

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080423\
 Data File : VL040584.D
 Acq On : 4 Aug 2023 8:30
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Aug 05 01:06:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1248462	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.648	114	3073088	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.468	117	2926433	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2500464	10.796	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	2343433	9.384	ppbv	100
3) Chlorodifluoromethane	2.664	51	1785245	9.021	ppbv	96
4) Chloromethane	2.803	50	693272	8.844	ppbv	95
5) Vinyl Chloride	2.912	62	783470	9.518	ppbv	99
6) Bromomethane	3.111	94	324989	9.354	ppbv	94
7) Chloroethane	3.189	64	272923	9.450	ppbv	95
8) Dichlorotetrafluoroethane	2.848	85	1947777	9.480	ppbv	99
9) Propene	2.684	41	554748	8.189	ppbv	100
10) Heptane	7.574	43	1372358	9.174	ppbv	99
11) Trichlorofluoromethane	3.555	101	2079132	10.318	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.060	101	1447056	10.197	ppbv	96
13) Ethanol	3.234	45	115605	7.843	ppbv	94
14) Bromoethene	3.359	108	609127	9.982	ppbv	99
15) Acetone	3.459	43	1339499	9.321	ppbv	98
16) 1,3-Butadiene	2.976	39	705507	9.731	ppbv	96
17) tert-Butyl alcohol	3.870	59	1543837	10.386	ppbv	100
18) 1,1-Dichloroethene	3.870	96	663955	10.177	ppbv	98
19) Isopropyl Alcohol	3.565	45	892821	10.822	ppbv #	96
20) Methylene Chloride	3.925	84	590922	9.667	ppbv	96
21) Allyl Chloride	3.989	41	788215	9.605	ppbv	94
22) trans-1,2-Dichloroethene	4.436	96	653557	10.153	ppbv	98
23) Vinyl Acetate	4.619	43	1340586	9.792	ppbv	99
24) 1,1-Dichloroethane	4.555	63	1362465	9.804	ppbv	99
25) Ethyl Acetate	5.198	43	2526484	9.234	ppbv	99
26) Hexane	5.205	57	1128724	8.880	ppbv	98
27) Carbon Disulfide	4.118	76	1672328	11.186	ppbv	100
28) Methyl tert-Butyl Ether	4.578	73	968947	9.469	ppbv	100
29) Chloroform	5.269	83	1965224	9.322	ppbv	97
30) Cyclohexane	6.597	84	931452	8.807	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	1152116	9.170	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	1994662	9.670	ppbv	99
34) 2-Butanone	4.780	43	1509116	9.938	ppbv	98
35) Carbon Tetrachloride	6.487	117	2050585	11.088	ppbv	98
36) Benzene	6.365	78	2308021	9.334	ppbv	97
37) 1,2-Dichloroethane	5.803	62	1512868	10.400	ppbv	97
38) Trichloroethene	7.285	130	941970	10.072	ppbv	95
39) 1,2-Dichloropropane	7.069	63	914168	9.604	ppbv	94
40) 1,4-Dioxane	7.282	88	308671	10.368	ppbv #	29
41) Tetrahydrofuran	5.552	42	852010	9.615	ppbv	98
42) Bromodichloromethane	7.246	83	2133393	10.545	ppbv	98
43) Methyl Methacrylate	7.471	69	947773	10.240	ppbv	97
44) 2,2,4-Trimethylpentane	7.323	57	3853043	9.685	ppbv	97
45) t-1,3-Dichloropropene	8.709	75	639743	10.775	ppbv	96

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

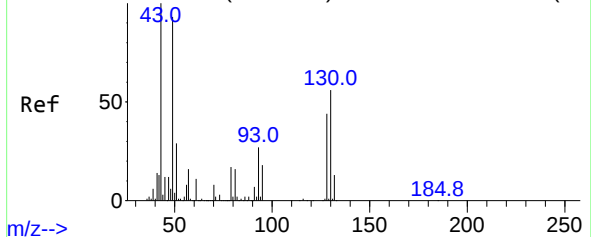
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Aug 05 01:06:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	774512	10.168	ppbv	95
47) 1,1,2-Trichloroethane	8.899	97	991831	9.444	ppbv	99
48) Dibromochloromethane	9.709	129	1730664	10.658	ppbv	99
49) Bromoform	12.407	173	1417723	11.013	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2265027	10.266	ppbv	97
51) 2-Hexanone	9.548	43	1616388	10.360	ppbv #	98
52) Tetrachloroethene	10.613	164	793315	9.907	ppbv	96
53) Toluene	9.220	91	2666049	9.926	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1297737	9.941	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	1293685	9.871	ppbv	97
57) Chlorobenzene	11.526	112	2097295	9.190	ppbv	97
58) Ethyl Benzene	12.088	91	3658844	9.963	ppbv	97
59) m/p-Xylene	12.371	91	3668569	11.192	ppbv #	50
60) o-Xylene	13.056	91	3138548	10.051	ppbv	99
61) Styrene	12.896	104	1533492	10.647	ppbv	98
62) Isopropylbenzene	14.027	105	4528467	9.676	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.047	83	2232472	10.209	ppbv	100
64) n-propylbenzene	14.915	120	1174025	9.696	ppbv	93
65) tert-Butylbenzene	16.092	119	3999613	9.653	ppbv	95
66) Benzyl Chloride	16.326	91	340988	11.634	ppbv	95
67) sec-Butylbenzene	16.635	105	5777309	9.490	ppbv	99
69) p-Isopropyltoluene	16.995	119	4685693	9.314	ppbv	98
70) n-Butylbenzene	17.886	91	5254285	9.365	ppbv	99
71) 2-Chlorotoluene	14.799	91	3578662	9.922	ppbv	98
72) 4-Ethyltoluene	15.194	105	3658134	9.994	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	3197870	9.912	ppbv	96
74) 1,2,4-Trimethylbenzene	16.108	105	3637451	9.670	ppbv	96
75) 1,3-Dichlorobenzene	16.329	146	2050511	8.991	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	2009339	8.985	ppbv	98
77) 1,2-Dichlorobenzene	17.143	146	1984423	9.099	ppbv	99
78) Hexachloro-1,3-Butadiene	22.631	225	1435624	7.010	ppbv	99
79) Naphthalene	21.384	128	2952532	9.277	ppbv	98
80) Naphthalene,2-methyl-	24.371	142	933286	7.112	ppbv	98
81) 1,2,4-Trichlorobenzene	21.140	180	1717577	7.831	ppbv	100

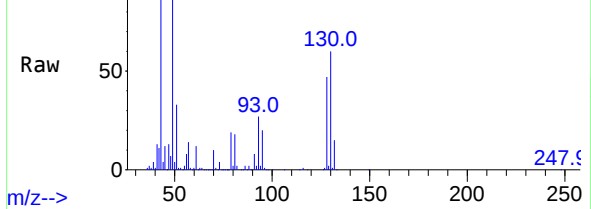
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Abundance Scan 804 (5.189 min): VL040455.D\data.ms (-78)



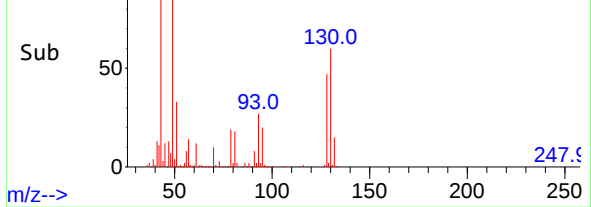
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Abundance Scan 803 (5.185 min): VL040584.D\data.ms



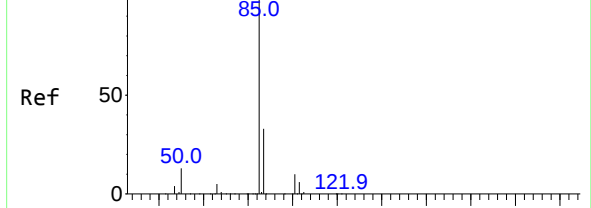
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Abundance Scan 803 (5.185 min): VL040584.D\data.ms (-65)



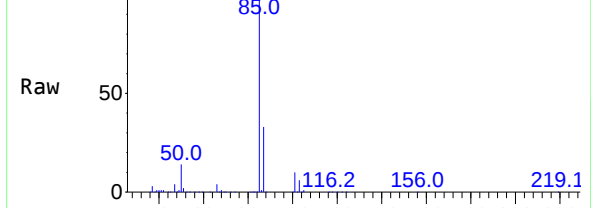
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Abundance Scan 35 (2.716 min): VL040455.D\data.ms (-25)



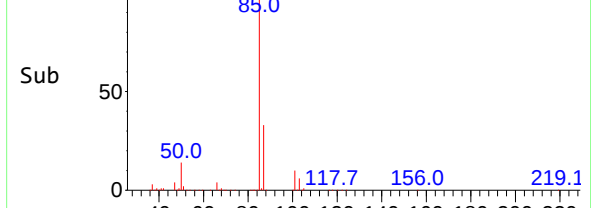
m/z-->

Abundance Scan 36 (2.719 min): VL040584.D\data.ms



m/z-->

Abundance Scan 36 (2.719 min): VL040584.D\data.ms (-1)



m/z-->

#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.185 min Scan# 80

Delta R.T. -0.017 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

Tgt Ion: 49 Resp: 1248462

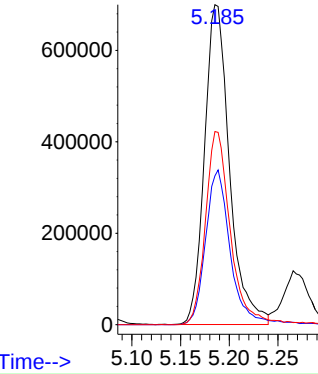
Ion Ratio Lower Upper

49 100

128 48.5 25.1 75.4

130 61.1 31.6 94.7

Abundance



Time-->

#2

Dichlorodifluoromethane

Concen: 9.384 ppbv

RT: 2.719 min Scan# 36

Delta R.T. -0.019 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

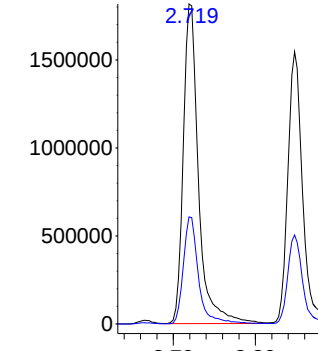
Tgt Ion: 85 Resp: 2343433

Ion Ratio Lower Upper

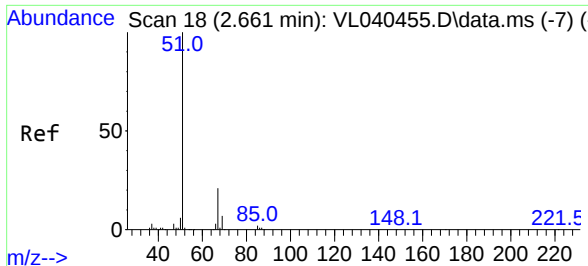
85 100

87 33.5 26.8 40.2

Abundance



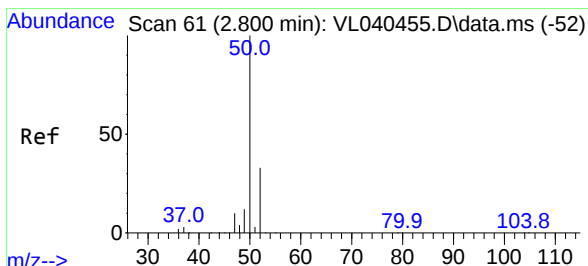
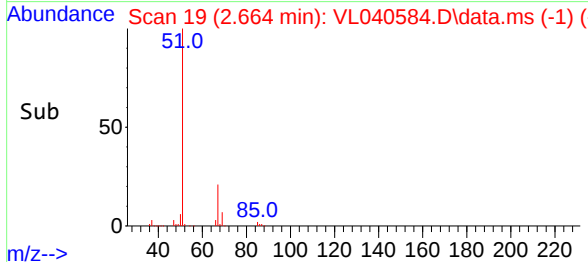
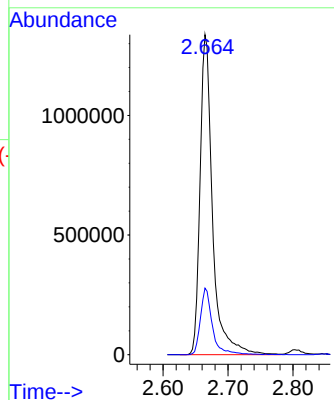
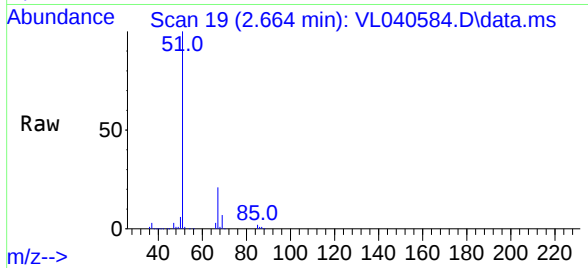
Time-->



#3
Chlorodifluoromethane
Concen: 9.021 ppbv
RT: 2.664 min Scan# 19
Delta R.T. -0.019 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

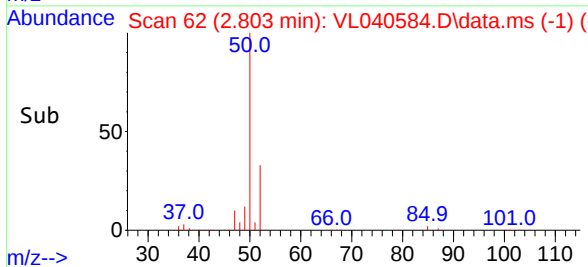
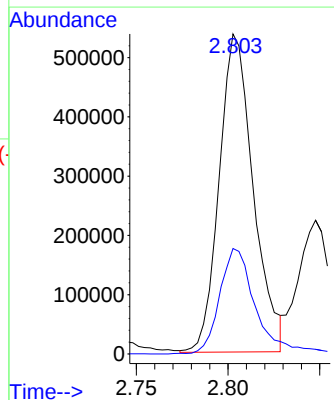
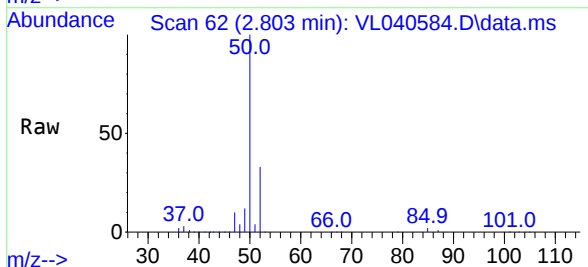
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1785245
Ion Ratio Lower Upper
51 100
67 20.1 14.6 21.8

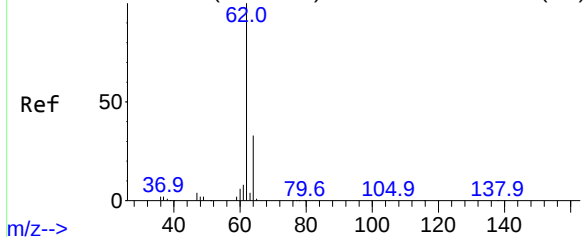


#4
Chloromethane
Concen: 8.844 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.020 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 50 Resp: 693272
Ion Ratio Lower Upper
50 100
52 33.1 24.4 36.6



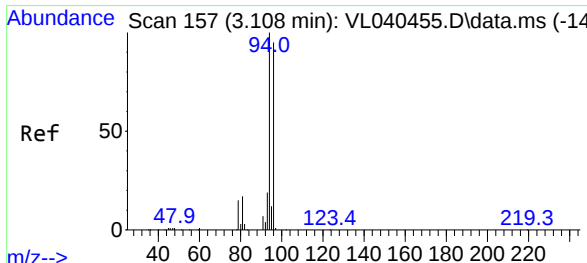
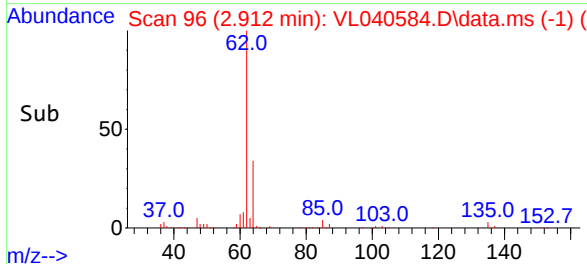
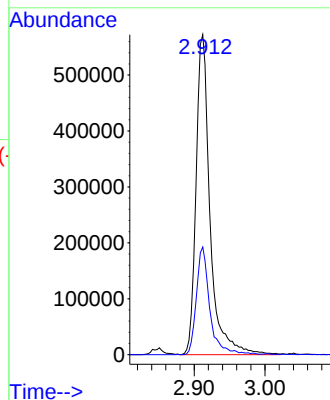
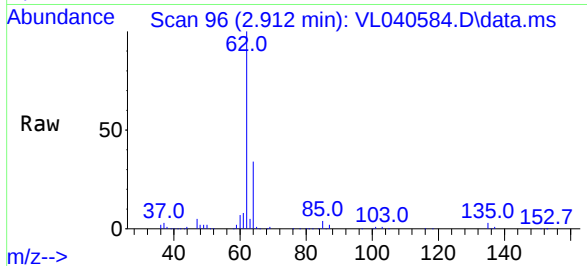
Abundance Scan 94 (2.906 min): VL040455.D\data.ms (-85)



#5
Vinyl Chloride
Concen: 9.518 ppbv
RT: 2.912 min Scan# 90
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

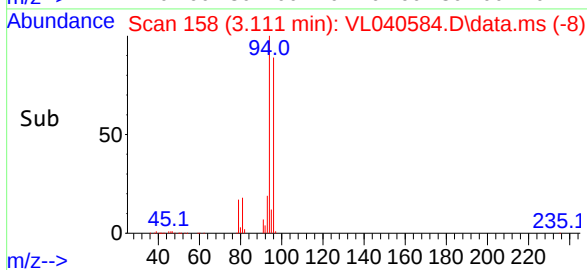
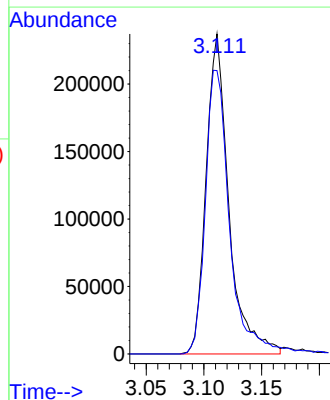
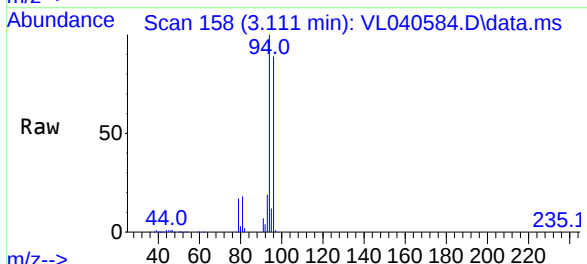
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

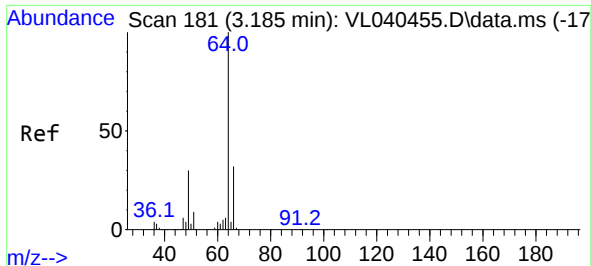
Tgt Ion: 62 Resp: 783470
Ion Ratio Lower Upper
62 100
64 33.6 26.4 39.6



#6
Bromomethane
Concen: 9.354 ppbv
RT: 3.111 min Scan# 158
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 94 Resp: 324989
Ion Ratio Lower Upper
94 100
96 88.6 75.7 113.5

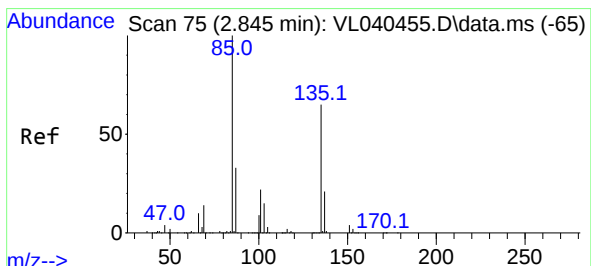
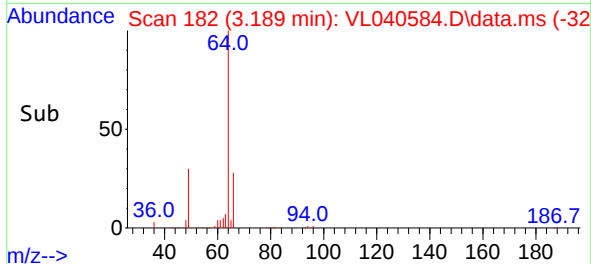
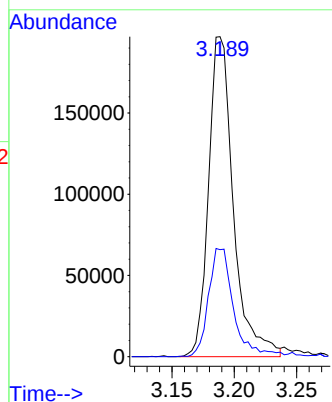
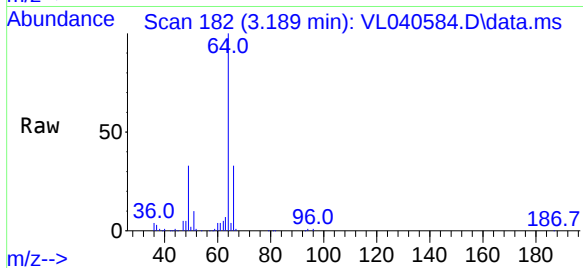




#7
Chloroethane
Concen: 9.450 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

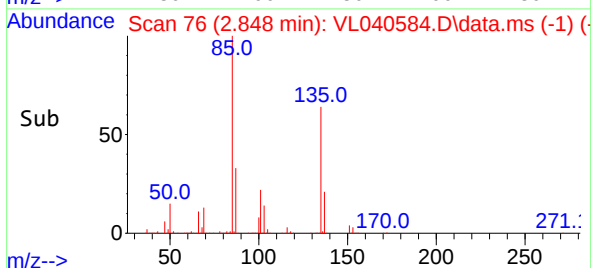
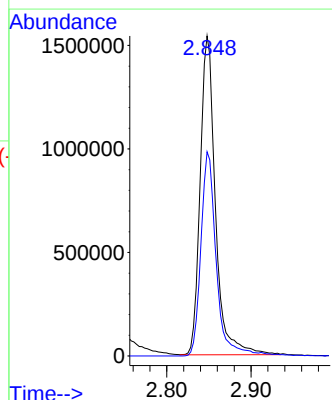
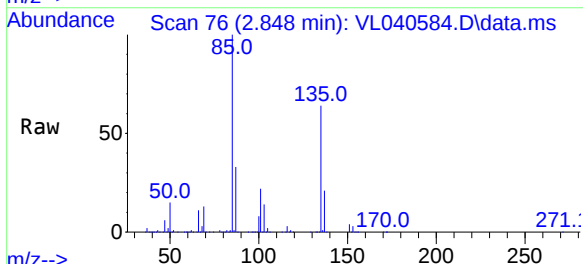
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 272923
Ion Ratio Lower Upper
64 100
66 33.4 24.4 36.6

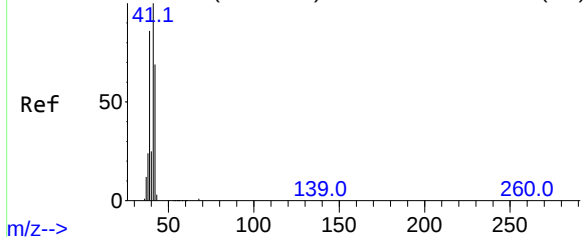


#8
Dichlorotetrafluoroethane
Concen: 9.480 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.019 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 85 Resp: 1947777
Ion Ratio Lower Upper
85 100
135 65.1 52.4 78.6



Abundance Scan 23 (2.677 min): VL040455.D\data.ms (-15)



#9

Propene

Concen: 8.189 ppbv

RT: 2.684 min Scan# 21

Delta R.T. -0.019 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

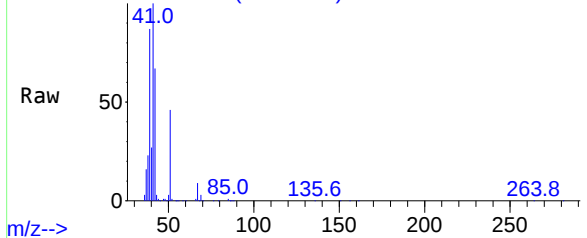
Tgt Ion: 41 Resp: 554748

Ion Ratio Lower Upper

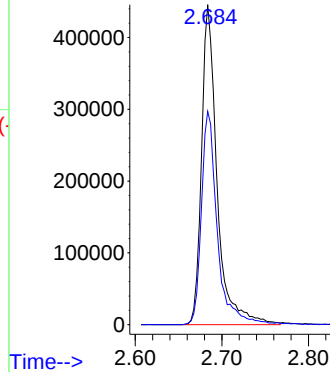
41 100

42 68.9 55.0 82.6

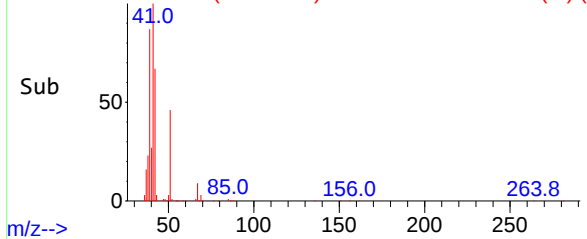
Abundance Scan 25 (2.684 min): VL040584.D\data.ms



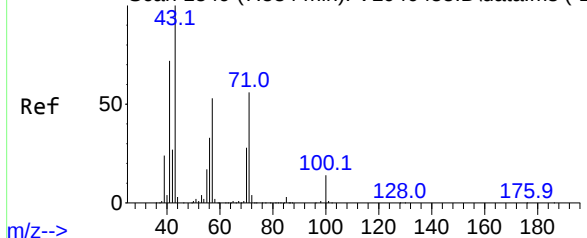
Abundance



Abundance Scan 25 (2.684 min): VL040584.D\data.ms (-1)



Abundance Scan 1549 (7.584 min): VL040455.D\data.ms (-1)



#10

Heptane

Concen: 9.174 ppbv

RT: 7.574 min Scan# 1546

Delta R.T. -0.016 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

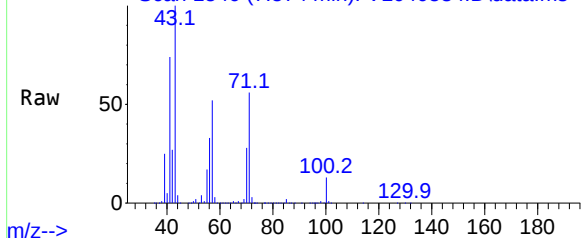
Tgt Ion: 43 Resp: 1372358

Ion Ratio Lower Upper

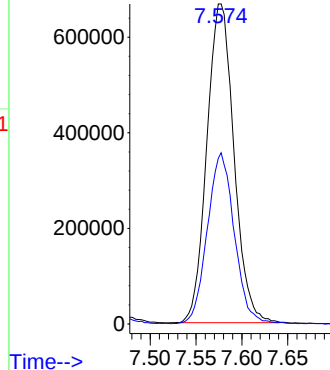
43 100

57 53.6 42.5 63.7

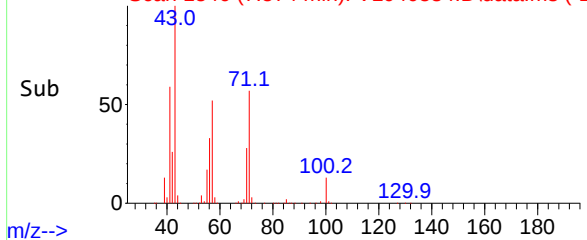
Abundance Scan 1546 (7.574 min): VL040584.D\data.ms

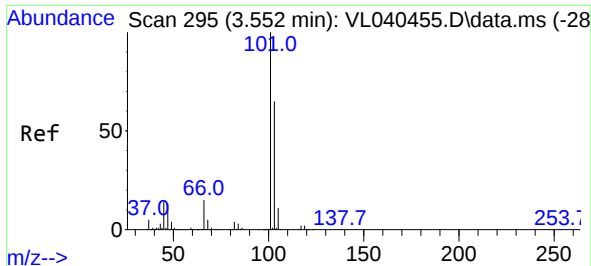


Abundance



Abundance Scan 1546 (7.574 min): VL040584.D\data.ms (-1)

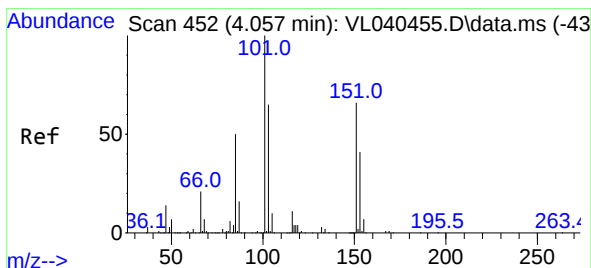
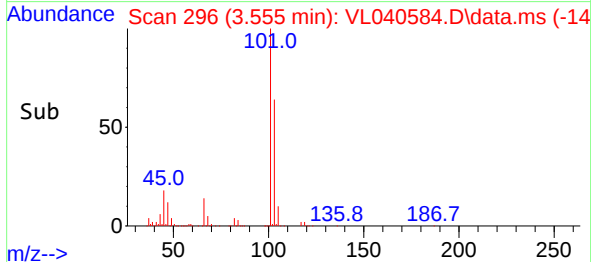
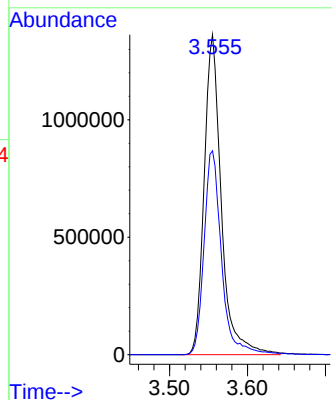
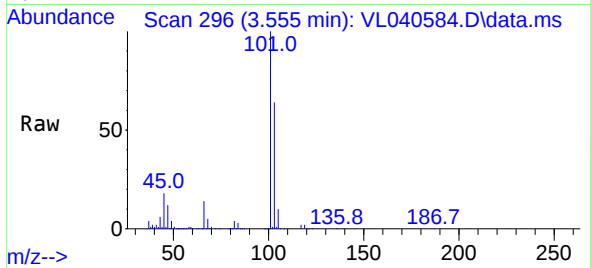




#11
Trichlorofluoromethane
Concen: 10.318 ppbv
RT: 3.555 min Scan# 295
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

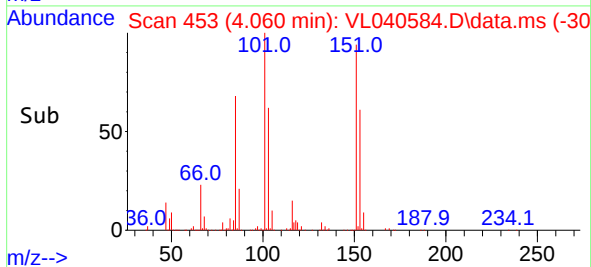
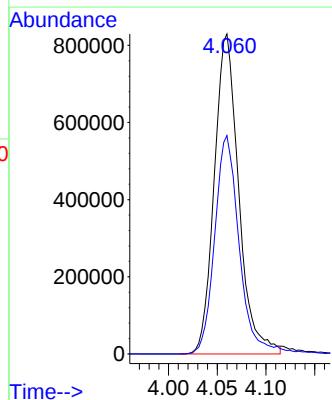
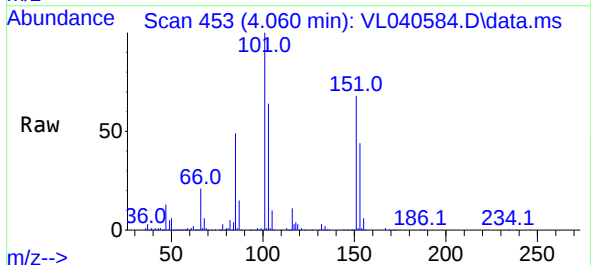
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

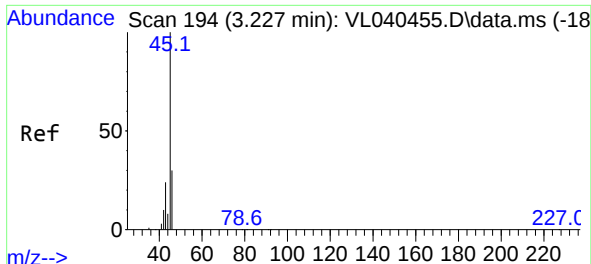
Tgt Ion:101 Resp: 2079132
Ion Ratio Lower Upper
101 100
103 63.7 53.4 80.0



#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.197 ppbv
RT: 4.060 min Scan# 453
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion:101 Resp: 1447056
Ion Ratio Lower Upper
101 100
151 69.2 58.2 87.4

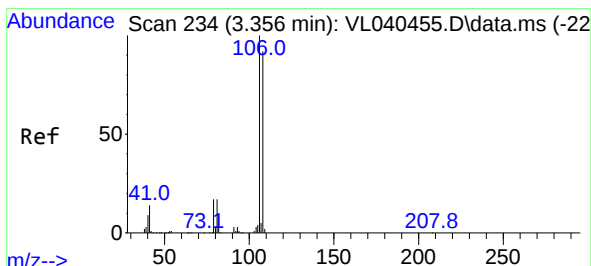
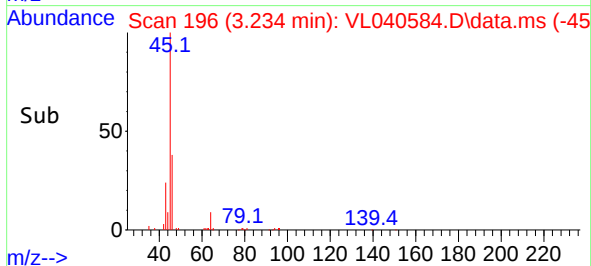
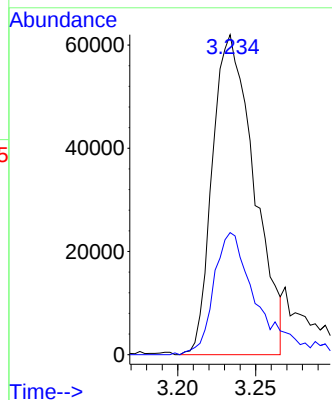
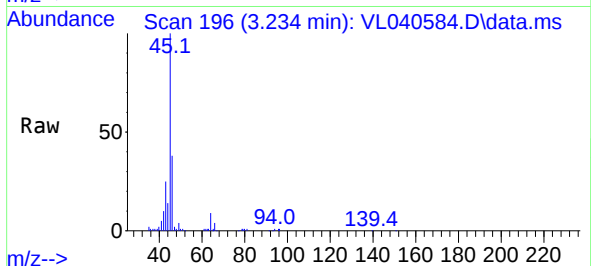




#13
Ethanol
Concen: 7.843 ppbv
RT: 3.234 min Scan# 194
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

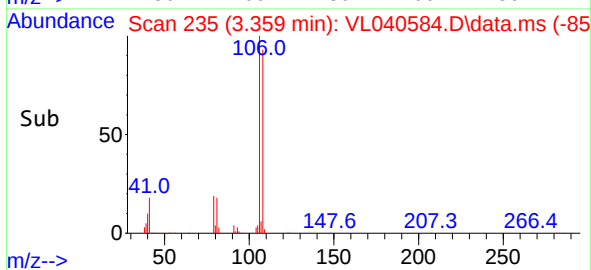
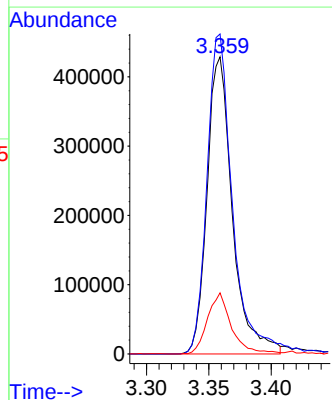
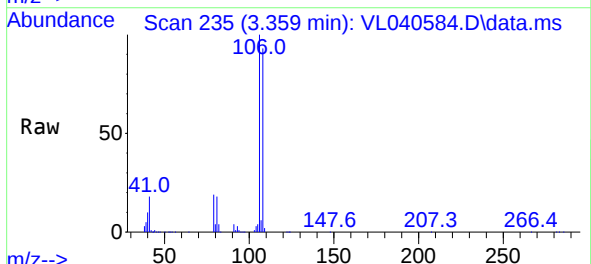
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

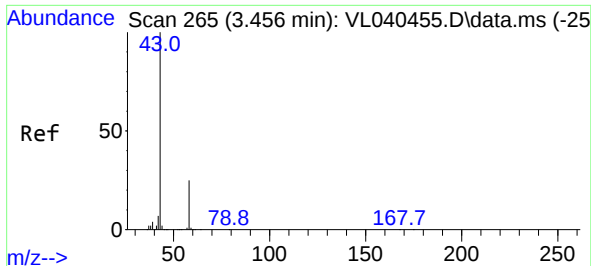
Tgt Ion: 45 Resp: 115605
Ion Ratio Lower Upper
45 100
46 41.5 15.3 61.1



#14
Bromoethene
Concen: 9.982 ppbv
RT: 3.359 min Scan# 235
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 108 Resp: 609127
Ion Ratio Lower Upper
108 100
106 110.6 87.2 130.8
79 19.5 15.3 22.9

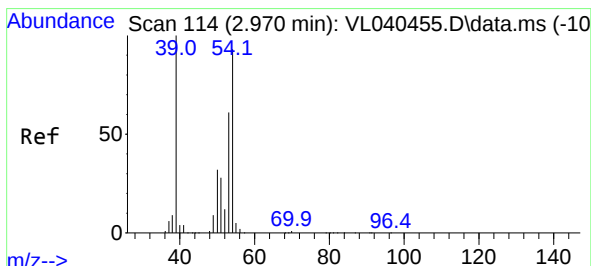
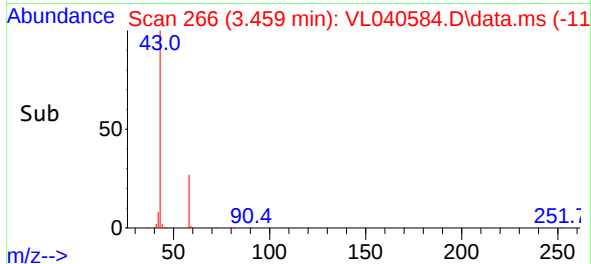
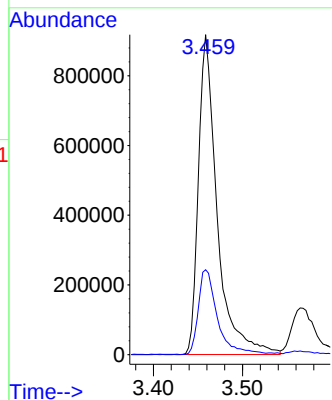
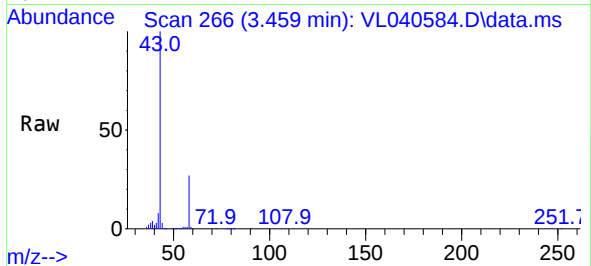




#15
Acetone
Concen: 9.321 ppbv
RT: 3.459 min Scan# 20
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

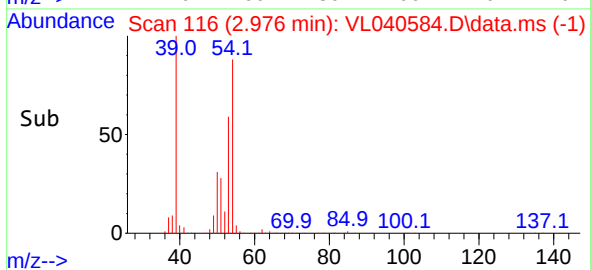
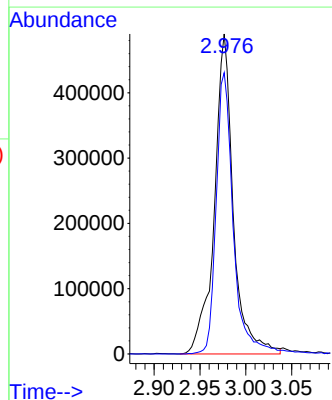
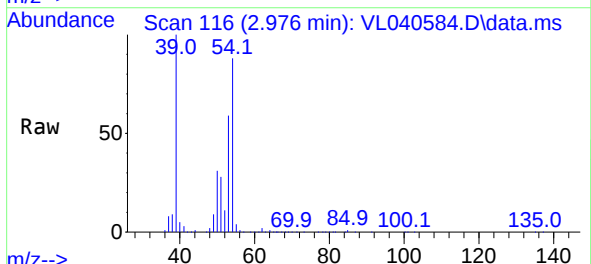
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

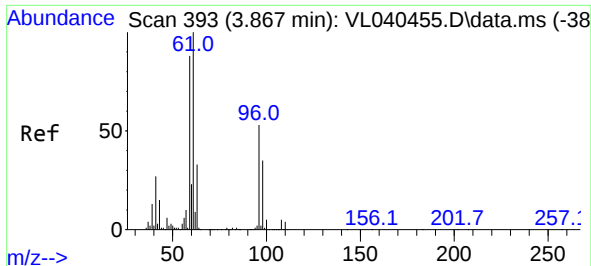
Tgt Ion: 43 Resp: 1339499
Ion Ratio Lower Upper
43 100
58 27.5 22.9 34.3



#16
1,3-Butadiene
Concen: 9.731 ppbv
RT: 2.976 min Scan# 116
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 39 Resp: 705507
Ion Ratio Lower Upper
39 100
54 80.0 66.6 100.0





#17

tert-Butyl alcohol

Concen: 10.386 ppbv

RT: 3.870 min Scan# 394

Delta R.T. -0.013 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_1

ClientSampleId :

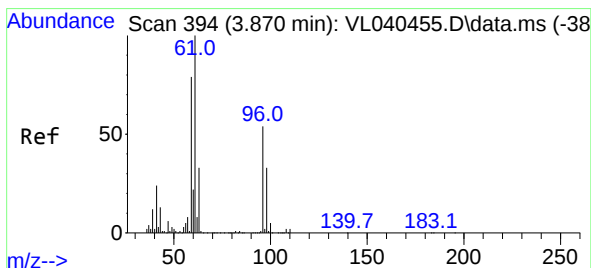
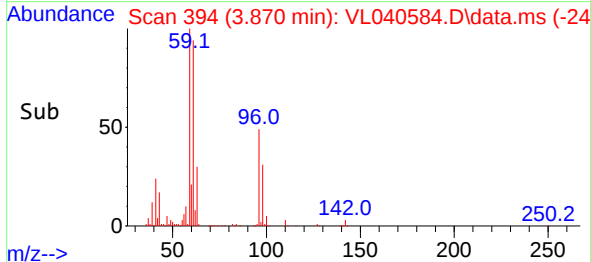
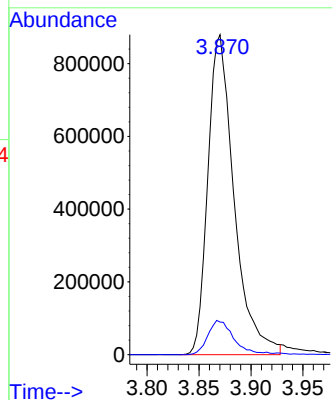
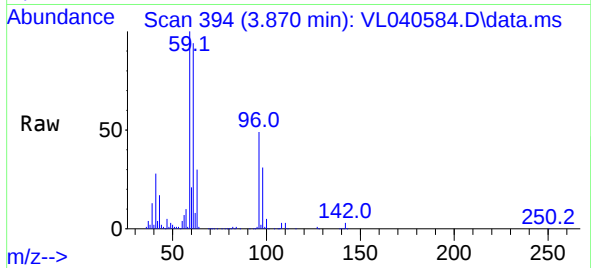
VSTDCCC010

Tgt Ion: 59 Resp: 1543837

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1



#18

1,1-Dichloroethene

Concen: 10.177 ppbv

RT: 3.870 min Scan# 394

Delta R.T. -0.019 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

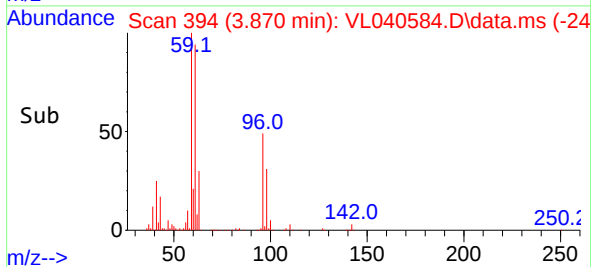
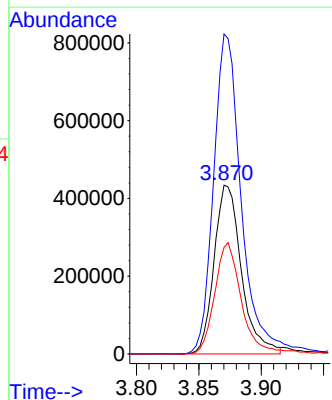
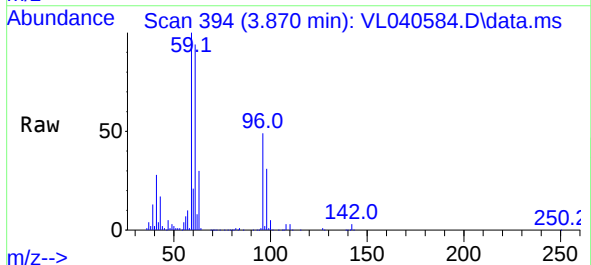
Tgt Ion: 96 Resp: 663955

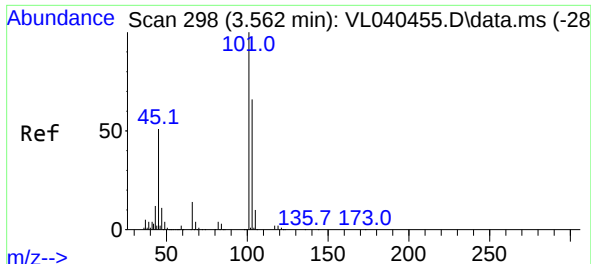
Ion Ratio Lower Upper

96 100

61 189.6 154.4 231.6

98 63.2 50.0 75.0





#19

Isopropyl Alcohol

Concen: 10.822 ppbv

RT: 3.565 min Scan# 298

Delta R.T. -0.016 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_L

ClientSampleId :

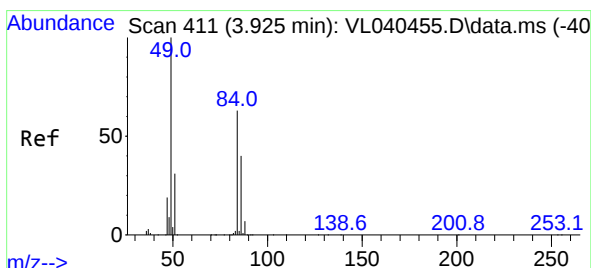
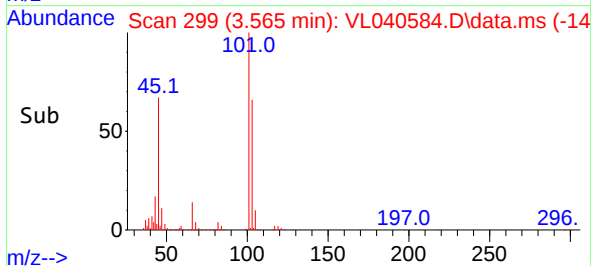
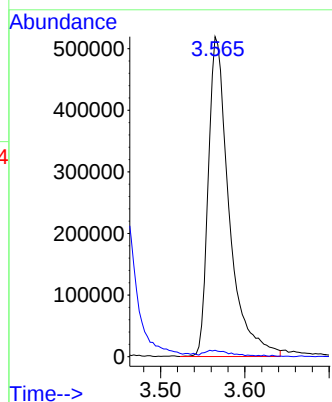
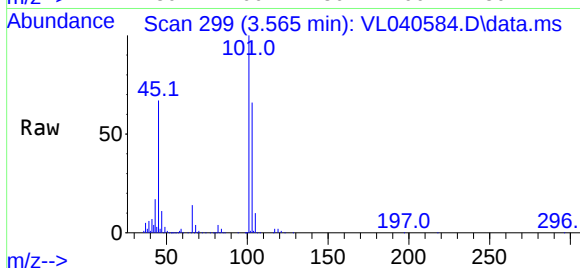
VSTDCCC010

Tgt Ion: 45 Resp: 892821

Ion Ratio Lower Upper

45 100

58 3.0 1.1 1.7#



#20

Methylene Chloride

Concen: 9.667 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.016 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Tgt Ion: 84 Resp: 590922

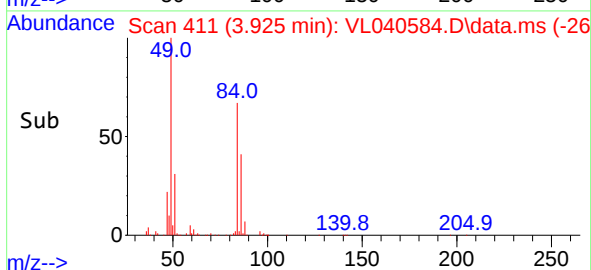
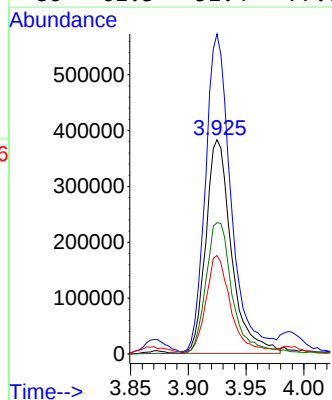
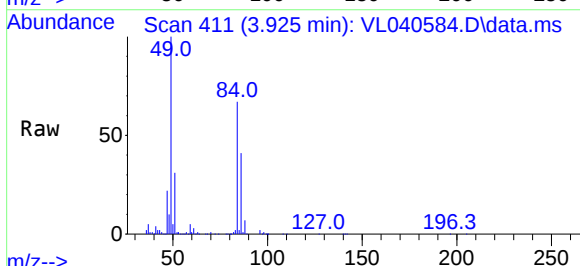
Ion Ratio Lower Upper

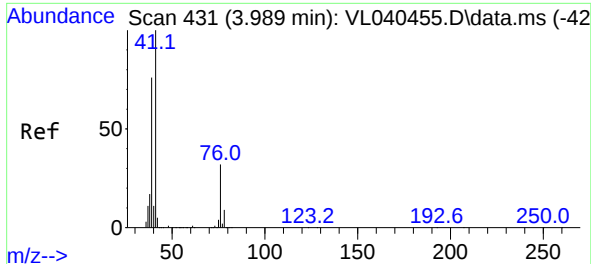
84 100

49 148.9 123.4 185.2

51 45.0 38.3 57.5

86 61.3 51.4 77.0





#21

Allyl Chloride

Concen: 9.605 ppbv

RT: 3.989 min Scan# 41

Delta R.T. -0.016 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

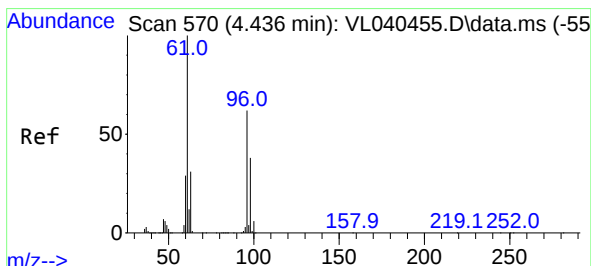
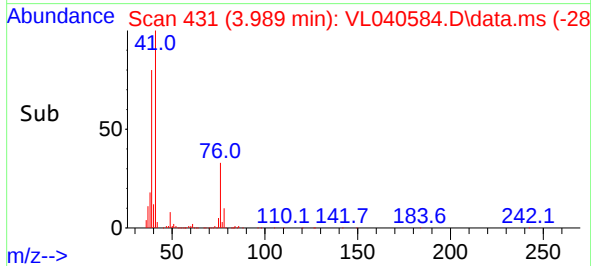
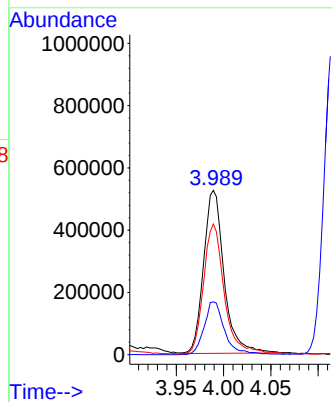
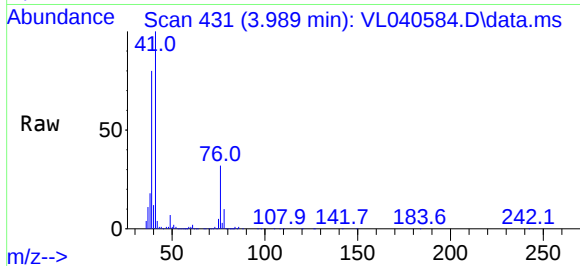
Tgt Ion: 41 Resp: 788215

Ion Ratio Lower Upper

41 100

76 32.6 24.8 37.2

39 81.8 60.6 91.0



#22

trans-1,2-Dichloroethene

Concen: 10.153 ppbv

RT: 4.436 min Scan# 570

Delta R.T. -0.016 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

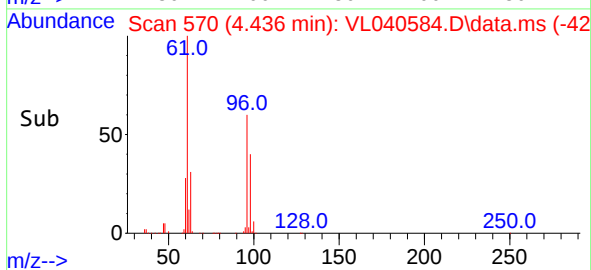
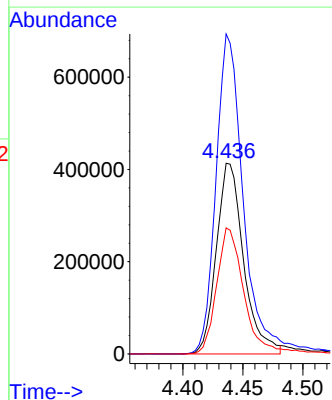
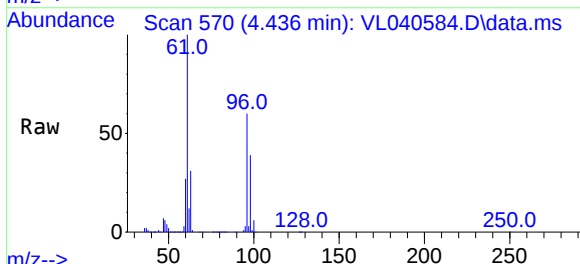
Tgt Ion: 96 Resp: 653557

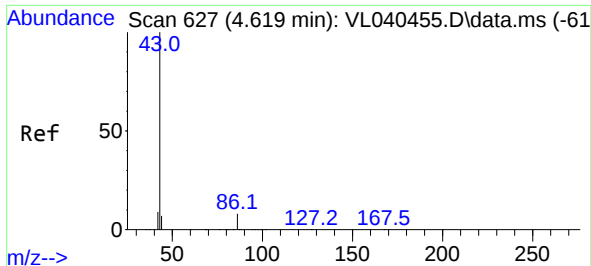
Ion Ratio Lower Upper

96 100

61 167.8 137.7 206.5

98 66.0 52.9 79.3



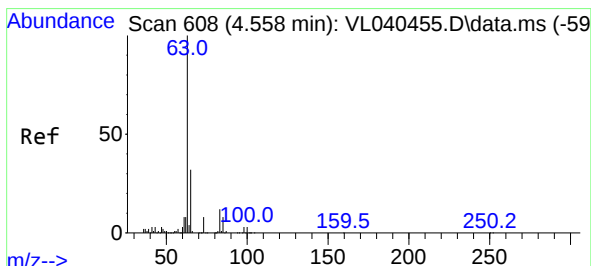
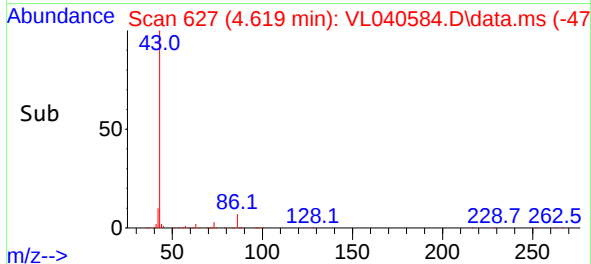
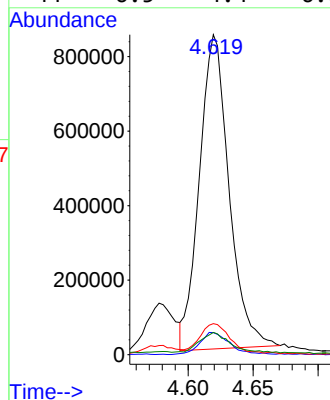
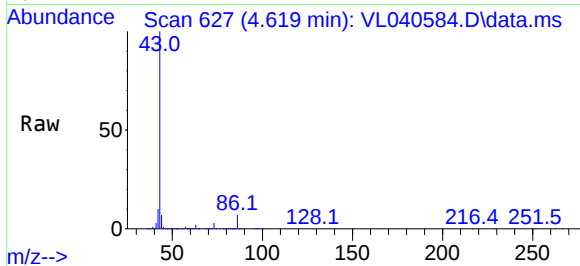


#23
 Vinyl Acetate
 Concen: 9.792 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. -0.016 min
 Lab File: VL040584.D
 Acq: 4 Aug 2023 8:30

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1340586

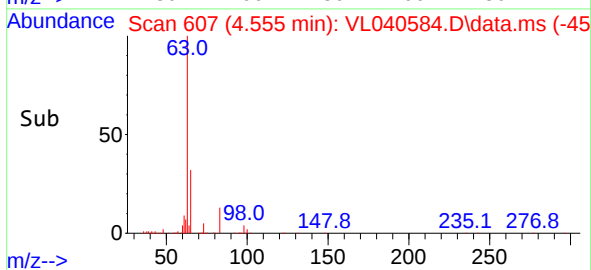
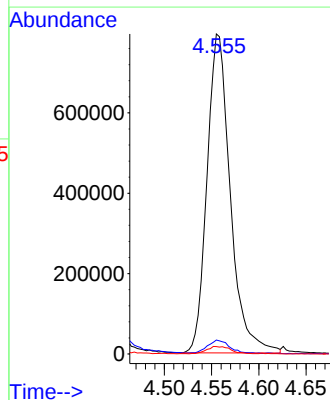
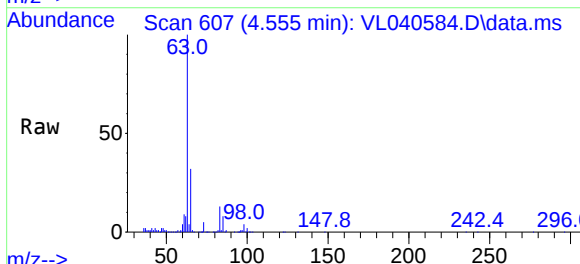
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.6	8.4
42	9.7	7.4	11.2
44	6.5	4.4	6.6

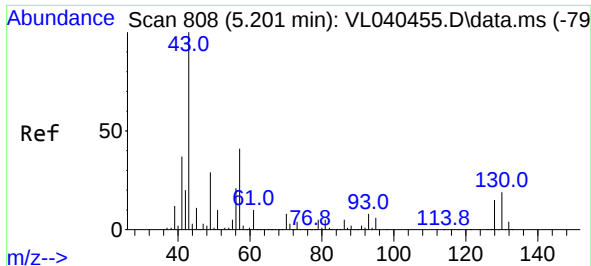


#24
 1,1-Dichloroethane
 Concen: 9.804 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.016 min
 Lab File: VL040584.D
 Acq: 4 Aug 2023 8:30

Tgt Ion: 63 Resp: 1362465

Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.8	5.5
100	2.2	1.4	4.0



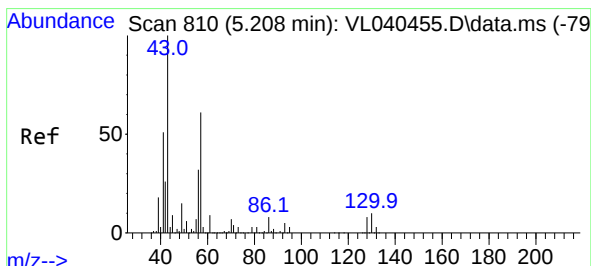
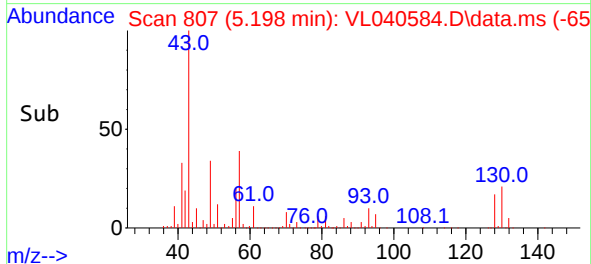
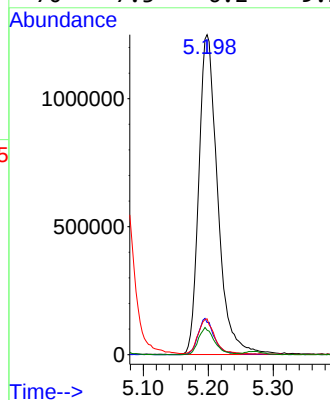
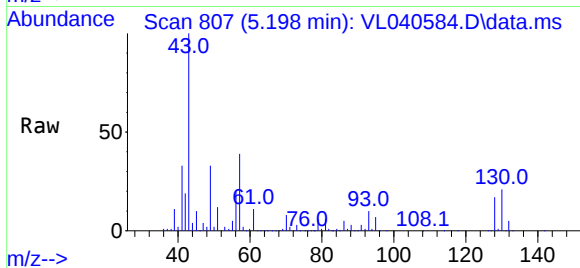


#25
Ethyl Acetate
Concen: 9.234 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2526484

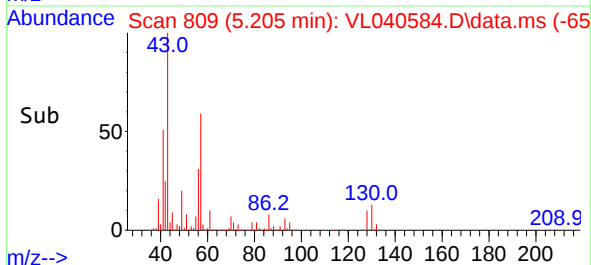
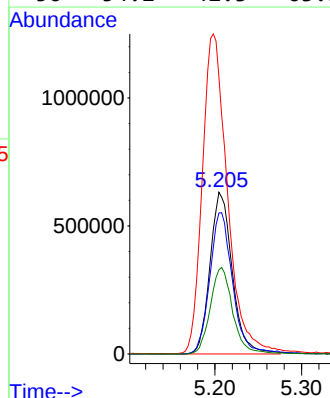
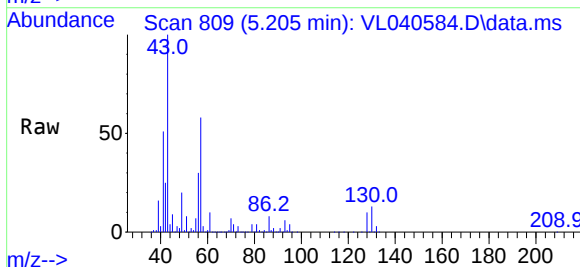
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	10.4	8.3	12.5
70	7.3	6.2	9.2

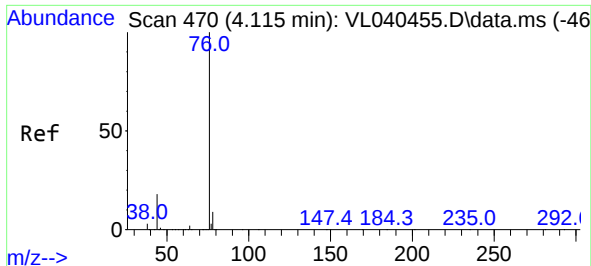


#26
Hexane
Concen: 8.880 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 57 Resp: 1128724

Ion	Ratio	Lower	Upper
57	100		
41	90.3	69.5	104.3
43	224.8	177.1	265.7
56	54.2	42.3	63.5



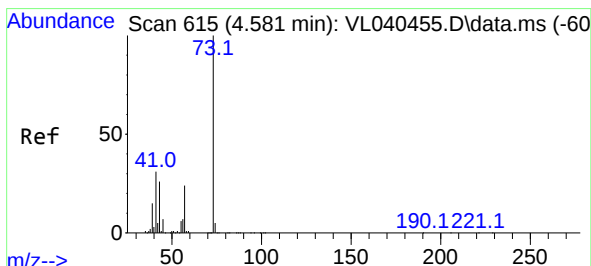
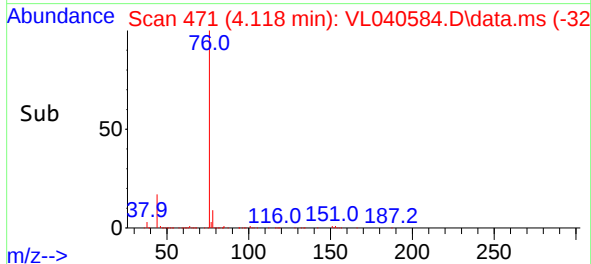
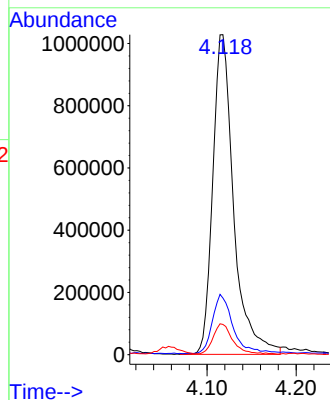
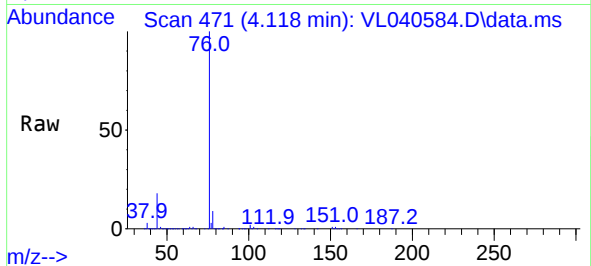


#27
Carbon Disulfide
Concen: 11.186 ppbv
RT: 4.118 min Scan# 411
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1672328

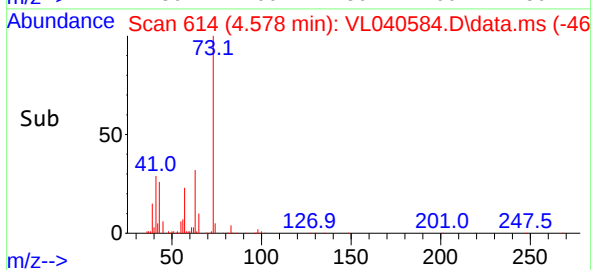
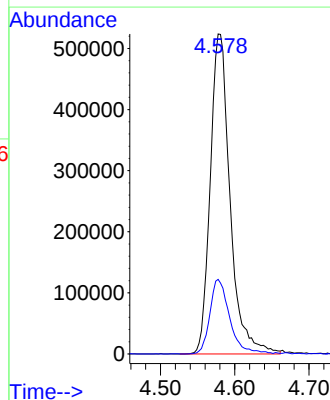
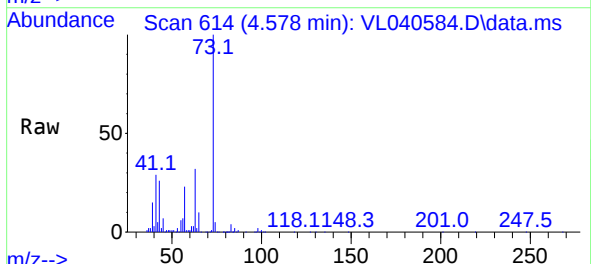
Ion	Ratio	Lower	Upper
76	100		
44	18.7	15.1	22.7
78	9.5	7.5	11.3

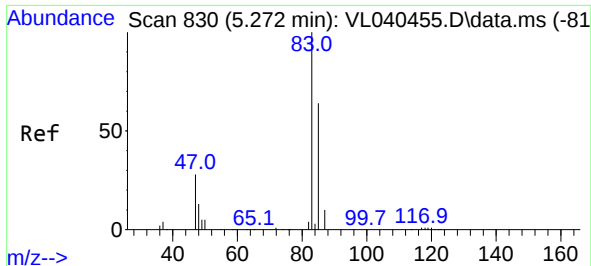


#28
Methyl tert-Butyl Ether
Concen: 9.469 ppbv
RT: 4.578 min Scan# 614
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 73 Resp: 968947

Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.8	28.2





#29

Chloroform

Concen: 9.322 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_L

ClientSampleId :

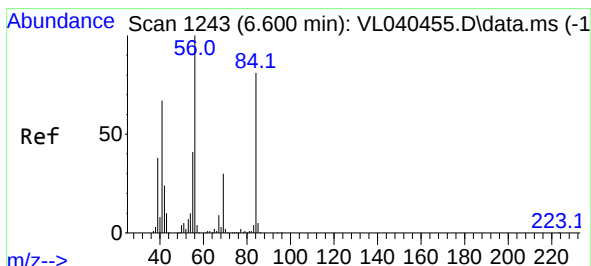
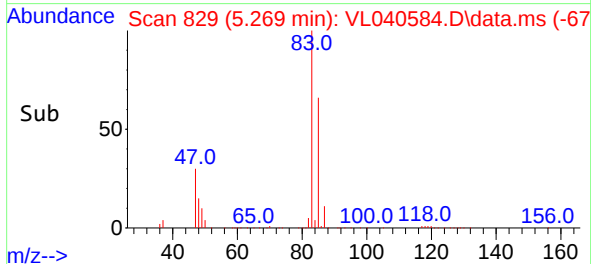
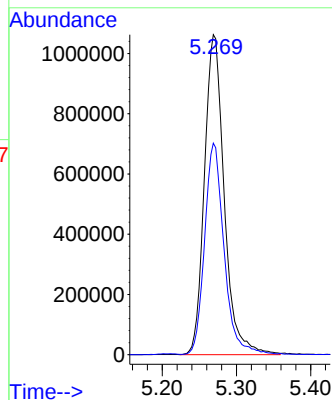
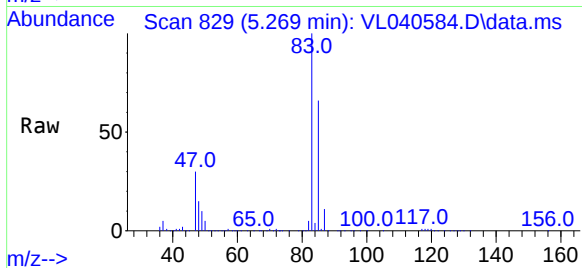
VSTDCCC010

Tgt Ion: 83 Resp: 1965224

Ion Ratio Lower Upper

83 100

85 66.0 51.1 76.7



#30

Cyclohexane

Concen: 8.807 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. -0.013 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

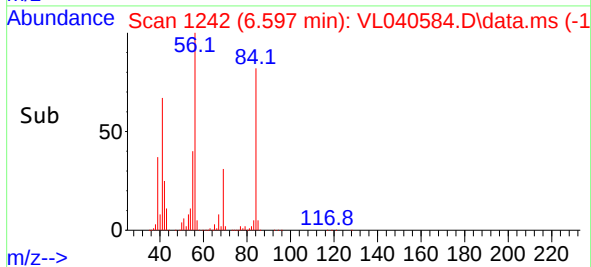
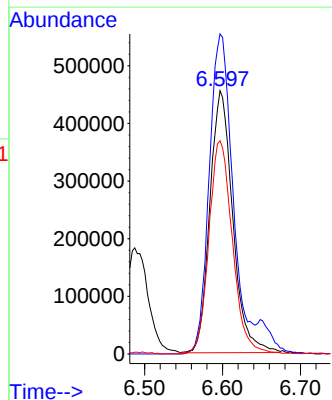
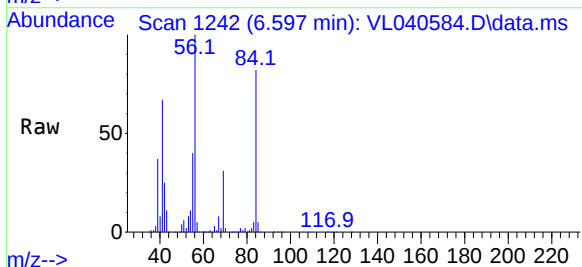
Tgt Ion: 84 Resp: 931452

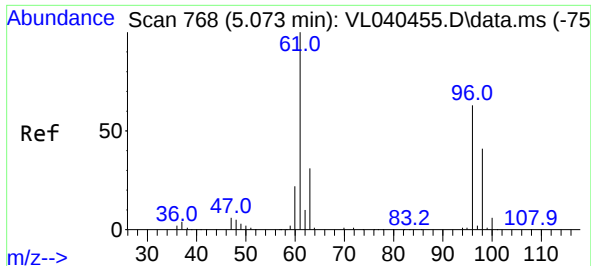
Ion Ratio Lower Upper

84 100

56 133.3 108.7 163.1

41 83.8 64.5 96.7



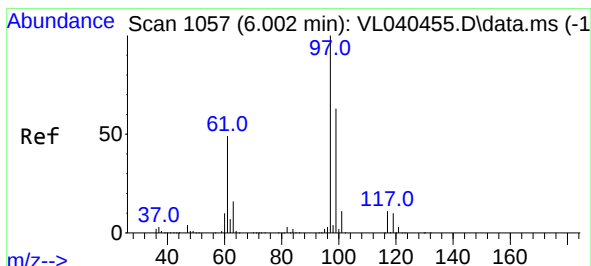
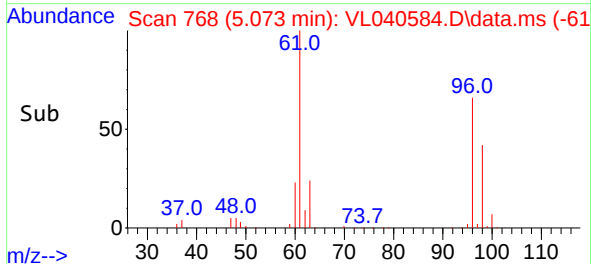
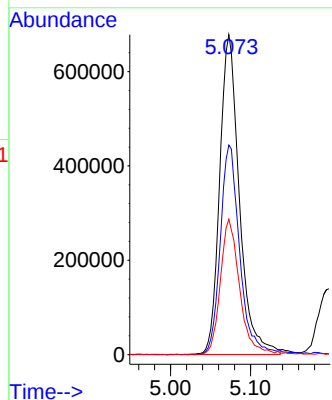
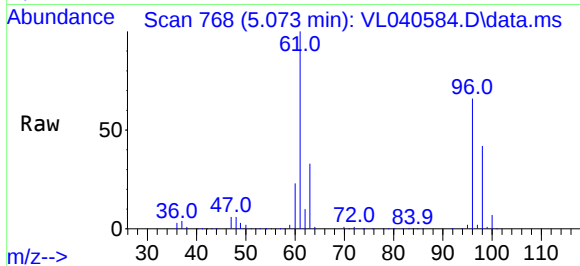


#31
 cis-1,2-Dichloroethene
 Concen: 9.170 ppbv
 RT: 5.073 min Scan# 768
 Delta R.T. -0.013 min
 Lab File: VL040584.D
 Acq: 4 Aug 2023 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 61 Resp: 1152116

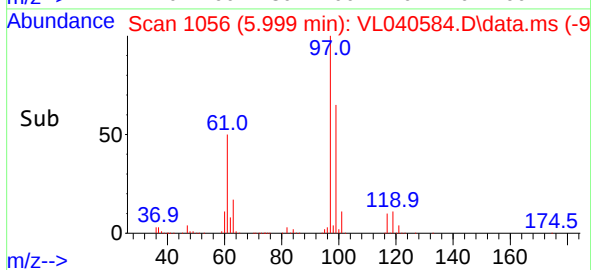
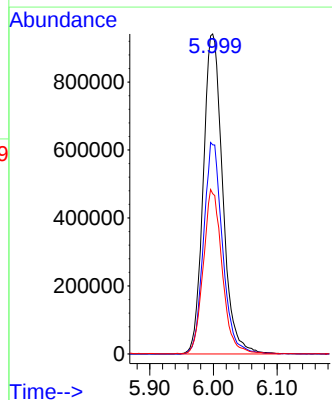
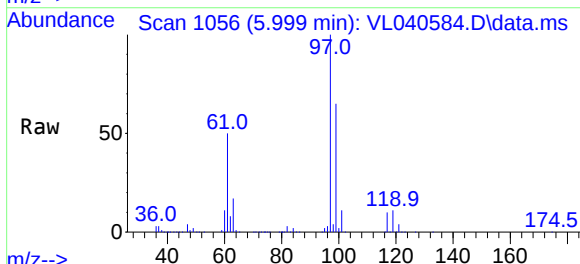
Ion	Ratio	Lower	Upper
61	100		
96	65.5	54.7	82.1
98	42.4	34.6	52.0

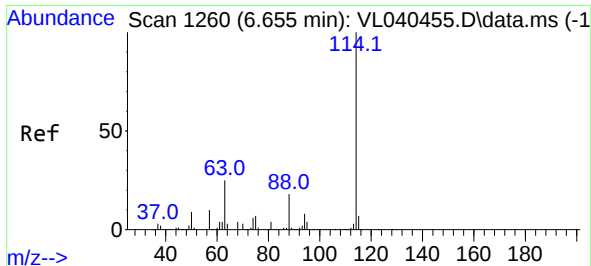


#32
 1,1,1-Trichloroethane
 Concen: 9.670 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.013 min
 Lab File: VL040584.D
 Acq: 4 Aug 2023 8:30

Tgt Ion: 97 Resp: 1994662

Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	50.1	38.9	58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 114

Delta R.T. -0.016 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

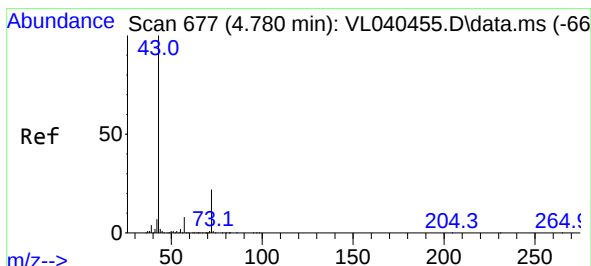
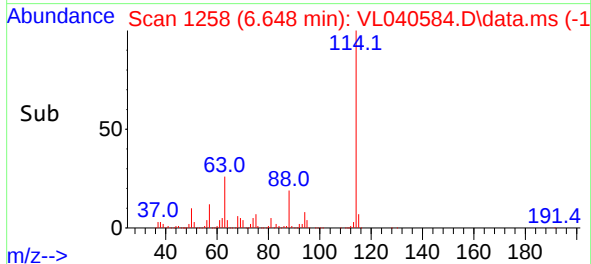
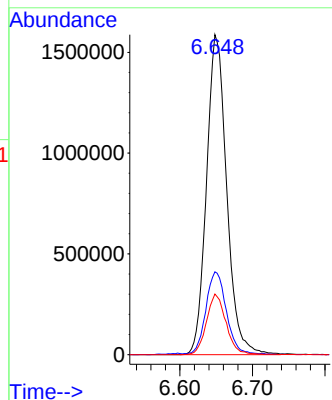
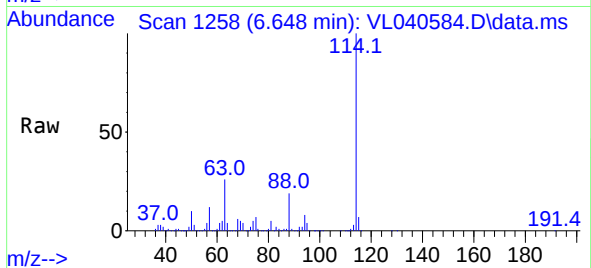
Tgt Ion:114 Resp: 3073088

Ion Ratio Lower Upper

114 100

63 26.9 19.6 29.4

88 18.4 14.2 21.2



#34

2-Butanone

Concen: 9.938 ppbv

RT: 4.780 min Scan# 677

Delta R.T. -0.013 min

Lab File: VL040584.D

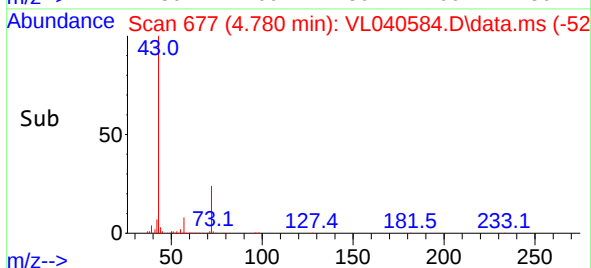
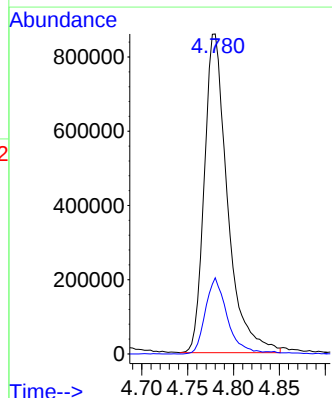
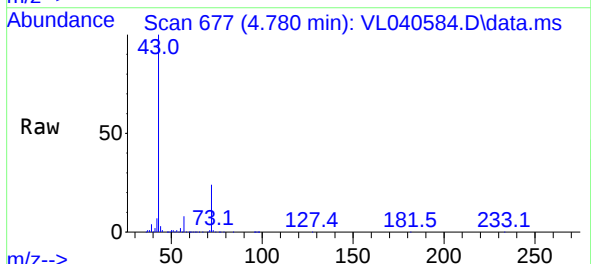
Acq: 4 Aug 2023 8:30

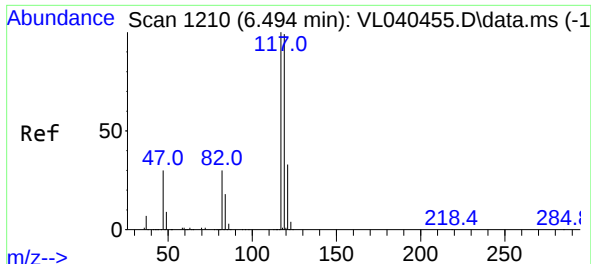
Tgt Ion: 43 Resp: 1509116

Ion Ratio Lower Upper

43 100

72 23.1 19.1 28.7

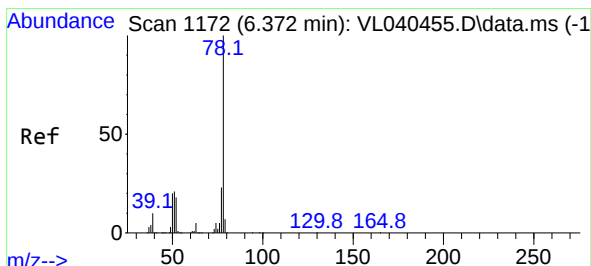
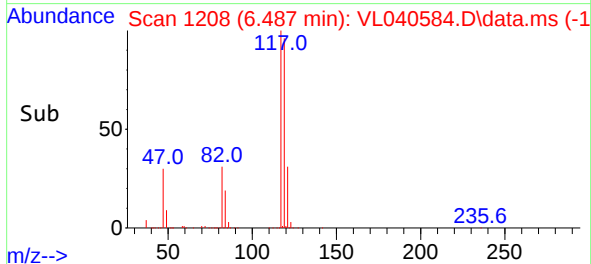
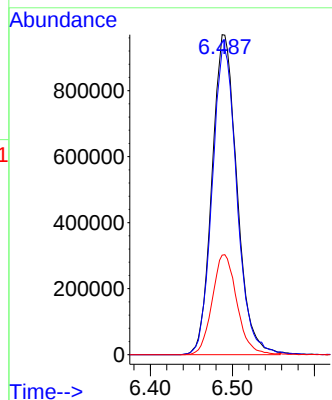
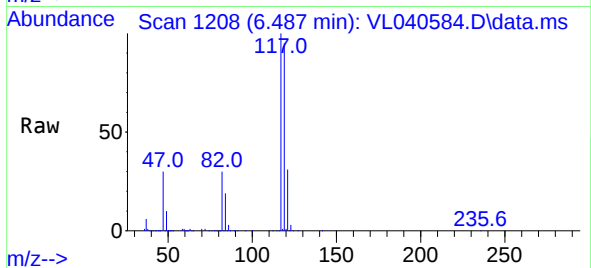




#35
Carbon Tetrachloride
Concen: 11.088 ppbv
RT: 6.487 min Scan# 1170
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

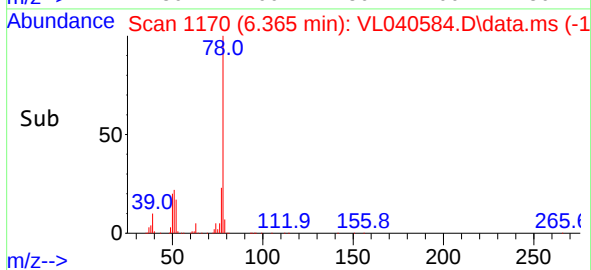
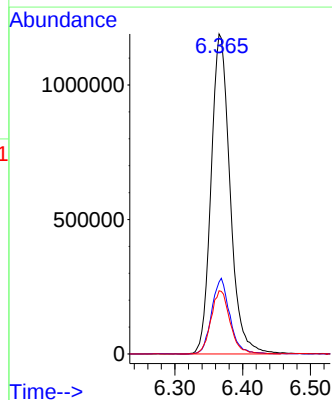
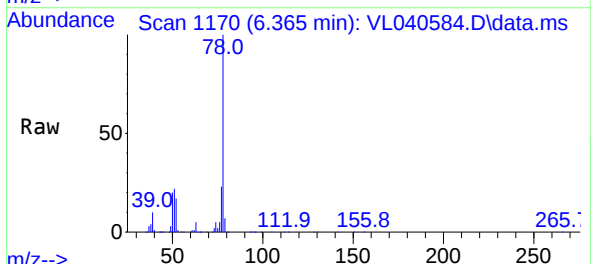
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

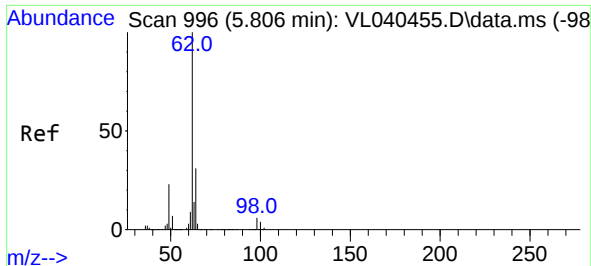
Tgt Ion:117 Resp: 2050585
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.6
121 31.1 24.8 37.2



#36
Benzene
Concen: 9.334 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 78 Resp: 2308021
Ion Ratio Lower Upper
78 100
77 22.5 17.4 26.0
50 19.7 14.4 21.6

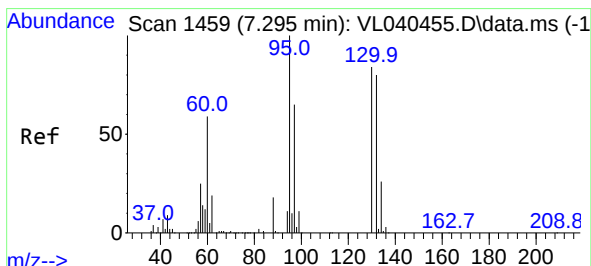
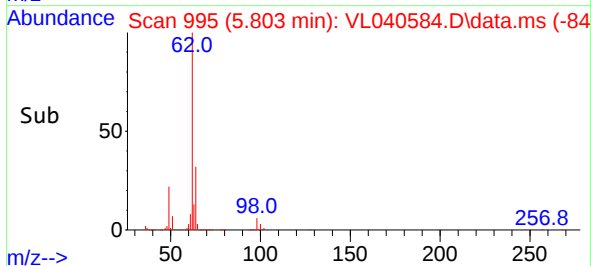
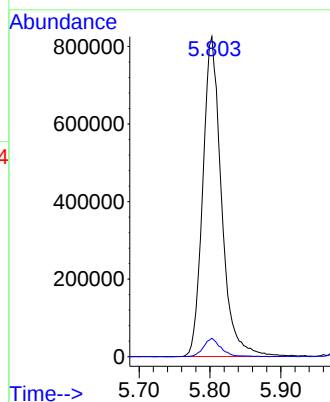
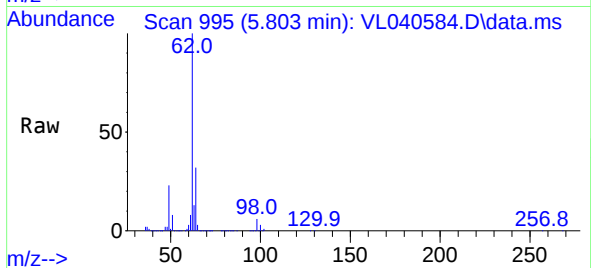




#37
1,2-Dichloroethane
Concen: 10.400 ppbv
RT: 5.803 min Scan# 996
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

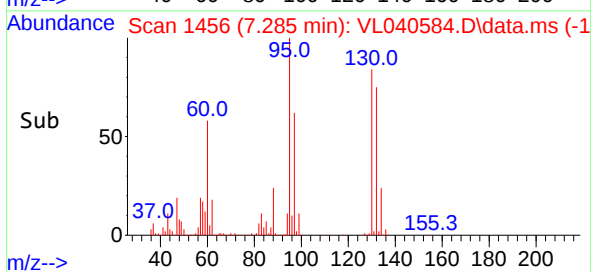
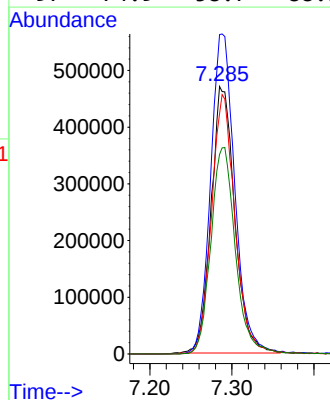
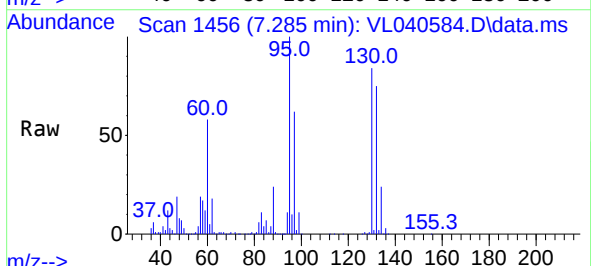
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

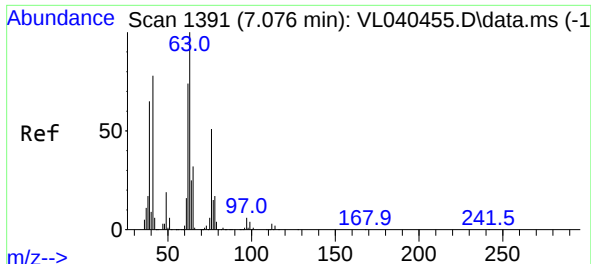
Tgt Ion: 62 Resp: 1512868
Ion Ratio Lower Upper
62 100
98 5.4 5.1 7.7



#38
Trichloroethene
Concen: 10.072 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. -0.019 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion:130 Resp: 941970
Ion Ratio Lower Upper
130 100
95 119.7 90.2 135.2
132 90.1 76.3 114.5
97 74.9 58.7 88.1





#39

1,2-Dichloropropane

Concen: 9.604 ppbv

RT: 7.069 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

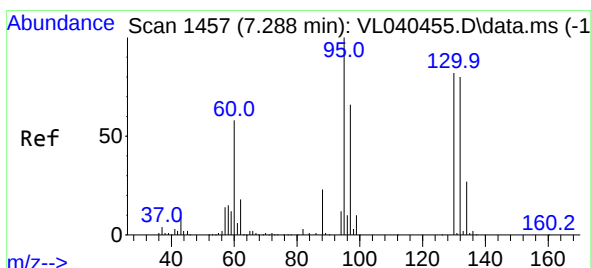
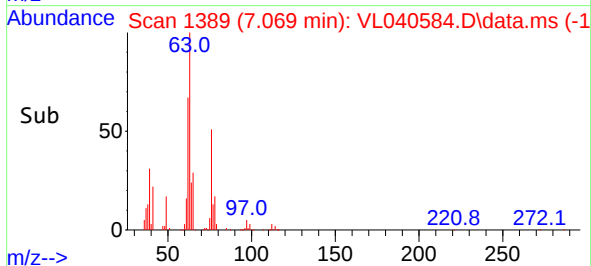
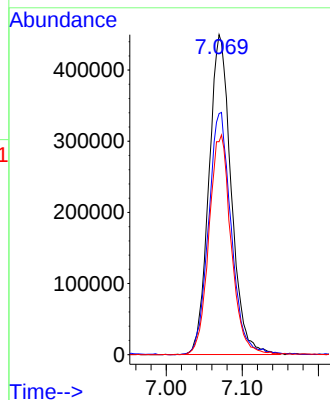
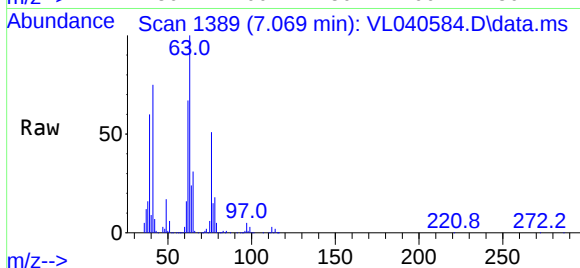
Tgt Ion: 63 Resp: 914168

Ion Ratio Lower Upper

63 100

41 75.3 54.3 81.5

62 66.6 55.6 83.4



#40

1,4-Dioxane

Concen: 10.368 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. -0.016 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Tgt Ion: 88 Resp: 308671

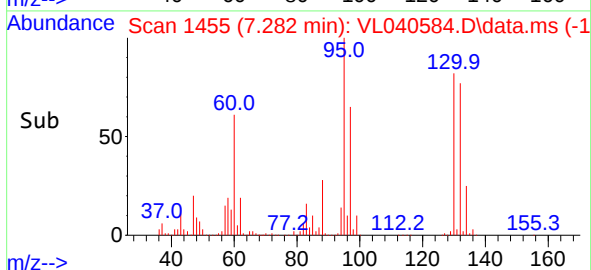
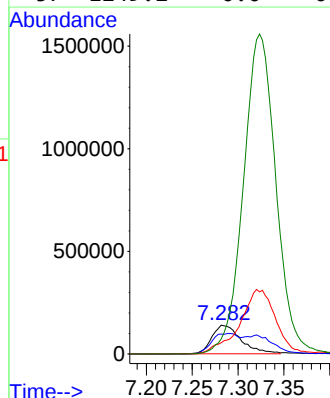
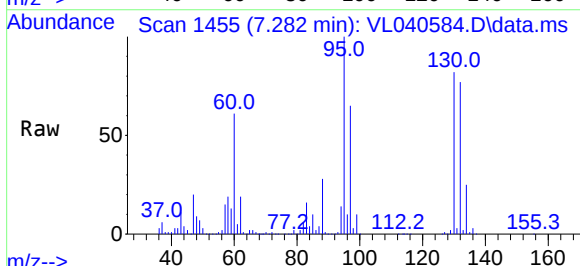
Ion Ratio Lower Upper

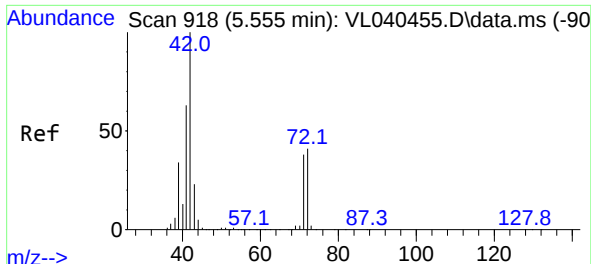
88 100

58 132.7 58.6 88.0#

43 281.3 0.0 0.0#

57 1249.2 0.0 0.0#





#41

Tetrahydrofuran

Concen: 9.615 ppbv

RT: 5.552 min Scan# 918

Delta R.T. -0.013 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

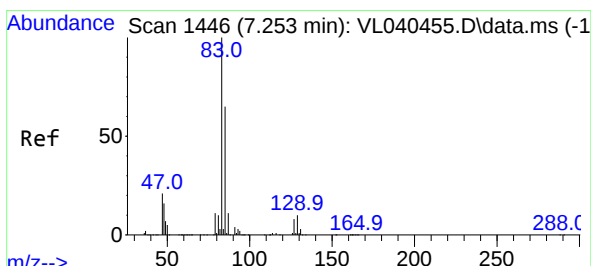
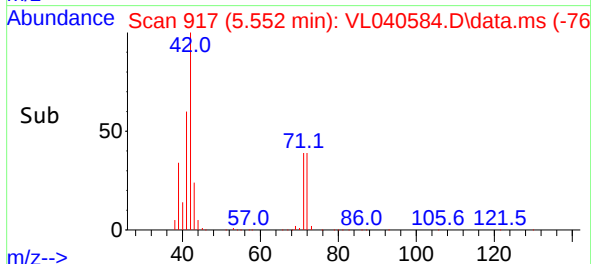
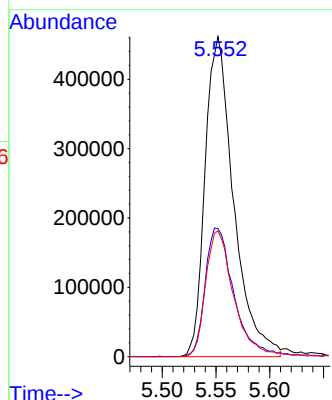
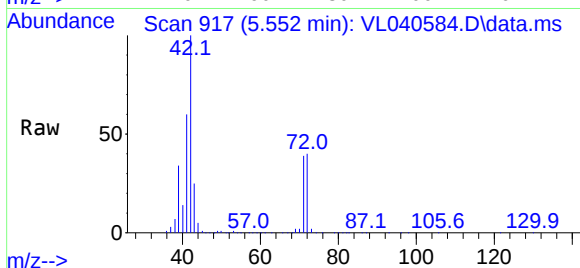
Tgt Ion: 42 Resp: 852010

Ion Ratio Lower Upper

42 100

72 41.2 33.8 50.8

71 39.3 33.0 49.6



#42

Bromodichloromethane

Concen: 10.545 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. -0.013 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

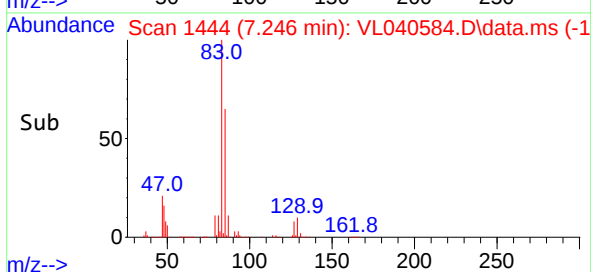
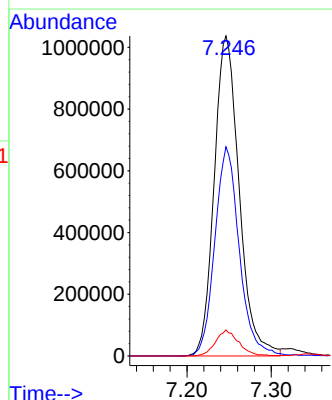
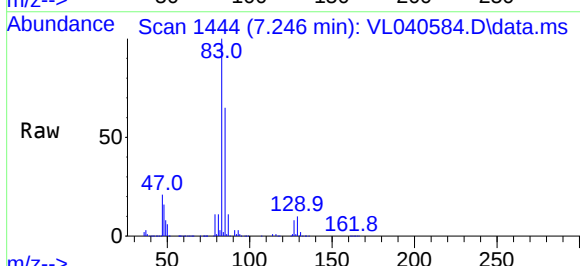
Tgt Ion: 83 Resp: 2133393

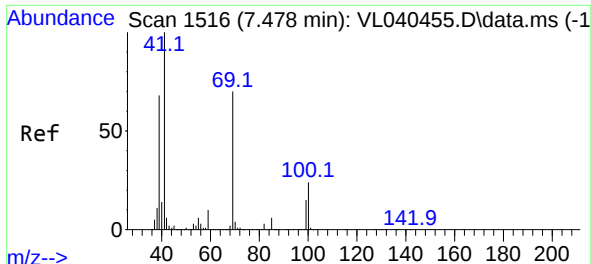
Ion Ratio Lower Upper

83 100

85 65.4 51.1 76.7

127 8.1 6.5 9.7

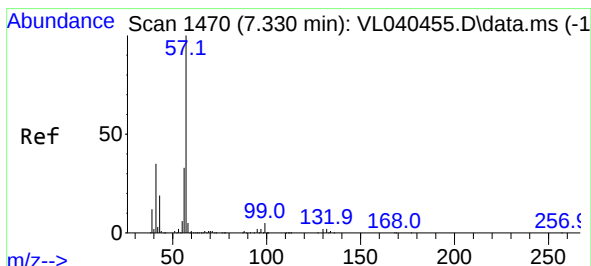
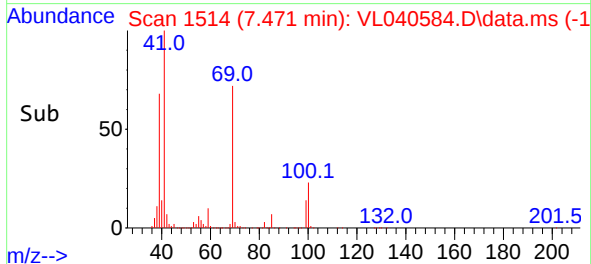
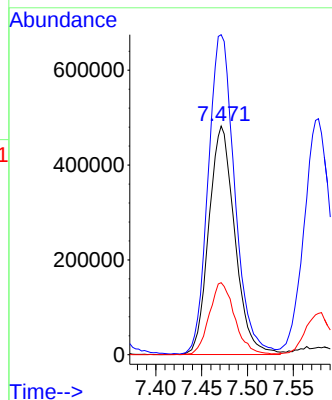
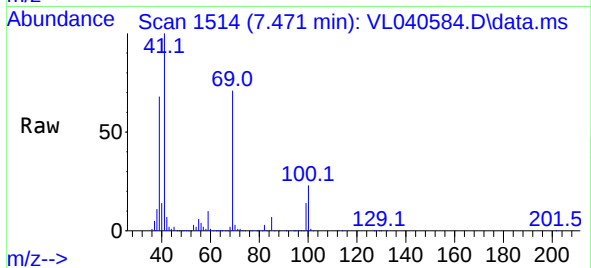




#43
Methyl Methacrylate
Concen: 10.240 ppbv
RT: 7.471 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

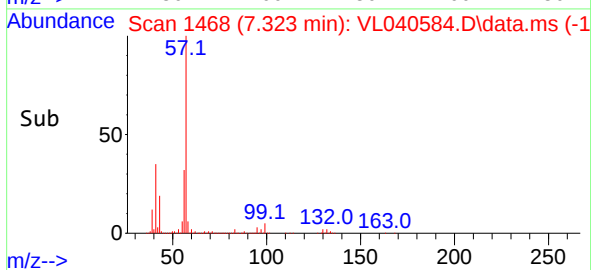
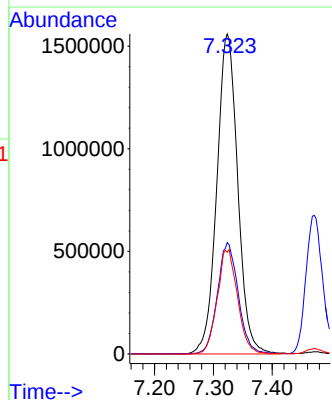
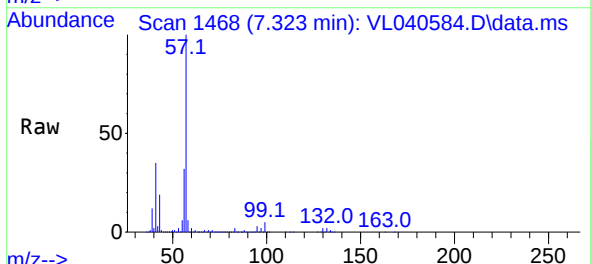
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

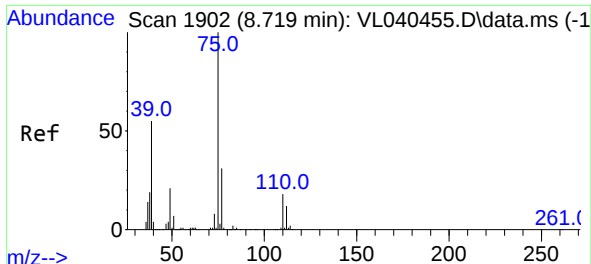
Tgt Ion: 69 Resp: 947773
Ion Ratio Lower Upper
69 100
41 143.4 111.7 167.5
100 30.9 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 9.685 ppbv
RT: 7.323 min Scan# 1468
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 57 Resp: 3853043
Ion Ratio Lower Upper
57 100
41 34.6 25.5 38.3
56 31.8 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 10.775 ppbv

RT: 8.709 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_L

ClientSampleId :

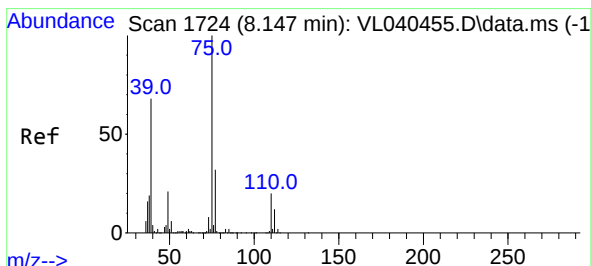
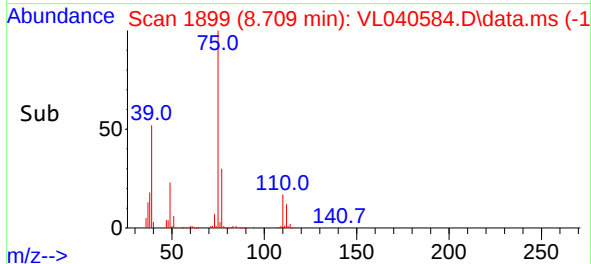
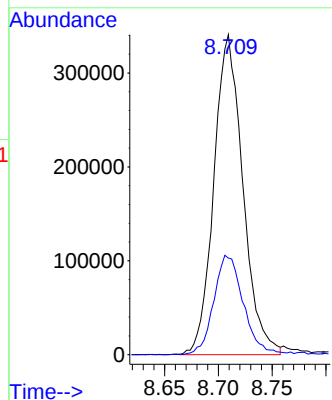
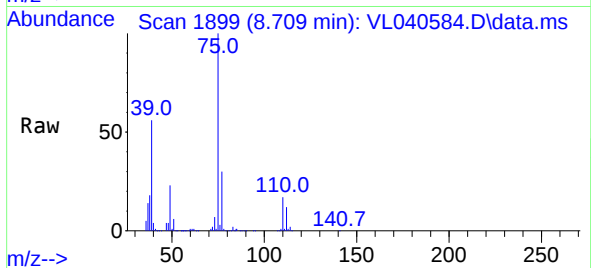
VSTDCCC010

Tgt Ion: 75 Resp: 639743

Ion Ratio Lower Upper

75 100

77 30.2 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 10.168 ppbv

RT: 8.140 min Scan# 1722

Delta R.T. -0.013 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

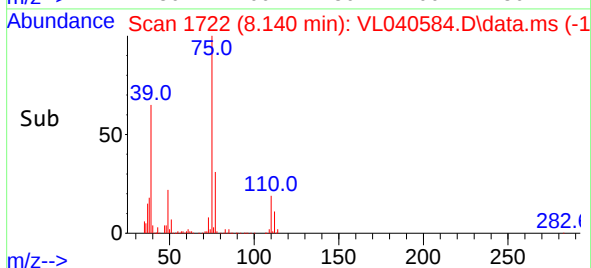
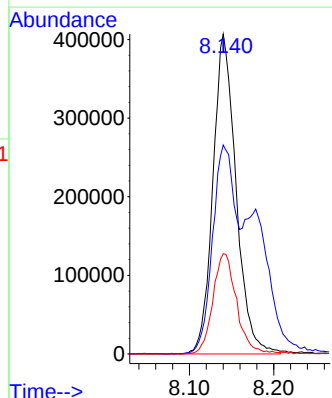
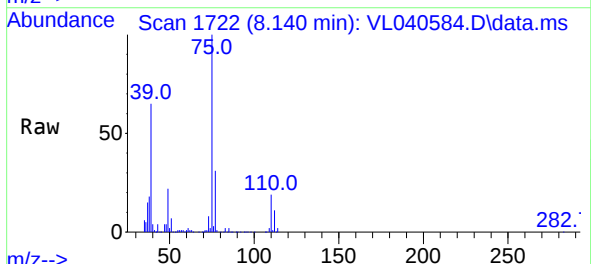
Tgt Ion: 75 Resp: 774512

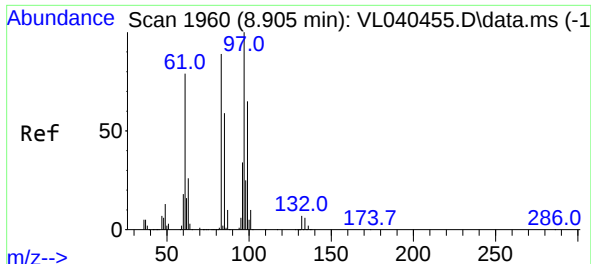
Ion Ratio Lower Upper

75 100

39 65.2 48.0 72.0

77 31.3 24.0 36.0



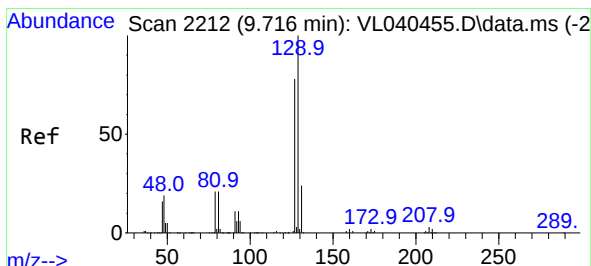
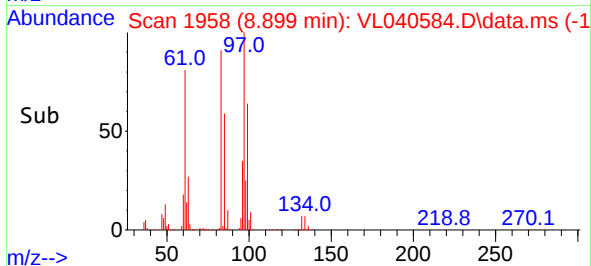
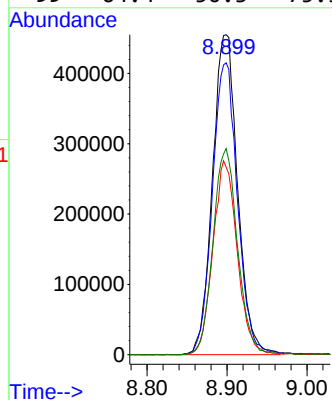
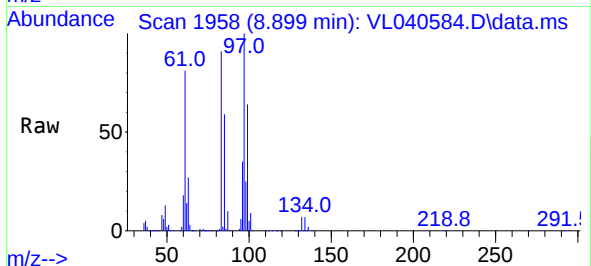


#47
1,1,2-Trichloroethane
Concen: 9.444 ppbv
RT: 8.899 min Scan# 1960
Delta R.T. -0.010 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 991831

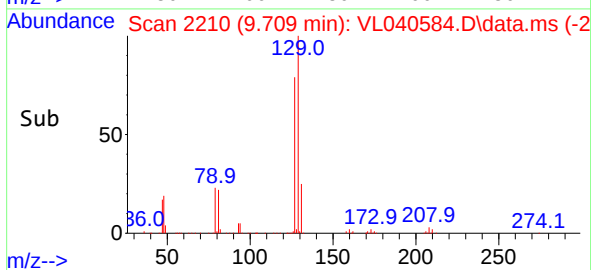
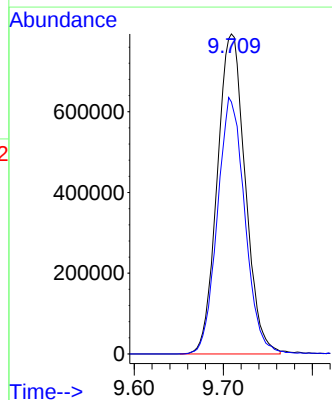
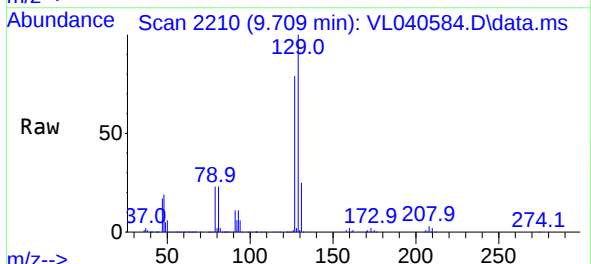
Ion	Ratio	Lower	Upper
97	100		
83	91.1	73.4	110.0
85	58.6	46.6	70.0
99	64.4	50.3	75.5

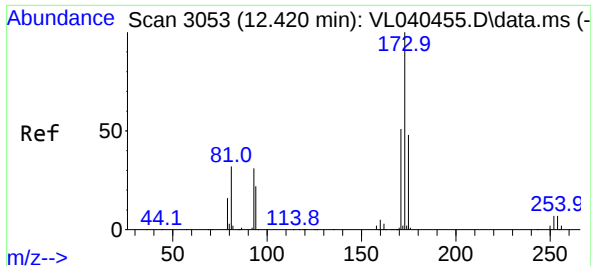


#48
Dibromochloromethane
Concen: 10.658 ppbv
RT: 9.709 min Scan# 2210
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 129 Resp: 1730664

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.1	117.3

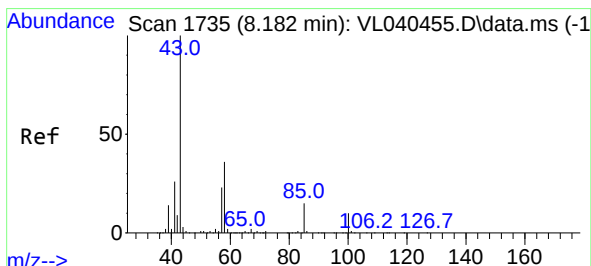
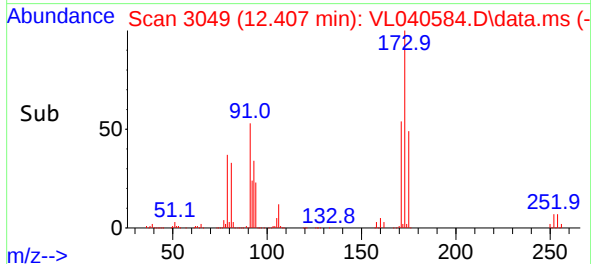
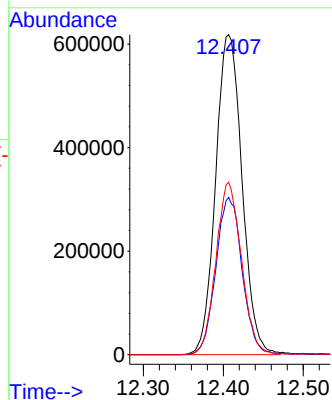
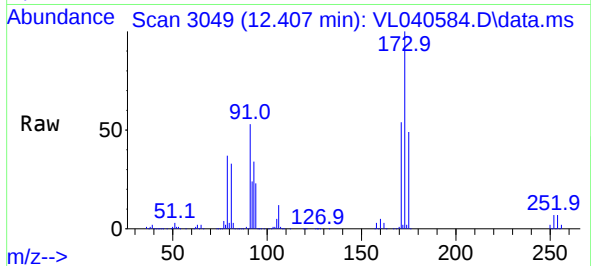




#49
Bromoform
Concen: 11.013 ppbv
RT: 12.407 min Scan# 3053
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

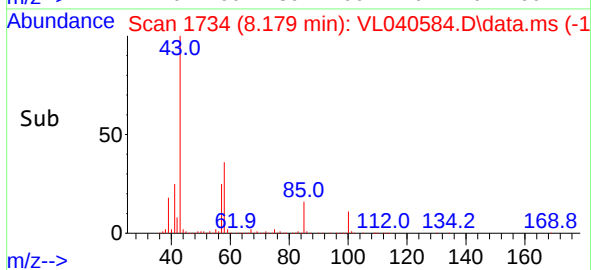
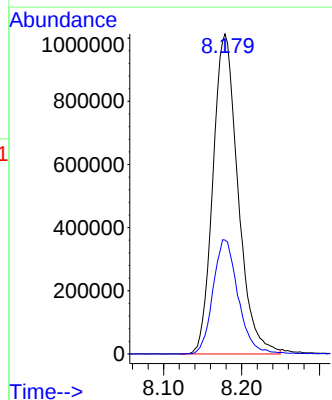
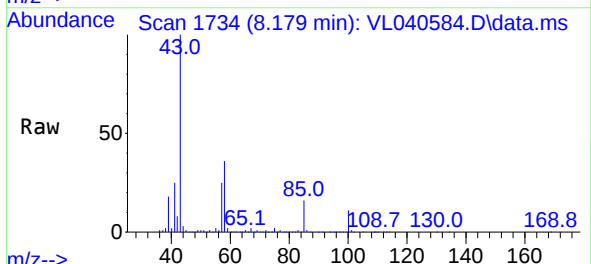
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

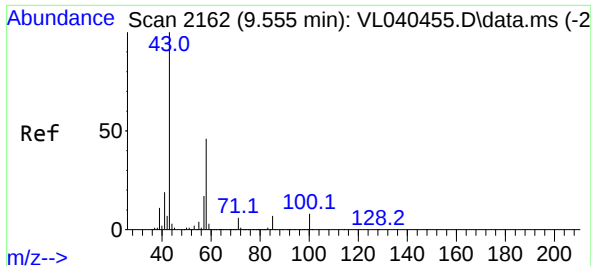
Tgt Ion:173 Resp: 1417723
Ion Ratio Lower Upper
173 100
175 49.2 39.5 59.3
171 52.5 42.2 63.4



#50
4-Methyl-2-Pentanone
Concen: 10.266 ppbv
RT: 8.179 min Scan# 1734
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 43 Resp: 2265027
Ion Ratio Lower Upper
43 100
58 35.9 30.2 45.2

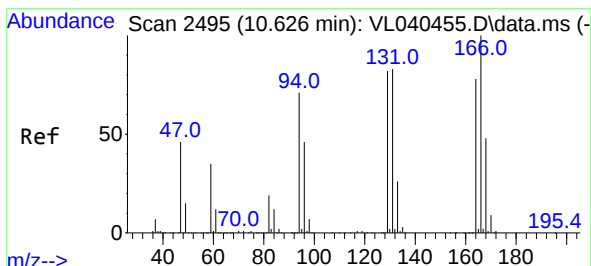
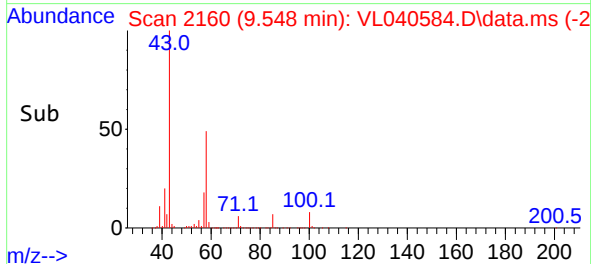
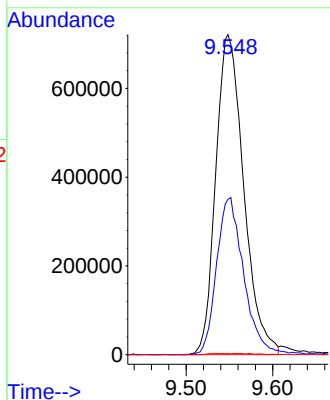
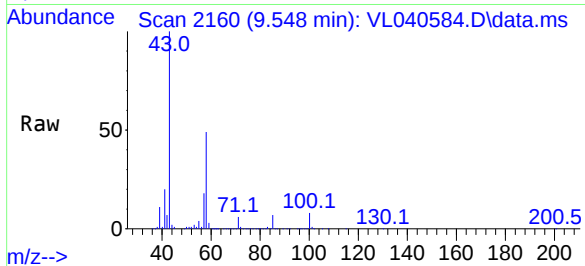




#51
2-Hexanone
Concen: 10.360 ppbv
RT: 9.548 min Scan# 2162
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

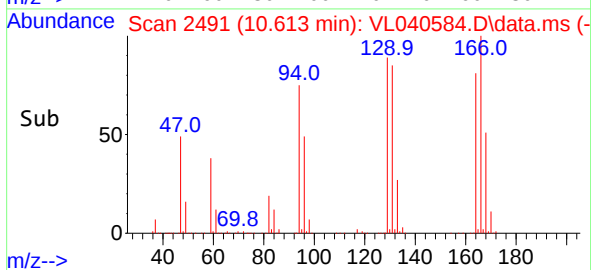
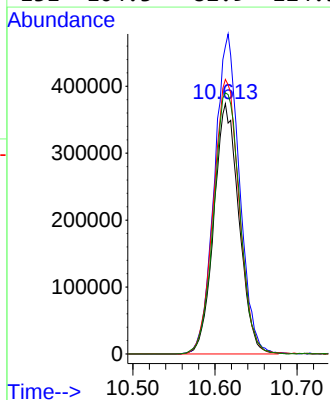
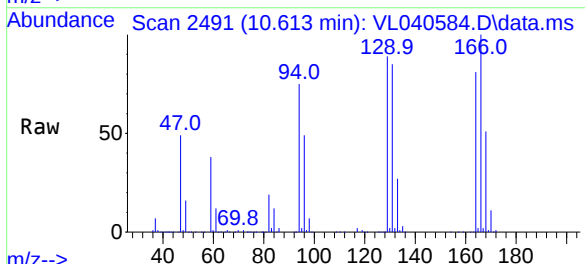
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

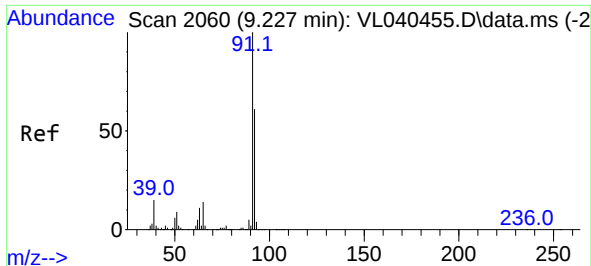
Tgt Ion: 43 Resp: 1616388
Ion Ratio Lower Upper
43 100
58 48.2 39.7 59.5
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.907 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 164 Resp: 793315
Ion Ratio Lower Upper
164 100
166 122.8 103.9 155.9
129 109.7 84.6 126.8
131 104.3 82.9 124.3

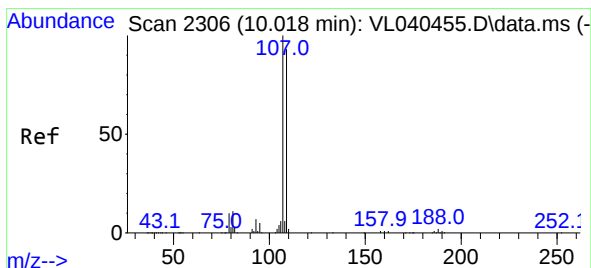
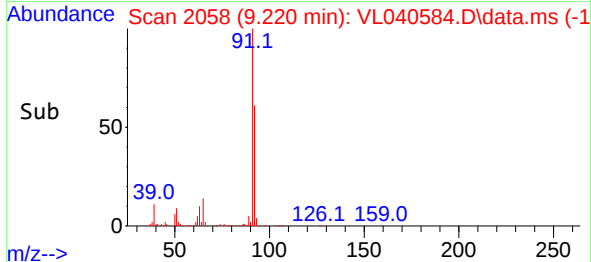
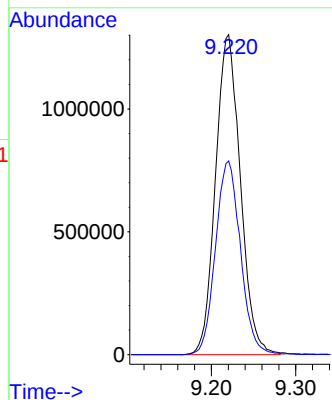
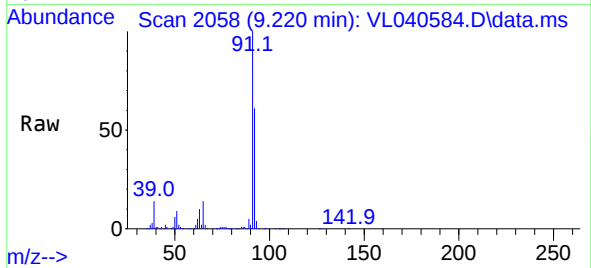




#53
Toluene
Concen: 9.926 ppbv
RT: 9.220 min Scan# 2060
Delta R.T. -0.010 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

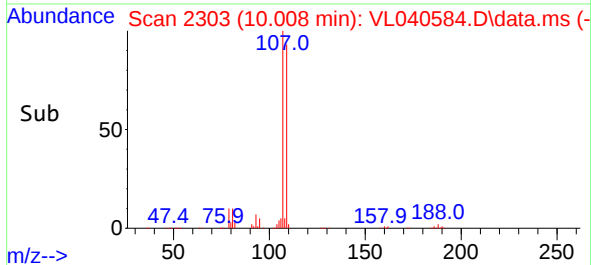
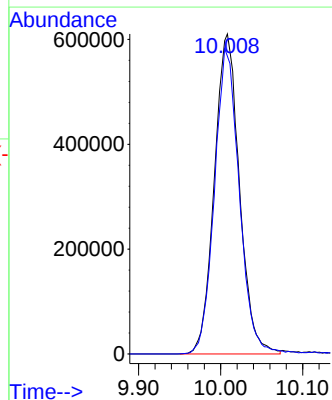
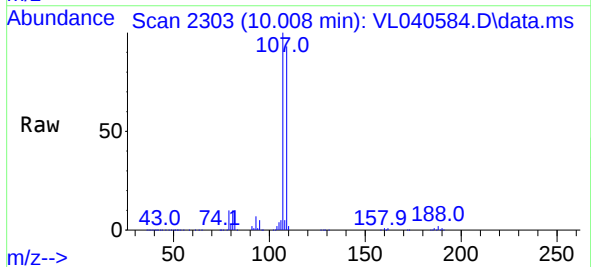
Instrument : MSVOA_1
ClientSampleId : VSTDCCC010

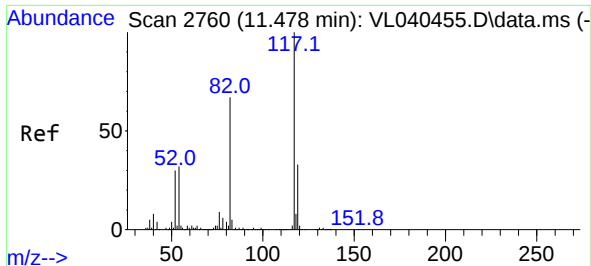
Tgt Ion: 91 Resp: 2666049
Ion Ratio Lower Upper
91 100
92 60.9 49.1 73.7



#54
1,2-Dibromoethane
Concen: 9.941 ppbv
RT: 10.008 min Scan# 2303
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 107 Resp: 1297737
Ion Ratio Lower Upper
107 100
109 93.0 75.4 113.2

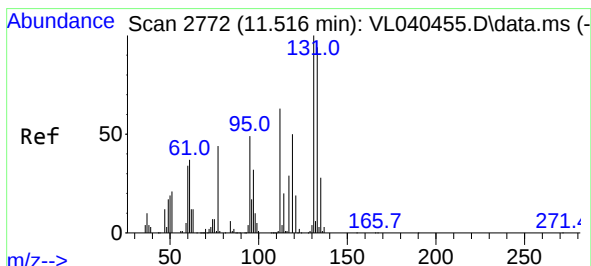
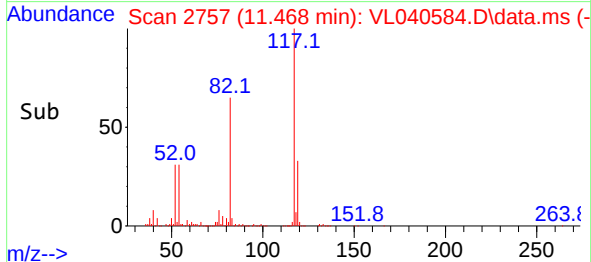
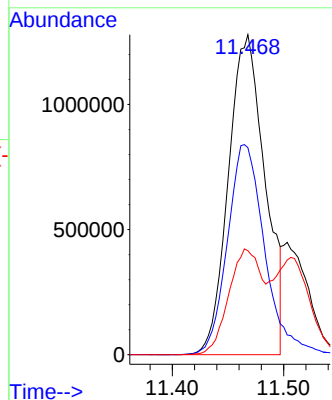
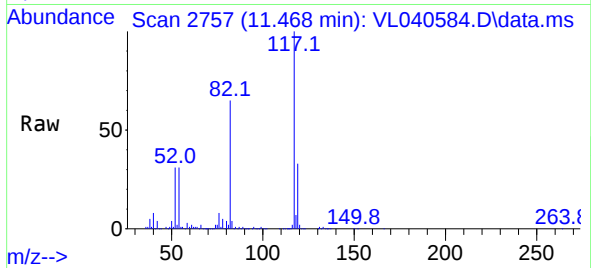




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 211
Delta R.T. -0.010 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

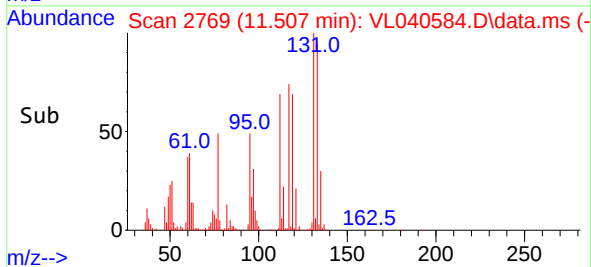
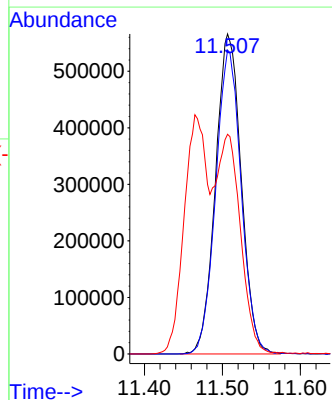
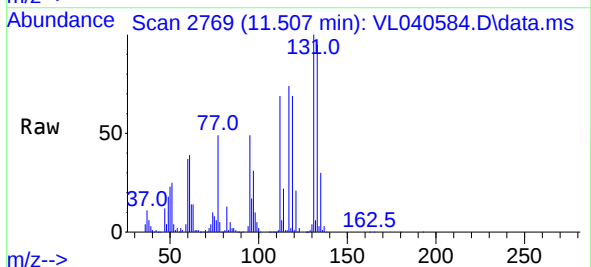
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

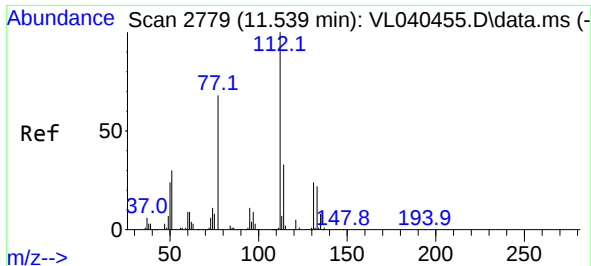
Tgt Ion:117 Resp: 2926433
Ion Ratio Lower Upper
117 100
82 67.3 50.2 75.4
119 33.5 26.9 40.3



#56
1,1,1,2-Tetrachloroethane
Concen: 9.871 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion:131 Resp: 1293685
Ion Ratio Lower Upper
131 100
133 94.5 76.3 114.5
119 68.1 51.1 76.7

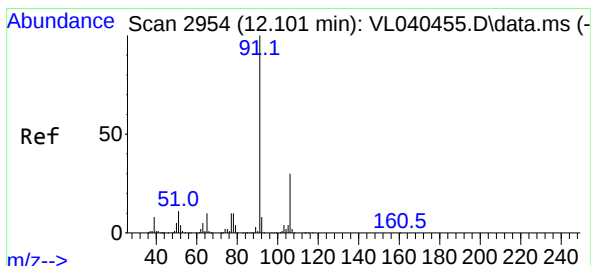
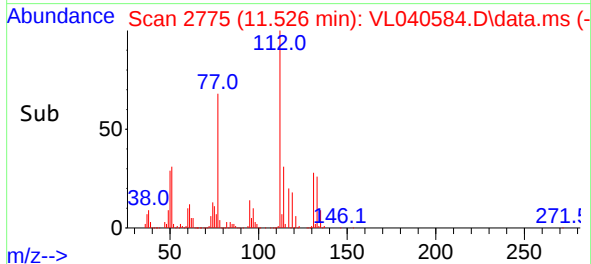
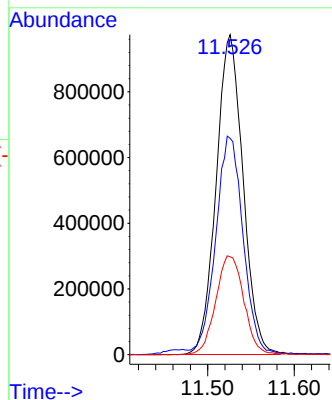
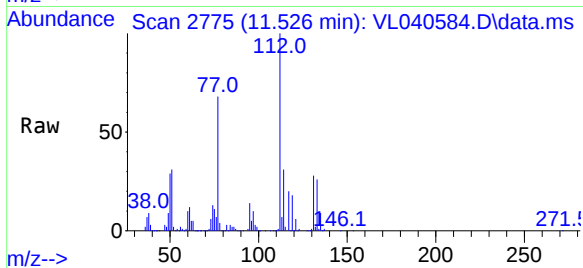




#57
Chlorobenzene
Concen: 9.190 ppbv
RT: 11.526 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

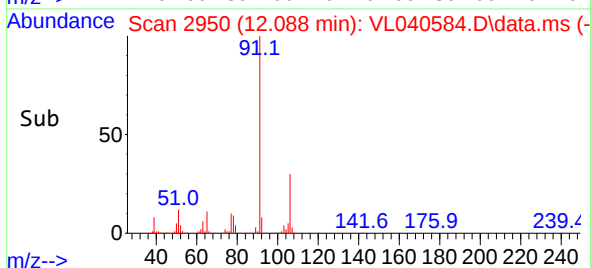
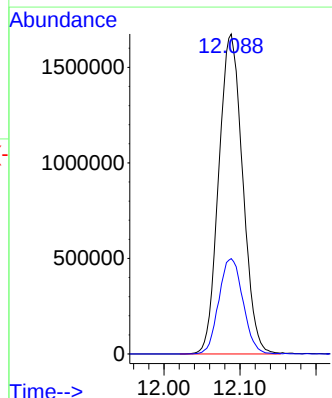
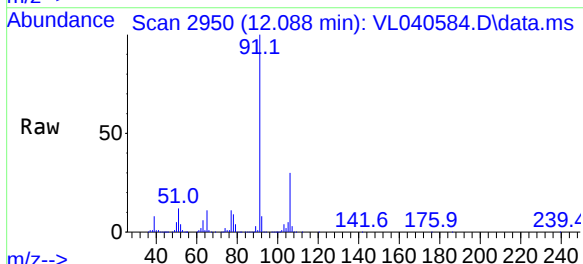
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

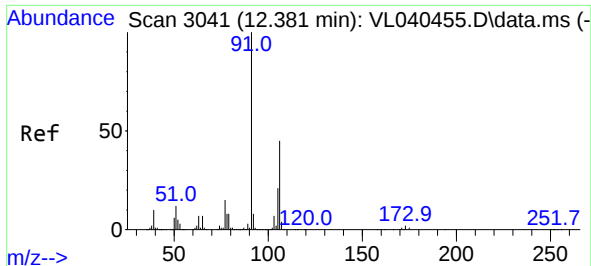
Tgt Ion:112 Resp: 2097295
Ion Ratio Lower Upper
112 100
77 67.1 51.0 76.6
114 30.5 28.3 34.5



#58
Ethyl Benzene
Concen: 9.963 ppbv
RT: 12.088 min Scan# 2950
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 91 Resp: 3658844
Ion Ratio Lower Upper
91 100
106 29.8 25.4 38.0

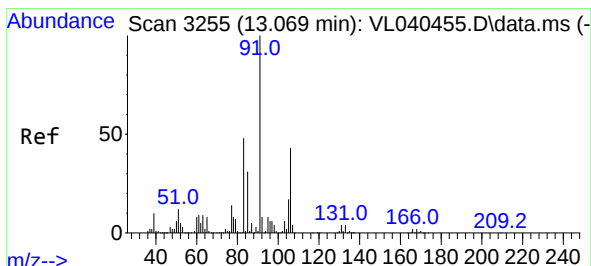
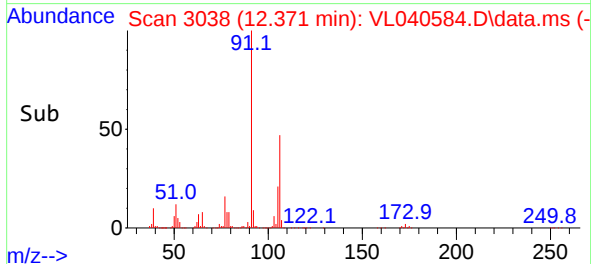
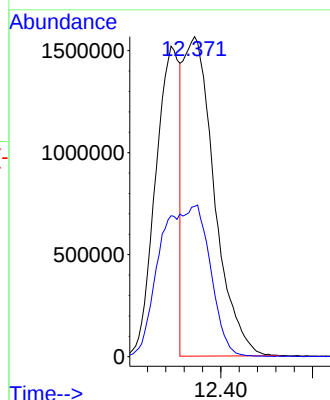
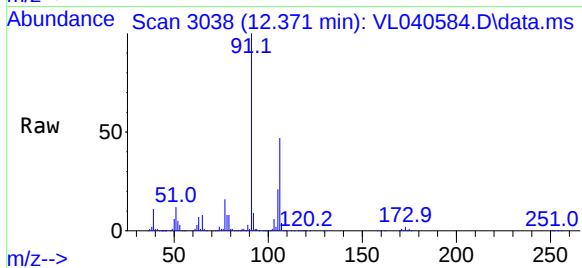




#59
m/p-Xylene
Concen: 11.192 ppbv
RT: 12.371 min Scan# 3041
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

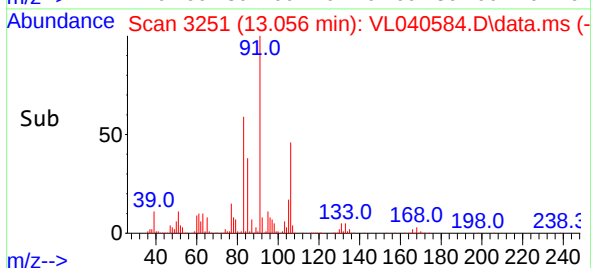
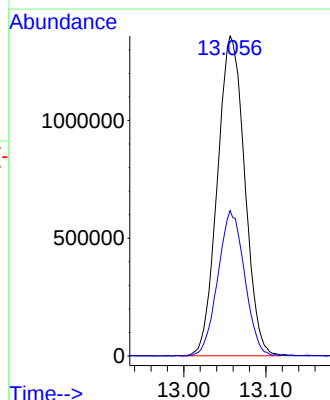
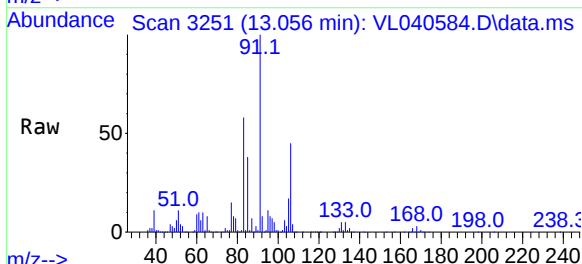
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

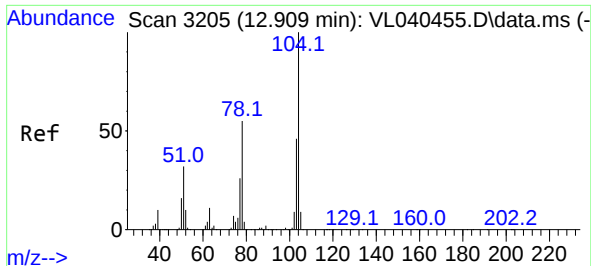
Tgt Ion: 91 Resp: 3668569
Ion Ratio Lower Upper
91 100
106 77.2 35.9 53.9#



#60
o-Xylene
Concen: 10.051 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 91 Resp: 3138548
Ion Ratio Lower Upper
91 100
106 44.4 22.7 68.0

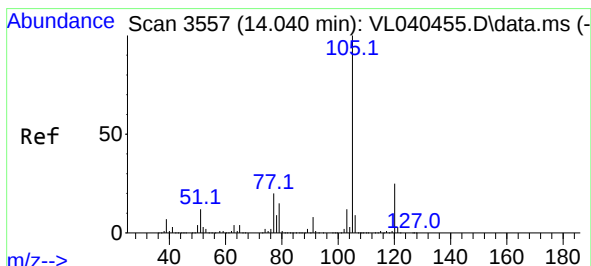
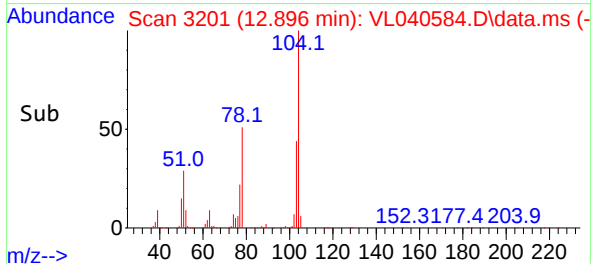
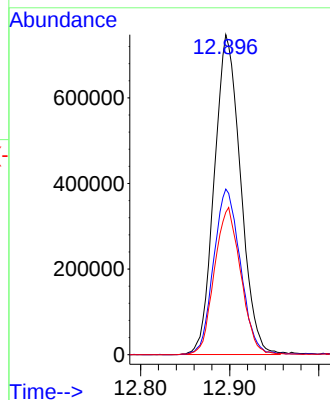
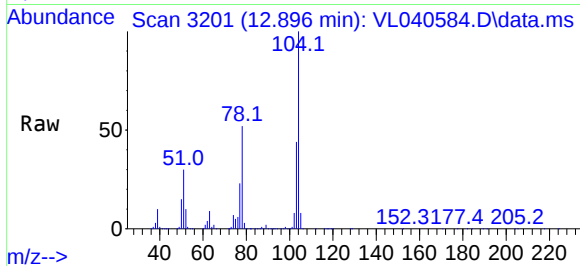




#61
Styrene
Concen: 10.647 ppbv
RT: 12.896 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

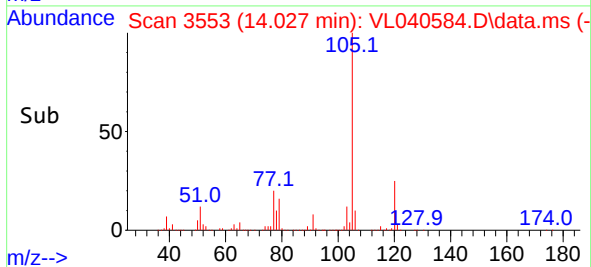
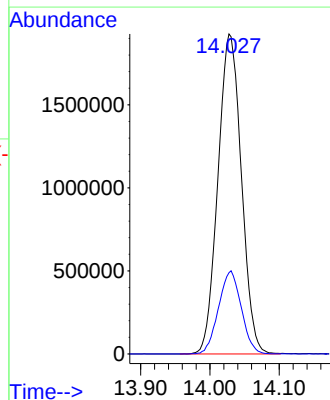
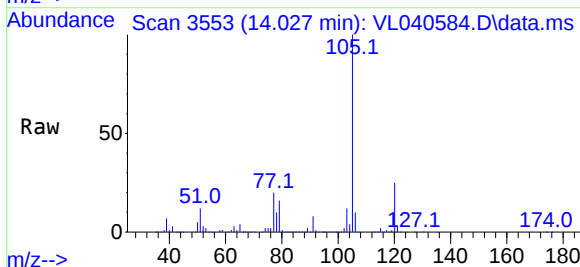
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

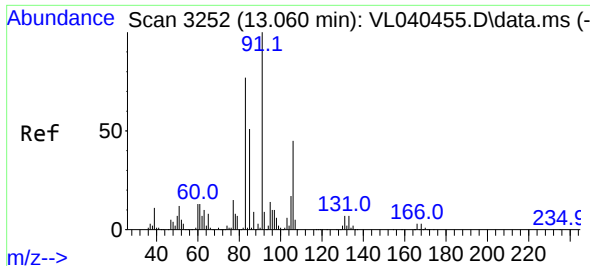
Tgt Ion:104 Resp: 1533492
Ion Ratio Lower Upper
104 100
78 52.9 40.1 60.1
103 46.3 37.0 55.4



#62
Isopropylbenzene
Concen: 9.676 ppbv
RT: 14.027 min Scan# 3553
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion:105 Resp: 4528467
Ion Ratio Lower Upper
105 100
120 25.2 20.8 31.2

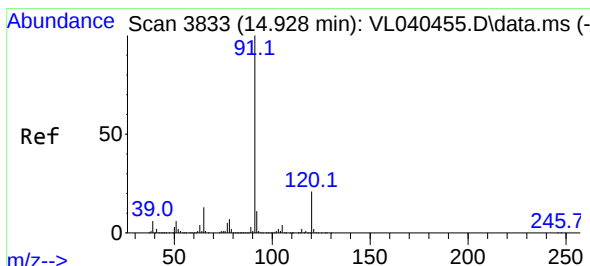
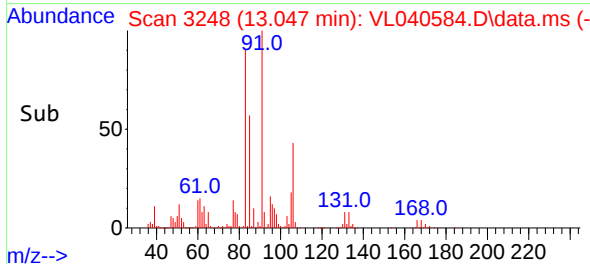
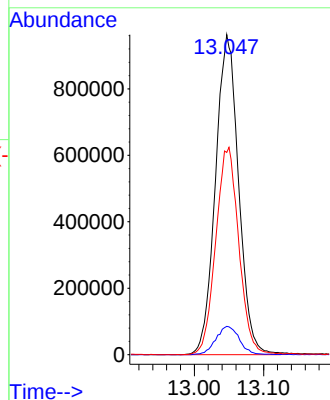
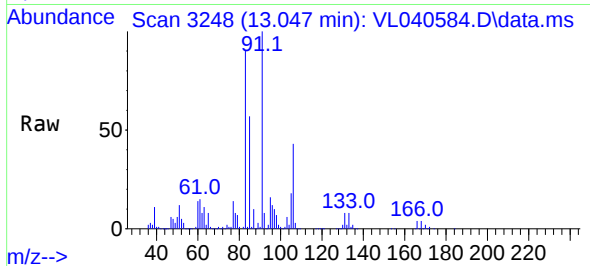




#63
1,1,2,2-Tetrachloroethane
Concen: 10.209 ppbv
RT: 13.047 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

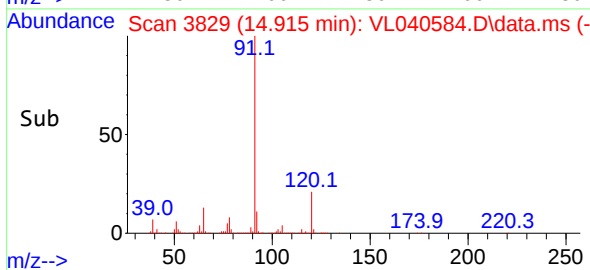
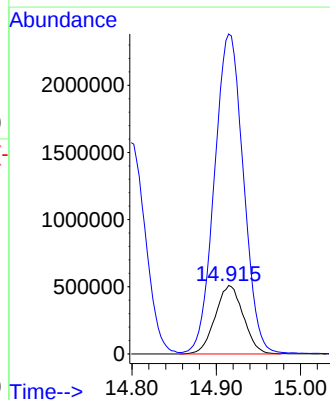
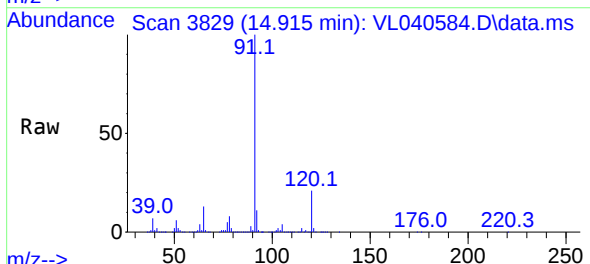
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

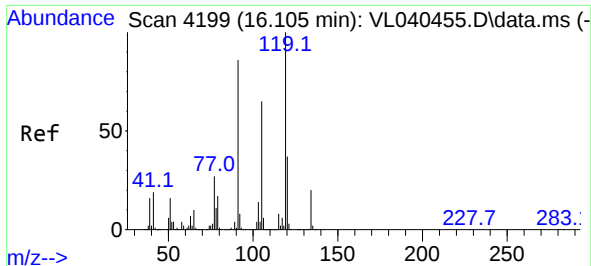
Tgt Ion: 83 Resp: 2232472
Ion Ratio Lower Upper
83 100
131 9.0 4.6 13.8
85 65.2 32.8 98.3



#64
n-propylbenzene
Concen: 9.696 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion:120 Resp: 1174025
Ion Ratio Lower Upper
120 100
91 486.9 374.3 561.5

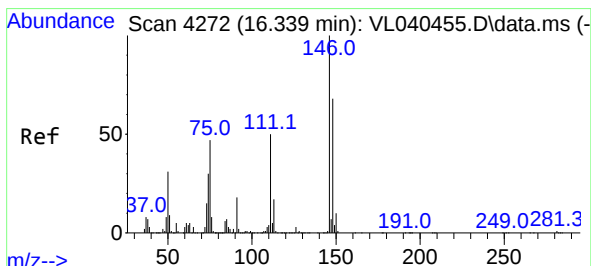
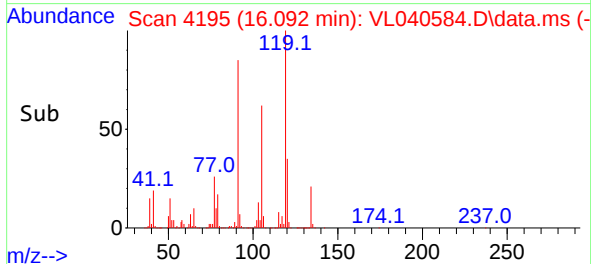
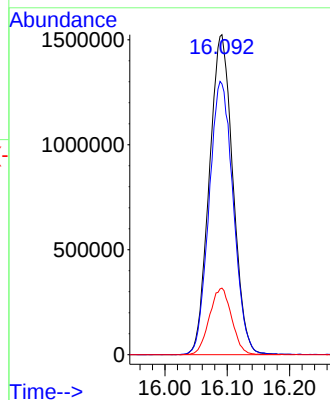
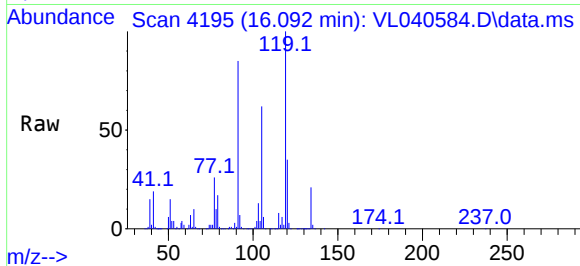




#65
tert-Butylbenzene
Concen: 9.653 ppbv
RT: 16.092 min Scan# 4199
Delta R.T. -0.010 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

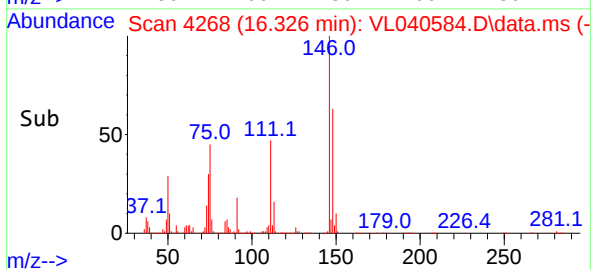
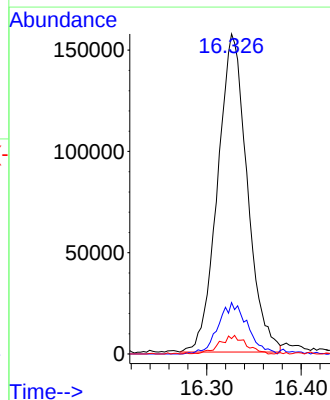
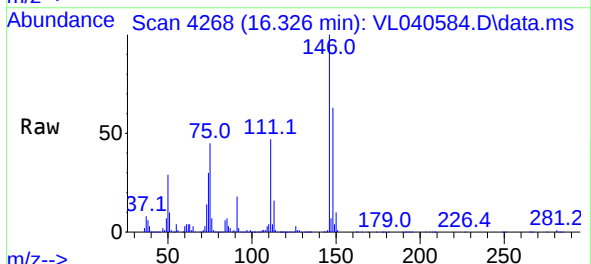
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

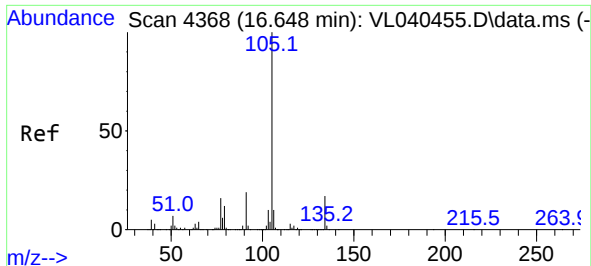
Tgt Ion:119 Resp: 3999613
Ion Ratio Lower Upper
119 100
91 87.6 66.1 99.1
134 19.7 15.7 23.5



#66
Benzyl Chloride
Concen: 11.634 ppbv
RT: 16.326 min Scan# 4268
Delta R.T. -0.010 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 91 Resp: 340988
Ion Ratio Lower Upper
91 100
126 16.7 15.4 23.2
128 5.5 4.5 6.7

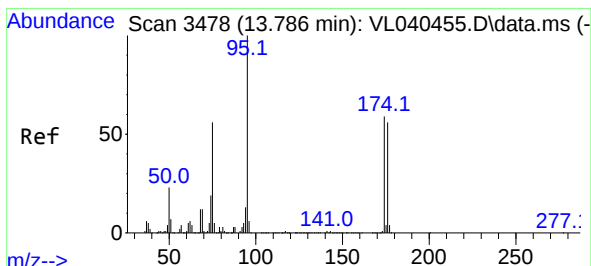
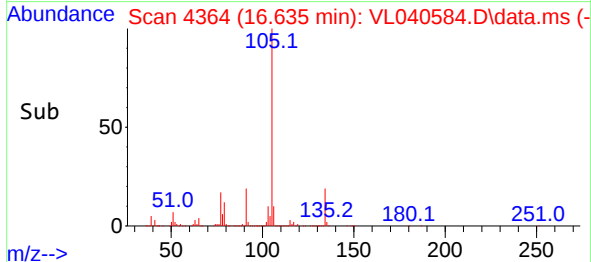
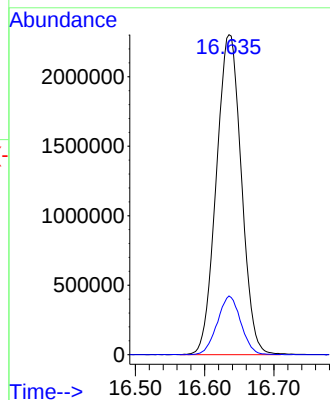
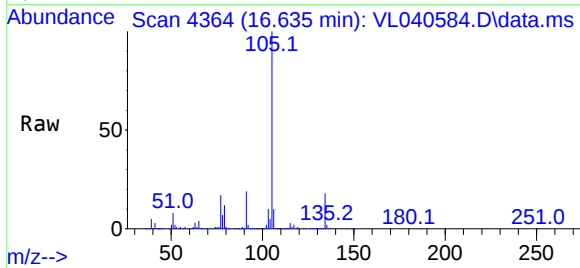




#67
 sec-Butylbenzene
 Concen: 9.490 ppbv
 RT: 16.635 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL040584.D
 Acq: 4 Aug 2023 8:30

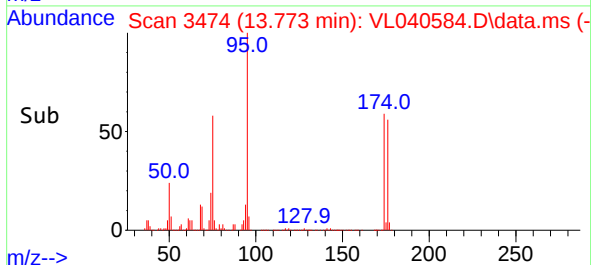
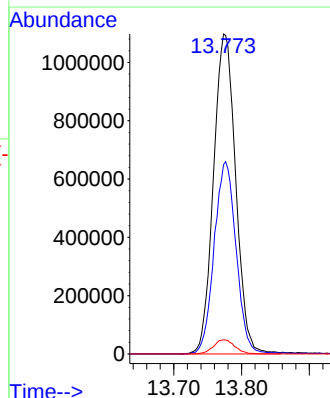
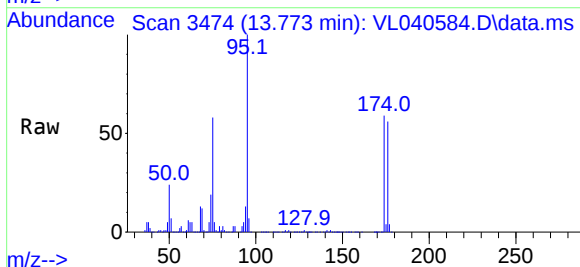
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

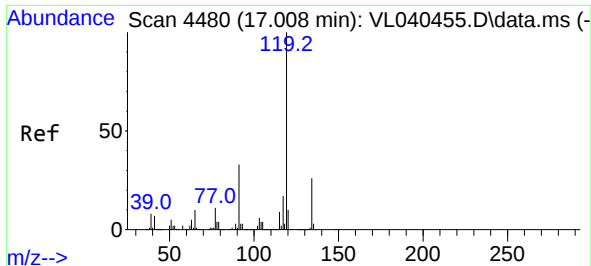
Tgt Ion:105 Resp: 5777309
 Ion Ratio Lower Upper
 105 100
 134 17.4 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.796 ppbv
 RT: 13.773 min Scan# 3474
 Delta R.T. -0.010 min
 Lab File: VL040584.D
 Acq: 4 Aug 2023 8:30

Tgt Ion: 95 Resp: 2500464
 Ion Ratio Lower Upper
 95 100
 174 59.6 50.6 75.8
 175 4.3 3.7 5.5

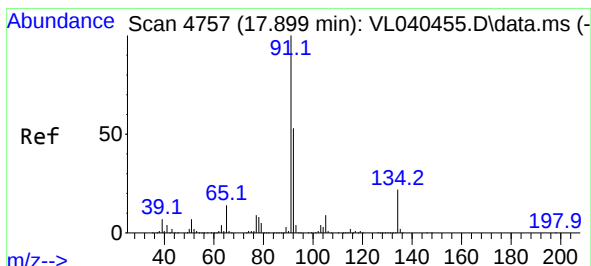
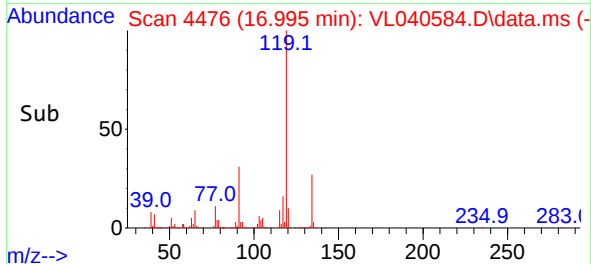
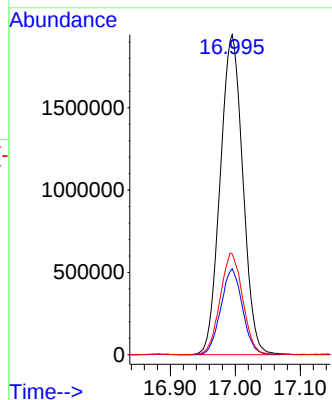
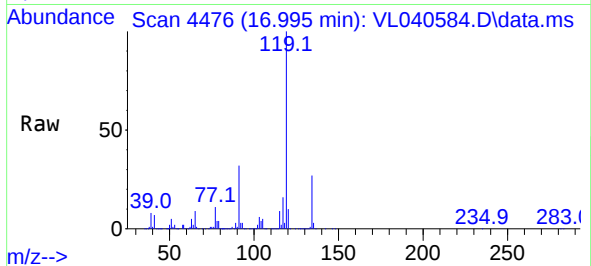




#69
p-Isopropyltoluene
Concen: 9.314 ppbv
RT: 16.995 min Scan# 4480
Delta R.T. -0.010 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

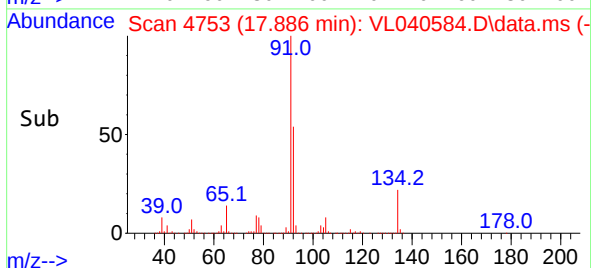
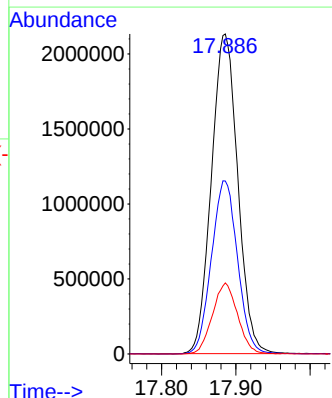
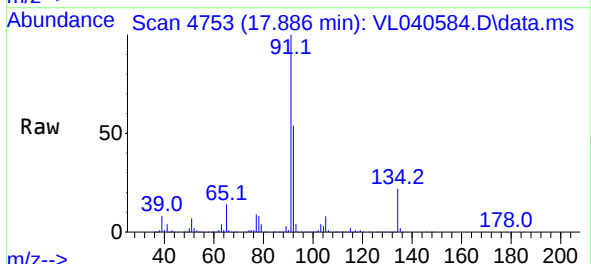
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

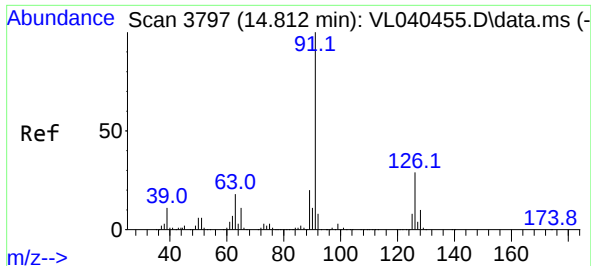
Tgt Ion:119 Resp: 4685693
Ion Ratio Lower Upper
119 100
134 25.8 20.5 30.7
91 31.6 23.8 35.8



#70
n-Butylbenzene
Concen: 9.365 ppbv
RT: 17.886 min Scan# 4753
Delta R.T. -0.010 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 91 Resp: 5254285
Ion Ratio Lower Upper
91 100
92 53.8 43.4 65.0
134 21.3 18.1 27.1

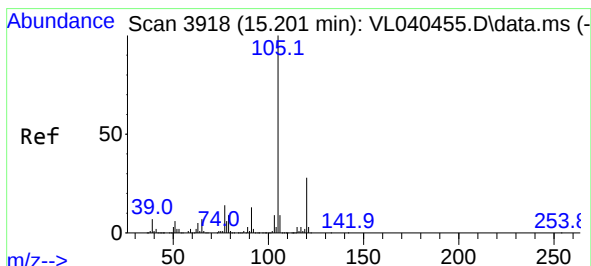
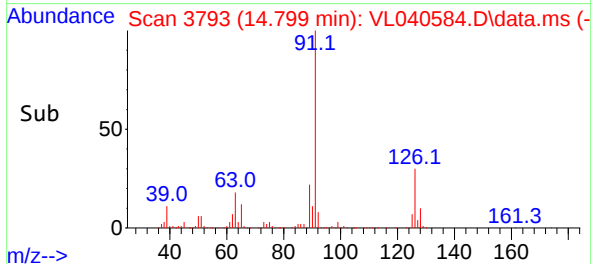
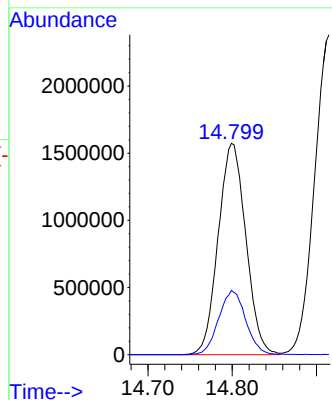
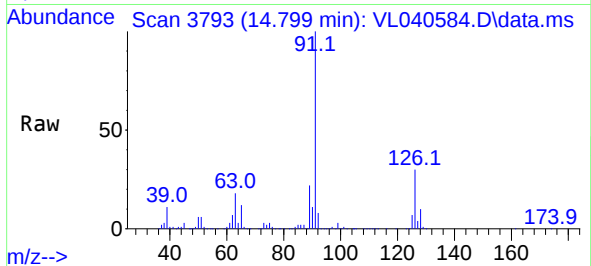




#71
2-Chlorotoluene
Concen: 9.922 ppbv
RT: 14.799 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

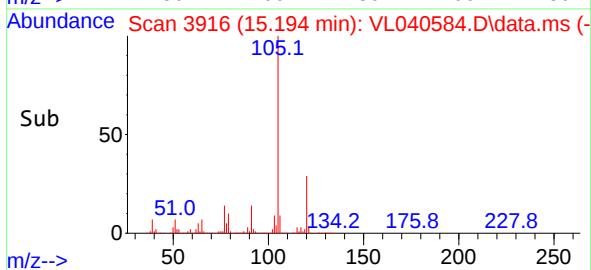
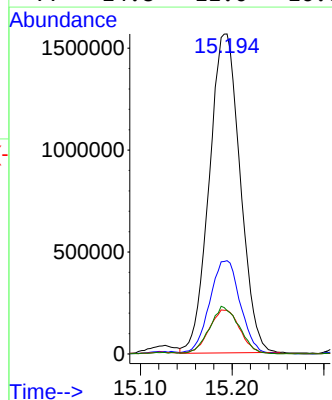
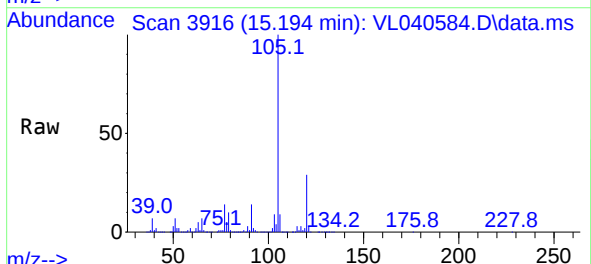
Instrument :
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ClientSampleId :
VSTDCCC010

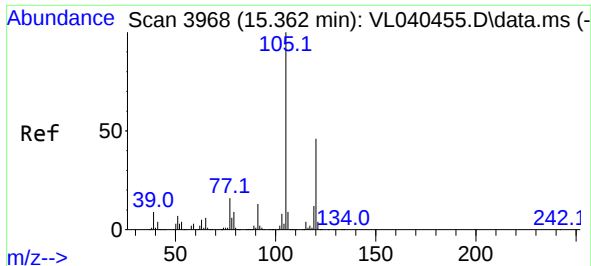
Tgt Ion: 91 Resp: 3578662
Ion Ratio Lower Upper
91 100
126 29.7 12.4 49.8



#72
4-Ethyltoluene
Concen: 9.994 ppbv
RT: 15.194 min Scan# 3916
Delta R.T. -0.010 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion: 105 Resp: 3658134
Ion Ratio Lower Upper
105 100
120 30.0 24.6 37.0
91 14.5 10.7 16.1
77 14.8 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 9.912 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. -0.010 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_1

ClientSampleId :

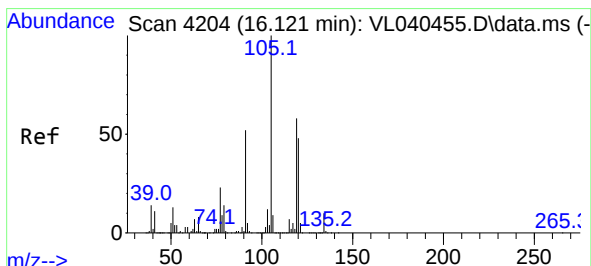
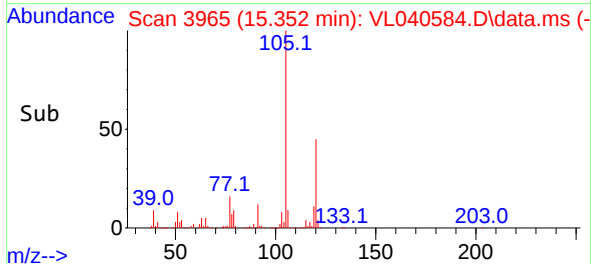
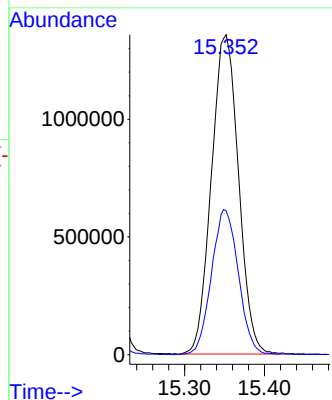
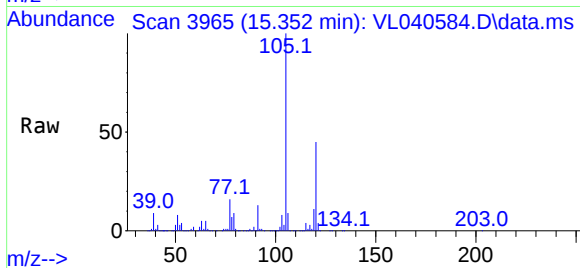
VSTDCCC010

Tgt Ion:105 Resp: 3197870

Ion Ratio Lower Upper

105 100

120 44.9 38.2 57.2



#74

1,2,4-Trimethylbenzene

Concen: 9.670 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. -0.010 min

Lab File: VL040584.D

Acq: 4 Aug 2023 8:30

Tgt Ion:105 Resp: 3637451

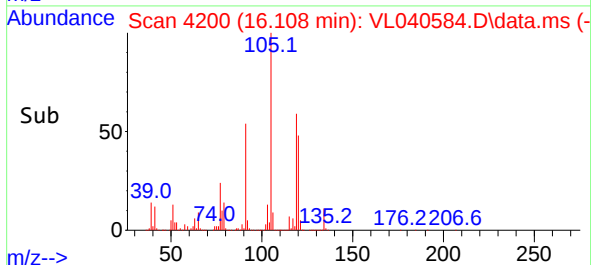
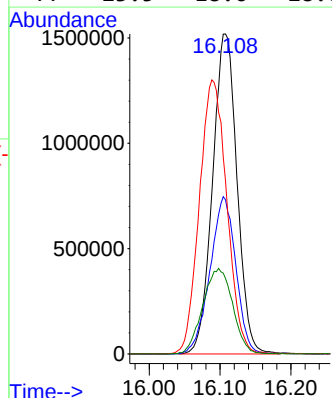
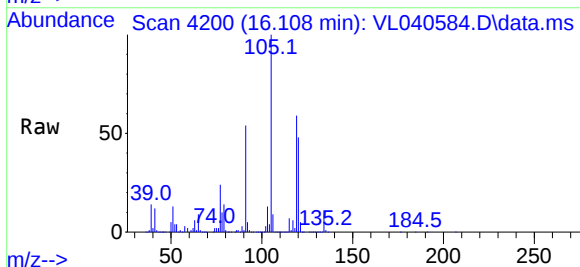
Ion Ratio Lower Upper

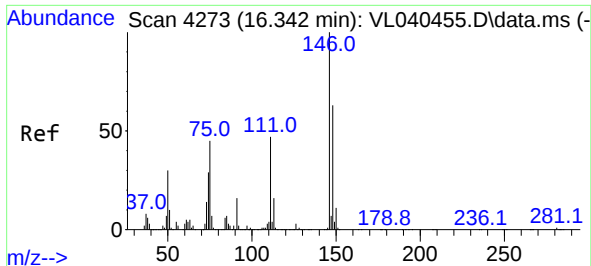
105 100

120 48.1 40.3 60.5

91 54.1 46.8 70.2

77 23.5 18.6 28.0

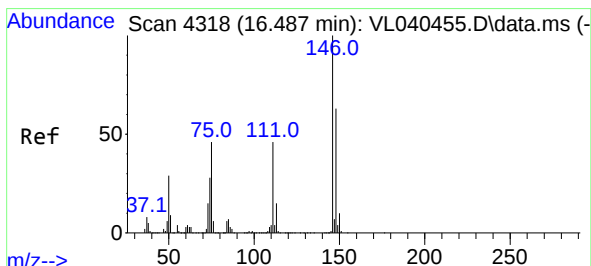
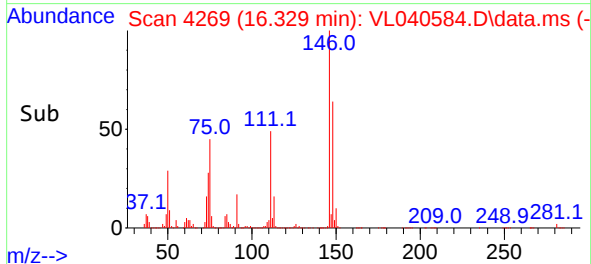
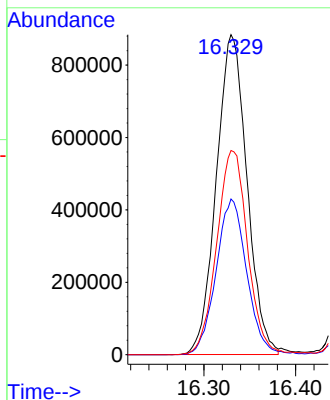
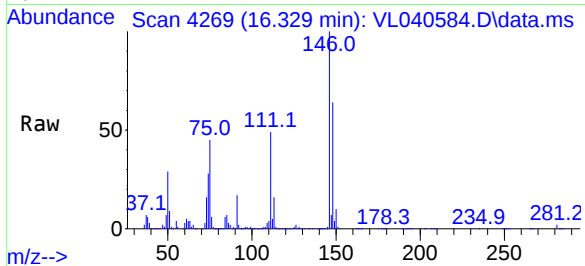




#75
1,3-Dichlorobenzene
Concen: 8.991 ppbv
RT: 16.329 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

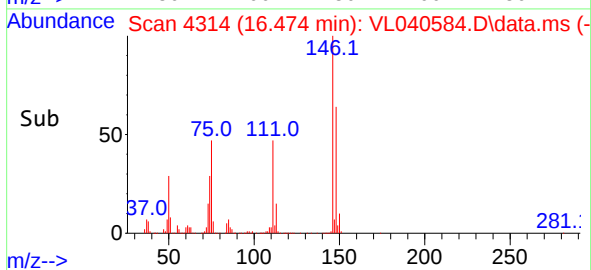
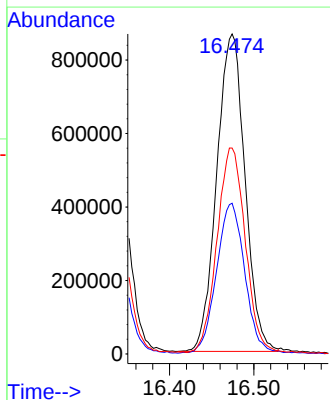
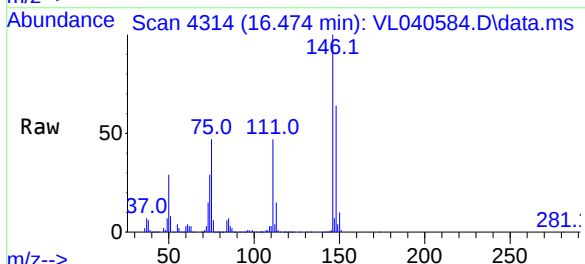
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

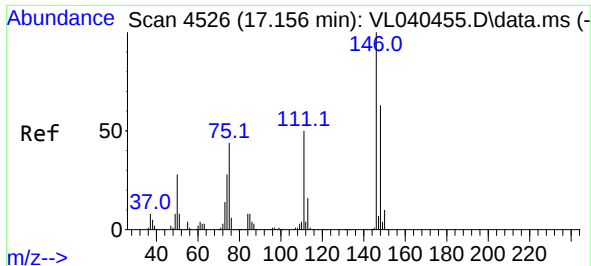
Tgt Ion:146 Resp: 2050511
Ion Ratio Lower Upper
146 100
111 48.8 23.6 71.0
148 64.7 32.2 96.6



#76
1,4-Dichlorobenzene
Concen: 8.985 ppbv
RT: 16.474 min Scan# 4314
Delta R.T. -0.013 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion:146 Resp: 2009339
Ion Ratio Lower Upper
146 100
111 48.0 22.8 68.3
148 66.1 32.6 97.8

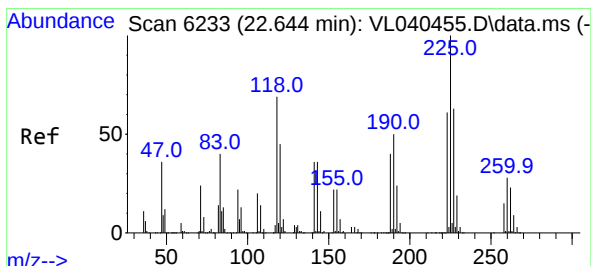
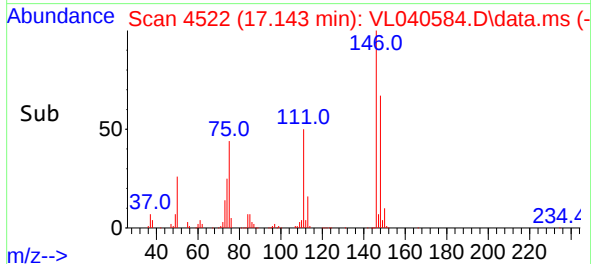
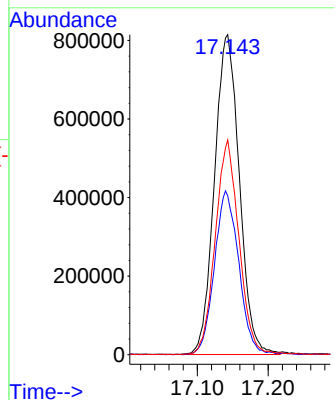
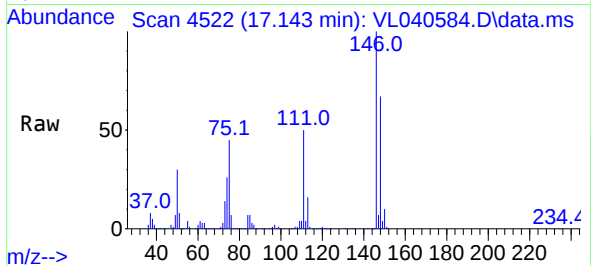




#77
1,2-Dichlorobenzene
Concen: 9.099 ppbv
RT: 17.143 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

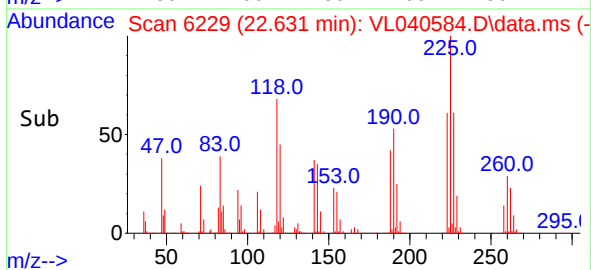
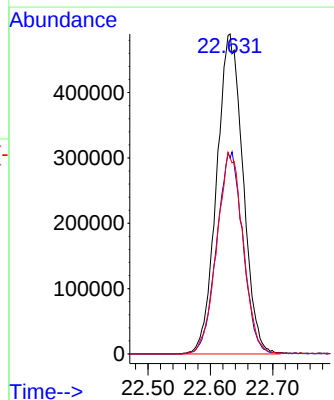
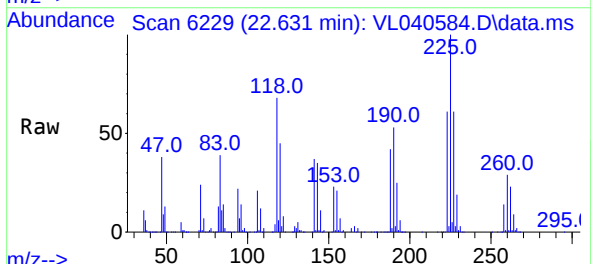
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

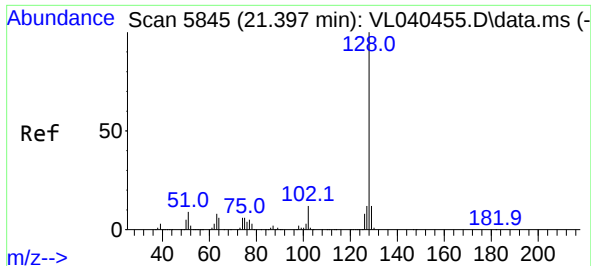
Tgt Ion:146 Resp: 1984423
Ion Ratio Lower Upper
146 100
111 50.3 24.3 72.8
148 64.3 32.1 96.3



#78
Hexachloro-1,3-Butadiene
Concen: 7.010 ppbv
RT: 22.631 min Scan# 6229
Delta R.T. -0.016 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion:225 Resp: 1435624
Ion Ratio Lower Upper
225 100
223 63.0 50.3 75.5
227 63.1 51.0 76.6

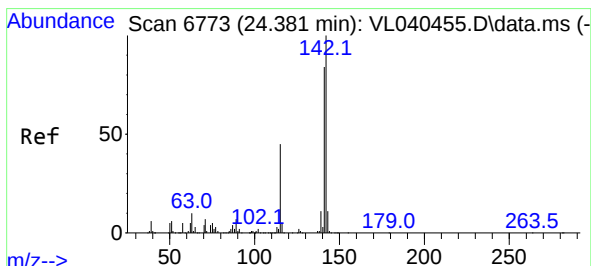
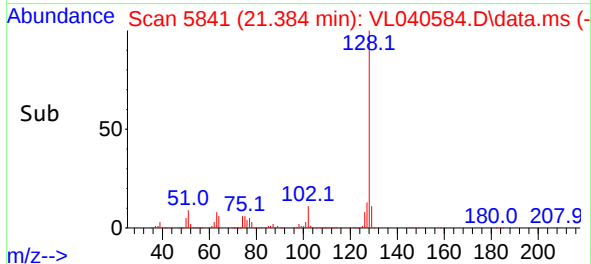
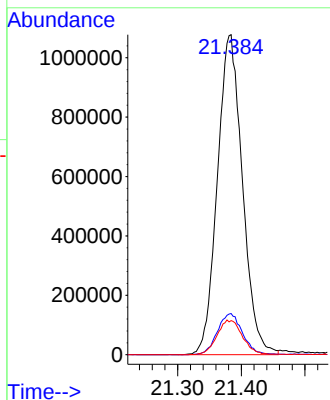
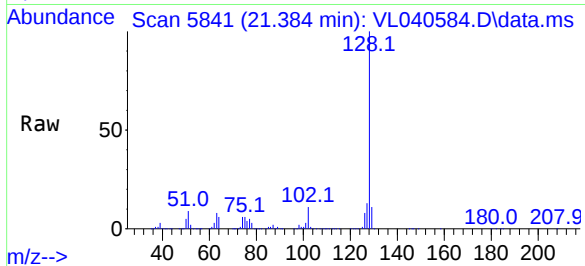




#79
Naphthalene
Concen: 9.277 ppbv
RT: 21.384 min Scan# 5845
Delta R.T. -0.010 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

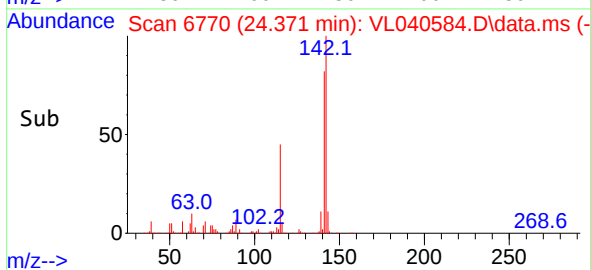
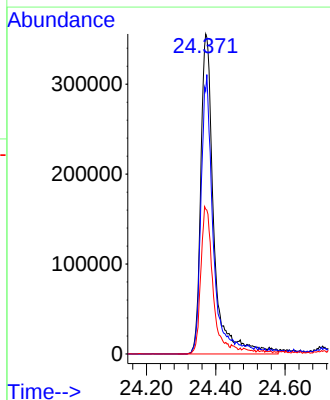
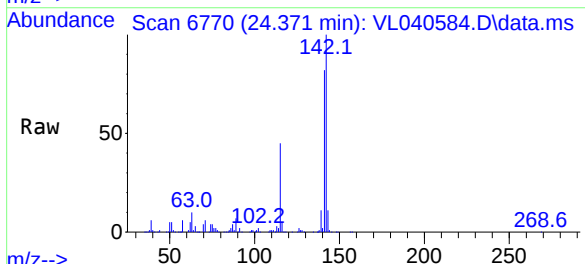
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

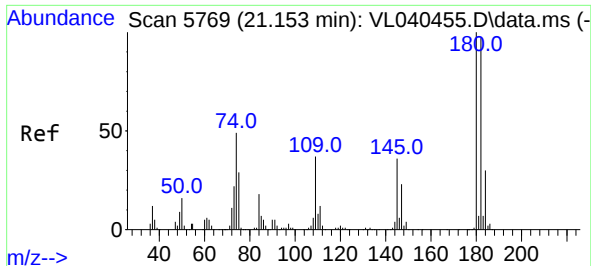
Tgt Ion:128 Resp: 2952532
Ion Ratio Lower Upper
128 100
127 12.9 10.7 16.1
129 10.7 9.2 13.8



#80
Naphthalene,2-methyl-
Concen: 7.112 ppbv
RT: 24.371 min Scan# 6770
Delta R.T. -0.007 min
Lab File: VL040584.D
Acq: 4 Aug 2023 8:30

Tgt Ion:142 Resp: 933286
Ion Ratio Lower Upper
142 100
141 81.8 66.7 100.1
115 43.5 33.0 49.6





#81

1,2,4-Trichlorobenzene

Concen: 7.831 ppbv

RT: 21.140 min Scan# 51

Delta R.T. -0.010 min

Lab File: VL040584.D

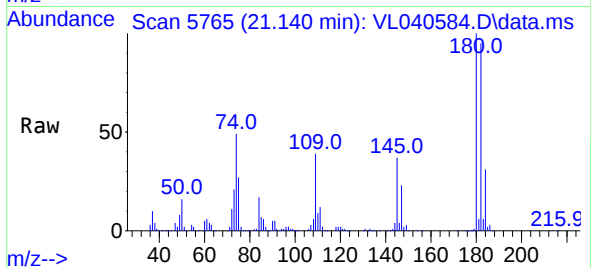
Acq: 4 Aug 2023 8:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 1717577

Ion Ratio Lower Upper

180 100

182 97.0 77.5 116.3

184 30.4 24.5 36.7

