

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
 Data File : VL040683.D
 Acq On : 14 Sep 2023 13:46
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Sep 15 05:48:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 14 19:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1175923	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2996181	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3488167	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2288772	8.493	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	2419577	9.339	ppbv	100
3) Chlorodifluoromethane	2.665	51	1716313	8.959	ppbv	100
4) Chloromethane	2.803	50	667781	9.105	ppbv	100
5) Vinyl Chloride	2.909	62	738906	8.525	ppbv	100
6) Bromomethane	3.108	94	405262	9.691	ppbv	100
7) Chloroethane	3.189	64	277594	9.324	ppbv	100
8) Dichlorotetrafluoroethane	2.848	85	1981695	9.265	ppbv	100
9) Propene	2.684	41	493361	8.940	ppbv	100
10) Heptane	7.574	43	1256339	10.103	ppbv	100
11) Trichlorofluoromethane	3.552	101	2143449	9.411	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.057	101	1522129	9.342	ppbv	100
13) Ethanol	3.227	45	145787	8.925	ppbv	97
14) Bromoethene	3.356	108	652686	9.551	ppbv	100
15) Acetone	3.455	43	1326105	8.550	ppbv	100
16) 1,3-Butadiene	2.973	39	687278	10.167	ppbv	100
17) tert-Butyl alcohol	3.867	59	1544005	9.718	ppbv	100
18) 1,1-Dichloroethene	3.870	96	688483	9.507	ppbv	100
19) Isopropyl Alcohol	3.565	45	951256	10.178	ppbv	100
20) Methylene Chloride	3.922	84	596347	7.143	ppbv	100
21) Allyl Chloride	3.986	41	915756	9.634	ppbv	100
22) trans-1,2-Dichloroethene	4.433	96	706343	9.864	ppbv	100
23) Vinyl Acetate	4.616	43	1556292	9.702	ppbv	100
24) 1,1-Dichloroethane	4.552	63	1415861	9.432	ppbv	100
25) Ethyl Acetate	5.195	43	2329326	9.311	ppbv	100
26) Hexane	5.205	57	1006889	8.512	ppbv	100
27) Carbon Disulfide	4.115	76	1719745	10.425	ppbv	100
28) Methyl tert-Butyl Ether	4.578	73	980768	9.637	ppbv	100
29) Chloroform	5.266	83	1899705	9.302	ppbv	100
30) Cyclohexane	6.594	84	869961	9.766	ppbv	100
31) cis-1,2-Dichloroethene	5.070	61	1060279	9.661	ppbv	100
32) 1,1,1-Trichloroethane	5.996	97	1940995	9.296	ppbv	100
34) 2-Butanone	4.777	43	1403471	9.314	ppbv	100
35) Carbon Tetrachloride	6.484	117	2057973	10.003	ppbv	100
36) Benzene	6.362	78	2131865	9.609	ppbv	100
37) 1,2-Dichloroethane	5.799	62	1459338	9.610	ppbv	100
38) Trichloroethene	7.285	130	915444	10.819	ppbv	100
39) 1,2-Dichloropropane	7.066	63	820034	9.602	ppbv	100
40) 1,4-Dioxane	7.279	88	368539	11.415	ppbv	# 100
41) Tetrahydrofuran	5.549	42	751022	9.720	ppbv	100
42) Bromodichloromethane	7.243	83	2073537	10.008	ppbv	100
43) Methyl Methacrylate	7.468	69	886491	10.749	ppbv	100
44) 2,2,4-Trimethylpentane	7.320	57	3544470	10.033	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	767696	12.005	ppbv	100

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	882266	11.276	ppbv	100
47) 1,1,2-Trichloroethane	8.896	97	955193	9.746	ppbv	100
48) Dibromochloromethane	9.703	129	1717461	10.623	ppbv	100
49) Bromoform	12.404	173	1482675	11.166	ppbv	100
50) 4-Methyl-2-Pentanone	8.172	43	2161594	10.616	ppbv	100
51) 2-Hexanone	9.545	43	1569123	11.165	ppbv	100
52) Tetrachloroethene	10.610	164	790140	10.918	ppbv	100
53) Toluene	9.217	91	2538829	10.838	ppbv	100
54) 1,2-Dibromoethane	10.002	107	1376935	11.007	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	1298581	7.810	ppbv	100
57) Chlorobenzene	11.523	112	2067828	7.828	ppbv	100
58) Ethyl Benzene	12.082	91	3536716	8.893	ppbv	100
59) m/p-Xylene	12.368	91	2386373	6.390	ppbv #	1
60) o-Xylene	13.053	91	3077163	8.640	ppbv	100
61) Styrene	12.896	104	1471009	9.856	ppbv	100
62) Isopropylbenzene	14.024	105	4476584	8.325	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	2221203	7.958	ppbv	100
64) n-propylbenzene	14.912	120	1152034	8.569	ppbv	100
65) tert-Butylbenzene	16.085	119	4040586	8.372	ppbv	100
66) Benzyl Chloride	16.323	91	500252	8.882	ppbv	100
67) sec-Butylbenzene	16.632	105	5704979	8.258	ppbv	100
69) p-Isopropyltoluene	16.992	119	4627903	8.523	ppbv	100
70) n-Butylbenzene	17.883	91	5025551	8.409	ppbv	100
71) 2-Chlorotoluene	14.796	91	3493873	8.782	ppbv	100
72) 4-Ethyltoluene	15.188	105	3589579	8.988	ppbv	100
73) 1,3,5-Trimethylbenzene	15.346	105	3130023	8.704	ppbv	100
74) 1,2,4-Trimethylbenzene	16.101	105	3570409	8.144	ppbv	100
75) 1,3-Dichlorobenzene	16.326	146	2041281	8.172	ppbv	100
76) 1,4-Dichlorobenzene	16.468	146	1969146	8.012	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	1947945	7.830	ppbv	100
78) Hexachloro-1,3-Butadiene	22.628	225	1380087	7.332	ppbv	100
79) Naphthalene	21.378	128	2862472	10.493	ppbv	100
80) Naphthalene,2-methyl-	24.374	142	788487	11.801	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	1531360	8.594	ppbv	99

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

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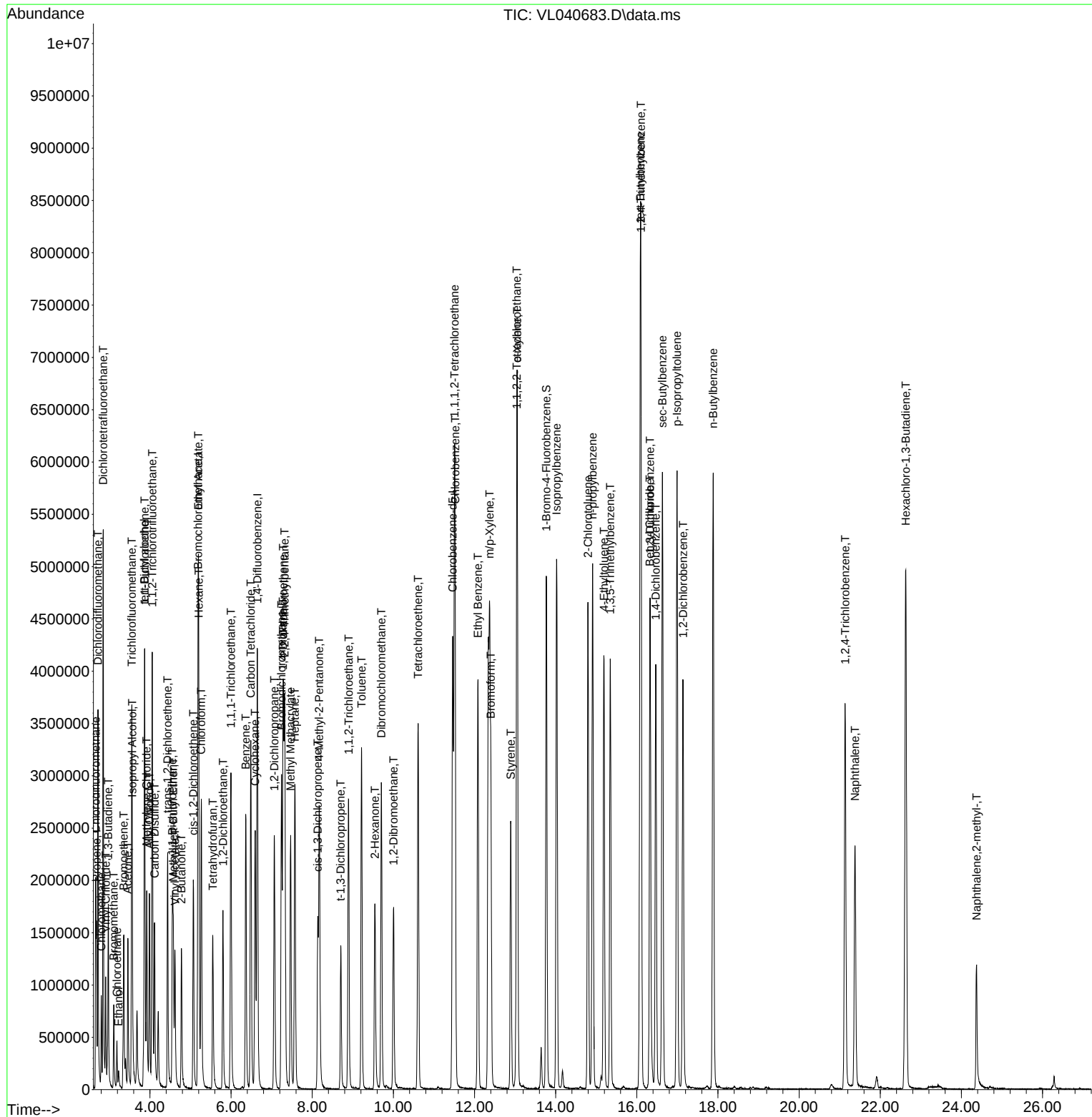
Quant Time: Sep 15 05:48:51 2023

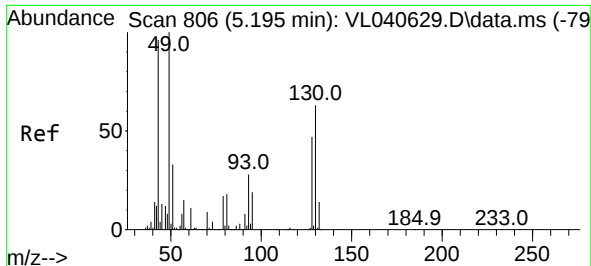
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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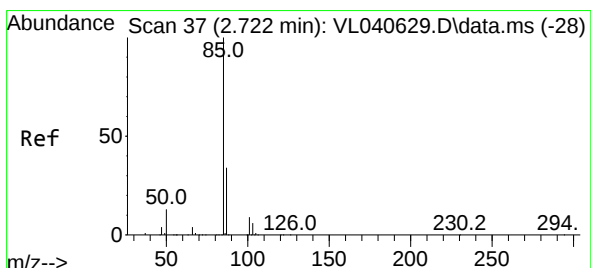
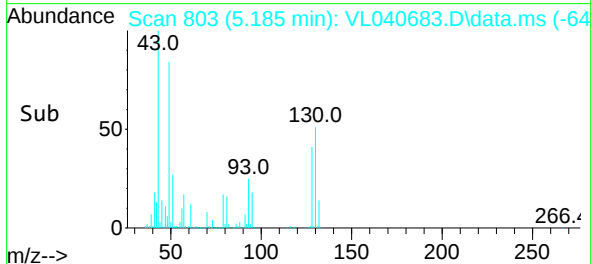
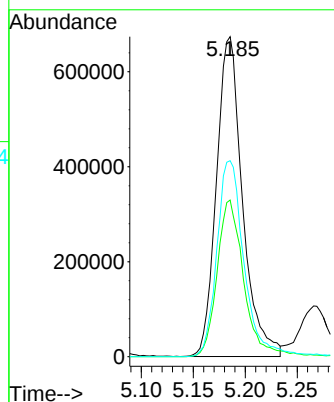
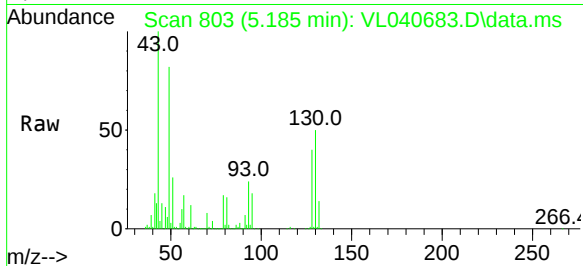




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

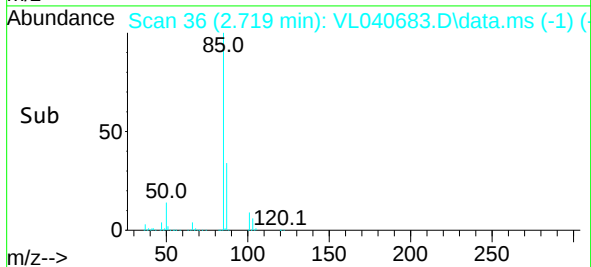
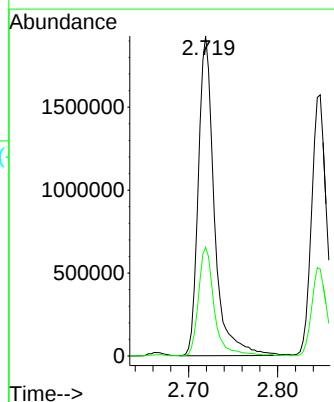
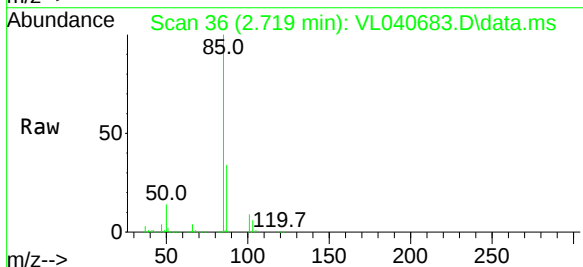
Instrument :
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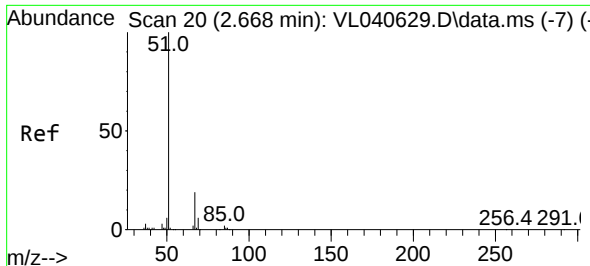
Tgt Ion: 49 Resp: 1175923
 Ion Ratio Lower Upper
 49 100
 128 50.9 25.4 76.0
 130 64.9 32.3 96.8



#2
 Dichlorodifluoromethane
 Concen: 9.339 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

Tgt Ion: 85 Resp: 2419577
 Ion Ratio Lower Upper
 85 100
 87 34.0 27.2 40.8

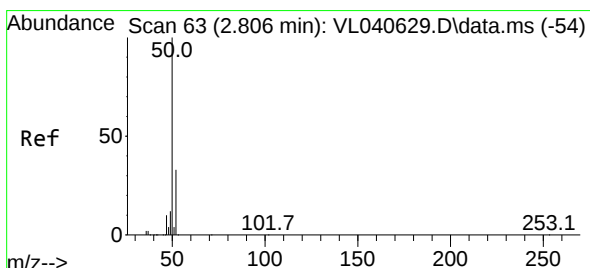
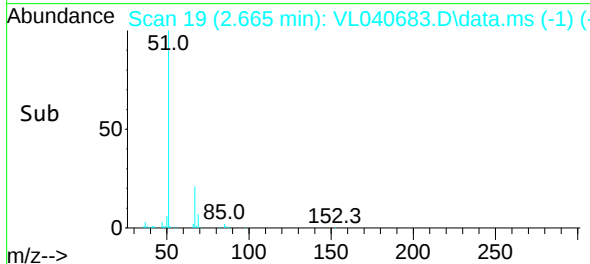
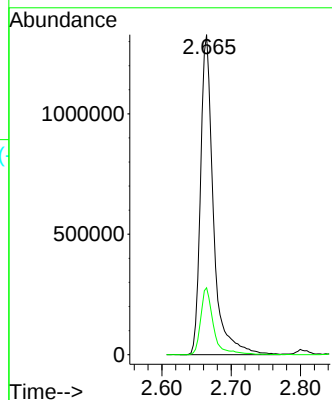
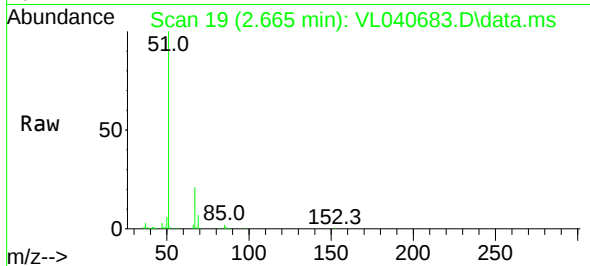




#3
Chlorodifluoromethane
Concen: 8.959 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

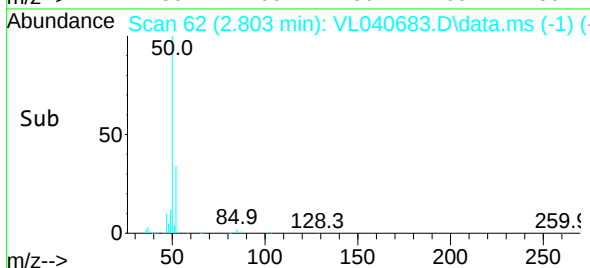
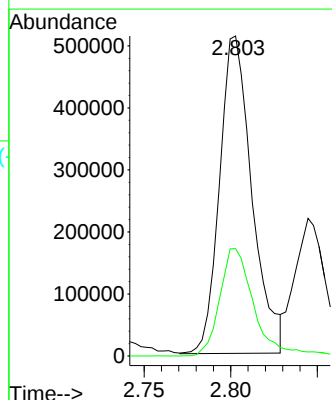
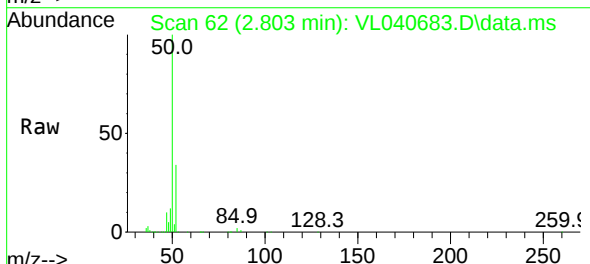
Instrument :
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ClientSampleId :
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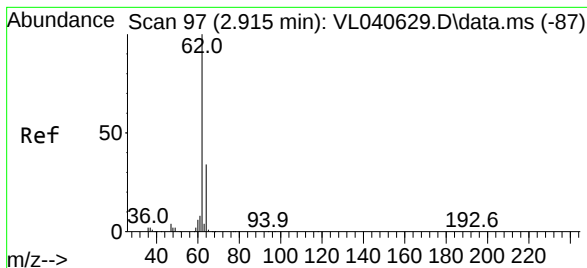
Tgt Ion: 51 Resp: 1716313
Ion Ratio Lower Upper
51 100
67 20.9 16.7 25.1



#4
Chloromethane
Concen: 9.105 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 50 Resp: 667781
Ion Ratio Lower Upper
50 100
52 33.9 27.1 40.7

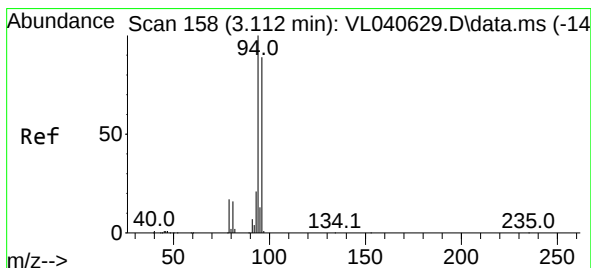
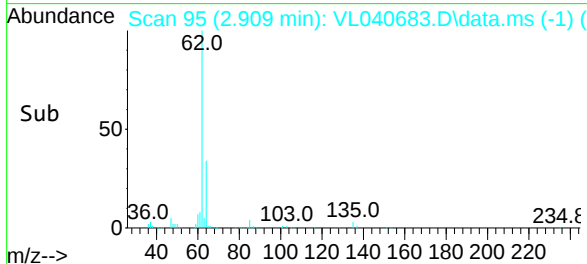
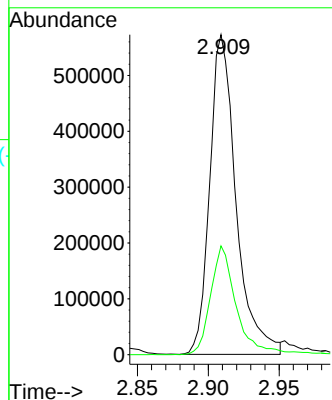
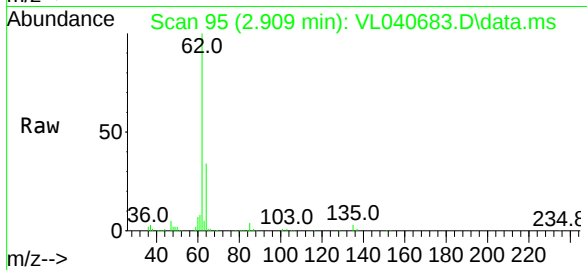




#5
 Vinyl Chloride
 Concen: 8.525 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

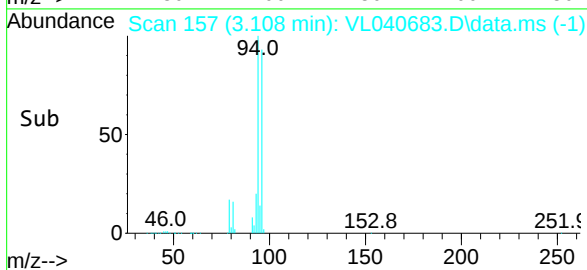
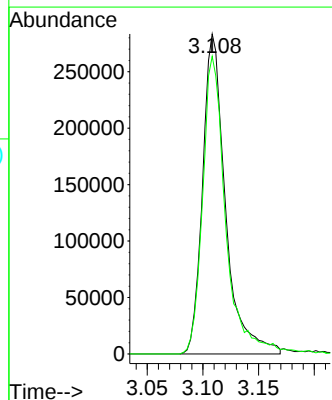
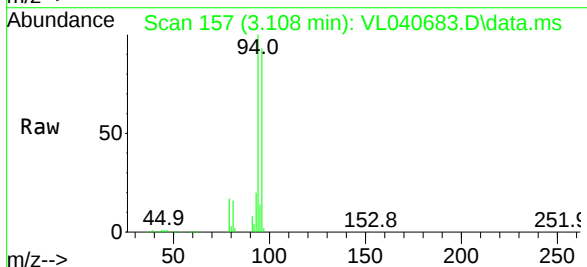
Instrument :
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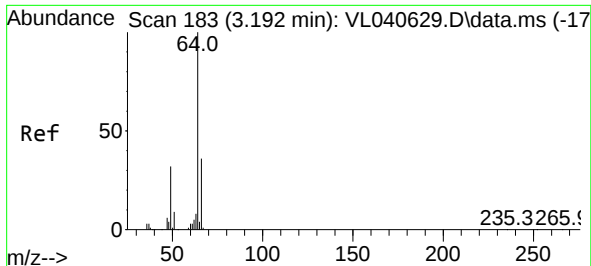
Tgt Ion: 62 Resp: 738906
 Ion Ratio Lower Upper
 62 100
 64 34.0 27.2 40.8



#6
 Bromomethane
 Concen: 9.691 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

Tgt Ion: 94 Resp: 405262
 Ion Ratio Lower Upper
 94 100
 96 93.0 74.4 111.6

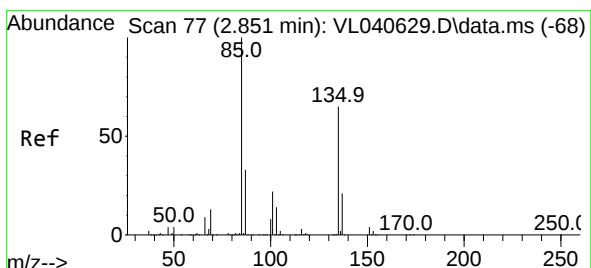
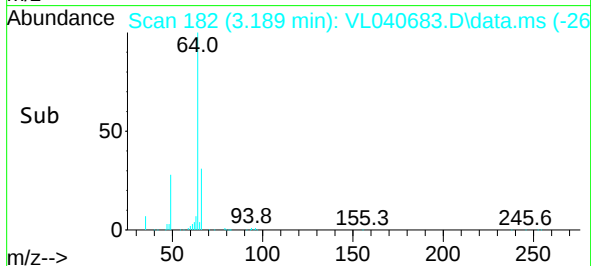
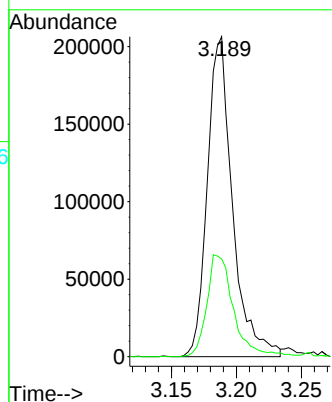
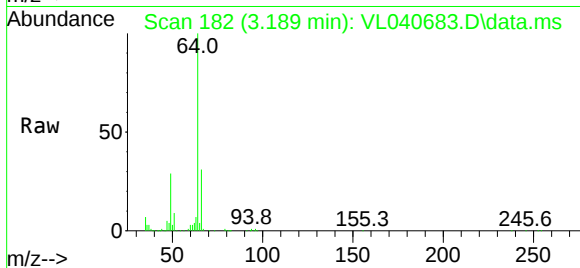




#7
Chloroethane
Concen: 9.324 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

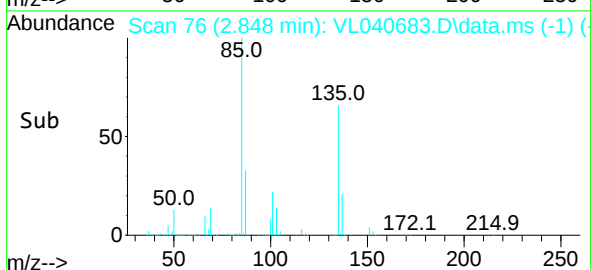
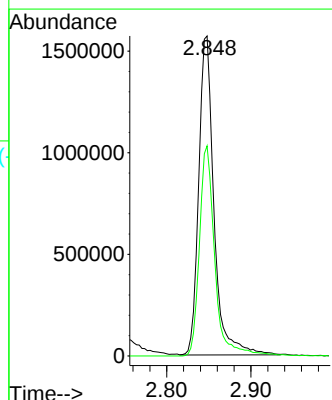
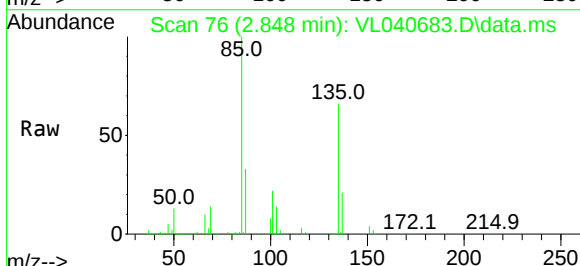
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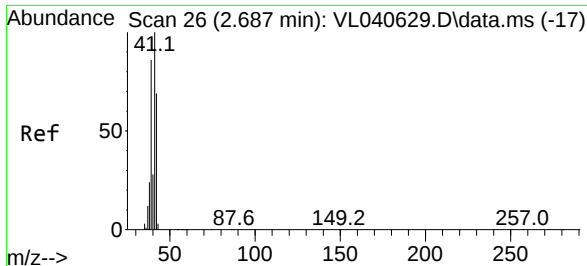
Tgt Ion: 64 Resp: 277594
Ion Ratio Lower Upper
64 100
66 30.6 24.5 36.7



#8
Dichlorotetrafluoroethane
Concen: 9.265 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 85 Resp: 1981695
Ion Ratio Lower Upper
85 100
135 66.8 53.4 80.2

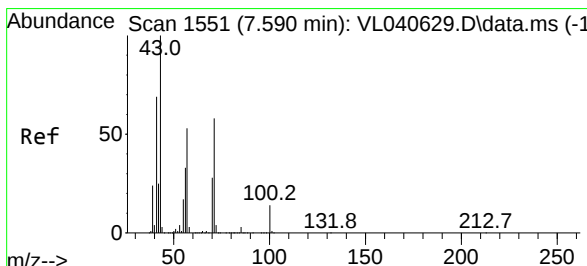
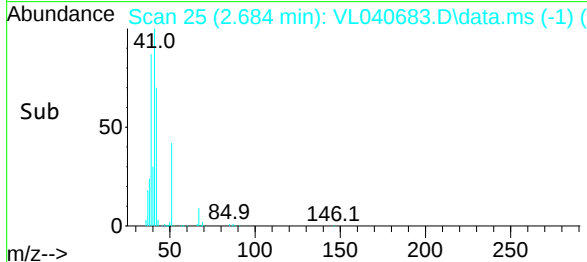
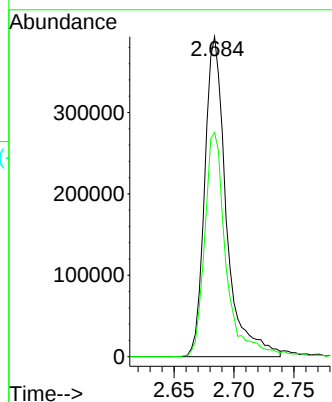
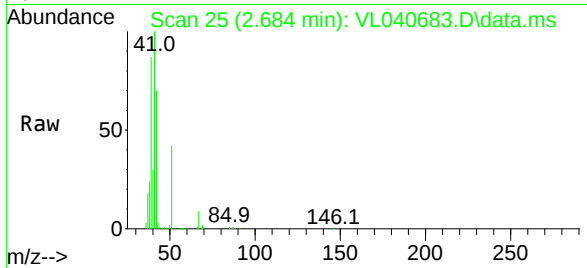




#9
 Propene
 Concen: 8.940 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

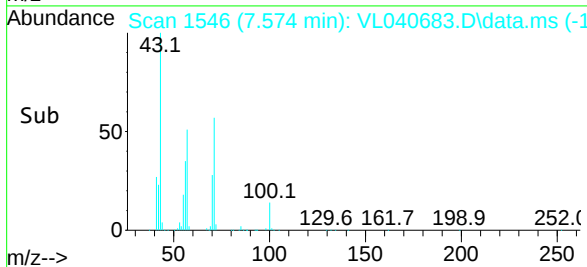
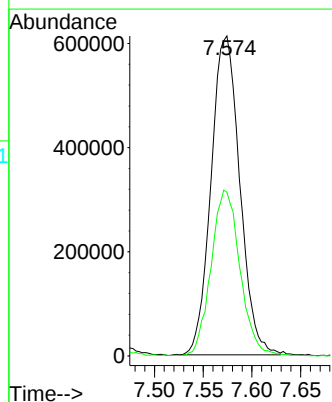
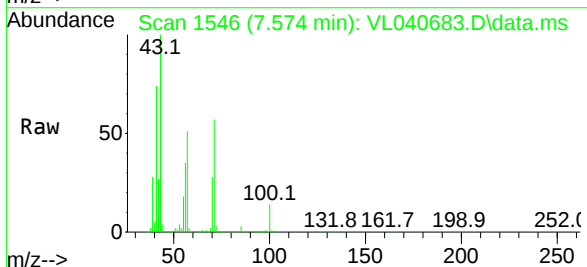
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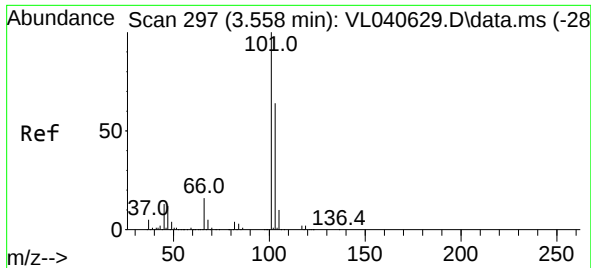
Tgt Ion: 41 Resp: 493361
 Ion Ratio Lower Upper
 41 100
 42 70.9 56.7 85.1



#10
 Heptane
 Concen: 10.103 ppbv
 RT: 7.574 min Scan# 1546
 Delta R.T. 0.000 min
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Tgt Ion: 43 Resp: 1256339
 Ion Ratio Lower Upper
 43 100
 57 52.2 41.8 62.6

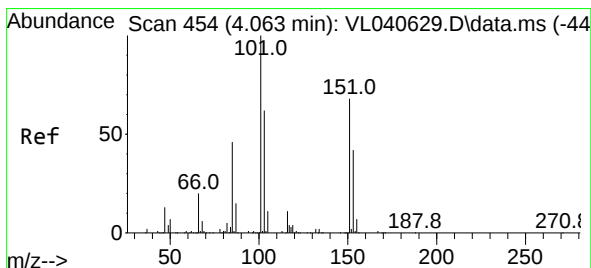
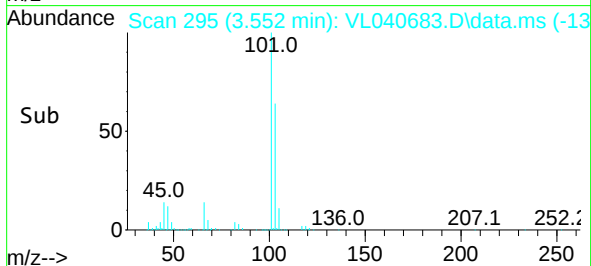
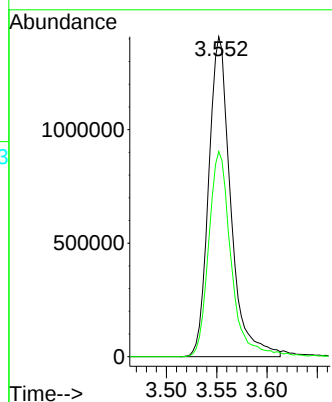
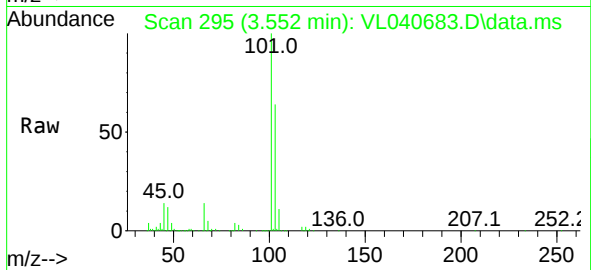




#11
 Trichlorofluoromethane
 Concen: 9.411 ppbv
 RT: 3.552 min Scan# 297
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

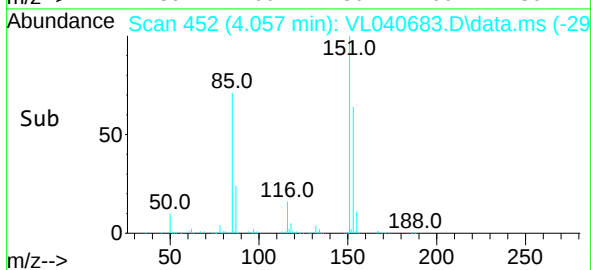
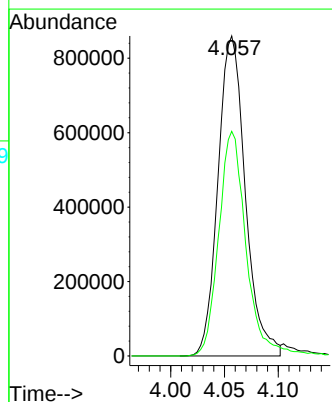
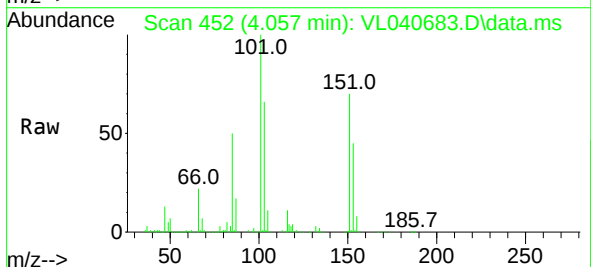
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

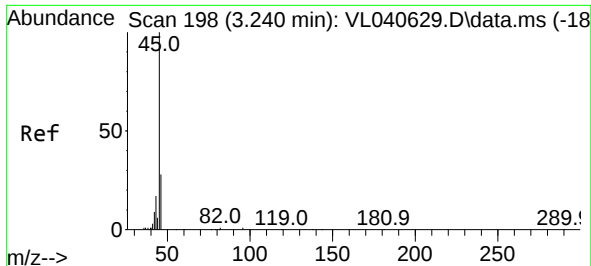
Tgt Ion:101 Resp: 2143449
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.342 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

Tgt Ion:101 Resp: 1522129
 Ion Ratio Lower Upper
 101 100
 151 71.0 56.8 85.2

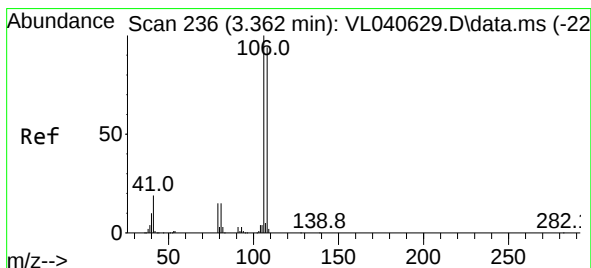
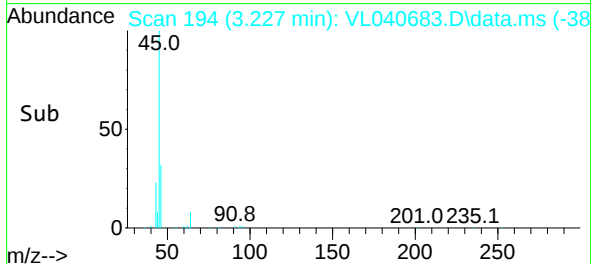
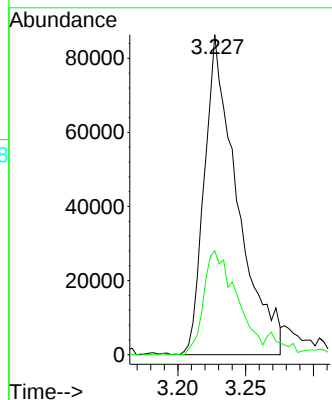
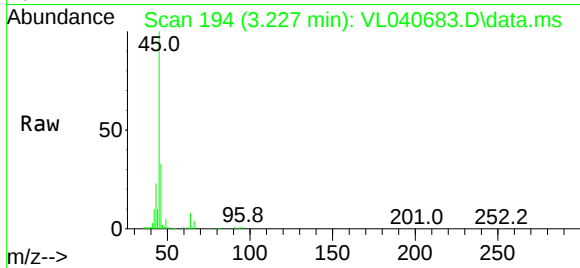




#13
Ethanol
Concen: 8.925 ppbv
RT: 3.227 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

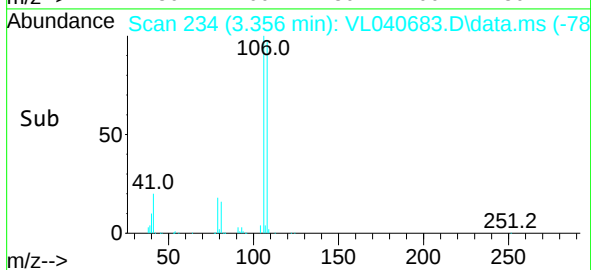
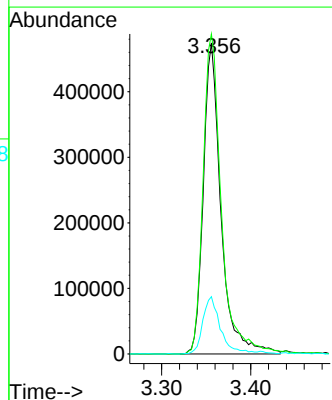
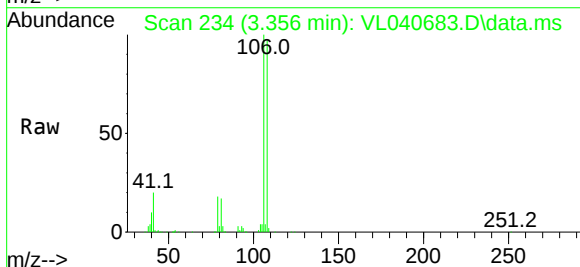
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

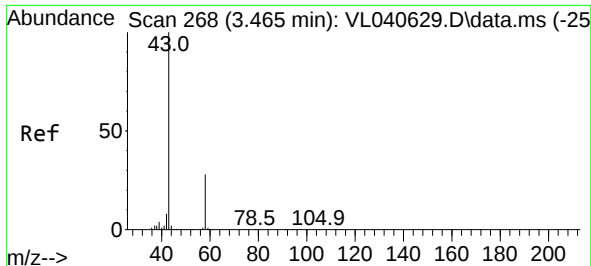
Tgt Ion: 45 Resp: 145787
Ion Ratio Lower Upper
45 100
46 36.5 15.2 61.0



#14
Bromoethene
Concen: 9.551 ppbv
RT: 3.356 min Scan# 234
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 108 Resp: 652686
Ion Ratio Lower Upper
108 100
106 107.5 86.0 129.0
79 19.5 15.6 23.4

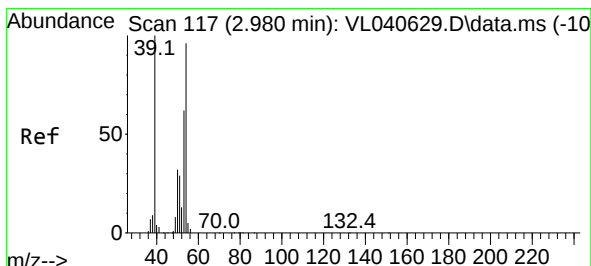
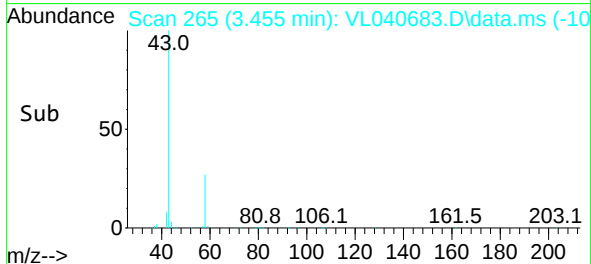
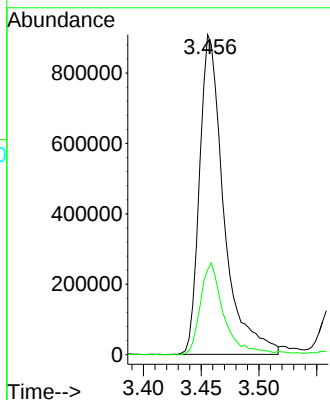
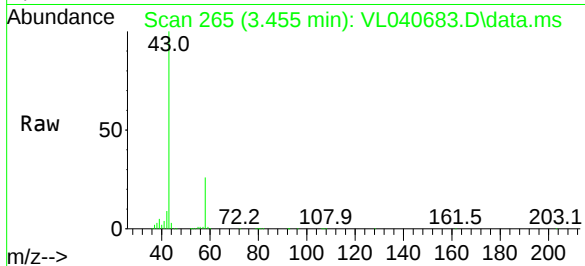




#15
Acetone
Concen: 8.550 ppbv
RT: 3.455 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

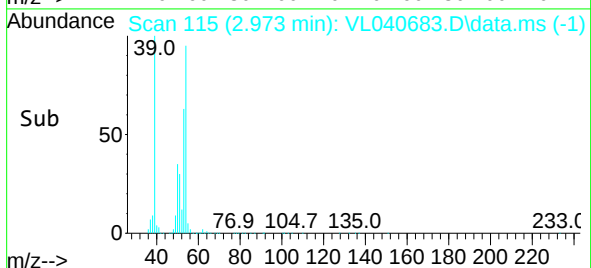
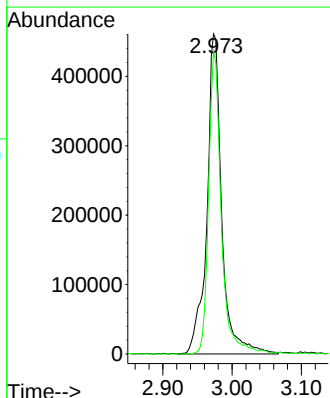
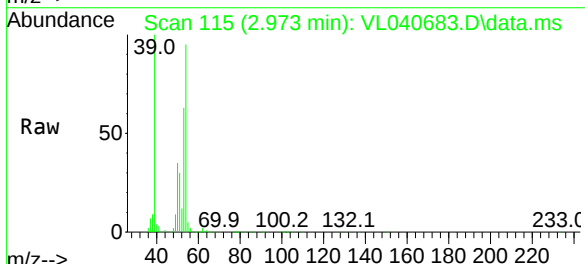
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

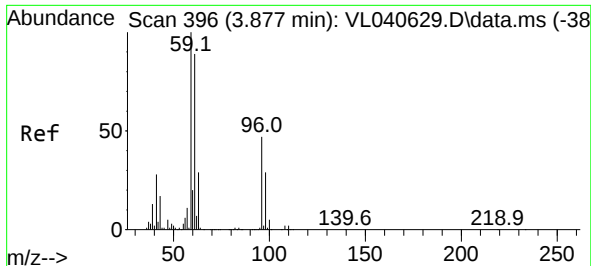
Tgt Ion: 43 Resp: 1326105
Ion Ratio Lower Upper
43 100
58 28.3 22.6 34.0



#16
1,3-Butadiene
Concen: 10.167 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 39 Resp: 687278
Ion Ratio Lower Upper
39 100
54 81.0 64.8 97.2





#17

tert-Butyl alcohol

Concen: 9.718 ppbv

RT: 3.867 min Scan# 396

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_1

ClientSampleId :

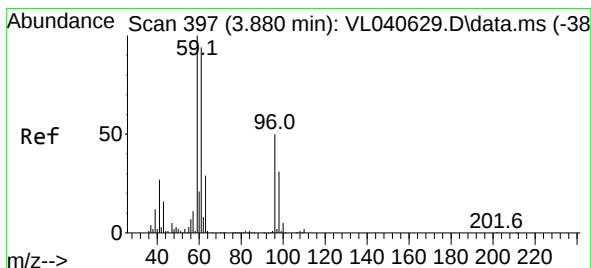
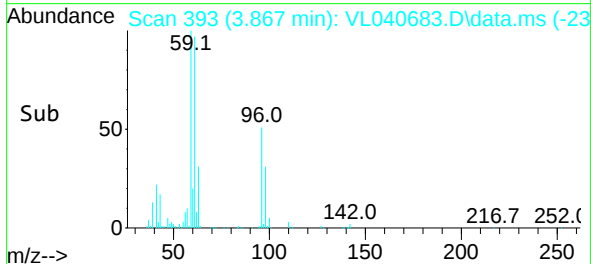
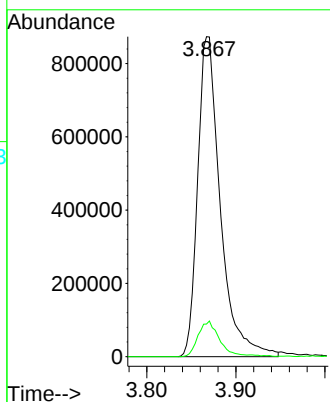
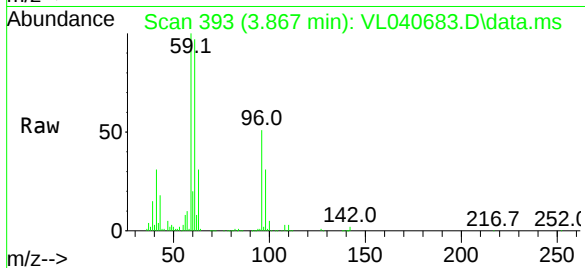
VSTDICCC010

Tgt Ion: 59 Resp: 1544005

Ion Ratio Lower Upper

59 100

57 10.9 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.507 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

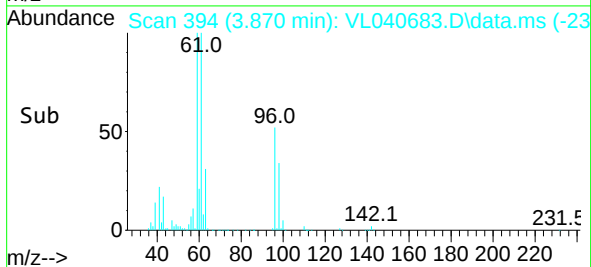
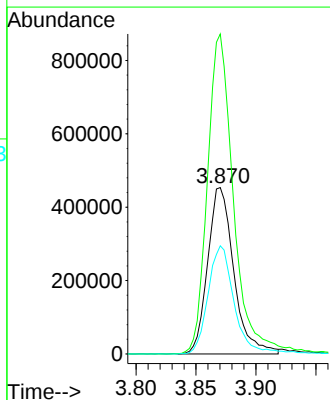
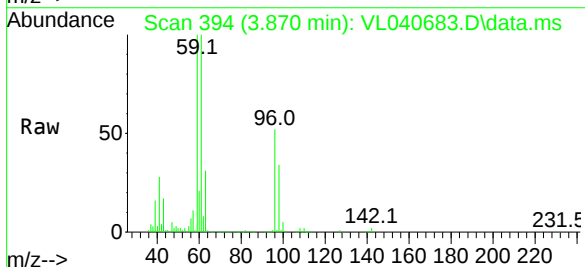
Tgt Ion: 96 Resp: 688483

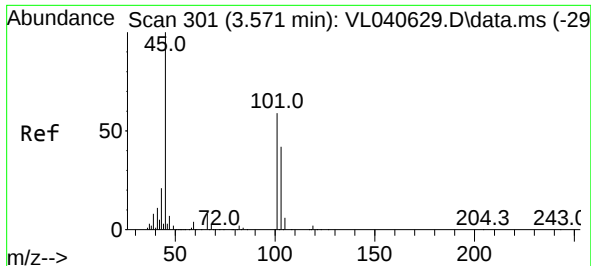
Ion Ratio Lower Upper

96 100

61 192.0 153.6 230.4

98 64.9 51.9 77.9

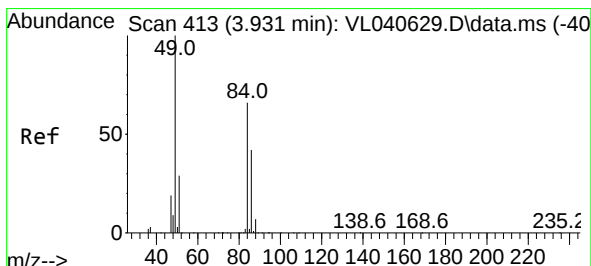
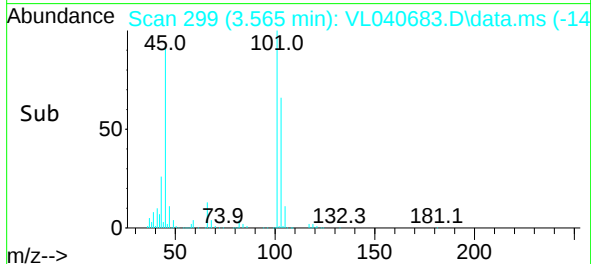
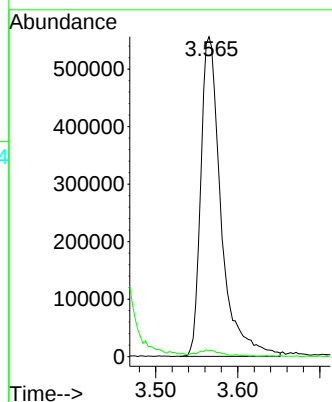
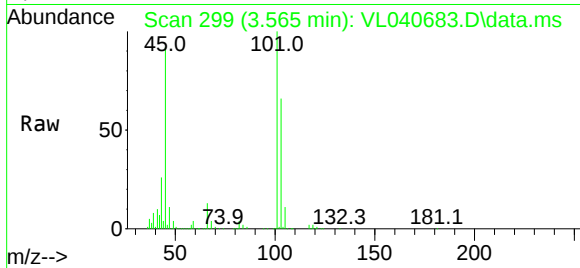




#19
Isopropyl Alcohol
Concen: 10.178 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

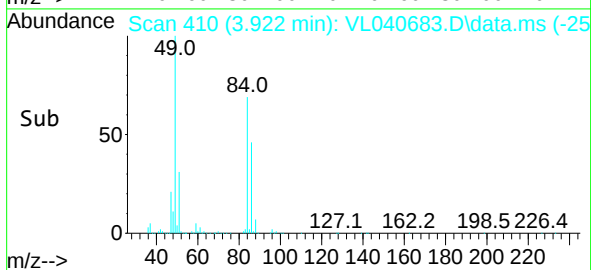
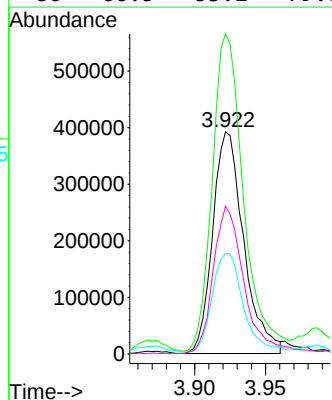
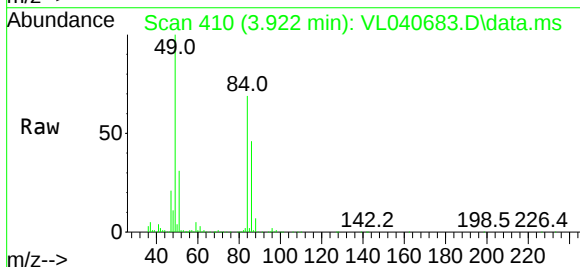
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

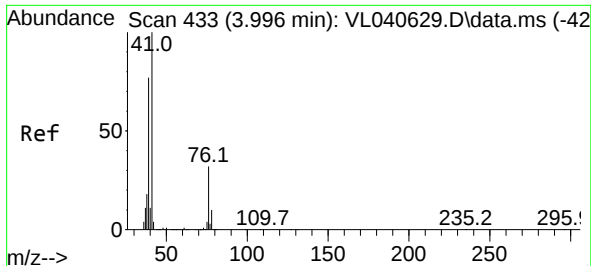
Tgt Ion: 45 Resp: 951256
Ion Ratio Lower Upper
45 100
58 2.4 1.9 2.9



#20
Methylene Chloride
Concen: 7.143 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 84 Resp: 596347
Ion Ratio Lower Upper
84 100
49 143.0 114.4 171.6
51 44.4 35.5 53.3
86 66.5 53.2 79.8





#21

Allyl Chloride

Concen: 9.634 ppbv

RT: 3.986 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

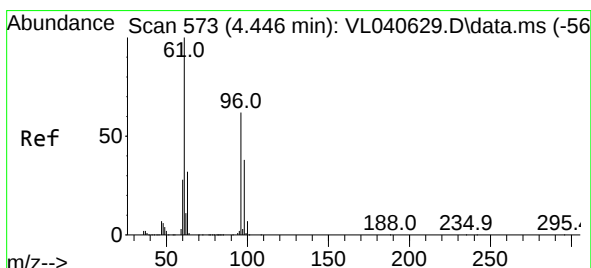
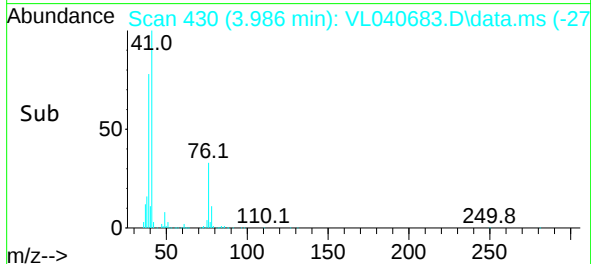
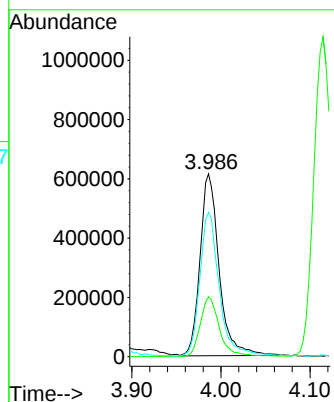
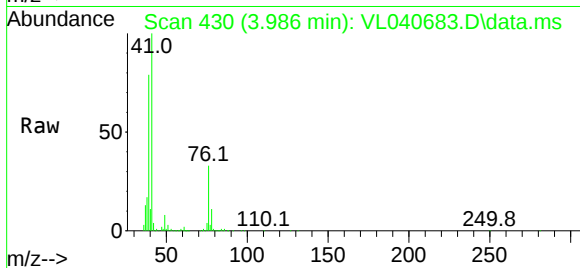
Tgt Ion: 41 Resp: 915756

Ion Ratio Lower Upper

41 100

76 33.3 26.6 40.0

39 81.2 65.0 97.4



#22

trans-1,2-Dichloroethene

Concen: 9.864 ppbv

RT: 4.433 min Scan# 569

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

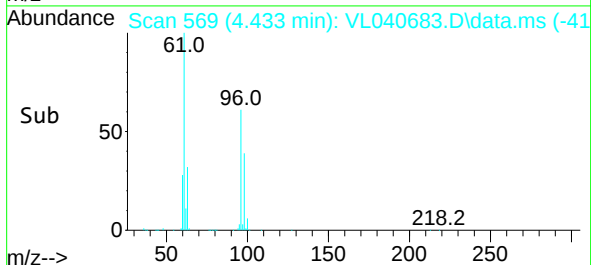
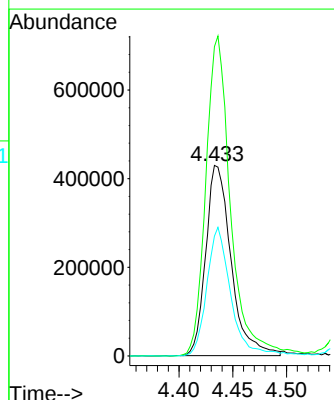
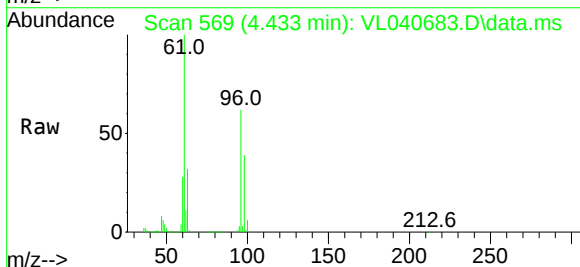
Tgt Ion: 96 Resp: 706343

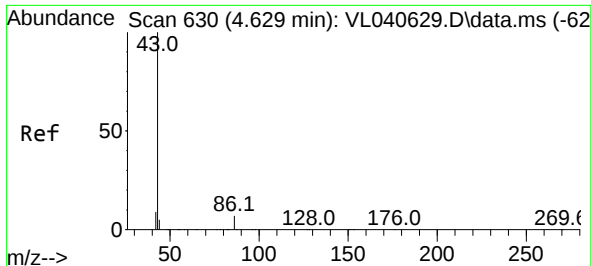
Ion Ratio Lower Upper

96 100

61 162.4 129.9 194.9

98 62.8 50.2 75.4



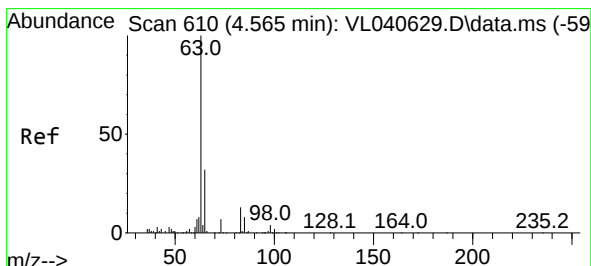
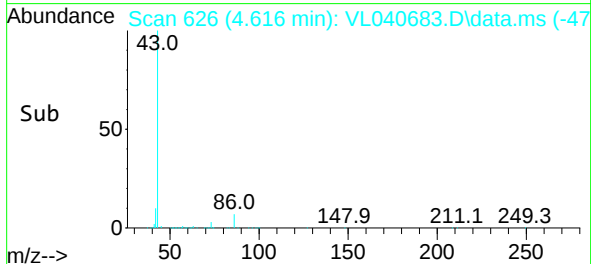
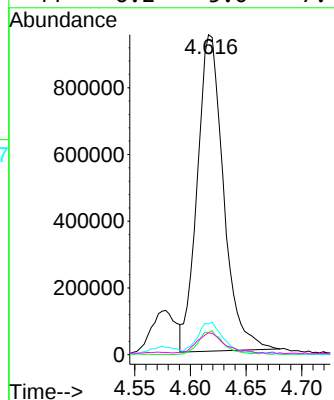
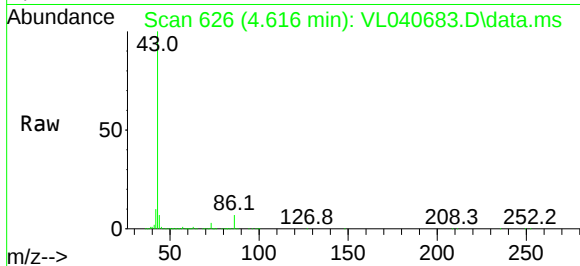


#23
 Vinyl Acetate
 Concen: 9.702 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 43 Resp: 1556292

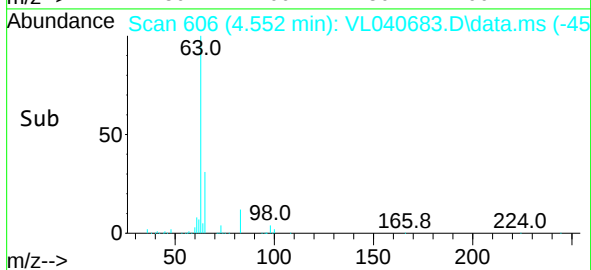
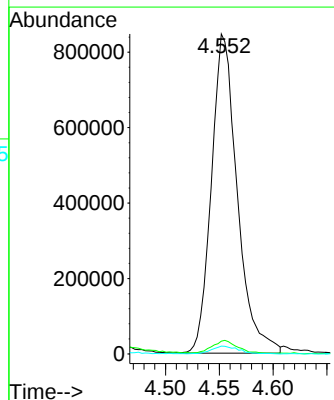
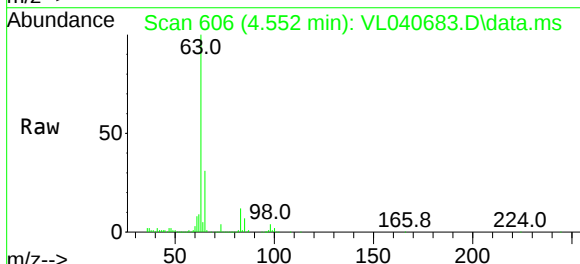
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.6	8.4
42	9.5	7.6	11.4
44	6.2	5.0	7.4

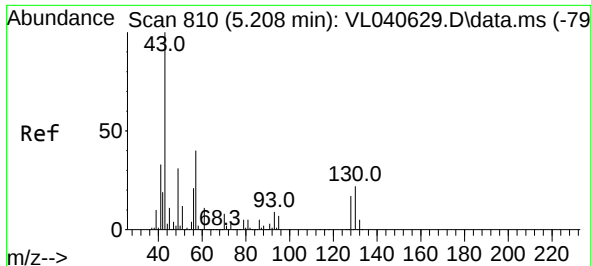


#24
 1,1-Dichloroethane
 Concen: 9.432 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

Tgt Ion: 63 Resp: 1415861

Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.8	5.5
100	2.4	1.2	3.6





#25

Ethyl Acetate

Concen: 9.311 ppbv

RT: 5.195 min Scan# 809

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2329326

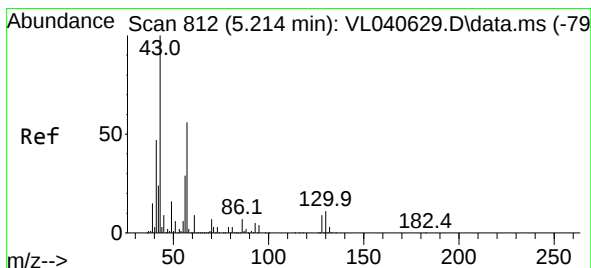
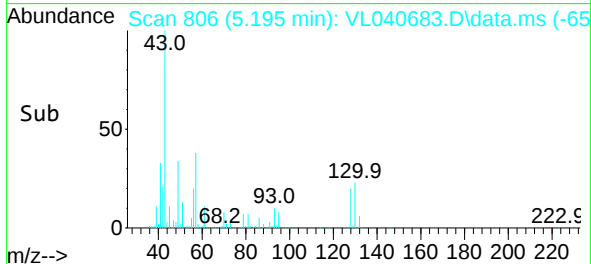
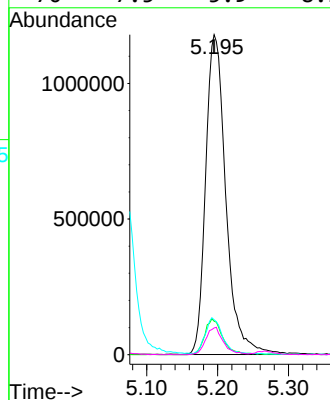
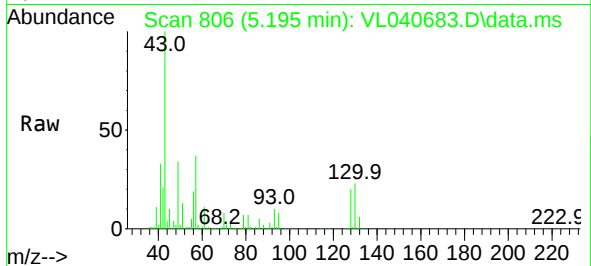
Ion Ratio Lower Upper

43 100

45 10.4 8.2 12.4

61 10.3 8.2 12.4

70 7.5 5.9 8.9



#26

Hexane

Concen: 8.512 ppbv

RT: 5.205 min Scan# 809

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Tgt Ion: 57 Resp: 1006889

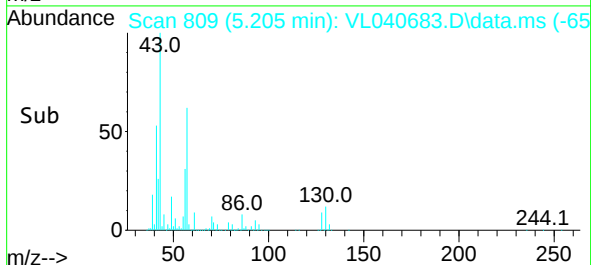
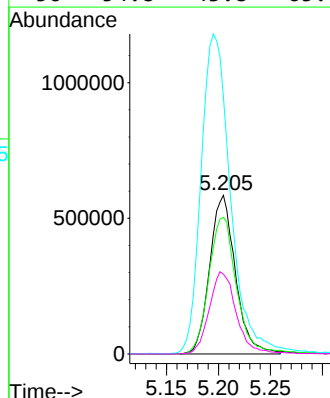
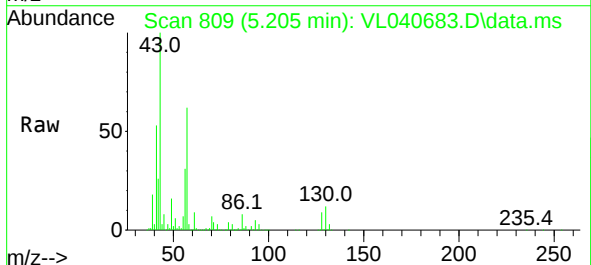
Ion Ratio Lower Upper

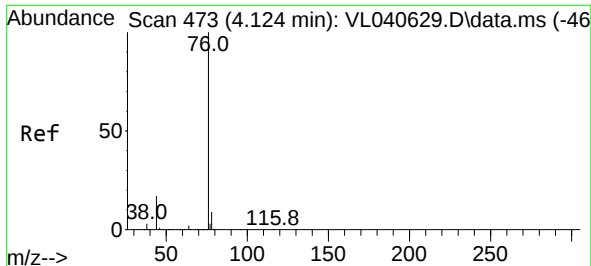
57 100

41 94.0 75.2 112.8

43 232.0 185.6 278.4

56 54.8 43.8 65.8





#27

Carbon Disulfide

Concen: 10.425 ppbv

RT: 4.115 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

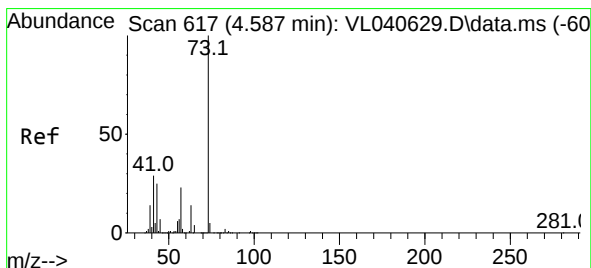
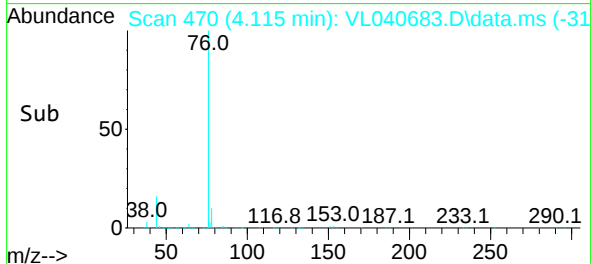
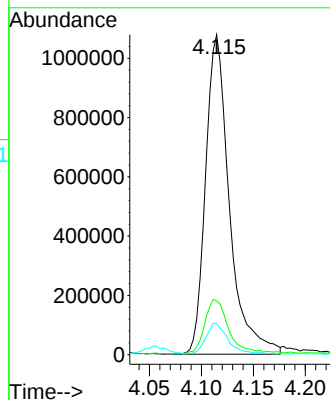
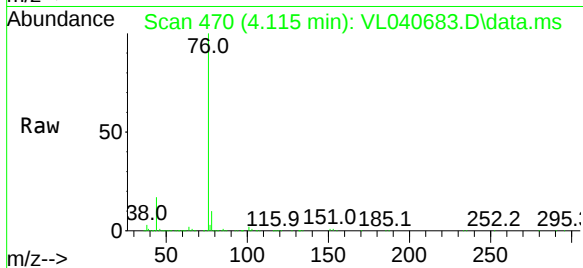
Tgt Ion: 76 Resp: 1719745

Ion Ratio Lower Upper

76 100

44 18.1 14.5 21.7

78 9.6 7.7 11.5



#28

Methyl tert-Butyl Ether

Concen: 9.637 ppbv

RT: 4.578 min Scan# 614

Delta R.T. 0.000 min

Lab File: VL040683.D

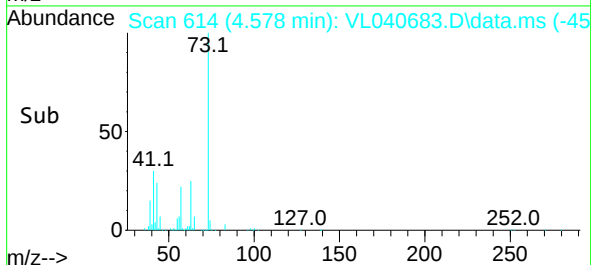
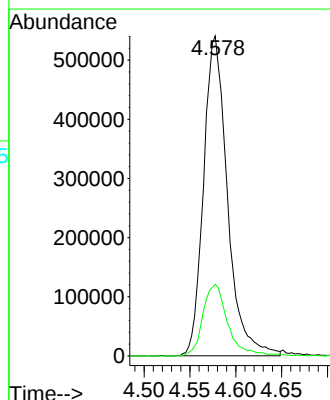
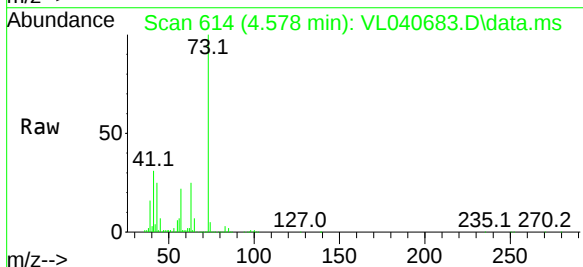
Acq: 14 Sep 2023 13:46

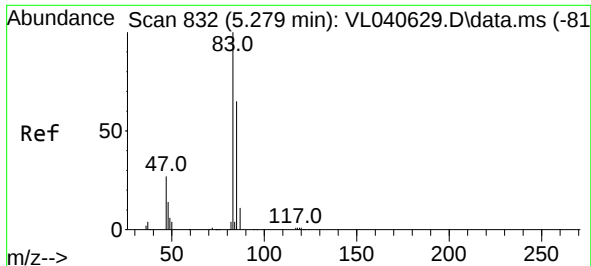
Tgt Ion: 73 Resp: 980768

Ion Ratio Lower Upper

73 100

57 23.5 18.8 28.2





#29

Chloroform

Concen: 9.302 ppbv

RT: 5.266 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

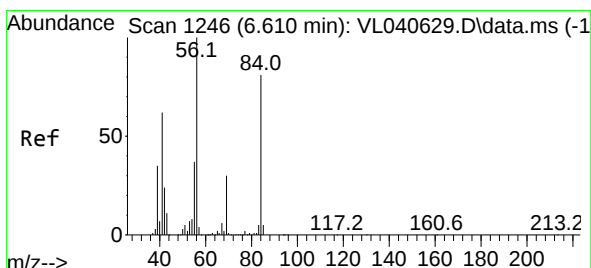
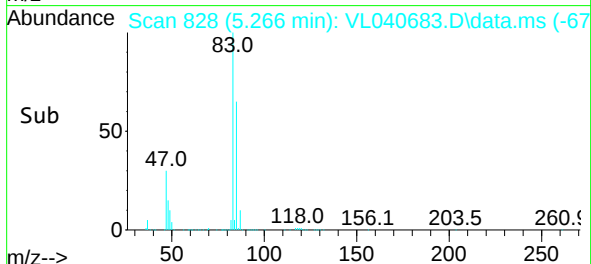
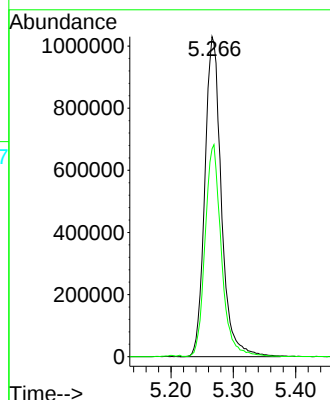
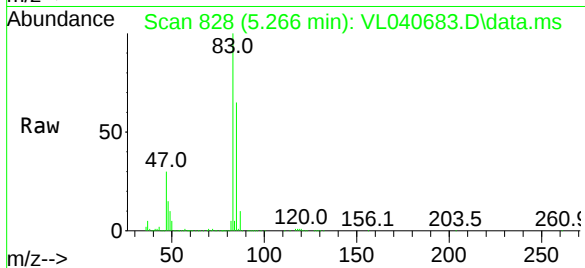
VSTDICCC010

Tgt Ion: 83 Resp: 1899705

Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.8



#30

Cyclohexane

Concen: 9.766 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

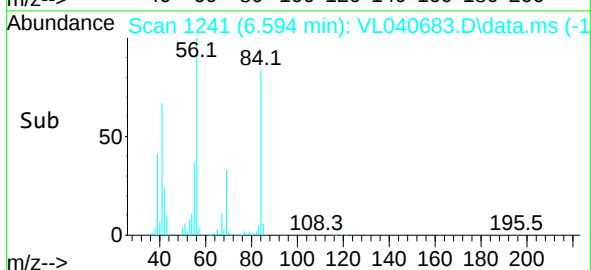
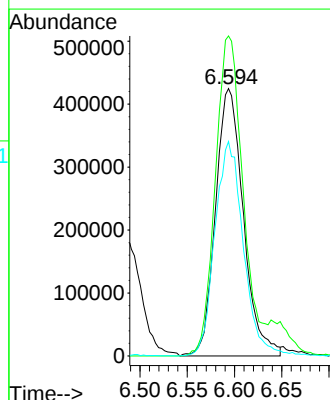
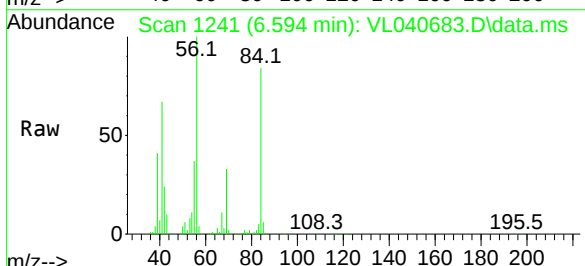
Tgt Ion: 84 Resp: 869961

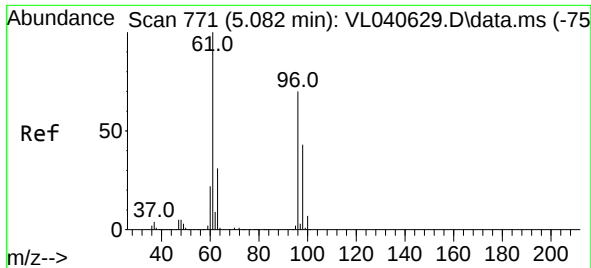
Ion Ratio Lower Upper

84 100

56 128.9 103.2 154.8

41 82.3 65.5 98.3



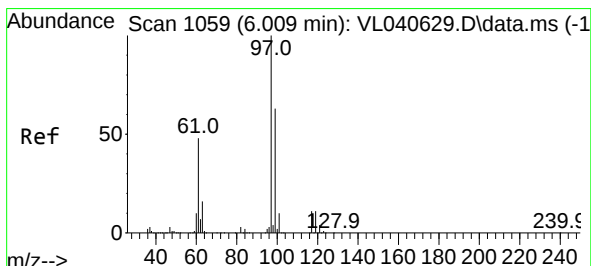
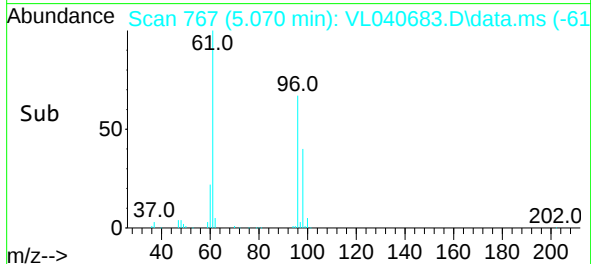
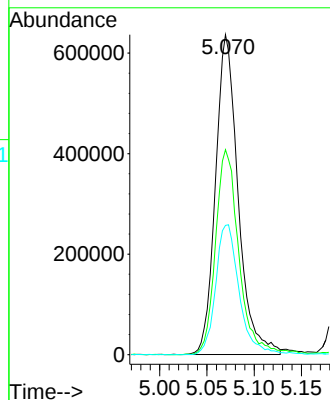
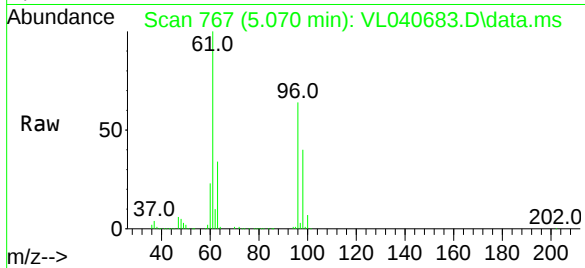


#31
 cis-1,2-Dichloroethene
 Concen: 9.661 ppbv
 RT: 5.070 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 61 Resp: 1060279

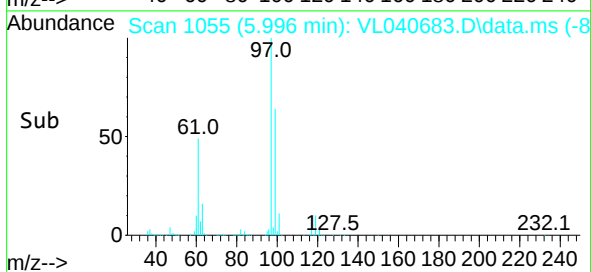
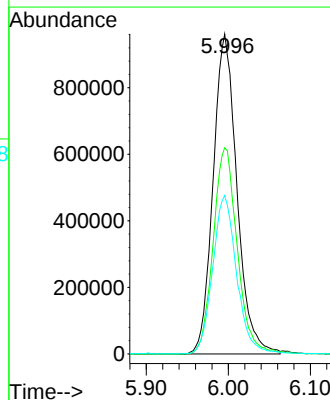
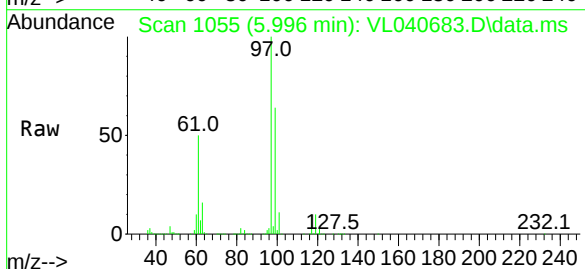
Ion	Ratio	Lower	Upper
61	100		
96	64.0	51.2	76.8
98	40.4	32.3	48.5

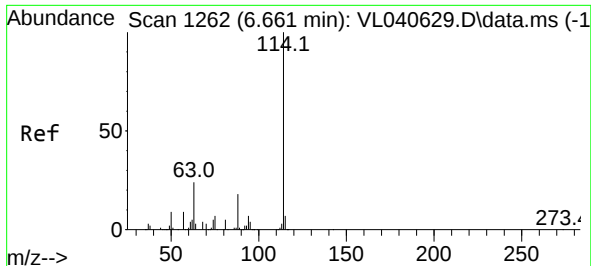


#32
 1,1,1-Trichloroethane
 Concen: 9.296 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

Tgt Ion: 97 Resp: 1940995

Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	50.3	40.2	60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

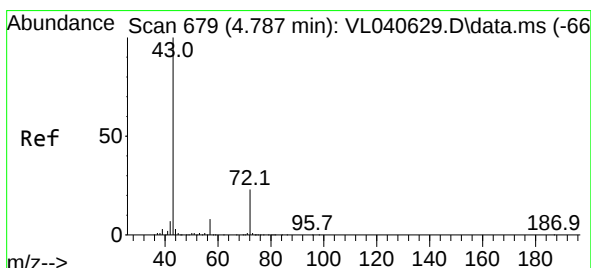
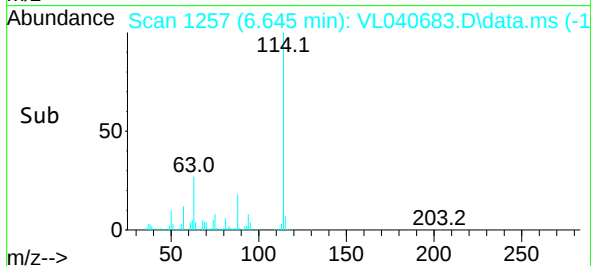
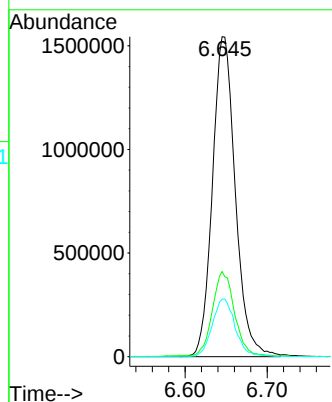
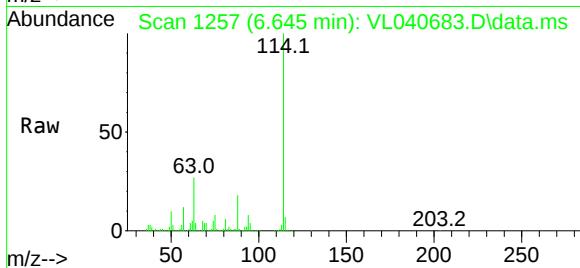
Tgt Ion:114 Resp: 2996181

Ion Ratio Lower Upper

114 100

63 26.4 21.1 31.7

88 18.2 14.5 21.7



#34

2-Butanone

Concen: 9.314 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.000 min

Lab File: VL040683.D

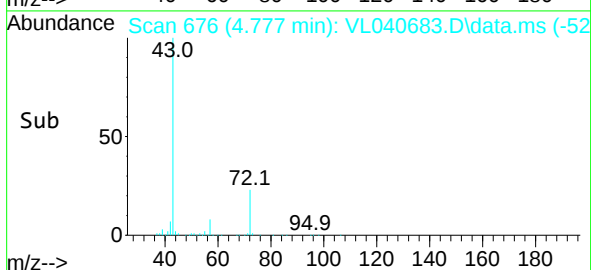
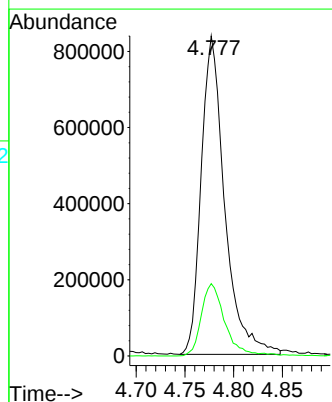
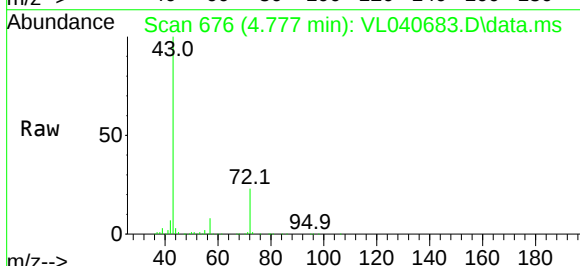
Acq: 14 Sep 2023 13:46

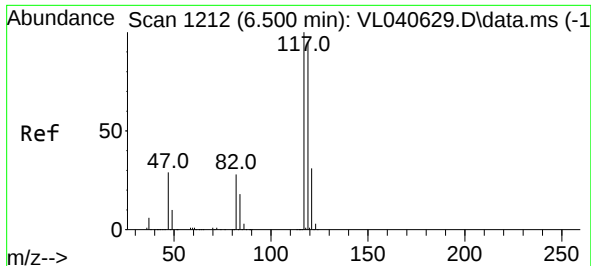
Tgt Ion: 43 Resp: 1403471

Ion Ratio Lower Upper

43 100

72 23.2 18.6 27.8

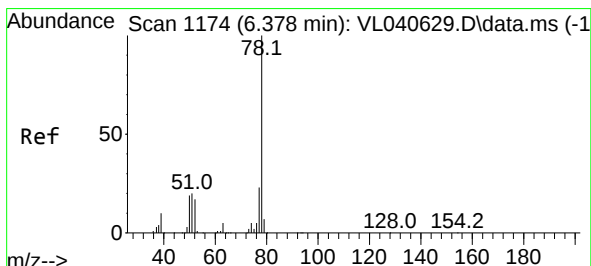
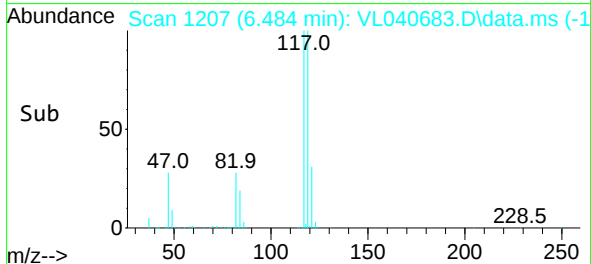
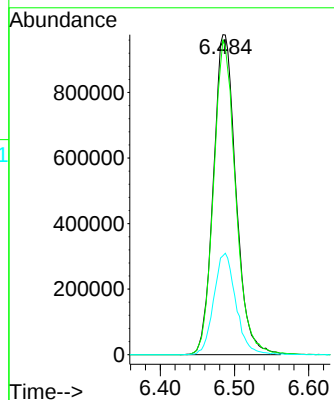
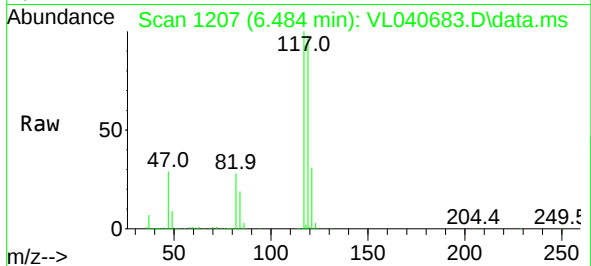




#35
Carbon Tetrachloride
Concen: 10.003 ppbv
RT: 6.484 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

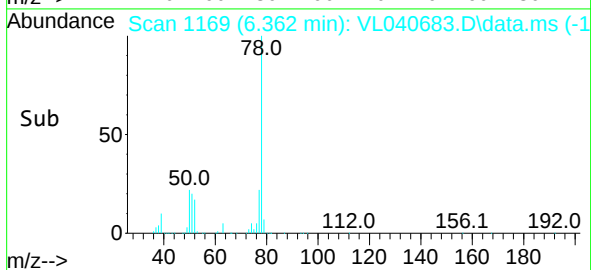
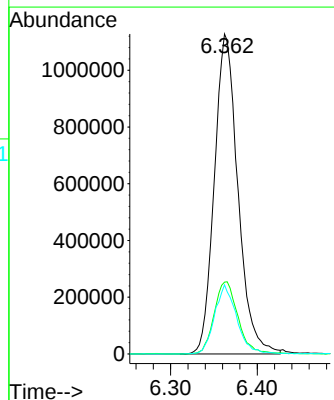
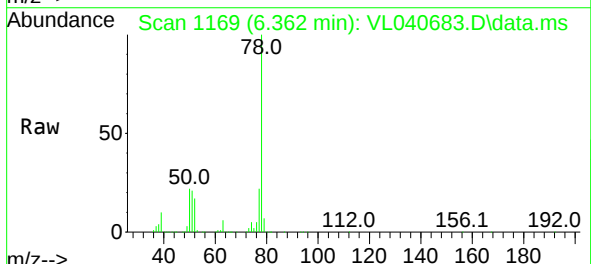
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

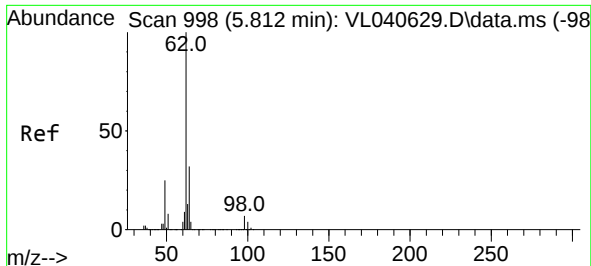
Tgt Ion:117 Resp: 2057973
Ion Ratio Lower Upper
117 100
119 98.2 78.6 117.8
121 30.9 24.7 37.1



#36
Benzene
Concen: 9.609 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 78 Resp: 2131865
Ion Ratio Lower Upper
78 100
77 22.4 17.9 26.9
50 21.6 17.3 25.9





#37

1,2-Dichloroethane

Concen: 9.610 ppbv

RT: 5.799 min Scan# 998

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

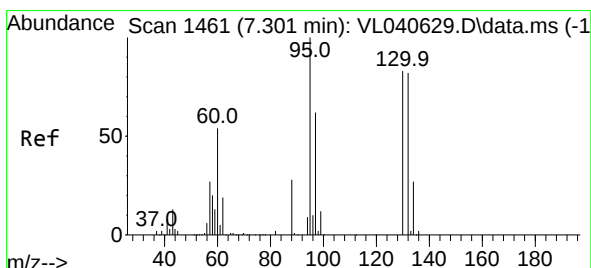
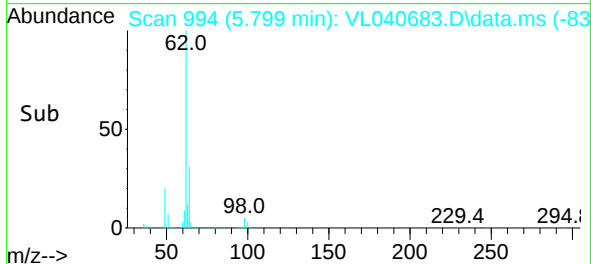
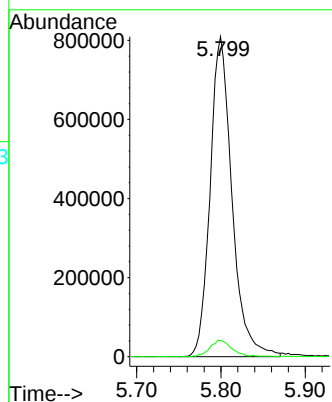
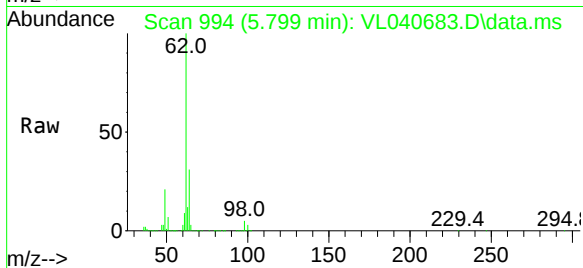
VSTDICCC010

Tgt Ion: 62 Resp: 1459338

Ion Ratio Lower Upper

62 100

98 5.4 4.2 6.4



#38

Trichloroethene

Concen: 10.819 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Tgt Ion:130 Resp: 915444

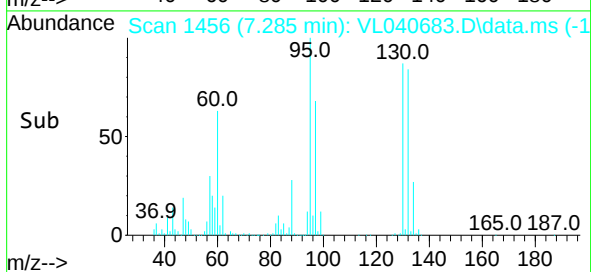
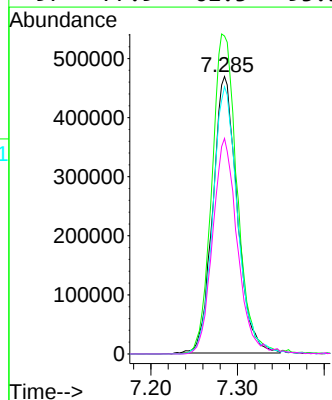
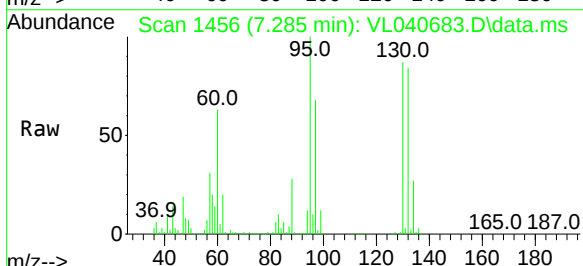
Ion Ratio Lower Upper

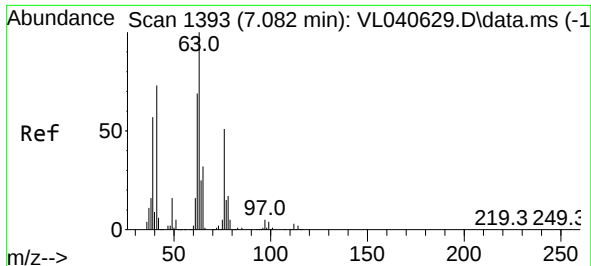
130 100

95 114.9 91.9 137.9

132 96.6 77.3 115.9

97 77.9 62.3 93.5





#39

1,2-Dichloropropane

Concen: 9.602 ppbv

RT: 7.066 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

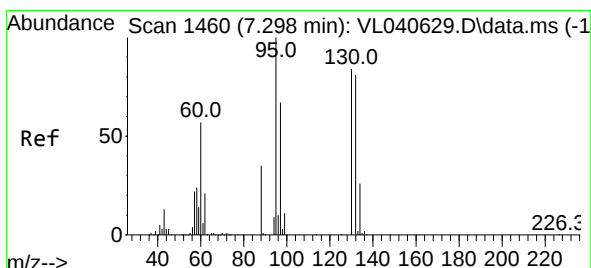
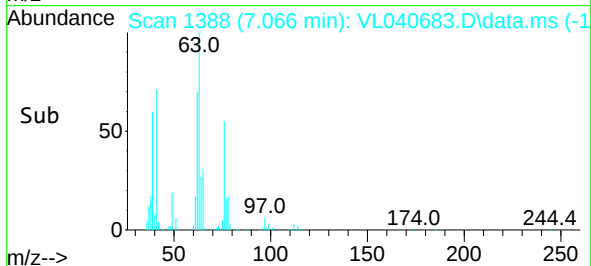
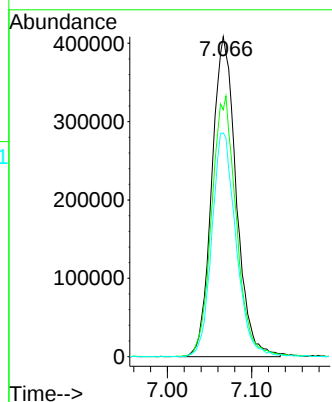
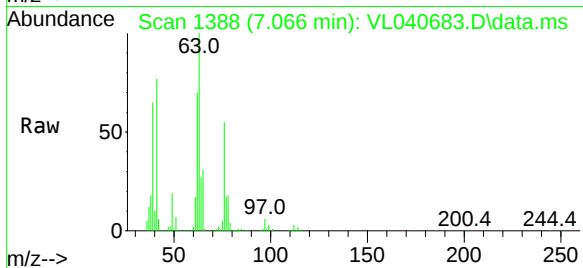
Tgt Ion: 63 Resp: 820034

Ion Ratio Lower Upper

63 100

41 77.0 61.6 92.4

62 69.8 55.8 83.8



#40

1,4-Dioxane

Concen: 11.415 ppbv

RT: 7.279 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Tgt Ion: 88 Resp: 368539

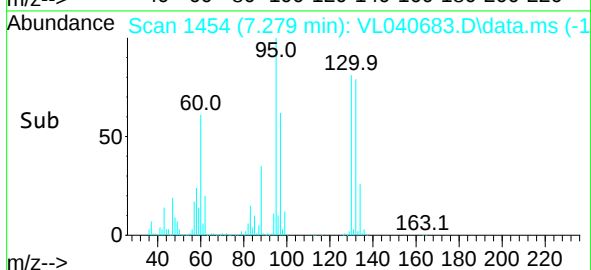
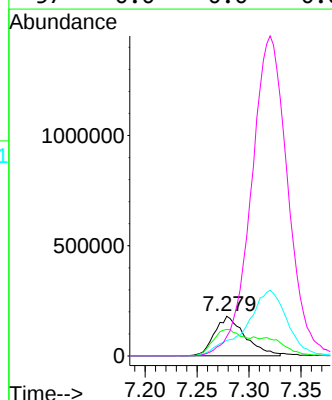
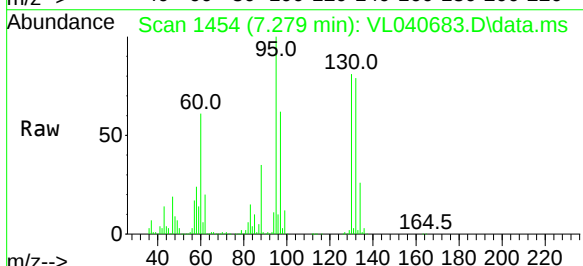
Ion Ratio Lower Upper

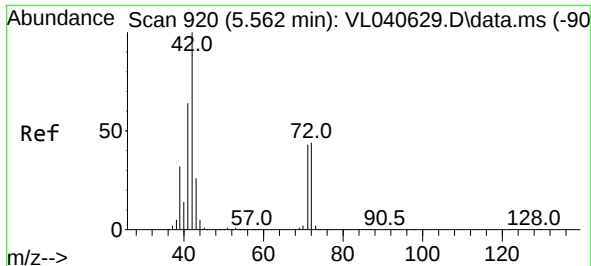
88 100

58 116.1 92.7 139.1

43 0.0 0.0 0.0

57 0.0 0.0 0.0

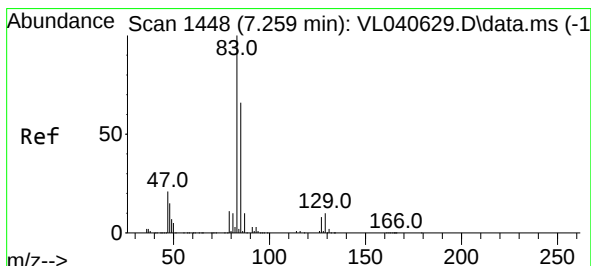
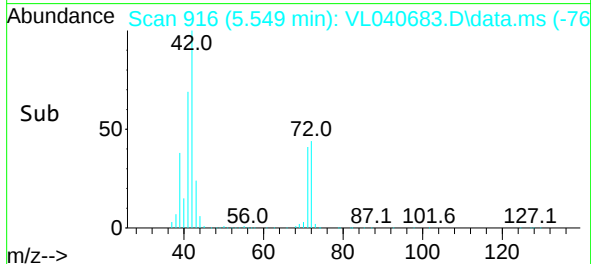
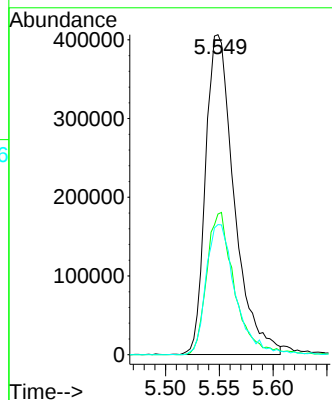
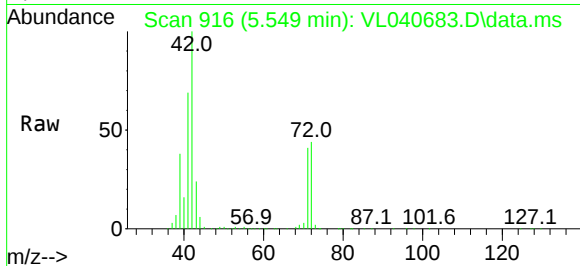




#41
Tetrahydrofuran
Concen: 9.720 ppbv
RT: 5.549 min Scan# 916
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

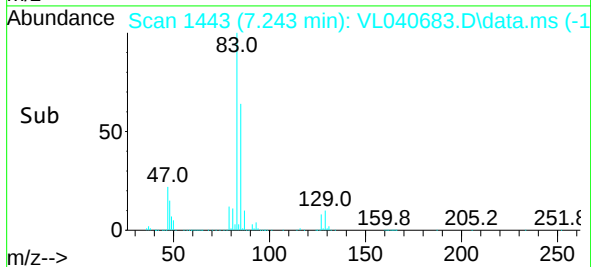
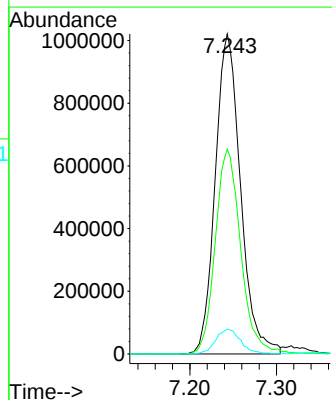
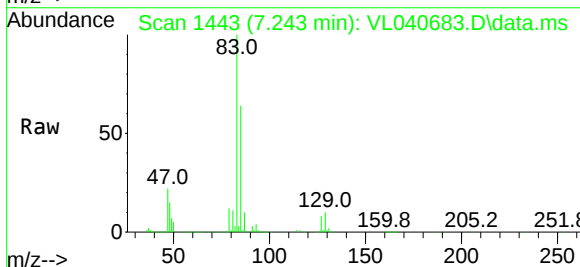
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

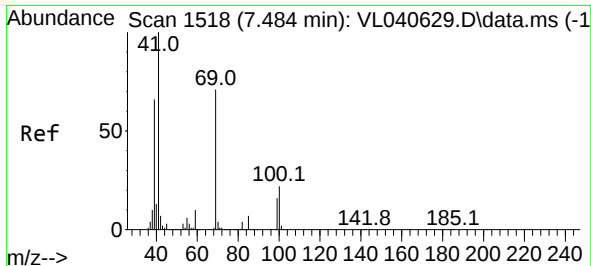
Tgt Ion: 42 Resp: 751022
Ion Ratio Lower Upper
42 100
72 43.6 34.9 52.3
71 42.3 33.8 50.8



#42
Bromodichloromethane
Concen: 10.008 ppbv
RT: 7.243 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 83 Resp: 2073537
Ion Ratio Lower Upper
83 100
85 64.0 51.2 76.8
127 7.8 6.2 9.4

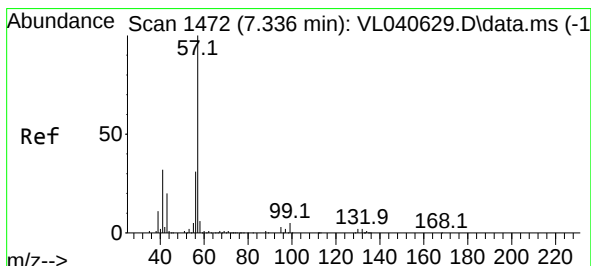
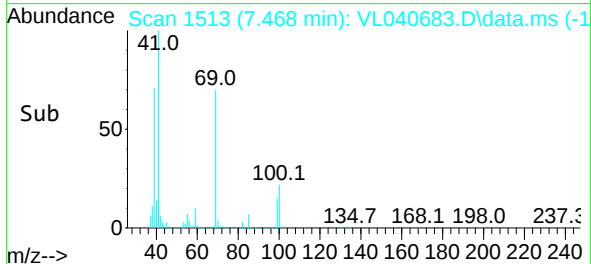
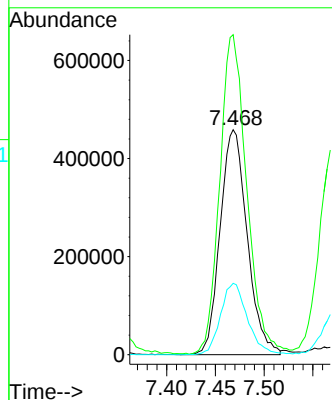
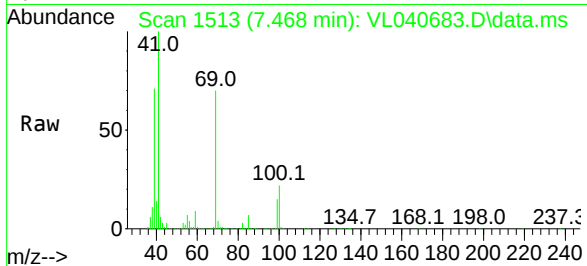




#43
Methyl Methacrylate
Concen: 10.749 ppbv
RT: 7.468 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

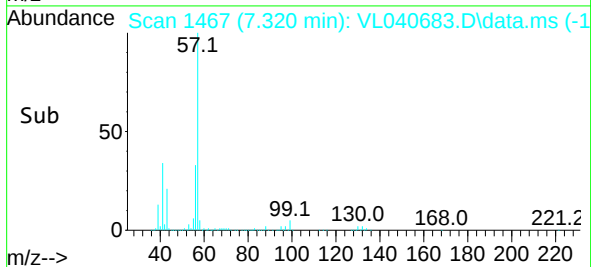
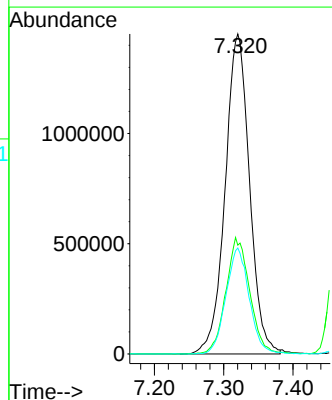
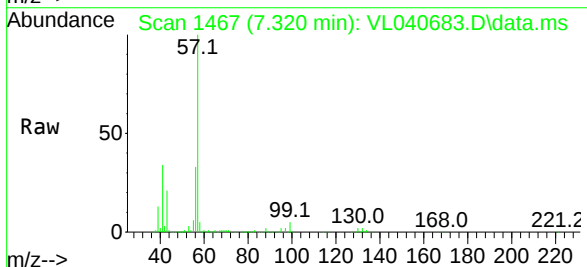
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

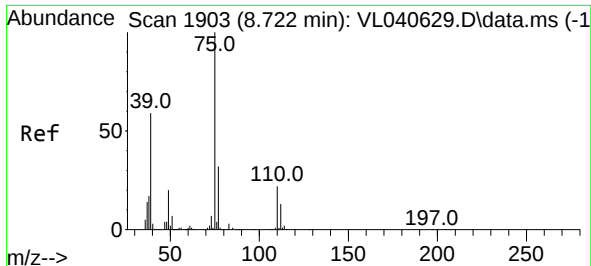
Tgt Ion: 69 Resp: 886491
Ion Ratio Lower Upper
69 100
41 142.3 113.8 170.8
100 31.7 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 10.033 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 57 Resp: 3544470
Ion Ratio Lower Upper
57 100
41 35.6 28.5 42.7
56 31.8 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.005 ppbv

RT: 8.703 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

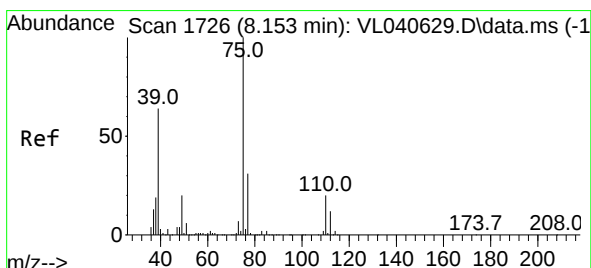
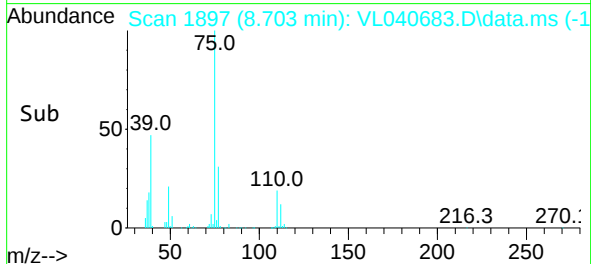
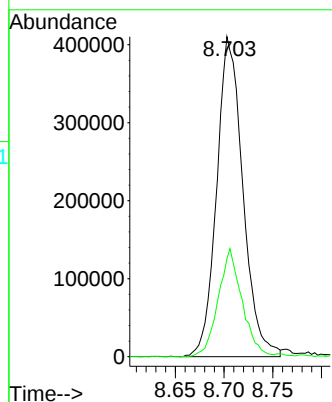
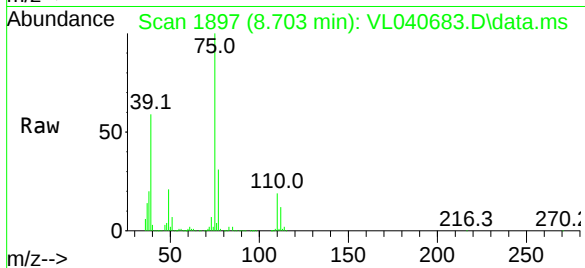
VSTDICCC010

Tgt Ion: 75 Resp: 767696

Ion Ratio Lower Upper

75 100

77 30.6 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 11.276 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

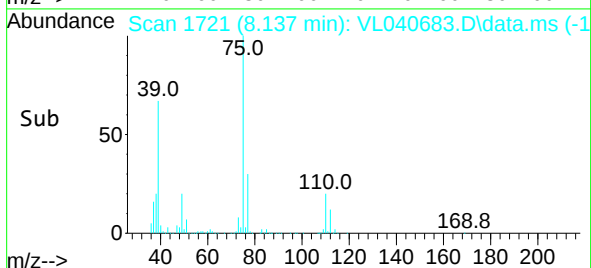
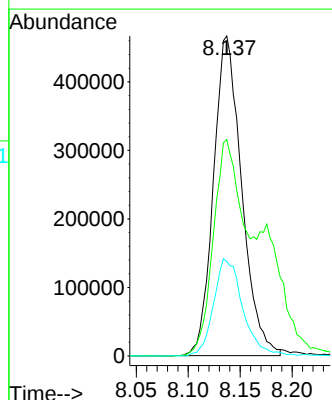
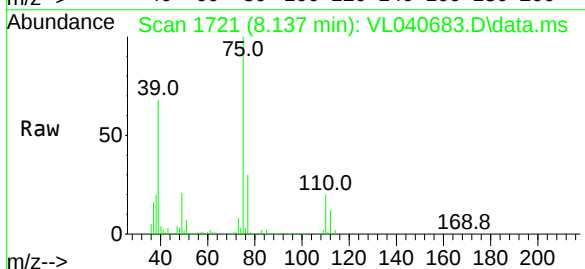
Tgt Ion: 75 Resp: 882266

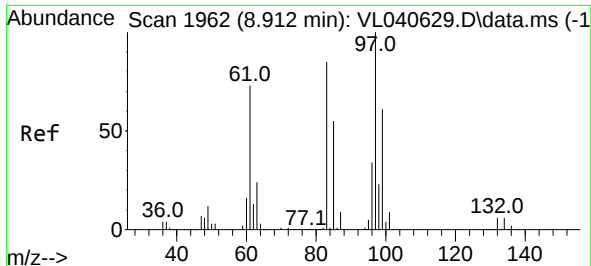
Ion Ratio Lower Upper

75 100

39 67.5 54.0 81.0

77 29.5 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 9.746 ppbv

RT: 8.896 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 955193

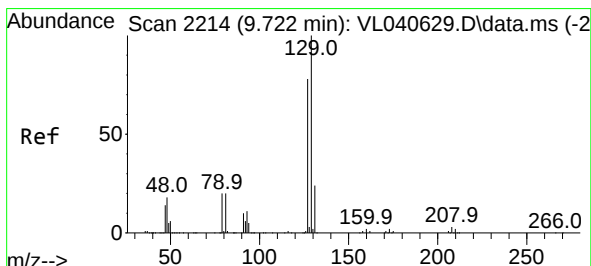
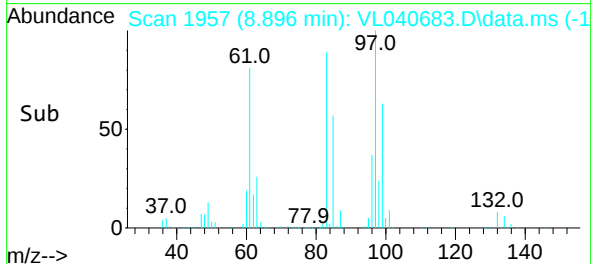
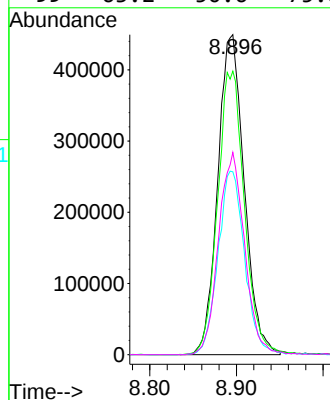
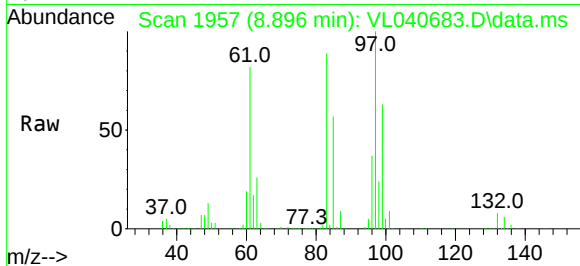
Ion Ratio Lower Upper

97 100

83 88.5 70.8 106.2

85 57.1 45.7 68.5

99 63.2 50.6 75.8



#48

Dibromochloromethane

Concen: 10.623 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VL040683.D

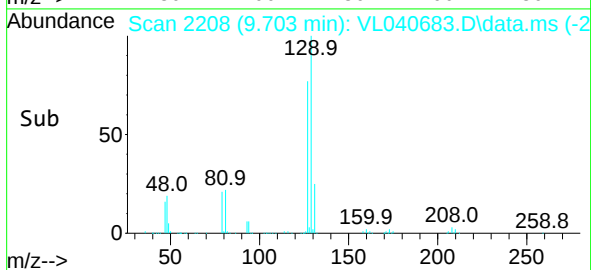
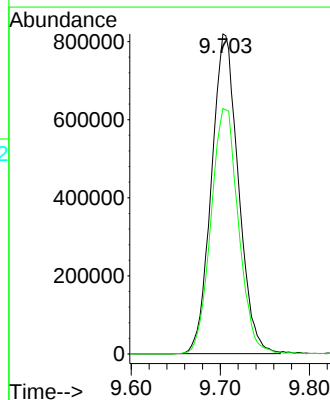
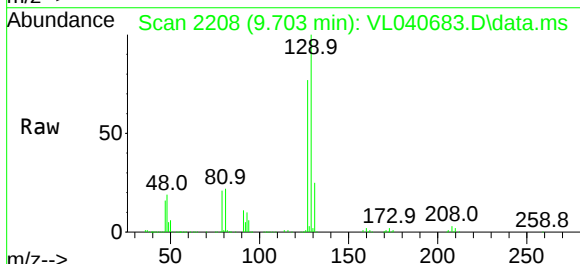
Acq: 14 Sep 2023 13:46

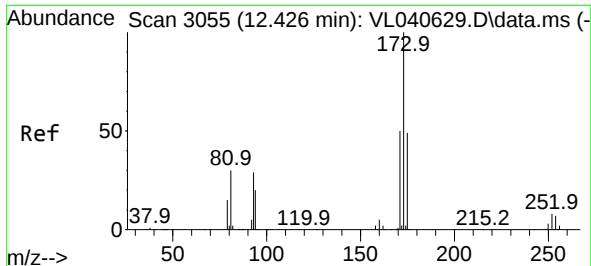
Tgt Ion: 129 Resp: 1717461

Ion Ratio Lower Upper

129 100

127 78.8 39.4 118.2

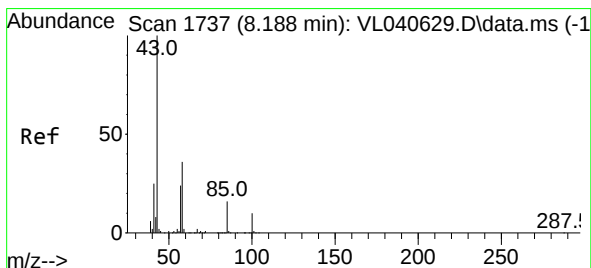
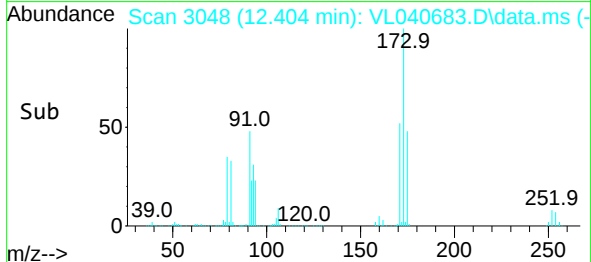
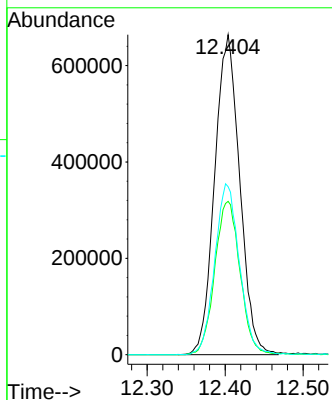
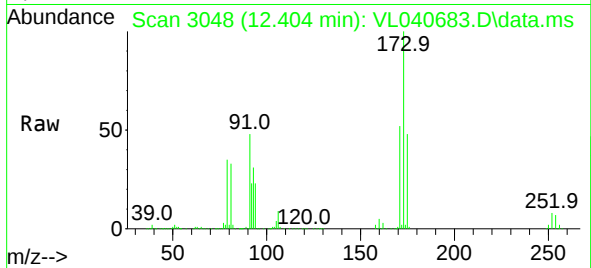




#49
Bromoform
Concen: 11.166 ppbv
RT: 12.404 min Scan# 3055
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

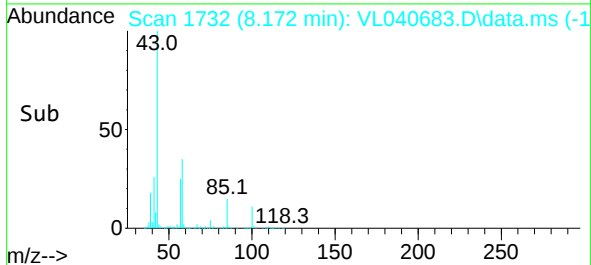
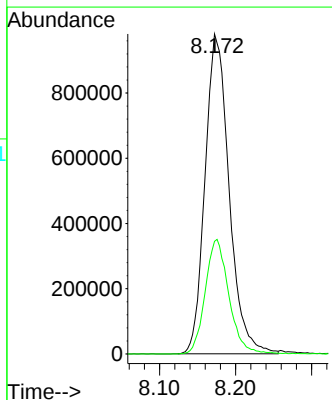
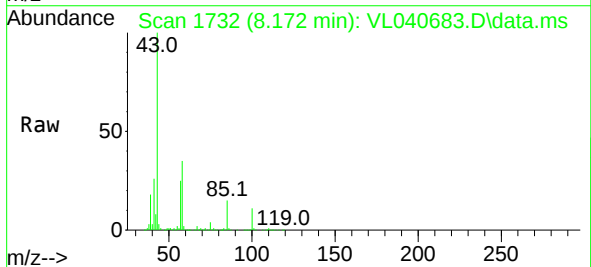
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

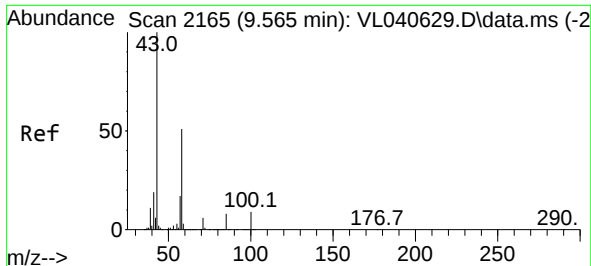
Tgt Ion:173 Resp: 1482675
Ion Ratio Lower Upper
173 100
175 48.6 38.8 58.2
171 52.8 42.2 63.2



#50
4-Methyl-2-Pentanone
Concen: 10.616 ppbv
RT: 8.172 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 43 Resp: 2161594
Ion Ratio Lower Upper
43 100
58 35.3 28.2 42.4

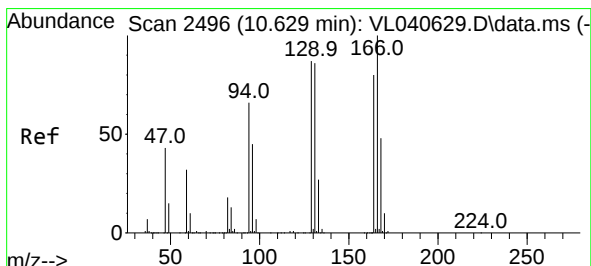
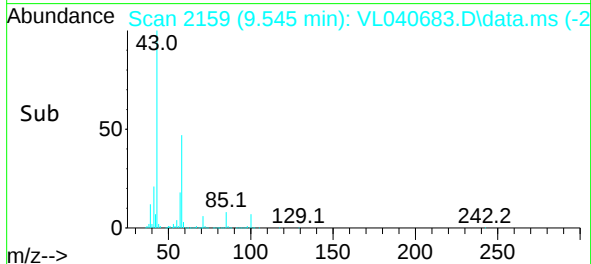
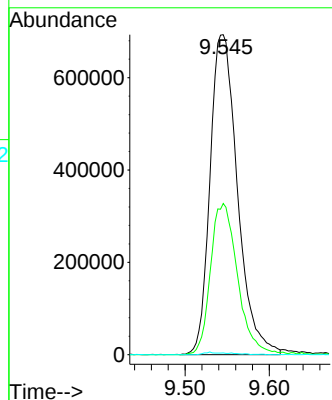
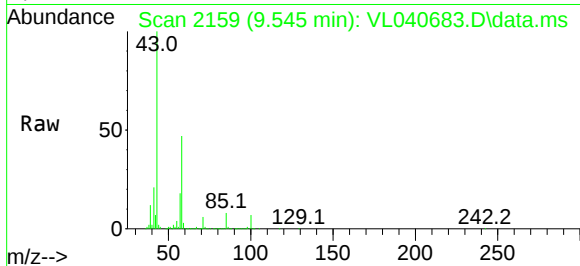




#51
2-Hexanone
Concen: 11.165 ppbv
RT: 9.545 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

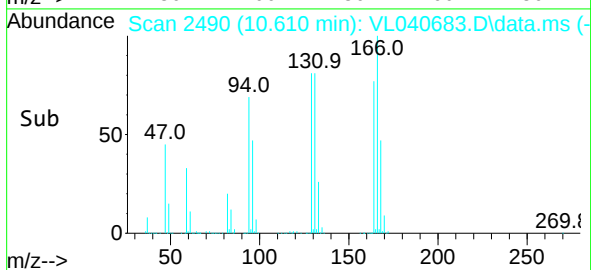
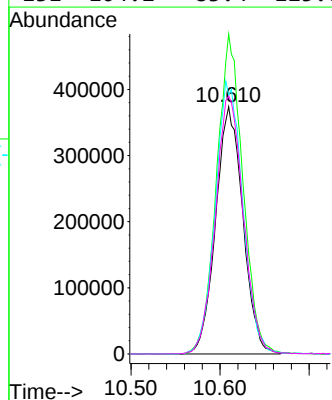
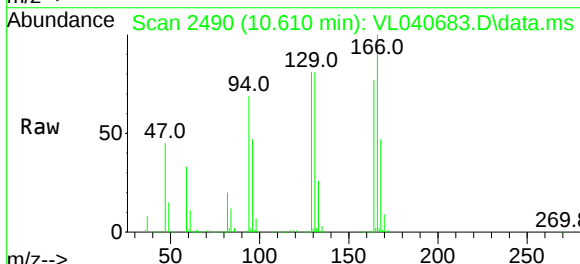
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

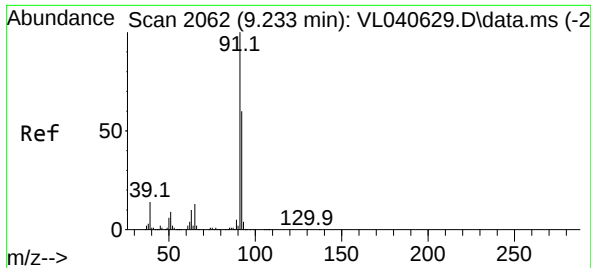
Tgt Ion: 43 Resp: 1569123
Ion Ratio Lower Upper
43 100
58 47.0 37.6 56.4
98 0.8 0.6 1.0



#52
Tetrachloroethene
Concen: 10.918 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 164 Resp: 790140
Ion Ratio Lower Upper
164 100
166 129.3 103.4 155.2
129 104.4 83.5 125.3
131 104.2 83.4 125.0

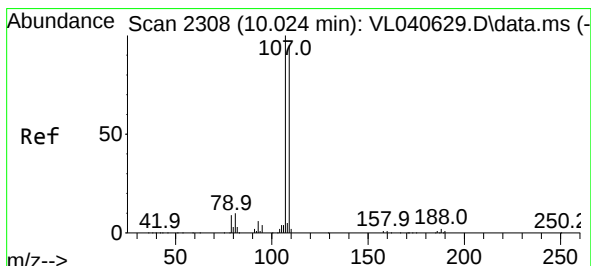
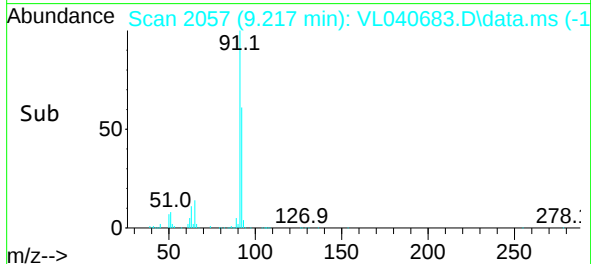
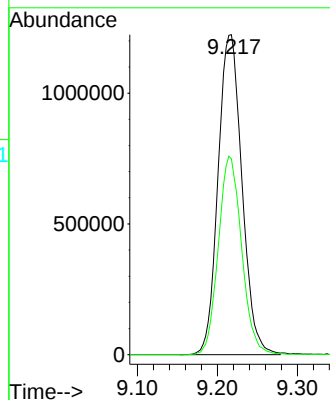
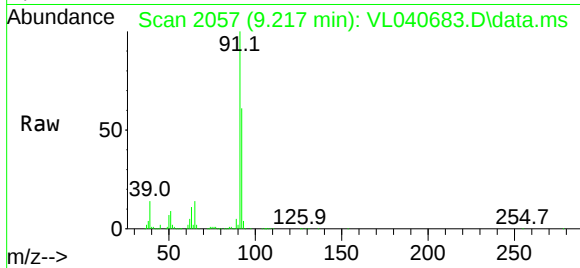




#53
Toluene
Concen: 10.838 ppbv
RT: 9.217 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

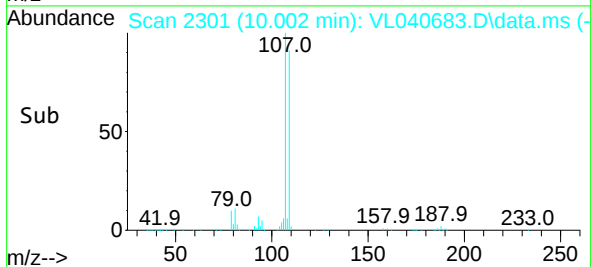
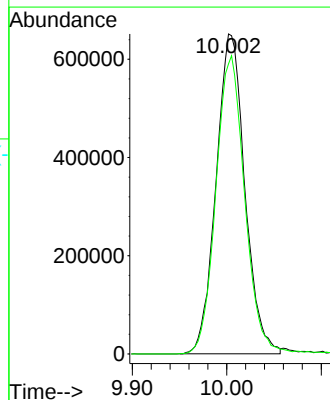
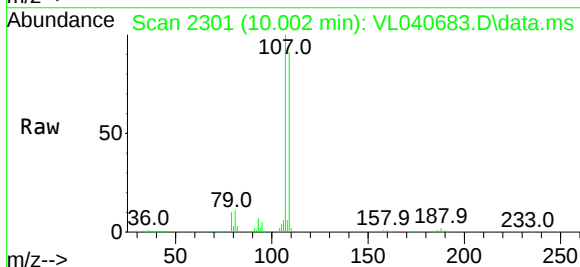
Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

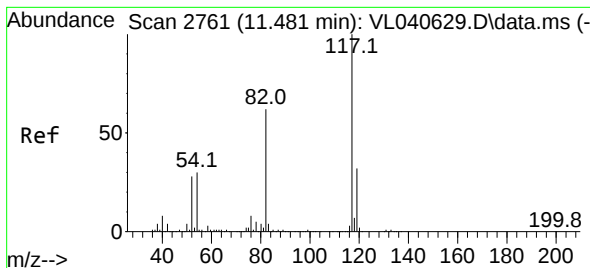
Tgt Ion: 91 Resp: 2538829
Ion Ratio Lower Upper
91 100
92 60.6 48.5 72.7



#54
1,2-Dibromoethane
Concen: 11.007 ppbv
RT: 10.002 min Scan# 2301
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 107 Resp: 1376935
Ion Ratio Lower Upper
107 100
109 90.5 72.4 108.6

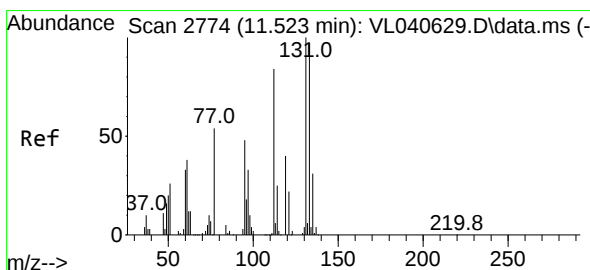
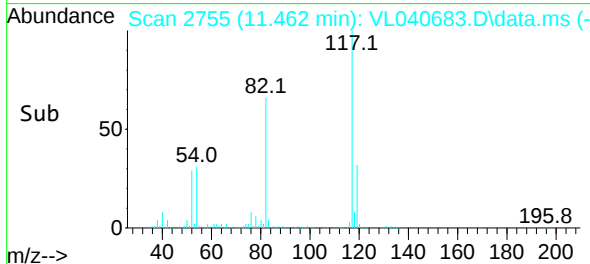
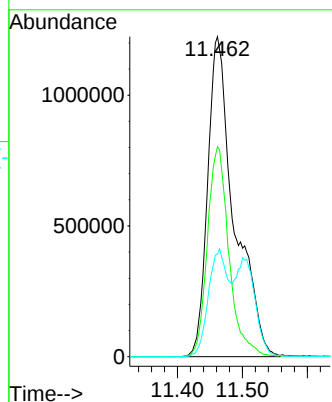
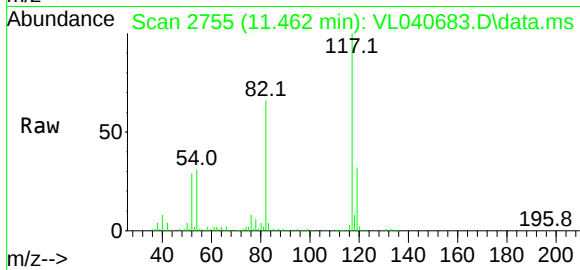




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

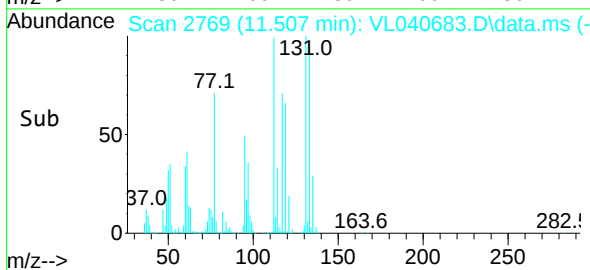
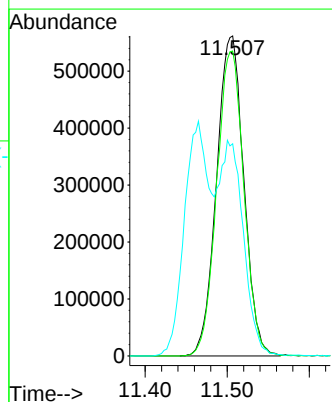
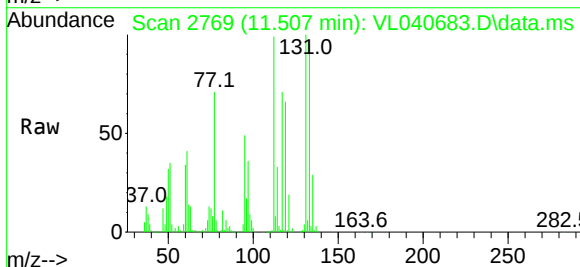
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

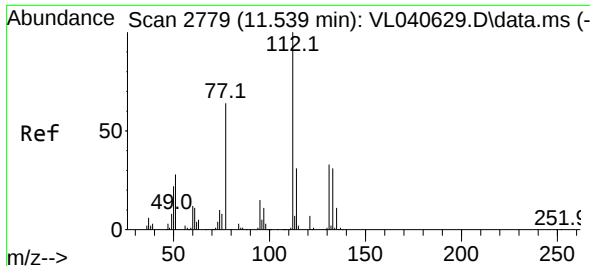
Tgt Ion:117 Resp: 3488167
Ion Ratio Lower Upper
117 100
82 53.4 51.4 77.0
119 24.1 24.7 37.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.810 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:131 Resp: 1298581
Ion Ratio Lower Upper
131 100
133 95.2 76.2 114.2
119 56.9 45.5 68.3

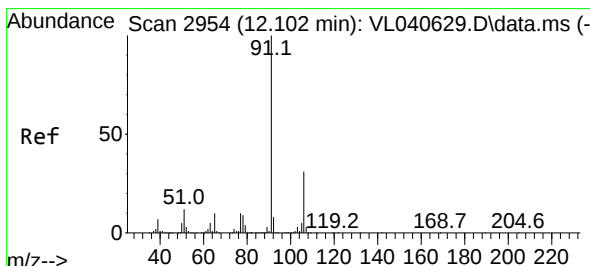
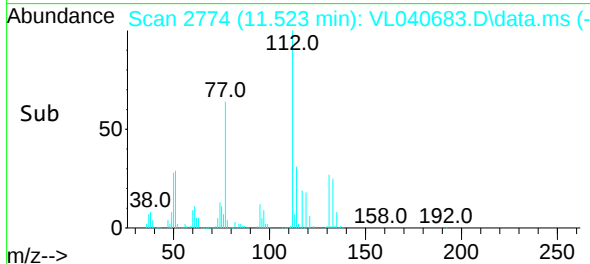
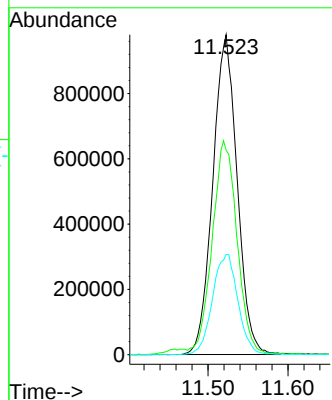
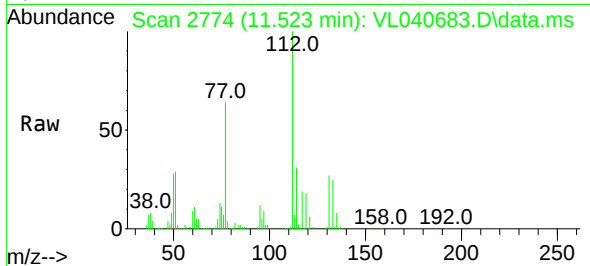




#57
Chlorobenzene
Concen: 7.828 ppbv
RT: 11.523 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

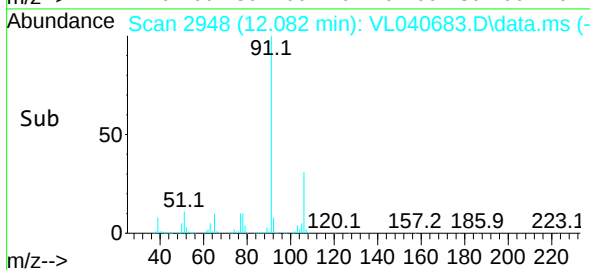
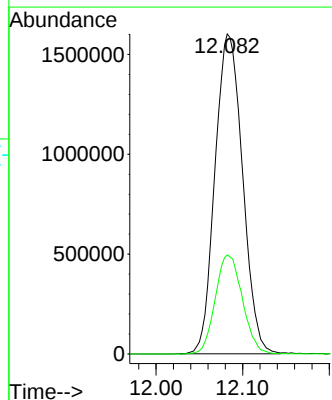
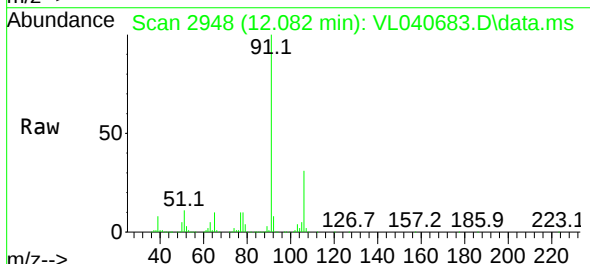
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

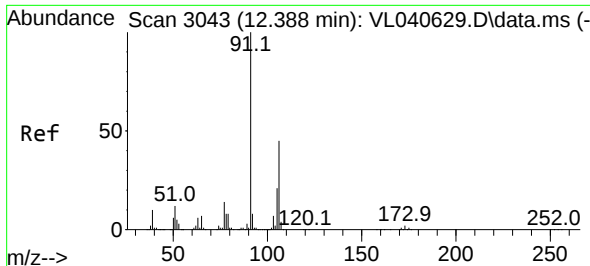
Tgt Ion:112 Resp: 2067828
Ion Ratio Lower Upper
112 100
77 63.5 50.8 76.2
114 31.3 28.2 34.4



#58
Ethyl Benzene
Concen: 8.893 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 91 Resp: 3536716
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1





#59

m/p-Xylene

Concen: 6.390 ppbv

RT: 12.368 min Scan# 30

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

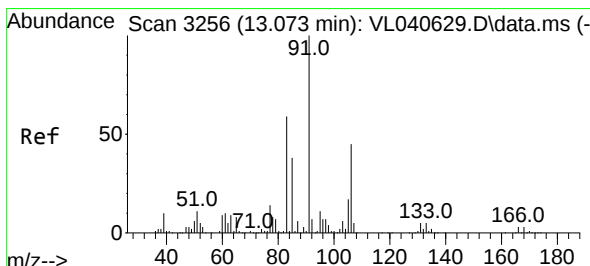
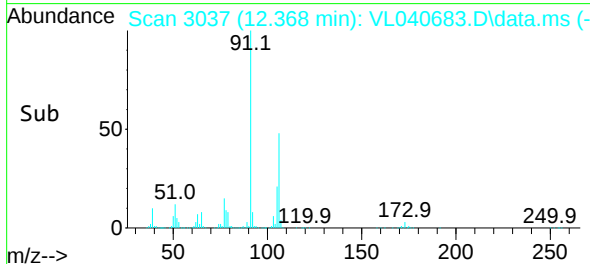
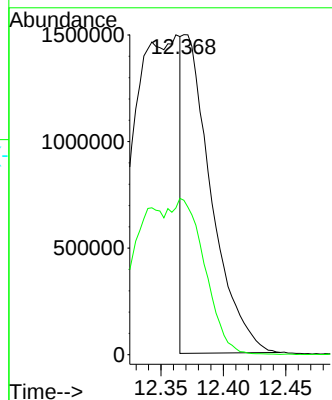
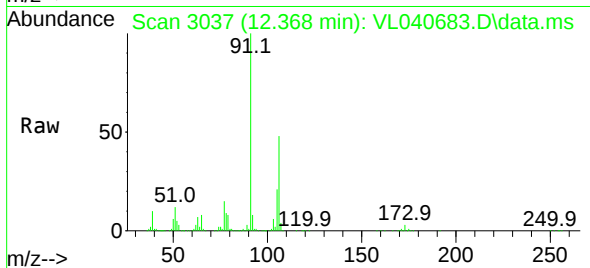
VSTDICCC010

Tgt Ion: 91 Resp: 2386373

Ion Ratio Lower Upper

91 100

106 116.0 34.8 52.2#



#60

o-Xylene

Concen: 8.640 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VL040683.D

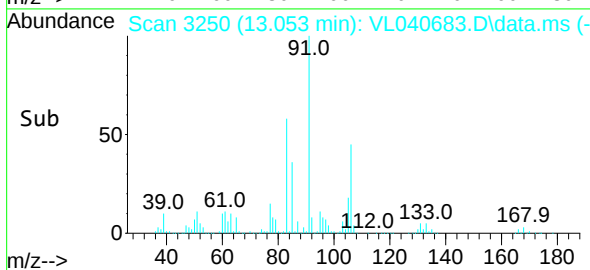
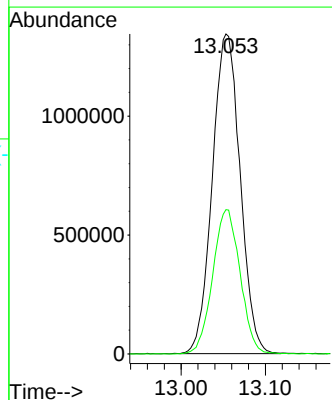
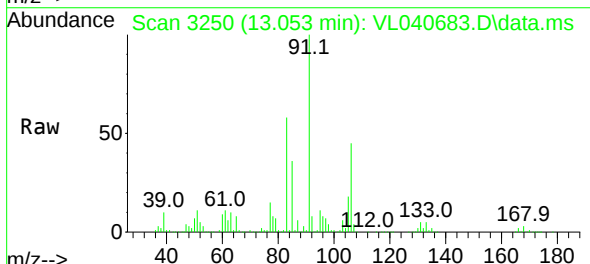
Acq: 14 Sep 2023 13:46

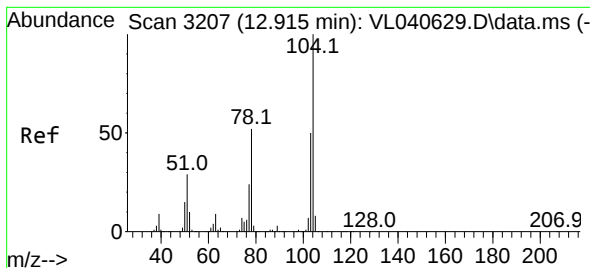
Tgt Ion: 91 Resp: 3077163

Ion Ratio Lower Upper

91 100

106 44.6 22.3 66.9





#61

Styrene

Concen: 9.856 ppbv

RT: 12.896 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

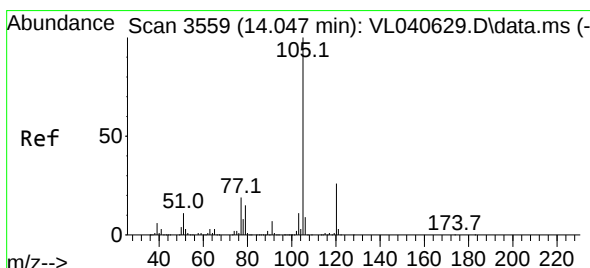
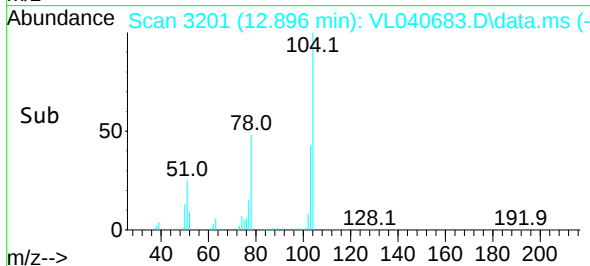
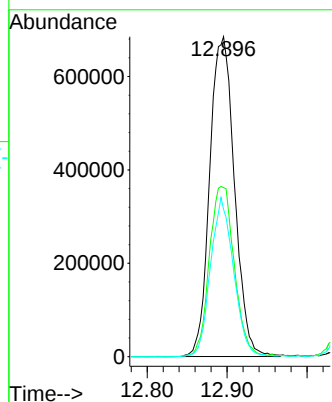
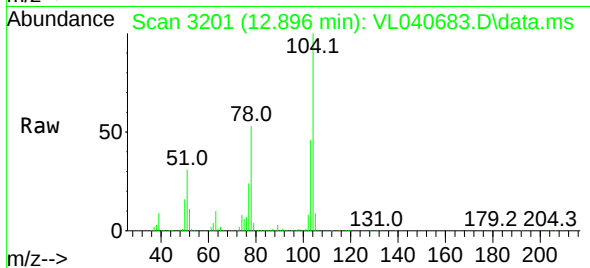
Tgt Ion:104 Resp: 1471009

Ion Ratio Lower Upper

104 100

78 54.2 43.4 65.0

103 46.5 37.2 55.8



#62

Isopropylbenzene

Concen: 8.325 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. 0.000 min

Lab File: VL040683.D

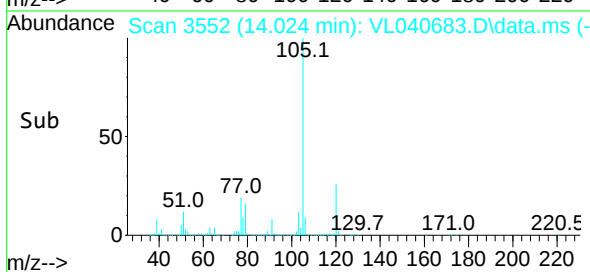
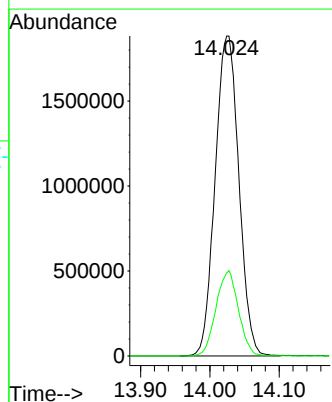
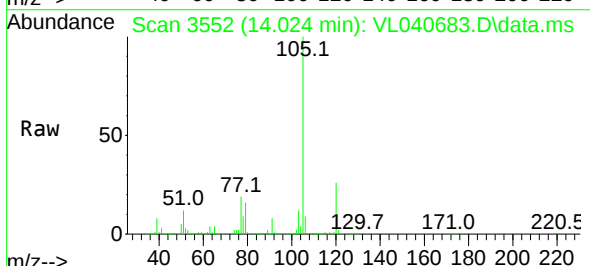
Acq: 14 Sep 2023 13:46

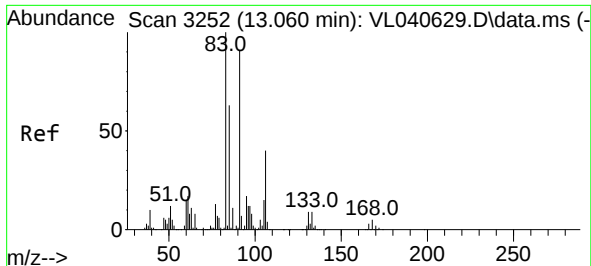
Tgt Ion:105 Resp: 4476584

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.4

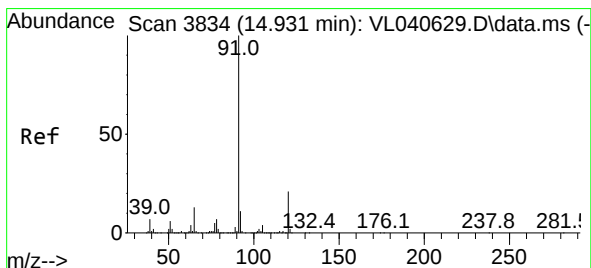
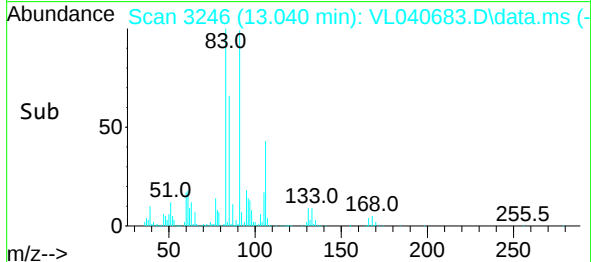
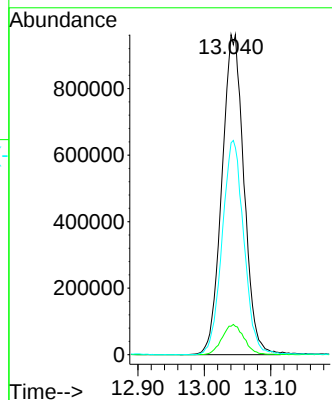
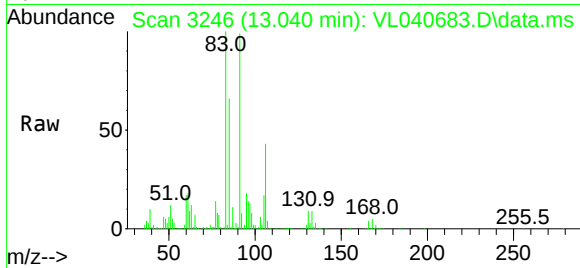




#63
1,1,2,2-Tetrachloroethane
Concen: 7.958 ppbv
RT: 13.040 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

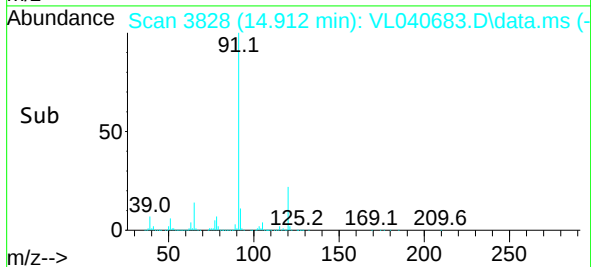
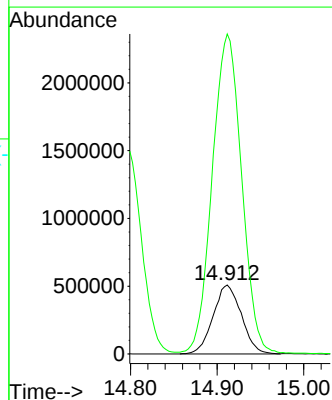
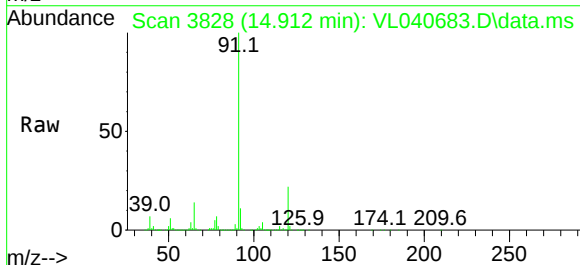
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

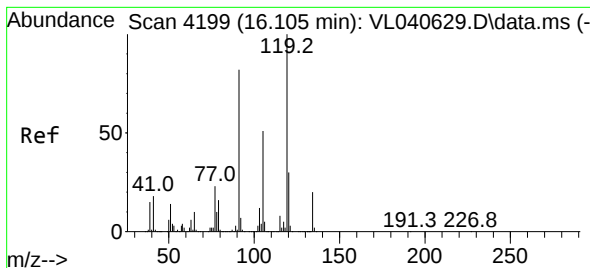
Tgt Ion: 83 Resp: 2221203
Ion Ratio Lower Upper
83 100
131 9.4 4.7 14.1
85 66.2 33.1 99.3



#64
n-propylbenzene
Concen: 8.569 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 120 Resp: 1152034
Ion Ratio Lower Upper
120 100
91 483.1 386.9 580.3





#65

tert-Butylbenzene

Concen: 8.372 ppbv

RT: 16.085 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

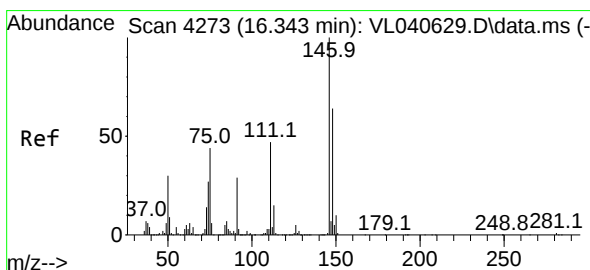
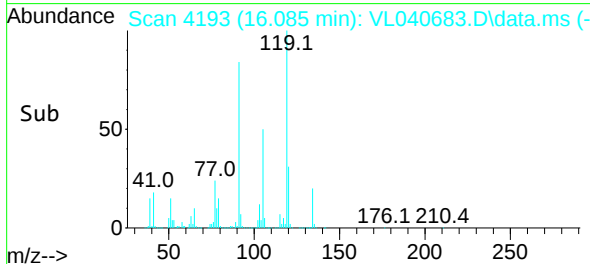
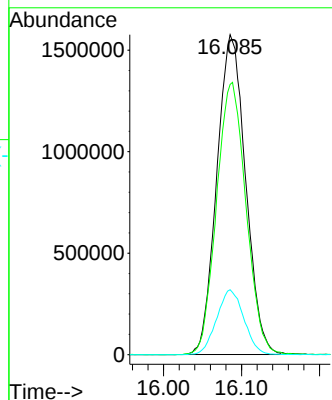
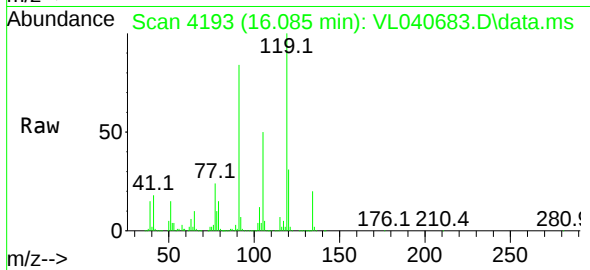
Tgt Ion:119 Resp: 4040586

Ion Ratio Lower Upper

119 100

91 87.3 69.8 104.8

134 19.3 15.4 23.2



#66

Benzyl Chloride

Concen: 8.882 ppbv

RT: 16.323 min Scan# 4267

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

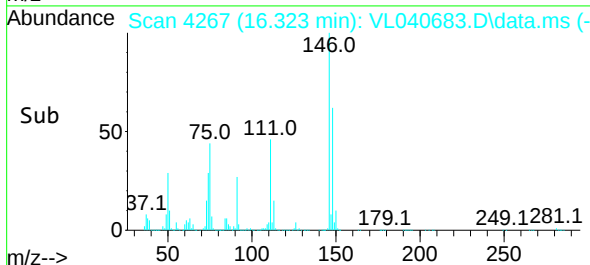
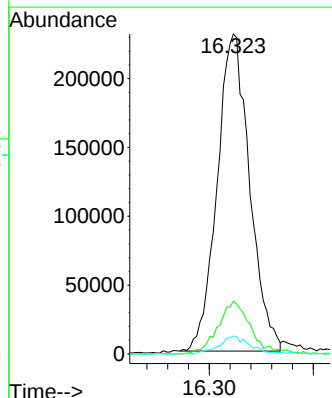
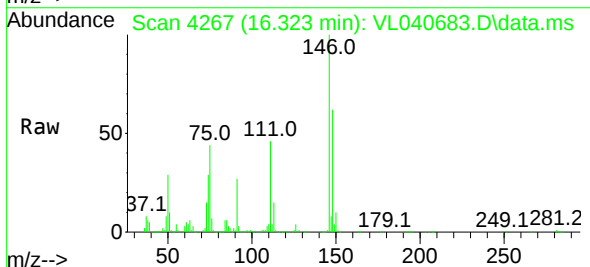
Tgt Ion: 91 Resp: 500252

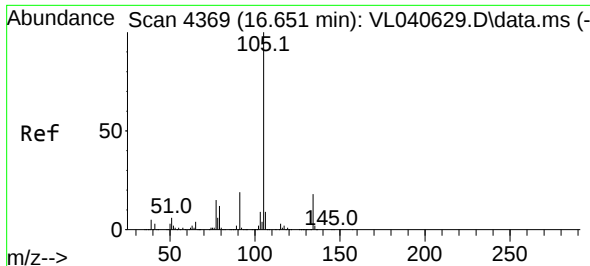
Ion Ratio Lower Upper

91 100

126 17.0 13.6 20.4

128 5.5 4.4 6.6

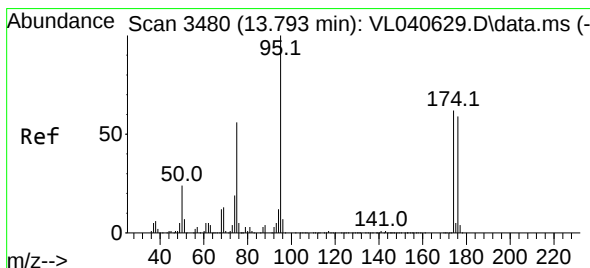
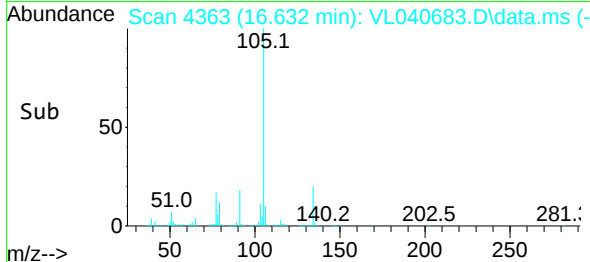
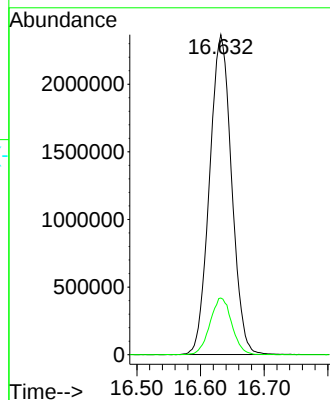
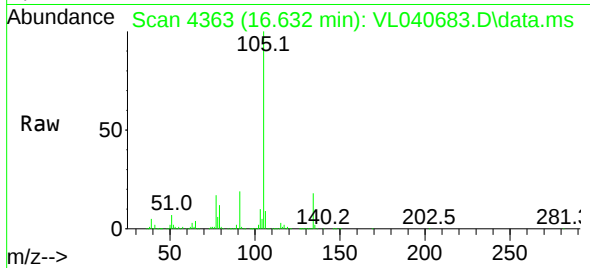




#67
 sec-Butylbenzene
 Concen: 8.258 ppbv
 RT: 16.632 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

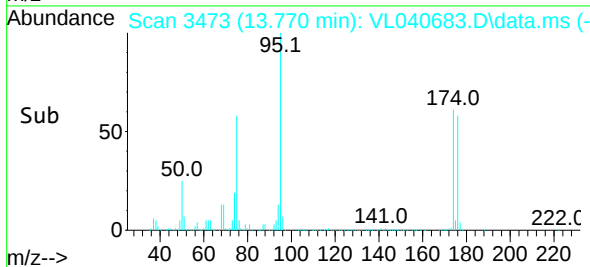
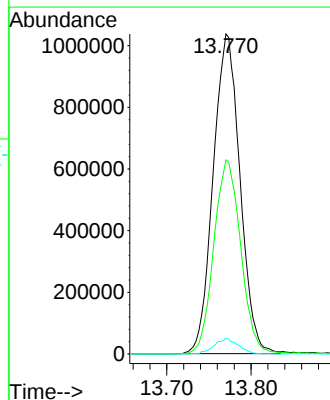
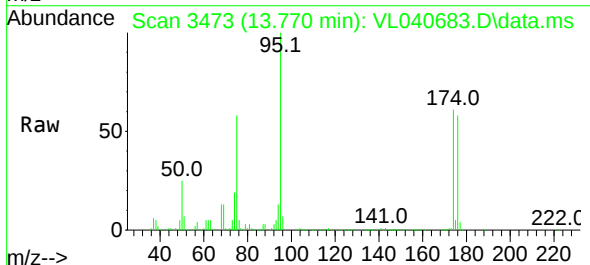
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

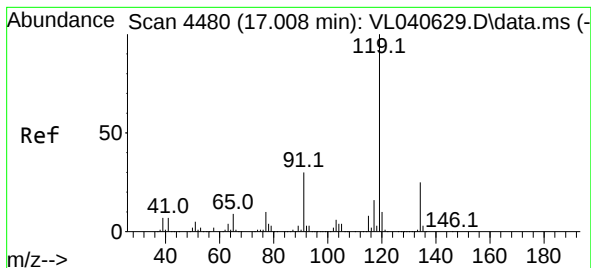
Tgt Ion:105 Resp: 5704979
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.493 ppbv
 RT: 13.770 min Scan# 3473
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

Tgt Ion: 95 Resp: 2288772
 Ion Ratio Lower Upper
 95 100
 174 60.9 48.9 73.3
 175 4.4 3.5 5.3





#69

p-Isopropyltoluene

Concen: 8.523 ppbv

RT: 16.992 min Scan# 4480

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

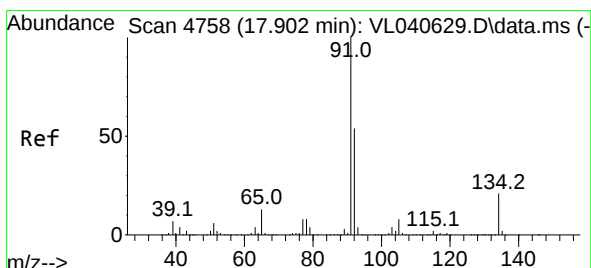
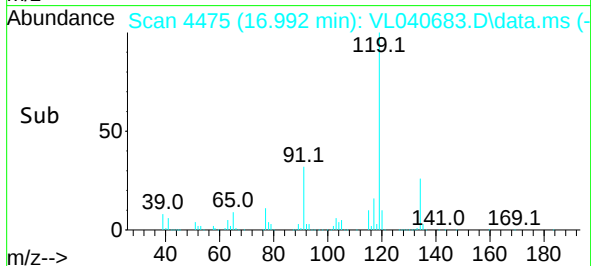
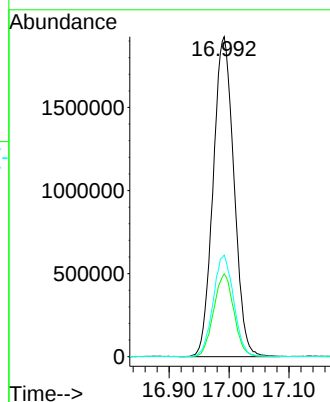
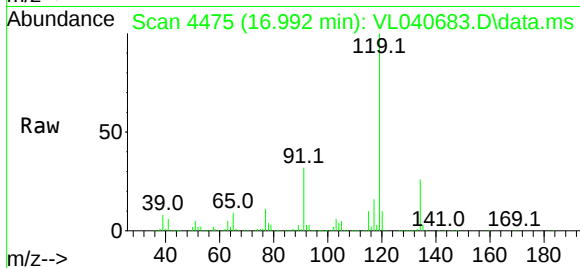
Tgt Ion:119 Resp: 4627903

Ion Ratio Lower Upper

119 100

134 25.2 20.2 30.2

91 31.3 25.0 37.6



#70

n-Butylbenzene

Concen: 8.409 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

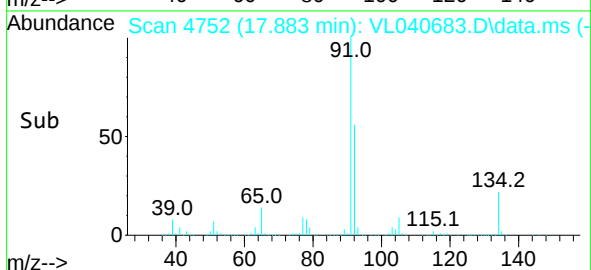
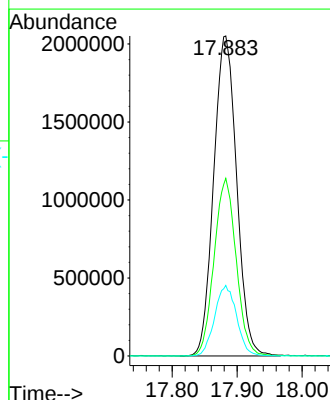
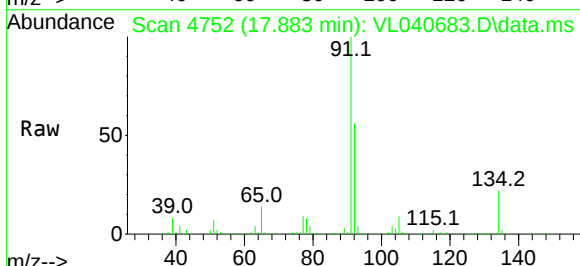
Tgt Ion: 91 Resp: 5025551

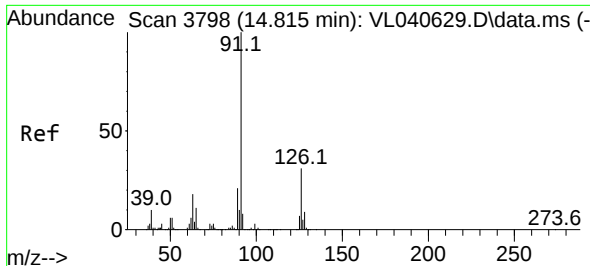
Ion Ratio Lower Upper

91 100

92 53.5 42.7 64.1

134 21.2 17.0 25.4

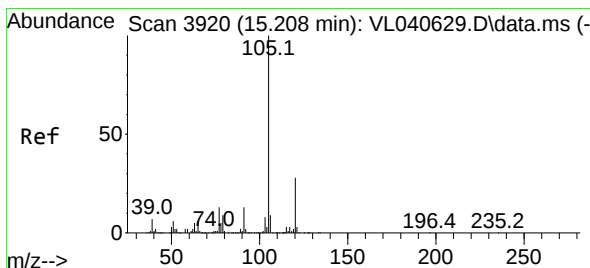
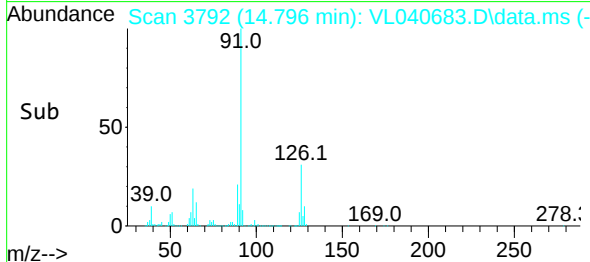
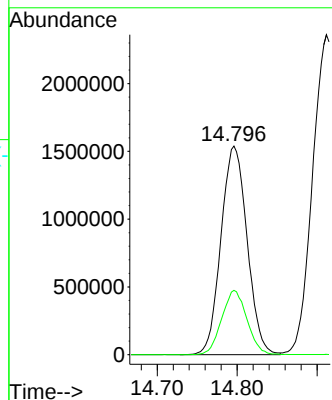
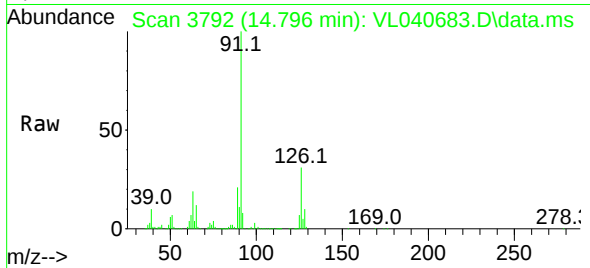




#71
2-Chlorotoluene
Concen: 8.782 ppbv
RT: 14.796 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

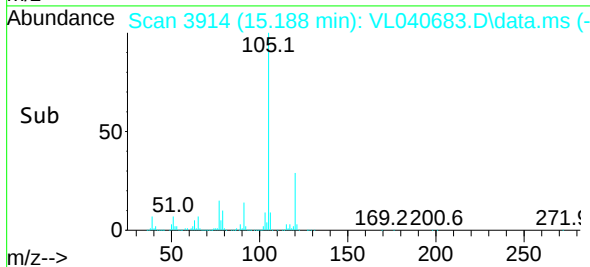
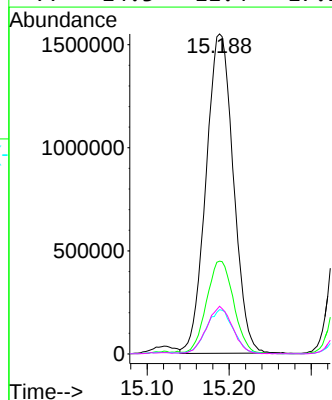
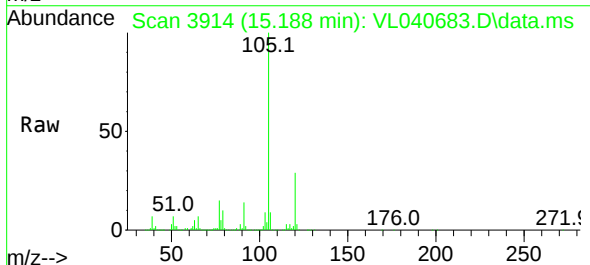
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

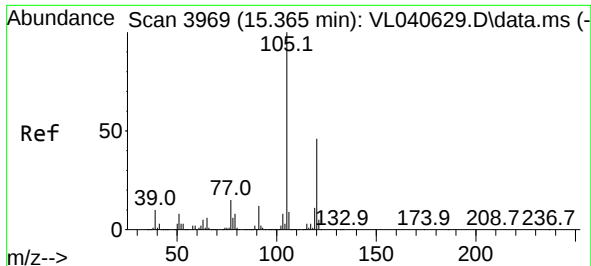
Tgt Ion: 91 Resp: 3493873
Ion Ratio Lower Upper
91 100
126 29.9 12.0 47.8



#72
4-Ethyltoluene
Concen: 8.988 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 105 Resp: 3589579
Ion Ratio Lower Upper
105 100
120 29.9 23.9 35.9
91 14.0 11.0 16.4
77 14.3 11.4 17.2

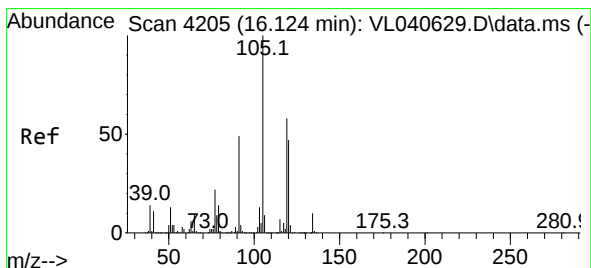
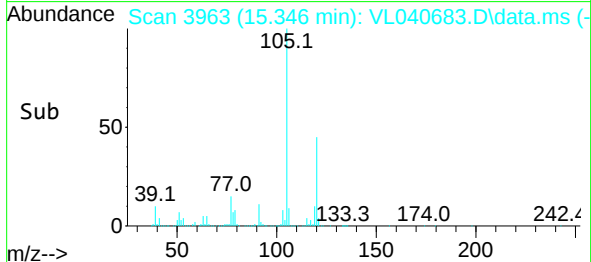
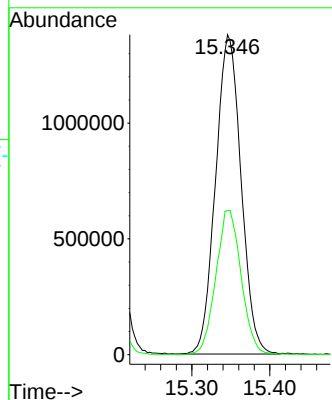
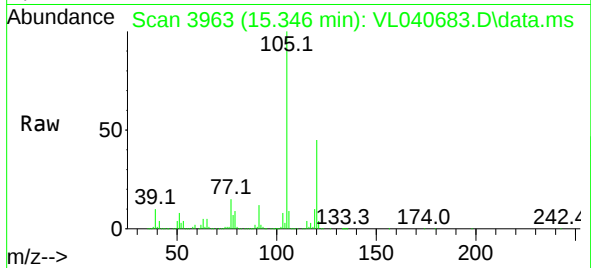




#73
1,3,5-Trimethylbenzene
Concen: 8.704 ppbv
RT: 15.346 min Scan# 3969
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

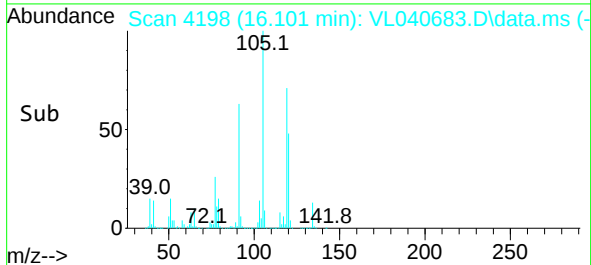
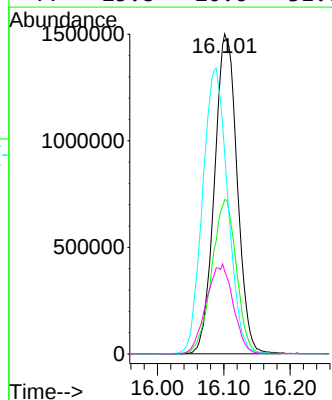
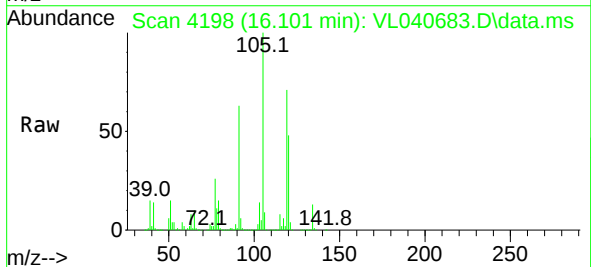
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

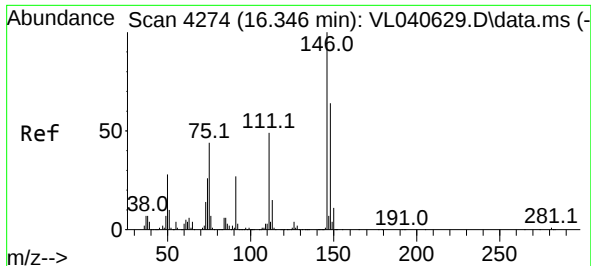
Tgt Ion:105 Resp: 3130023
Ion Ratio Lower Upper
105 100
120 45.1 36.1 54.1



#74
1,2,4-Trimethylbenzene
Concen: 8.144 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:105 Resp: 3570409
Ion Ratio Lower Upper
105 100
120 48.2 38.6 57.8
91 62.5 50.0 75.0
77 25.8 20.6 31.0

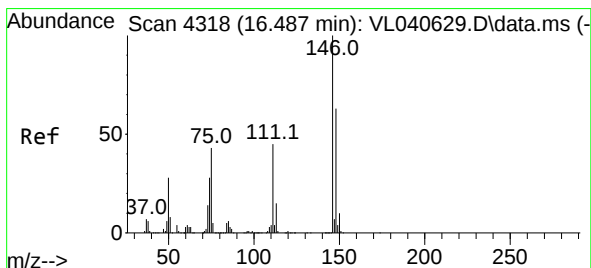
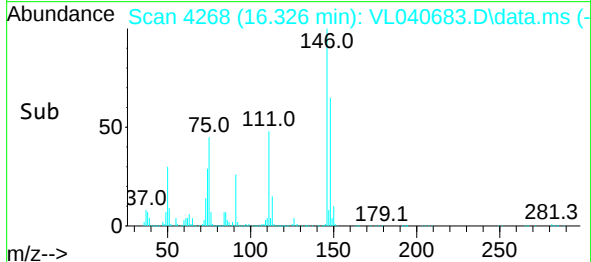
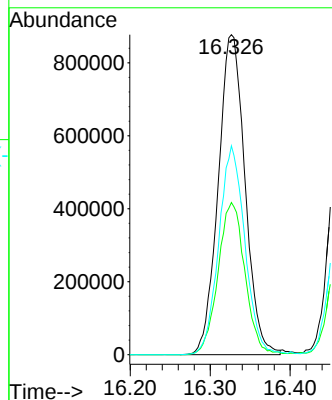
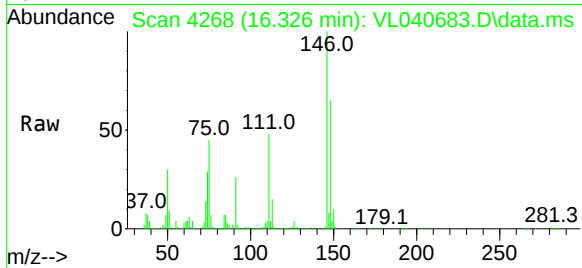




#75
1,3-Dichlorobenzene
Concen: 8.172 ppbv
RT: 16.326 min Scan# 4312
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

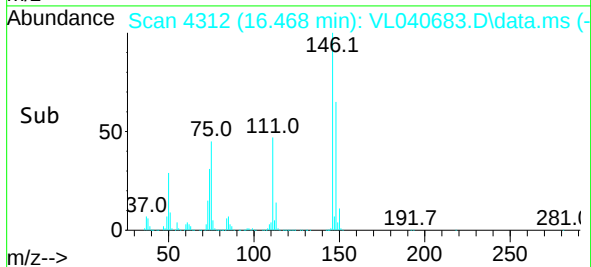
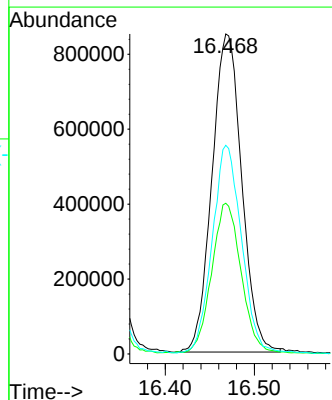
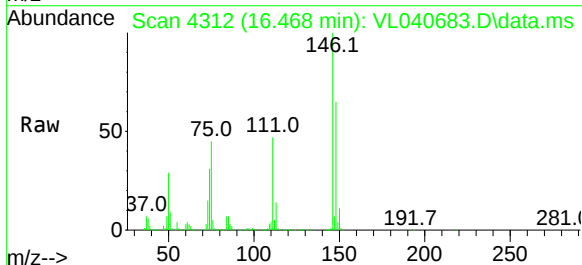
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

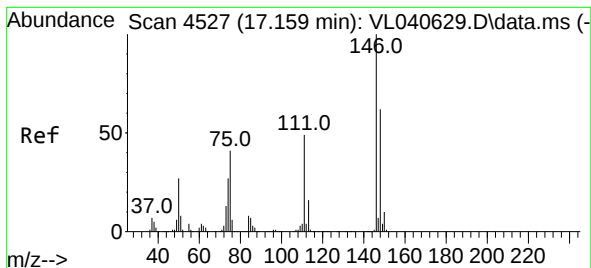
Tgt Ion:146 Resp: 2041281
Ion Ratio Lower Upper
146 100
111 47.8 23.9 71.7
148 63.6 31.8 95.4



#76
1,4-Dichlorobenzene
Concen: 8.012 ppbv
RT: 16.468 min Scan# 4312
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:146 Resp: 1969146
Ion Ratio Lower Upper
146 100
111 47.6 23.8 71.2
148 65.3 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 7.830 ppbv

RT: 17.140 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

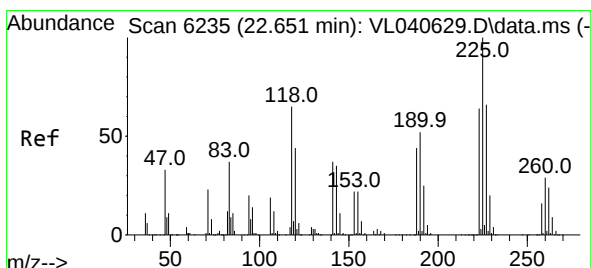
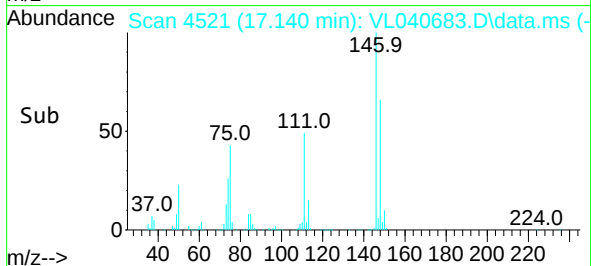
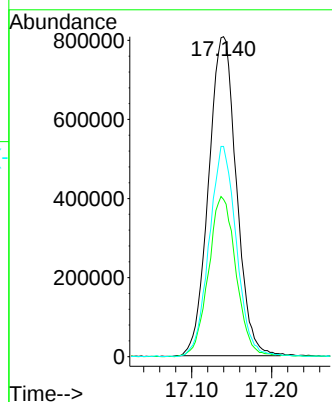
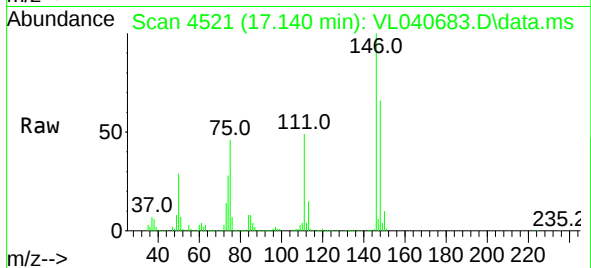
Tgt Ion:146 Resp: 1947945

Ion Ratio Lower Upper

146 100

111 50.0 25.0 75.0

148 64.7 32.4 97.0



#78

Hexachloro-1,3-Butadiene

Concen: 7.332 ppbv

RT: 22.628 min Scan# 6228

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

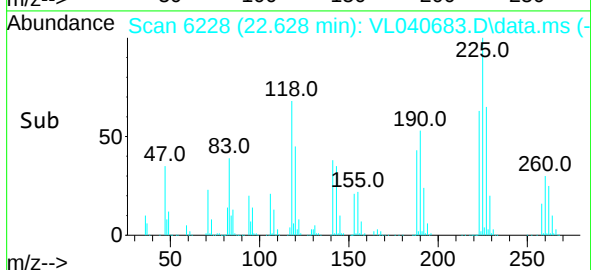
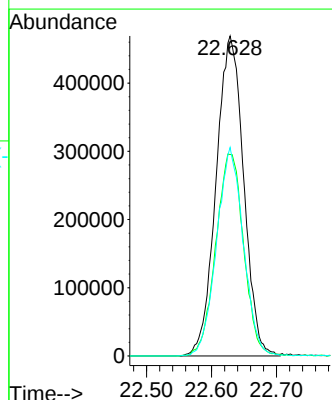
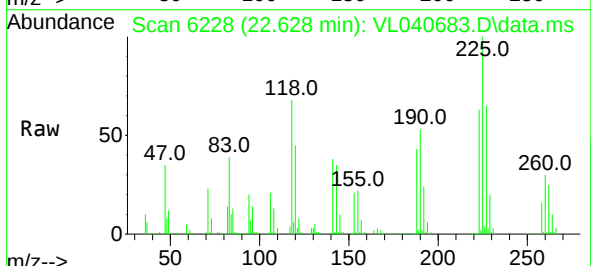
Tgt Ion:225 Resp: 1380087

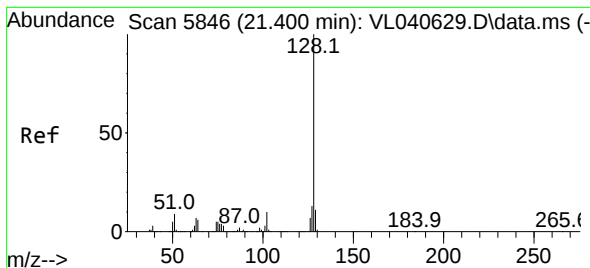
Ion Ratio Lower Upper

225 100

223 63.9 51.2 76.8

227 63.3 50.7 76.1





#79

Naphthalene

Concen: 10.493 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

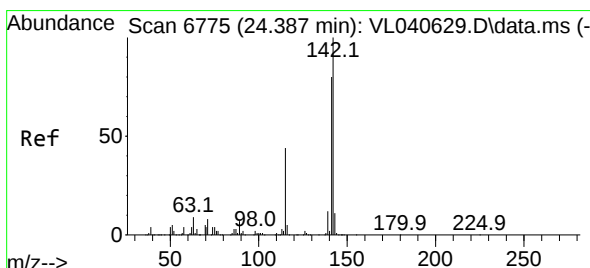
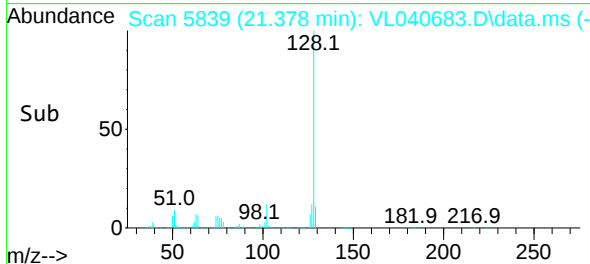
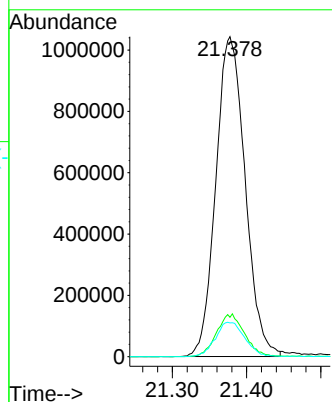
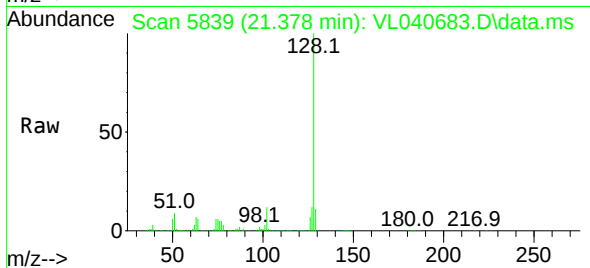
Tgt Ion:128 Resp: 2862472

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.6

129 10.5 8.4 12.6



#80

Naphthalene,2-methyl-

Concen: 11.801 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL040683.D

Acq: 14 Sep 2023 13:46

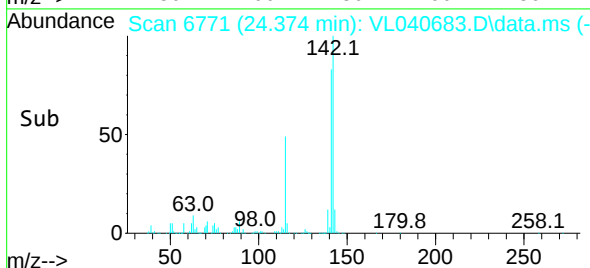
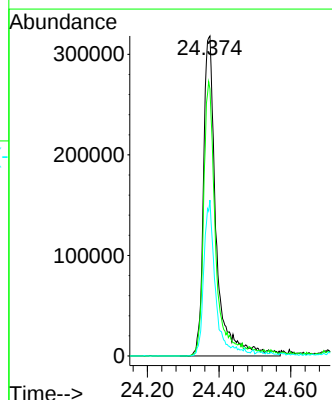
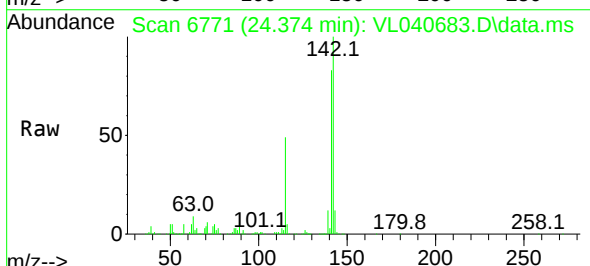
Tgt Ion:142 Resp: 788487

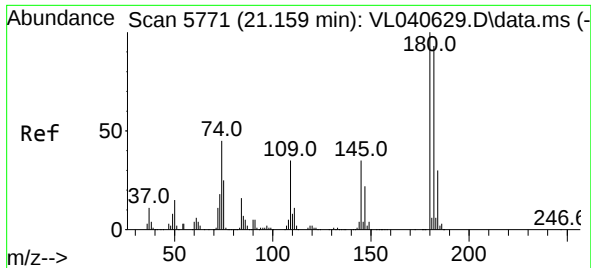
Ion Ratio Lower Upper

142 100

141 83.8 67.0 100.6

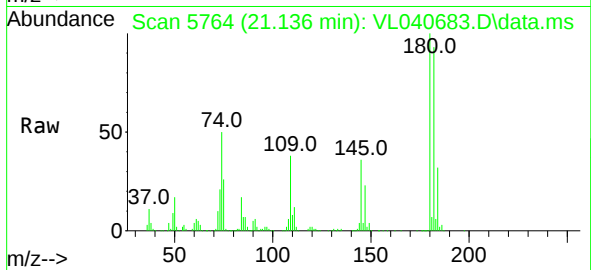
115 46.8 37.4 56.2





#81
 1,2,4-Trichlorobenzene
 Concen: 8.594 ppbv
 RT: 21.136 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL040683.D
 Acq: 14 Sep 2023 13:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:180 Resp: 1531360

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.9	116.9
184	30.8	24.4	36.6

