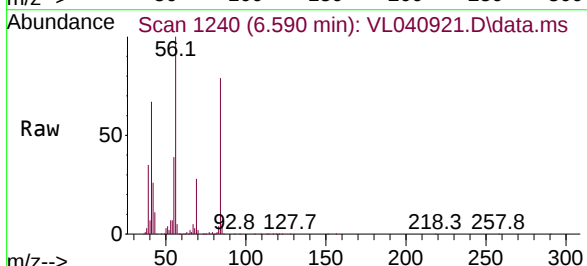
Tgt Ion: 84 Resp: 961641

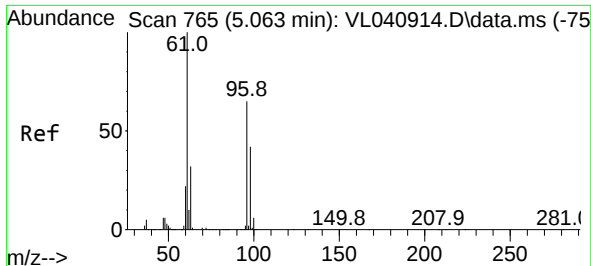
Ion Ratio Lower Upper

84 100

56 137.6 111.4 167.2

41 87.8 70.0 105.0



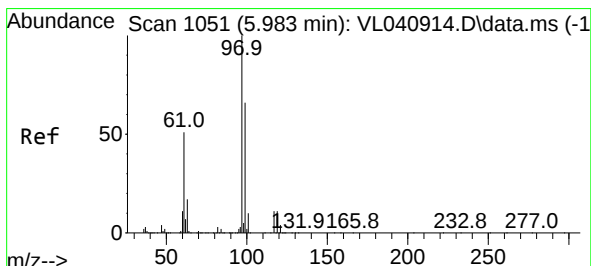
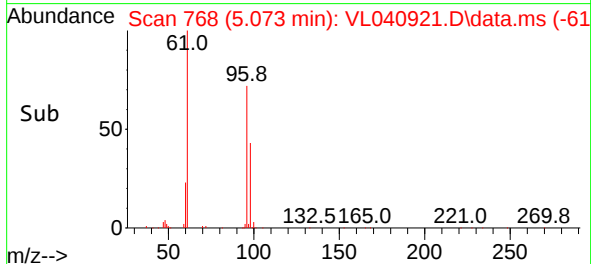
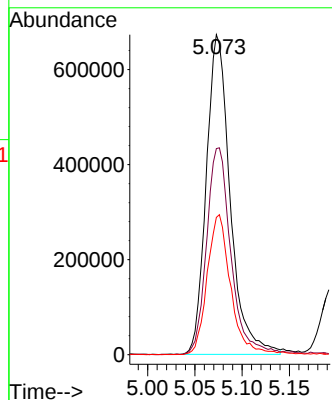
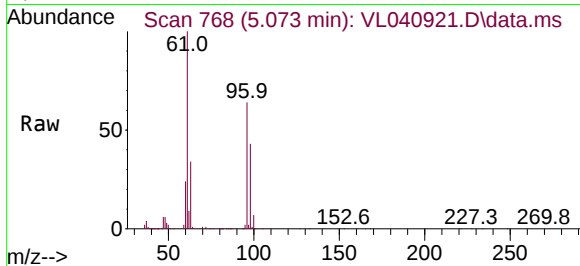


#31
 cis-1,2-Dichloroethene
 Concen: 9.701 ppbv
 RT: 5.073 min Scan# 765
 Delta R.T. 0.010 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL122023

Tgt Ion: 61 Resp: 1184504

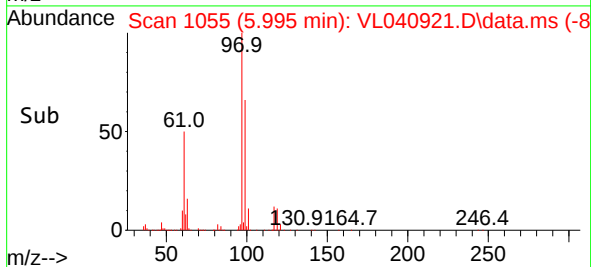
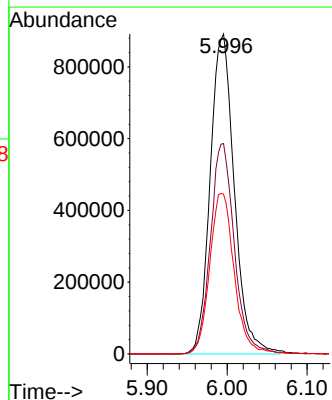
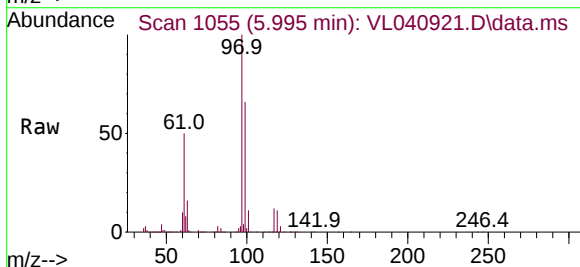
Ion	Ratio	Lower	Upper
61	100		
96	64.5	51.7	77.5
98	42.9	33.2	49.8

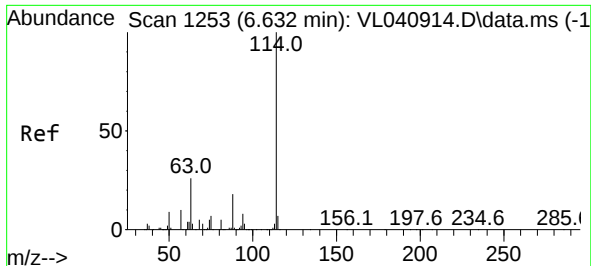


#32
 1,1,1-Trichloroethane
 Concen: 9.618 ppbv
 RT: 5.995 min Scan# 1055
 Delta R.T. 0.013 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

Tgt Ion: 97 Resp: 1865125

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.8	77.6
61	51.1	41.0	61.6

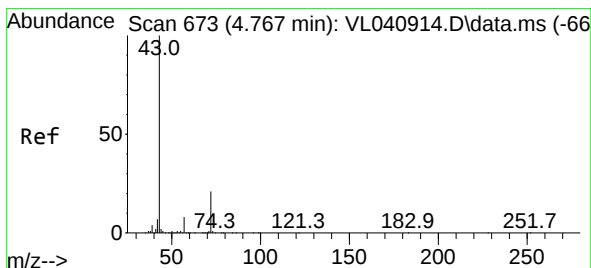
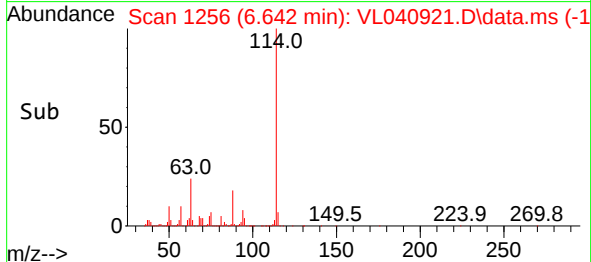
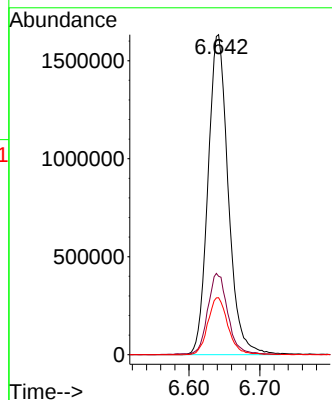
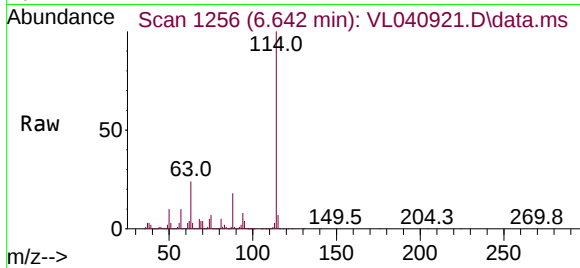




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

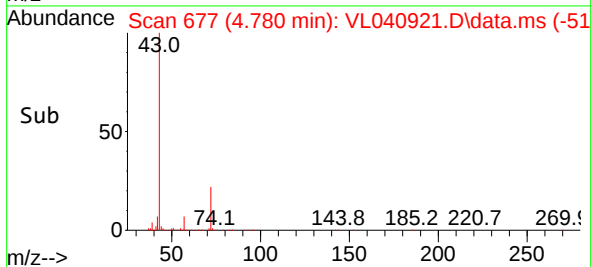
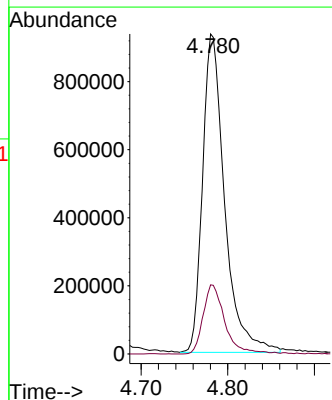
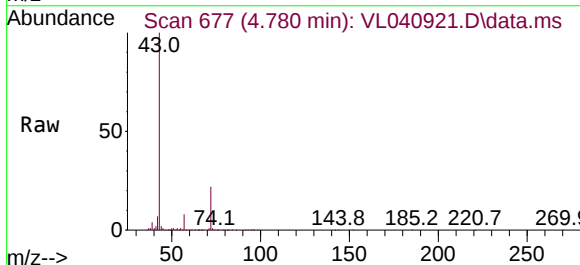
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

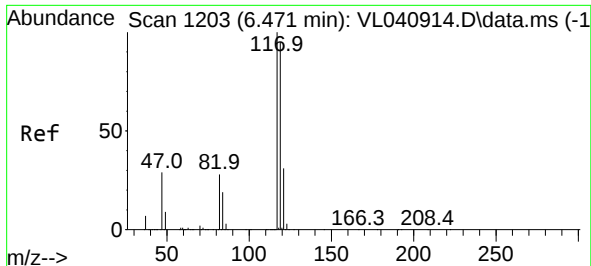
Tgt Ion:114 Resp: 3235813
Ion Ratio Lower Upper
114 100
63 25.5 21.0 31.6
88 17.8 14.3 21.5



#34
2-Butanone
Concen: 9.679 ppbv
RT: 4.780 min Scan# 677
Delta R.T. 0.013 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 43 Resp: 1656744
Ion Ratio Lower Upper
43 100
72 21.7 17.2 25.8

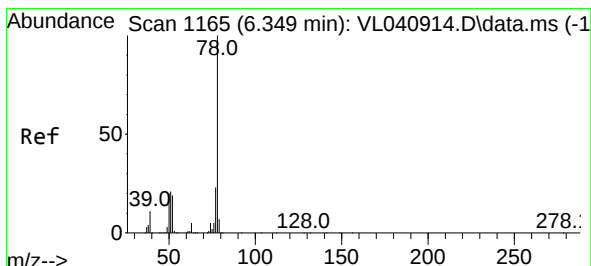
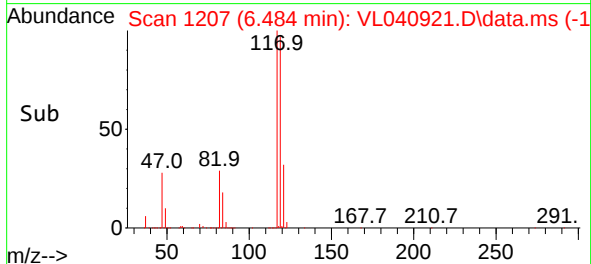
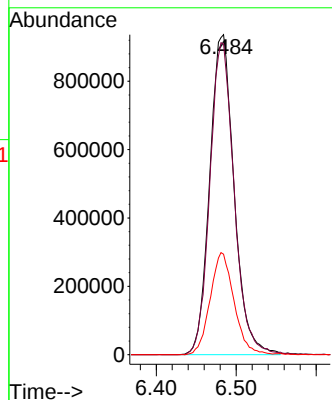
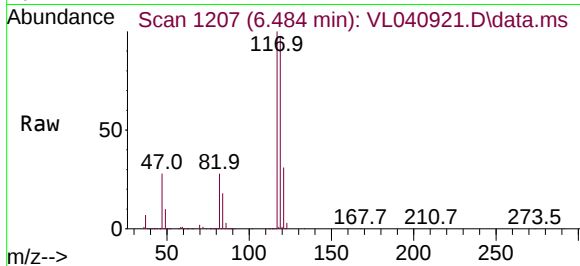




#35
Carbon Tetrachloride
Concen: 9.799 ppbv
RT: 6.484 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

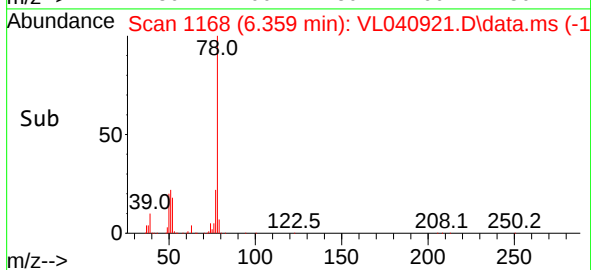
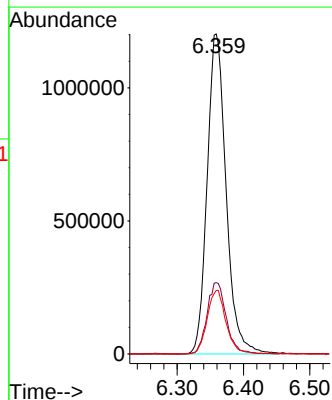
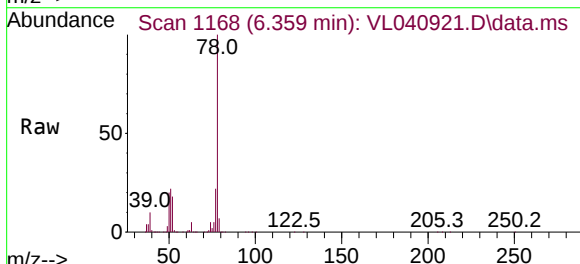
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

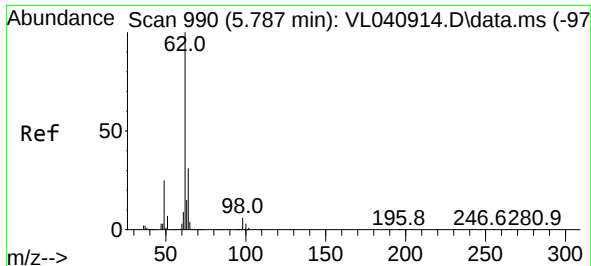
Tgt Ion:117 Resp: 1985695
Ion Ratio Lower Upper
117 100
119 97.0 76.3 114.5
121 31.4 24.9 37.3



#36
Benzene
Concen: 9.450 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. 0.010 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 78 Resp: 2390426
Ion Ratio Lower Upper
78 100
77 22.3 18.4 27.6
50 19.8 16.0 24.0





#37

1,2-Dichloroethane

Concen: 9.561 ppbv

RT: 5.799 min Scan# 990

Delta R.T. 0.013 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

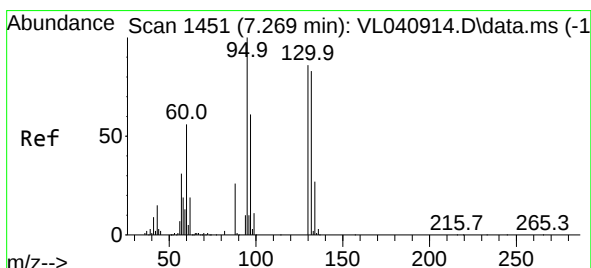
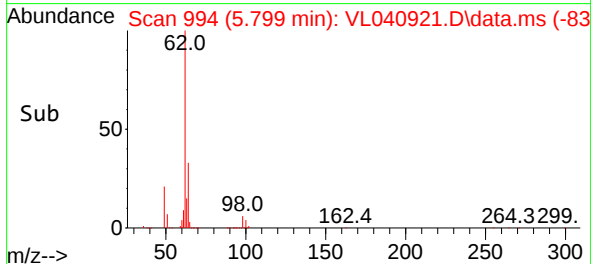
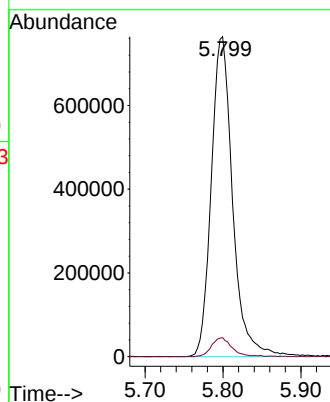
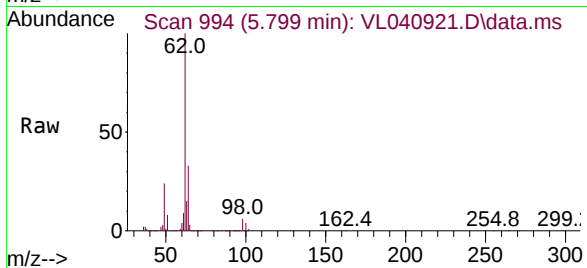
ICVVL122023

Tgt Ion: 62 Resp: 1449058

Ion Ratio Lower Upper

62 100

98 5.9 4.6 7.0



#38

Trichloroethene

Concen: 9.894 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.006 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Tgt Ion:130 Resp: 939980

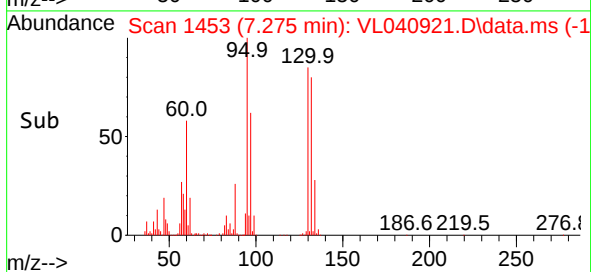
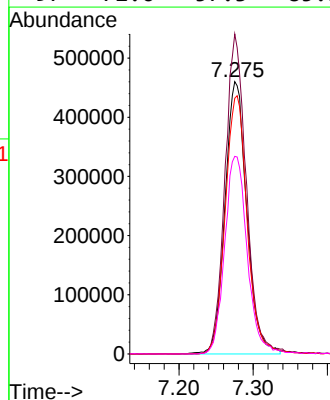
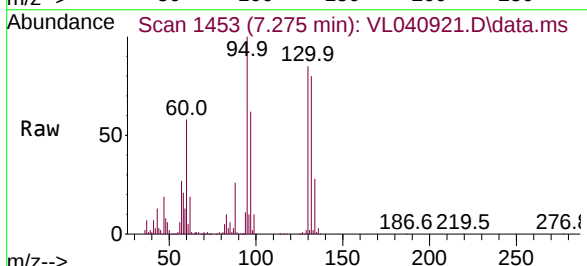
Ion Ratio Lower Upper

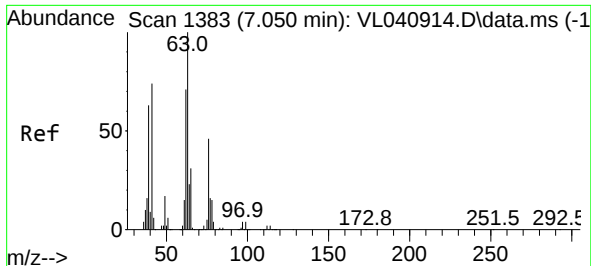
130 100

95 117.5 93.5 140.3

132 93.9 77.4 116.2

97 72.6 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.425 ppbv

RT: 7.060 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

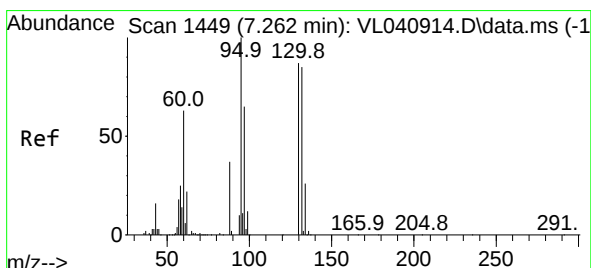
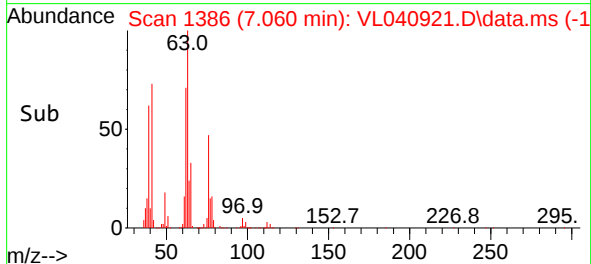
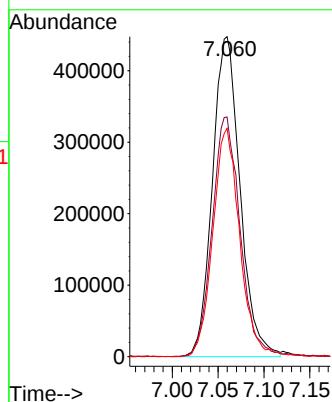
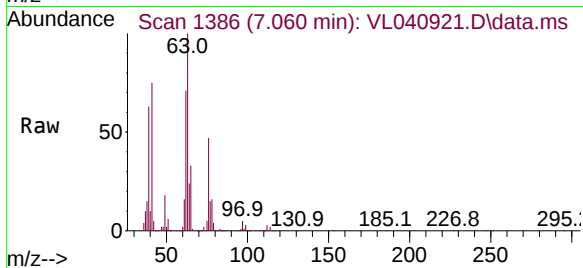
Tgt Ion: 63 Resp: 936850

Ion Ratio Lower Upper

63 100

41 74.8 59.0 88.6

62 71.2 56.6 85.0



#40

1,4-Dioxane

Concen: 8.862 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.006 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Tgt Ion: 88 Resp: 371935

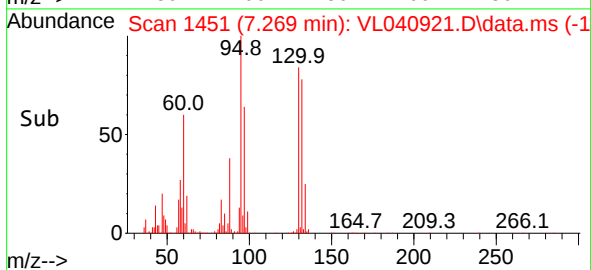
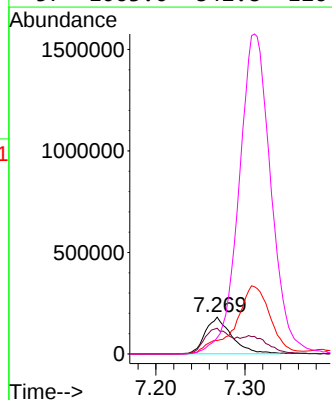
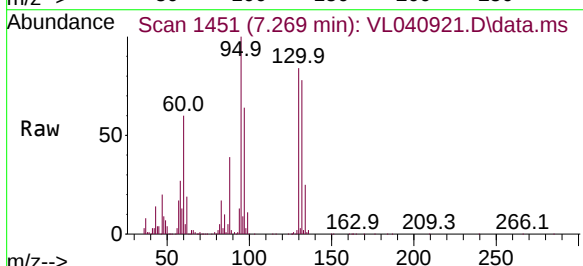
Ion Ratio Lower Upper

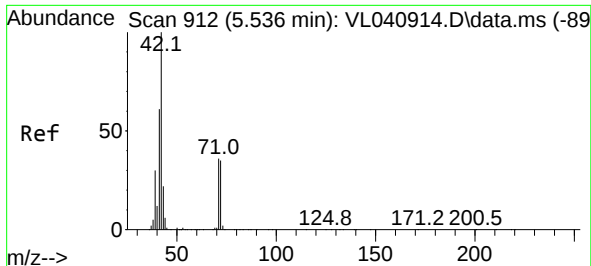
88 100

58 122.0 97.3 145.9

43 249.3 200.6 300.8

57 1063.0 842.8 1264.2

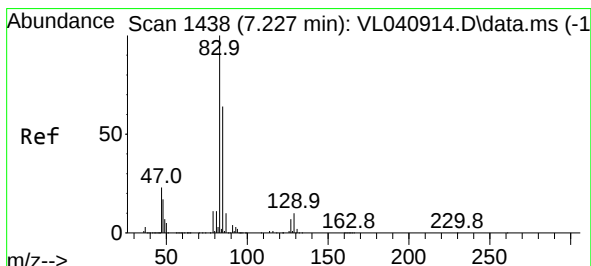
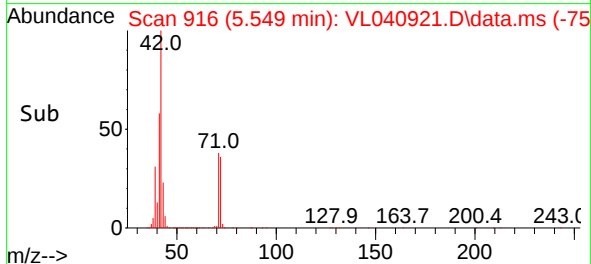
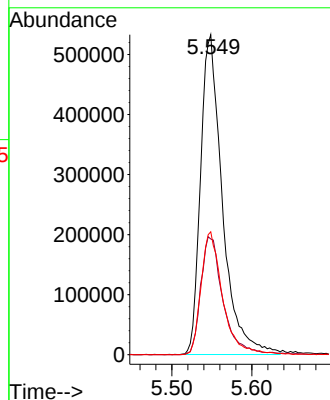
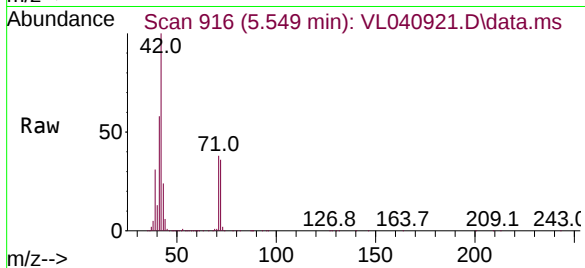




#41
Tetrahydrofuran
Concen: 9.735 ppbv
RT: 5.549 min Scan# 912
Delta R.T. 0.013 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

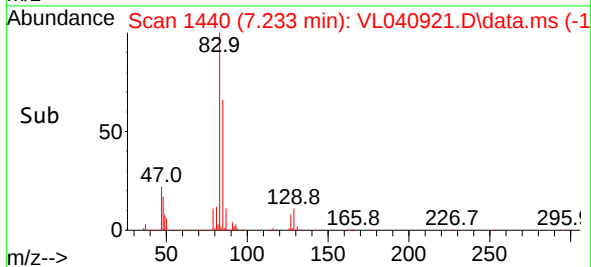
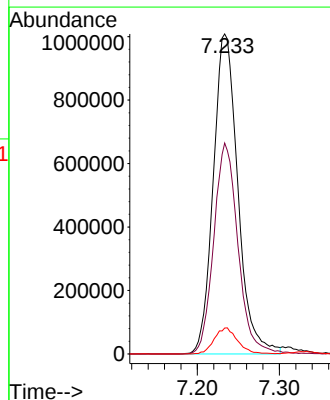
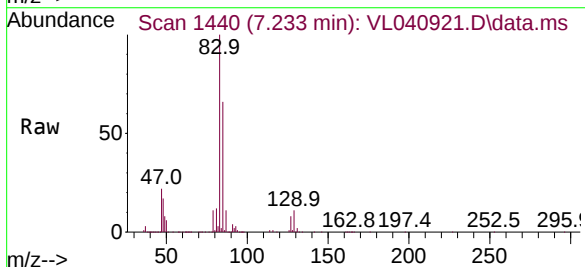
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

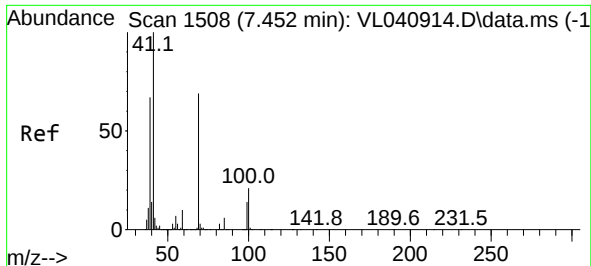
Tgt Ion: 42 Resp: 1013824
Ion Ratio Lower Upper
42 100
72 38.1 29.6 44.4
71 38.0 29.1 43.7



#42
Bromodichloromethane
Concen: 9.635 ppbv
RT: 7.233 min Scan# 1440
Delta R.T. 0.006 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 83 Resp: 2106107
Ion Ratio Lower Upper
83 100
85 65.9 51.4 77.0
127 8.1 5.9 8.9

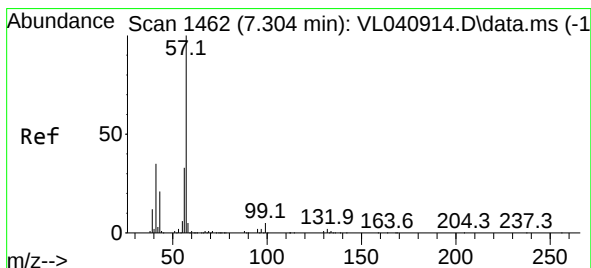
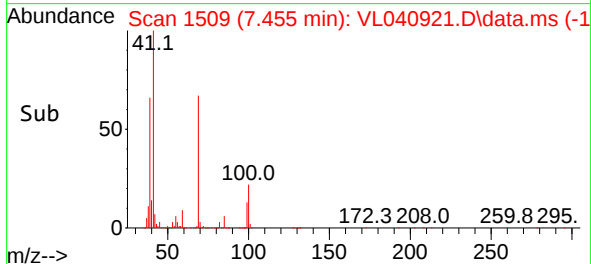
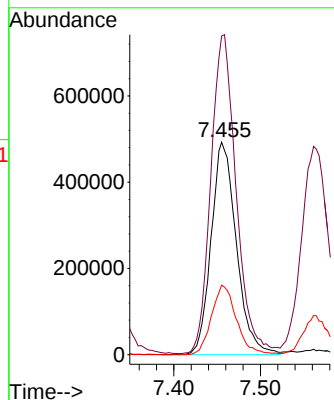
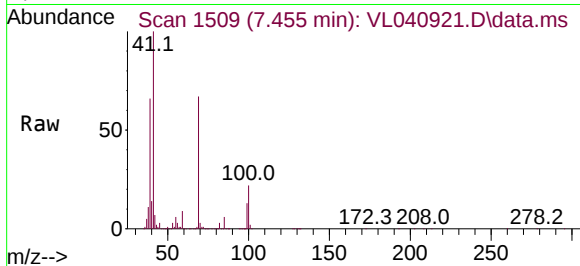




#43
Methyl Methacrylate
Concen: 10.068 ppbv
RT: 7.455 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

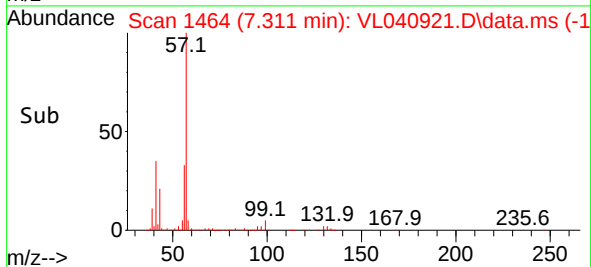
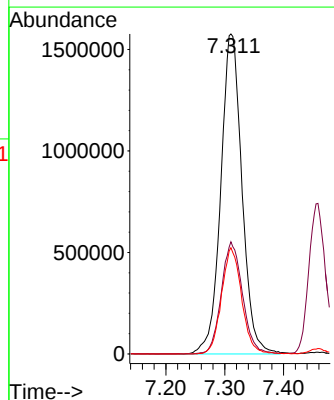
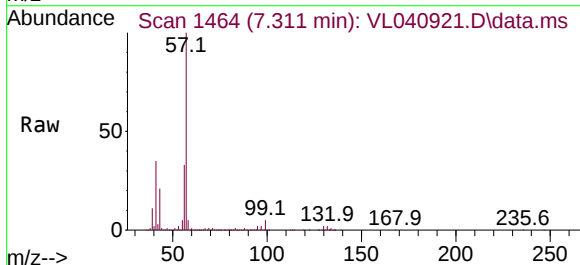
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

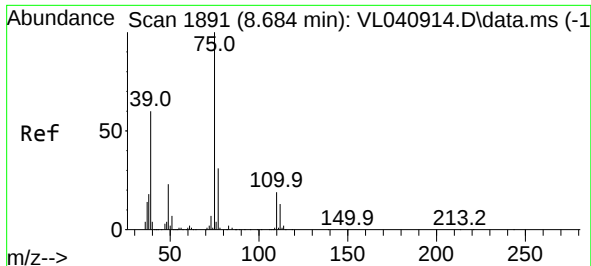
Tgt Ion: 69 Resp: 998922
Ion Ratio Lower Upper
69 100
41 150.9 119.9 179.9
100 32.3 25.1 37.7



#44
2,2,4-Trimethylpentane
Concen: 9.183 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 57 Resp: 3945848
Ion Ratio Lower Upper
57 100
41 35.0 28.2 42.4
56 31.5 25.3 37.9

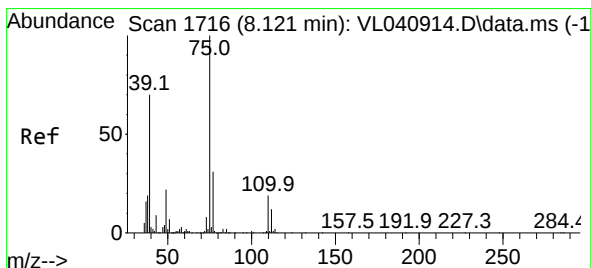
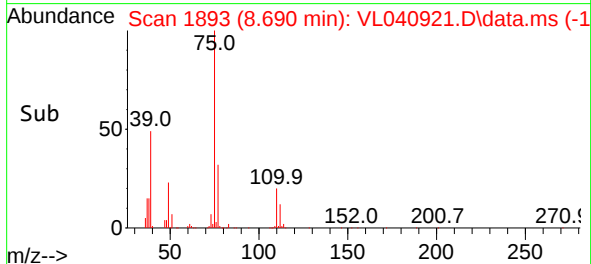
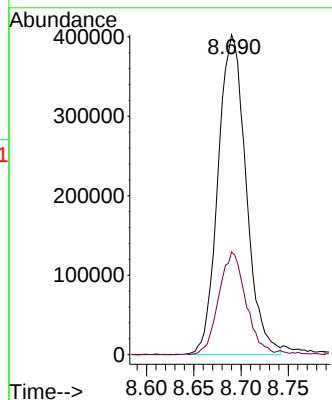
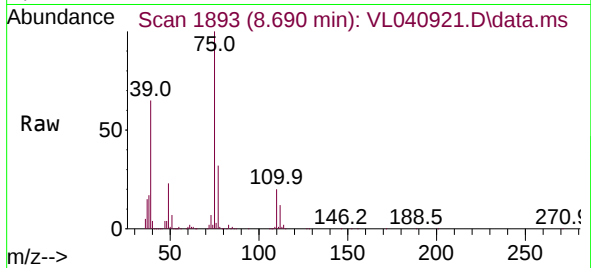




#45
t-1,3-Dichloropropene
Concen: 11.265 ppbv
RT: 8.690 min Scan# 1891
Delta R.T. 0.006 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

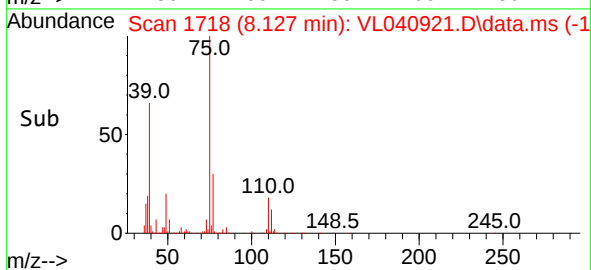
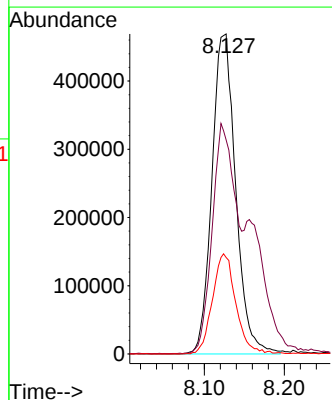
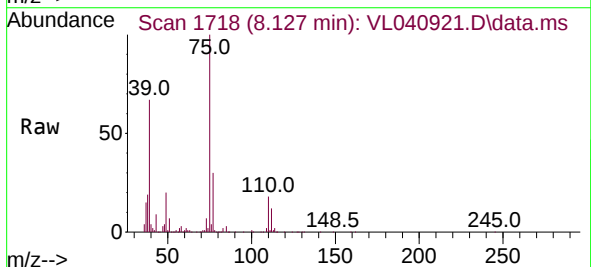
Instrument :
MSVOA_1
ClientSampleId :
ICVVL122023

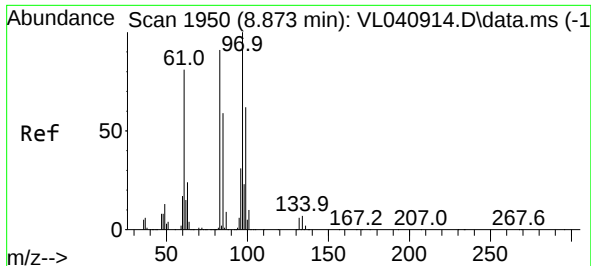
Tgt Ion: 75 Resp: 829218
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2



#46
cis-1,3-Dichloropropene
Concen: 10.606 ppbv
RT: 8.127 min Scan# 1718
Delta R.T. 0.006 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 75 Resp: 966569
Ion Ratio Lower Upper
75 100
39 66.7 56.2 84.4
77 30.2 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.528 ppbv

RT: 8.880 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion: 97 Resp: 1004669

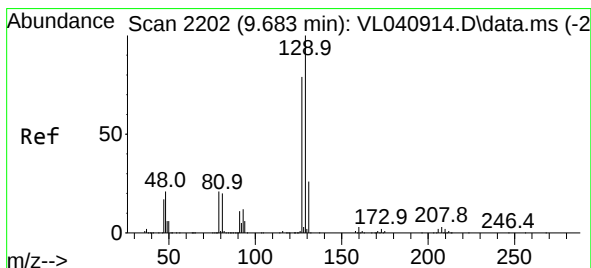
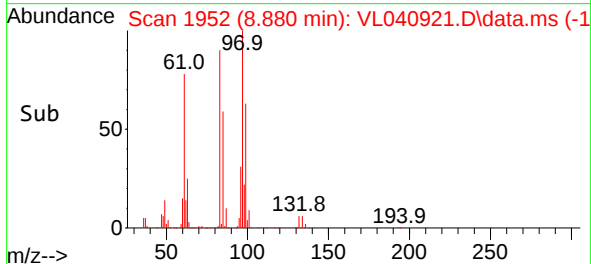
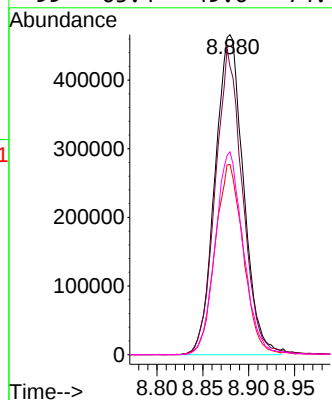
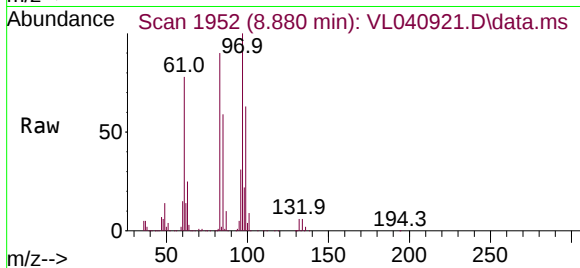
Ion Ratio Lower Upper

97 100

83 90.0 72.6 108.8

85 59.5 47.4 71.0

99 63.4 49.6 74.4



#48

Dibromochloromethane

Concen: 10.043 ppbv

RT: 9.690 min Scan# 2204

Delta R.T. 0.006 min

Lab File: VL040921.D

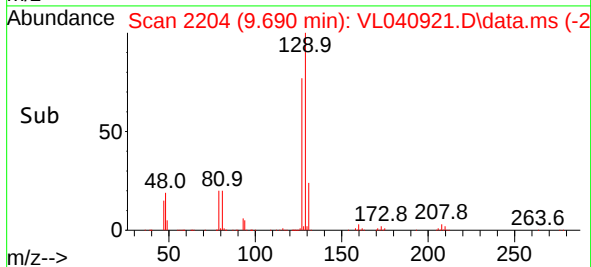
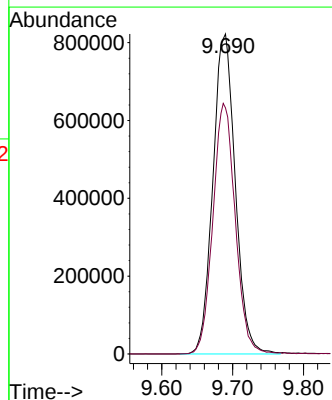
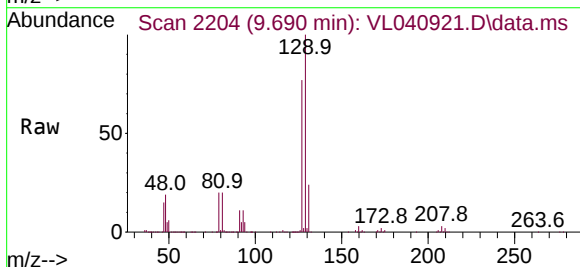
Acq: 20 Dec 2023 16:35

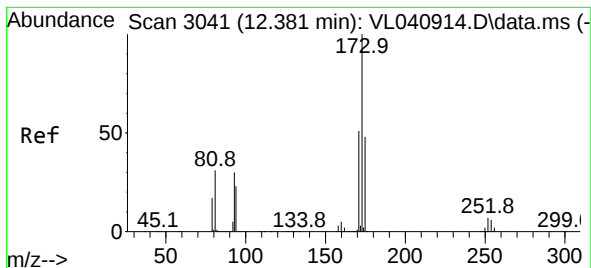
Tgt Ion: 129 Resp: 1807591

Ion Ratio Lower Upper

129 100

127 78.3 39.6 119.0





#49

Bromoform

Concen: 10.353 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. -0.000 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

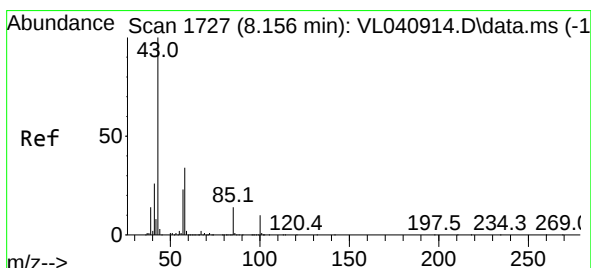
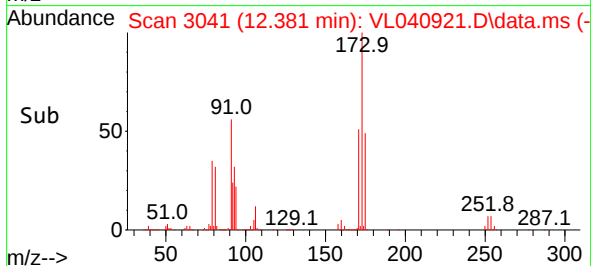
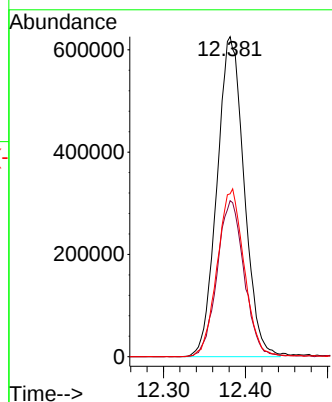
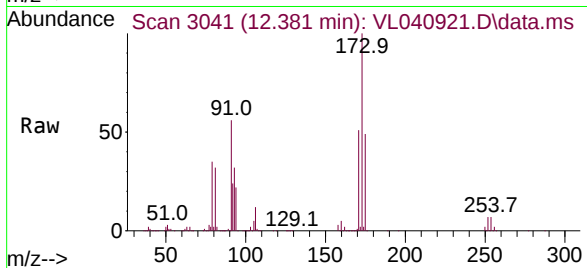
Tgt Ion:173 Resp: 1437803

Ion Ratio Lower Upper

173 100

175 49.0 39.3 58.9

171 52.1 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 9.663 ppbv

RT: 8.159 min Scan# 1728

Delta R.T. 0.003 min

Lab File: VL040921.D

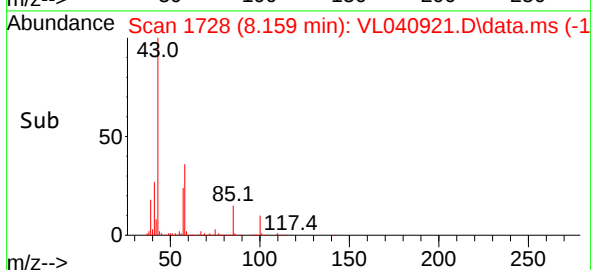
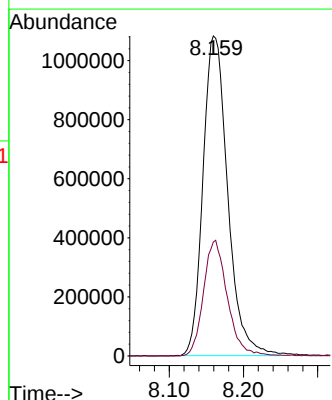
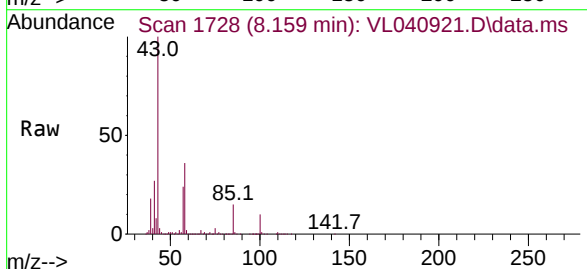
Acq: 20 Dec 2023 16:35

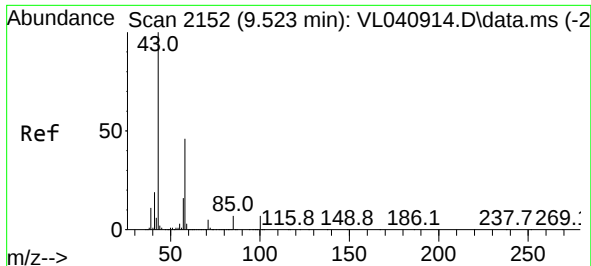
Tgt Ion: 43 Resp: 2505116

Ion Ratio Lower Upper

43 100

58 35.0 27.4 41.0

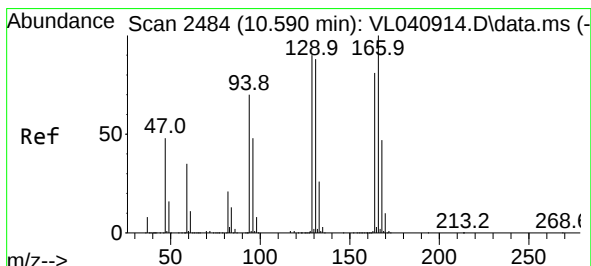
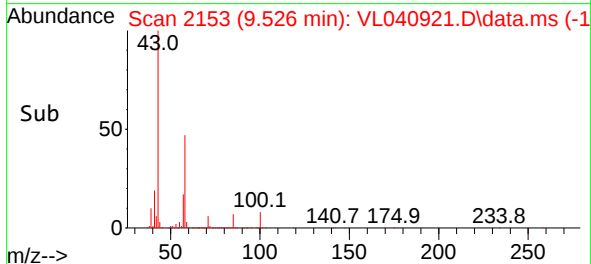
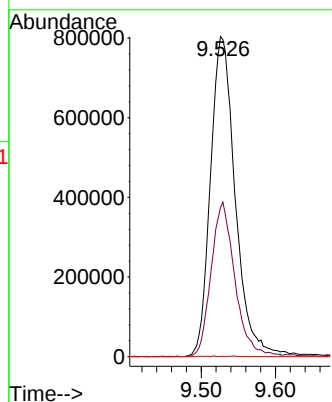
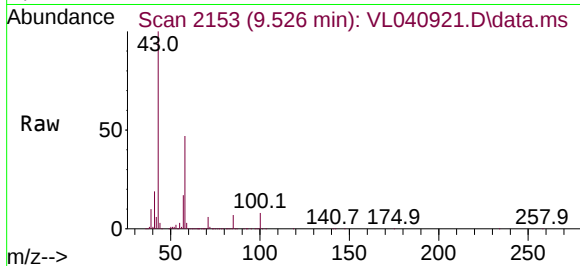




#51
2-Hexanone
Concen: 9.960 ppbv
RT: 9.526 min Scan# 2152
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

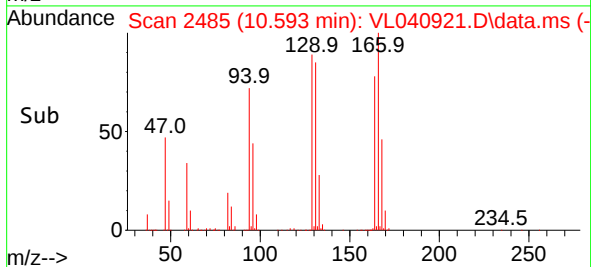
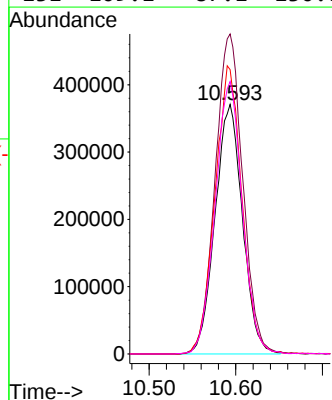
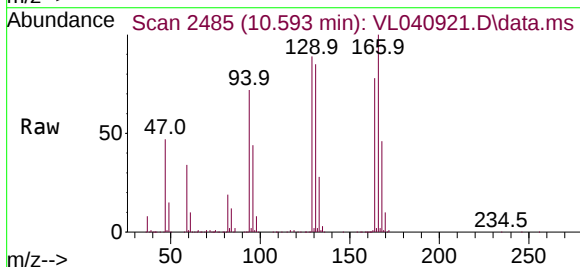
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

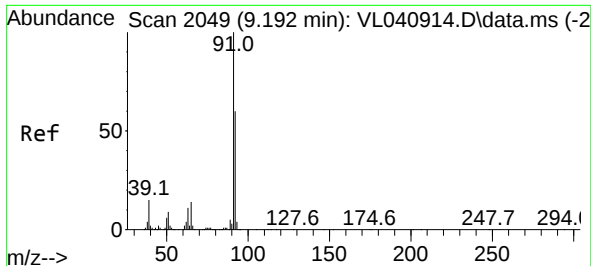
Tgt Ion: 43 Resp: 1858472
Ion Ratio Lower Upper
43 100
58 47.0 37.3 55.9
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.570 ppbv
RT: 10.593 min Scan# 2485
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 164 Resp: 815446
Ion Ratio Lower Upper
164 100
166 128.2 98.9 148.3
129 113.9 88.7 133.1
131 109.1 87.1 130.7

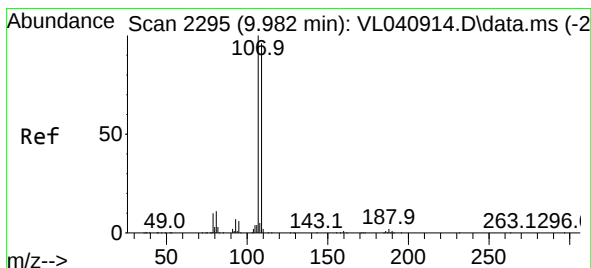
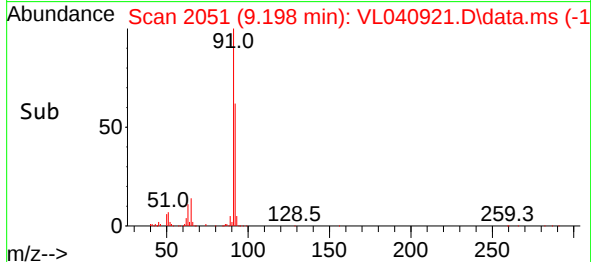
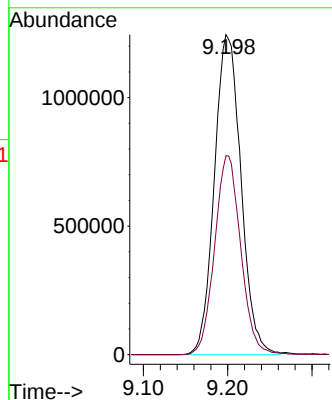
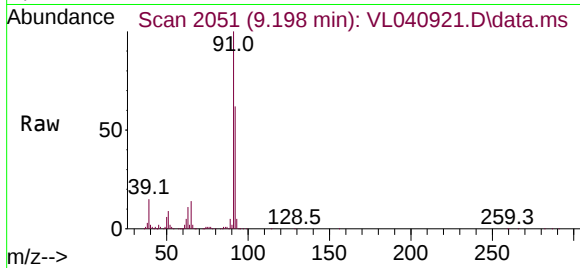




#53
Toluene
Concen: 9.724 ppbv
RT: 9.198 min Scan# 2049
Delta R.T. 0.006 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

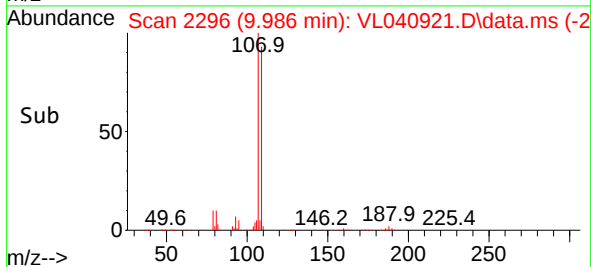
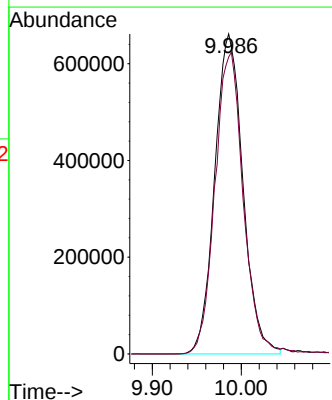
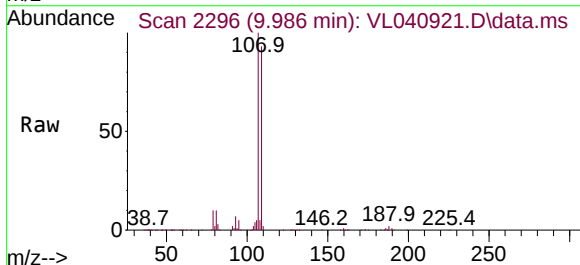
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

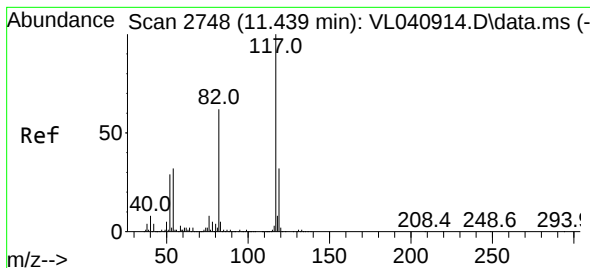
Tgt Ion: 91 Resp: 2727481
Ion Ratio Lower Upper
91 100
92 61.2 49.2 73.8



#54
1,2-Dibromoethane
Concen: 10.060 ppbv
RT: 9.986 min Scan# 2296
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 107 Resp: 1455677
Ion Ratio Lower Upper
107 100
109 92.7 77.0 115.4

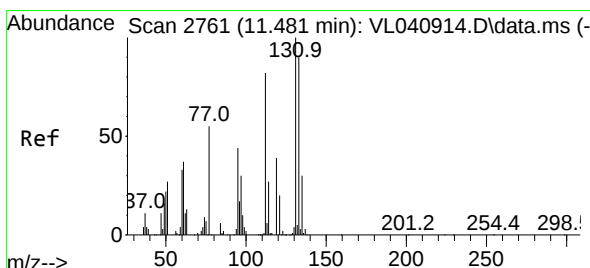
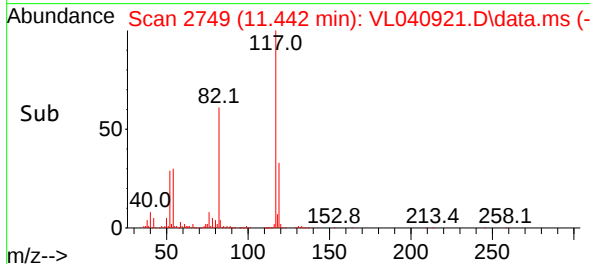
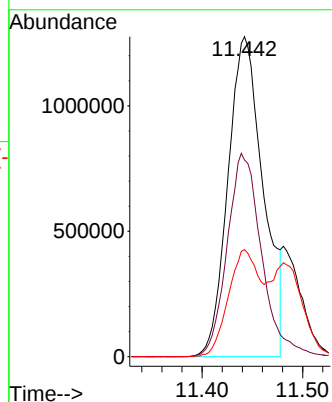
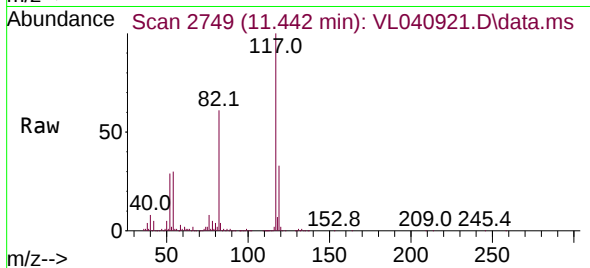




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

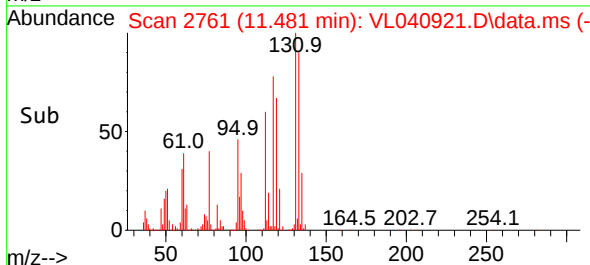
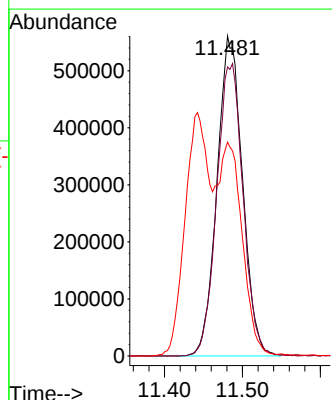
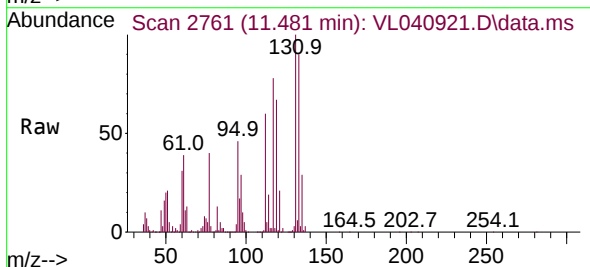
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

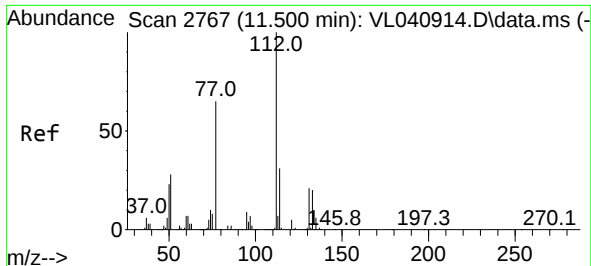
Tgt Ion:117 Resp: 3116043
Ion Ratio Lower Upper
117 100
82 62.1 49.6 74.4
119 31.3 23.4 35.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.338 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. -0.000 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion:131 Resp: 1272411
Ion Ratio Lower Upper
131 100
133 94.6 76.3 114.5
119 62.2 48.6 73.0

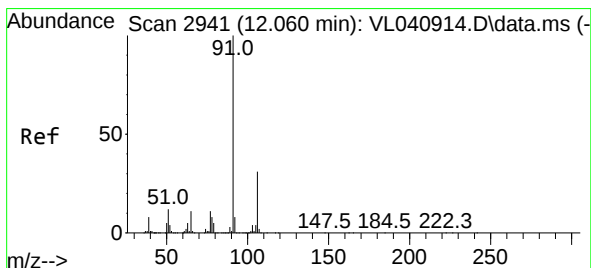
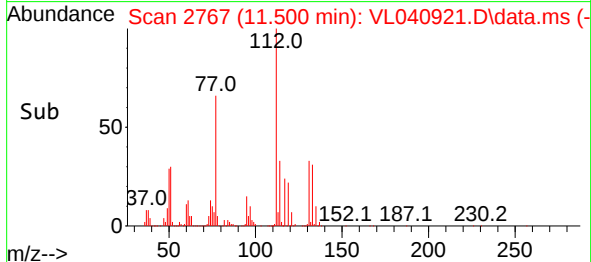
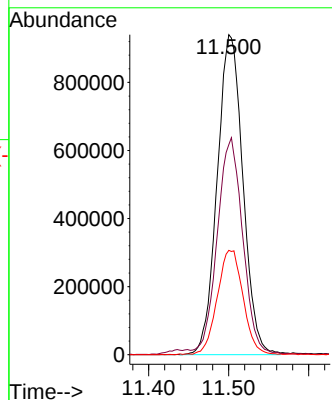
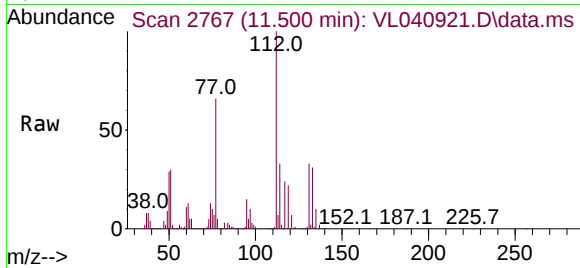




#57
Chlorobenzene
Concen: 9.140 ppbv
RT: 11.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

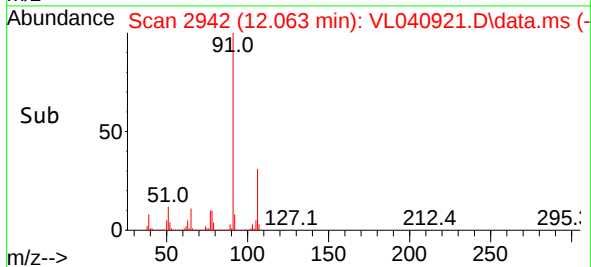
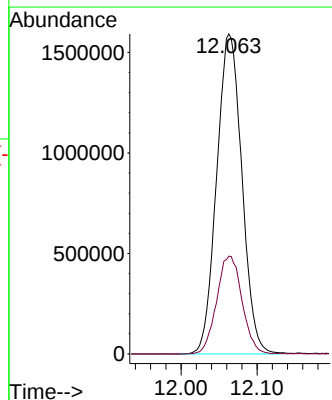
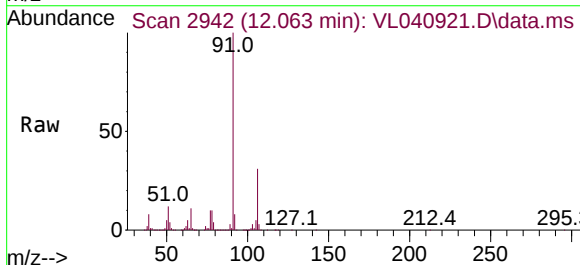
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

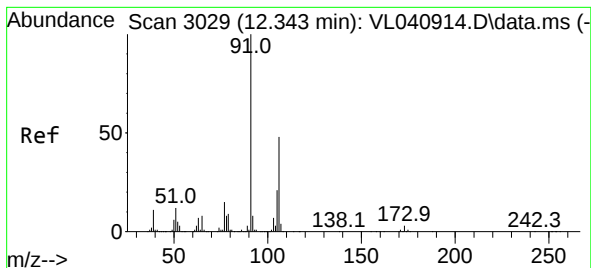
Tgt Ion:112 Resp: 2097218
Ion Ratio Lower Upper
112 100
77 65.3 52.7 79.1
114 32.4 28.4 34.7



#58
Ethyl Benzene
Concen: 9.165 ppbv
RT: 12.063 min Scan# 2942
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 91 Resp: 3668267
Ion Ratio Lower Upper
91 100
106 30.5 24.9 37.3

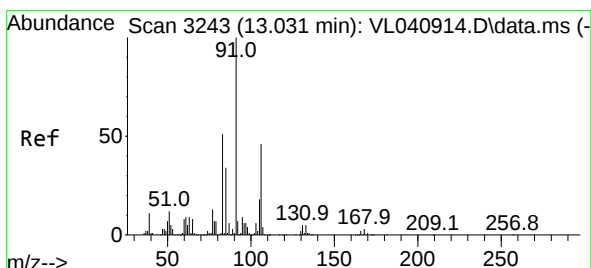
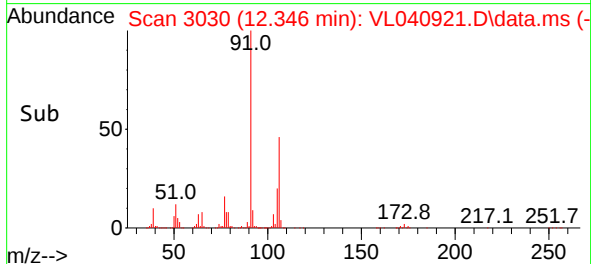
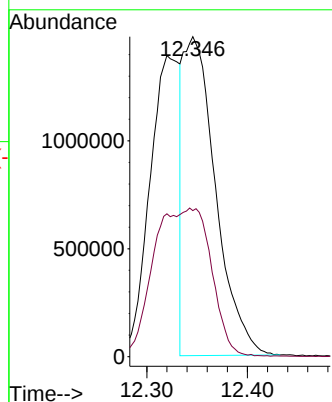
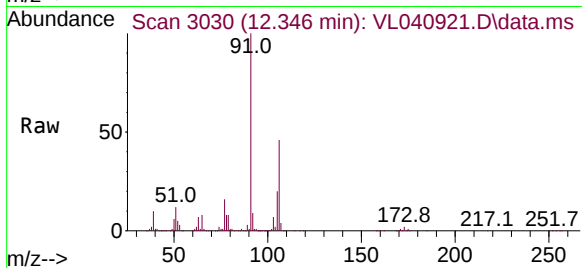




#59
m/p-Xylene
Concen: 9.715 ppbv
RT: 12.346 min Scan# 3029
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

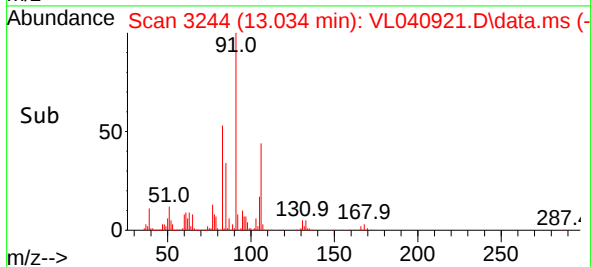
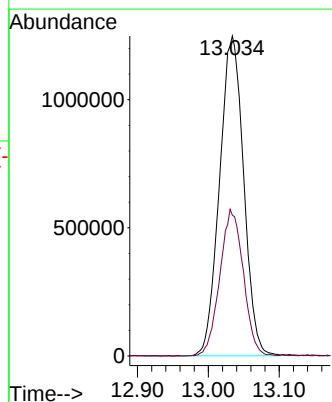
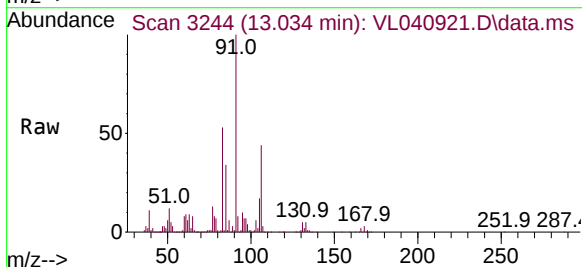
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

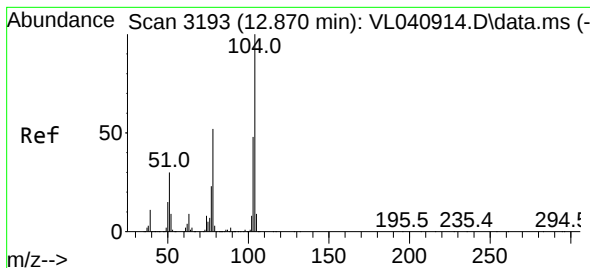
Tgt Ion: 91 Resp: 3307470
Ion Ratio Lower Upper
91 100
106 83.3 0.0 0.0#



#60
o-Xylene
Concen: 9.191 ppbv
RT: 13.034 min Scan# 3244
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 91 Resp: 2948232
Ion Ratio Lower Upper
91 100
106 44.9 22.6 67.7





#61

Styrene

Concen: 10.255 ppbv

RT: 12.870 min Scan# 3193

Delta R.T. -0.000 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

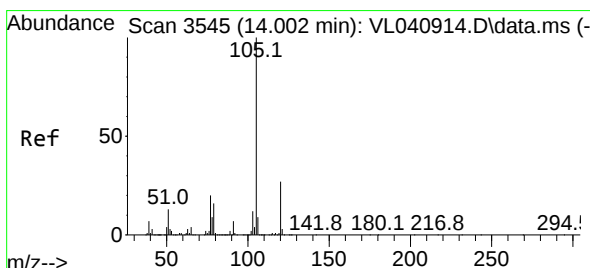
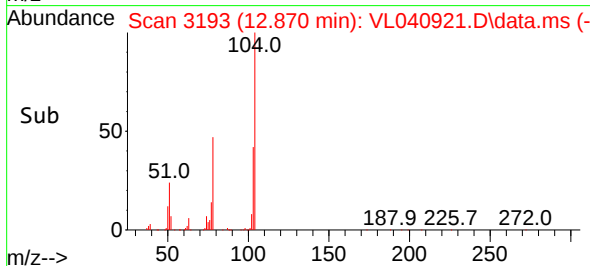
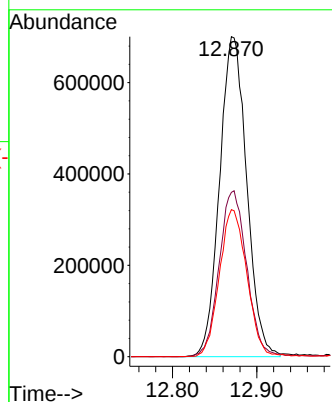
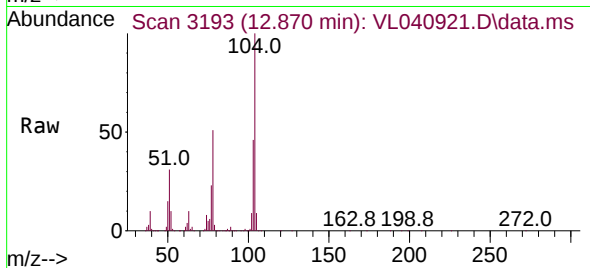
Tgt Ion:104 Resp: 1563779

Ion Ratio Lower Upper

104 100

78 52.9 43.0 64.4

103 46.8 37.6 56.4



#62

Isopropylbenzene

Concen: 9.053 ppbv

RT: 14.005 min Scan# 3546

Delta R.T. 0.003 min

Lab File: VL040921.D

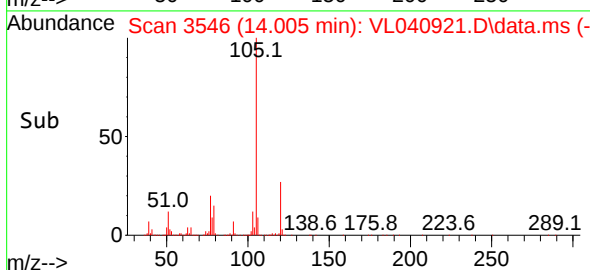
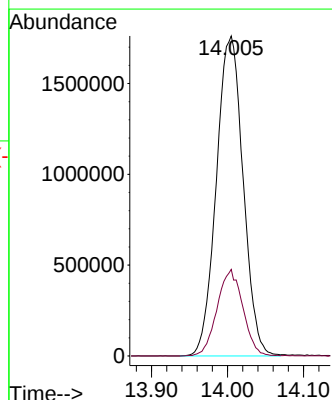
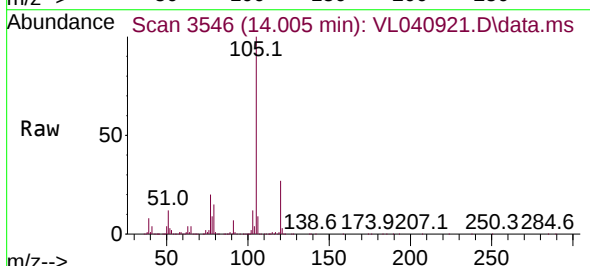
Acq: 20 Dec 2023 16:35

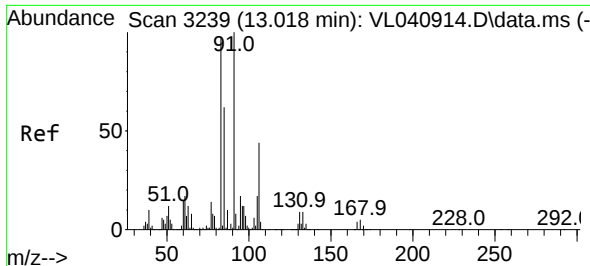
Tgt Ion:105 Resp: 4306327

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

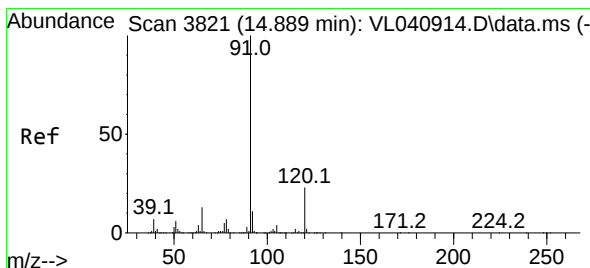
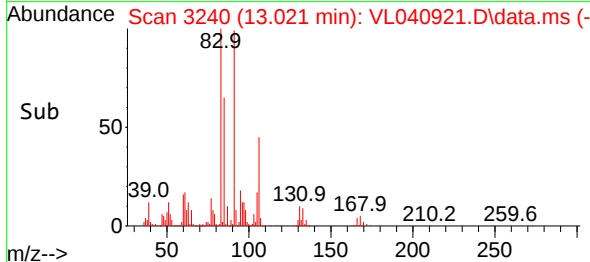
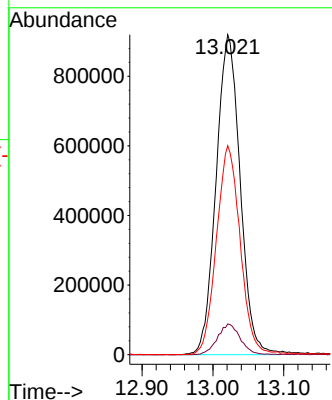
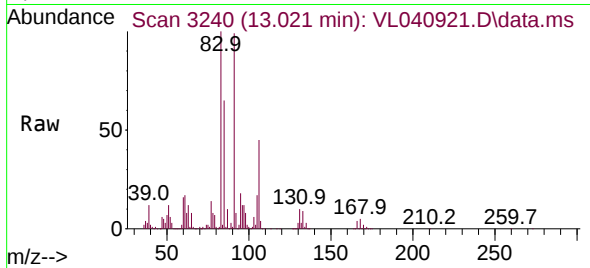




#63
1,1,2,2-Tetrachloroethane
Concen: 9.375 ppbv
RT: 13.021 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

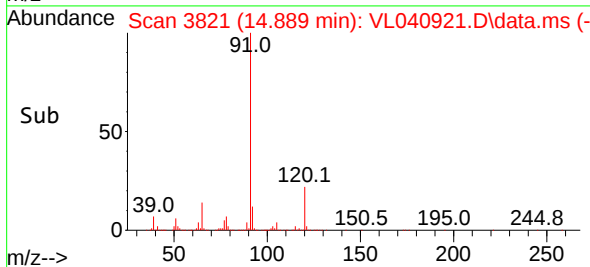
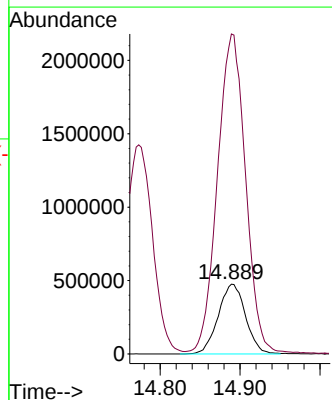
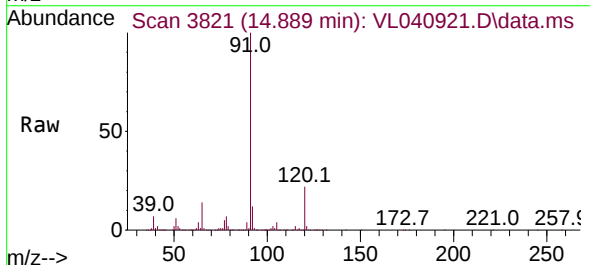
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

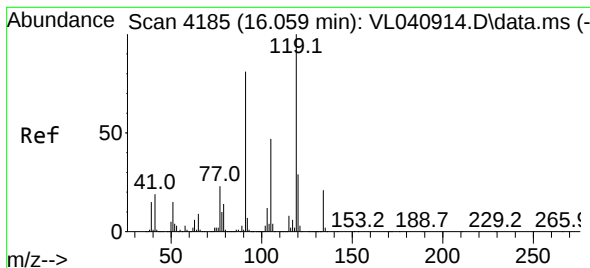
Tgt Ion: 83 Resp: 2166389
Ion Ratio Lower Upper
83 100
131 9.1 4.7 14.0
85 64.9 32.6 98.0



#64
n-propylbenzene
Concen: 9.455 ppbv
RT: 14.889 min Scan# 3821
Delta R.T. -0.000 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion:120 Resp: 1128197
Ion Ratio Lower Upper
120 100
91 474.3 381.9 572.9





#65

tert-Butylbenzene

Concen: 9.324 ppbv

RT: 16.063 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

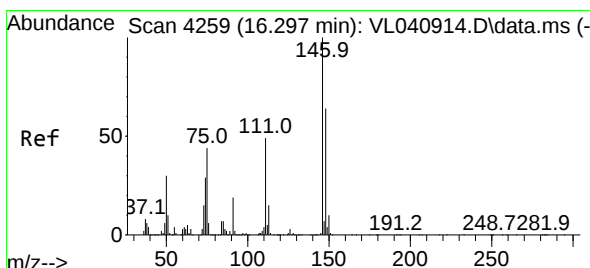
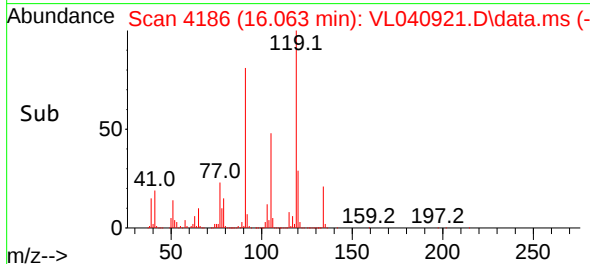
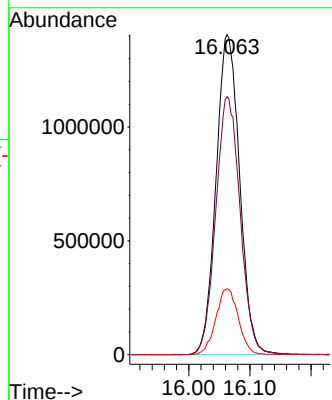
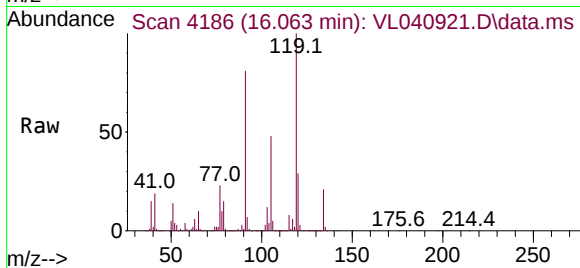
Tgt Ion:119 Resp: 3769896

Ion Ratio Lower Upper

119 100

91 83.4 67.2 100.8

134 19.7 15.8 23.6



#66

Benzyl Chloride

Concen: 12.060 ppbv

RT: 16.304 min Scan# 4261

Delta R.T. 0.006 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

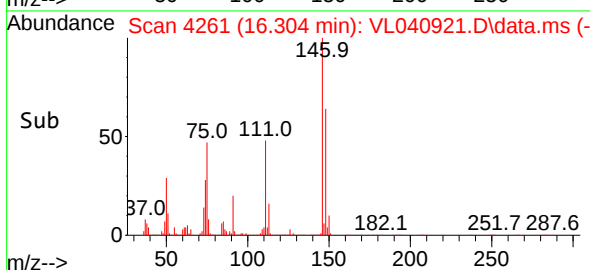
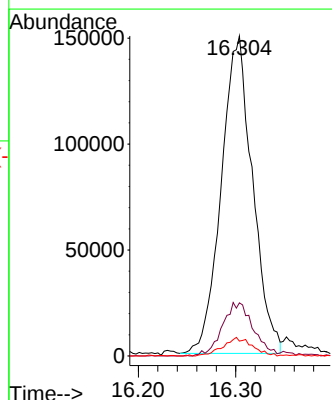
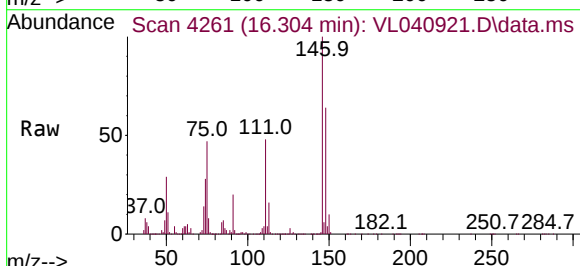
Tgt Ion: 91 Resp: 333686

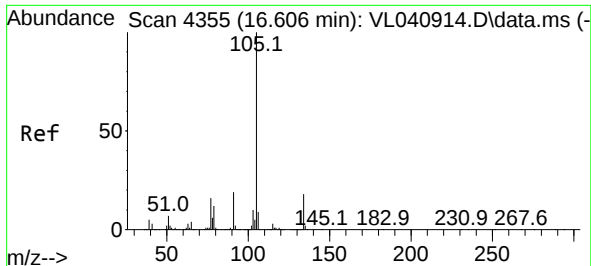
Ion Ratio Lower Upper

91 100

126 17.6 14.1 21.1

128 5.7 4.6 6.8

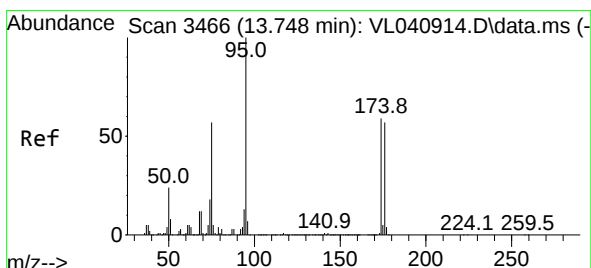
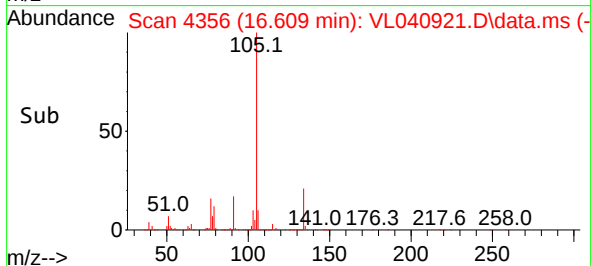
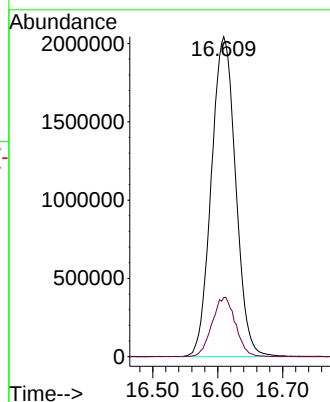
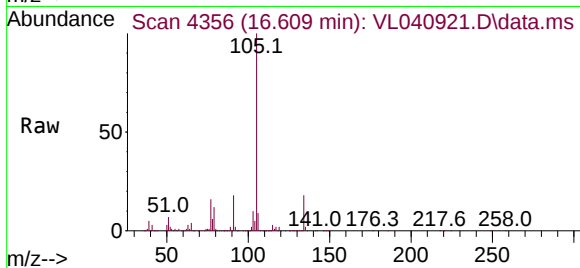




#67
 sec-Butylbenzene
 Concen: 9.020 ppbv
 RT: 16.609 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

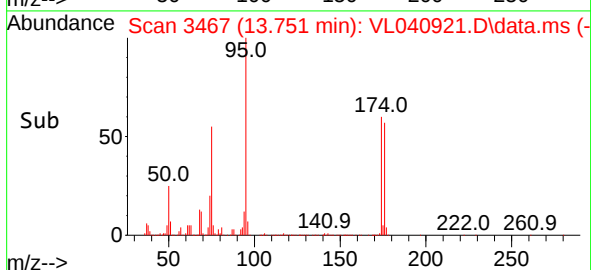
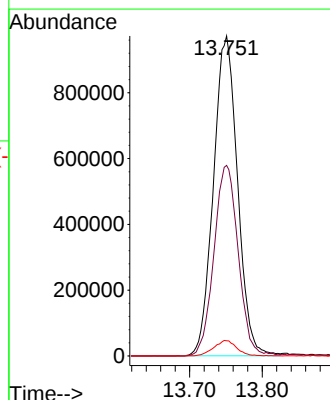
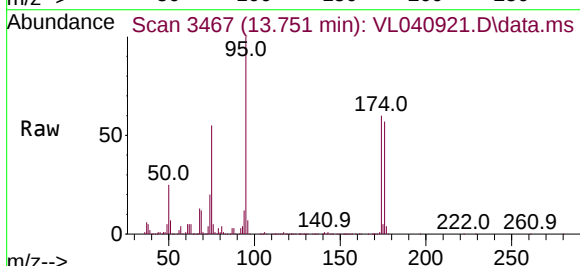
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL122023

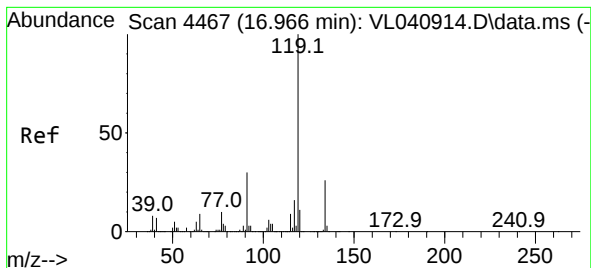
Tgt Ion:105 Resp: 5300047
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.780 ppbv
 RT: 13.751 min Scan# 3467
 Delta R.T. 0.003 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

Tgt Ion: 95 Resp: 2244669
 Ion Ratio Lower Upper
 95 100
 174 60.5 48.0 72.0
 175 4.7 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.444 ppbv

RT: 16.969 min Scan# 4467

Delta R.T. 0.003 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_1

ClientSampleId :

ICVVL122023

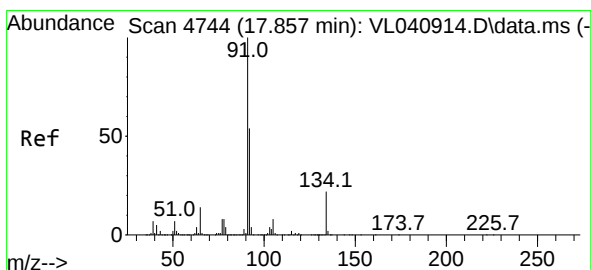
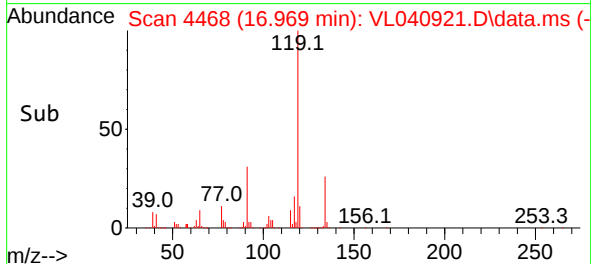
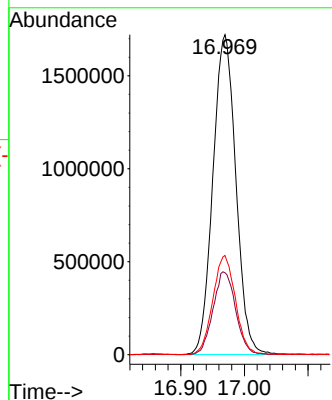
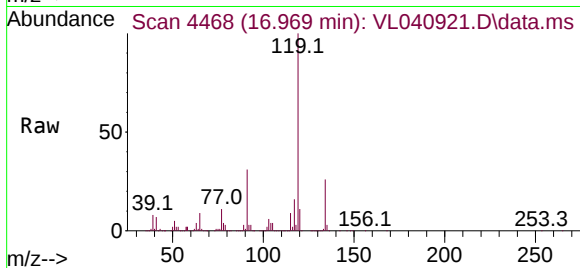
Tgt Ion:119 Resp: 4313178

Ion Ratio Lower Upper

119 100

134 25.6 20.3 30.5

91 30.5 24.1 36.1



#70

n-Butylbenzene

Concen: 9.594 ppbv

RT: 17.863 min Scan# 4746

Delta R.T. 0.006 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

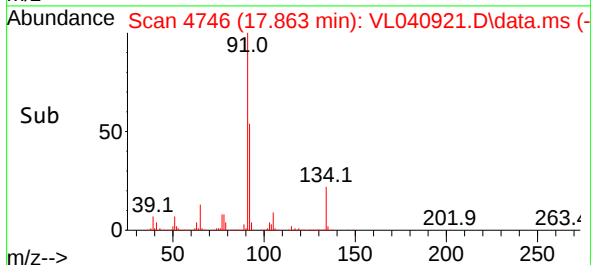
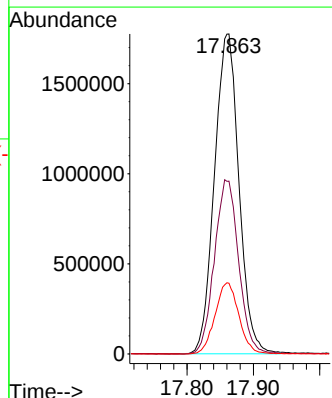
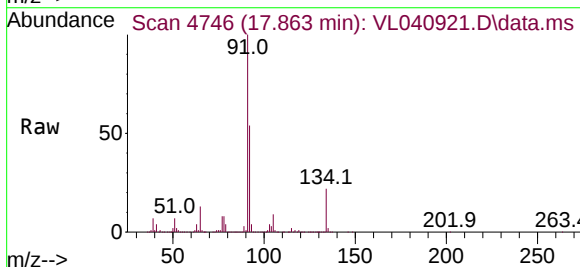
Tgt Ion: 91 Resp: 4549064

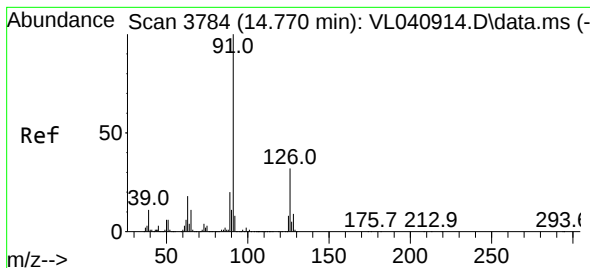
Ion Ratio Lower Upper

91 100

92 54.1 43.4 65.0

134 21.7 17.6 26.4

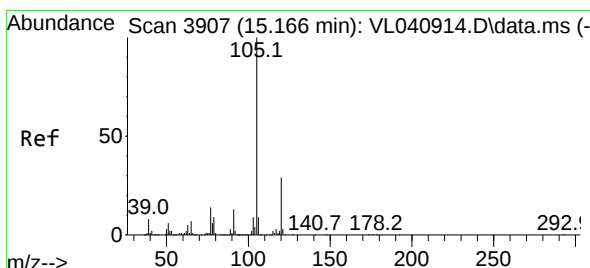
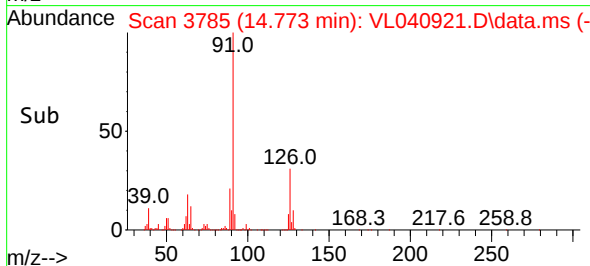
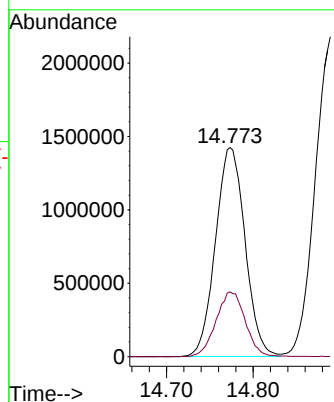
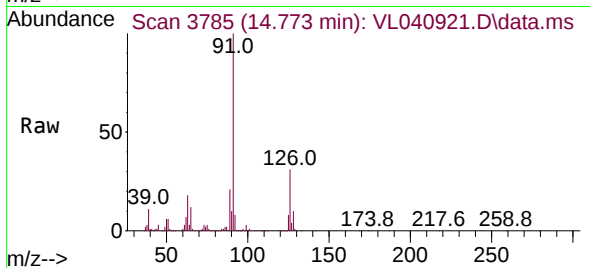




#71
2-Chlorotoluene
Concen: 9.228 ppbv
RT: 14.773 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

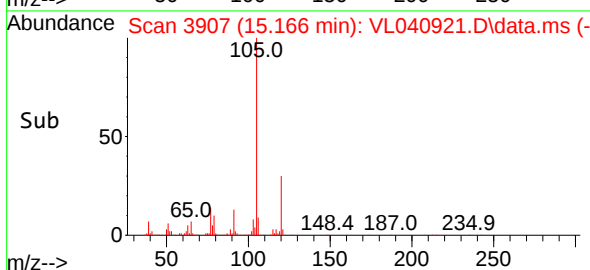
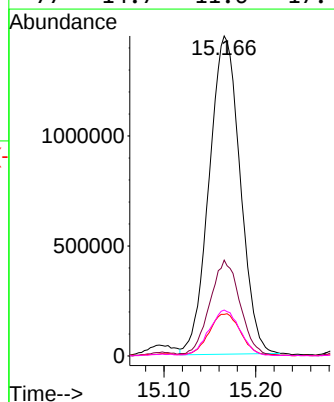
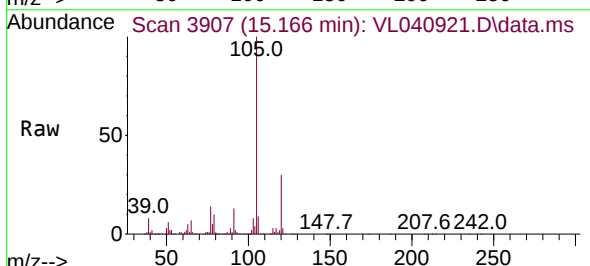
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

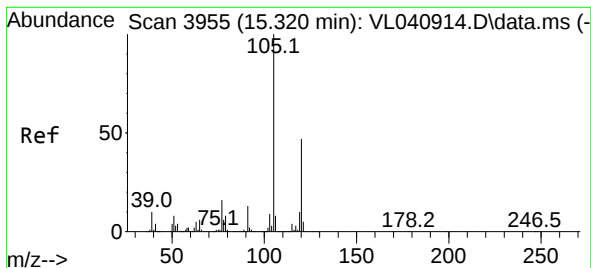
Tgt Ion: 91 Resp: 3380458
Ion Ratio Lower Upper
91 100
126 30.8 12.4 49.6



#72
4-Ethyltoluene
Concen: 9.652 ppbv
RT: 15.166 min Scan# 3907
Delta R.T. -0.000 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion:105 Resp: 3397923
Ion Ratio Lower Upper
105 100
120 29.6 23.8 35.8
91 14.5 10.9 16.3
77 14.7 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.718 ppbv

RT: 15.326 min Scan# 3955

Delta R.T. 0.006 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

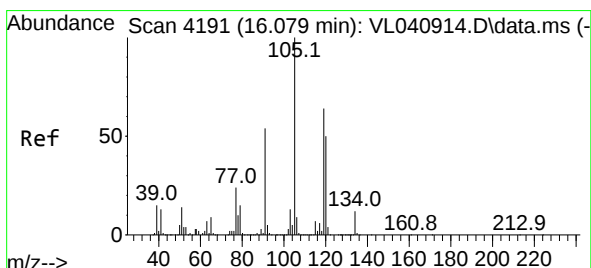
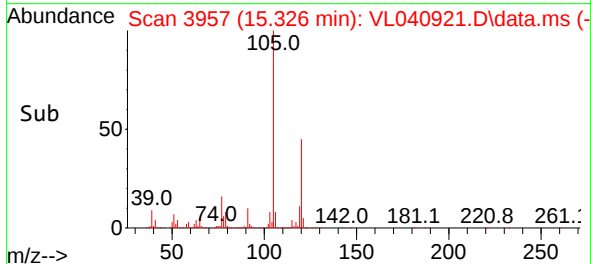
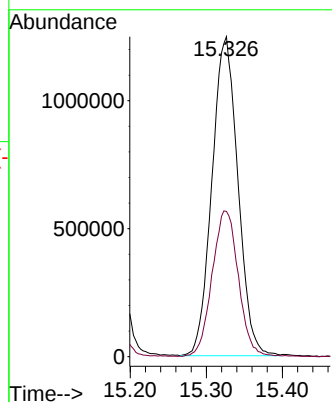
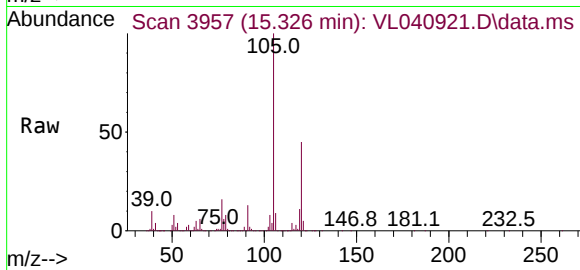
ICVVL122023

Tgt Ion:105 Resp: 2952992

Ion Ratio Lower Upper

105 100

120 45.4 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 9.515 ppbv

RT: 16.079 min Scan# 4191

Delta R.T. -0.000 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Tgt Ion:105 Resp: 3217745

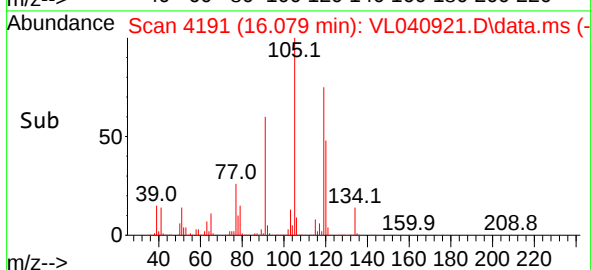
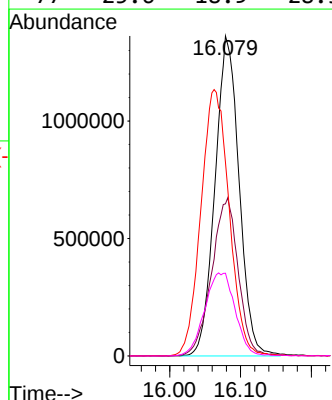
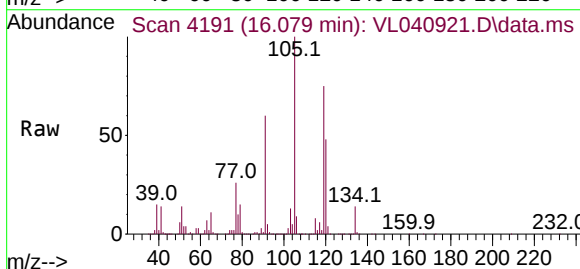
Ion Ratio Lower Upper

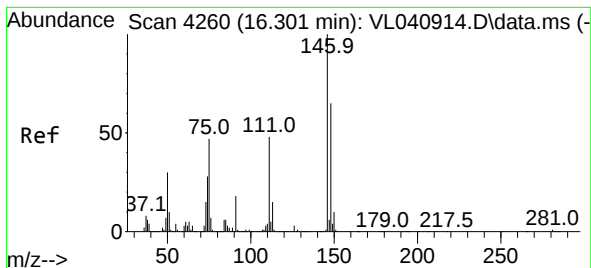
105 100

120 47.3 40.2 60.4

91 60.2 43.0 64.6

77 25.6 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 9.645 ppbv

RT: 16.304 min Scan# 4260

Delta R.T. 0.003 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

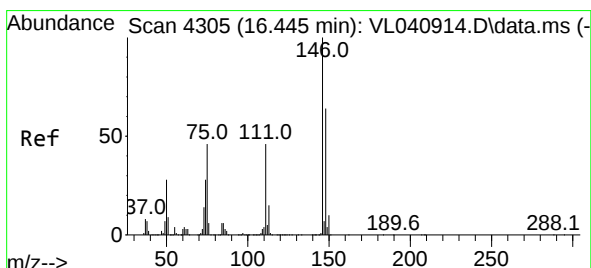
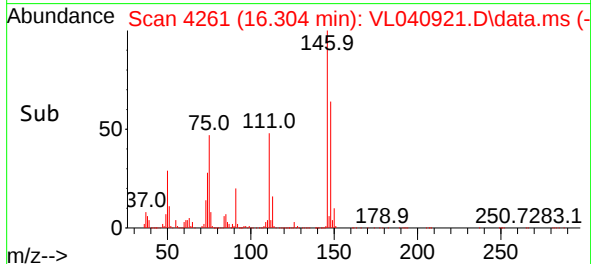
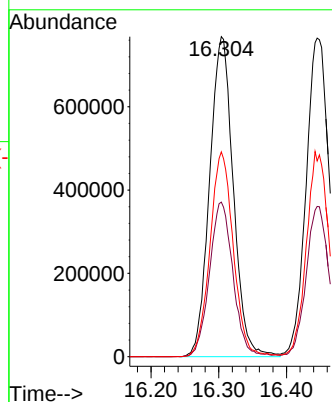
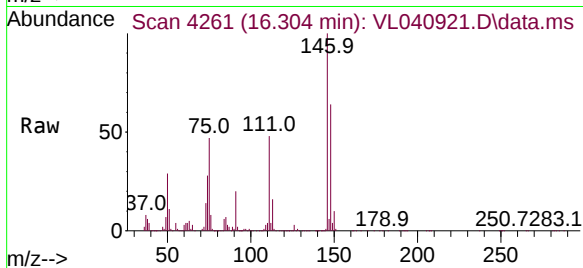
Tgt Ion:146 Resp: 1863053

Ion Ratio Lower Upper

146 100

111 48.0 24.7 74.1

148 63.2 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 9.649 ppbv

RT: 16.445 min Scan# 4305

Delta R.T. -0.000 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

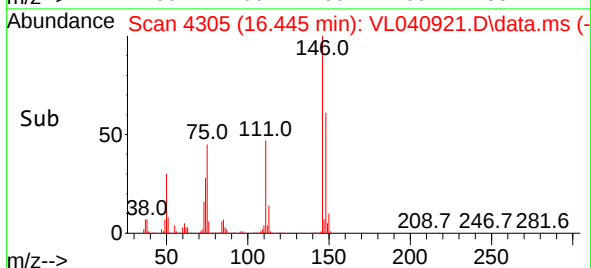
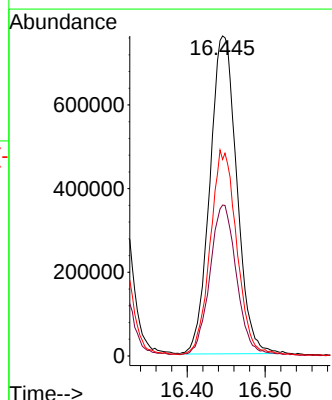
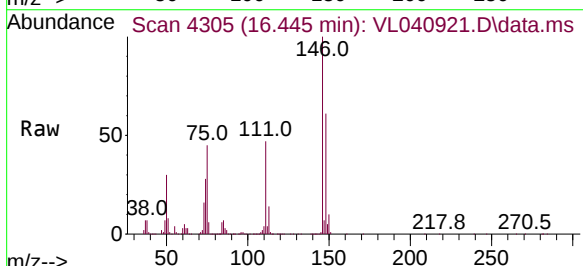
Tgt Ion:146 Resp: 1823244

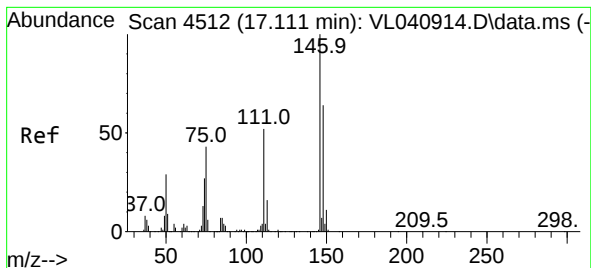
Ion Ratio Lower Upper

146 100

111 47.7 24.1 72.4

148 64.9 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 9.516 ppbv

RT: 17.114 min Scan# 4512

Delta R.T. 0.003 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

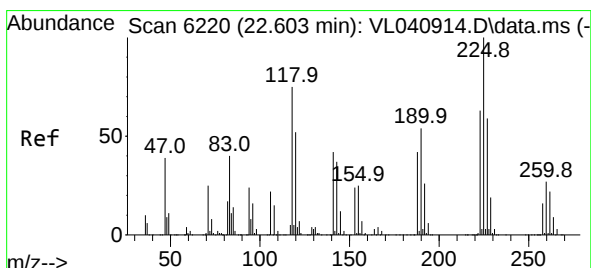
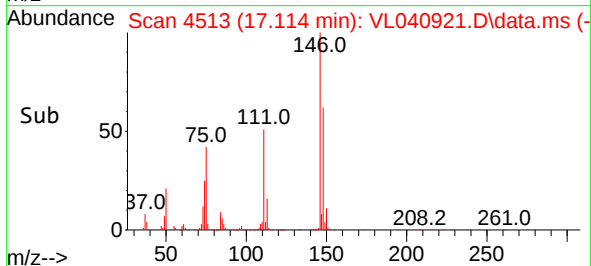
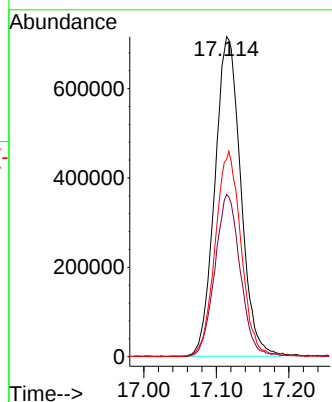
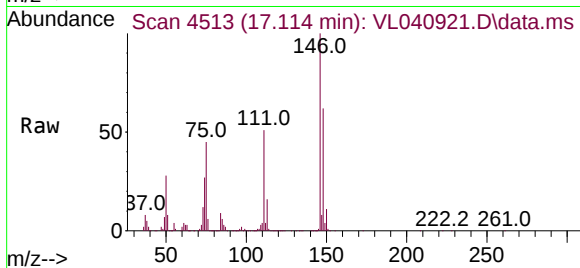
Tgt Ion:146 Resp: 1770836

Ion Ratio Lower Upper

146 100

111 50.2 25.5 76.5

148 64.4 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 8.414 ppbv

RT: 22.603 min Scan# 6220

Delta R.T. -0.000 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

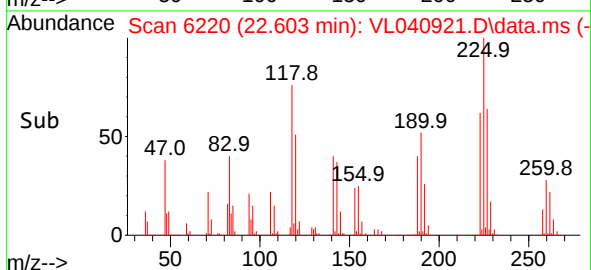
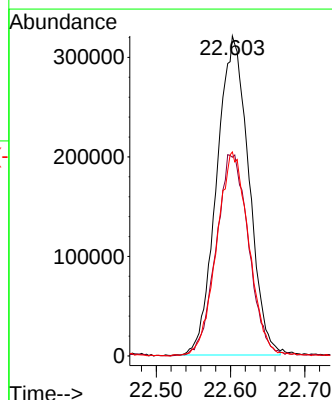
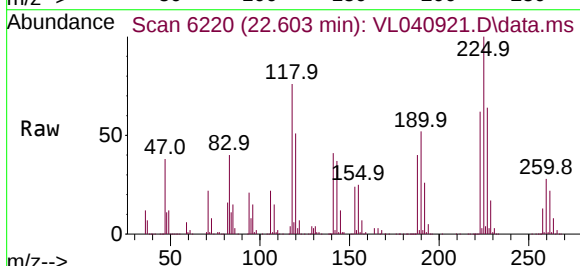
Tgt Ion:225 Resp: 962957

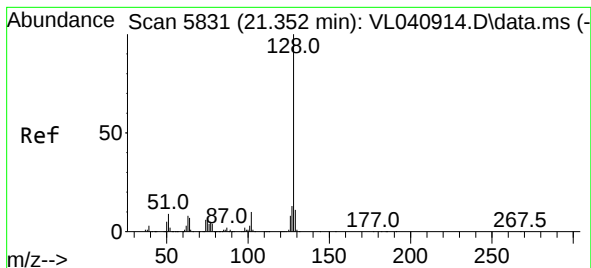
Ion Ratio Lower Upper

225 100

223 64.7 51.5 77.3

227 64.7 51.7 77.5





#79

Naphthalene

Concen: 13.441 ppbv

RT: 21.355 min Scan# 5832

Delta R.T. 0.003 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

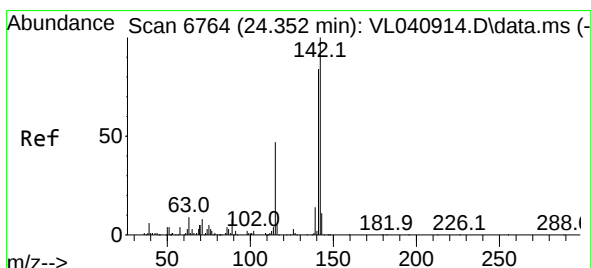
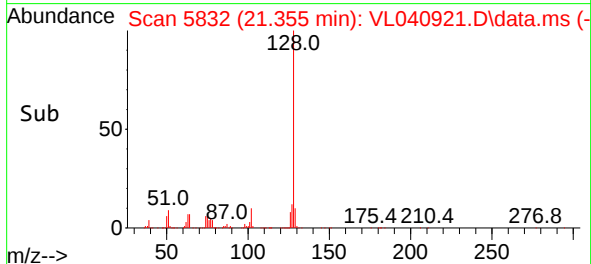
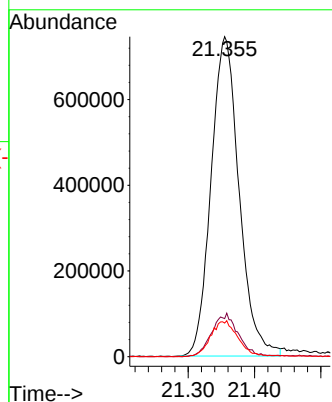
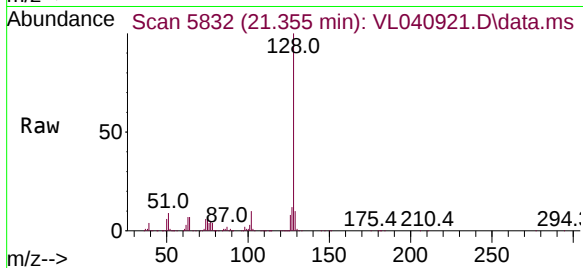
Tgt Ion:128 Resp: 2189996

Ion Ratio Lower Upper

128 100

127 11.9 10.6 15.8

129 10.4 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 15.478 ppbv

RT: 24.355 min Scan# 6765

Delta R.T. 0.003 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

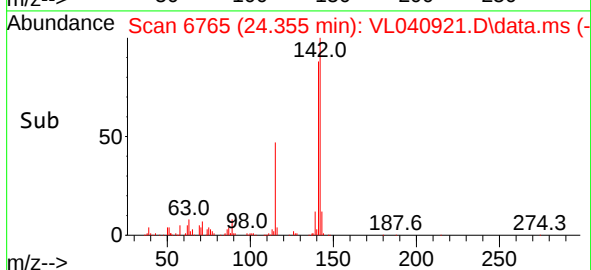
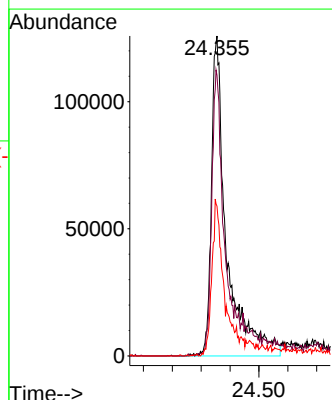
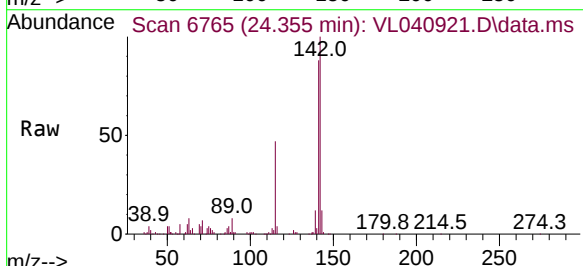
Tgt Ion:142 Resp: 460935

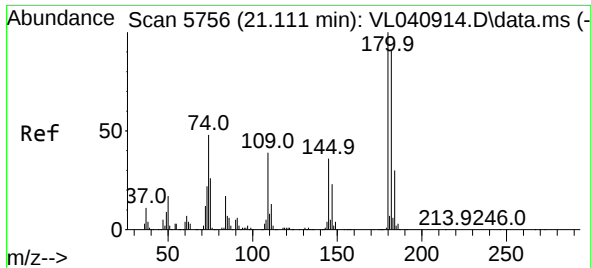
Ion Ratio Lower Upper

142 100

141 78.9 68.5 102.7

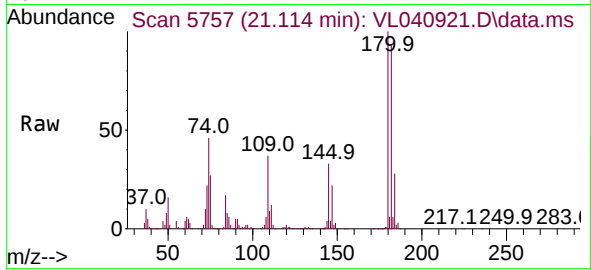
115 42.4 34.5 51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.614 ppbv
 RT: 21.114 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL122023



Tgt Ion:180 Resp: 1086434
 Ion Ratio Lower Upper
 180 100
 182 99.6 79.4 119.0
 184 30.9 24.5 36.7

