

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022723\
 Data File : VL040229.D
 Acq On : 27 Feb 2023 10:22
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Feb 28 00:12:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 28 00:12:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	947420	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2576204	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2963012	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1924182	7.897	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	1281795	7.259	ppbv	100
3) Chlorodifluoromethane	2.658	51	1135537	10.033	ppbv	99
4) Chloromethane	2.796	50	730830	10.280	ppbv	93
5) Vinyl Chloride	2.906	62	635726	11.128	ppbv	96
6) Bromomethane	3.108	94	207174	10.048	ppbv	99
7) Chloroethane	3.182	64	236857	10.455	ppbv	100
8) Dichlorotetrafluoroethane	2.841	85	1514666	9.955	ppbv	99
9) Propene	2.681	41	492956	10.685	ppbv	96
10) Heptane	7.577	43	1190467	10.842	ppbv	99
11) Trichlorofluoromethane	3.549	101	1575019	9.941	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.057	101	1211341	10.364	ppbv	99
13) Ethanol	3.234	45	24412	5.748	ppbv	84
14) Bromoethene	3.353	108	473164	10.557	ppbv	98
15) Acetone	3.455	43	1076716	9.440	ppbv	100
16) 1,3-Butadiene	2.970	39	560223	10.755	ppbv	96
17) tert-Butyl alcohol	3.864	59	1162915	11.179	ppbv	100
18) 1,1-Dichloroethene	3.867	96	540830	10.649	ppbv	98
19) Isopropyl Alcohol	3.565	45	568602	10.487	ppbv	100
20) Methylene Chloride	3.922	84	457434	7.704	ppbv	95
21) Allyl Chloride	3.986	41	778485	11.127	ppbv	99
22) trans-1,2-Dichloroethene	4.436	96	568793	10.816	ppbv	91
23) Vinyl Acetate	4.613	43	373365	10.786	ppbv	99
24) 1,1-Dichloroethane	4.552	63	1116420	10.318	ppbv	99
25) Ethyl Acetate	5.195	43	2087403	9.844	ppbv	99
26) Hexane	5.205	57	889932	9.777	ppbv	98
27) Carbon Disulfide	4.115	76	1372254	11.880	ppbv	99
28) Methyl tert-Butyl Ether	4.574	73	1042473	10.688	ppbv	99
29) Chloroform	5.266	83	1348485	8.628	ppbv	100
30) Cyclohexane	6.594	84	778961	10.898	ppbv	99
31) cis-1,2-Dichloroethene	5.069	61	859832	9.942	ppbv	98
32) 1,1,1-Trichloroethane	5.995	97	1580716	10.764	ppbv	99
34) 2-Butanone	4.774	43	1233717	9.708	ppbv	98
35) Carbon Tetrachloride	6.487	117	1619162	10.632	ppbv	96
36) Benzene	6.365	78	1996252	9.957	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1227008	9.786	ppbv	100
38) Trichloroethene	7.288	130	1161737	10.516	ppbv	99
39) 1,2-Dichloropropane	7.069	63	755750	9.690	ppbv	98
40) 1,4-Dioxane	7.282	88	303765	9.737	ppbv	98
41) Tetrahydrofuran	5.549	42	760386	10.325	ppbv	99
42) Bromodichloromethane	7.246	83	1746557	10.092	ppbv	99
43) Methyl Methacrylate	7.471	69	783766	10.565	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	3283144	9.810	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	756743	11.500	ppbv	96

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

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Feb 28 00:12:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 28 00:12:21 2023
 Response via : Initial Calibration

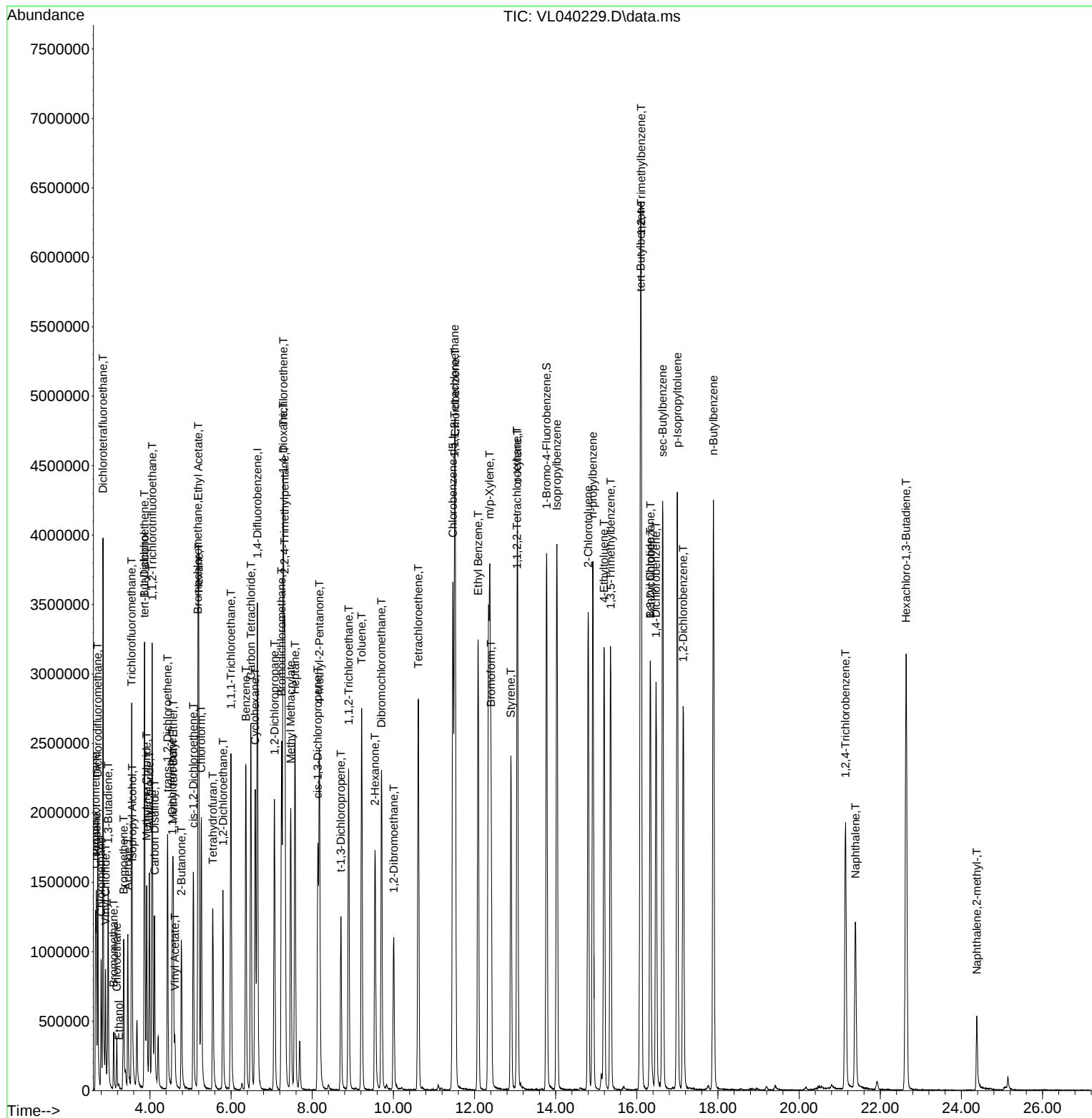
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1010306	11.020	ppbv	98
47) 1,1,2-Trichloroethane	8.896	97	822608	9.752	ppbv	97
48) Dibromochloromethane	9.706	129	1408241	10.437	ppbv	99
49) Bromoform	12.407	173	1113826	10.577	ppbv	99
50) 4-Methyl-2-Pentanone	8.175	43	2025468	10.265	ppbv	100
51) 2-Hexanone	9.548	43	1565866	10.319	ppbv #	100
52) Tetrachloroethene	10.619	164	649801	10.379	ppbv	96
53) Toluene	9.217	91	2222493	10.350	ppbv	100
54) 1,2-Dibromoethane	10.008	107	902277	10.280	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	1005822	8.087	ppbv	95
57) Chlorobenzene	11.526	112	1709532	7.897	ppbv	99
58) Ethyl Benzene	12.089	91	3039285	8.442	ppbv	96
59) m/p-Xylene	12.375	91	2795715	8.768	ppbv #	42
60) o-Xylene	13.060	91	2513431	8.192	ppbv	100
61) Styrene	12.896	104	1428890	8.871	ppbv	99
62) Isopropylbenzene	14.027	105	3510507	7.971	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	831921	7.524	ppbv	99
64) n-propylbenzene	14.915	120	898531	8.243	ppbv	99
65) tert-Butylbenzene	16.095	119	3073557	8.029	ppbv	99
66) Benzyl Chloride	16.329	91	202720	7.958	ppbv	97
67) sec-Butylbenzene	16.638	105	4354493	7.932	ppbv	99
69) p-Isopropyltoluene	16.998	119	3461951	7.954	ppbv	100
70) n-Butylbenzene	17.889	91	3763803	7.967	ppbv	99
71) 2-Chlorotoluene	14.802	91	2717328	8.068	ppbv	99
72) 4-Ethyltoluene	15.191	105	2788112	8.220	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2500086	7.922	ppbv	100
74) 1,2,4-Trimethylbenzene	16.108	105	2726912	7.866	ppbv	94
75) 1,3-Dichlorobenzene	16.336	146	1477624	7.789	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1445878	7.778	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1423899	7.556	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	438051	3.384	ppbv #	18
79) Naphthalene	21.390	128	1575089	8.088	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	339272	6.126	ppbv	97
81) 1,2,4-Trichlorobenzene	21.146	180	863113	7.082	ppbv	98

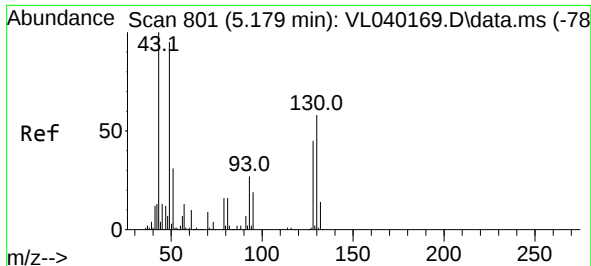
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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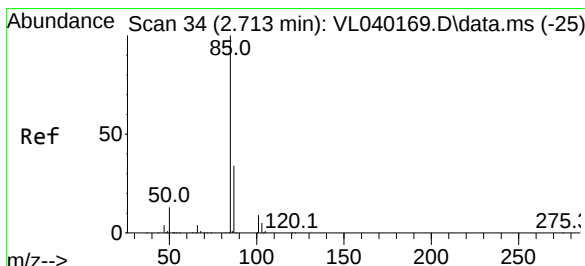
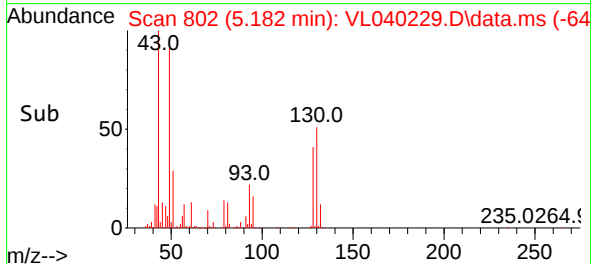
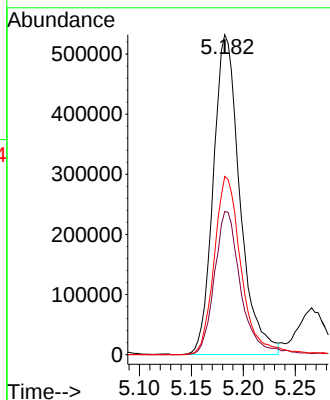
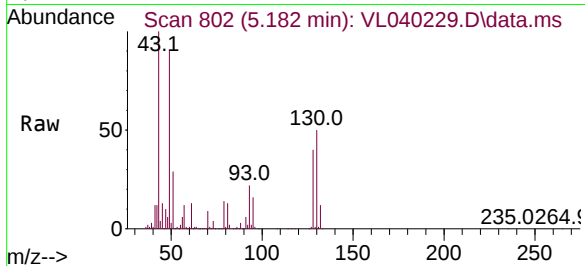




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

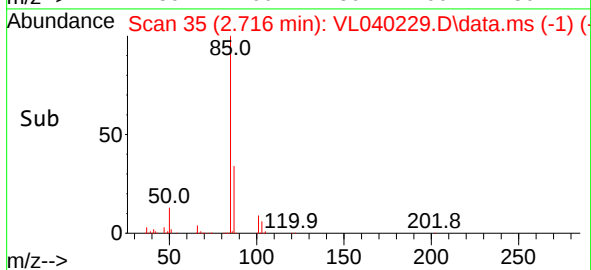
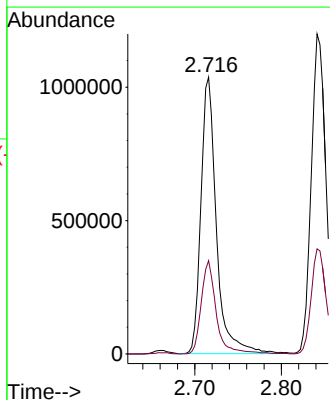
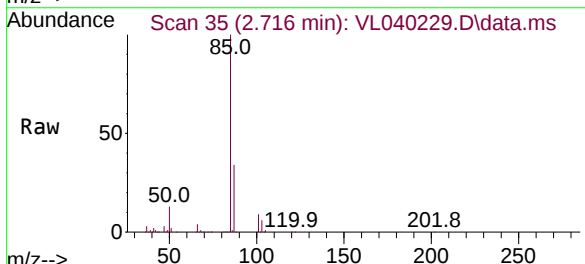
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

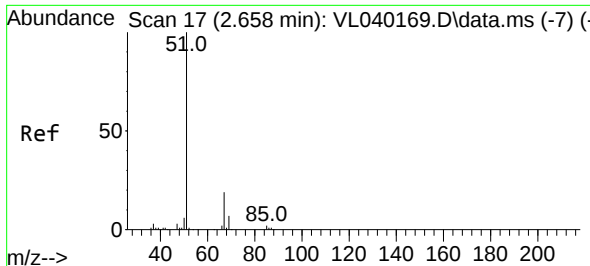
Tgt Ion: 49 Resp: 947420
Ion Ratio Lower Upper
49 100
128 45.1 24.1 72.3
130 57.4 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 7.259 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 85 Resp: 1281795
Ion Ratio Lower Upper
85 100
87 33.7 27.0 40.6

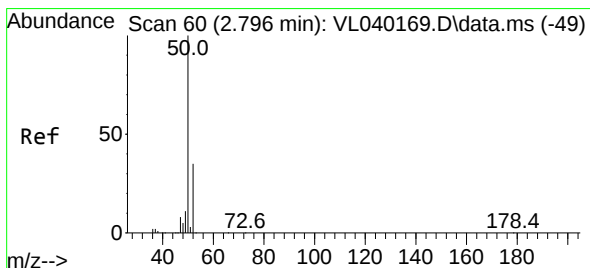
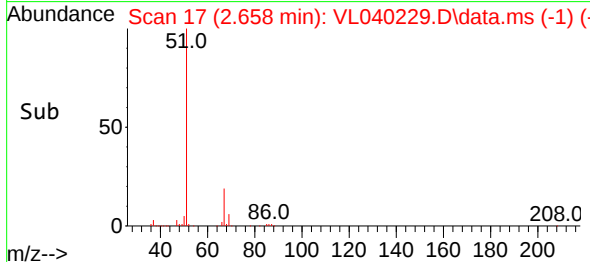
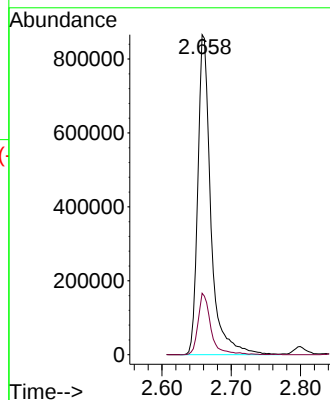
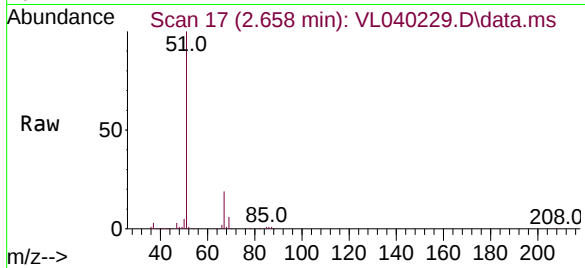




#3
Chlorodifluoromethane
Concen: 10.033 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

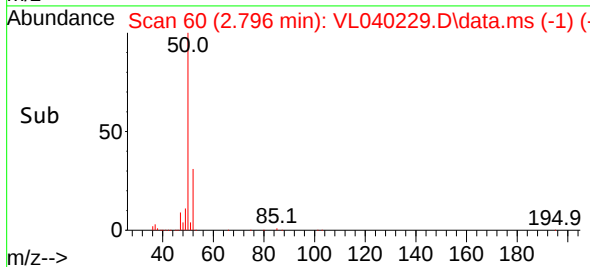
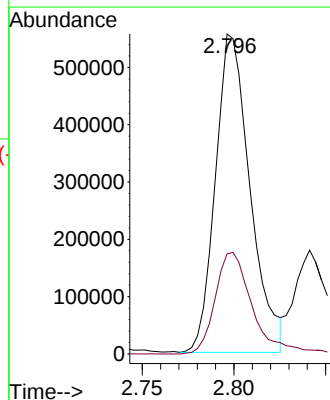
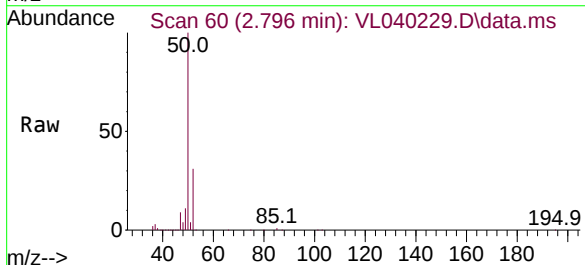
Instrument :
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ClientSampleId :
VSTDCCC010

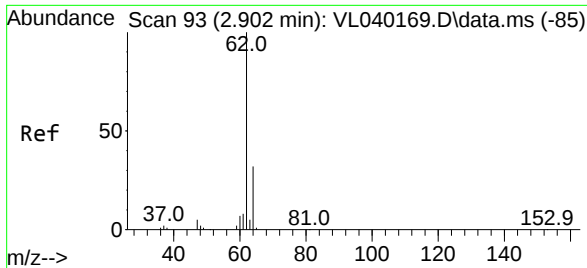
Tgt Ion: 51 Resp: 1135537
Ion Ratio Lower Upper
51 100
67 18.9 15.4 23.2



#4
Chloromethane
Concen: 10.280 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 50 Resp: 730830
Ion Ratio Lower Upper
50 100
52 31.5 28.3 42.5

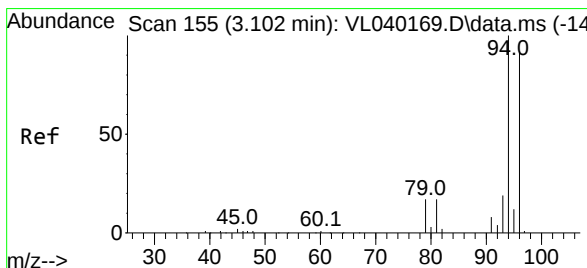
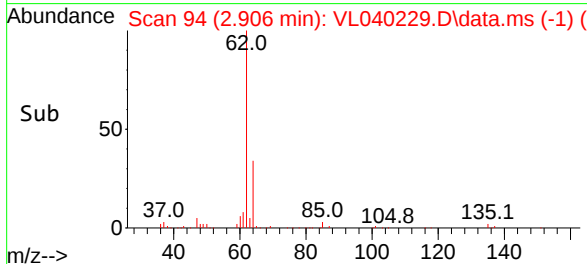
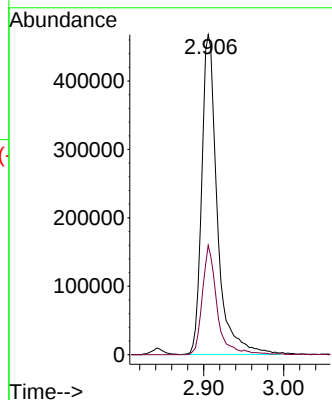
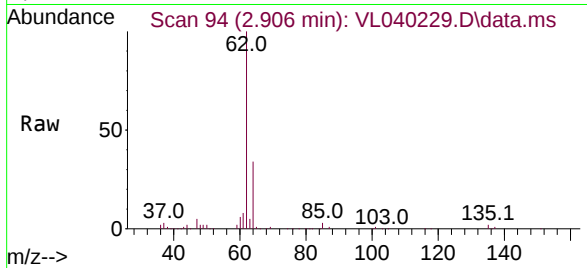




#5
 Vinyl Chloride
 Concen: 11.128 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. 0.000 min
 Lab File: VL040229.D
 Acq: 27 Feb 2023 10:22

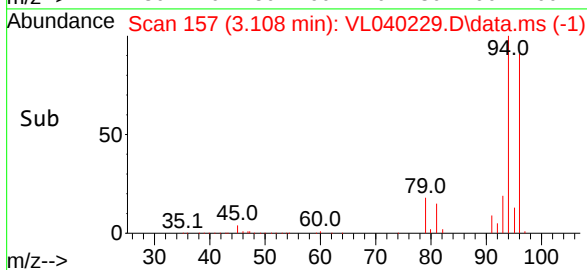
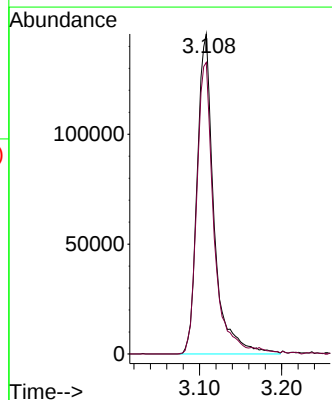
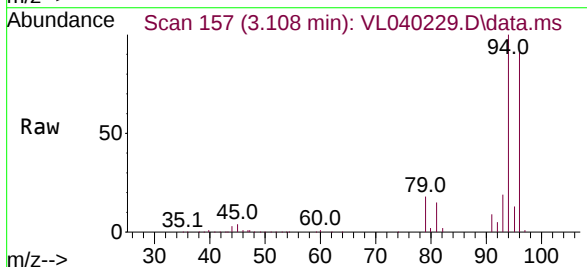
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 635726
 Ion Ratio Lower Upper
 62 100
 64 34.2 25.6 38.4



#6
 Bromomethane
 Concen: 10.048 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.000 min
 Lab File: VL040229.D
 Acq: 27 Feb 2023 10:22

Tgt Ion: 94 Resp: 207174
 Ion Ratio Lower Upper
 94 100
 96 91.0 73.4 110.2

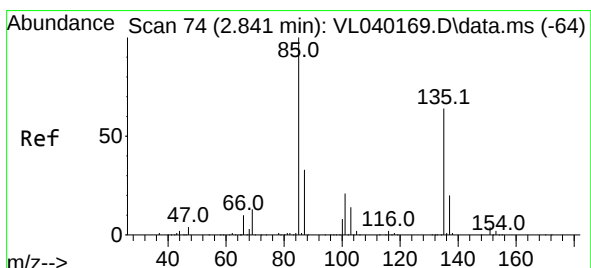
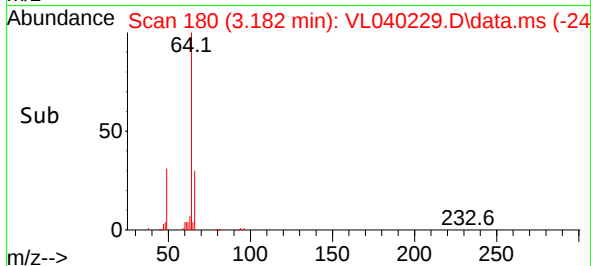
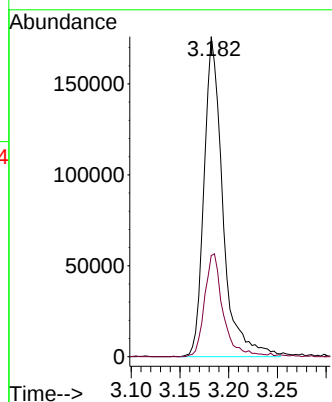
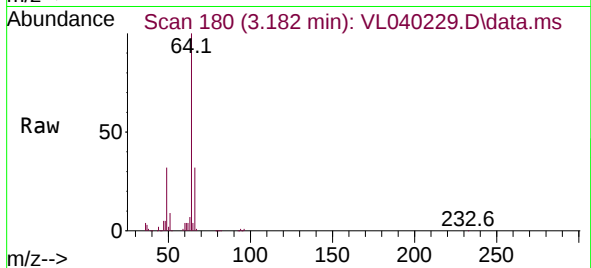




#7
Chloroethane
Concen: 10.455 ppbv
RT: 3.182 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

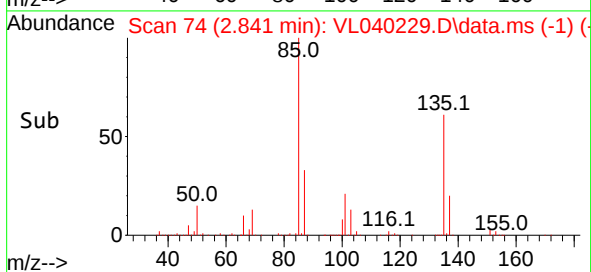
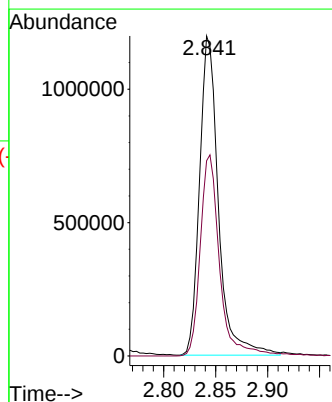
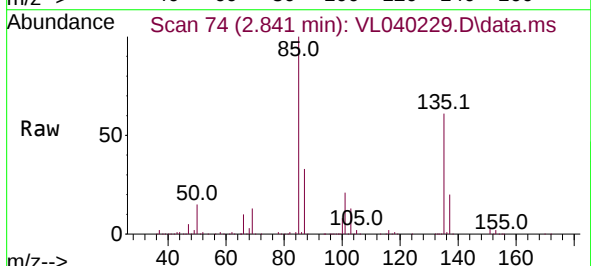
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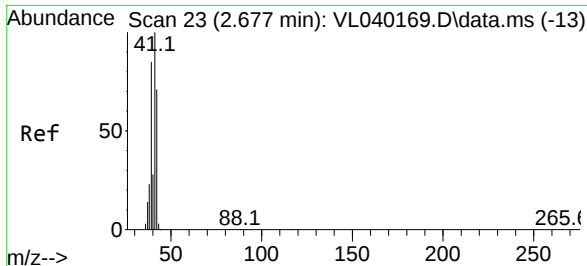
Tgt Ion: 64 Resp: 236857
Ion Ratio Lower Upper
64 100
66 31.6 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 9.955 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 85 Resp: 1514666
Ion Ratio Lower Upper
85 100
135 65.0 51.5 77.3

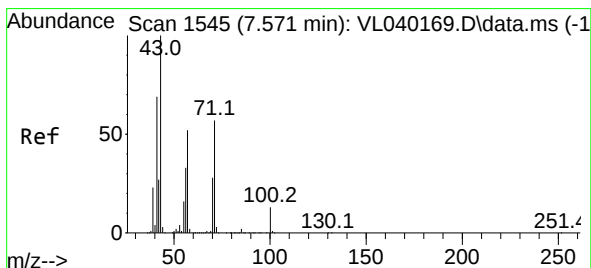
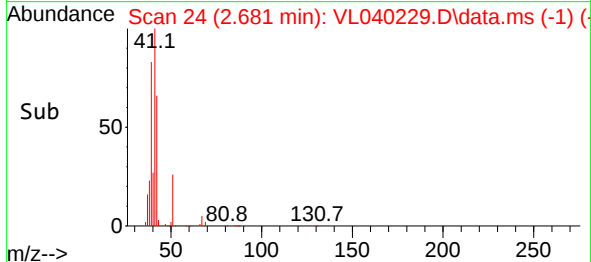
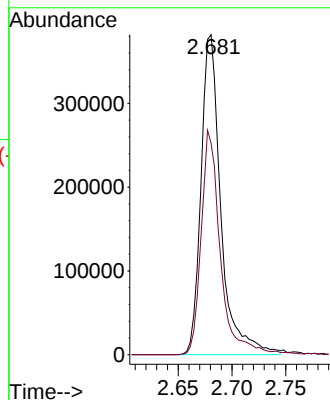
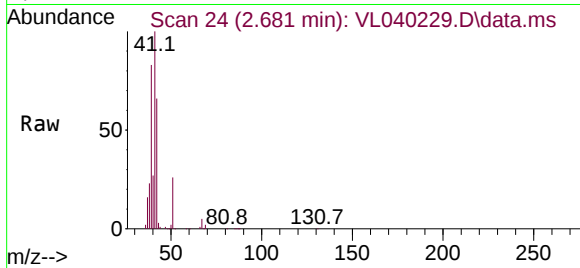




#9
 Propene
 Concen: 10.685 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VL040229.D
 Acq: 27 Feb 2023 10:22

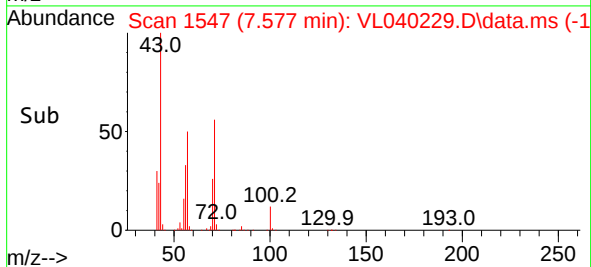
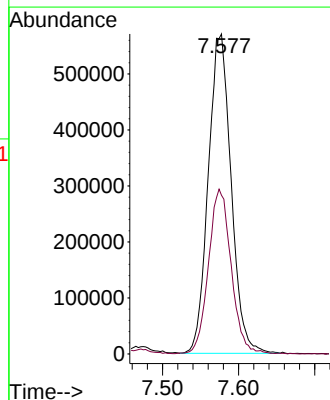
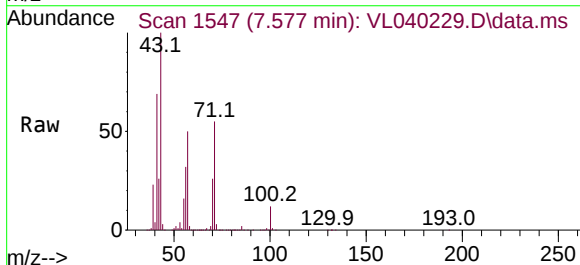
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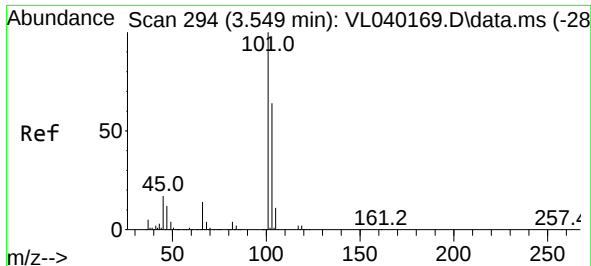
Tgt Ion: 41 Resp: 492956
 Ion Ratio Lower Upper
 41 100
 42 68.1 56.9 85.3



#10
 Heptane
 Concen: 10.842 ppbv
 RT: 7.577 min Scan# 1547
 Delta R.T. 0.000 min
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Tgt Ion: 43 Resp: 1190467
 Ion Ratio Lower Upper
 43 100
 57 51.3 41.4 62.2

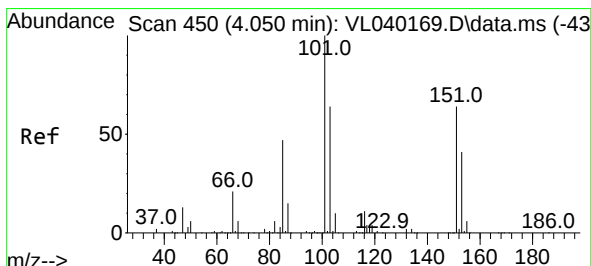
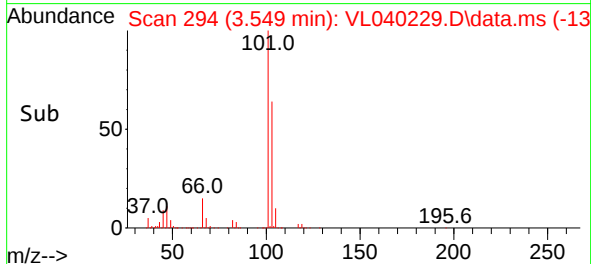
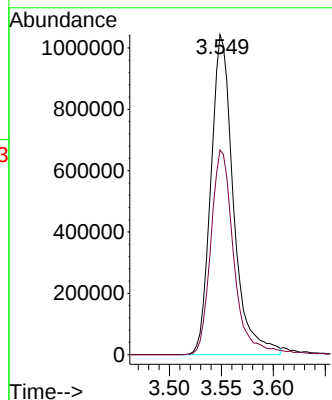
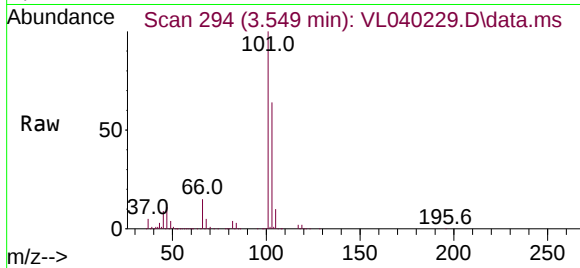




#11
 Trichlorofluoromethane
 Concen: 9.941 ppbv
 RT: 3.549 min Scan# 294
 Delta R.T. 0.000 min
 Lab File: VL040229.D
 Acq: 27 Feb 2023 10:22

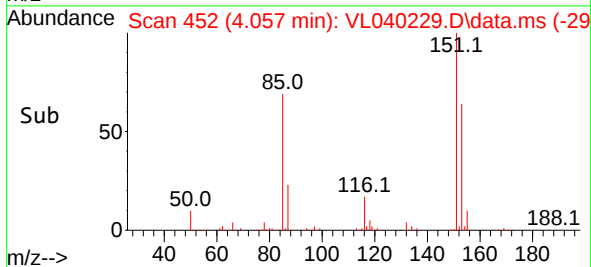
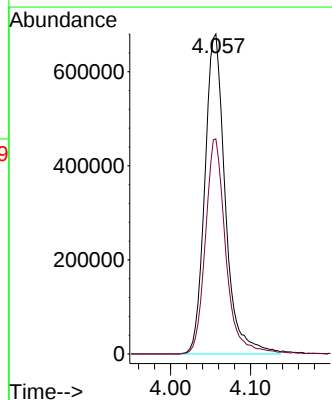
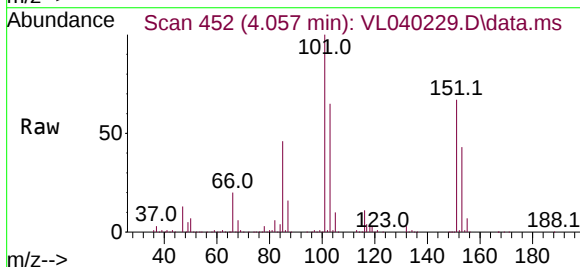
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

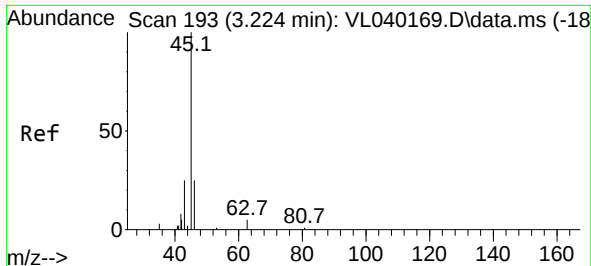
Tgt Ion:101 Resp: 1575019
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.364 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. 0.000 min
 Lab File: VL040229.D
 Acq: 27 Feb 2023 10:22

Tgt Ion:101 Resp: 1211341
 Ion Ratio Lower Upper
 101 100
 151 67.3 54.7 82.1

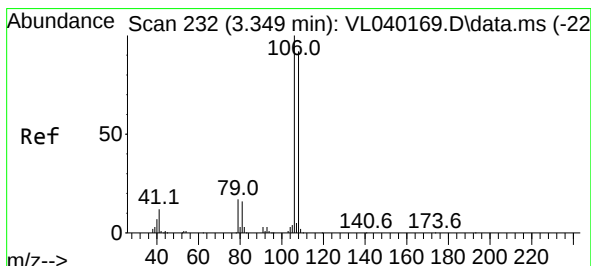
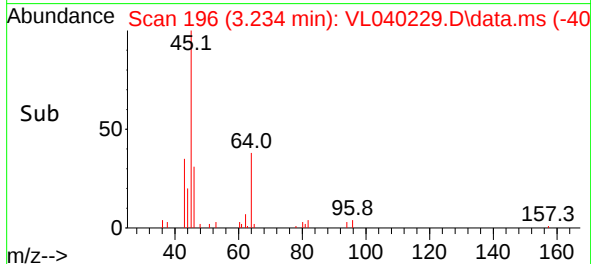
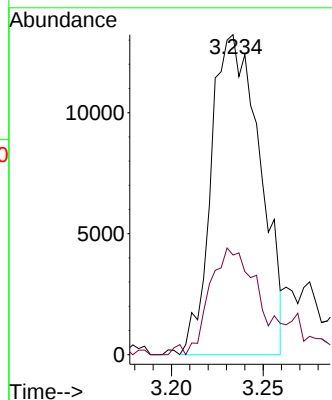
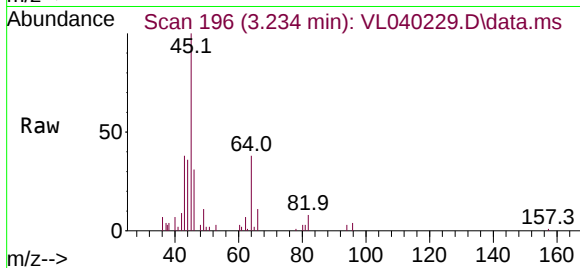




#13
Ethanol
Concen: 5.748 ppbv
RT: 3.234 min Scan# 193
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

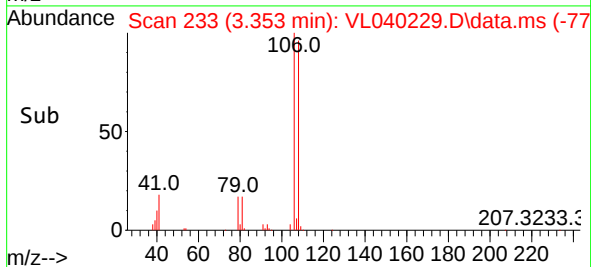
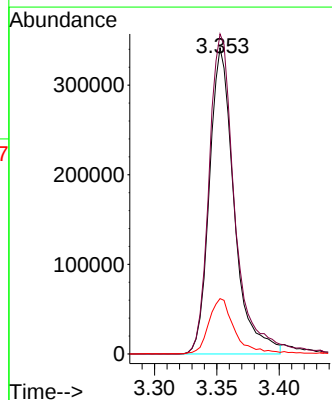
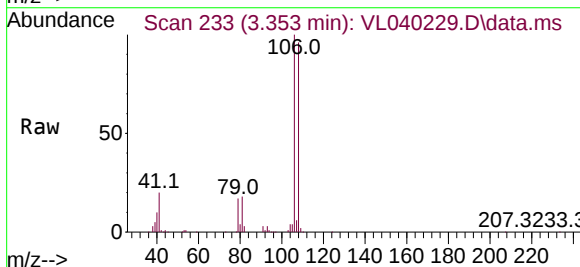
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 24412
Ion Ratio Lower Upper
45 100
46 42.1 13.3 53.1



#14
Bromoethene
Concen: 10.557 ppbv
RT: 3.353 min Scan# 233
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion:108 Resp: 473164
Ion Ratio Lower Upper
108 100
106 111.1 87.1 130.7
79 19.7 15.4 23.2

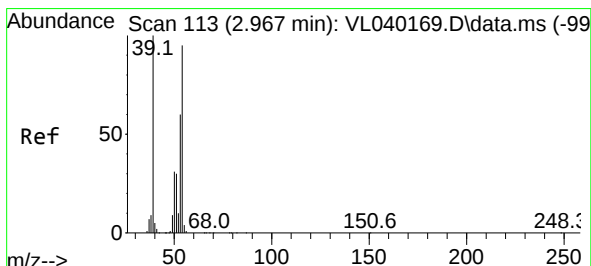
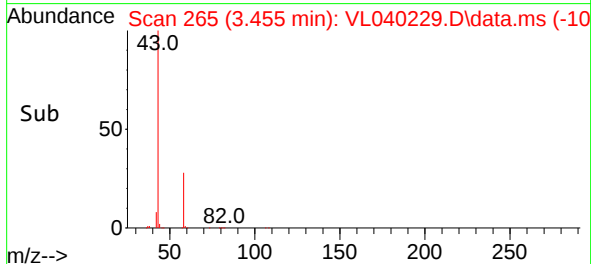
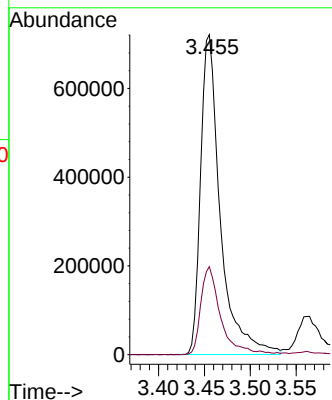
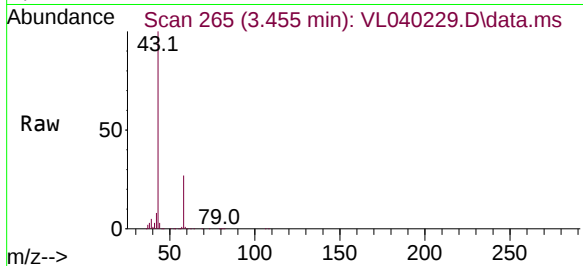




#15
Acetone
Concen: 9.440 ppbv
RT: 3.455 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

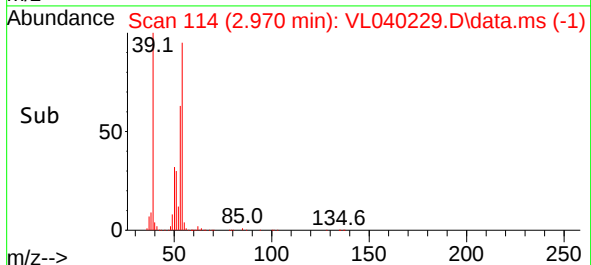
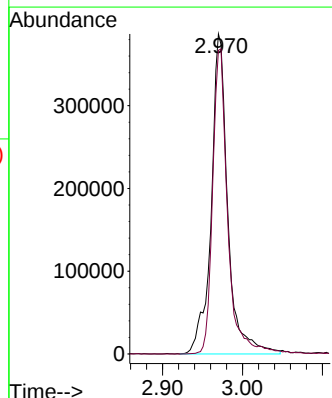
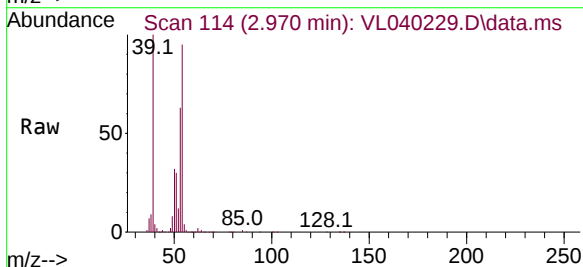
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

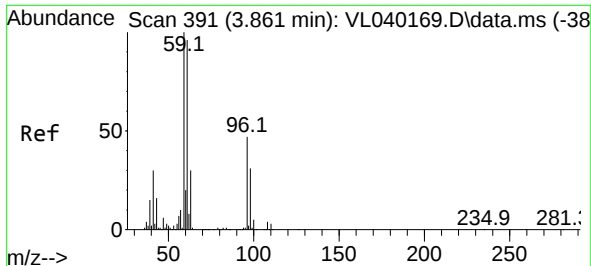
Tgt Ion: 43 Resp: 1076716
Ion Ratio Lower Upper
43 100
58 28.1 22.4 33.6



#16
1,3-Butadiene
Concen: 10.755 ppbv
RT: 2.970 min Scan# 114
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 39 Resp: 560223
Ion Ratio Lower Upper
39 100
54 86.9 66.7 100.1

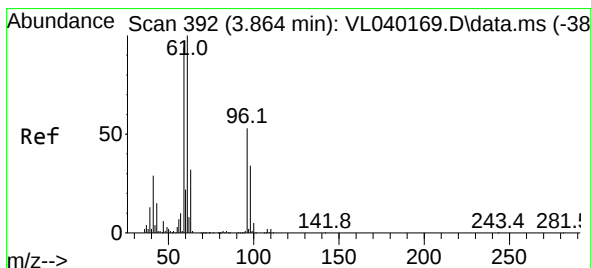
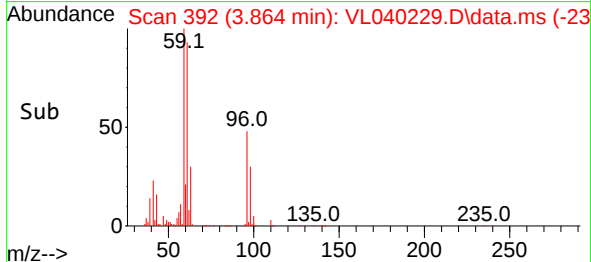
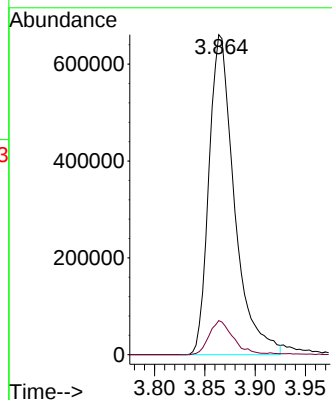
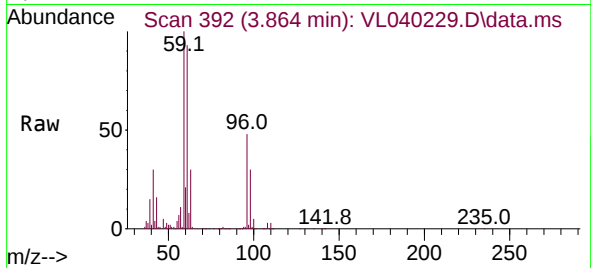




#17
tert-Butyl alcohol
Concen: 11.179 ppbv
RT: 3.864 min Scan# 391
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

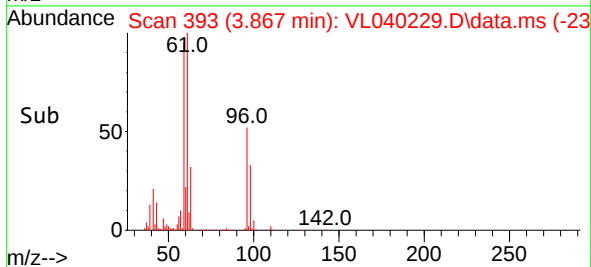
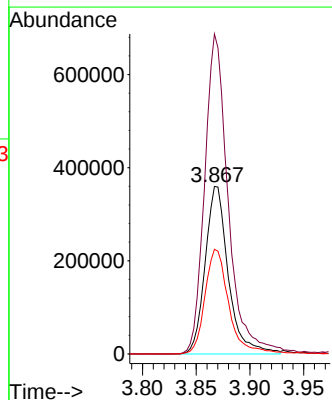
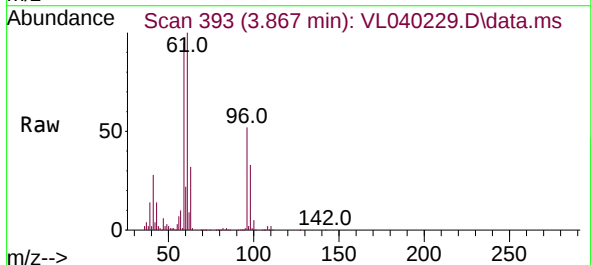
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

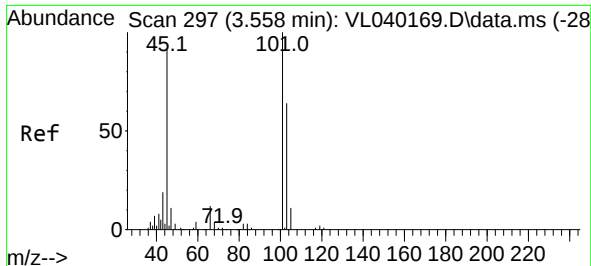
Tgt Ion: 59 Resp: 1162915
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7



#18
1,1-Dichloroethene
Concen: 10.649 ppbv
RT: 3.867 min Scan# 393
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 96 Resp: 540830
Ion Ratio Lower Upper
96 100
61 191.0 149.6 224.4
98 62.5 51.1 76.7

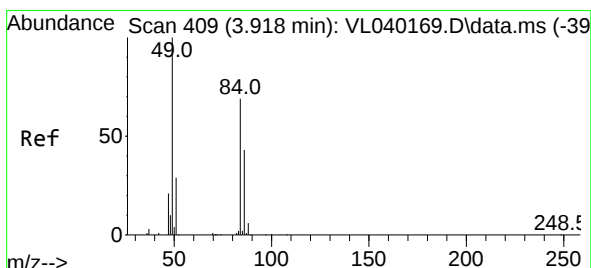
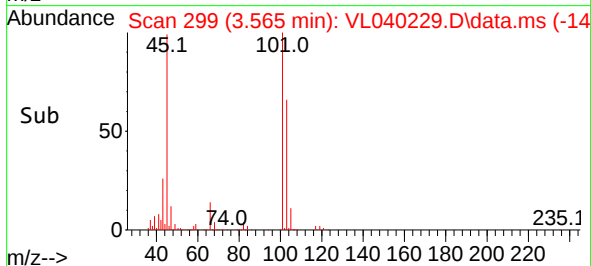
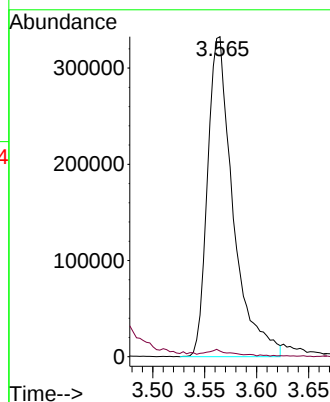
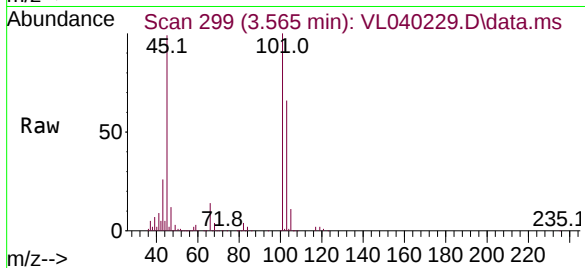




#19
Isopropyl Alcohol
Concen: 10.487 ppbv
RT: 3.565 min Scan# 297
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

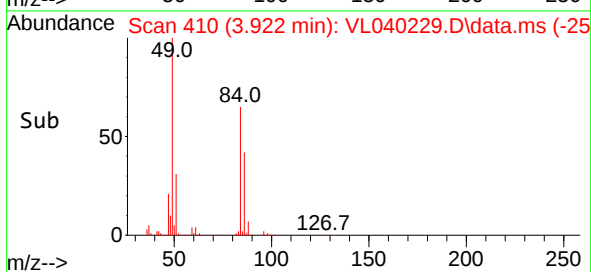
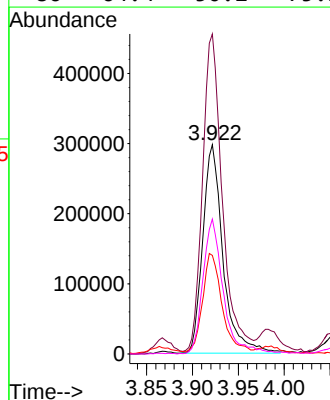
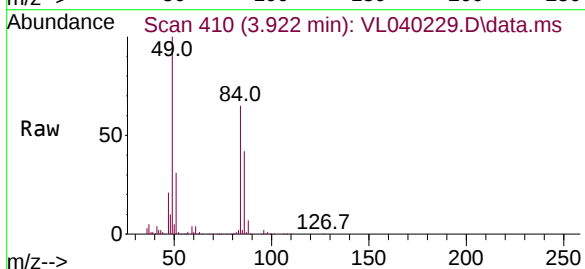
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

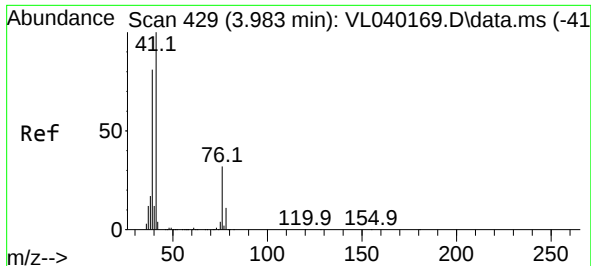
Tgt Ion: 45 Resp: 568602
Ion Ratio Lower Upper
45 100
58 3.3 2.6 3.8



#20
Methylene Chloride
Concen: 7.704 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 84 Resp: 457434
Ion Ratio Lower Upper
84 100
49 152.0 115.5 173.3
51 45.9 33.1 49.7
86 64.4 50.2 75.2





#21

Allyl Chloride

Concen: 11.127 ppbv

RT: 3.986 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

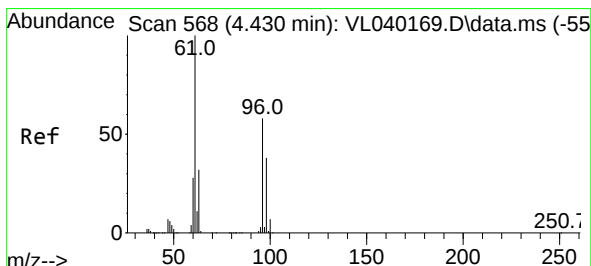
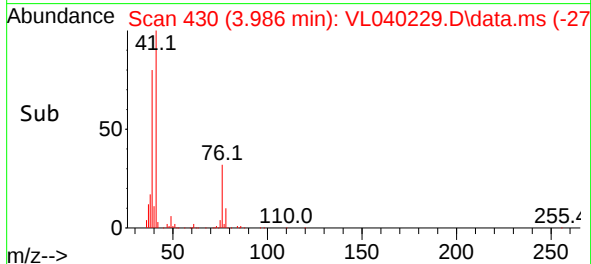
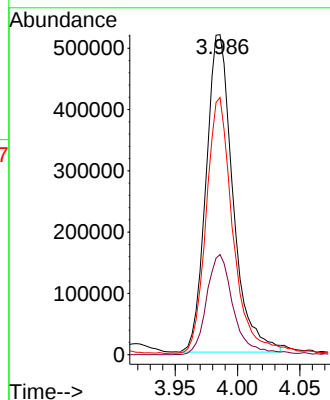
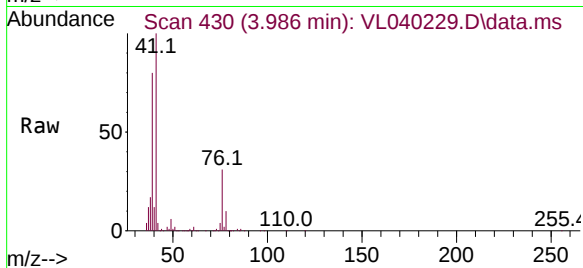
Tgt Ion: 41 Resp: 778485

Ion Ratio Lower Upper

41 100

76 32.0 25.5 38.3

39 82.0 64.5 96.7



#22

trans-1,2-Dichloroethene

Concen: 10.816 ppbv

RT: 4.436 min Scan# 570

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

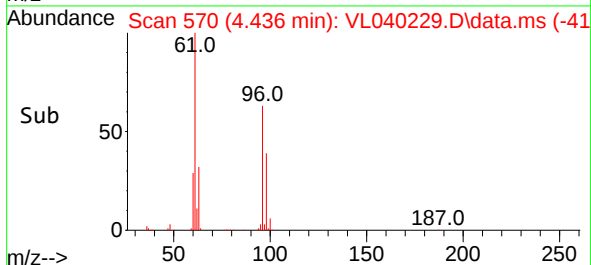
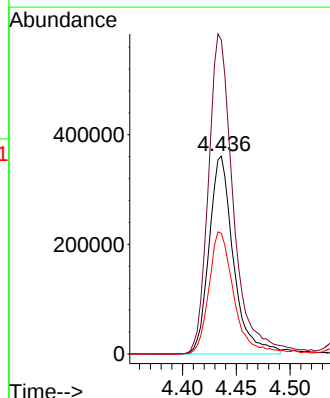
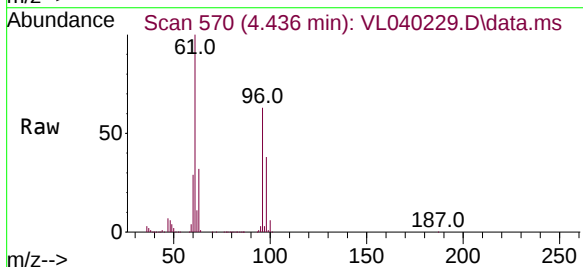
Tgt Ion: 96 Resp: 568793

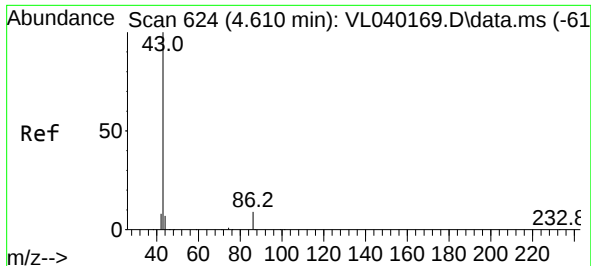
Ion Ratio Lower Upper

96 100

61 158.6 137.5 206.3

98 60.9 52.8 79.2



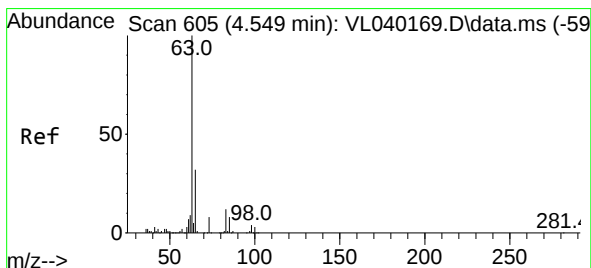
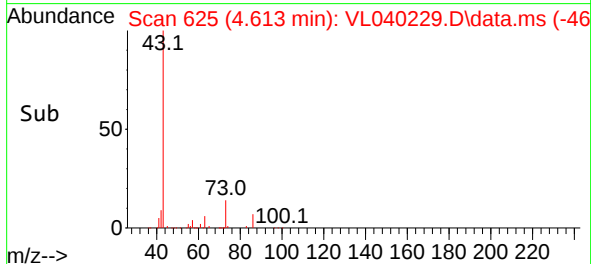
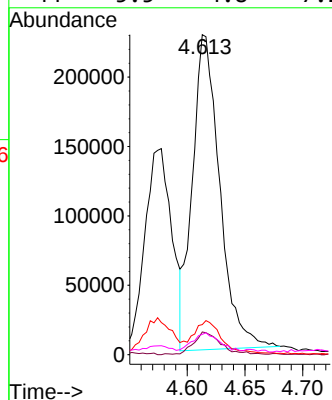
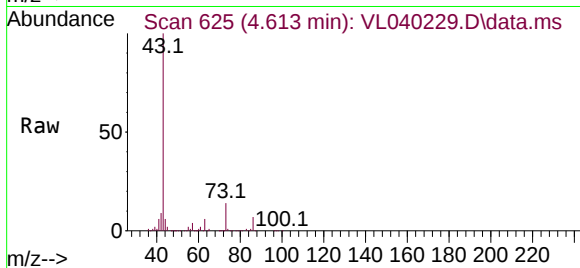


#23
 Vinyl Acetate
 Concen: 10.786 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL040229.D
 Acq: 27 Feb 2023 10:22

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 373365

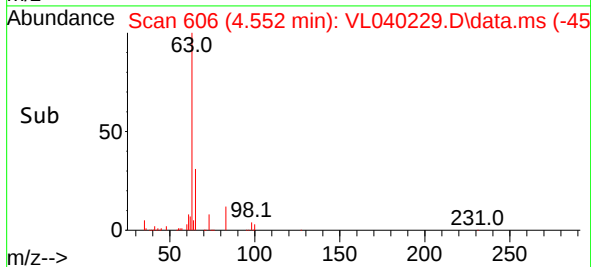
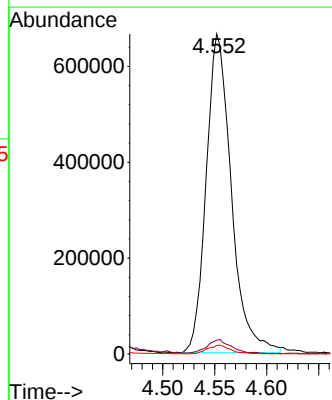
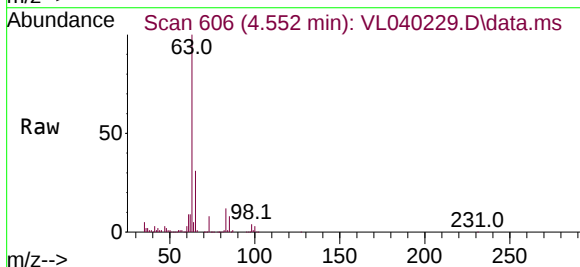
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.6	8.4
42	9.2	7.6	11.4
44	5.5	4.8	7.2

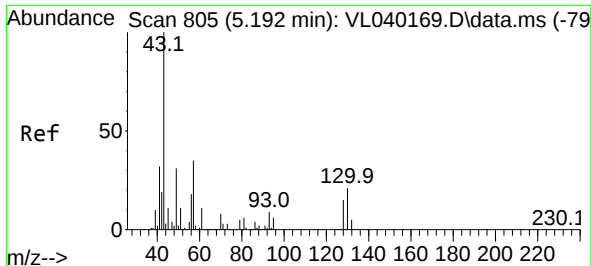


#24
 1,1-Dichloroethane
 Concen: 10.318 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.000 min
 Lab File: VL040229.D
 Acq: 27 Feb 2023 10:22

Tgt Ion: 63 Resp: 1116420

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.8
100	2.6	1.4	4.0



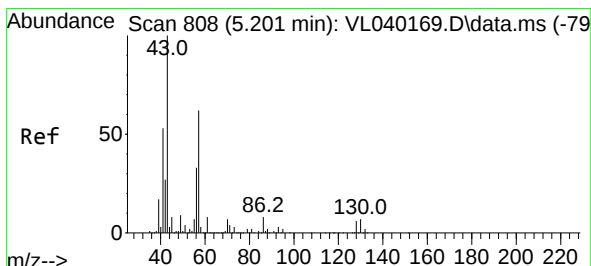
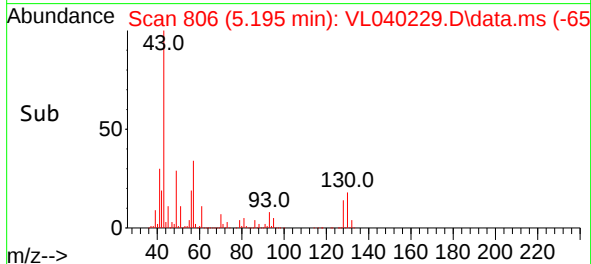
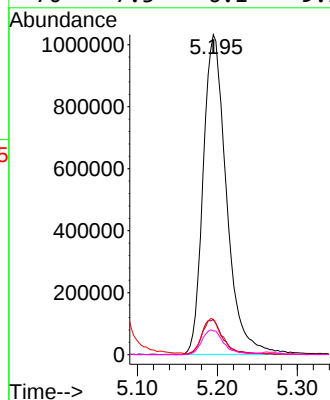
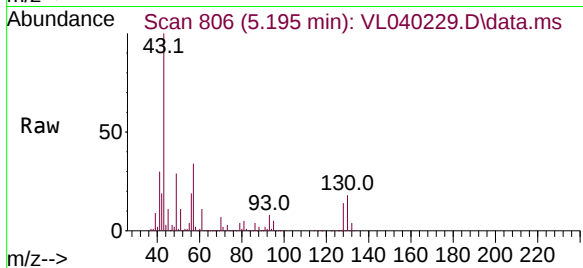


#25
Ethyl Acetate
Concen: 9.844 ppbv
RT: 5.195 min Scan# 805
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2087403

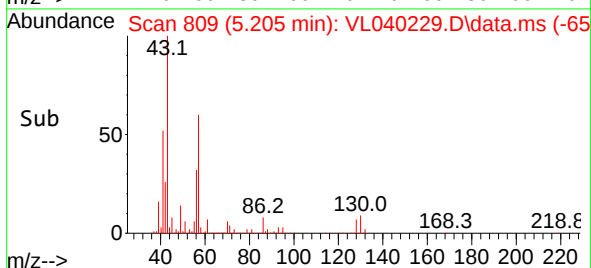
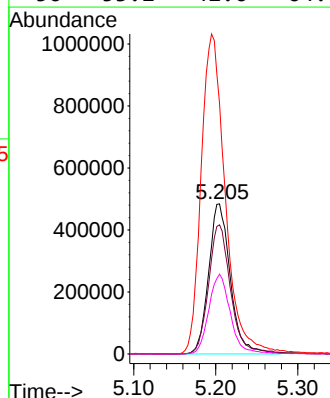
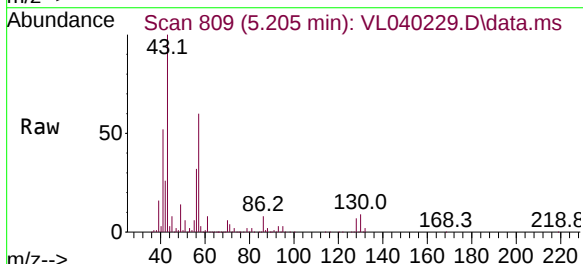
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.3	12.5
61	10.0	8.4	12.6
70	7.3	6.1	9.1

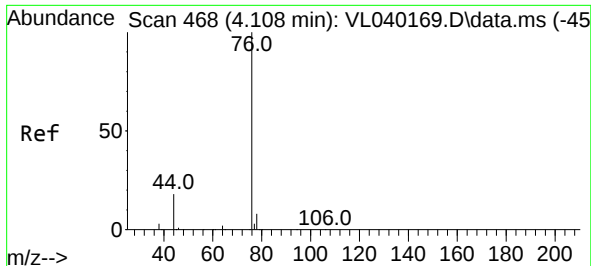


#26
Hexane
Concen: 9.777 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 57 Resp: 889932

Ion	Ratio	Lower	Upper
57	100		
41	88.5	74.3	111.5
43	237.4	193.0	289.4
56	53.2	42.6	64.0





#27

Carbon Disulfide

Concen: 11.880 ppbv

RT: 4.115 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

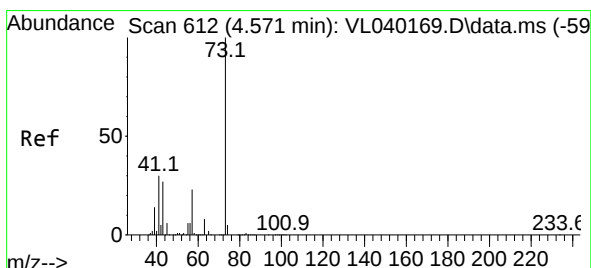
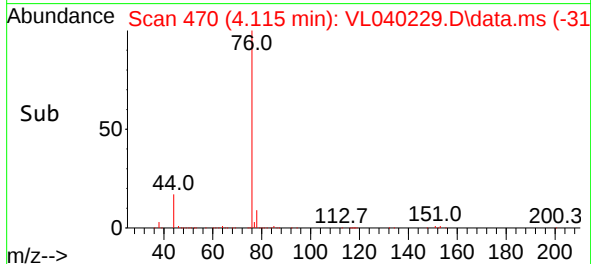
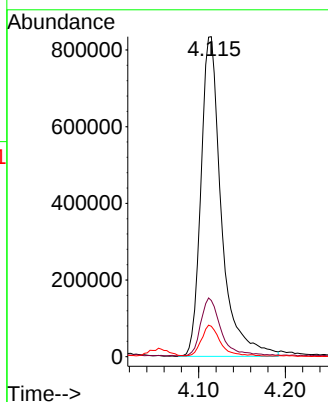
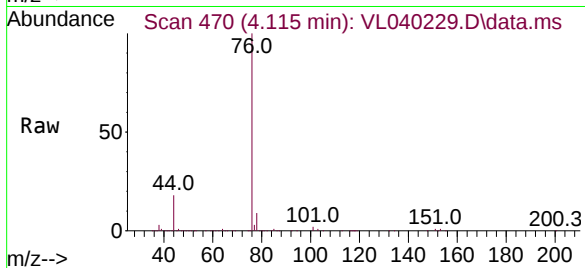
MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 1372254

Ion	Ratio	Lower	Upper
76	100		
44	18.2	15.3	22.9
78	9.4	7.7	11.5



#28

Methyl tert-Butyl Ether

Concen: 10.688 ppbv

RT: 4.574 min Scan# 613

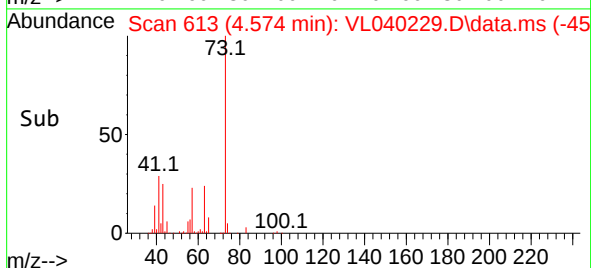
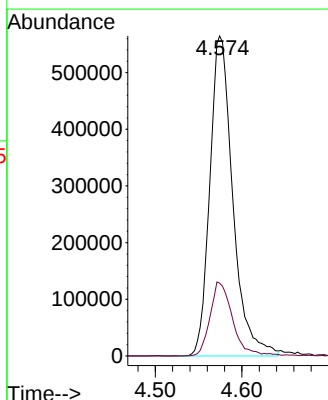
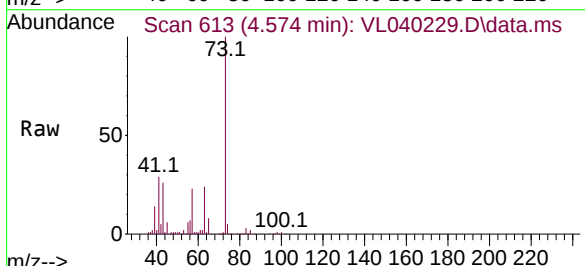
Delta R.T. 0.000 min

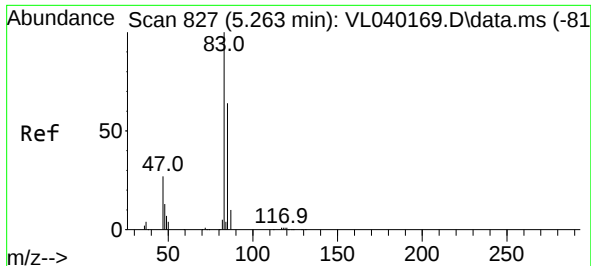
Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Tgt Ion: 73 Resp: 1042473

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.8	28.2





#29

Chloroform

Concen: 8.628 ppbv

RT: 5.266 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_L

ClientSampleId :

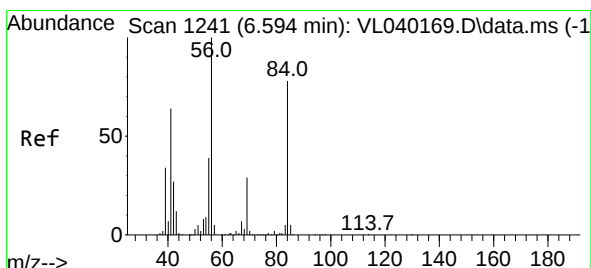
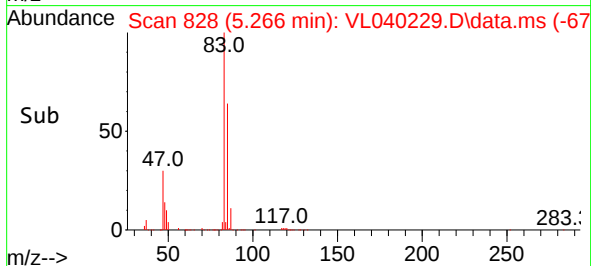
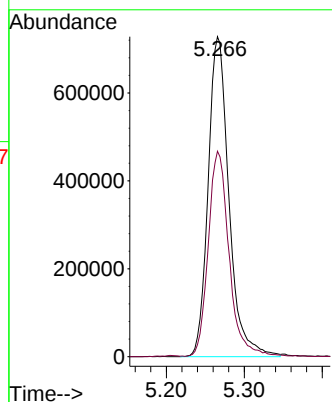
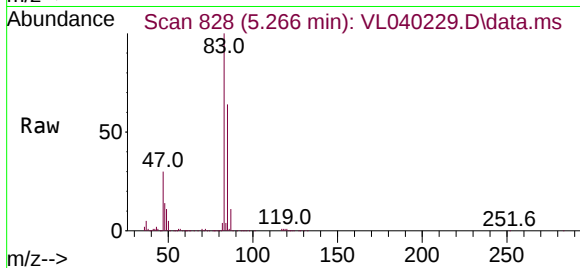
VSTDCCC010

Tgt Ion: 83 Resp: 1348485

Ion Ratio Lower Upper

83 100

85 64.0 51.5 77.3



#30

Cyclohexane

Concen: 10.898 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

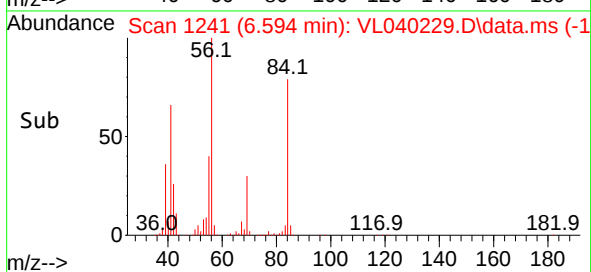
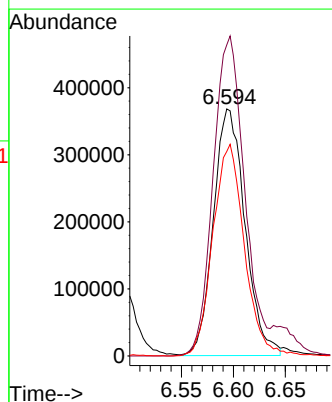
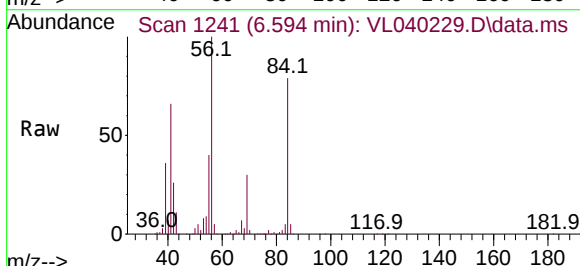
Tgt Ion: 84 Resp: 778961

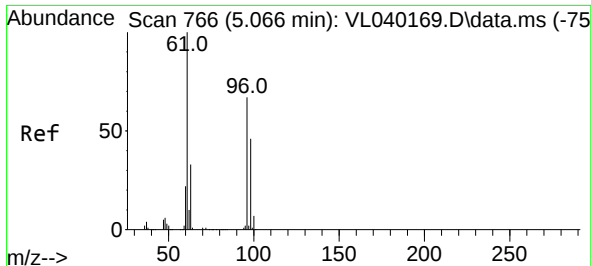
Ion Ratio Lower Upper

84 100

56 138.2 109.9 164.9

41 85.9 67.8 101.6

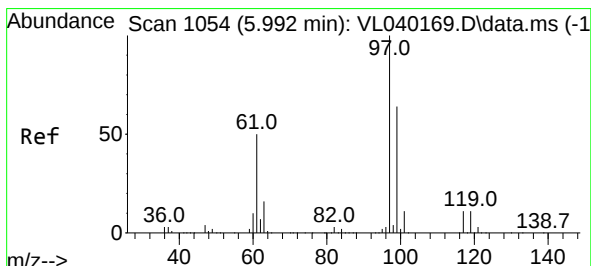
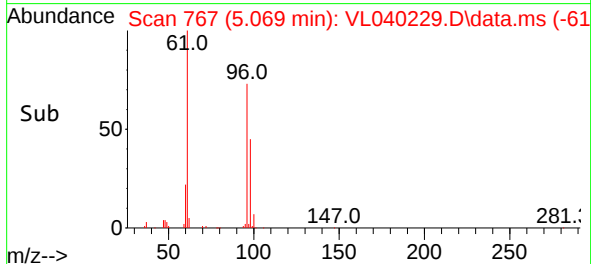
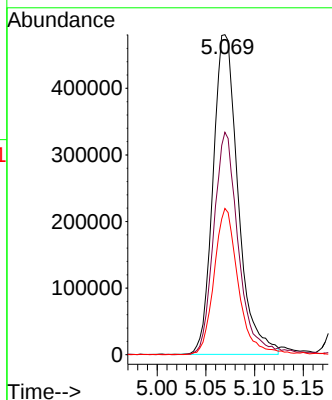
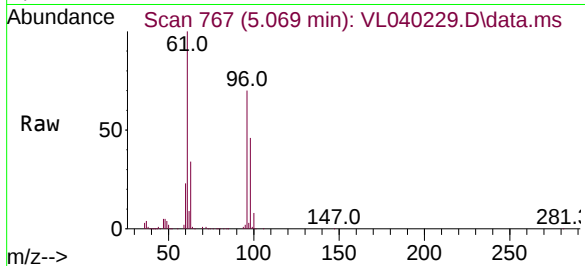




#31
 cis-1,2-Dichloroethene
 Concen: 9.942 ppbv
 RT: 5.069 min Scan# 766
 Delta R.T. 0.000 min
 Lab File: VL040229.D
 Acq: 27 Feb 2023 10:22

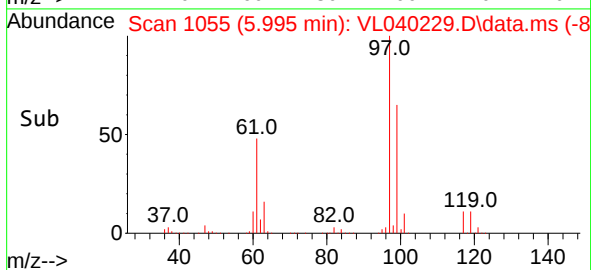
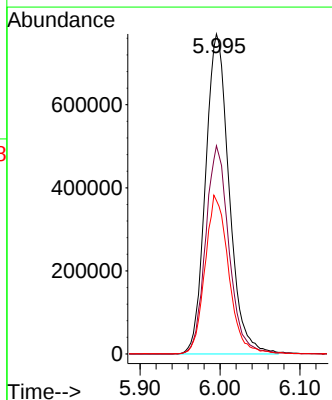
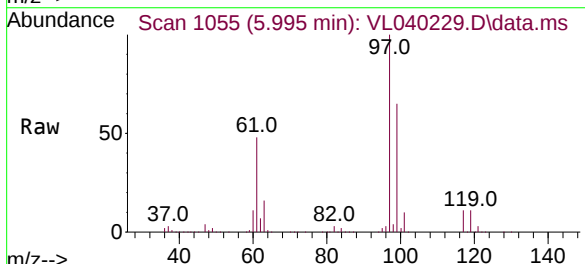
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

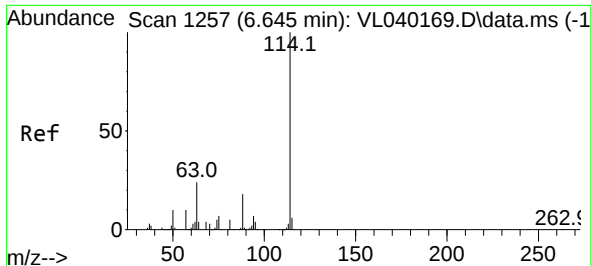
Tgt Ion: 61 Resp: 859832
 Ion Ratio Lower Upper
 61 100
 96 69.5 53.7 80.5
 98 45.6 36.4 54.6



#32
 1,1,1-Trichloroethane
 Concen: 10.764 ppbv
 RT: 5.995 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VL040229.D
 Acq: 27 Feb 2023 10:22

Tgt Ion: 97 Resp: 1580716
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.5 77.3
 61 50.1 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

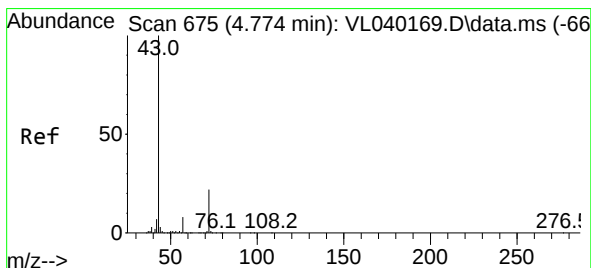
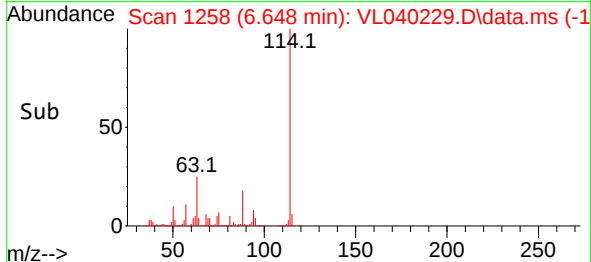
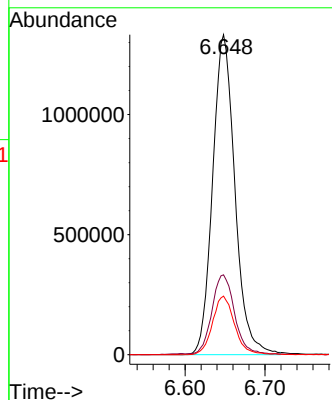
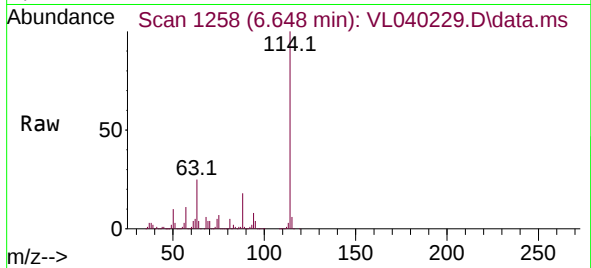
Tgt Ion:114 Resp: 2576204

Ion Ratio Lower Upper

114 100

63 26.0 20.4 30.6

88 18.2 14.3 21.5



#34

2-Butanone

Concen: 9.708 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.000 min

Lab File: VL040229.D

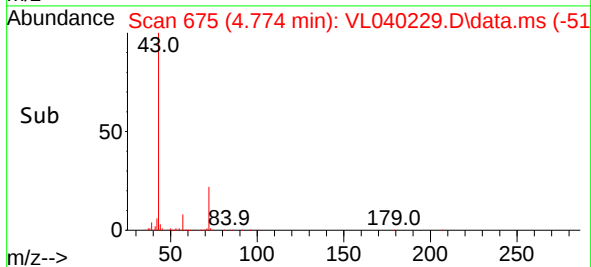
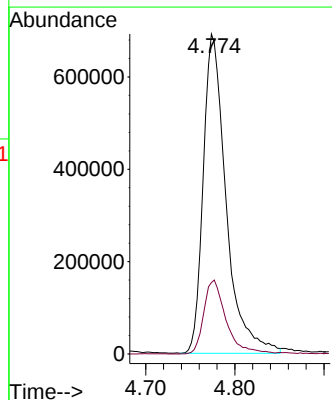
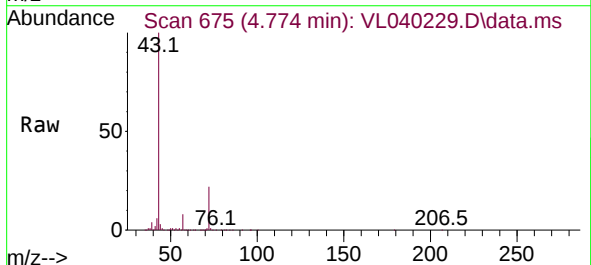
Acq: 27 Feb 2023 10:22

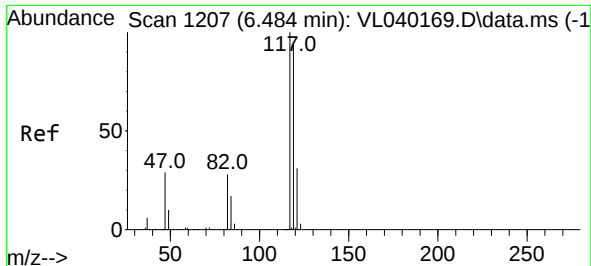
Tgt Ion: 43 Resp: 1233717

Ion Ratio Lower Upper

43 100

72 23.0 17.8 26.8

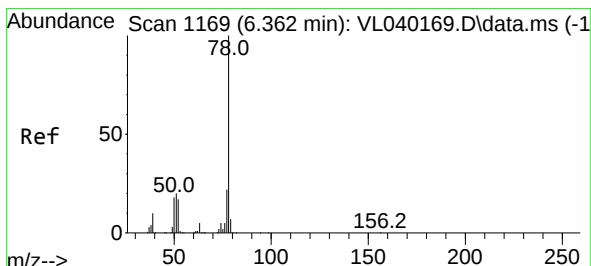
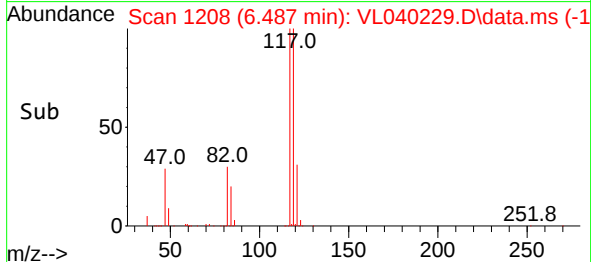
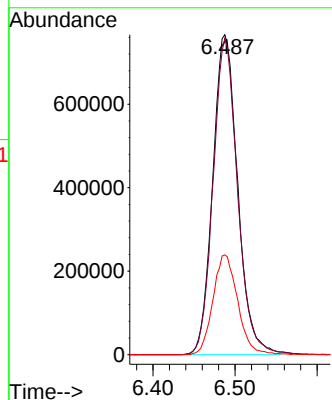
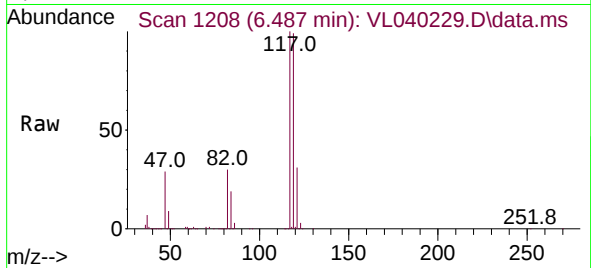




#35
Carbon Tetrachloride
Concen: 10.632 ppbv
RT: 6.487 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

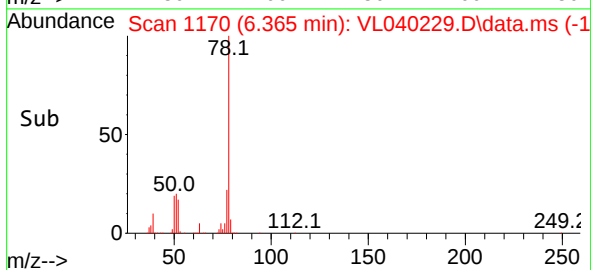
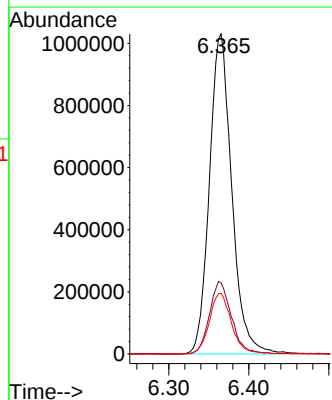
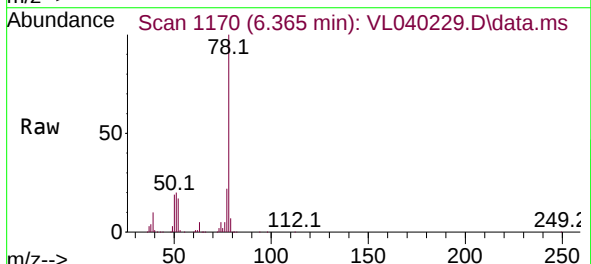
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

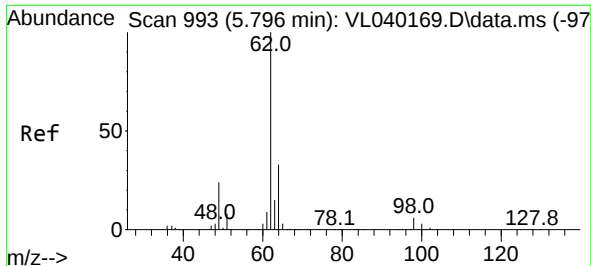
Tgt Ion:117 Resp: 1619162
Ion Ratio Lower Upper
117 100
119 98.9 75.0 112.6
121 31.2 25.0 37.4



#36
Benzene
Concen: 9.957 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 78 Resp: 1996252
Ion Ratio Lower Upper
78 100
77 22.2 17.5 26.3
50 19.0 14.6 22.0





#37

1,2-Dichloroethane

Concen: 9.786 ppbv

RT: 5.799 min Scan# 993

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_L

ClientSampleId :

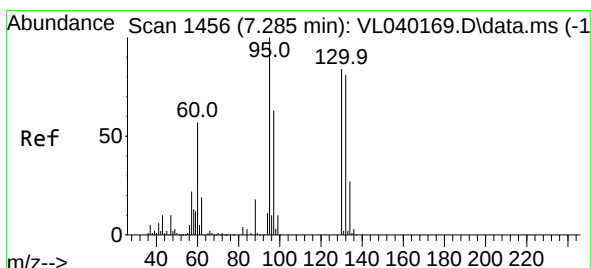
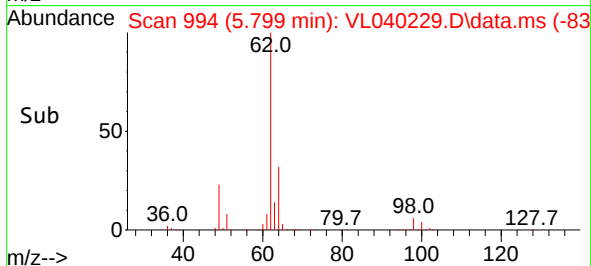
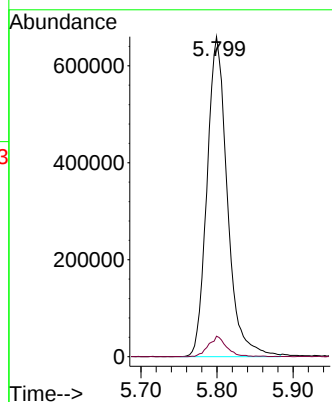
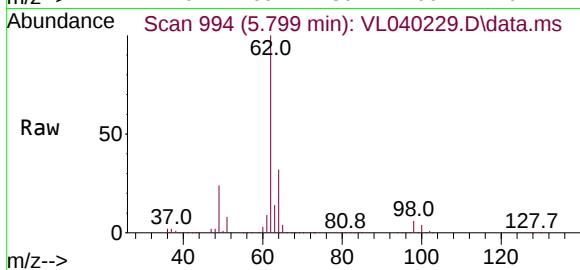
VSTDCCC010

Tgt Ion: 62 Resp: 1227008

Ion Ratio Lower Upper

62 100

98 5.8 4.7 7.1



#38

Trichloroethene

Concen: 10.516 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Tgt Ion:130 Resp: 1161737

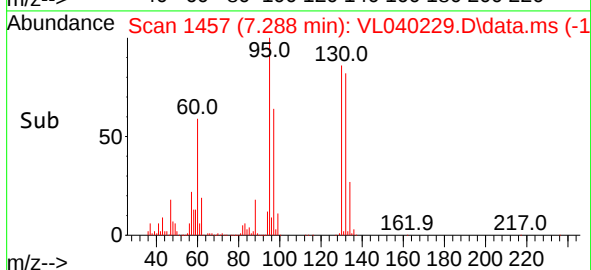
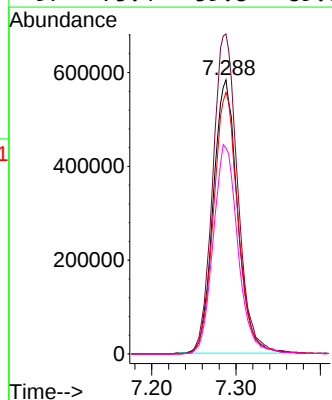
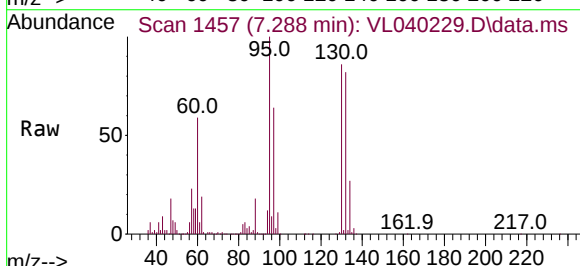
Ion Ratio Lower Upper

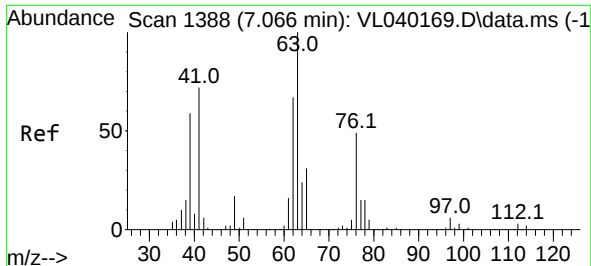
130 100

95 117.0 94.7 142.1

132 95.7 76.4 114.6

97 75.4 59.8 89.6





#39

1,2-Dichloropropane

Concen: 9.690 ppbv

RT: 7.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

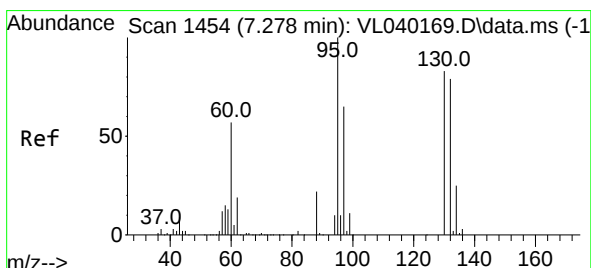
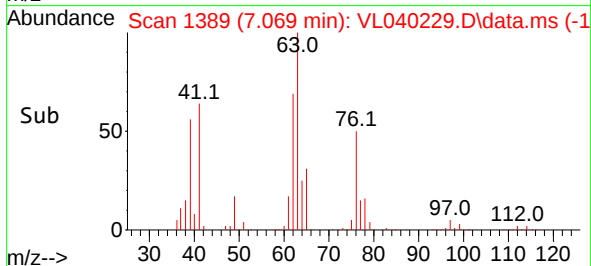
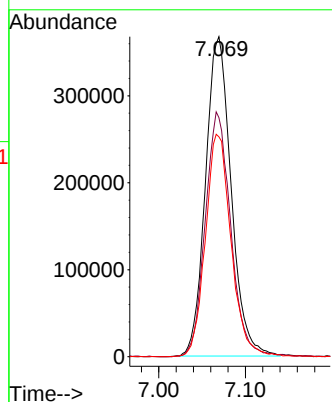
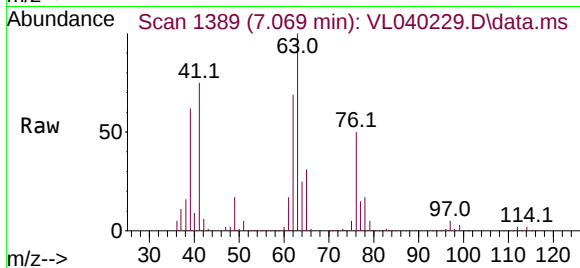
Tgt Ion: 63 Resp: 755750

Ion Ratio Lower Upper

63 100

41 74.6 57.6 86.4

62 68.3 54.0 81.0



#40

1,4-Dioxane

Concen: 9.737 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Tgt Ion: 88 Resp: 303765

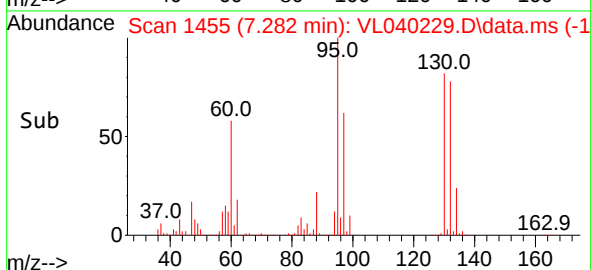
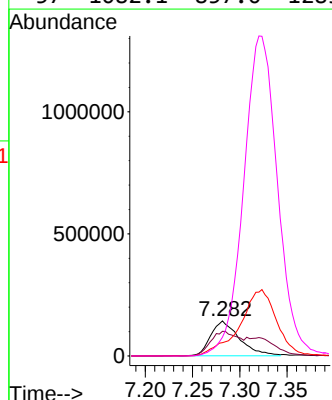
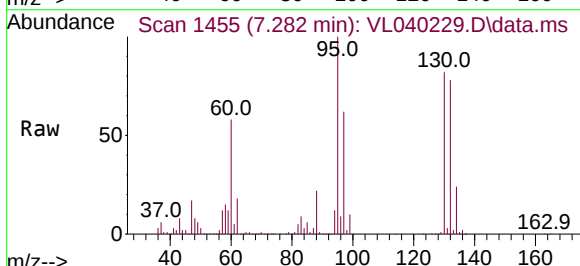
Ion Ratio Lower Upper

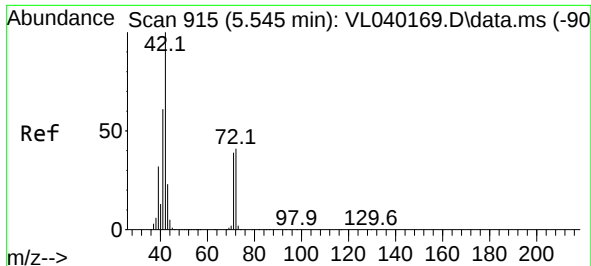
88 100

58 122.2 97.4 146.0

43 242.1 193.5 290.3

57 1082.1 857.0 1285.6





#41

Tetrahydrofuran

Concen: 10.325 ppbv

RT: 5.549 min Scan# 915

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

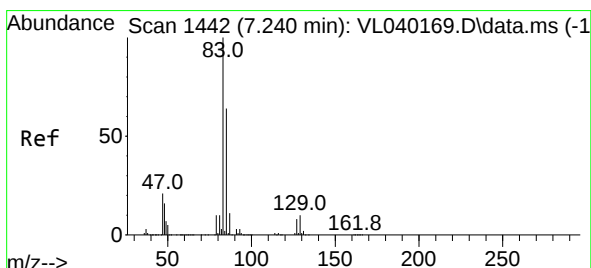
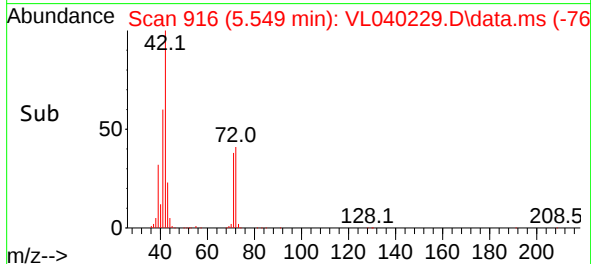
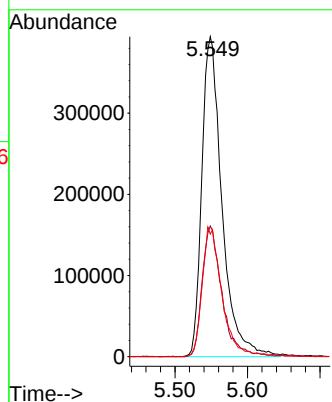
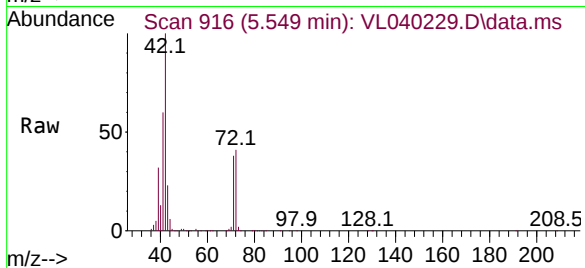
Tgt Ion: 42 Resp: 760386

Ion Ratio Lower Upper

42 100

72 40.6 33.0 49.4

71 40.0 31.4 47.2



#42

Bromodichloromethane

Concen: 10.092 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

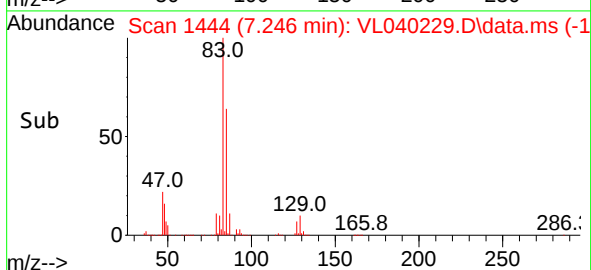
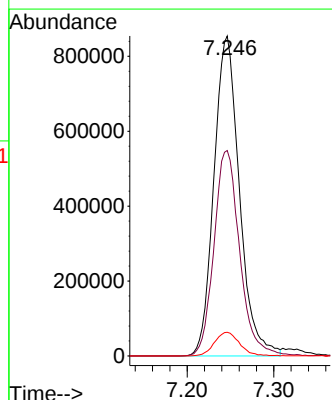
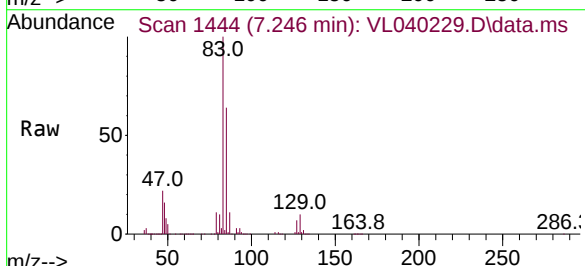
Tgt Ion: 83 Resp: 1746557

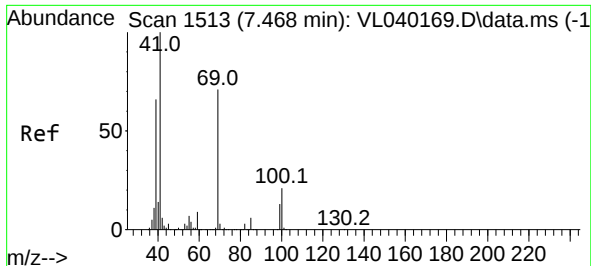
Ion Ratio Lower Upper

83 100

85 64.2 50.9 76.3

127 7.4 6.2 9.2

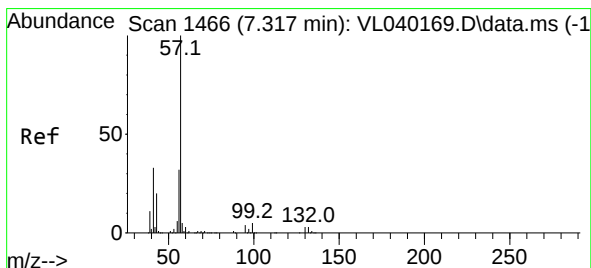
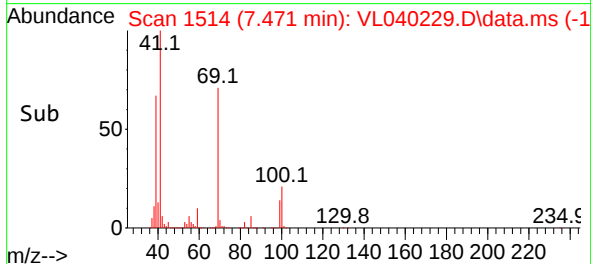
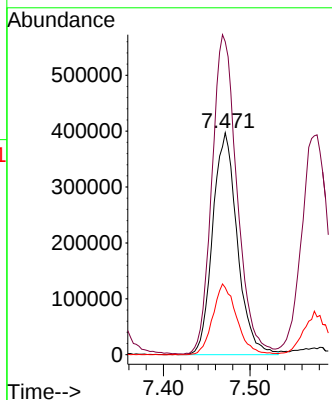
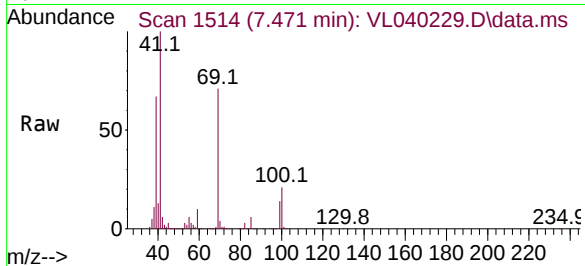




#43
Methyl Methacrylate
Concen: 10.565 ppbv
RT: 7.471 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

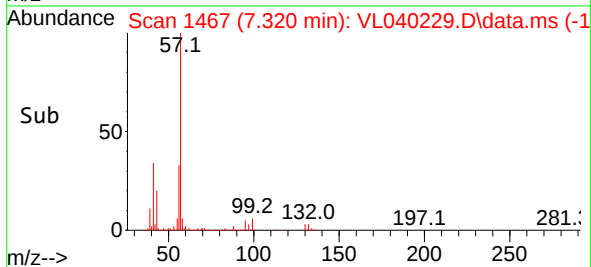
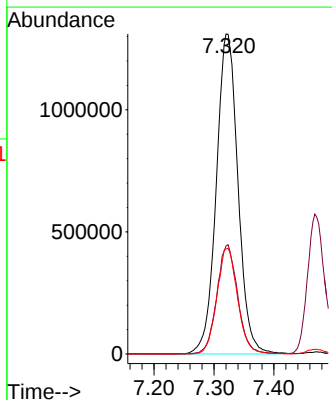
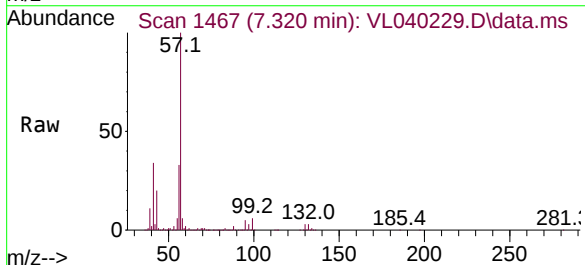
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

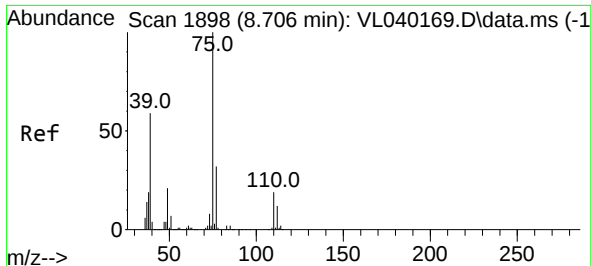
Tgt Ion: 69 Resp: 783766
Ion Ratio Lower Upper
69 100
41 147.1 116.6 174.8
100 31.0 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 9.810 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 57 Resp: 3283144
Ion Ratio Lower Upper
57 100
41 32.9 26.2 39.4
56 31.6 24.9 37.3

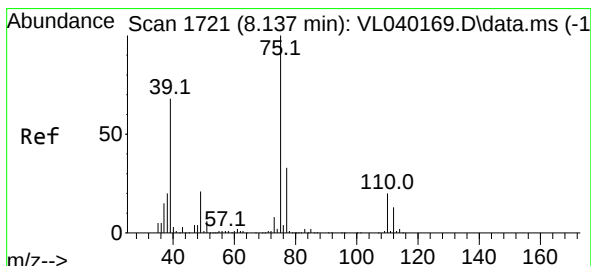
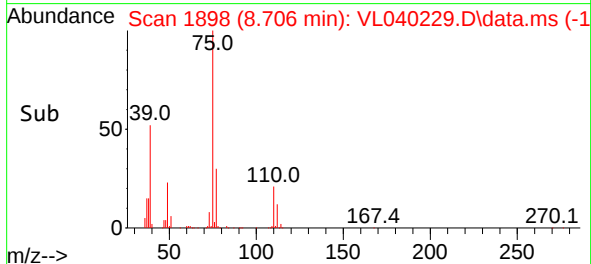
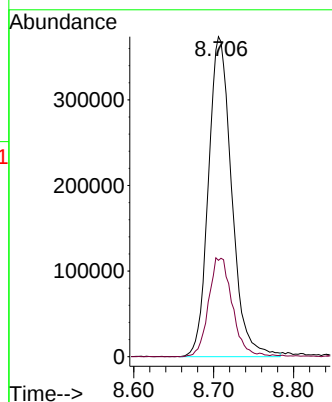
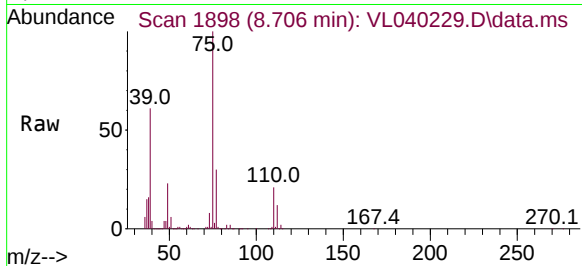




#45
t-1,3-Dichloropropene
Concen: 11.500 ppbv
RT: 8.706 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

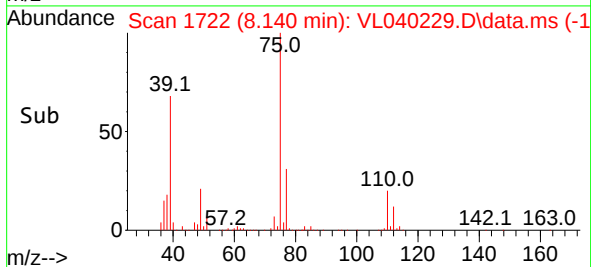
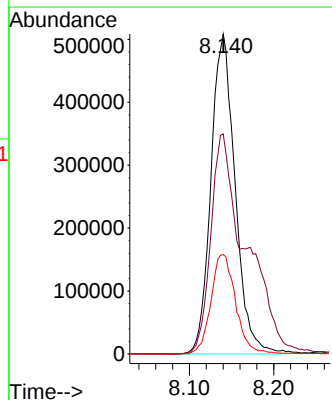
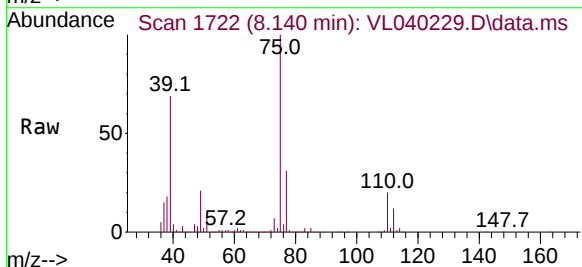
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

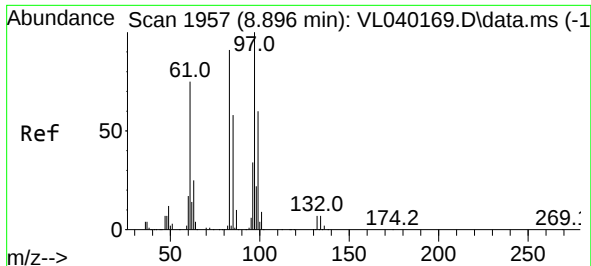
Tgt Ion: 75 Resp: 756743
Ion Ratio Lower Upper
75 100
77 30.1 25.7 38.5



#46
cis-1,3-Dichloropropene
Concen: 11.020 ppbv
RT: 8.140 min Scan# 1722
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 75 Resp: 1010306
Ion Ratio Lower Upper
75 100
39 68.7 54.2 81.2
77 31.0 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 9.752 ppbv

RT: 8.896 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 822608

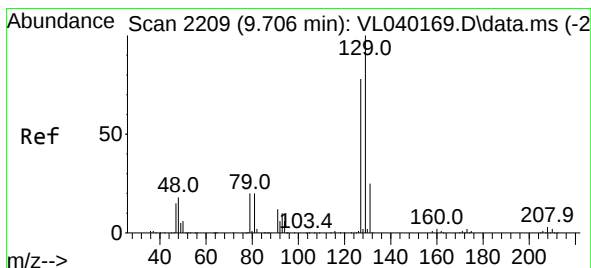
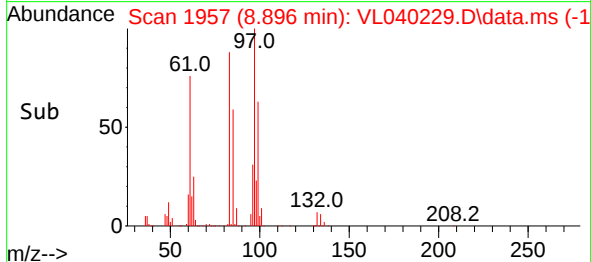
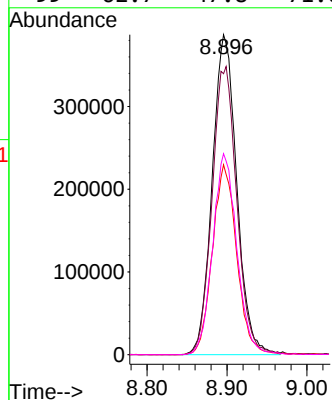
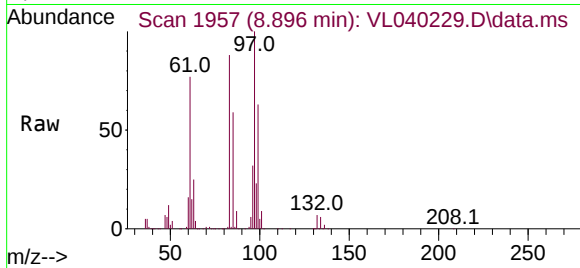
Ion Ratio Lower Upper

97 100

83 87.7 72.8 109.2

85 59.4 46.6 69.8

99 62.7 47.8 71.6



#48

Dibromochloromethane

Concen: 10.437 ppbv

RT: 9.706 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VL040229.D

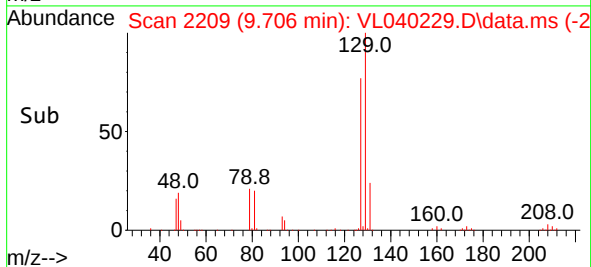
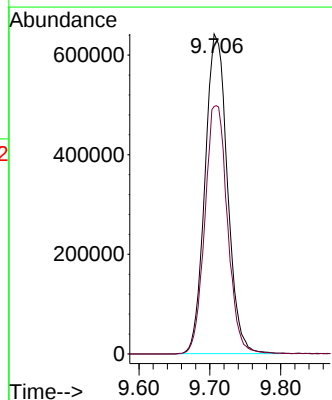
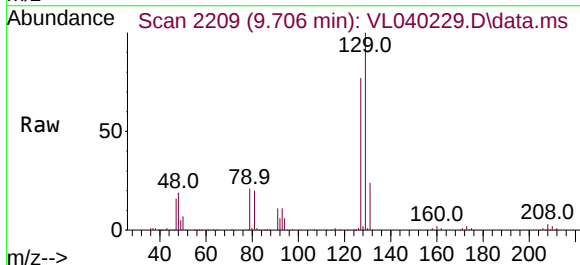
Acq: 27 Feb 2023 10:22

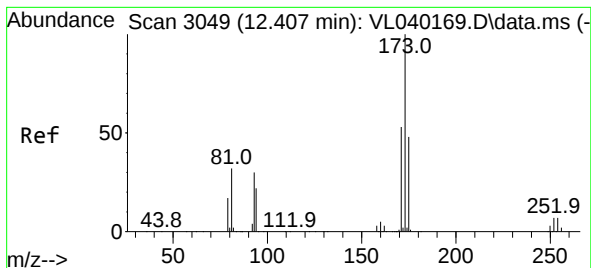
Tgt Ion: 129 Resp: 1408241

Ion Ratio Lower Upper

129 100

127 78.9 39.1 117.2





#49

Bromoform

Concen: 10.577 ppbv

RT: 12.407 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

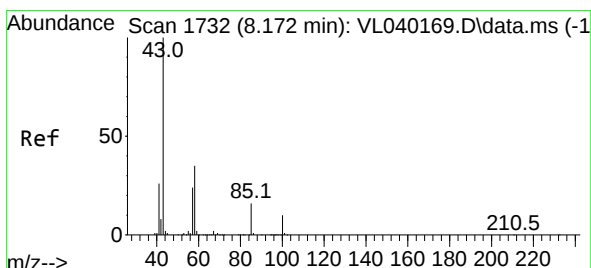
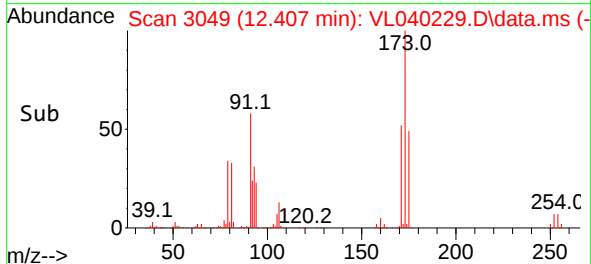
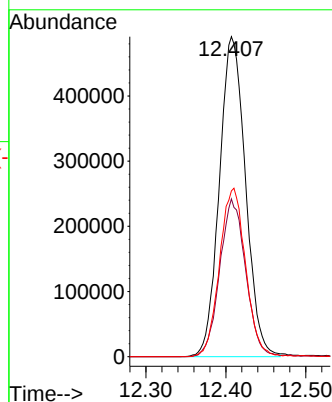
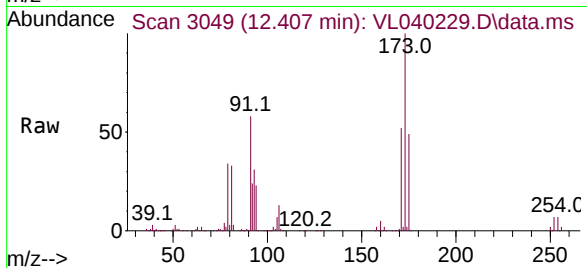
Tgt Ion:173 Resp: 1113826

Ion Ratio Lower Upper

173 100

175 49.1 39.4 59.0

171 52.8 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 10.265 ppbv

RT: 8.175 min Scan# 1733

Delta R.T. 0.000 min

Lab File: VL040229.D

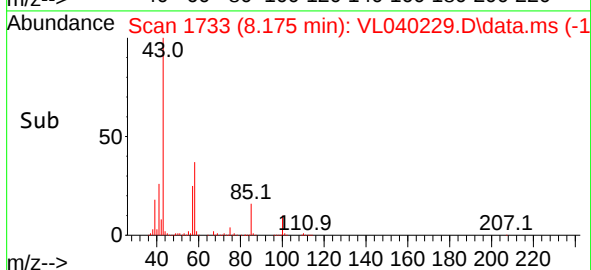
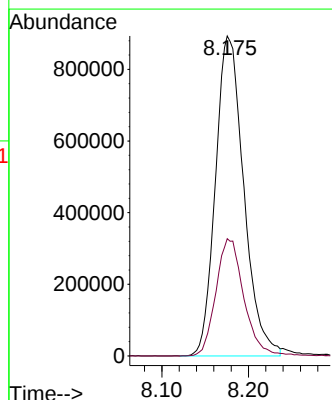
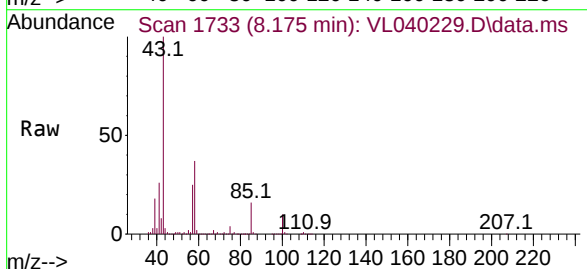
Acq: 27 Feb 2023 10:22

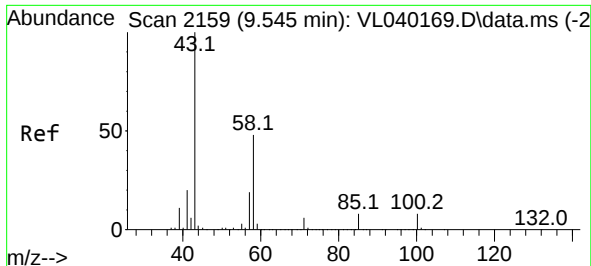
Tgt Ion: 43 Resp: 2025468

Ion Ratio Lower Upper

43 100

58 36.5 29.2 43.8

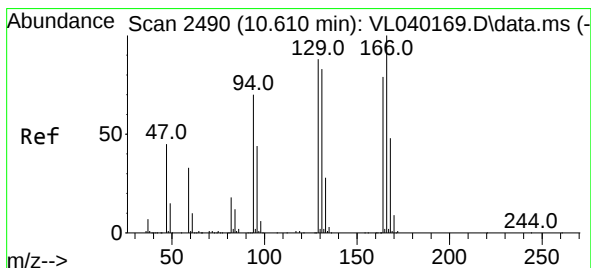
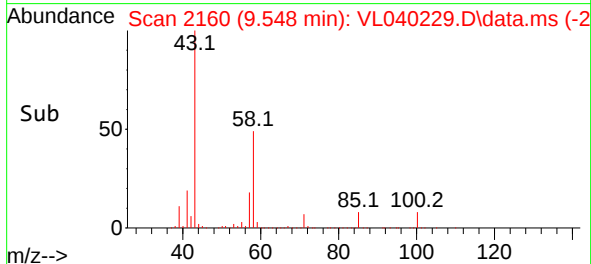
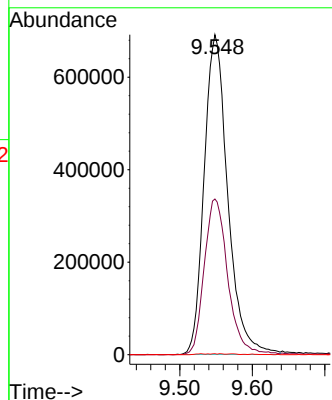
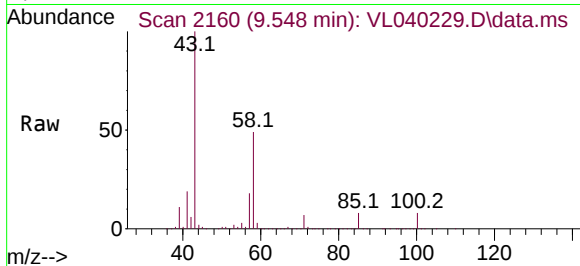




#51
2-Hexanone
Concen: 10.319 ppbv
RT: 9.548 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

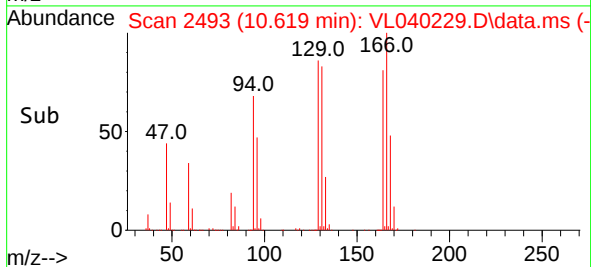
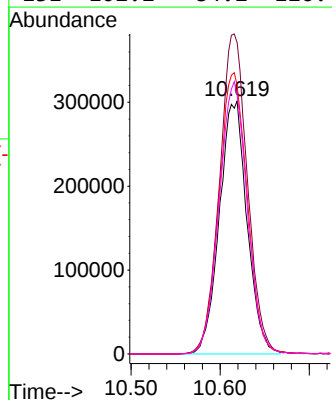
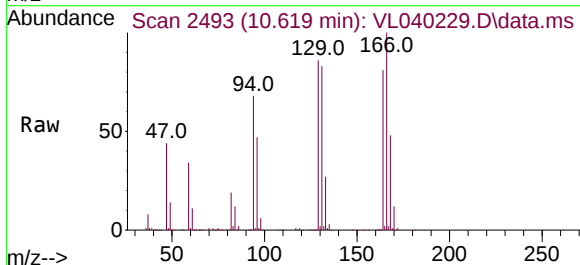
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

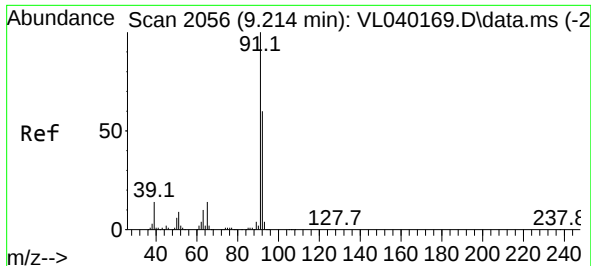
Tgt Ion: 43 Resp: 1565866
Ion Ratio Lower Upper
43 100
58 48.9 39.1 58.7
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.379 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion:164 Resp: 649801
Ion Ratio Lower Upper
164 100
166 123.0 101.5 152.3
129 106.0 89.0 133.4
131 102.2 84.2 126.4

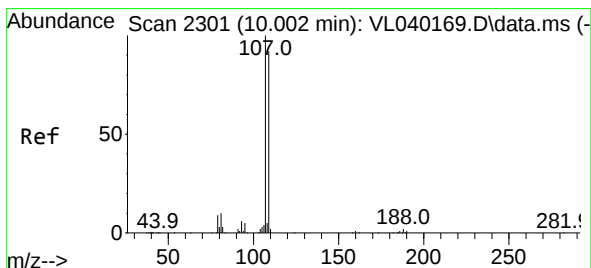
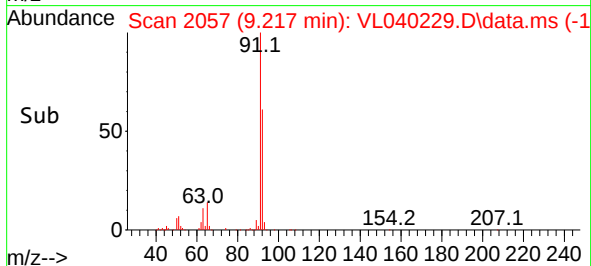
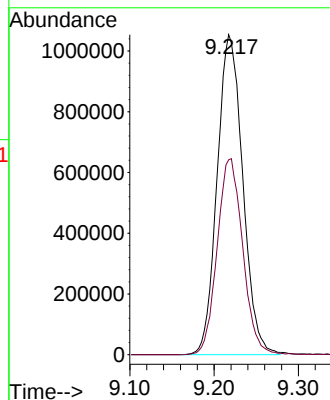
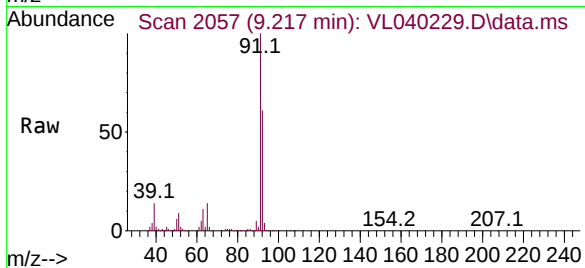




#53
Toluene
Concen: 10.350 ppbv
RT: 9.217 min Scan# 2056
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

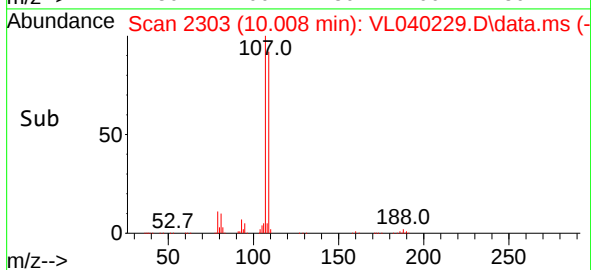
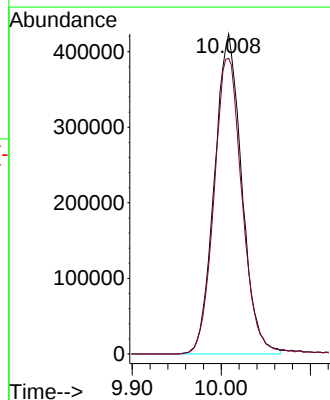
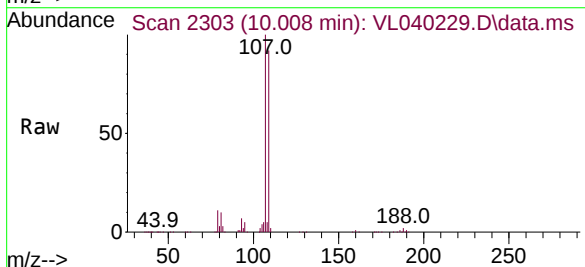
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

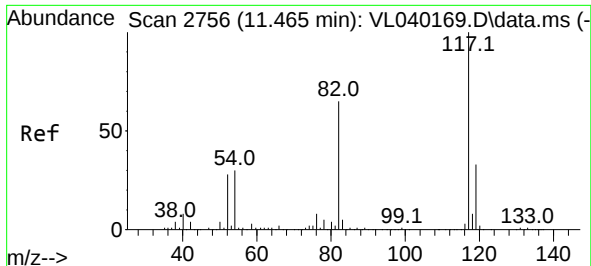
Tgt Ion: 91 Resp: 2222493
Ion Ratio Lower Upper
91 100
92 61.3 48.9 73.3



#54
1,2-Dibromoethane
Concen: 10.280 ppbv
RT: 10.008 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 107 Resp: 902277
Ion Ratio Lower Upper
107 100
109 92.3 73.8 110.8

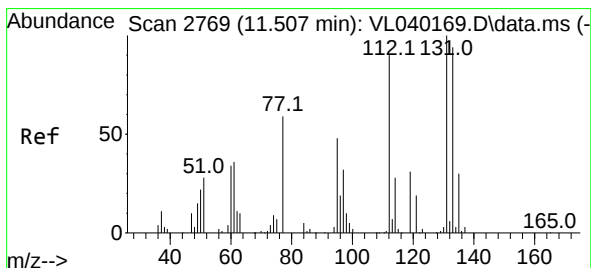
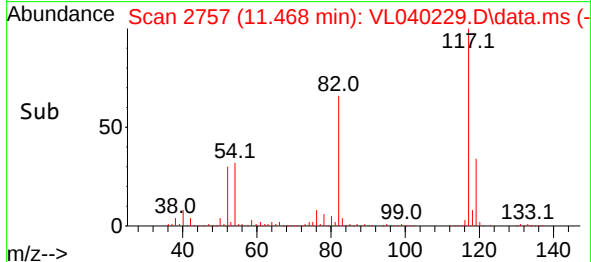
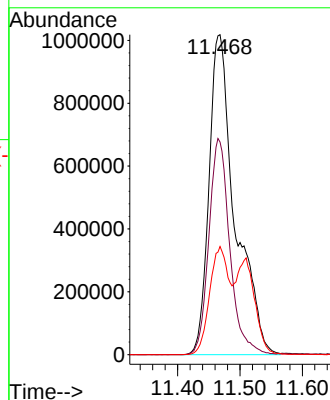
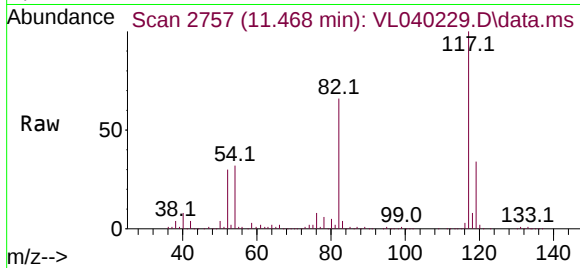




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

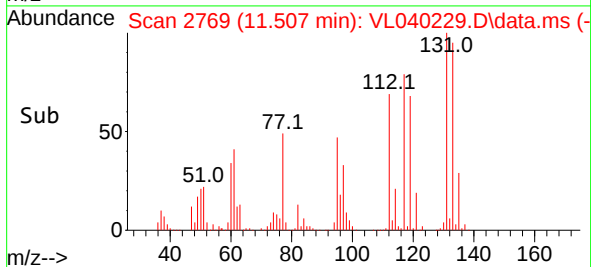
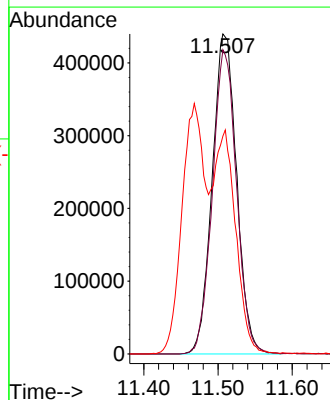
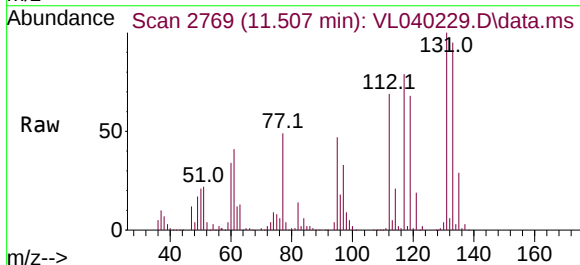
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

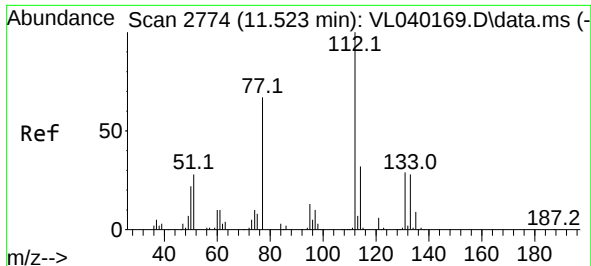
Tgt Ion:117 Resp: 2963012
Ion Ratio Lower Upper
117 100
82 54.2 53.3 79.9
119 24.9 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.087 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion:131 Resp: 1005822
Ion Ratio Lower Upper
131 100
133 94.1 76.2 114.2
119 64.8 45.4 68.0

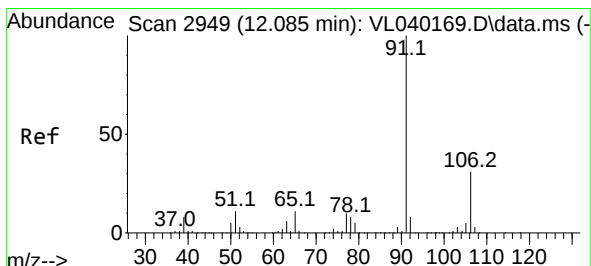
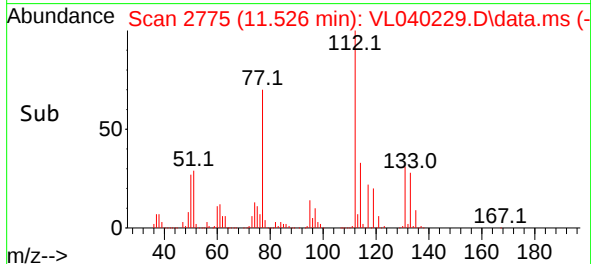
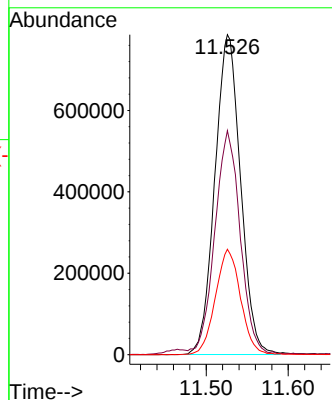
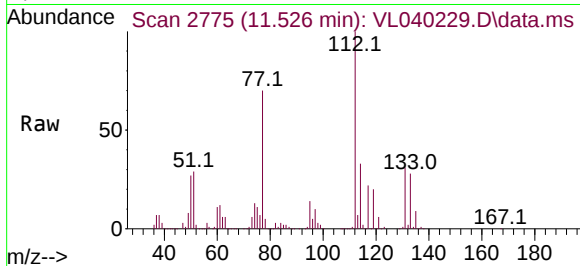




#57
Chlorobenzene
Concen: 7.897 ppbv
RT: 11.526 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

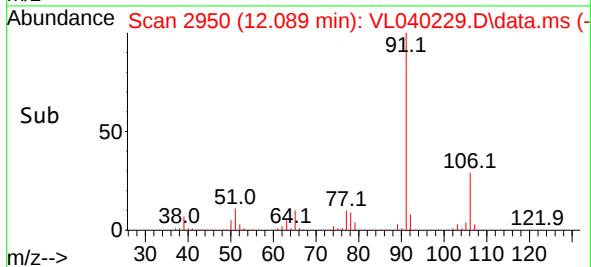
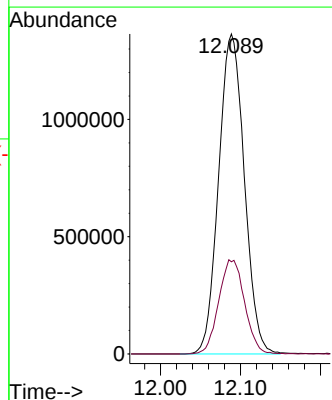
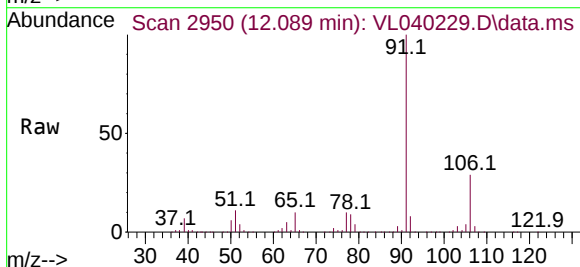
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

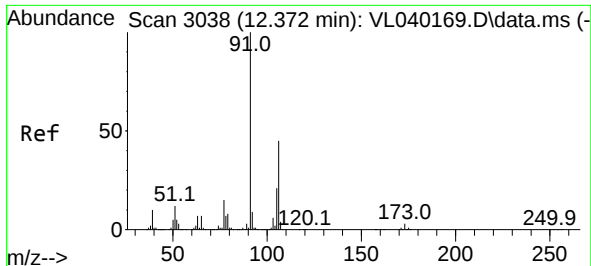
Tgt Ion:112 Resp: 1709532
Ion Ratio Lower Upper
112 100
77 69.6 55.0 82.4
114 32.9 29.0 35.4



#58
Ethyl Benzene
Concen: 8.442 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 91 Resp: 3039285
Ion Ratio Lower Upper
91 100
106 28.8 24.9 37.3





#59

m/p-Xylene

Concen: 8.768 ppbv

RT: 12.375 min Scan# 3038

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_1

ClientSampleId :

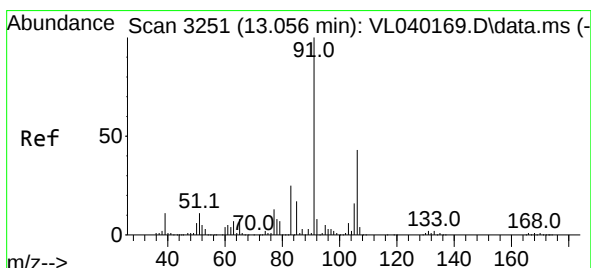
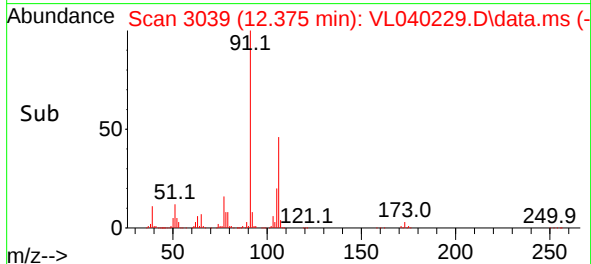
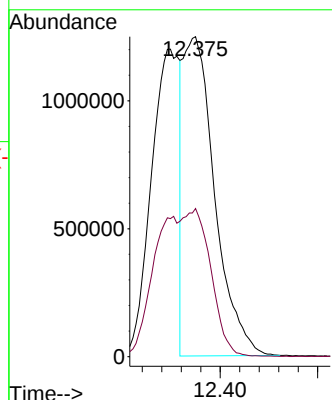
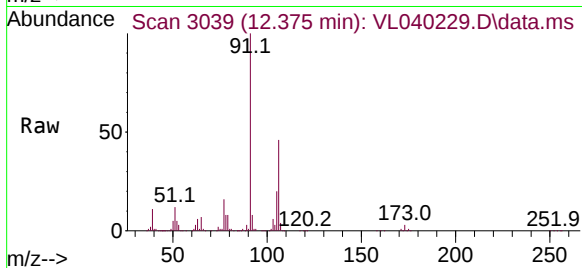
VSTDCCC010

Tgt Ion: 91 Resp: 2795715

Ion Ratio Lower Upper

91 100

106 80.2 34.6 51.8#



#60

o-Xylene

Concen: 8.192 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. 0.000 min

Lab File: VL040229.D

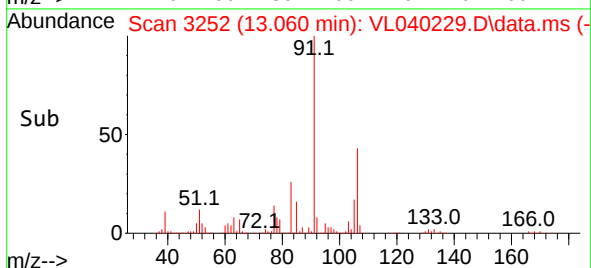
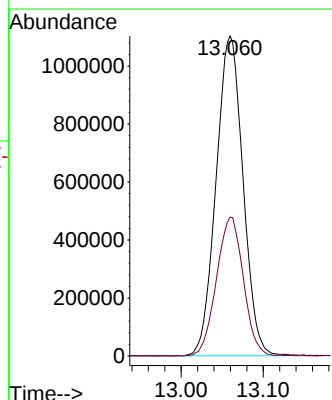
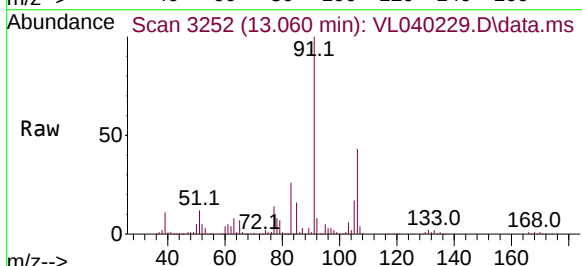
Acq: 27 Feb 2023 10:22

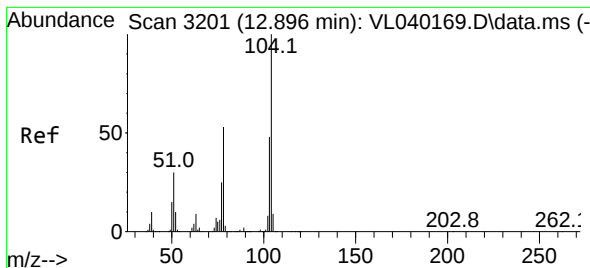
Tgt Ion: 91 Resp: 2513431

Ion Ratio Lower Upper

91 100

106 43.6 21.6 65.0





#61

Styrene

Concen: 8.871 ppbv

RT: 12.896 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

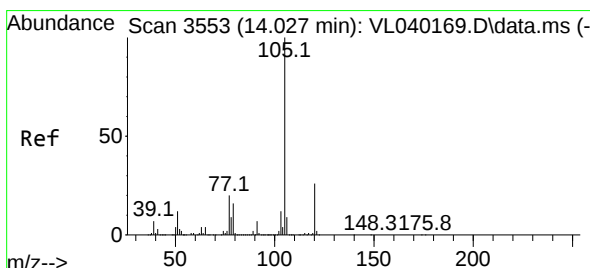
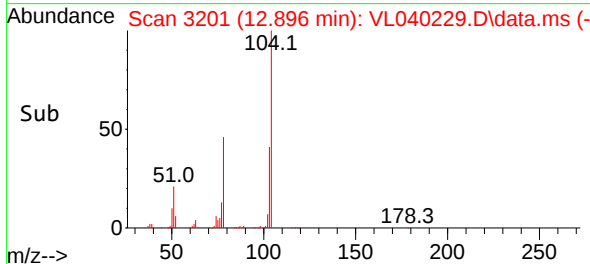
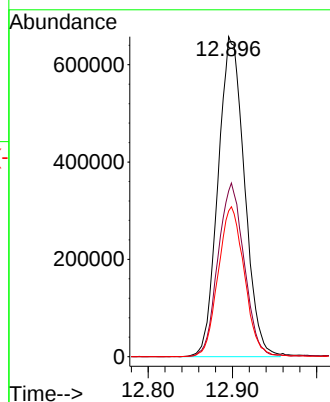
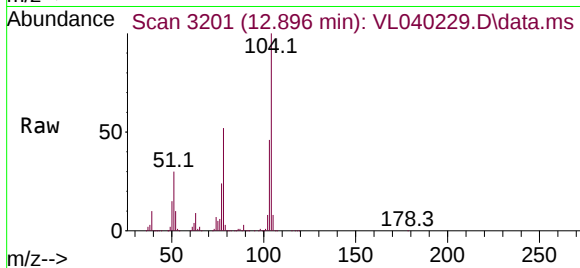
Tgt Ion:104 Resp: 1428890

Ion Ratio Lower Upper

104 100

78 53.8 42.3 63.5

103 46.8 37.5 56.3



#62

Isopropylbenzene

Concen: 7.971 ppbv

RT: 14.027 min Scan# 3553

Delta R.T. 0.000 min

Lab File: VL040229.D

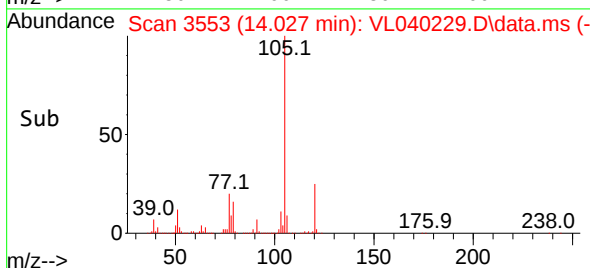
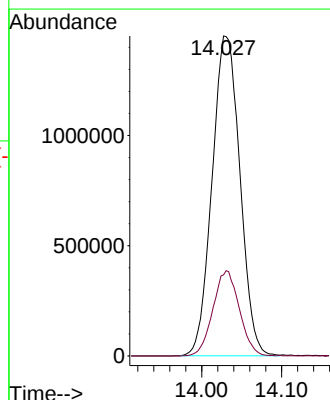
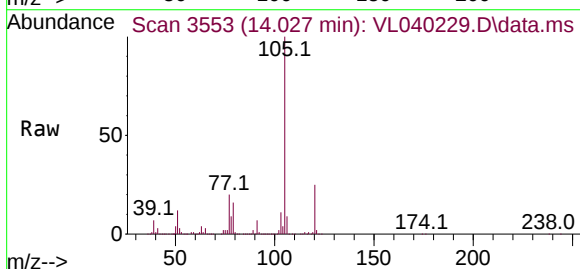
Acq: 27 Feb 2023 10:22

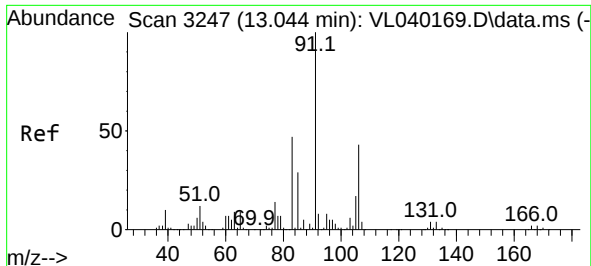
Tgt Ion:105 Resp: 3510507

Ion Ratio Lower Upper

105 100

120 25.3 20.3 30.5

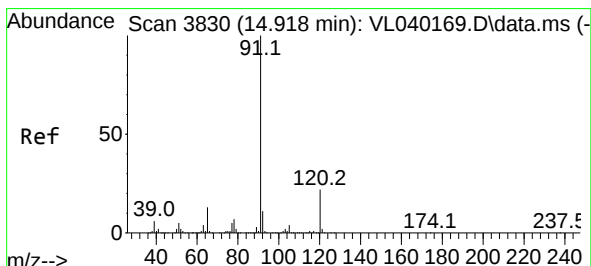
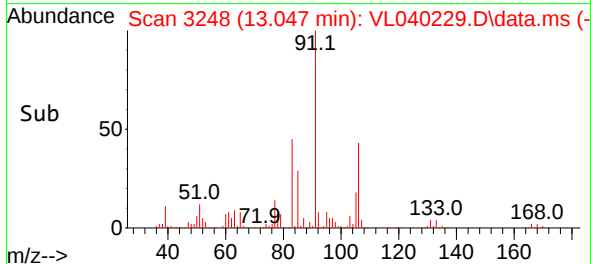
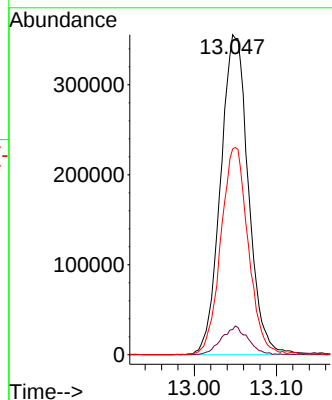
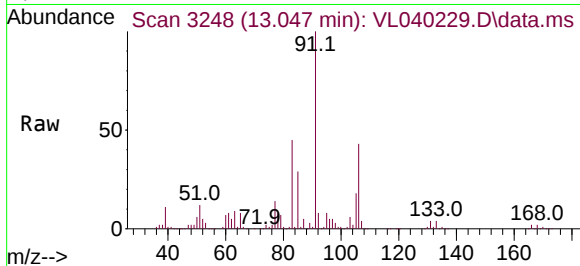




#63
1,1,2,2-Tetrachloroethane
Concen: 7.524 ppbv
RT: 13.047 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

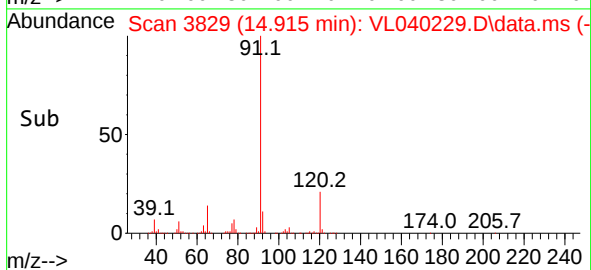
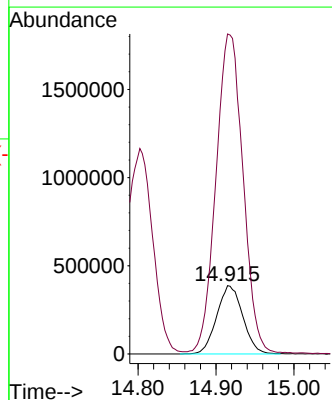
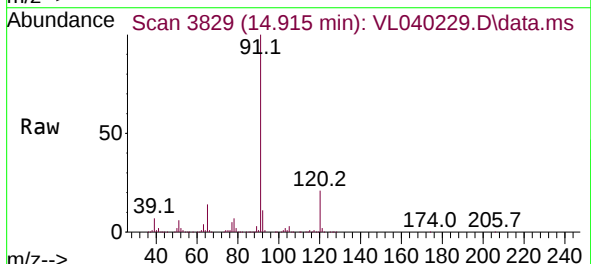
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

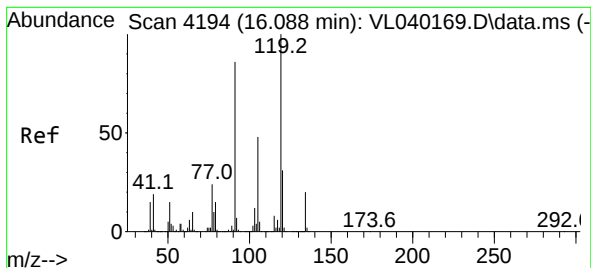
Tgt Ion: 83 Resp: 831921
Ion Ratio Lower Upper
83 100
131 8.6 4.4 13.2
85 64.8 33.0 99.0



#64
n-propylbenzene
Concen: 8.243 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion:120 Resp: 898531
Ion Ratio Lower Upper
120 100
91 491.0 389.8 584.8

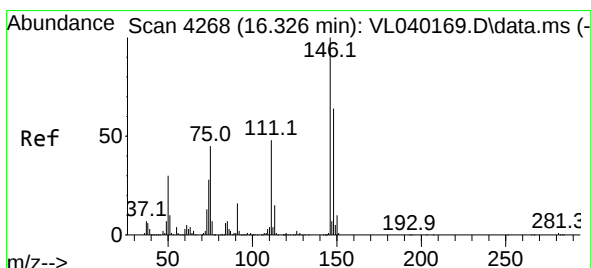
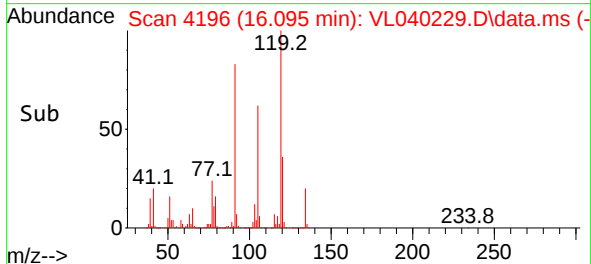
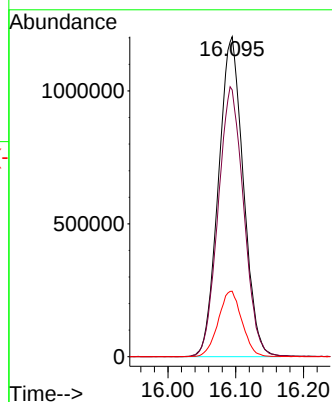
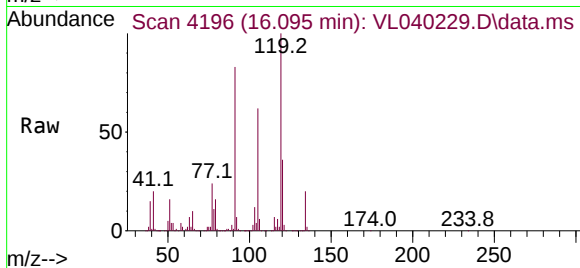




#65
tert-Butylbenzene
Concen: 8.029 ppbv
RT: 16.095 min Scan# 4194
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

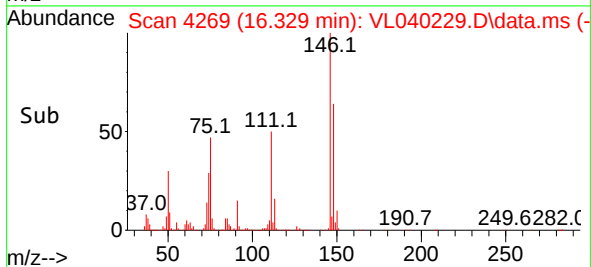
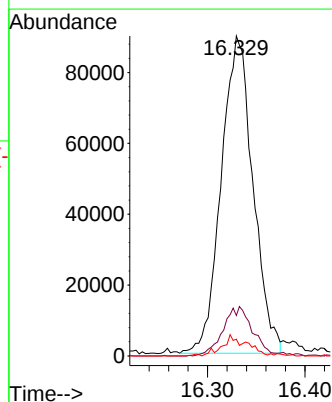
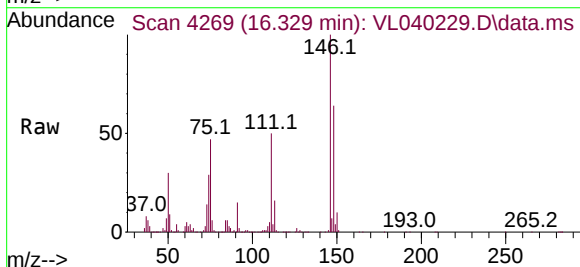
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

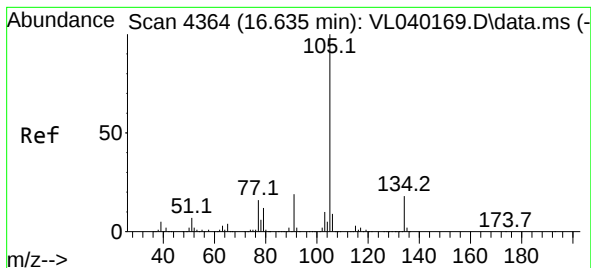
Tgt Ion:119 Resp: 3073557
Ion Ratio Lower Upper
119 100
91 86.4 68.6 102.8
134 19.5 15.9 23.9



#66
Benzyl Chloride
Concen: 7.958 ppbv
RT: 16.329 min Scan# 4269
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 91 Resp: 202720
Ion Ratio Lower Upper
91 100
126 15.0 13.1 19.7
128 5.4 4.1 6.1





#67

sec-Butylbenzene

Concen: 7.932 ppbv

RT: 16.638 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_1

ClientSampleId :

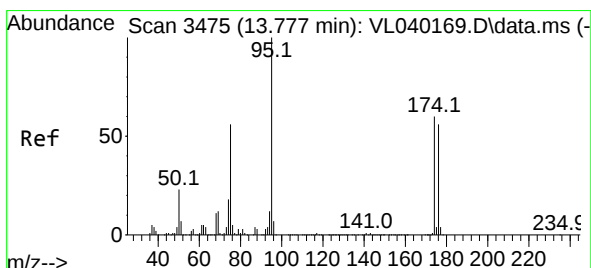
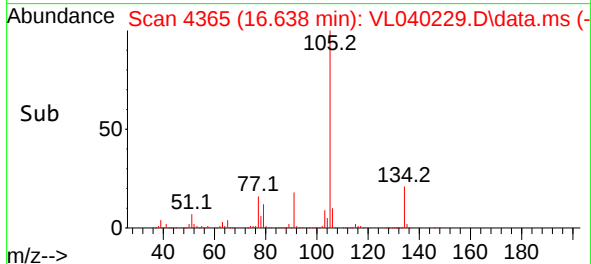
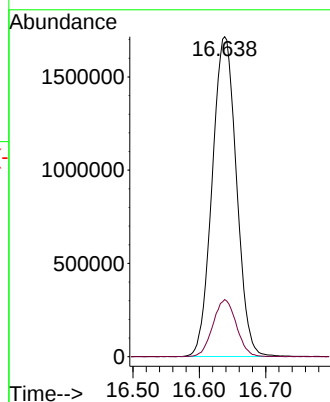
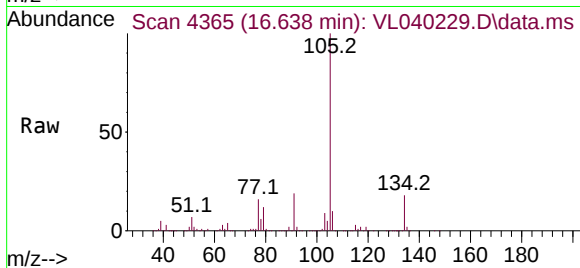
VSTDCCC010

Tgt Ion:105 Resp: 4354493

Ion Ratio Lower Upper

105 100

134 17.2 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 7.897 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

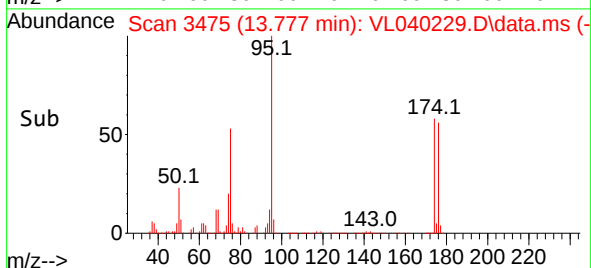
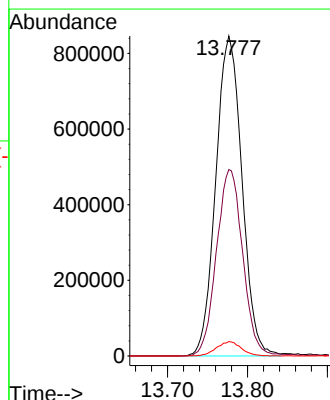
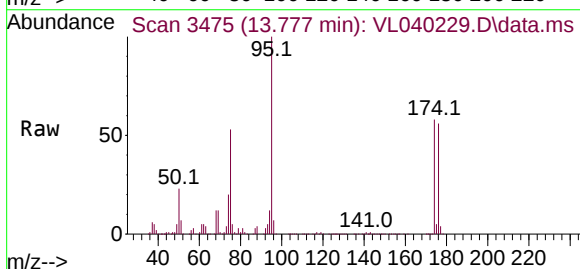
Tgt Ion: 95 Resp: 1924182

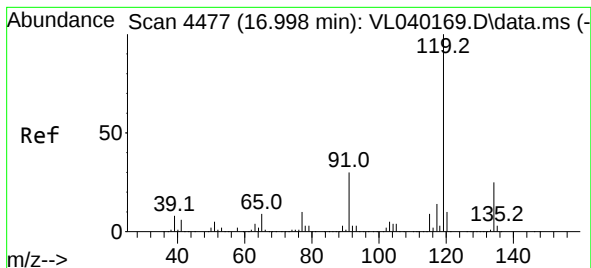
Ion Ratio Lower Upper

95 100

174 58.5 48.2 72.2

175 4.3 3.4 5.2





#69

p-Isopropyltoluene

Concen: 7.954 ppbv

RT: 16.998 min Scan# 4477

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

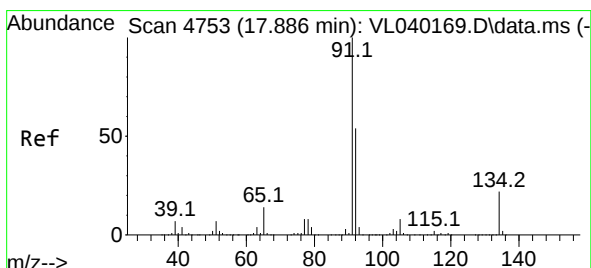
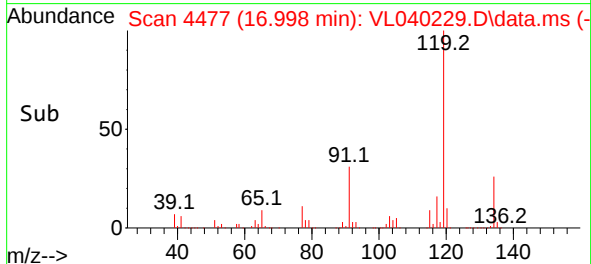
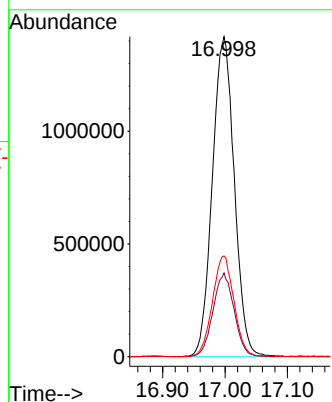
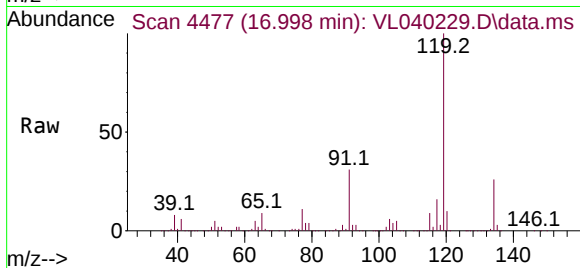
Tgt Ion:119 Resp: 3461951

Ion Ratio Lower Upper

119 100

134 25.2 20.2 30.2

91 31.0 24.7 37.1



#70

n-Butylbenzene

Concen: 7.967 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

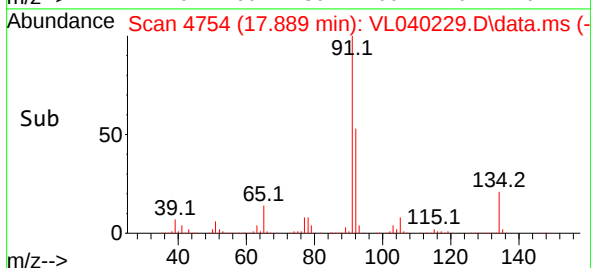
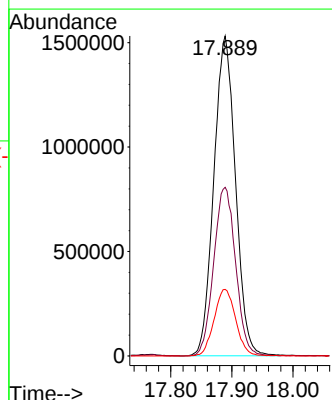
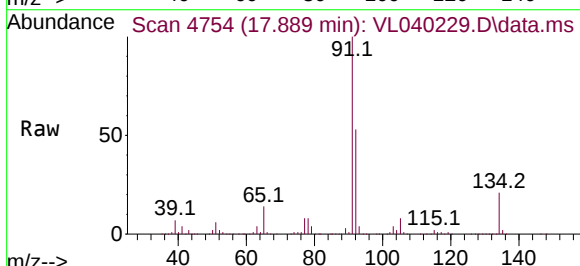
Tgt Ion: 91 Resp: 3763803

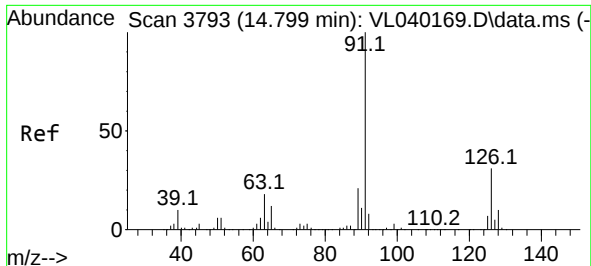
Ion Ratio Lower Upper

91 100

92 53.4 43.0 64.6

134 20.9 16.9 25.3

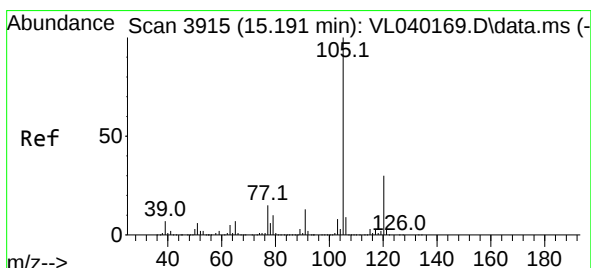
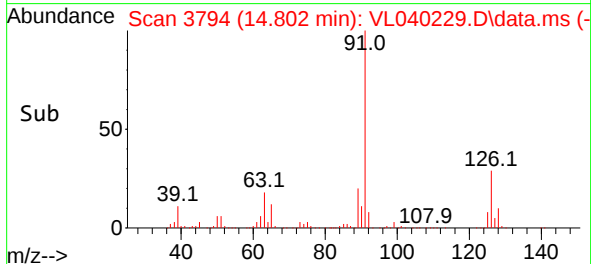
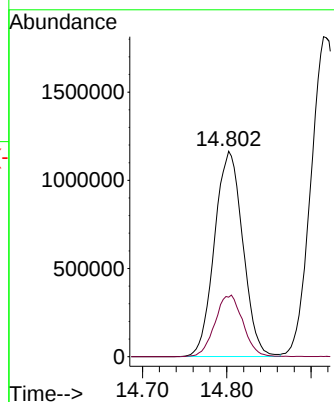
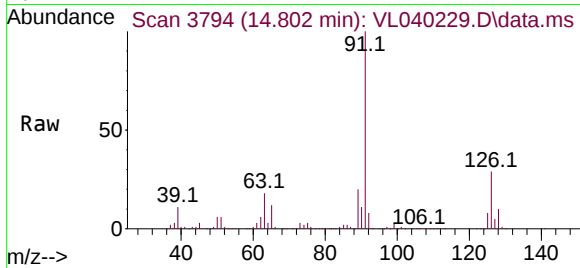




#71
2-Chlorotoluene
Concen: 8.068 ppbv
RT: 14.802 min Scan# 3794
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

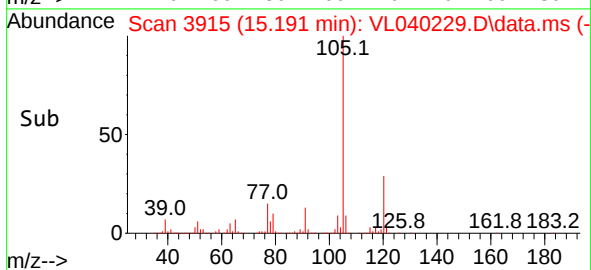
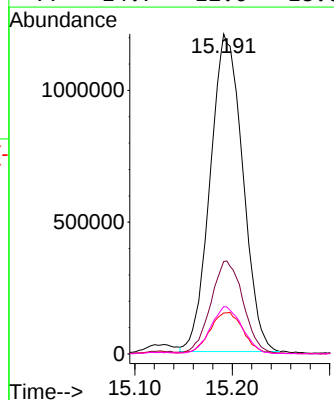
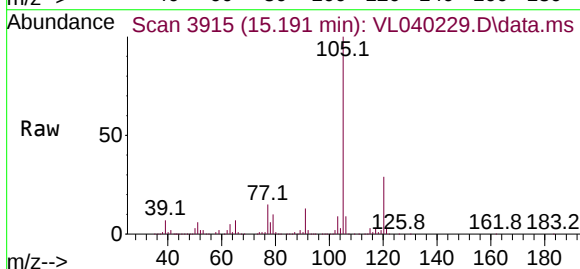
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

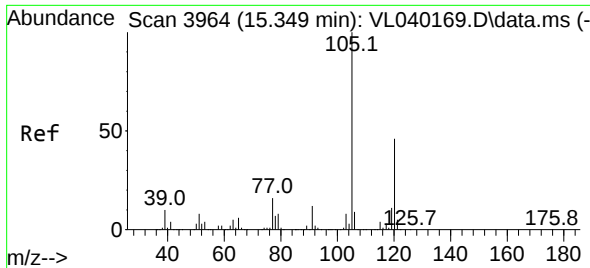
Tgt Ion: 91 Resp: 2717328
Ion Ratio Lower Upper
91 100
126 29.7 12.0 48.2



#72
4-Ethyltoluene
Concen: 8.220 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion: 105 Resp: 2788112
Ion Ratio Lower Upper
105 100
120 29.4 23.2 34.8
91 13.6 11.3 16.9
77 14.7 12.0 18.0

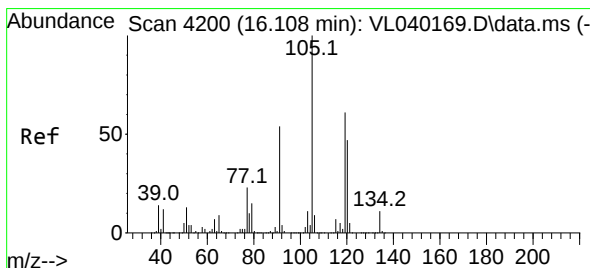
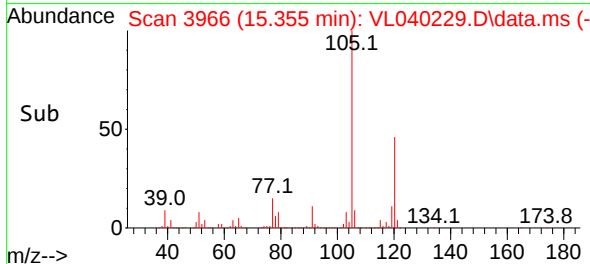
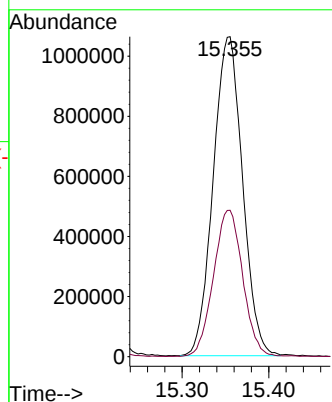
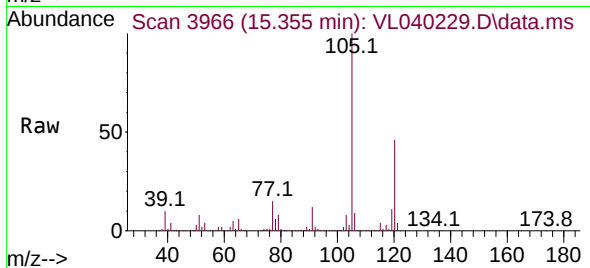




#73
1,3,5-Trimethylbenzene
Concen: 7.922 ppbv
RT: 15.355 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

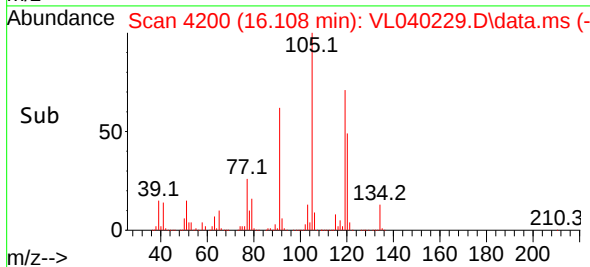
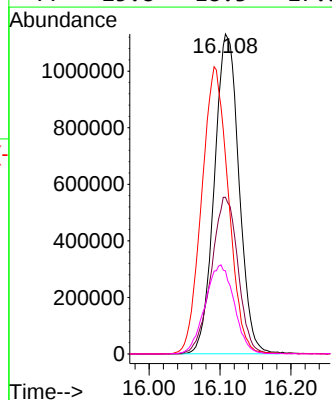
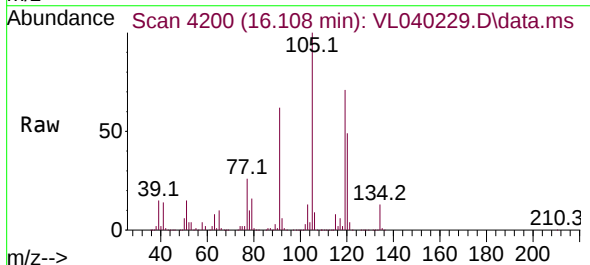
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

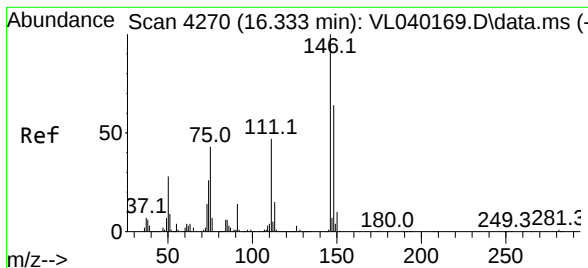
Tgt Ion:105 Resp: 2500086
Ion Ratio Lower Upper
105 100
120 45.8 36.8 55.2



#74
1,2,4-Trimethylbenzene
Concen: 7.866 ppbv
RT: 16.108 min Scan# 4200
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion:105 Resp: 2726912
Ion Ratio Lower Upper
105 100
120 48.8 37.9 56.9
91 61.3 43.7 65.5
77 25.8 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 7.789 ppbv

RT: 16.336 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

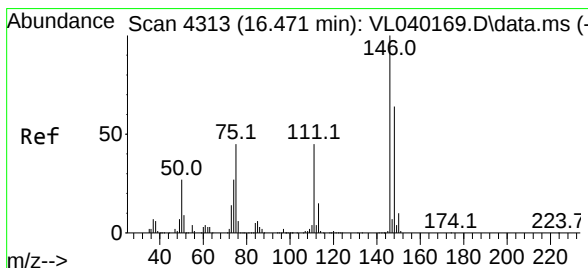
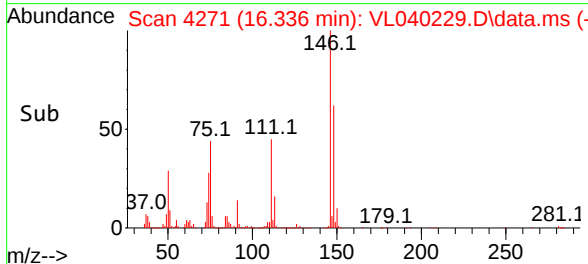
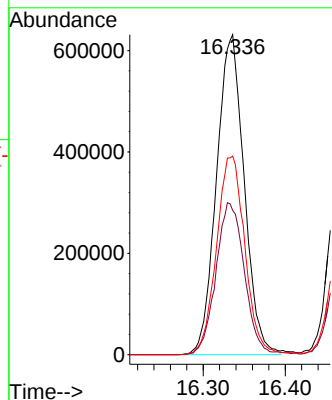
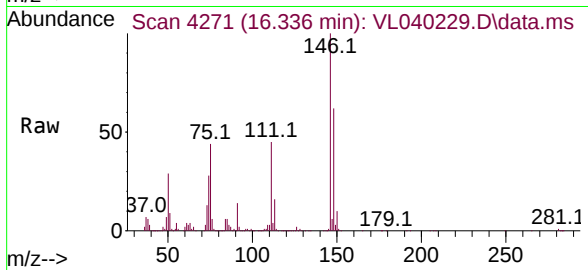
Tgt Ion:146 Resp: 1477624

Ion Ratio Lower Upper

146 100

111 49.1 23.9 71.8

148 64.0 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 7.778 ppbv

RT: 16.474 min Scan# 4314

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

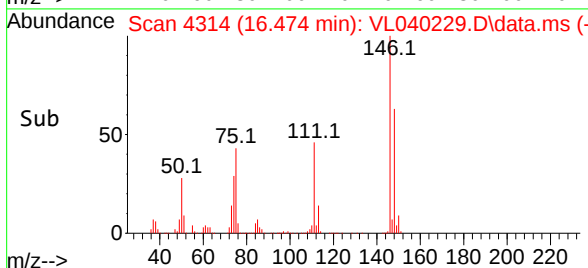
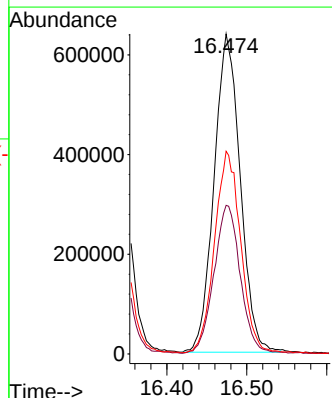
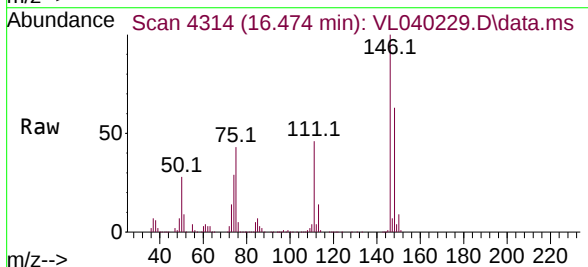
Tgt Ion:146 Resp: 1445878

Ion Ratio Lower Upper

146 100

111 47.5 23.5 70.5

148 64.8 32.5 97.4

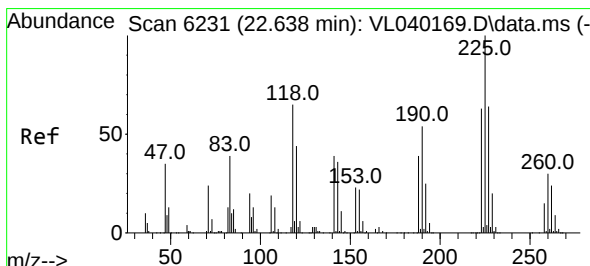
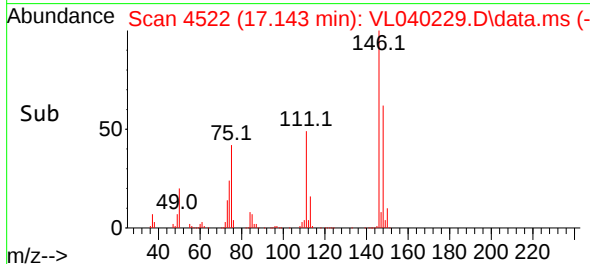
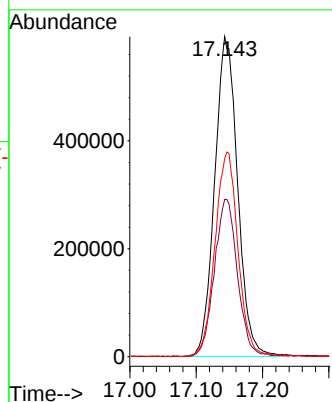
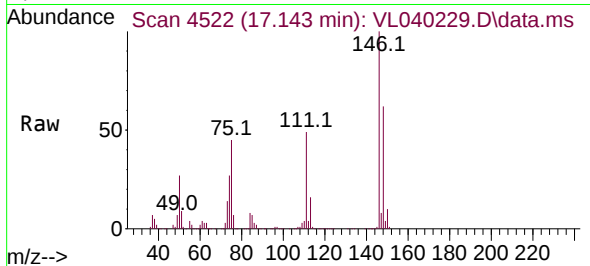




#77
1,2-Dichlorobenzene
Concen: 7.556 ppbv
RT: 17.143 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

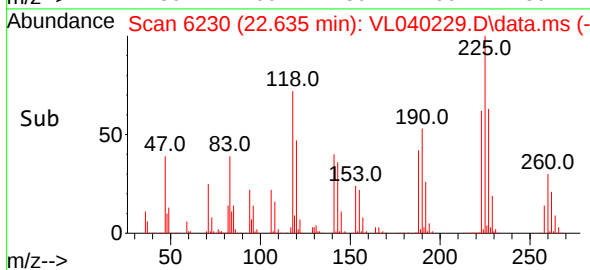
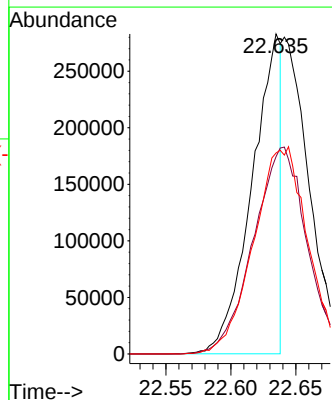
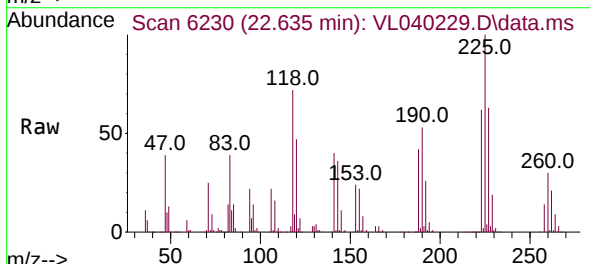
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

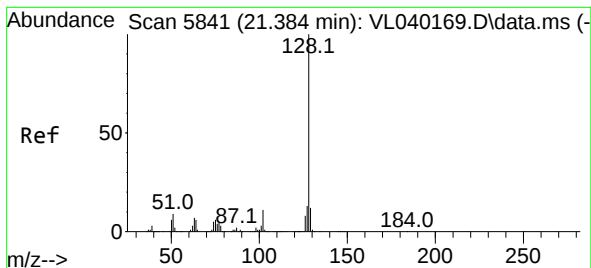
Tgt Ion:146 Resp: 1423899
Ion Ratio Lower Upper
146 100
111 49.8 25.3 75.8
148 64.1 32.0 96.2



#78
Hexachloro-1,3-Butadiene
Concen: 3.384 ppbv
RT: 22.635 min Scan# 6230
Delta R.T. 0.000 min
Lab File: VL040229.D
Acq: 27 Feb 2023 10:22

Tgt Ion:225 Resp: 438051
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.2 76.8#





#79

Naphthalene

Concen: 8.088 ppbv

RT: 21.390 min Scan# 5843

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

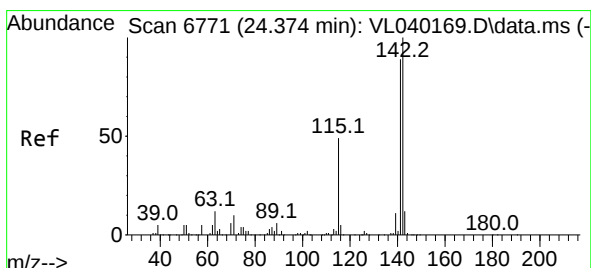
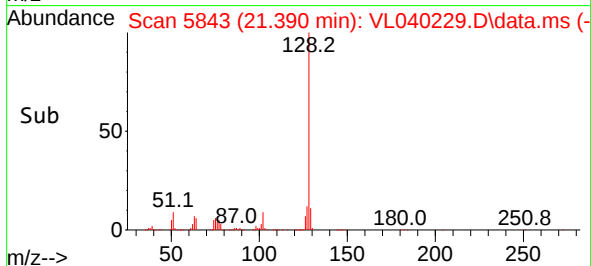
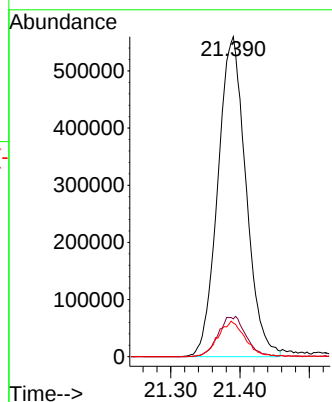
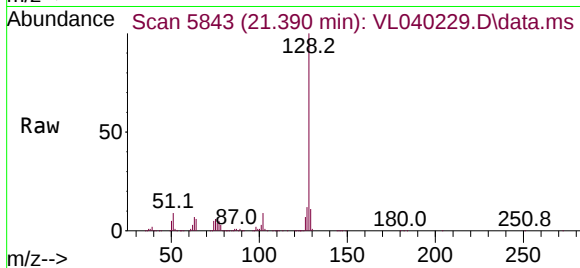
Tgt Ion:128 Resp: 1575089

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.4

129 10.5 9.4 14.0



#80

Naphthalene,2-methyl-

Concen: 6.126 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. 0.000 min

Lab File: VL040229.D

Acq: 27 Feb 2023 10:22

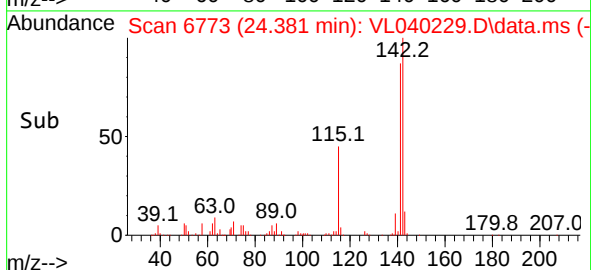
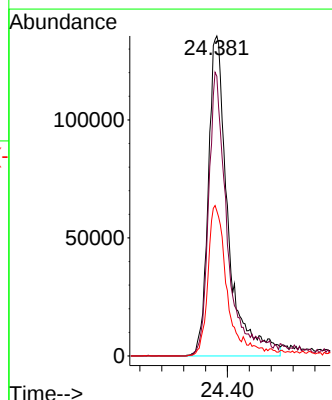
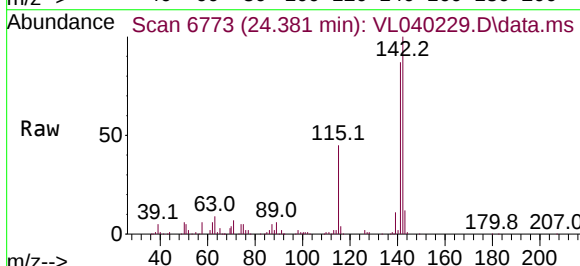
Tgt Ion:142 Resp: 339272

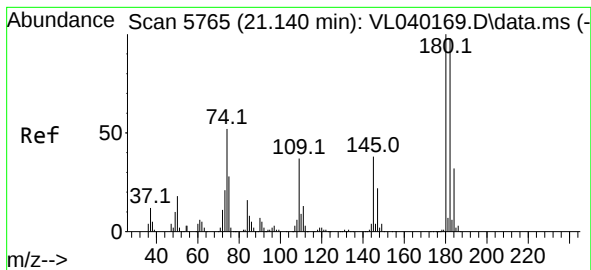
Ion Ratio Lower Upper

142 100

141 88.1 67.3 100.9

115 45.7 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 7.082 ppbv

RT: 21.146 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL040229.D

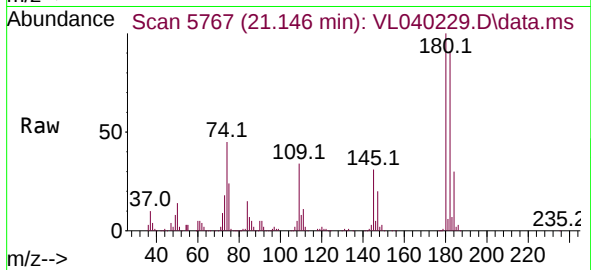
Acq: 27 Feb 2023 10:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 863113

Ion Ratio Lower Upper

180 100

182 96.5 79.0 118.6

184 30.9 24.6 36.8

