

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040141.D
 Acq On : 6 Feb 2023 11:06
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 07 05:49:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 31 05:24:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	888474	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2383398	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2322161	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1813232	9.395	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	1833093	11.767	ppbv	97
3) Chlorodifluoromethane	2.661	51	1057741	9.926	ppbv	98
4) Chloromethane	2.800	50	668724	10.153	ppbv	99
5) Vinyl Chloride	2.909	62	577246	10.337	ppbv	98
6) Bromomethane	3.108	94	197576	9.697	ppbv	99
7) Chloroethane	3.185	64	195829	9.175	ppbv	99
8) Dichlorotetrafluoroethane	2.845	85	1464980	10.074	ppbv	100
9) Propene	2.681	41	437084	9.872	ppbv	99
10) Heptane	7.578	43	1092816	10.709	ppbv	99
11) Trichlorofluoromethane	3.552	101	1542776	9.924	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	1166553	9.981	ppbv	99
13) Ethanol	3.234	45	17131	4.204	ppbv #	58
14) Bromoethene	3.353	108	456074	10.512	ppbv	99
15) Acetone	3.456	43	1006292	9.444	ppbv	99
16) 1,3-Butadiene	2.973	39	510802	10.282	ppbv	99
17) tert-Butyl alcohol	3.867	59	990178	9.979	ppbv	100
18) 1,1-Dichloroethene	3.870	96	508334	10.010	ppbv	96
19) Isopropyl Alcohol	3.565	45	473542	9.083	ppbv #	98
20) Methylene Chloride	3.922	84	432196	9.194	ppbv	100
21) Allyl Chloride	3.986	41	708626	10.357	ppbv	98
22) trans-1,2-Dichloroethene	4.436	96	527170	10.160	ppbv	95
23) Vinyl Acetate	4.616	43	325252	9.416	ppbv	98
24) 1,1-Dichloroethane	4.555	63	1049798	10.037	ppbv	99
25) Ethyl Acetate	5.198	43	1940275	10.336	ppbv	99
26) Hexane	5.205	57	813053	9.897	ppbv	100
27) Carbon Disulfide	4.115	76	1252970	11.773	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	955864	10.343	ppbv	100
29) Chloroform	5.266	83	1435074	10.926	ppbv	96
30) Cyclohexane	6.594	84	707881	10.839	ppbv	98
31) cis-1,2-Dichloroethene	5.070	61	798386	10.039	ppbv	97
32) 1,1,1-Trichloroethane	5.996	97	1465291	10.976	ppbv	100
34) 2-Butanone	4.777	43	1137399	10.089	ppbv	100
35) Carbon Tetrachloride	6.491	117	1542575	11.447	ppbv	97
36) Benzene	6.365	78	1795350	10.179	ppbv	98
37) 1,2-Dichloroethane	5.799	62	1135720	10.018	ppbv	100
38) Trichloroethene	7.288	130	1064612	10.635	ppbv	98
39) 1,2-Dichloropropane	7.070	63	690724	10.012	ppbv	94
40) 1,4-Dioxane	7.282	88	244491	8.930	ppbv	70
41) Tetrahydrofuran	5.552	42	682328	10.486	ppbv	99
42) Bromodichloromethane	7.246	83	1611337	10.526	ppbv	99
43) Methyl Methacrylate	7.471	69	716280	11.067	ppbv	98
44) 2,2,4-Trimethylpentane	7.320	57	2994905	10.210	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	689926	11.954	ppbv	100

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 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

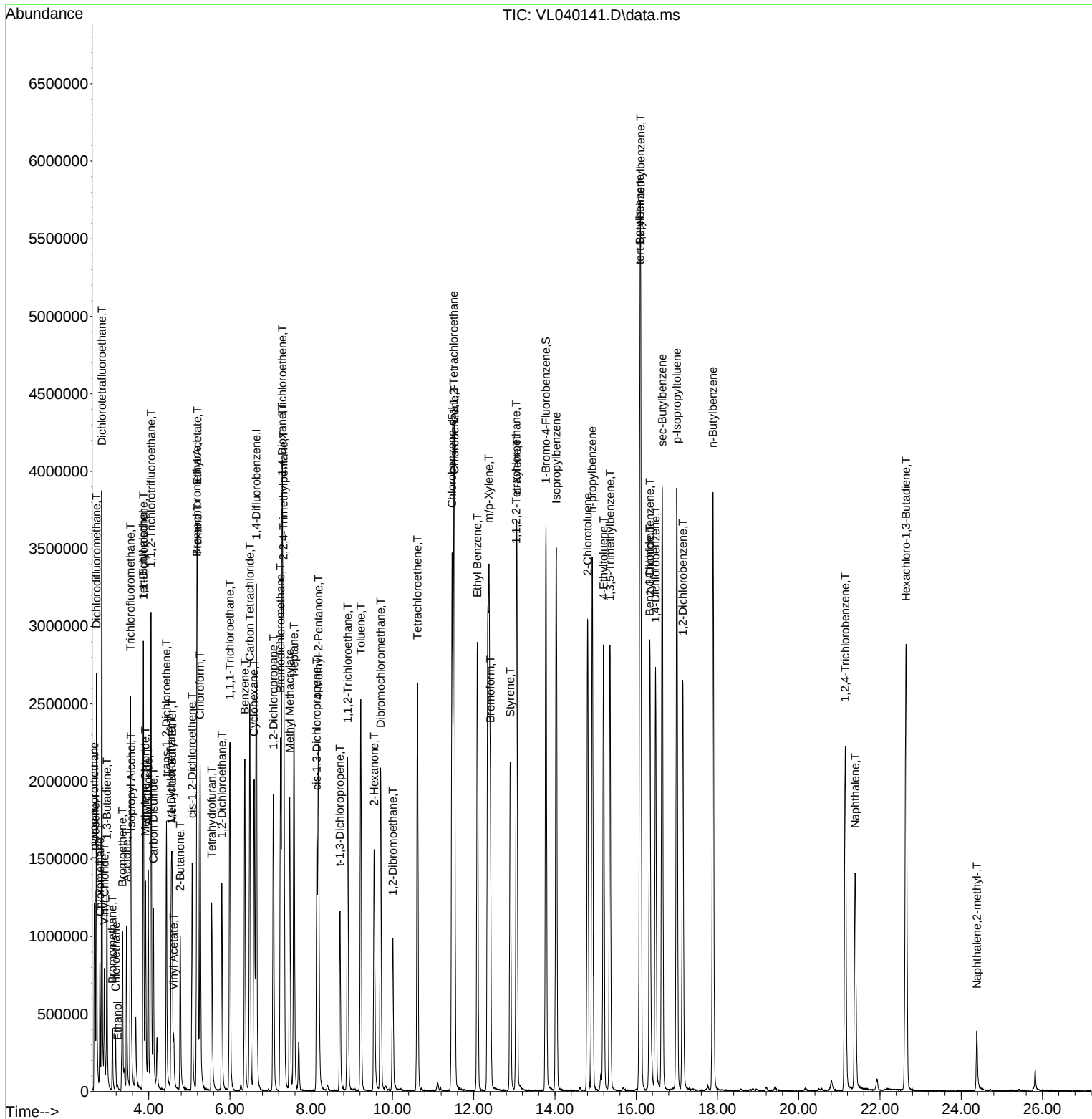
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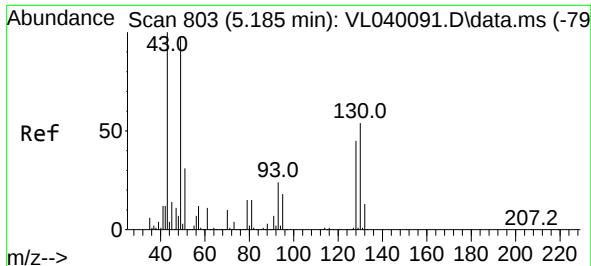
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 31 05:24:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	940274	11.922	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	720023	9.913	ppbv	98
48) Dibromochloromethane	9.713	129	1262352	10.813	ppbv	100
49) Bromoform	12.410	173	965877	10.740	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	1840252	10.378	ppbv	100
51) 2-Hexanone	9.549	43	1410668	10.500	ppbv	98
52) Tetrachloroethene	10.616	164	604500	10.477	ppbv	98
53) Toluene	9.221	91	2020104	10.739	ppbv	100
54) 1,2-Dibromoethane	10.012	107	812946	10.690	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.510	131	899656	9.954	ppbv	98
57) Chlorobenzene	11.529	112	1527684	9.651	ppbv	96
58) Ethyl Benzene	12.089	91	2720883	10.500	ppbv	100
59) m/p-Xylene	12.372	91	2408411	10.336	ppbv #	36
60) o-Xylene	13.063	91	2237931	10.119	ppbv	100
61) Styrene	12.899	104	1265196	10.978	ppbv	99
62) Isopropylbenzene	14.034	105	3132688	9.848	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	735558	9.160	ppbv	98
64) n-propylbenzene	14.918	120	788123	9.966	ppbv	100
65) tert-Butylbenzene	16.092	119	2767403	10.161	ppbv	99
66) Benzyl Chloride	16.330	91	182621	9.811	ppbv #	94
67) sec-Butylbenzene	16.642	105	3946330	10.221	ppbv	100
69) p-Isopropyltoluene	16.998	119	3183297	10.492	ppbv	100
70) n-Butylbenzene	17.889	91	3429069	10.480	ppbv	100
71) 2-Chlorotoluene	14.802	91	2425210	9.913	ppbv	100
72) 4-Ethyltoluene	15.198	105	2528620	10.303	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2257543	10.216	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	2484217	10.149	ppbv	97
75) 1,3-Dichlorobenzene	16.336	146	1376132	10.122	ppbv	100
76) 1,4-Dichlorobenzene	16.478	146	1345411	10.065	ppbv	100
77) 1,2-Dichlorobenzene	17.146	146	1357301	10.440	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	828997	8.706	ppbv	99
79) Naphthalene	21.390	128	1796514	12.812	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	273841	5.796	ppbv	97
81) 1,2,4-Trichlorobenzene	21.146	180	959683	11.104	ppbv	98

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

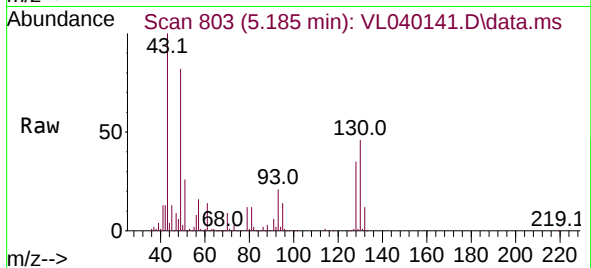
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QLast Update : Tue Jan 31 05:24:57 2023
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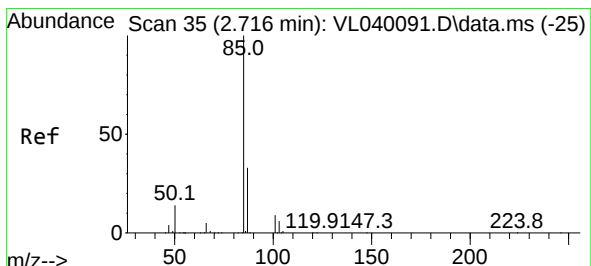
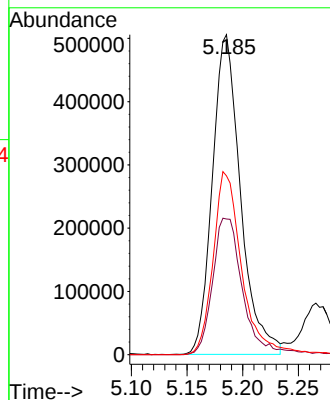
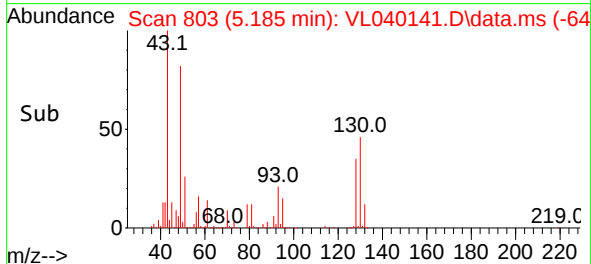


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

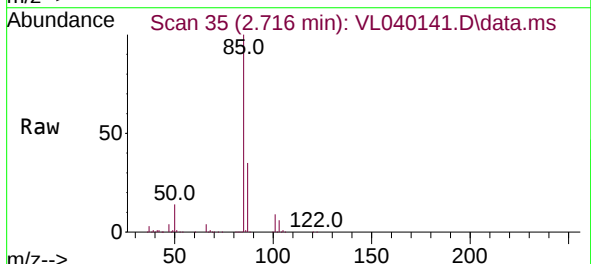
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ClientSampleId :



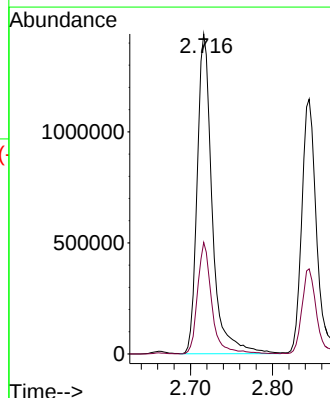
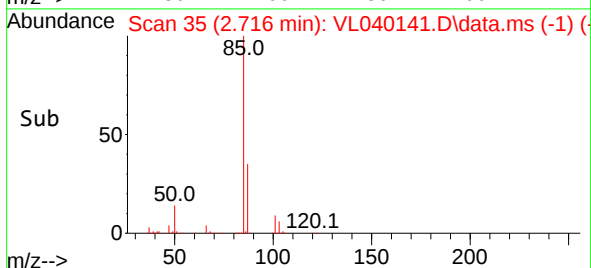
Tgt Ion: 49 Resp: 888474
Ion Ratio Lower Upper
49 100
128 46.1 23.6 71.0
130 59.0 29.8 89.3

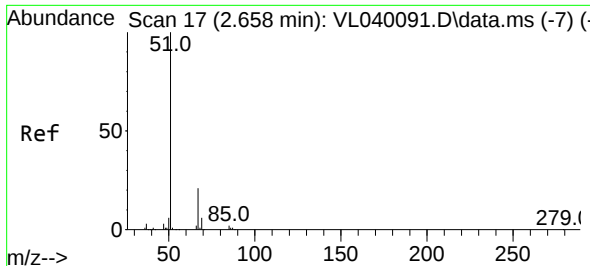


#2
Dichlorodifluoromethane
Concen: 11.767 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06



Tgt Ion: 85 Resp: 1833093
Ion Ratio Lower Upper
85 100
87 34.8 26.5 39.7

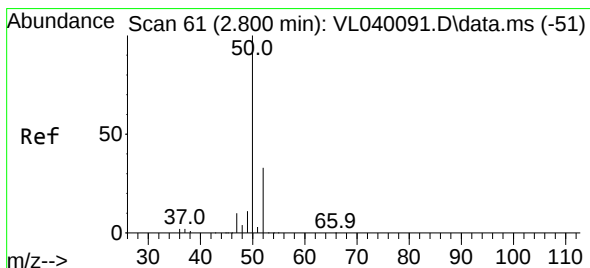
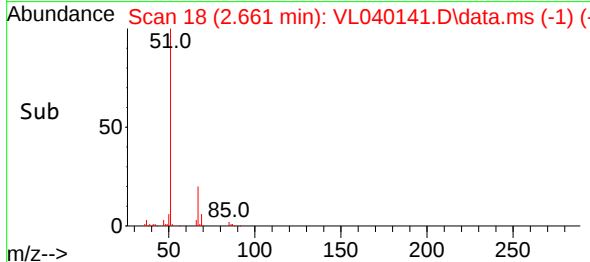
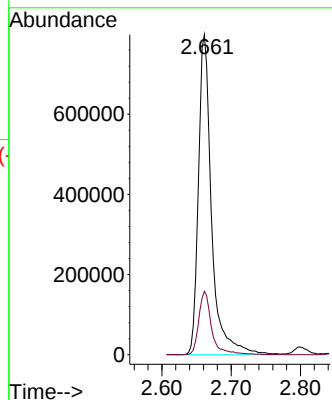
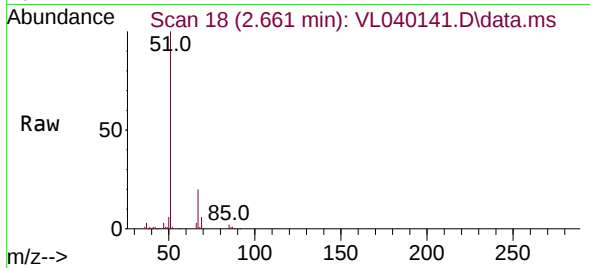




#3
Chlorodifluoromethane
Concen: 9.926 ppbv
RT: 2.661 min Scan# 18
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

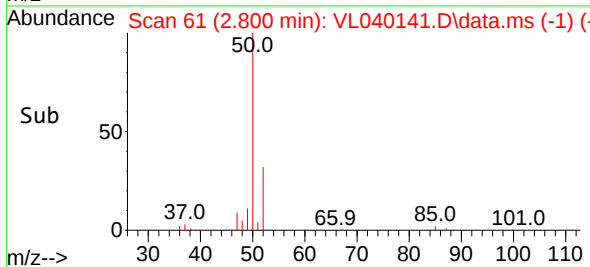
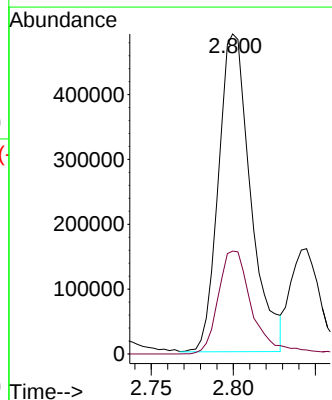
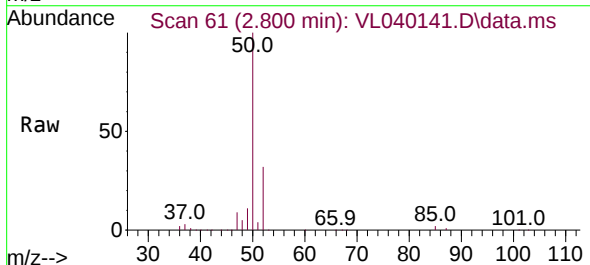
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ClientSampleId :

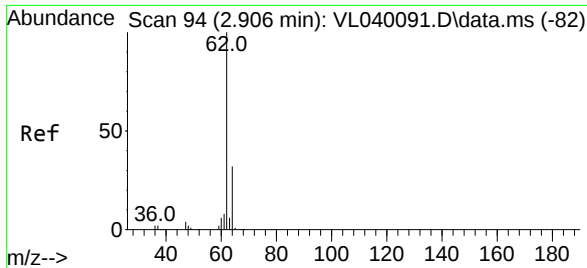
Tgt Ion: 51 Resp: 1057741
Ion Ratio Lower Upper
51 100
67 19.4 16.4 24.6



#4
Chloromethane
Concen: 10.153 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 50 Resp: 668724
Ion Ratio Lower Upper
50 100
52 32.4 26.5 39.7

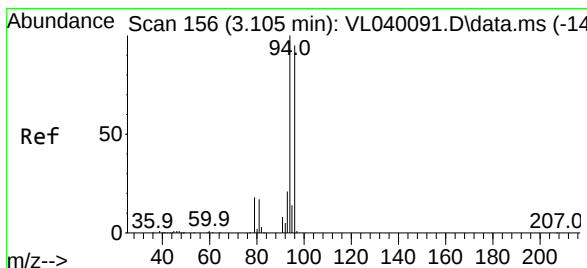
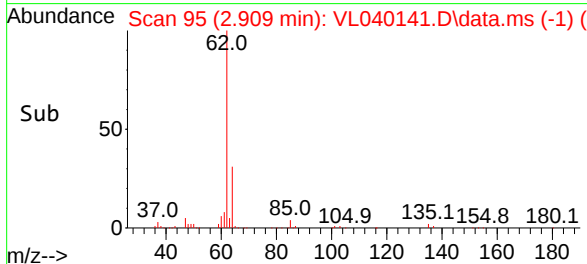
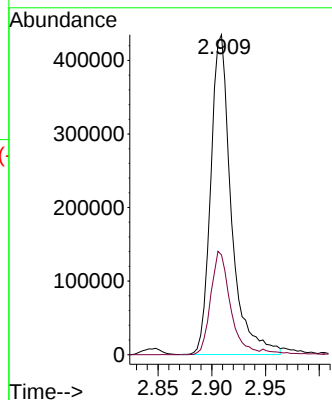
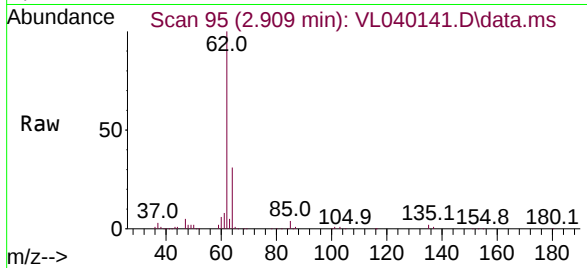




#5
 Vinyl Chloride
 Concen: 10.337 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.007 min
 Lab File: VL040141.D
 Acq: 6 Feb 2023 11:06

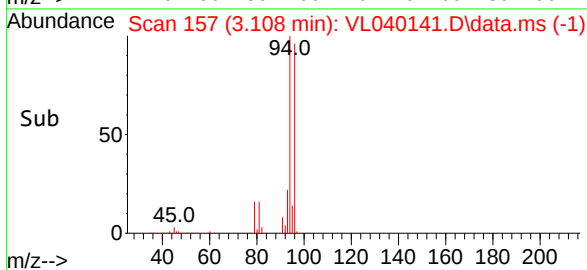
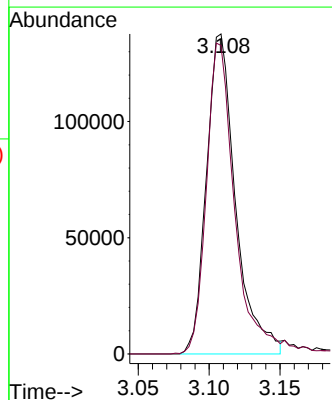
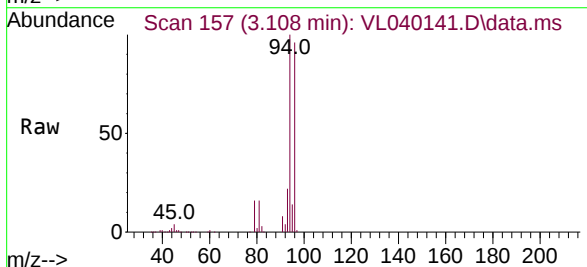
Instrument :
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 ClientSampleId :

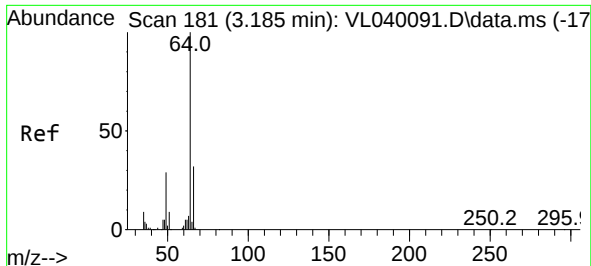
Tgt Ion: 62 Resp: 577246
 Ion Ratio Lower Upper
 62 100
 64 31.2 25.8 38.6



#6
 Bromomethane
 Concen: 9.697 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.007 min
 Lab File: VL040141.D
 Acq: 6 Feb 2023 11:06

Tgt Ion: 94 Resp: 197576
 Ion Ratio Lower Upper
 94 100
 96 96.3 76.2 114.2

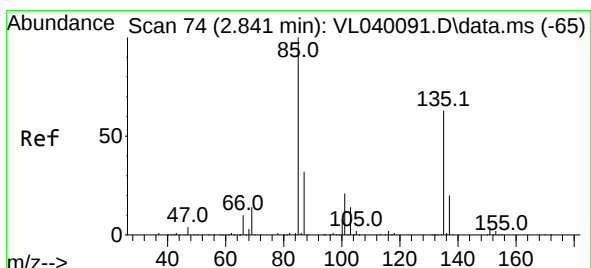
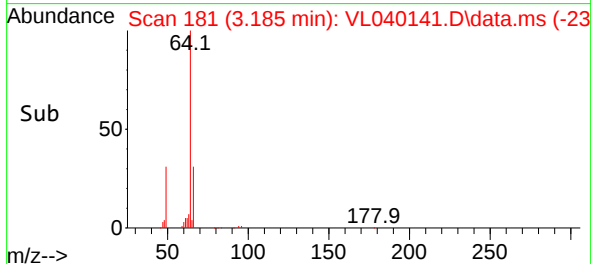
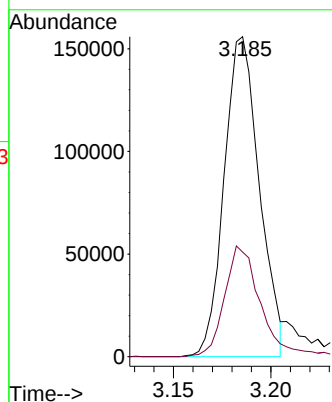
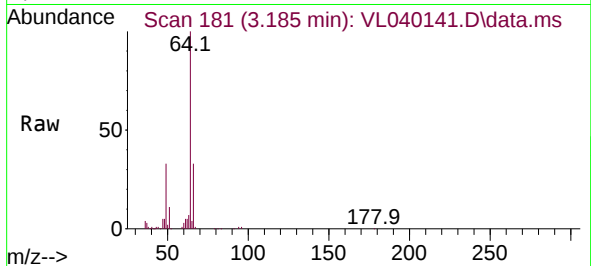




#7
Chloroethane
Concen: 9.175 ppbv
RT: 3.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

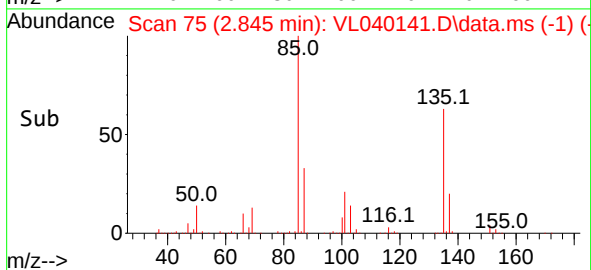
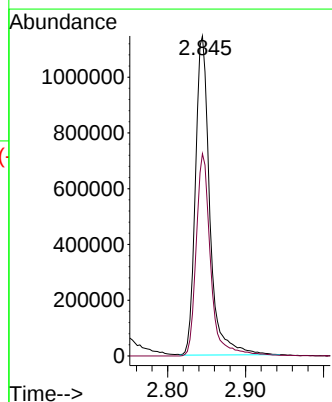
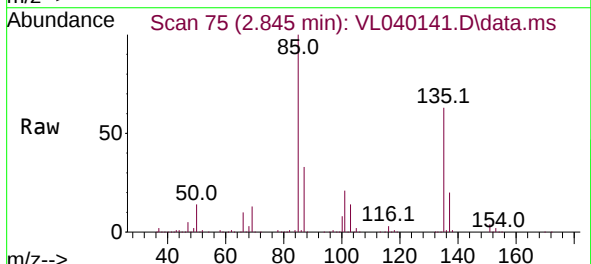
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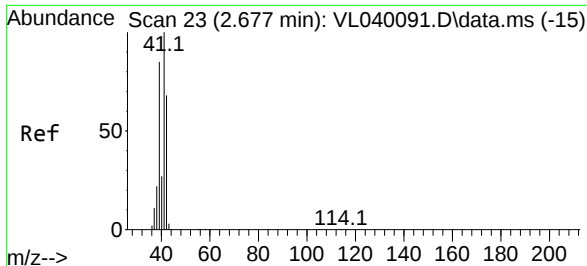
Tgt Ion: 64 Resp: 195829
Ion Ratio Lower Upper
64 100
66 32.7 25.6 38.4



#8
Dichlorotetrafluoroethane
Concen: 10.074 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.006 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 85 Resp: 1464980
Ion Ratio Lower Upper
85 100
135 64.2 51.4 77.2

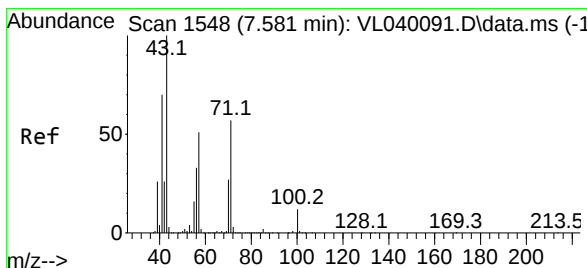
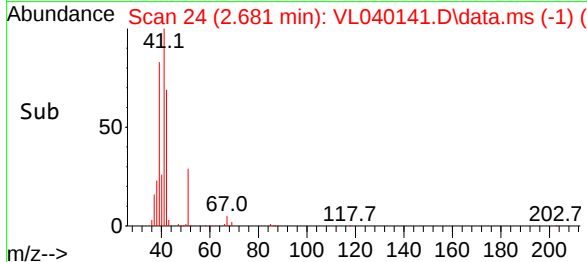
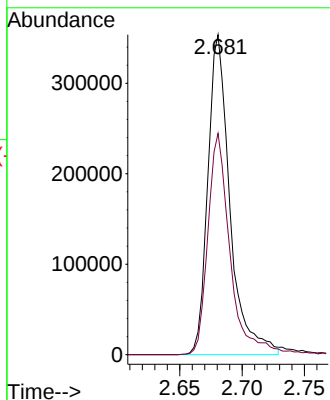
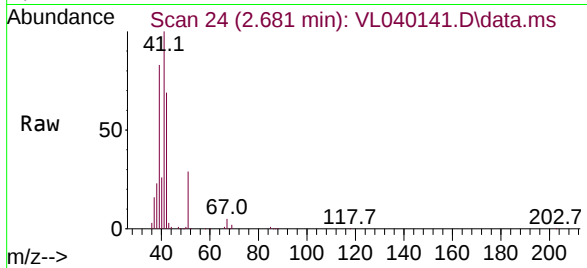




#9
 Propene
 Concen: 9.872 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.006 min
 Lab File: VL040141.D
 Acq: 6 Feb 2023 11:06

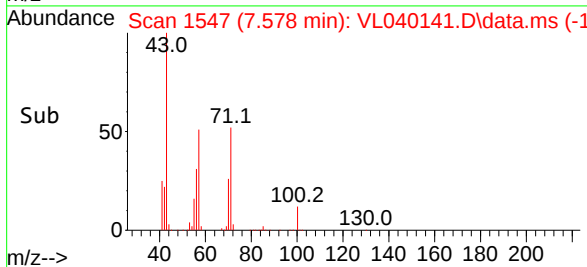
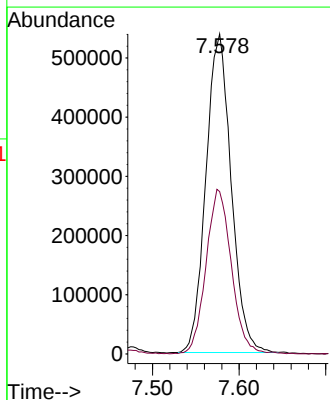
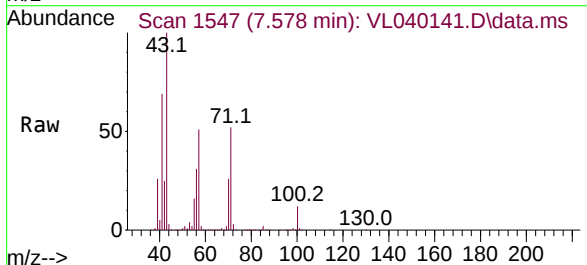
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 ClientSampleId :

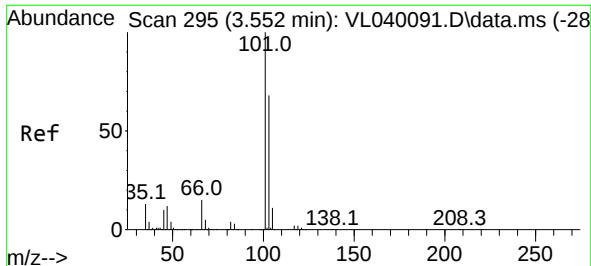
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 Ion Ratio Lower Upper
 41 100
 42 70.7 55.6 83.4



#10
 Heptane
 Concen: 10.709 ppbv
 RT: 7.578 min Scan# 1547
 Delta R.T. 0.010 min
 Lab File: VL040141.D
 Acq: 6 Feb 2023 11:06

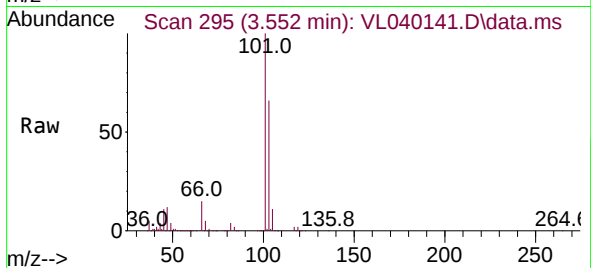
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 Ion Ratio Lower Upper
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 57 51.7 40.9 61.3



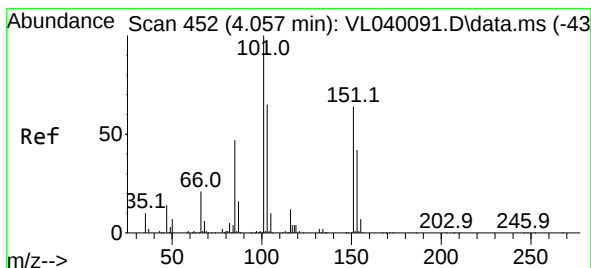
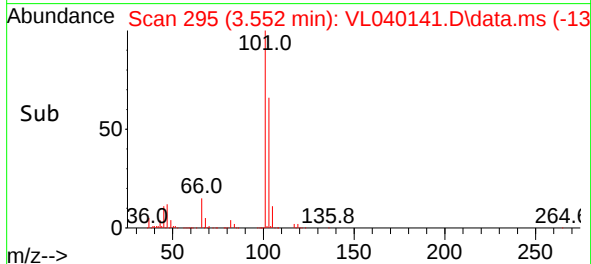
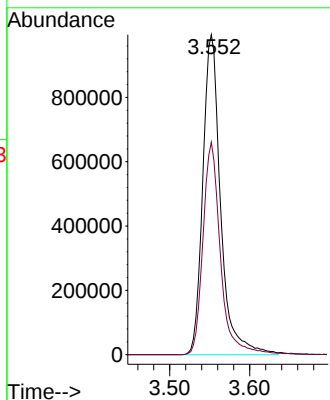


#11
 Trichlorofluoromethane
 Concen: 9.924 ppbv
 RT: 3.552 min Scan# 295
 Delta R.T. 0.006 min
 Lab File: VL040141.D
 Acq: 6 Feb 2023 11:06

Instrument :
 MSVOA_L
 ClientSampleId :

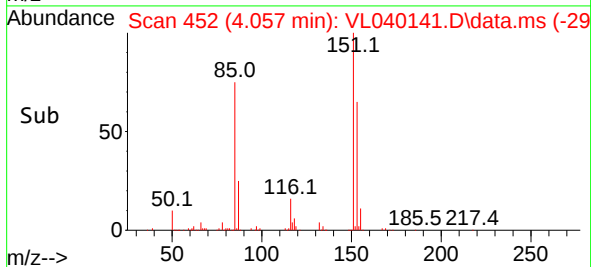
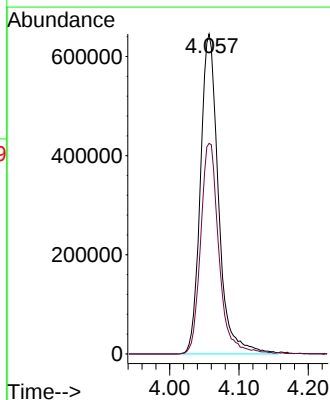
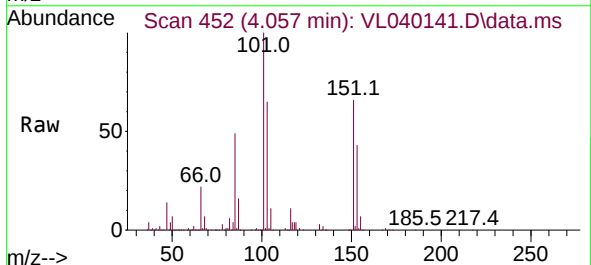


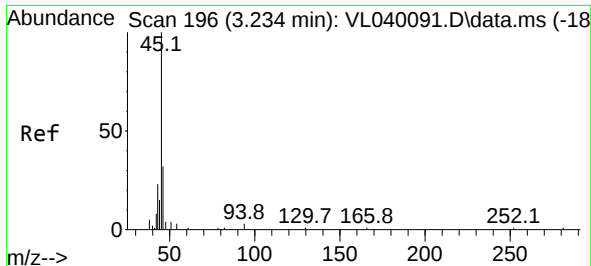
Tgt Ion:101 Resp: 1542776
 Ion Ratio Lower Upper
 101 100
 103 66.4 54.0 81.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.981 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. 0.010 min
 Lab File: VL040141.D
 Acq: 6 Feb 2023 11:06

Tgt Ion:101 Resp: 1166553
 Ion Ratio Lower Upper
 101 100
 151 67.1 53.2 79.8





#13

Ethanol

Concen: 4.204 ppbv

RT: 3.234 min Scan# 196

Delta R.T. 0.006 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

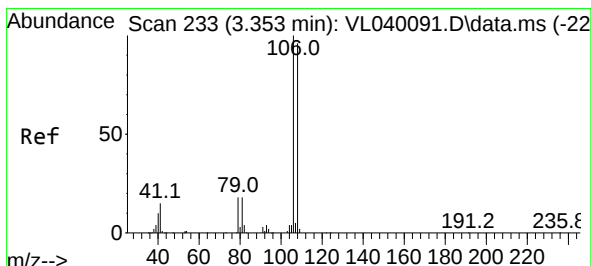
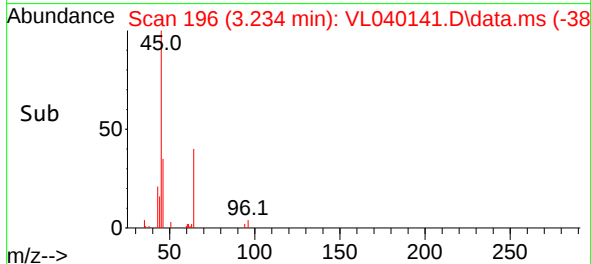
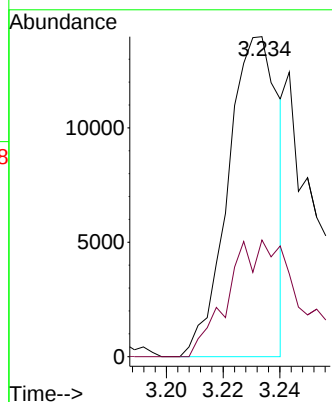
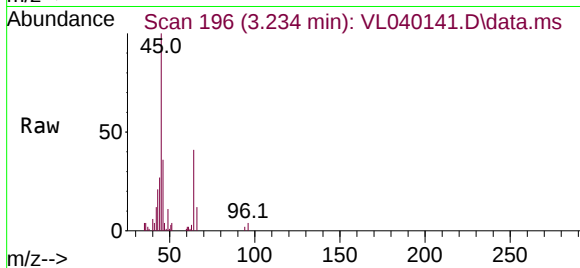
ClientSampleId :

Tgt Ion: 45 Resp: 17131

Ion Ratio Lower Upper

45 100

46 62.0 14.8 59.2#



#14

Bromoethene

Concen: 10.512 ppbv

RT: 3.353 min Scan# 233

Delta R.T. 0.003 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

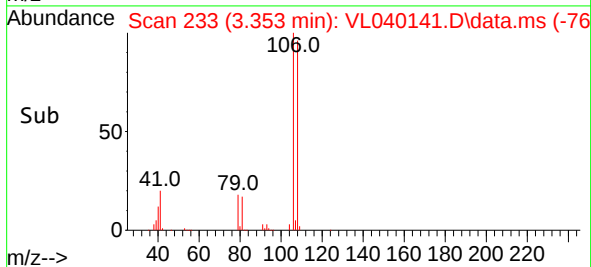
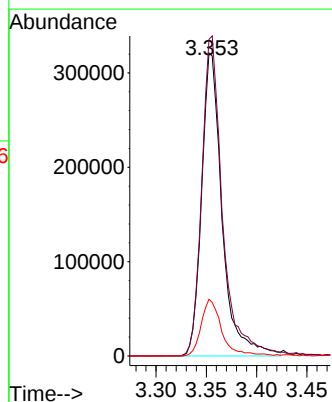
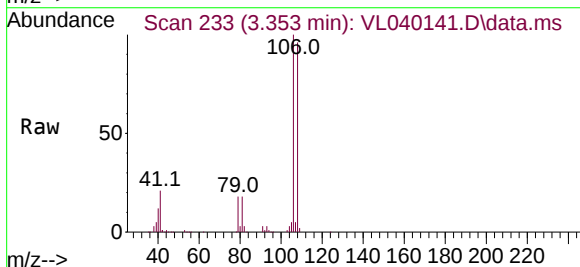
Tgt Ion: 108 Resp: 456074

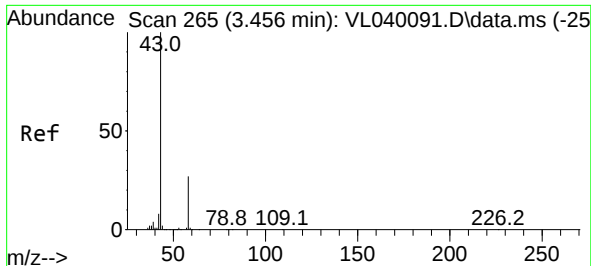
Ion Ratio Lower Upper

108 100

106 108.2 87.0 130.6

79 19.2 16.1 24.1

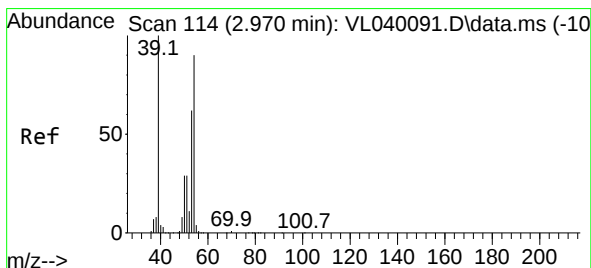
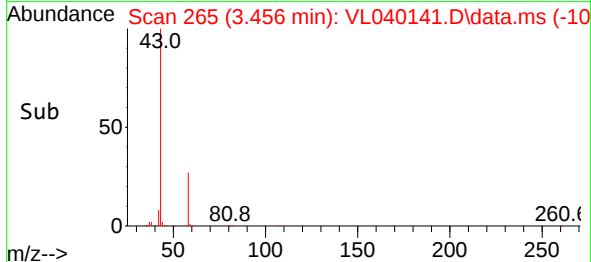
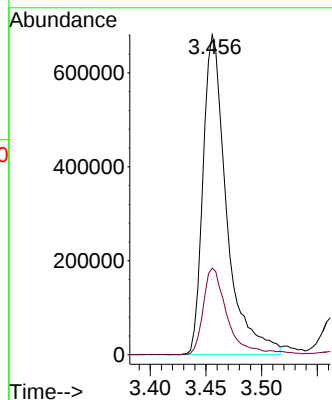
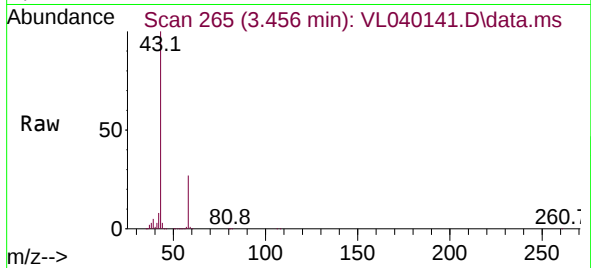




#15
Acetone
Concen: 9.444 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

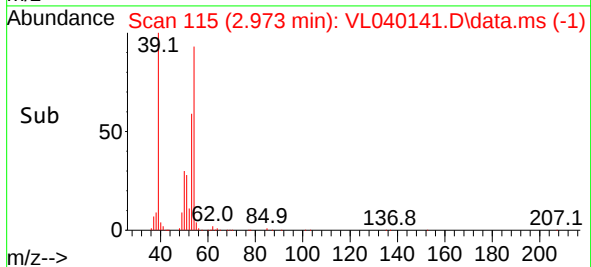
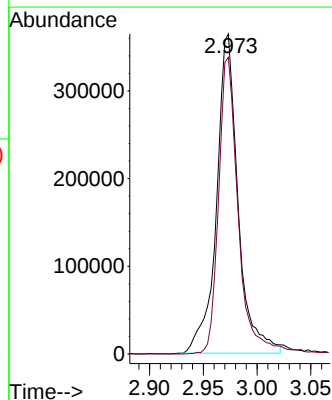
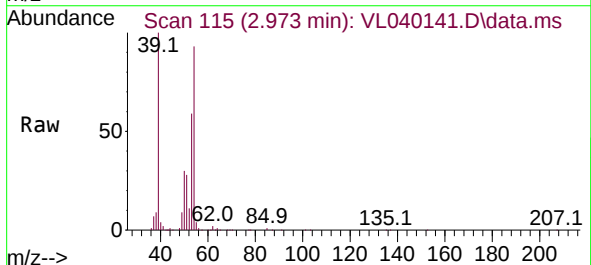
Instrument :
MSVOA_L
ClientSampleId :

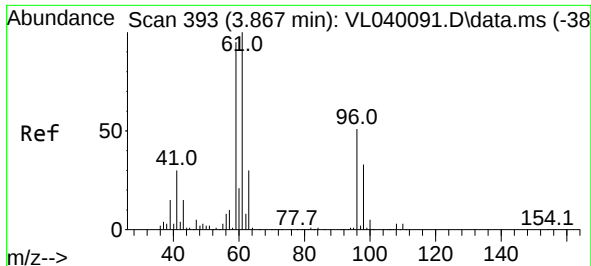
Tgt Ion: 43 Resp: 1006292
Ion Ratio Lower Upper
43 100
58 27.9 21.8 32.8



#16
1,3-Butadiene
Concen: 10.282 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 39 Resp: 510802
Ion Ratio Lower Upper
39 100
54 85.8 67.9 101.9





#17

tert-Butyl alcohol

Concen: 9.979 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.006 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

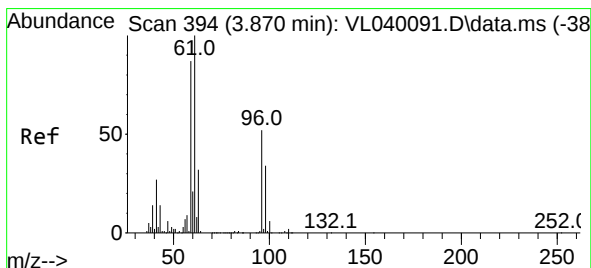
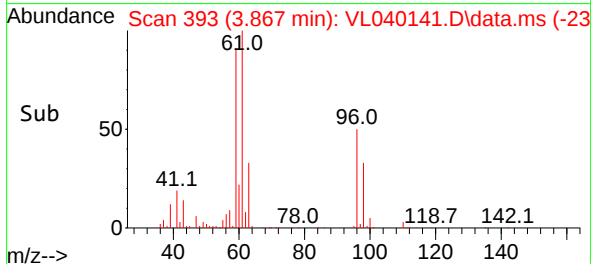
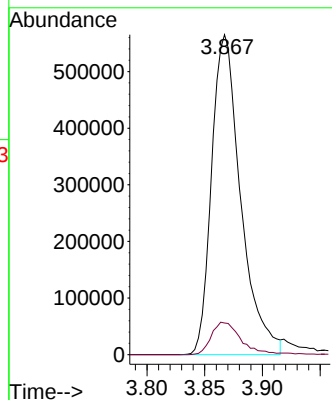
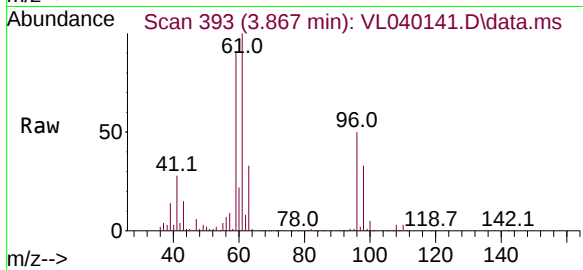
ClientSampleId :

Tgt Ion: 59 Resp: 990178

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.010 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.007 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

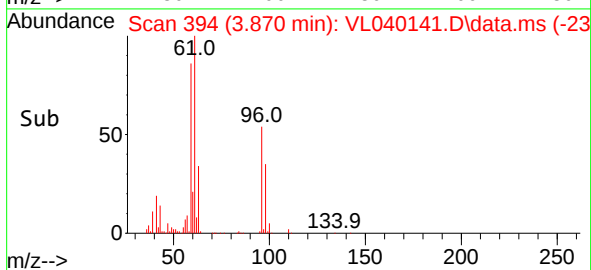
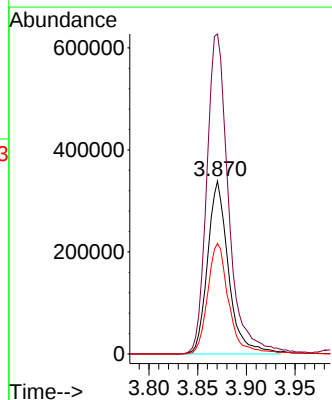
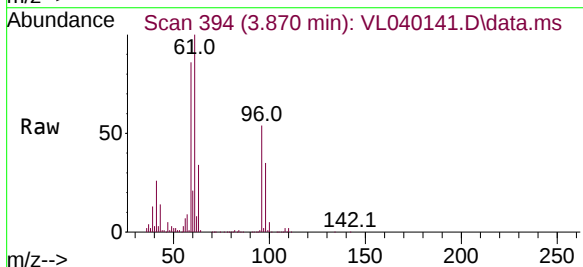
Tgt Ion: 96 Resp: 508334

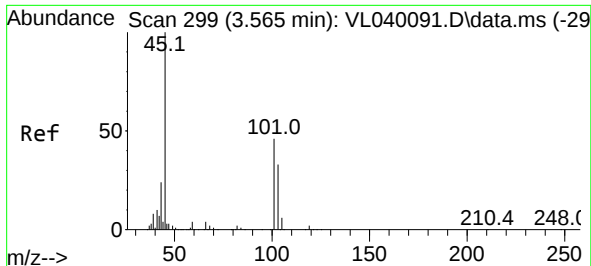
Ion Ratio Lower Upper

96 100

61 185.0 153.0 229.4

98 63.9 52.7 79.1

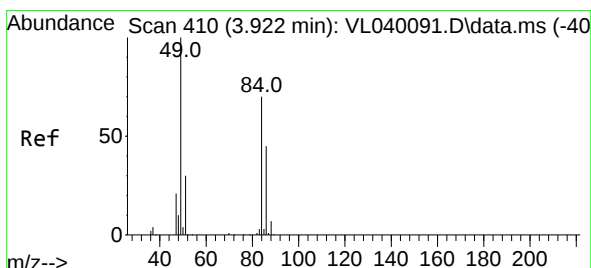
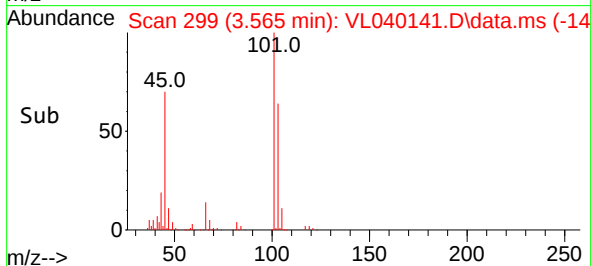
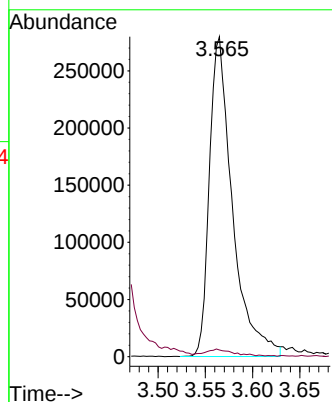
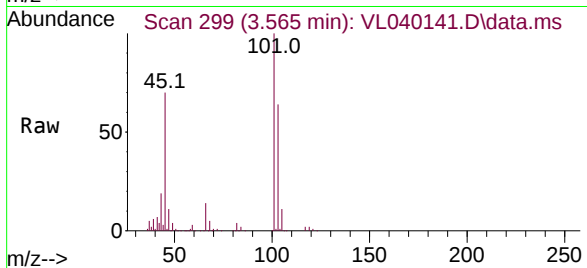




#19
Isopropyl Alcohol
Concen: 9.083 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

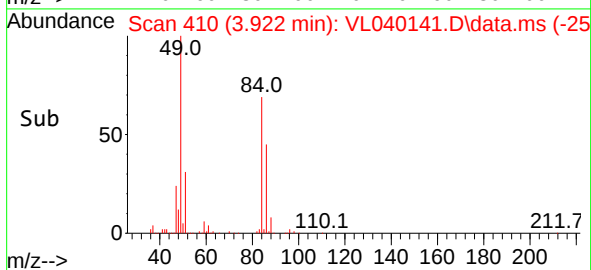
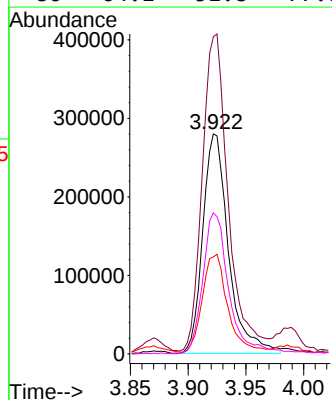
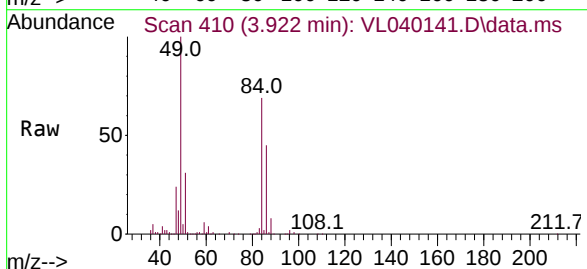
Instrument :
MSVOA_L
ClientSampleId :

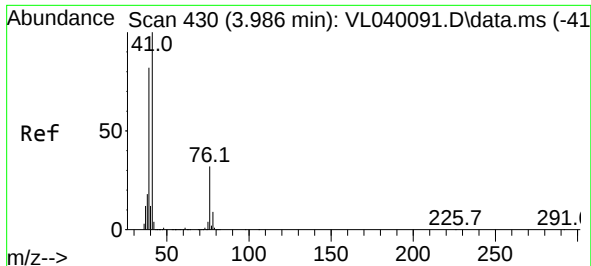
Tgt Ion: 45 Resp: 473542
Ion Ratio Lower Upper
45 100
58 2.6 2.6 4.0#



#20
Methylene Chloride
Concen: 9.194 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 84 Resp: 432196
Ion Ratio Lower Upper
84 100
49 143.2 114.6 171.8
51 43.3 34.3 51.5
86 64.1 51.8 77.8





#21

Allyl Chloride

Concen: 10.357 ppbv

RT: 3.986 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

ClientSampleId :

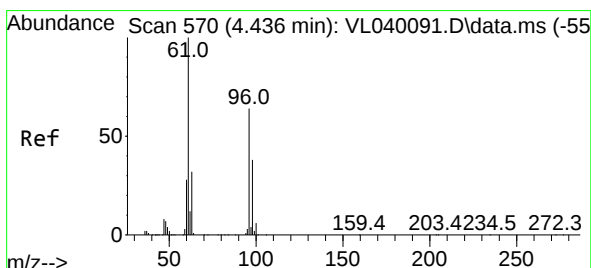
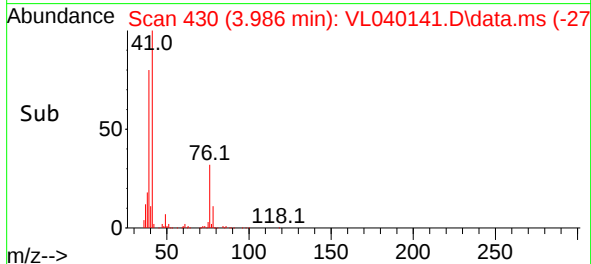
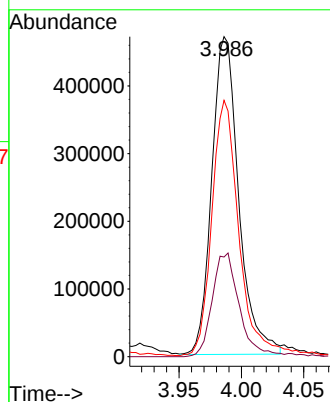
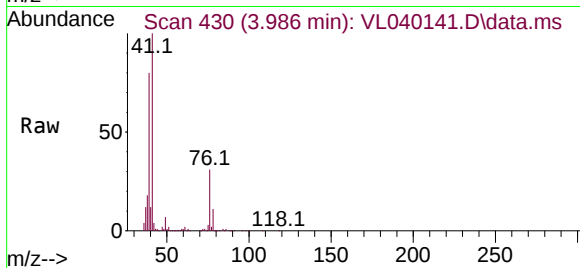
Tgt Ion: 41 Resp: 708626

Ion Ratio Lower Upper

41 100

76 33.2 25.9 38.9

39 81.4 66.8 100.2



#22

trans-1,2-Dichloroethene

Concen: 10.160 ppbv

RT: 4.436 min Scan# 570

Delta R.T. 0.007 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

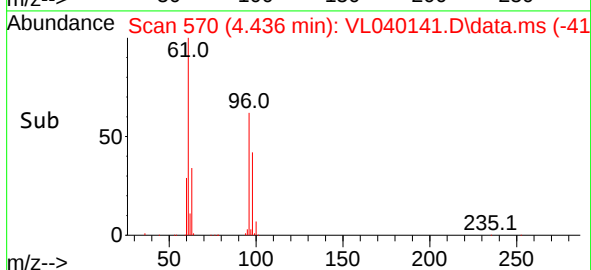
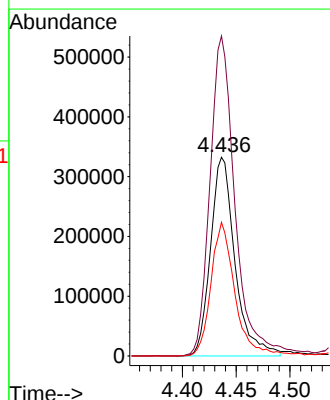
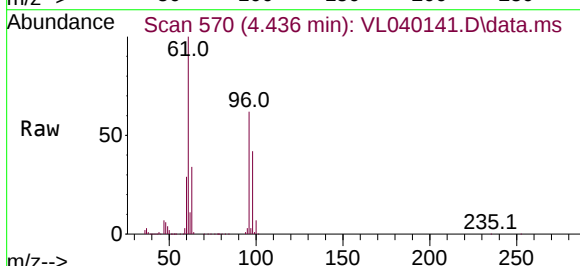
Tgt Ion: 96 Resp: 527170

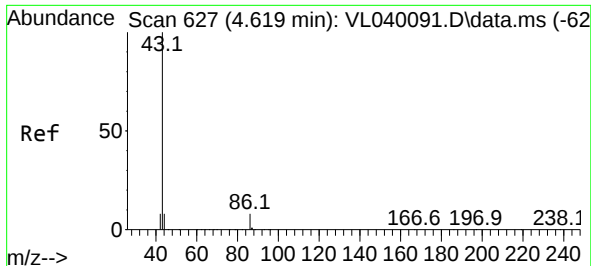
Ion Ratio Lower Upper

96 100

61 161.0 125.8 188.8

98 67.1 47.4 71.2

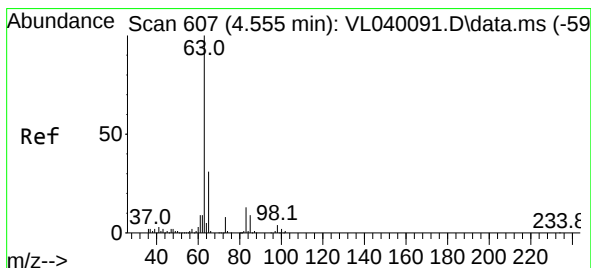
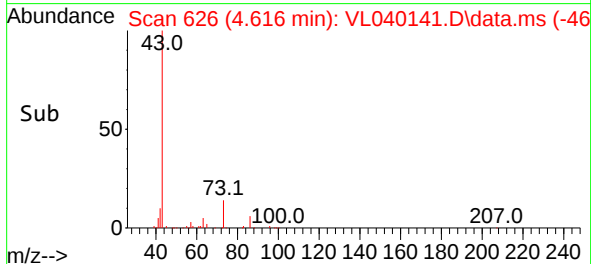
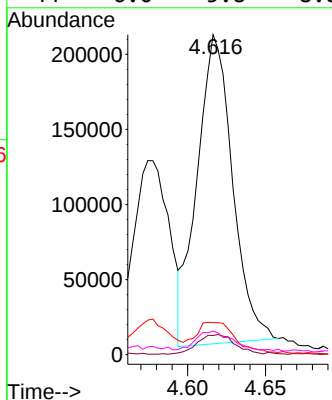
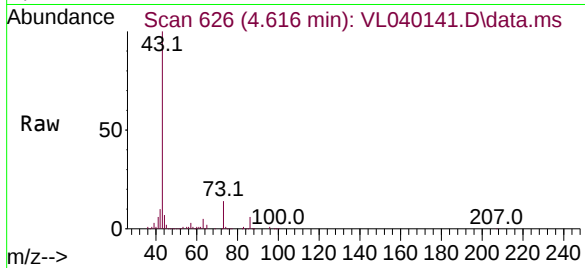




#23
 Vinyl Acetate
 Concen: 9.416 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040141.D
 Acq: 6 Feb 2023 11:06

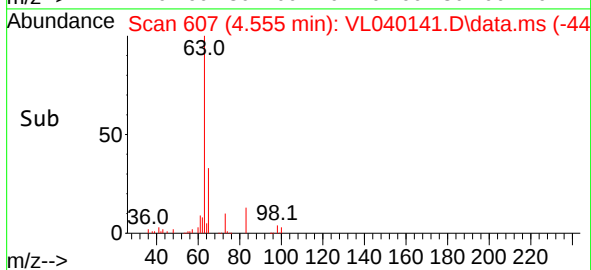
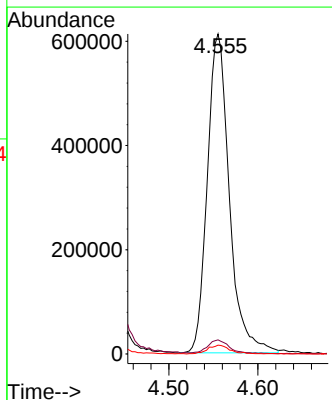
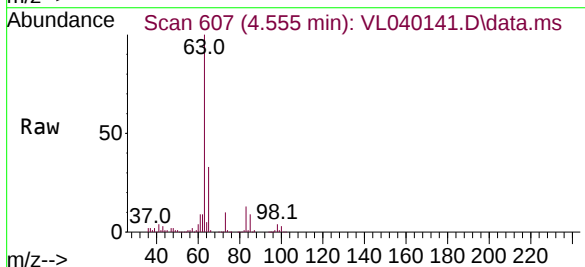
Instrument :
 MSVOA_L
 ClientSampleId :

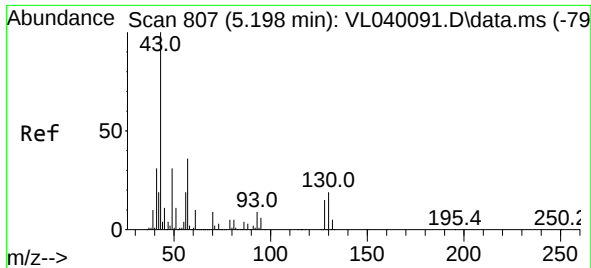
Tgt Ion: 43 Resp: 325252
 Ion Ratio Lower Upper
 43 100
 86 6.0 5.6 8.4
 42 9.8 7.7 11.5
 44 6.0 5.8 8.8



#24
 1,1-Dichloroethane
 Concen: 10.037 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. 0.007 min
 Lab File: VL040141.D
 Acq: 6 Feb 2023 11:06

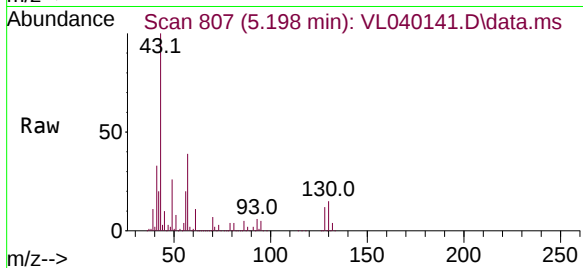
Tgt Ion: 63 Resp: 1049798
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.0 5.8
 100 2.7 1.1 3.5





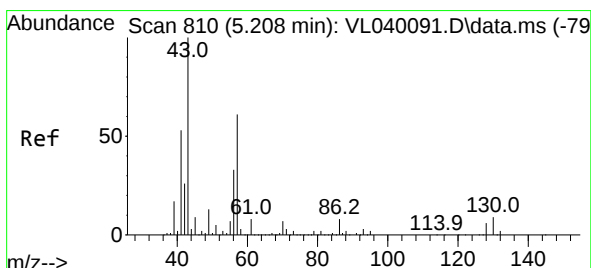
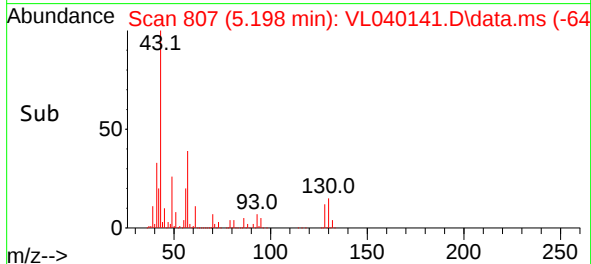
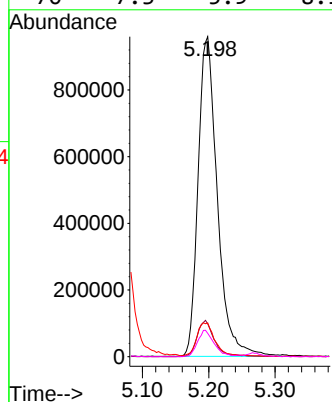
#25
Ethyl Acetate
Concen: 10.336 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 1940275

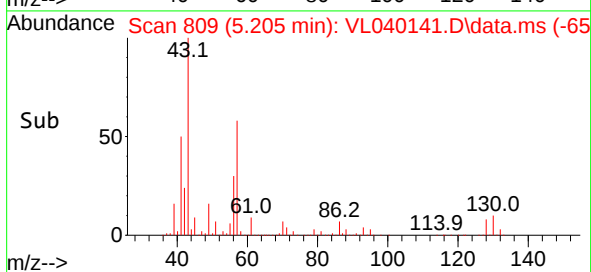
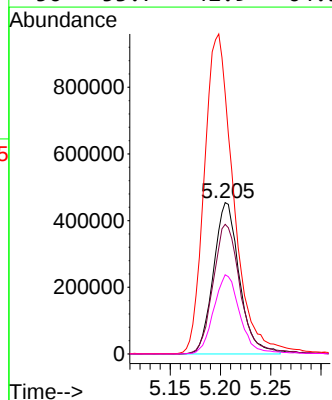
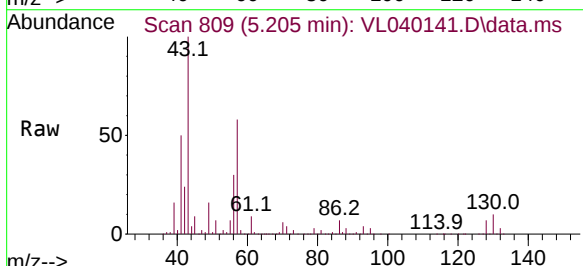
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.5	12.7
61	10.3	8.4	12.6
70	7.3	5.9	8.9

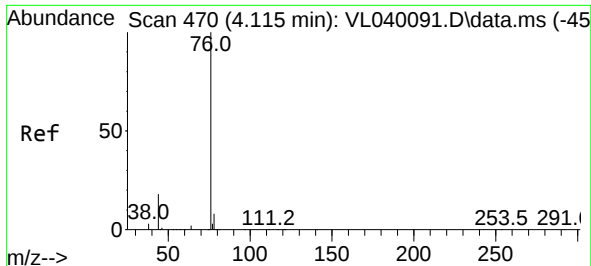


#26
Hexane
Concen: 9.897 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.006 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 57 Resp: 813053

Ion	Ratio	Lower	Upper
57	100		
41	91.2	72.2	108.4
43	240.1	192.1	288.1
56	53.7	42.9	64.3





#27

Carbon Disulfide

Concen: 11.773 ppbv

RT: 4.115 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

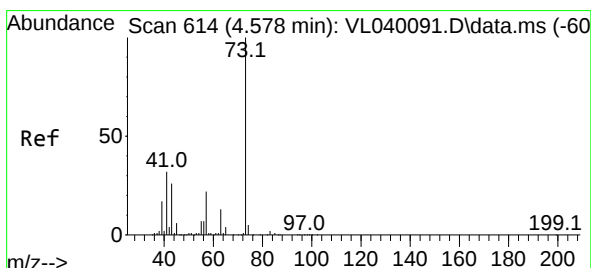
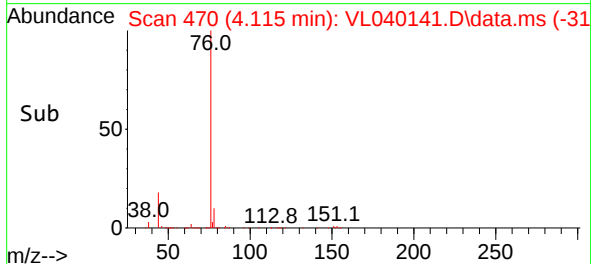
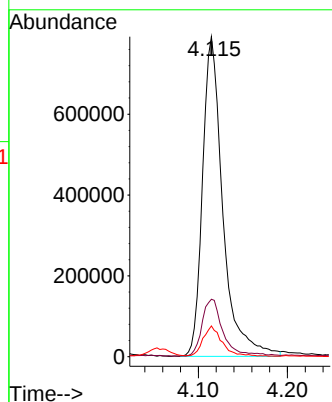
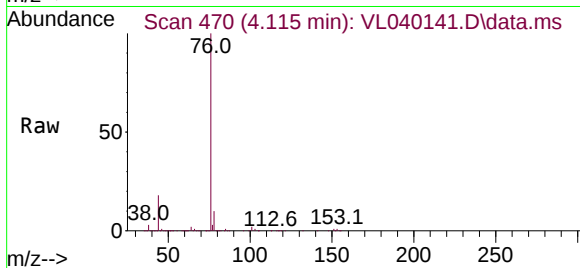
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 76 Resp: 1252970

Ion	Ratio	Lower	Upper
76	100		
44	18.6	14.9	22.3
78	9.3	8.2	12.2



#28

Methyl tert-Butyl Ether

Concen: 10.343 ppbv

RT: 4.578 min Scan# 614

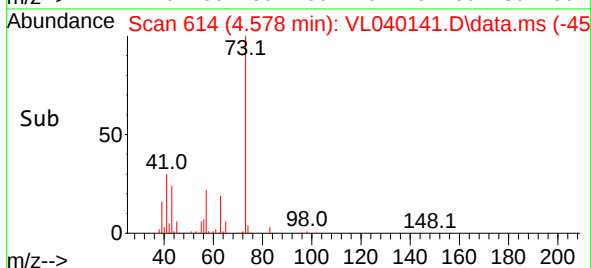
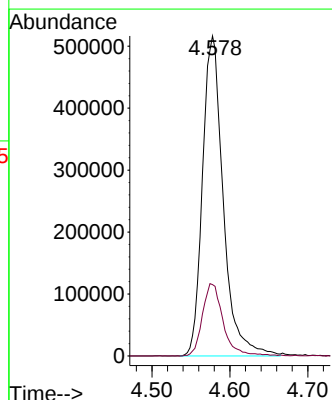
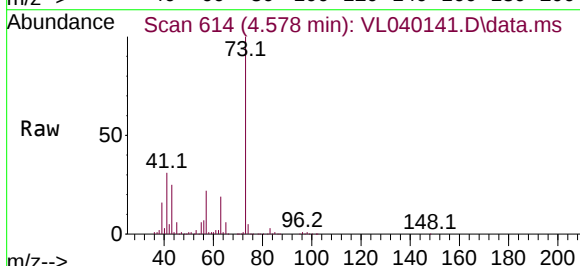
Delta R.T. 0.010 min

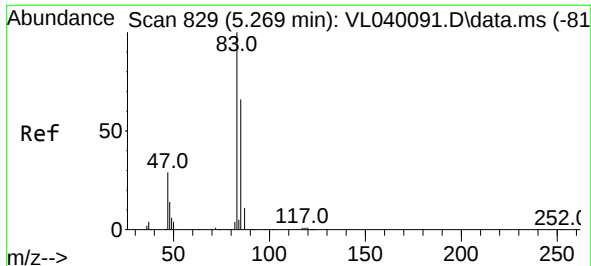
Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Tgt Ion: 73 Resp: 955864

Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.3	27.5

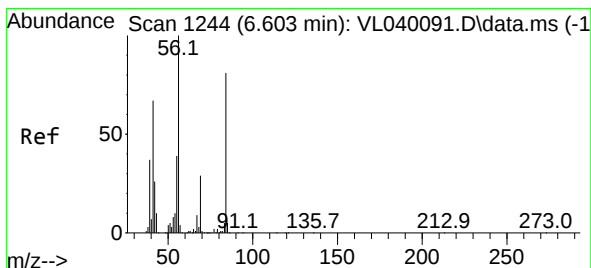
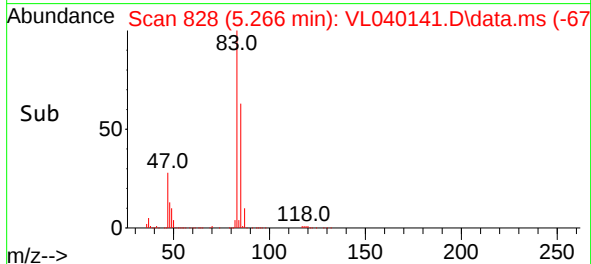
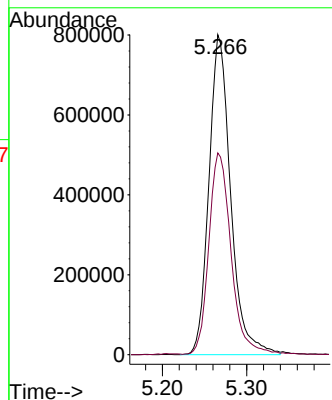
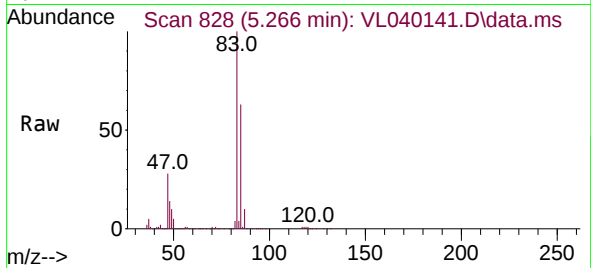




#29
Chloroform
Concen: 10.926 ppbv
RT: 5.266 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

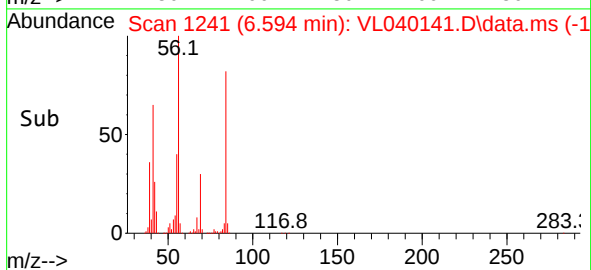
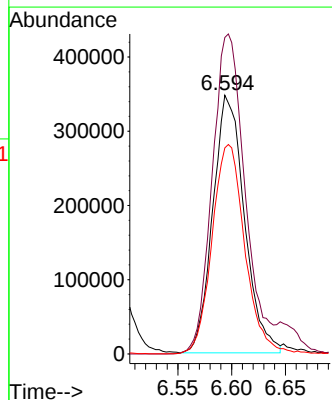
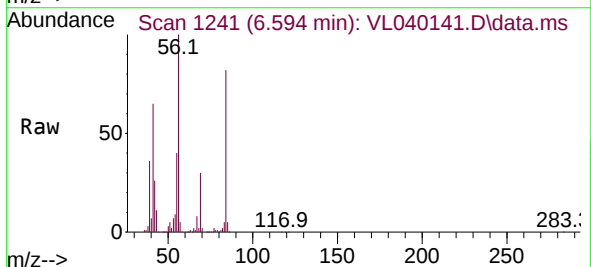
Instrument :
MSVOA_L
ClientSampleId :

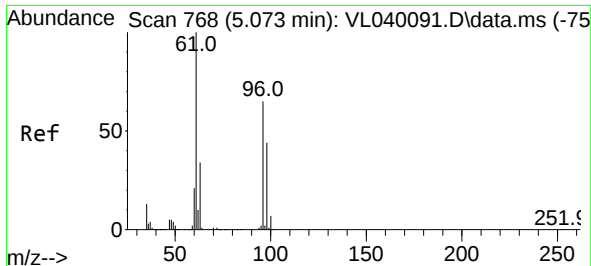
Tgt Ion: 83 Resp: 1435074
Ion Ratio Lower Upper
83 100
85 62.9 53.1 79.7



#30
Cyclohexane
Concen: 10.839 ppbv
RT: 6.594 min Scan# 1241
Delta R.T. 0.003 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 84 Resp: 707881
Ion Ratio Lower Upper
84 100
56 138.2 111.5 167.3
41 84.8 71.4 107.0

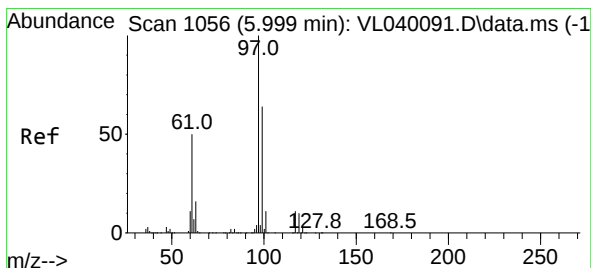
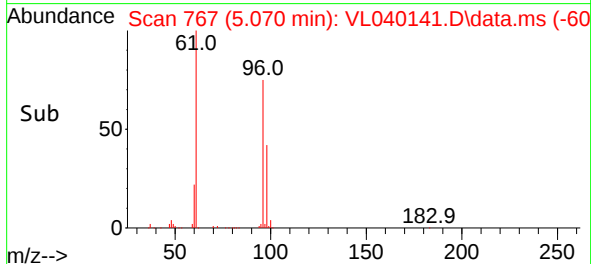
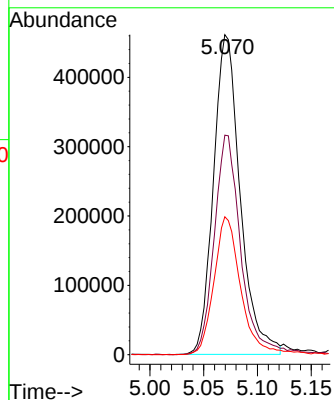
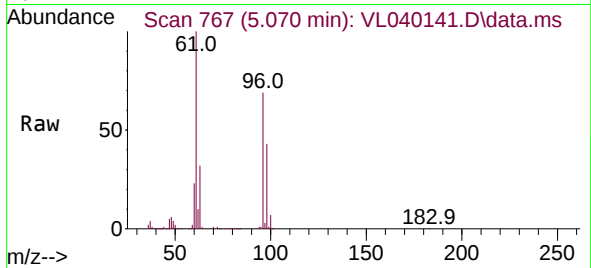




#31
 cis-1,2-Dichloroethene
 Concen: 10.039 ppbv
 RT: 5.070 min Scan# 768
 Delta R.T. 0.007 min
 Lab File: VL040141.D
 Acq: 6 Feb 2023 11:06

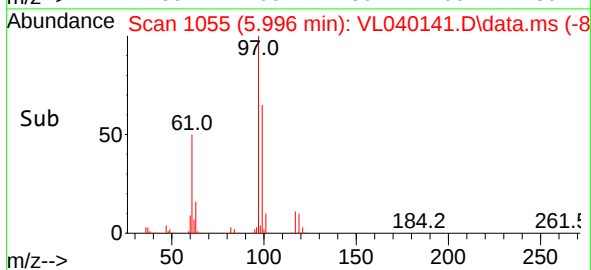
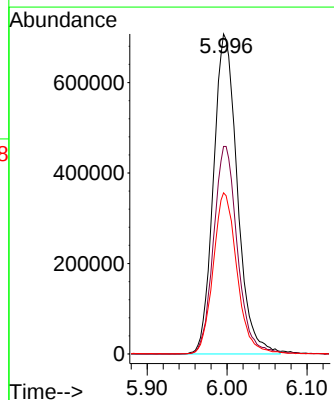
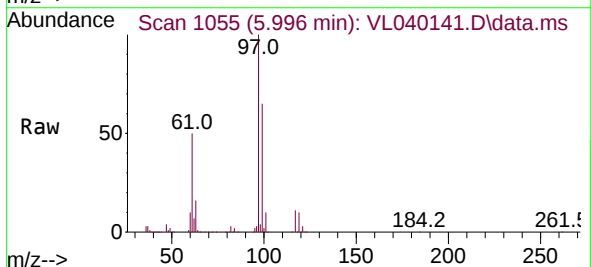
Instrument :
 MSVOA_L
 ClientSampleId :

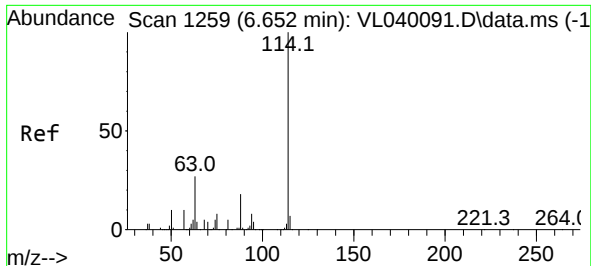
Tgt Ion: 61 Resp: 798386
 Ion Ratio Lower Upper
 61 100
 96 68.6 52.0 78.0
 98 43.1 35.3 52.9



#32
 1,1,1-Trichloroethane
 Concen: 10.976 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. 0.007 min
 Lab File: VL040141.D
 Acq: 6 Feb 2023 11:06

Tgt Ion: 97 Resp: 1465291
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.8 77.6
 61 50.6 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

ClientSampleId :

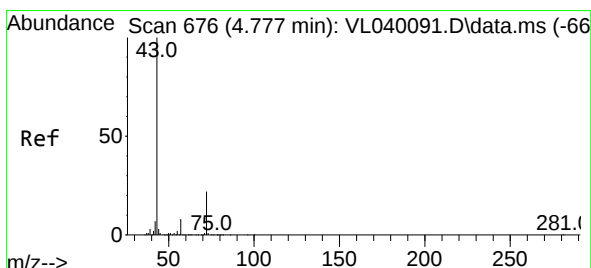
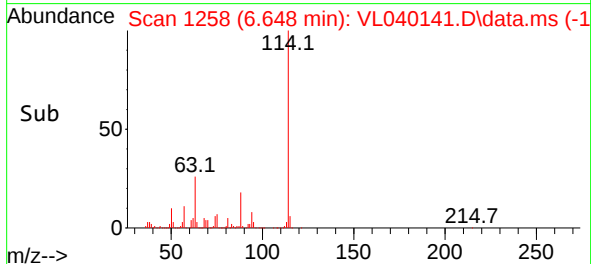
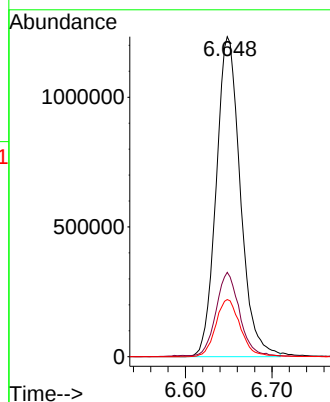
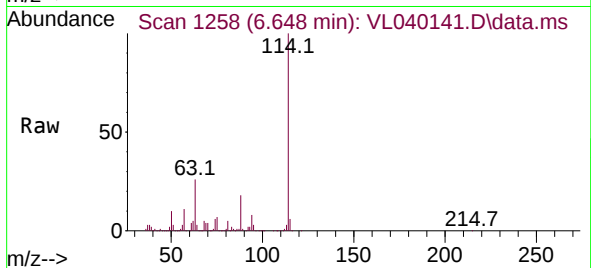
Tgt Ion:114 Resp: 2383398

Ion Ratio Lower Upper

114 100

63 26.3 21.8 32.8

88 18.4 14.8 22.2



#34

2-Butanone

Concen: 10.089 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.007 min

Lab File: VL040141.D

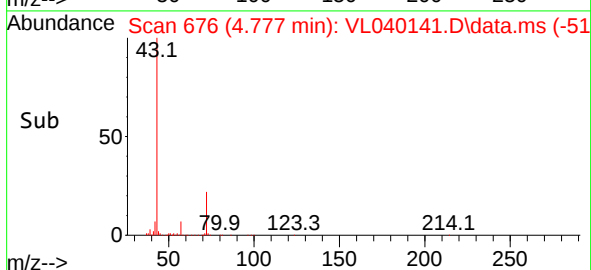
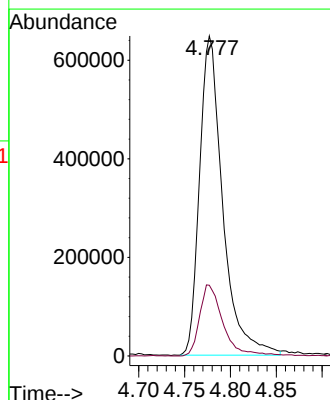
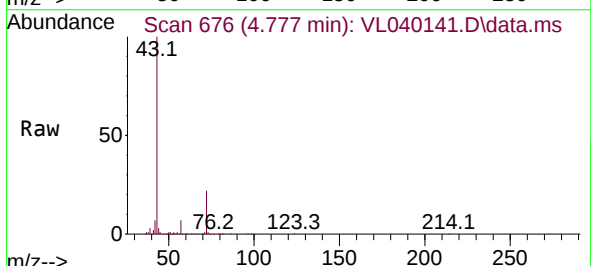
Acq: 6 Feb 2023 11:06

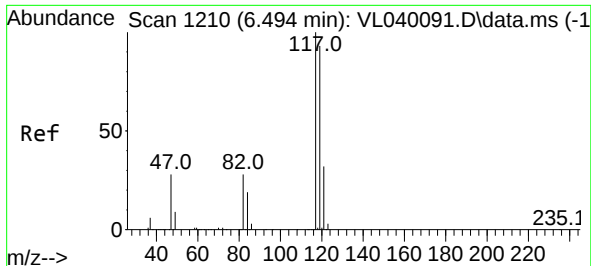
Tgt Ion: 43 Resp: 1137399

Ion Ratio Lower Upper

43 100

72 22.8 18.4 27.6

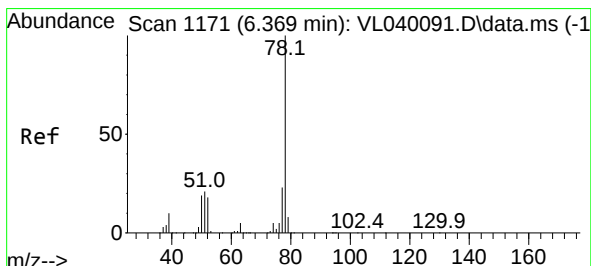
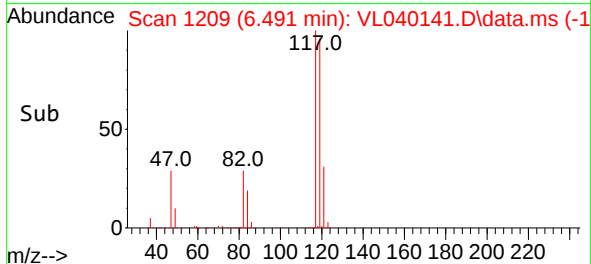
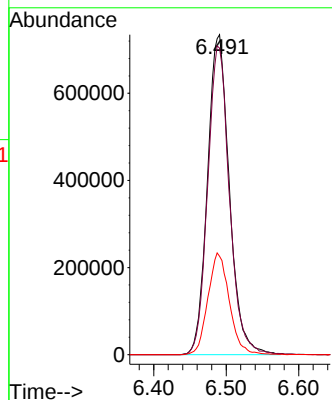
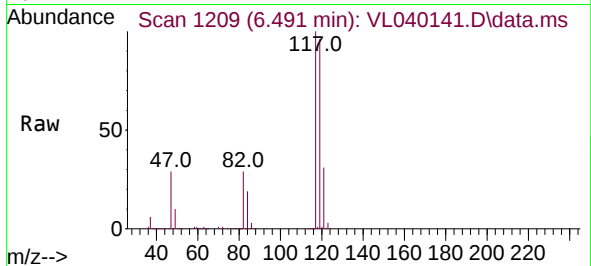




#35
Carbon Tetrachloride
Concen: 11.447 ppbv
RT: 6.491 min Scan# 1170
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

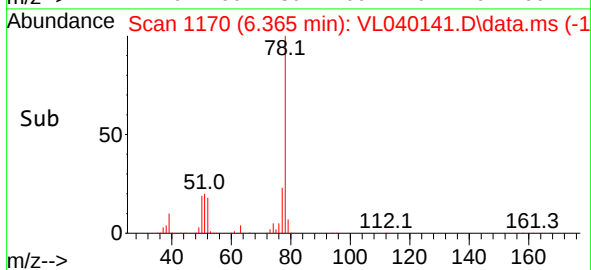
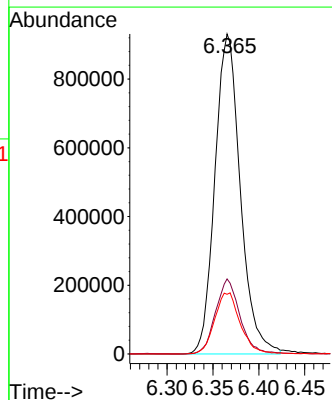
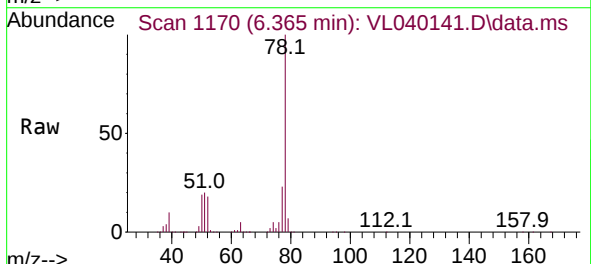
Instrument :
MSVOA_L
ClientSampleId :

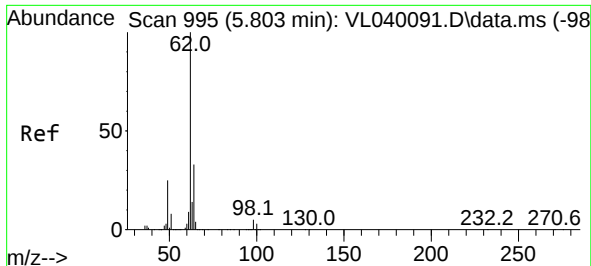
Tgt Ion:117 Resp: 1542575
Ion Ratio Lower Upper
117 100
119 95.8 74.5 111.7
121 30.8 25.4 38.0



#36
Benzene
Concen: 10.179 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 78 Resp: 1795350
Ion Ratio Lower Upper
78 100
77 23.4 18.1 27.1
50 18.6 15.6 23.4

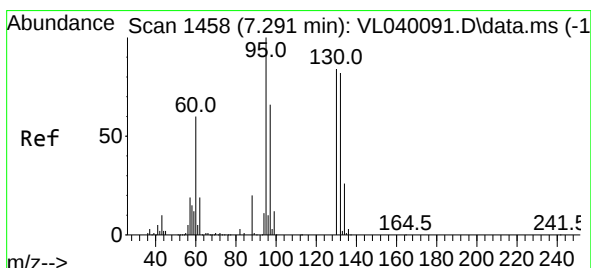
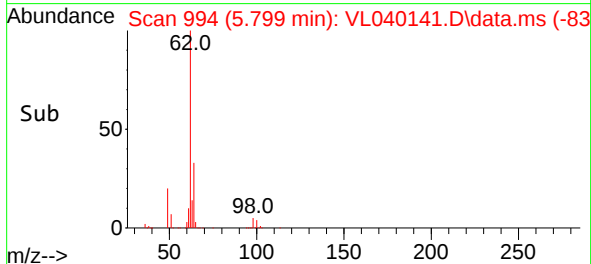
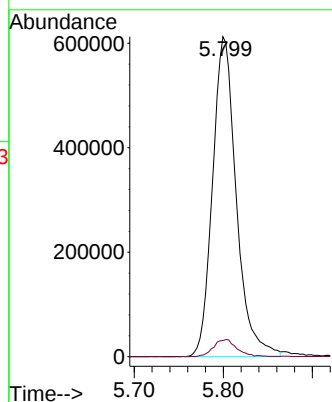
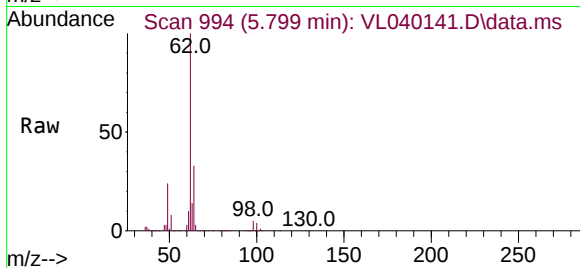




#37
1,2-Dichloroethane
Concen: 10.018 ppbv
RT: 5.799 min Scan# 994
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

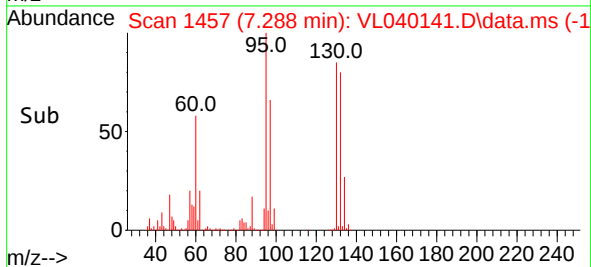
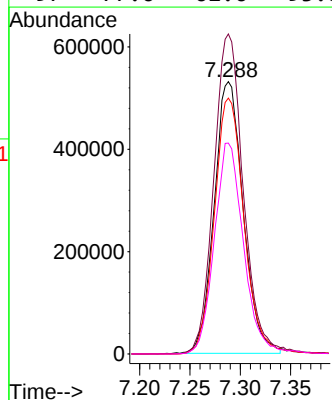
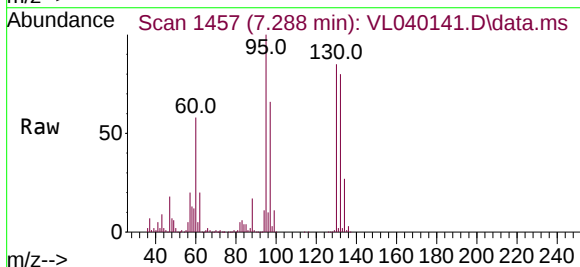
Instrument :
MSVOA_L
ClientSampleId :

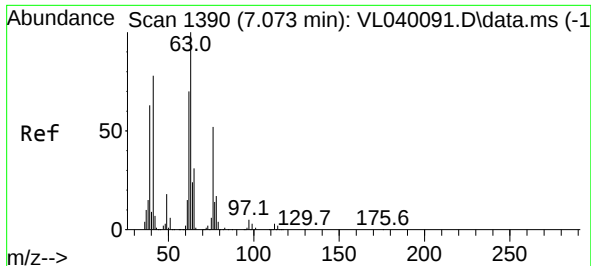
Tgt Ion: 62 Resp: 1135720
Ion Ratio Lower Upper
62 100
98 5.5 4.4 6.6



#38
Trichloroethene
Concen: 10.635 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion:130 Resp: 1064612
Ion Ratio Lower Upper
130 100
95 117.7 95.0 142.6
132 94.2 77.9 116.9
97 77.6 62.6 93.8





#39

1,2-Dichloropropane

Concen: 10.012 ppbv

RT: 7.070 min Scan# 1389

Delta R.T. 0.007 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

ClientSampleId :

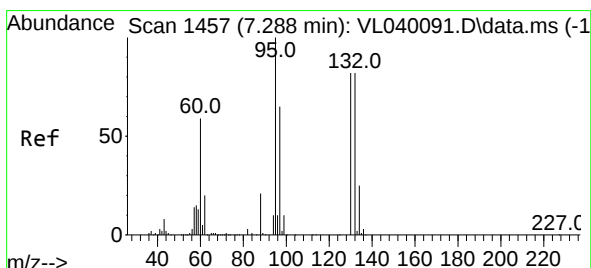
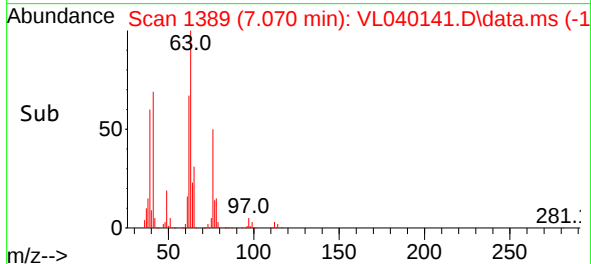
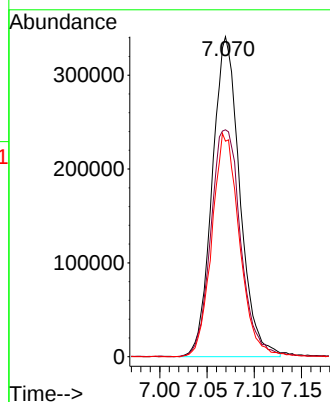
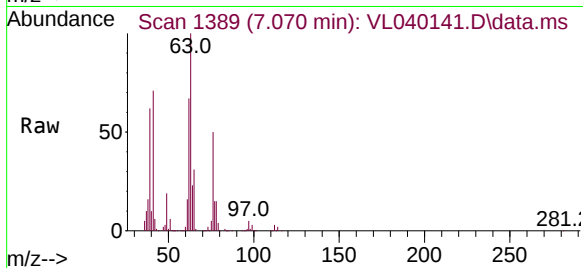
Tgt Ion: 63 Resp: 690724

Ion Ratio Lower Upper

63 100

41 70.8 62.2 93.4

62 67.3 55.8 83.8



#40

1,4-Dioxane

Concen: 8.930 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.007 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Tgt Ion: 88 Resp: 244491

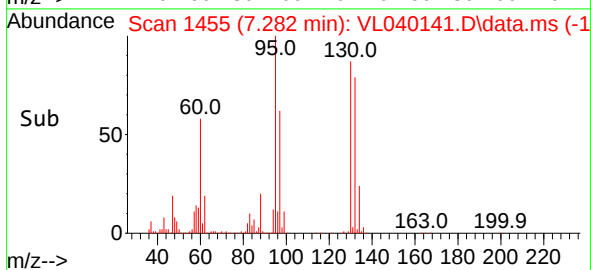
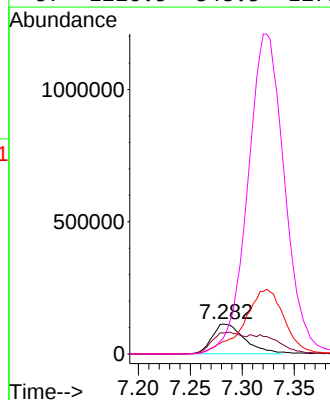
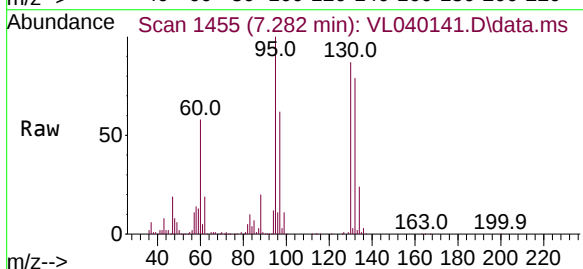
Ion Ratio Lower Upper

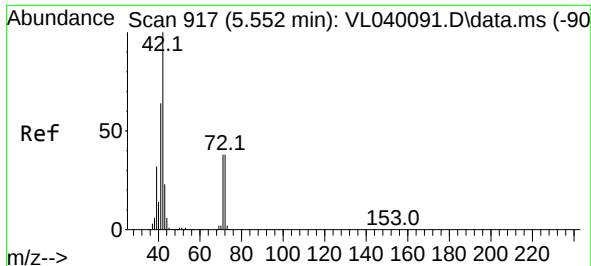
88 100

58 132.5 97.5 146.3

43 275.5 195.0 292.4

57 1226.5 848.5 1272.7

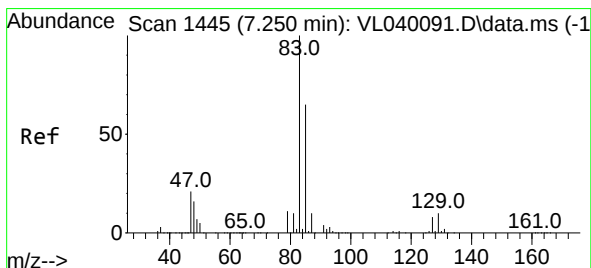
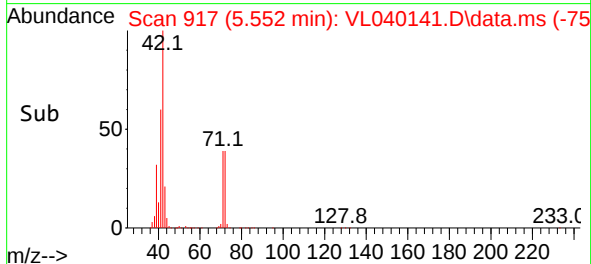
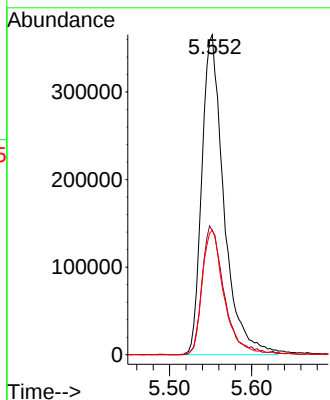
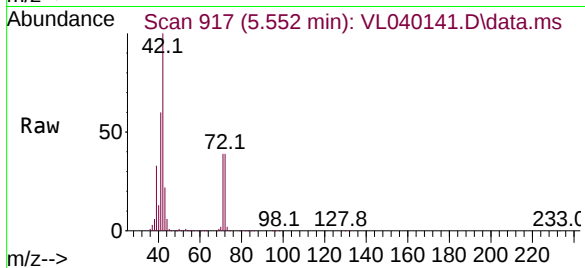




#41
Tetrahydrofuran
Concen: 10.486 ppbv
RT: 5.552 min Scan# 917
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

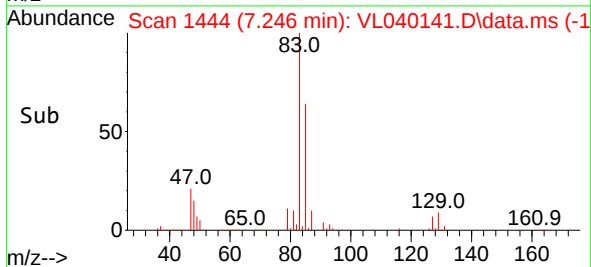
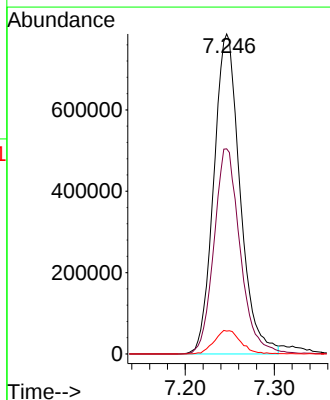
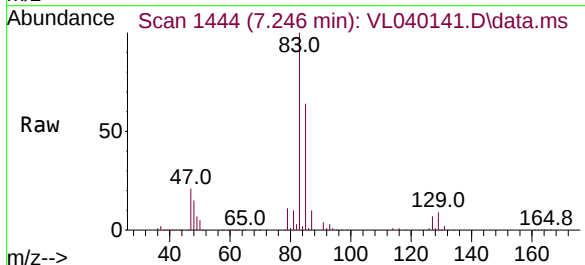
Instrument :
MSVOA_L
ClientSampleId :

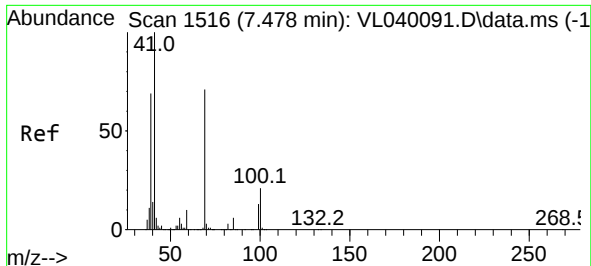
Tgt Ion: 42 Resp: 682328
Ion Ratio Lower Upper
42 100
72 40.8 31.9 47.9
71 39.4 31.4 47.2



#42
Bromodichloromethane
Concen: 10.526 ppbv
RT: 7.246 min Scan# 1444
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 83 Resp: 1611337
Ion Ratio Lower Upper
83 100
85 64.1 51.7 77.5
127 7.2 6.2 9.2

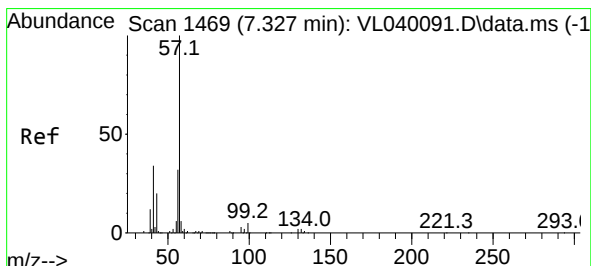
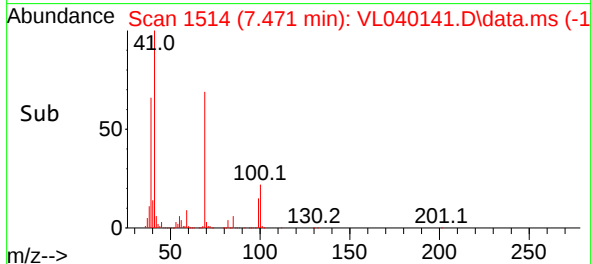
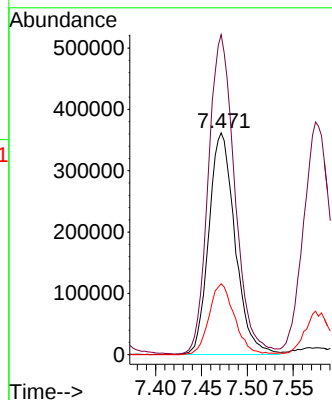
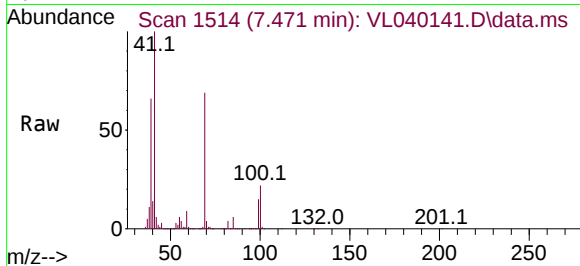




#43
Methyl Methacrylate
Concen: 11.067 ppbv
RT: 7.471 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

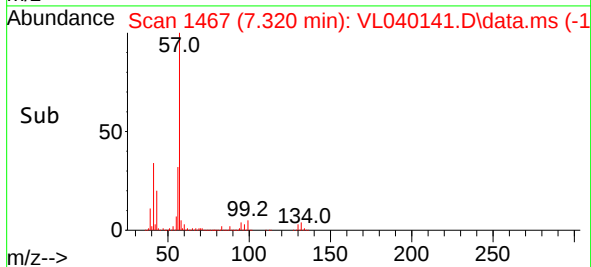
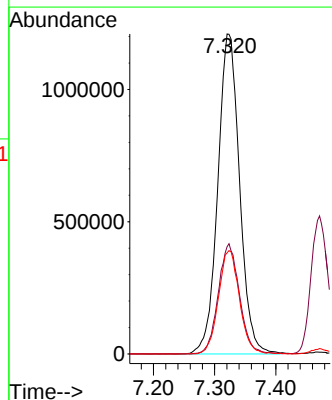
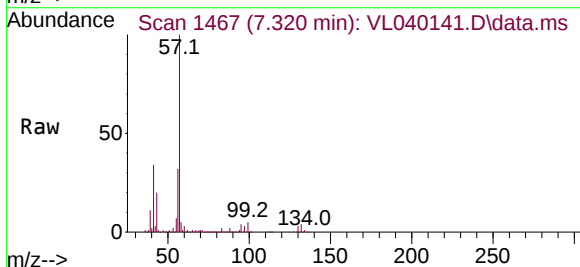
Instrument :
MSVOA_L
ClientSampleId :

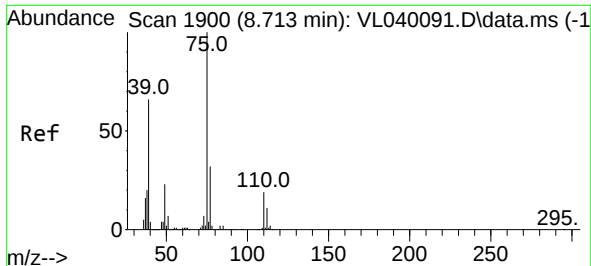
Tgt Ion: 69 Resp: 716280
Ion Ratio Lower Upper
69 100
41 145.9 118.2 177.2
100 31.4 24.2 36.4



#44
2,2,4-Trimethylpentane
Concen: 10.210 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 57 Resp: 2994905
Ion Ratio Lower Upper
57 100
41 33.6 27.1 40.7
56 31.3 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 11.954 ppbv

RT: 8.709 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

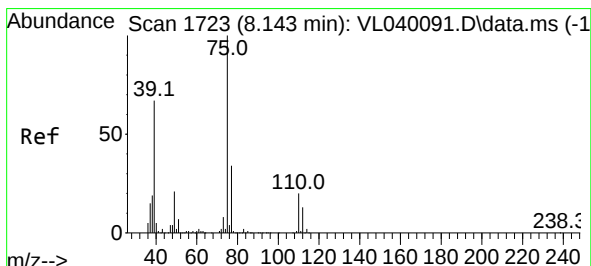
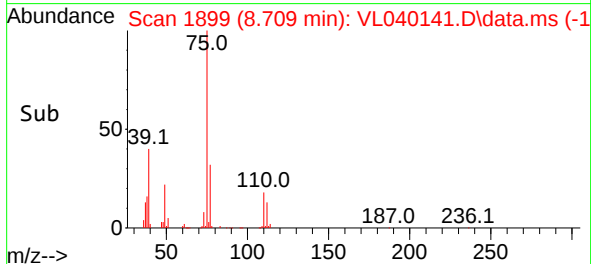
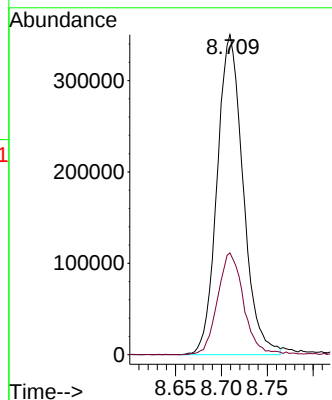
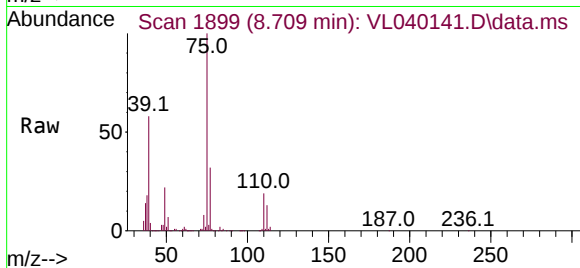
ClientSampleId :

Tgt Ion: 75 Resp: 689926

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 11.922 ppbv

RT: 8.140 min Scan# 1722

Delta R.T. 0.010 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

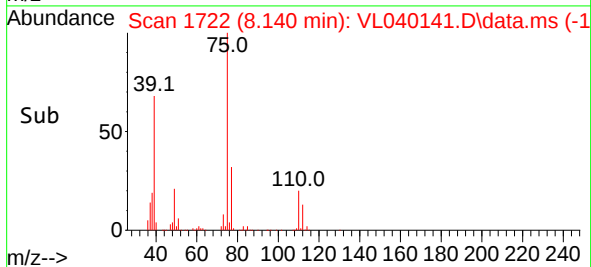
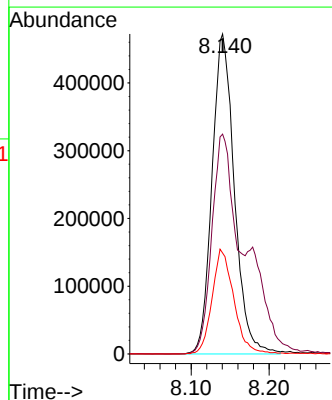
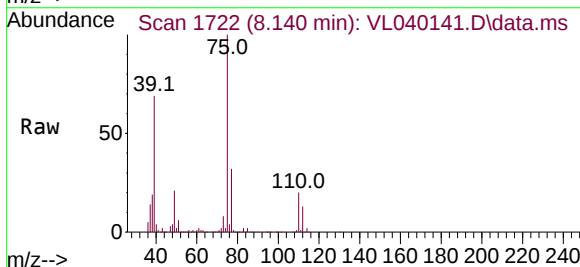
Tgt Ion: 75 Resp: 940274

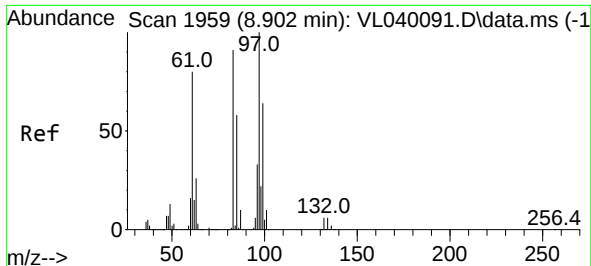
Ion Ratio Lower Upper

75 100

39 68.6 53.6 80.4

77 31.5 26.9 40.3

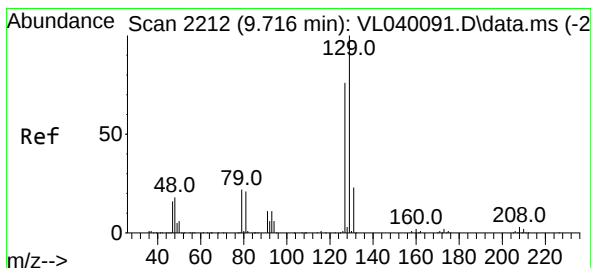
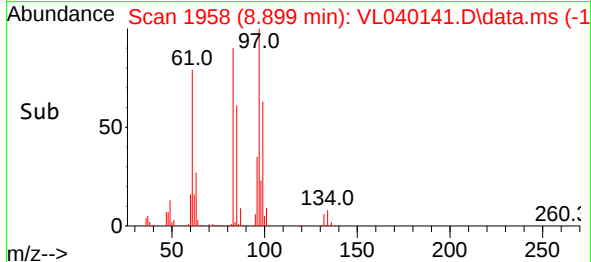
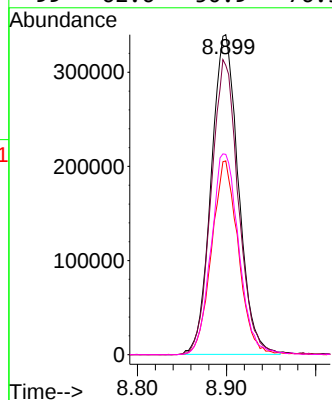
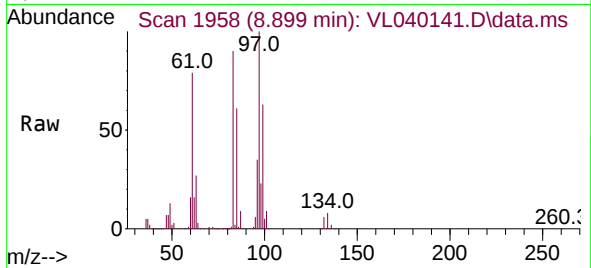




#47
1,1,2-Trichloroethane
Concen: 9.913 ppbv
RT: 8.899 min Scan# 1958
Delta R.T. 0.013 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

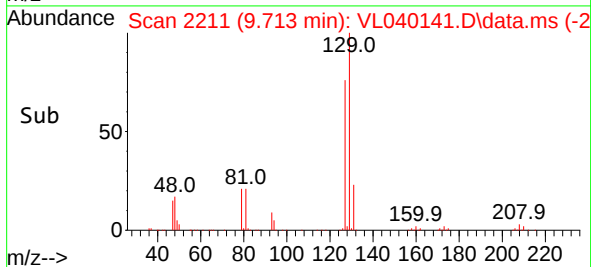
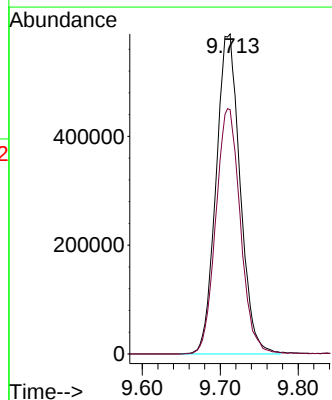
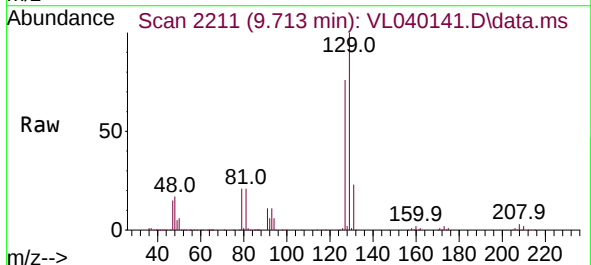
Instrument :
MSVOA_L
ClientSampleId :

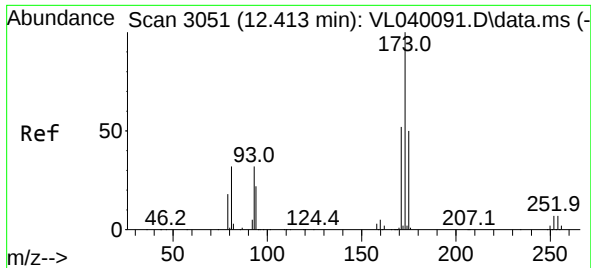
Tgt Ion: 97 Resp: 720023
Ion Ratio Lower Upper
97 100
83 90.4 72.9 109.3
85 60.5 46.0 69.0
99 62.6 50.9 76.3



#48
Dibromochloromethane
Concen: 10.813 ppbv
RT: 9.713 min Scan# 2211
Delta R.T. 0.013 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 129 Resp: 1262352
Ion Ratio Lower Upper
129 100
127 78.3 39.3 117.9

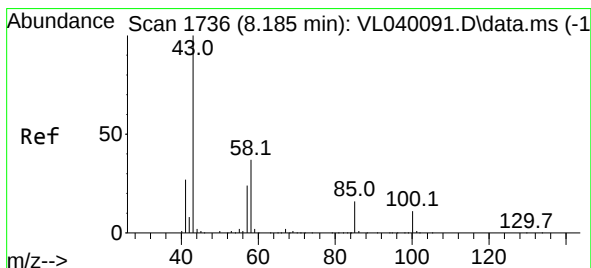
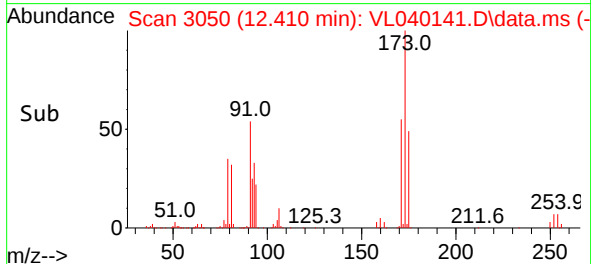
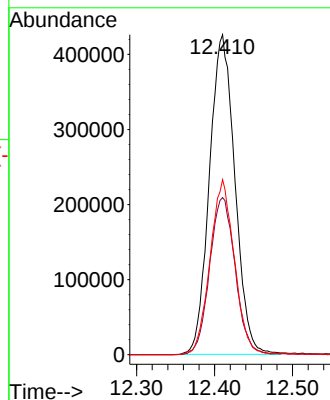
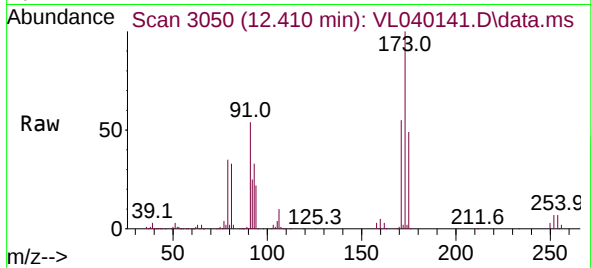




#49
Bromoform
Concen: 10.740 ppbv
RT: 12.410 min Scan# 3051
Delta R.T. 0.013 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

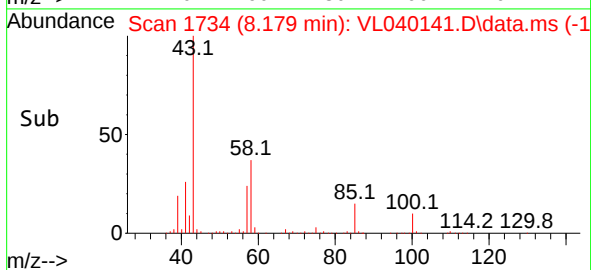
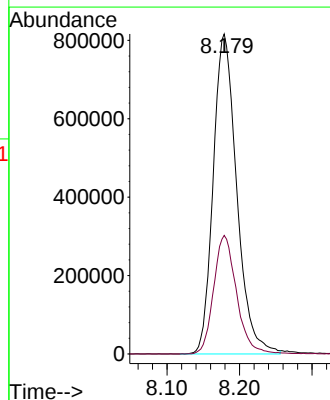
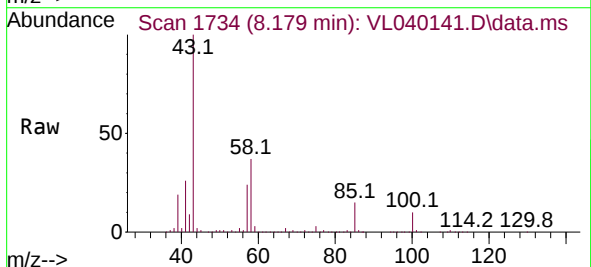
Instrument :
MSVOA_L
ClientSampleId :

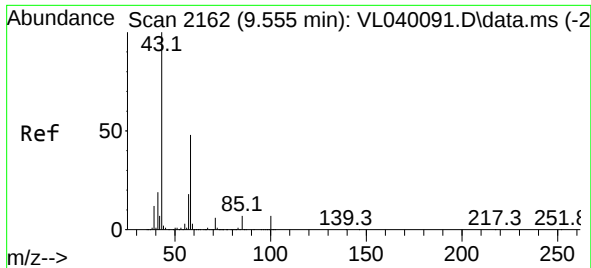
Tgt Ion:173 Resp: 965877
Ion Ratio Lower Upper
173 100
175 49.6 39.7 59.5
171 52.6 42.2 63.2



#50
4-Methyl-2-Pentanone
Concen: 10.378 ppbv
RT: 8.179 min Scan# 1734
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 43 Resp: 1840252
Ion Ratio Lower Upper
43 100
58 36.2 28.8 43.2

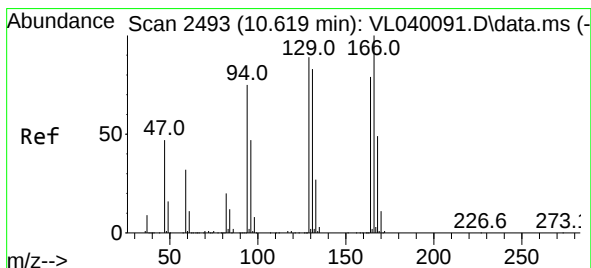
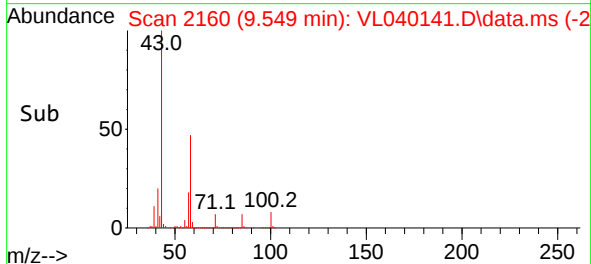
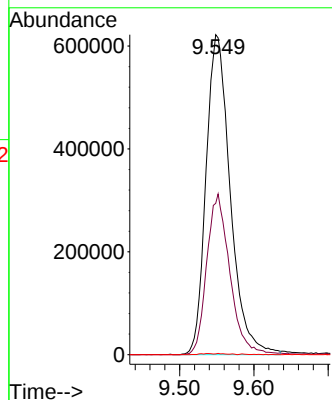
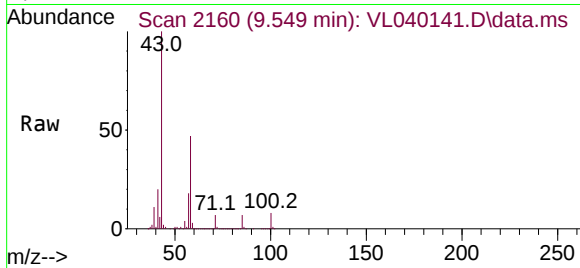




#51
2-Hexanone
Concen: 10.500 ppbv
RT: 9.549 min Scan# 2162
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

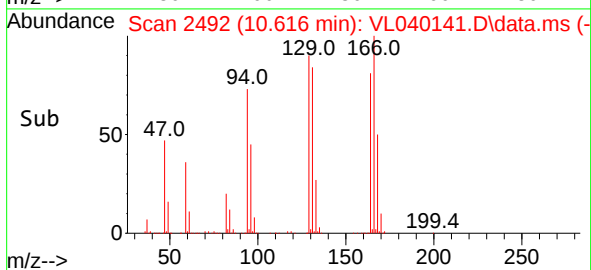
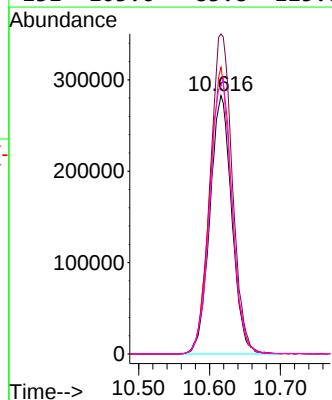
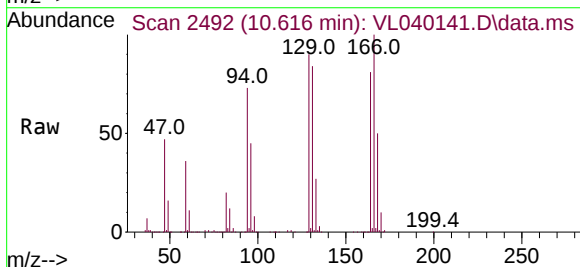
Instrument :
MSVOA_L
ClientSampleId :

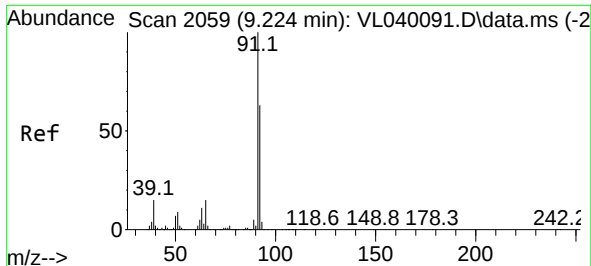
Tgt Ion: 43 Resp: 1410668
Ion Ratio Lower Upper
43 100
58 48.1 37.5 56.3
98 0.5 0.4 0.6



#52
Tetrachloroethene
Concen: 10.477 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 164 Resp: 604500
Ion Ratio Lower Upper
164 100
166 123.8 101.2 151.8
129 110.8 90.2 135.2
131 103.6 83.8 125.8

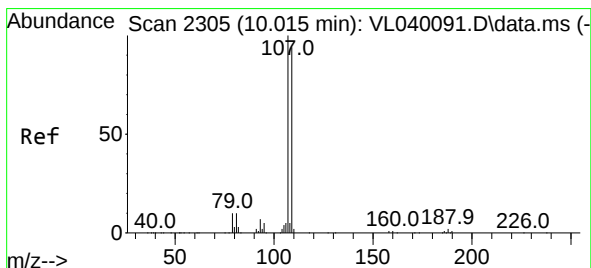
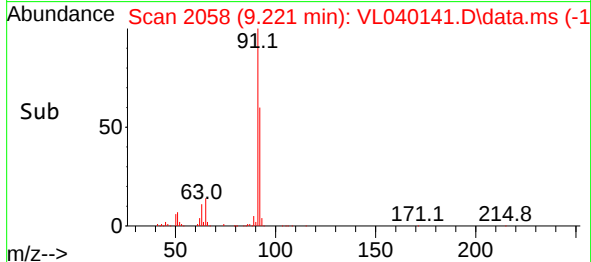
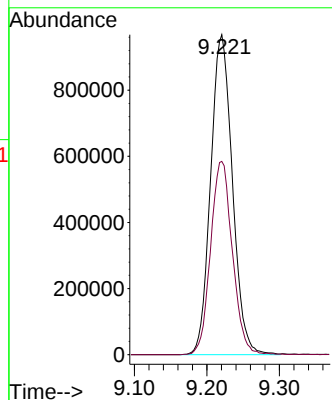
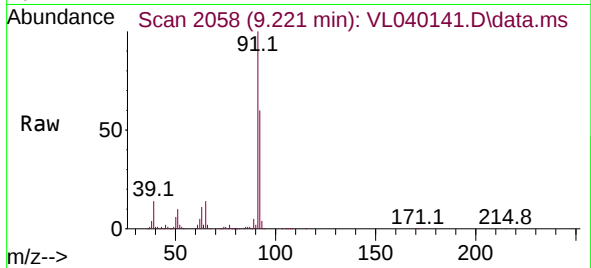




#53
Toluene
Concen: 10.739 ppbv
RT: 9.221 min Scan# 2059
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

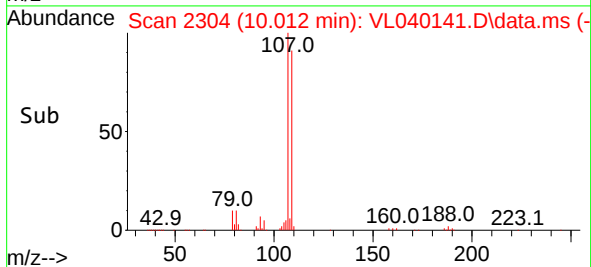
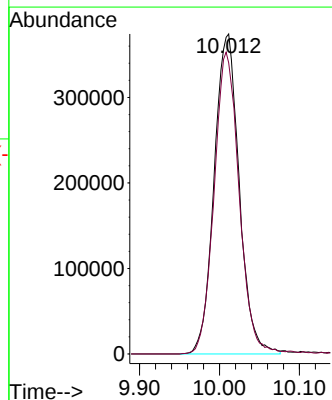
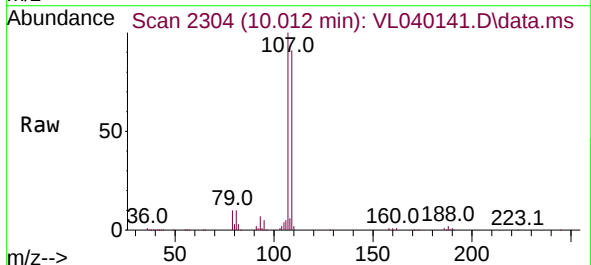
Instrument :
MSVOA_L
ClientSampleId :

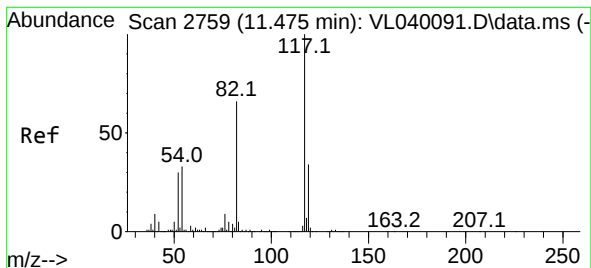
Tgt Ion: 91 Resp: 2020104
Ion Ratio Lower Upper
91 100
92 60.7 48.3 72.5



#54
1,2-Dibromoethane
Concen: 10.690 ppbv
RT: 10.012 min Scan# 2304
Delta R.T. 0.013 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 107 Resp: 812946
Ion Ratio Lower Upper
107 100
109 91.0 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2759

Delta R.T. 0.010 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

ClientSampleId :

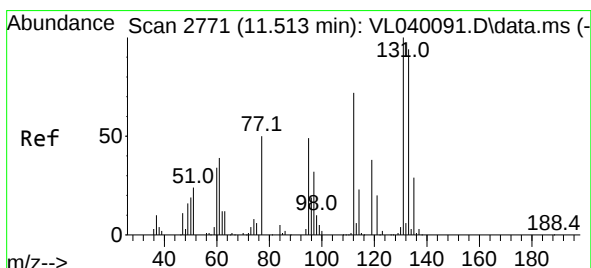
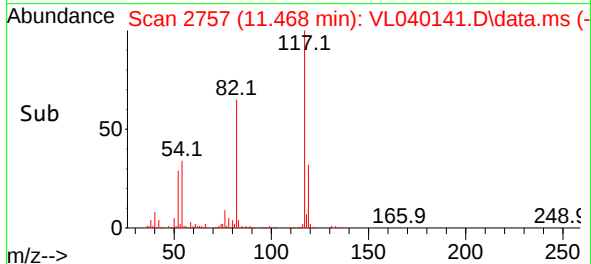
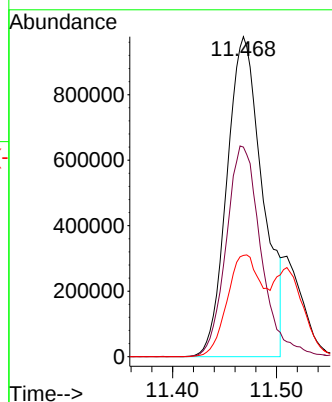
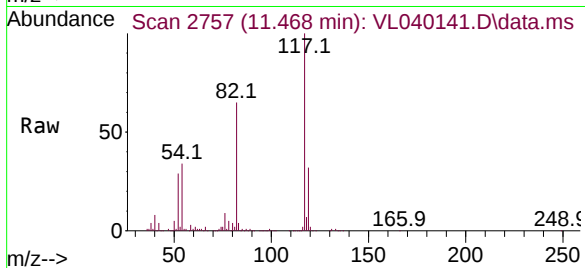
Tgt Ion:117 Resp: 2322161

Ion Ratio Lower Upper

117 100

82 65.2 54.4 81.6

119 30.5 26.8 40.2



#56

1,1,1,2-Tetrachloroethane

Concen: 9.954 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.010 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

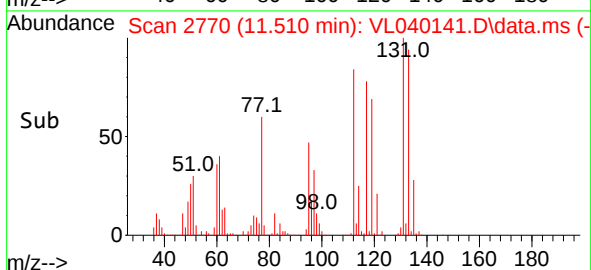
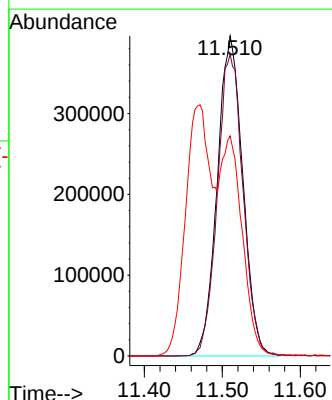
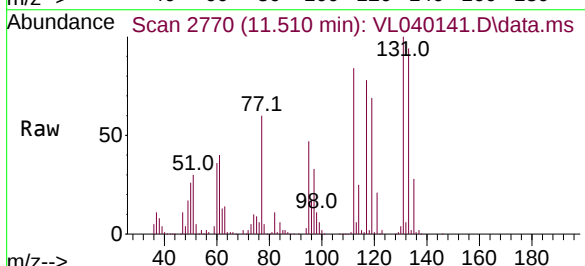
Tgt Ion:131 Resp: 899656

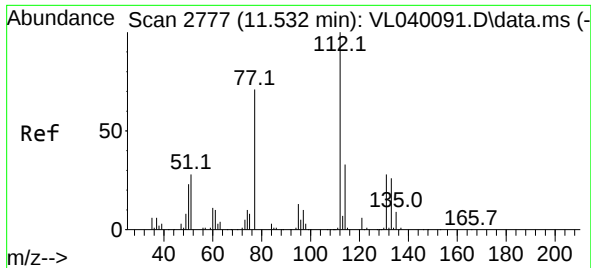
Ion Ratio Lower Upper

131 100

133 95.0 75.6 113.4

119 62.9 47.2 70.8

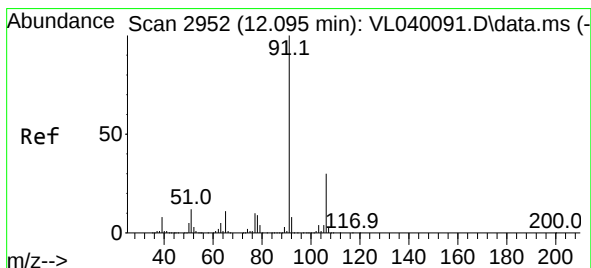
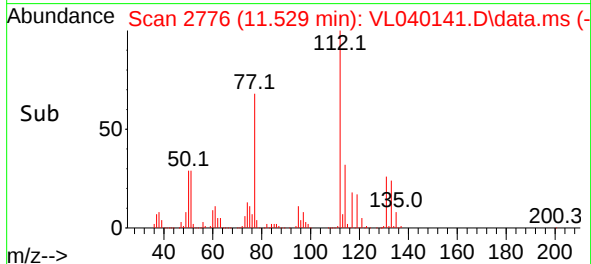
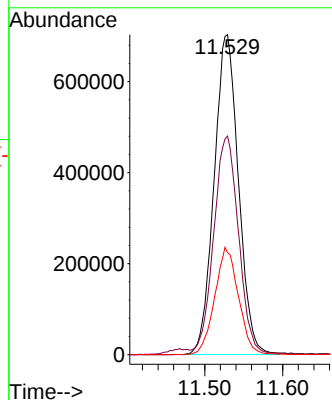
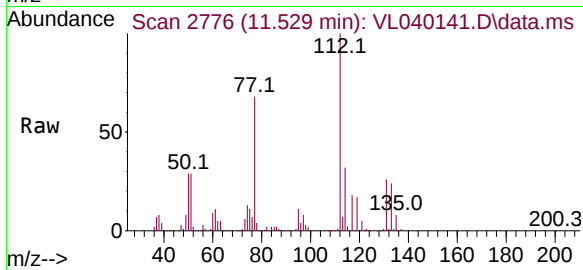




#57
Chlorobenzene
Concen: 9.651 ppbv
RT: 11.529 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

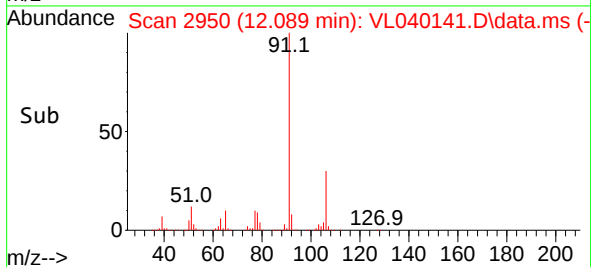
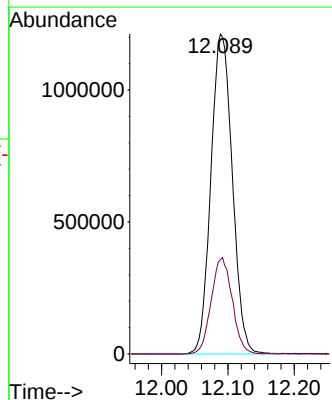
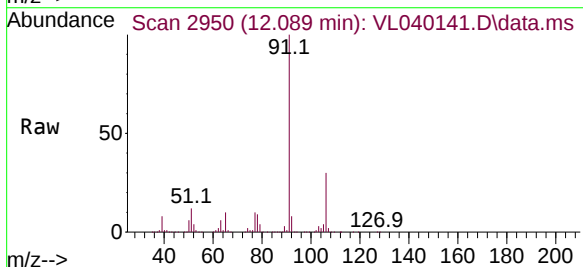
Instrument :
MSVOA_L
ClientSampleId :

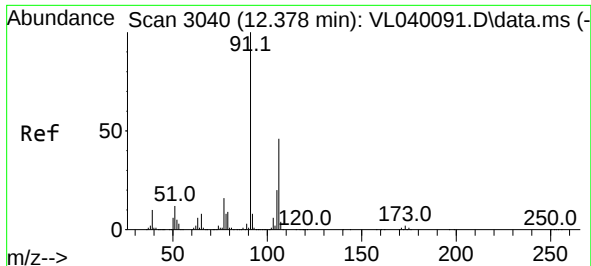
Tgt Ion:112 Resp: 1527684
Ion Ratio Lower Upper
112 100
77 67.9 57.3 85.9
114 31.8 29.6 36.2



#58
Ethyl Benzene
Concen: 10.500 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 91 Resp: 2720883
Ion Ratio Lower Upper
91 100
106 29.5 23.7 35.5





#59

m/p-Xylene

Concen: 10.336 ppbv

RT: 12.372 min Scan# 3040

Delta R.T. 0.007 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

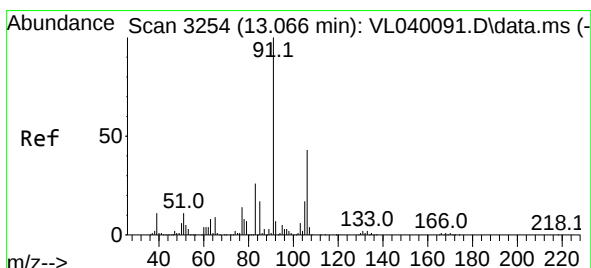
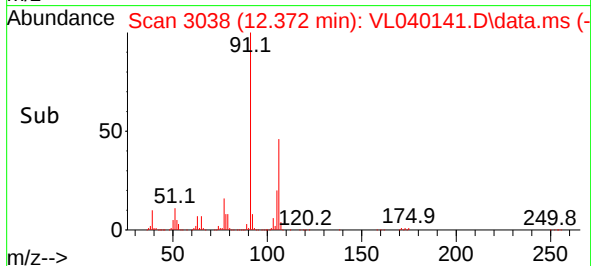
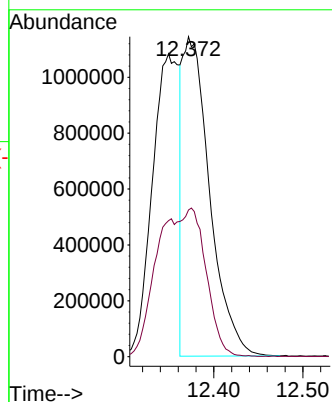
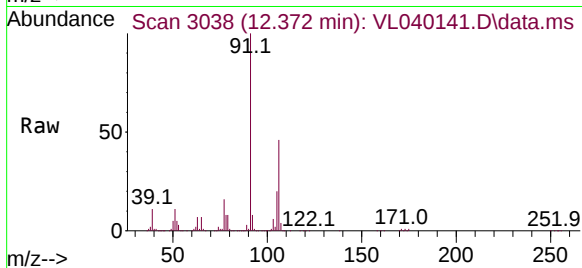
ClientSampleId :

Tgt Ion: 91 Resp: 2408411

Ion Ratio Lower Upper

91 100

106 83.7 34.2 51.4#



#60

o-Xylene

Concen: 10.119 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.013 min

Lab File: VL040141.D

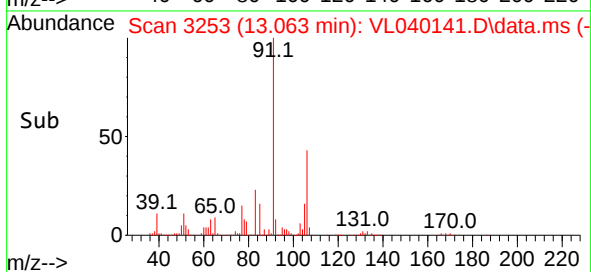
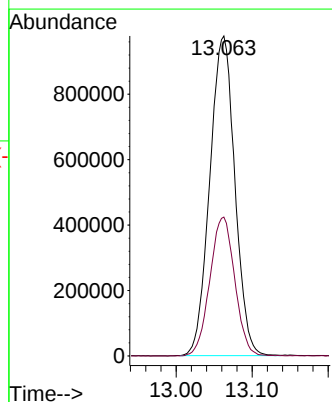
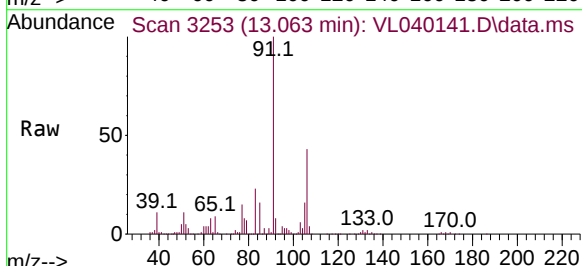
Acq: 6 Feb 2023 11:06

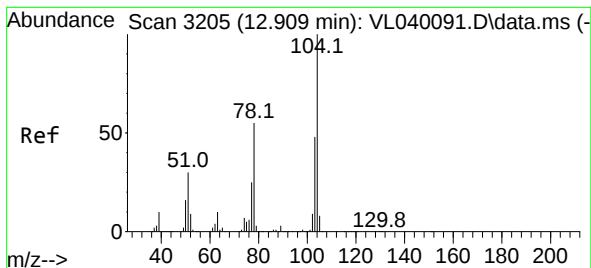
Tgt Ion: 91 Resp: 2237931

Ion Ratio Lower Upper

91 100

106 43.4 21.6 64.8





#61

Styrene

Concen: 10.978 ppbv

RT: 12.899 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

ClientSampleId :

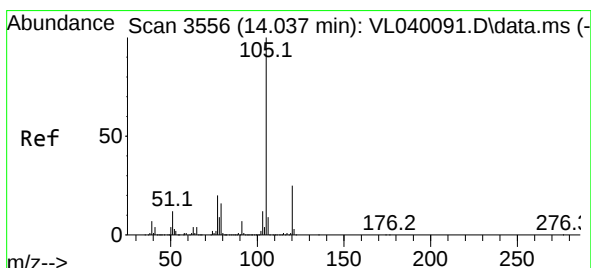
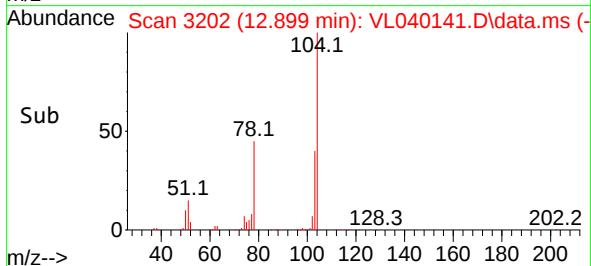
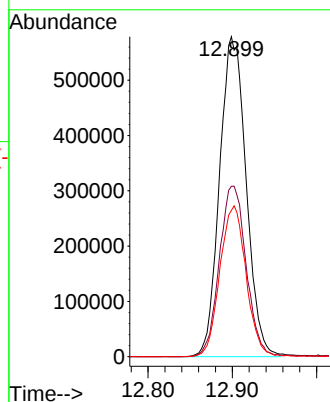
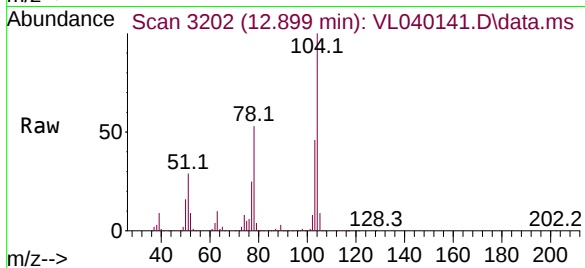
Tgt Ion:104 Resp: 1265196

Ion Ratio Lower Upper

104 100

78 54.2 44.0 66.0

103 46.7 37.8 56.6



#62

Isopropylbenzene

Concen: 9.848 ppbv

RT: 14.034 min Scan# 3555

Delta R.T. 0.010 min

Lab File: VL040141.D

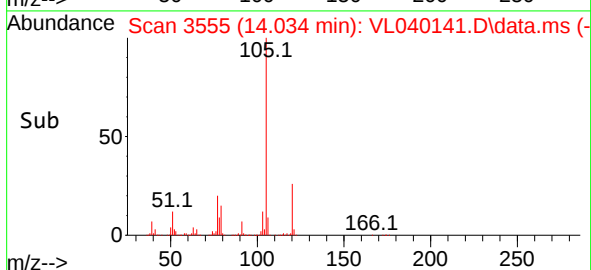
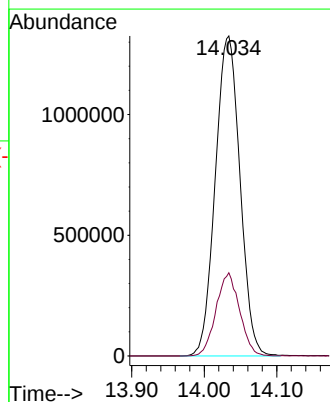
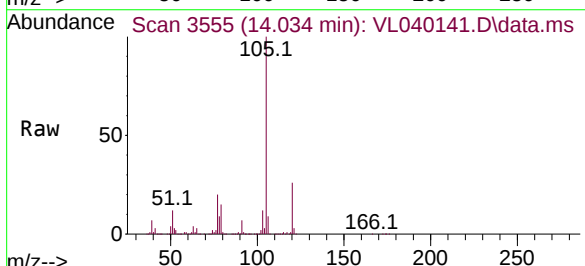
Acq: 6 Feb 2023 11:06

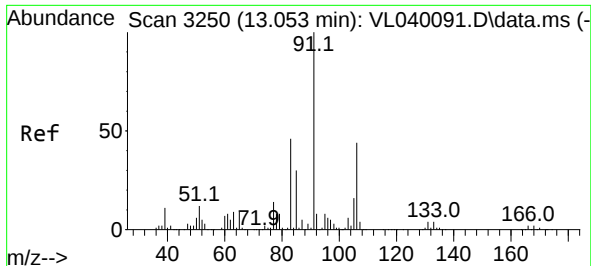
Tgt Ion:105 Resp: 3132688

Ion Ratio Lower Upper

105 100

120 24.8 20.2 30.2

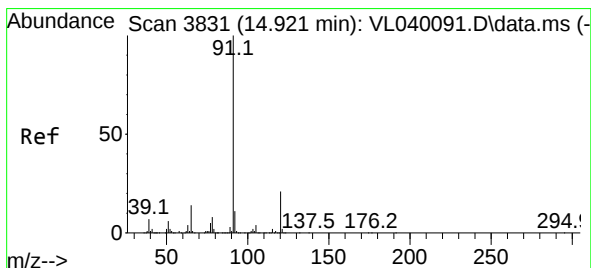
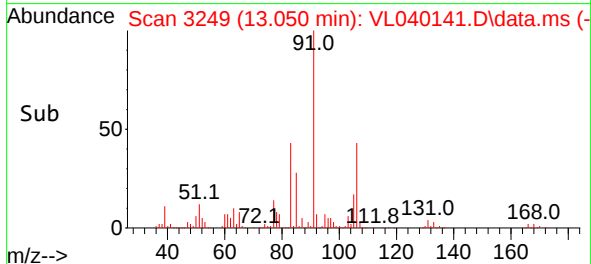
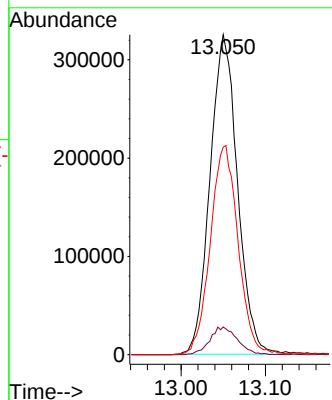
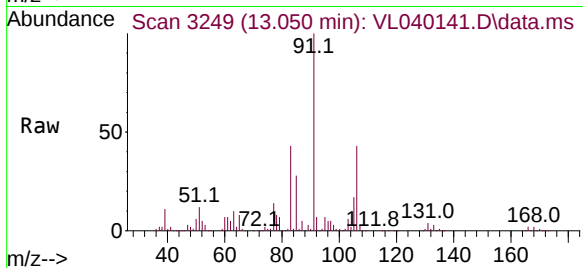




#63
1,1,2,2-Tetrachloroethane
Concen: 9.160 ppbv
RT: 13.050 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

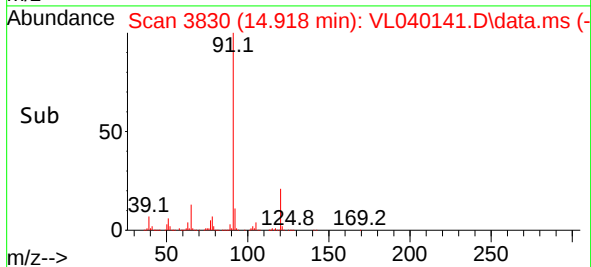
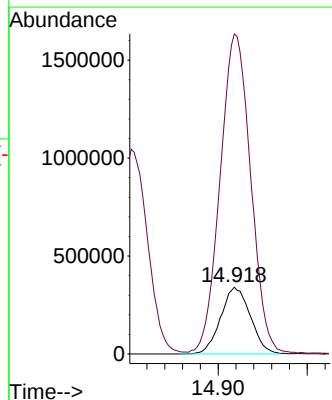
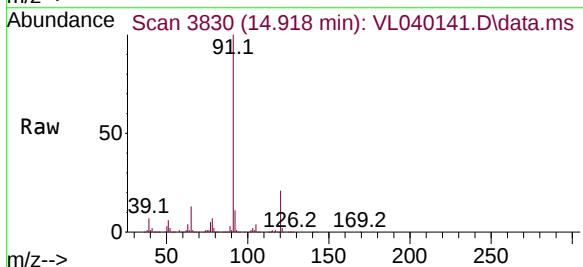
Instrument :
MSVOA_L
ClientSampleId :

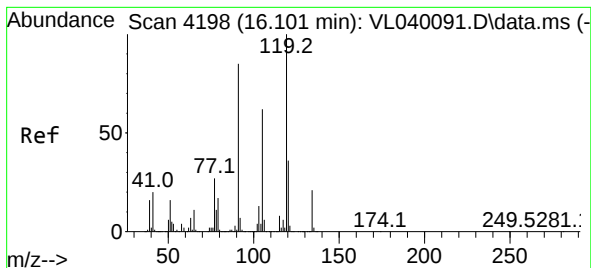
Tgt Ion: 83 Resp: 735558
Ion Ratio Lower Upper
83 100
131 8.7 4.3 13.1
85 66.9 32.5 97.5



#64
n-propylbenzene
Concen: 9.966 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion:120 Resp: 788123
Ion Ratio Lower Upper
120 100
91 495.7 397.0 595.4

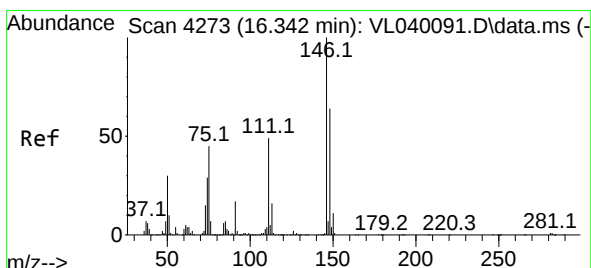
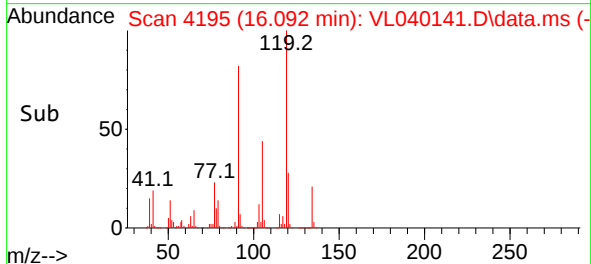
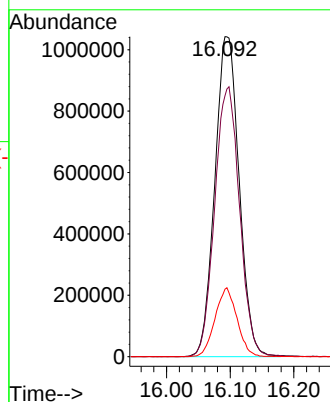
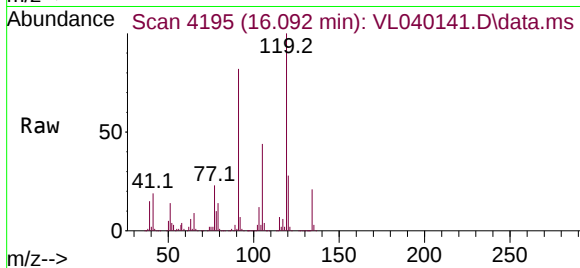




#65
tert-Butylbenzene
Concen: 10.161 ppbv
RT: 16.092 min Scan# 4198
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

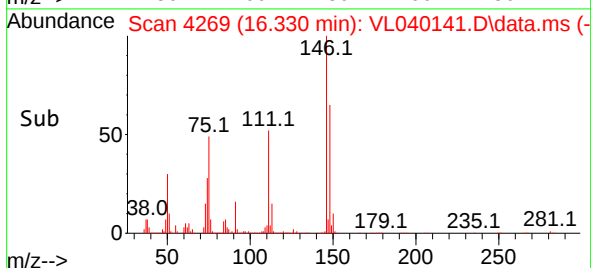
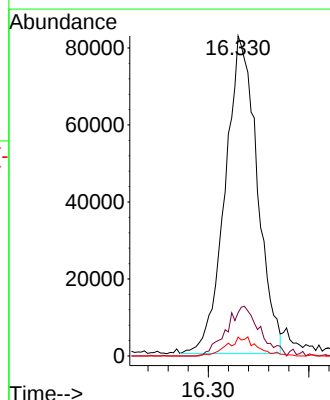
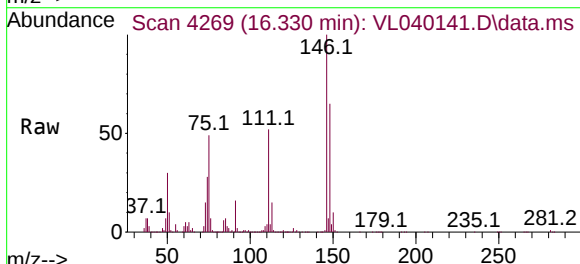
Instrument :
MSVOA_L
ClientSampleId :

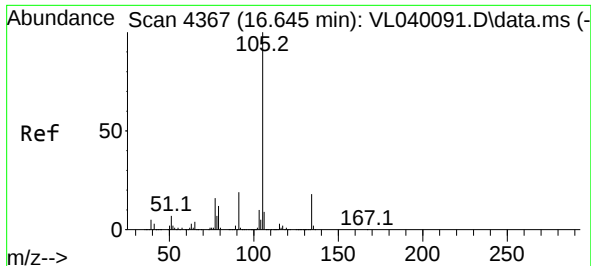
Tgt Ion:119 Resp: 2767403
Ion Ratio Lower Upper
119 100
91 86.4 69.5 104.3
134 19.5 15.8 23.8



#66
Benzyl Chloride
Concen: 9.811 ppbv
RT: 16.330 min Scan# 4269
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion: 91 Resp: 182621
Ion Ratio Lower Upper
91 100
126 16.7 11.5 17.3
128 5.5 0.0 0.0#





#67

sec-Butylbenzene

Concen: 10.221 ppbv

RT: 16.642 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

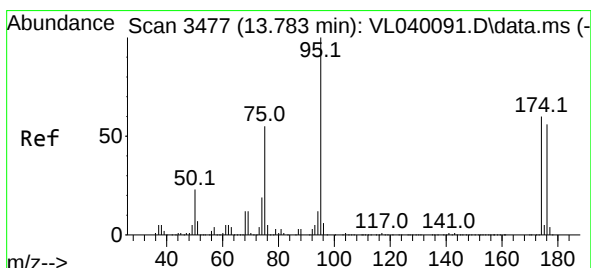
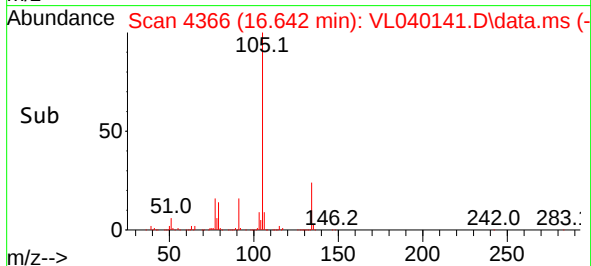
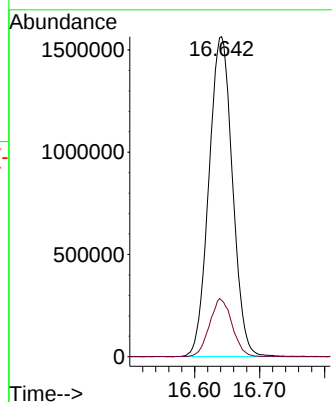
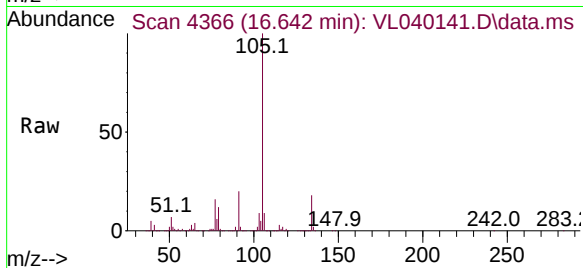
ClientSampleId :

Tgt Ion:105 Resp: 3946330

Ion Ratio Lower Upper

105 100

134 17.4 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.395 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.007 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

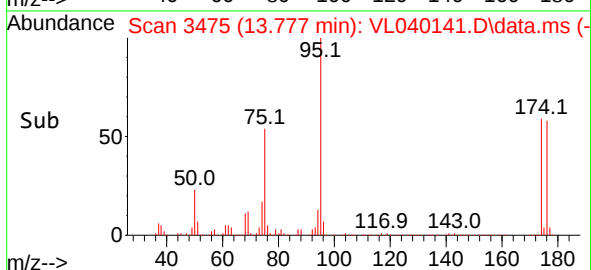
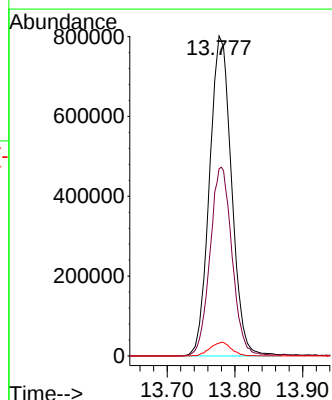
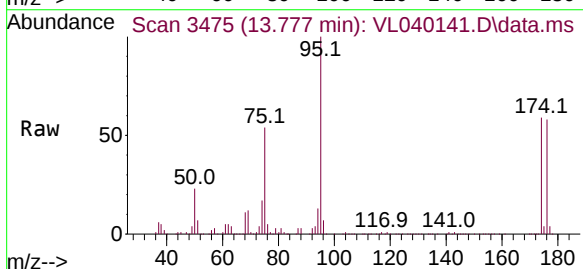
Tgt Ion: 95 Resp: 1813232

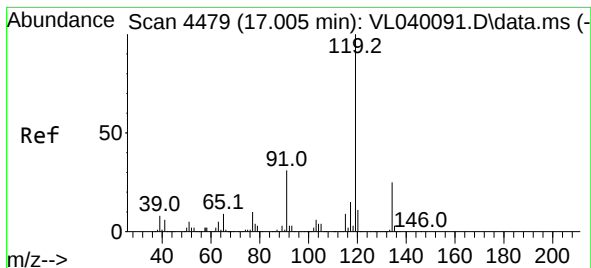
Ion Ratio Lower Upper

95 100

174 59.3 47.7 71.5

175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 10.492 ppbv

RT: 16.998 min Scan# 4479

Delta R.T. 0.010 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

ClientSampleId :

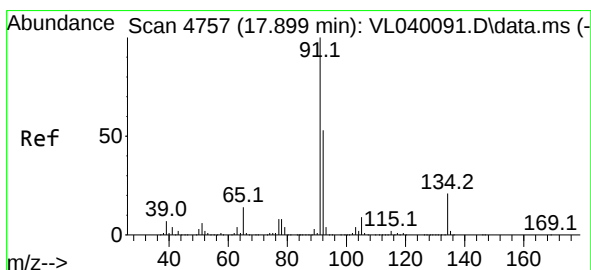
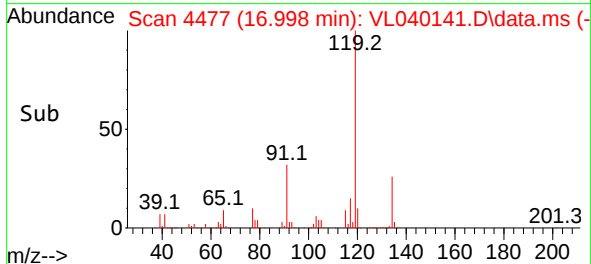
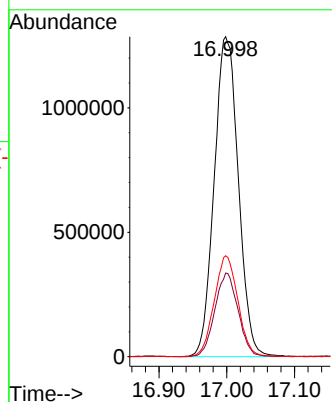
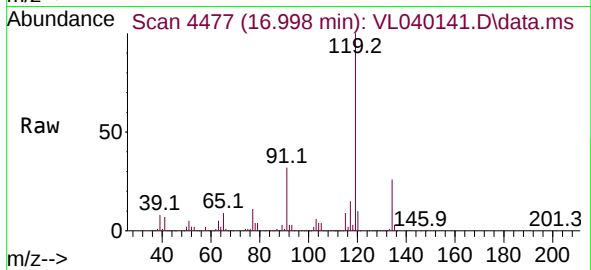
Tgt Ion:119 Resp: 3183297

Ion Ratio Lower Upper

119 100

134 25.2 20.1 30.1

91 31.0 25.0 37.4



#70

n-Butylbenzene

Concen: 10.480 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. 0.007 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

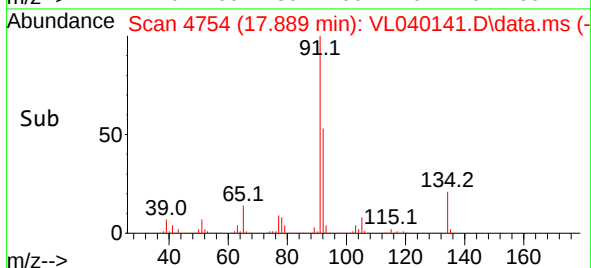
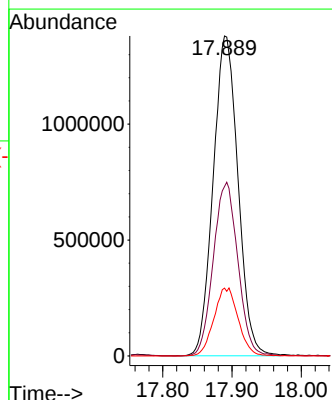
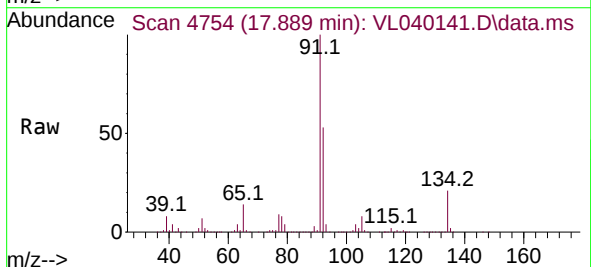
Tgt Ion: 91 Resp: 3429069

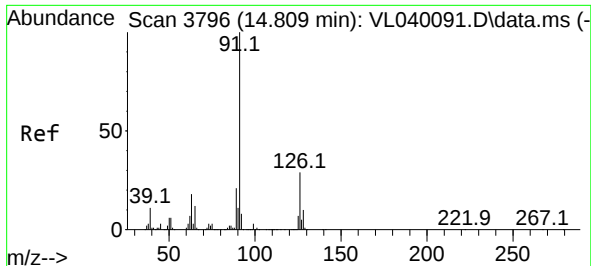
Ion Ratio Lower Upper

91 100

92 53.9 42.8 64.2

134 21.0 16.9 25.3

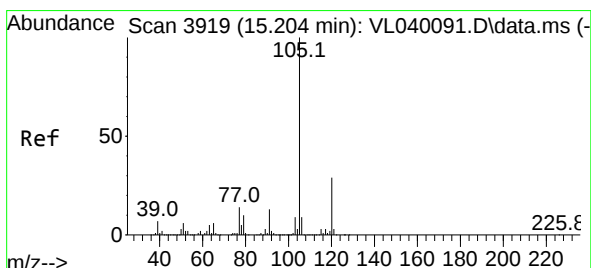
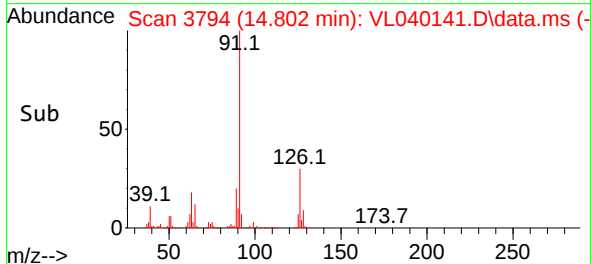
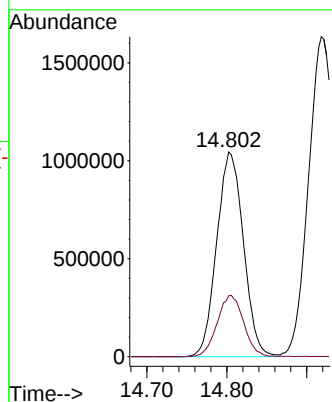
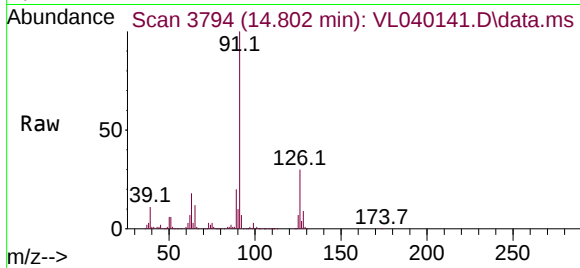




#71
2-Chlorotoluene
Concen: 9.913 ppbv
RT: 14.802 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

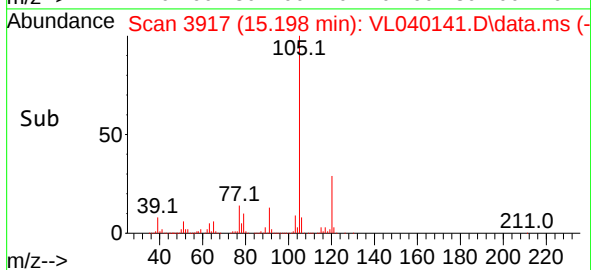
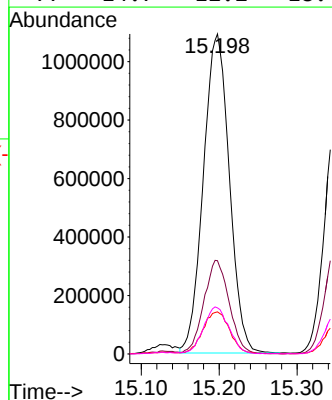
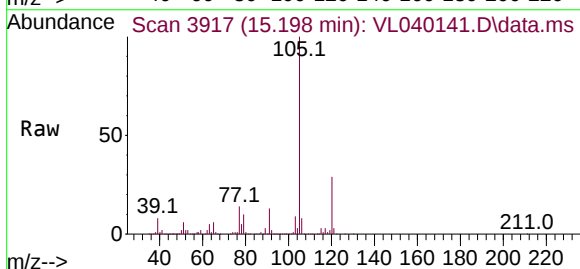
Instrument :
MSVOA_L
ClientSampleId :

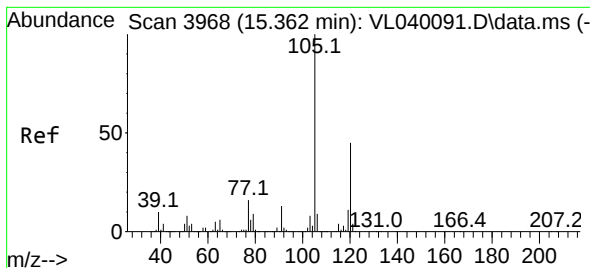
Tgt Ion: 91 Resp: 2425210
Ion Ratio Lower Upper
91 100
126 29.7 11.9 47.5



#72
4-Ethyltoluene
Concen: 10.303 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion:105 Resp: 2528620
Ion Ratio Lower Upper
105 100
120 28.7 23.1 34.7
91 14.1 11.2 16.8
77 14.7 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 10.216 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. 0.007 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

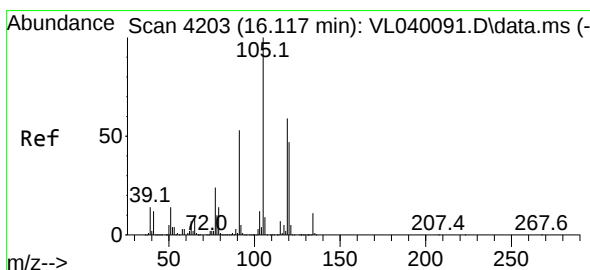
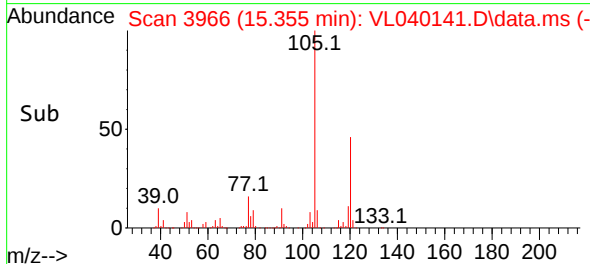
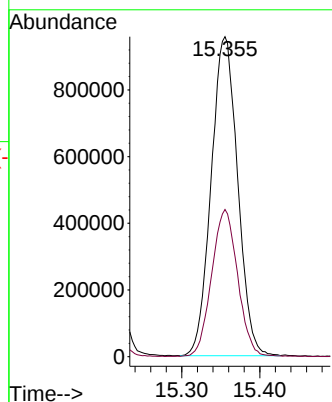
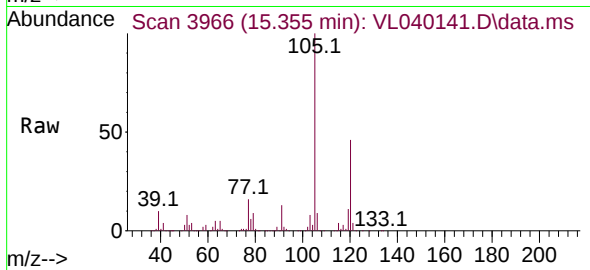
ClientSampleId :

Tgt Ion:105 Resp: 2257543

Ion Ratio Lower Upper

105 100

120 46.0 36.2 54.4



#74

1,2,4-Trimethylbenzene

Concen: 10.149 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.010 min

Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Tgt Ion:105 Resp: 2484217

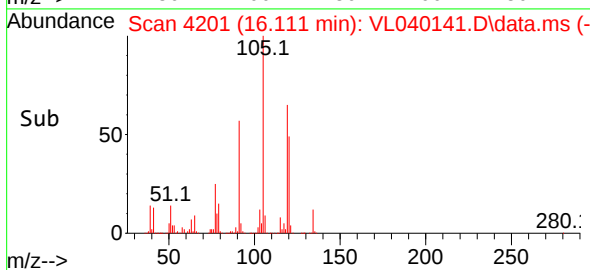
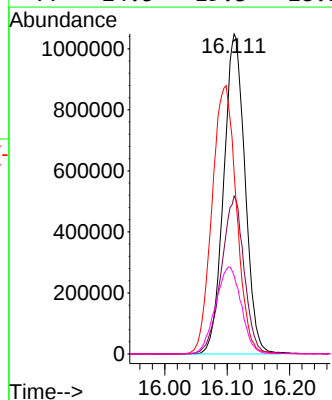
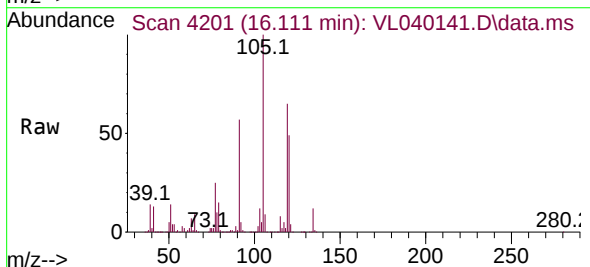
Ion Ratio Lower Upper

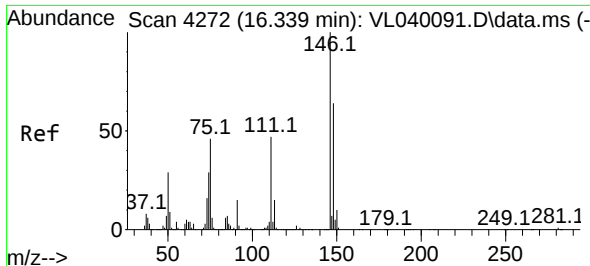
105 100

120 49.3 38.0 57.0

91 56.5 42.1 63.1

77 24.5 19.3 28.9

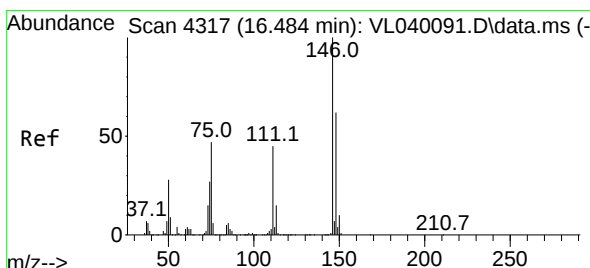
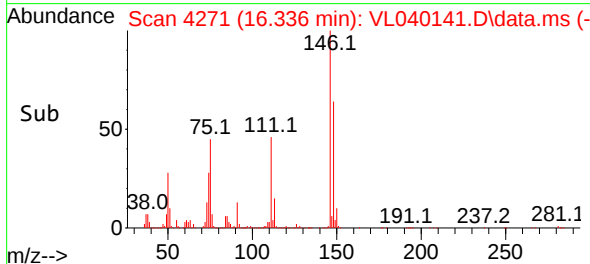
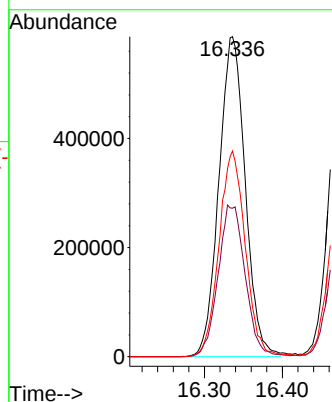
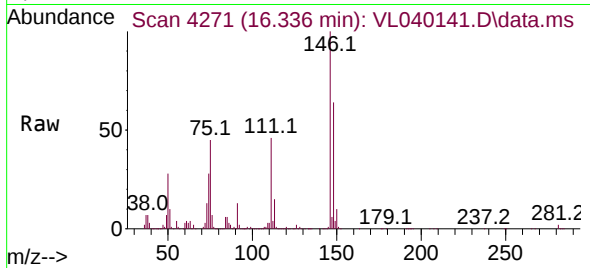




#75
1,3-Dichlorobenzene
Concen: 10.122 ppbv
RT: 16.336 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

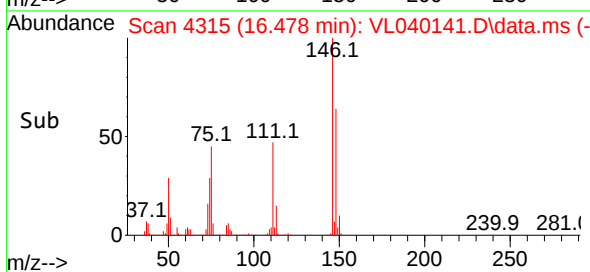
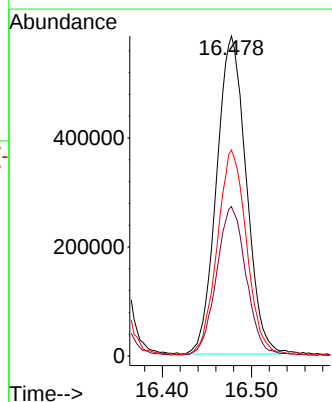
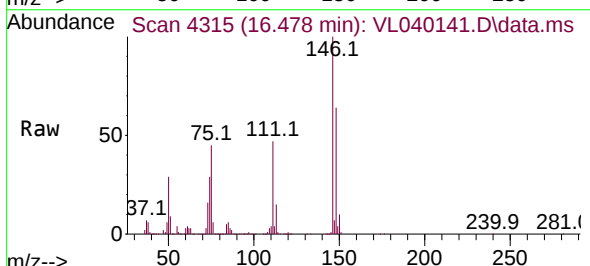
Instrument :
MSVOA_L
ClientSampleId :

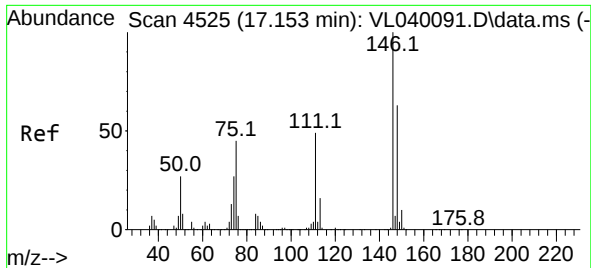
Tgt Ion:146 Resp: 1376132
Ion Ratio Lower Upper
146 100
111 48.7 24.3 73.0
148 64.3 32.3 96.8



#76
1,4-Dichlorobenzene
Concen: 10.065 ppbv
RT: 16.478 min Scan# 4315
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion:146 Resp: 1345411
Ion Ratio Lower Upper
146 100
111 47.6 23.8 71.2
148 65.5 32.8 98.4

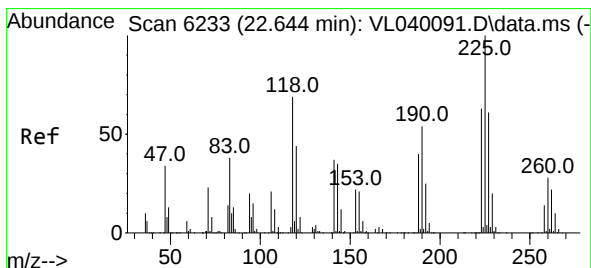
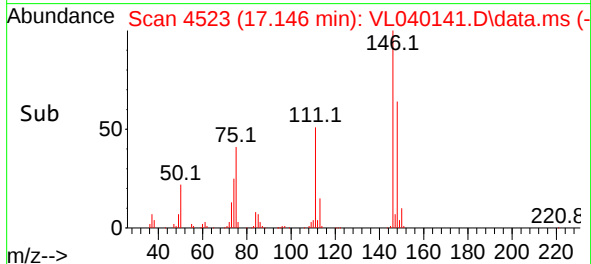
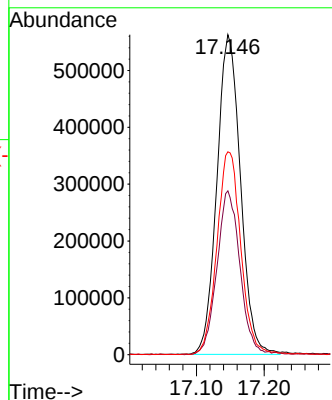
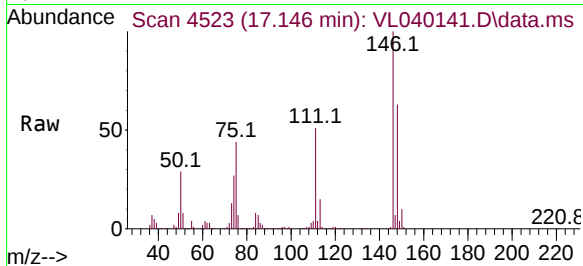




#77
1,2-Dichlorobenzene
Concen: 10.440 ppbv
RT: 17.146 min Scan# 4523
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

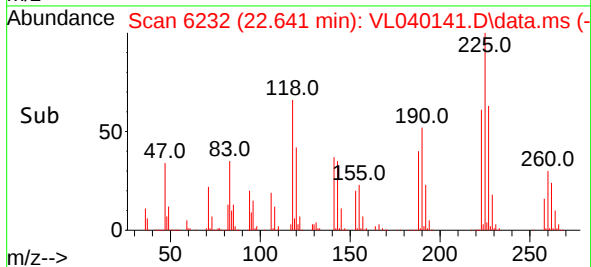
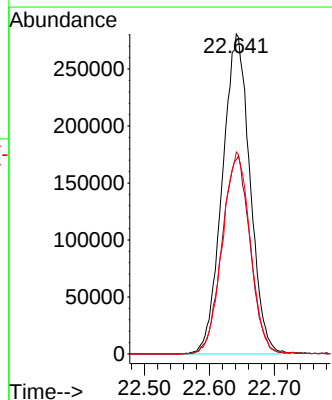
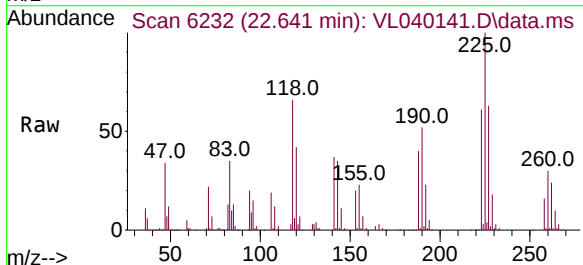
Instrument :
MSVOA_L
ClientSampleId :

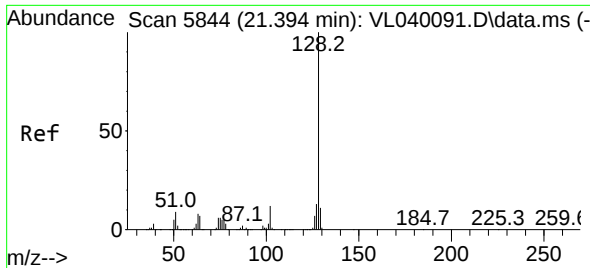
Tgt Ion:146 Resp: 1357301
Ion Ratio Lower Upper
146 100
111 50.5 25.1 75.2
148 64.3 32.4 97.0



#78
Hexachloro-1,3-Butadiene
Concen: 8.706 ppbv
RT: 22.641 min Scan# 6232
Delta R.T. 0.010 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion:225 Resp: 828997
Ion Ratio Lower Upper
225 100
223 63.1 51.5 77.3
227 63.9 50.6 76.0

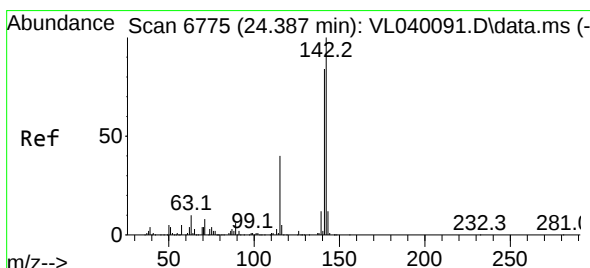
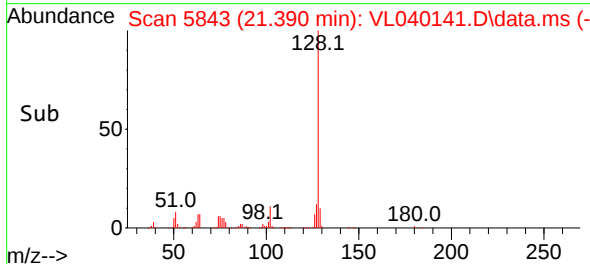
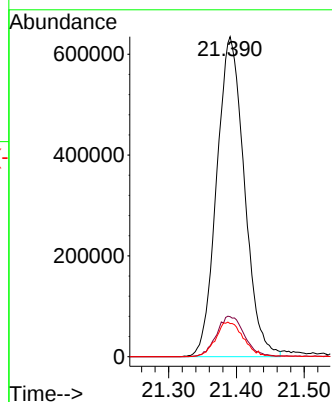
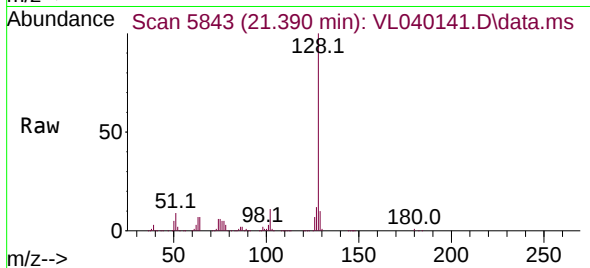




#79
Naphthalene
Concen: 12.812 ppbv
RT: 21.390 min Scan# 5843
Delta R.T. 0.013 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

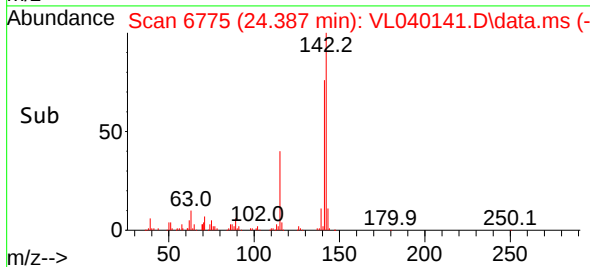
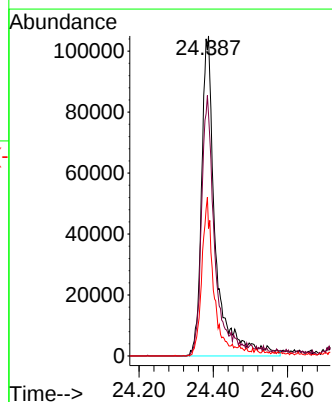
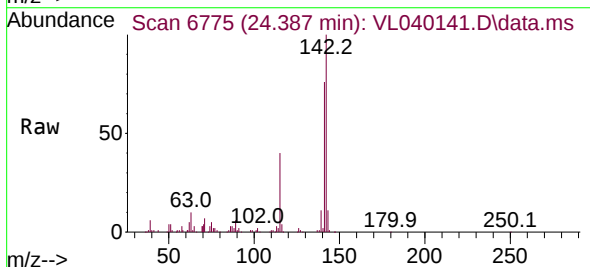
Instrument :
MSVOA_L
ClientSampleId :

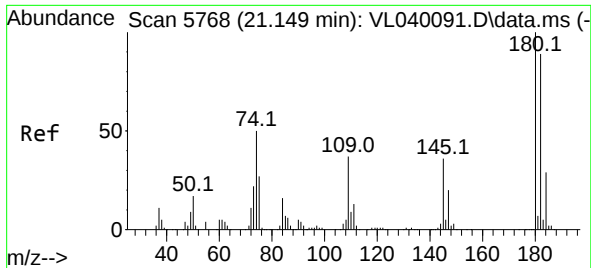
Tgt Ion:128 Resp: 1796514
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 10.3 8.8 13.2



#80
Naphthalene,2-methyl-
Concen: 5.796 ppbv
RT: 24.387 min Scan# 6775
Delta R.T. 0.013 min
Lab File: VL040141.D
Acq: 6 Feb 2023 11:06

Tgt Ion:142 Resp: 273841
Ion Ratio Lower Upper
142 100
141 80.6 65.0 97.6
115 44.2 31.8 47.8





#81

1,2,4-Trichlorobenzene

Concen: 11.104 ppbv

RT: 21.146 min Scan# 51

Delta R.T. 0.013 min

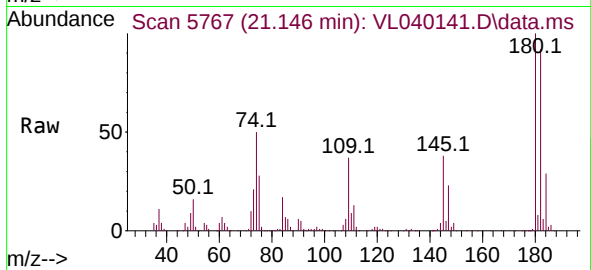
Lab File: VL040141.D

Acq: 6 Feb 2023 11:06

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 959683

Ion Ratio Lower Upper

180 100

182 95.9 78.6 117.8

184 30.5 25.1 37.7

