

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
 Data File : VL040689.D
 Acq On : 14 Sep 2023 17:45
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Sep 15 05:52:38 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	1169827	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2933279	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2843892	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2269866	10.331	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.722	85	2966690	11.510	ppbv	100
3) Chlorodifluoromethane	2.668	51	2483122	13.029	ppbv	99
4) Chloromethane	2.806	50	951909	13.047	ppbv	99
5) Vinyl Chloride	2.912	62	1115806	12.940	ppbv	98
6) Bromomethane	3.115	94	563224	13.538	ppbv	99
7) Chloroethane	3.192	64	391241	13.210	ppbv	100
8) Dichlorotetrafluoroethane	2.851	85	2812908	13.220	ppbv	100
9) Propene	2.687	41	728141	13.263	ppbv	98
10) Heptane	7.574	43	1884270	15.231	ppbv	98
11) Trichlorofluoromethane	3.555	101	3130681	13.817	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.060	101	2234651	13.787	ppbv	99
13) Ethanol	3.234	45	170135	10.470	ppbv	99
14) Bromoethene	3.359	108	956533	14.070	ppbv	99
15) Acetone	3.459	43	1984099	12.858	ppbv	98
16) 1,3-Butadiene	2.980	39	963166	14.323	ppbv	97
17) tert-Butyl alcohol	3.870	59	2018822	12.773	ppbv	100
18) 1,1-Dichloroethene	3.873	96	1011970	14.047	ppbv	94
19) Isopropyl Alcohol	3.568	45	1138004	12.240	ppbv #	98
20) Methylene Chloride	3.925	84	881118	10.609	ppbv	97
21) Allyl Chloride	3.989	41	1354167	14.320	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	1048300	14.716	ppbv	97
23) Vinyl Acetate	4.619	43	2450290	15.355	ppbv	99
24) 1,1-Dichloroethane	4.555	63	2065625	13.832	ppbv	99
25) Ethyl Acetate	5.198	43	3463673	13.918	ppbv	99
26) Hexane	5.205	57	1503761	12.779	ppbv	100
27) Carbon Disulfide	4.118	76	2587345	15.767	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	1456582	14.387	ppbv	99
29) Chloroform	5.269	83	2772614	13.646	ppbv	98
30) Cyclohexane	6.597	84	1316838	14.860	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	1605779	14.708	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	2895294	13.939	ppbv	99
34) 2-Butanone	4.780	43	2046044	13.870	ppbv	99
35) Carbon Tetrachloride	6.487	117	3034707	15.067	ppbv	99
36) Benzene	6.365	78	3186964	14.672	ppbv	97
37) 1,2-Dichloroethane	5.803	62	2150066	14.463	ppbv	100
38) Trichloroethene	7.285	130	1397248	16.868	ppbv	98
39) 1,2-Dichloropropane	7.069	63	1221925	14.615	ppbv	96
40) 1,4-Dioxane	7.278	88	476675	15.081	ppbv #	95
41) Tetrahydrofuran	5.549	42	1156126	15.284	ppbv	98
42) Bromodichloromethane	7.243	83	3101126	15.289	ppbv	99
43) Methyl Methacrylate	7.468	69	1368448	16.949	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	5298691	15.321	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	1235142	19.729	ppbv	97

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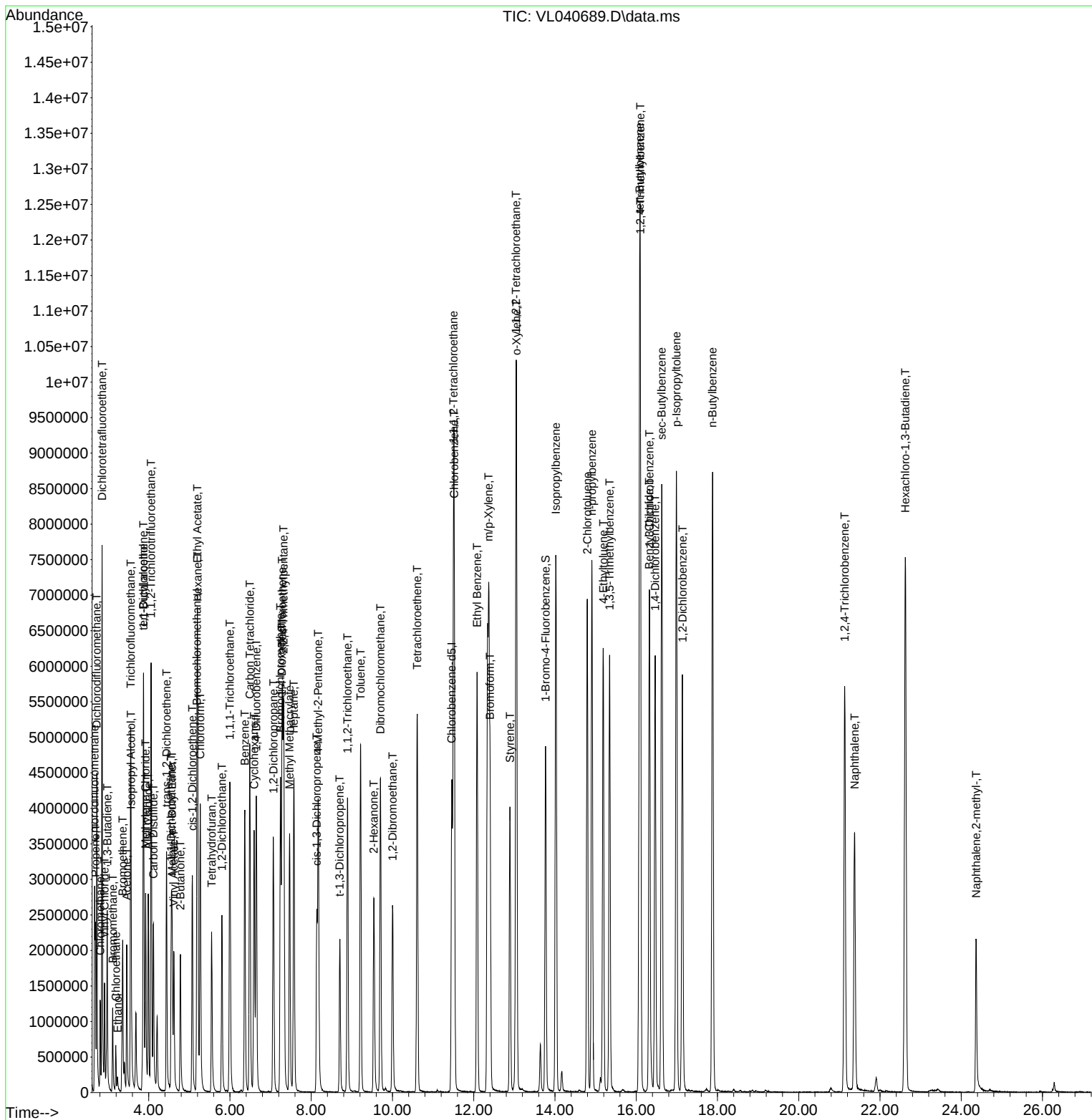
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

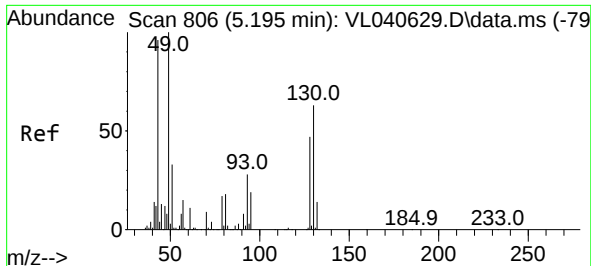
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 14 19:50:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	1381222	18.032	ppbv	98
47) 1,1,2-Trichloroethane	8.892	97	1439063	14.998	ppbv	98
48) Dibromochloromethane	9.703	129	2656411	16.783	ppbv	100
49) Bromoform	12.404	173	2244229	17.264	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	3234341	16.225	ppbv	98
51) 2-Hexanone	9.542	43	2394882	17.406	ppbv #	99
52) Tetrachloroethene	10.609	164	1204487	16.999	ppbv	96
53) Toluene	9.217	91	3870711	16.879	ppbv	100
54) 1,2-Dibromoethane	10.002	107	2108636	17.217	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.503	131	1975819	14.575	ppbv #	74
57) Chlorobenzene	11.523	112	3164623	14.695	ppbv	95
58) Ethyl Benzene	12.082	91	5357729	16.524	ppbv	98
59) m/p-Xylene	12.368	91	4859976	15.963	ppbv #	32
60) o-Xylene	13.053	91	4683735	16.131	ppbv	99
61) Styrene	12.892	104	2304869	18.941	ppbv	99
62) Isopropylbenzene	14.024	105	6669750	15.214	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	3362968	14.778	ppbv	99
64) n-propylbenzene	14.908	120	1771016	16.157	ppbv	94
65) tert-Butylbenzene	16.085	119	6062981	15.409	ppbv	99
66) Benzyl Chloride	16.320	91	837837	18.245	ppbv	99
67) sec-Butylbenzene	16.628	105	8452619	15.006	ppbv	100
69) p-Isopropyltoluene	16.989	119	6916843	15.624	ppbv	99
70) n-Butylbenzene	17.879	91	7490043	15.372	ppbv	99
71) 2-Chlorotoluene	14.796	91	5241947	16.161	ppbv	98
72) 4-Ethyltoluene	15.188	105	5375207	16.508	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	4696830	16.020	ppbv	96
74) 1,2,4-Trimethylbenzene	16.101	105	5349210	14.966	ppbv	98
75) 1,3-Dichlorobenzene	16.326	146	3078599	15.118	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	3001069	14.978	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	2949612	14.542	ppbv	100
78) Hexachloro-1,3-Butadiene	22.625	225	2121929	13.827	ppbv	99
79) Naphthalene	21.378	128	4511170	20.283	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	1415917	25.992	ppbv	97
81) 1,2,4-Trichlorobenzene	21.130	180	2408494	16.578	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
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QLast Update : Thu Sep 14 19:50:34 2023
Response via : Initial Calibration

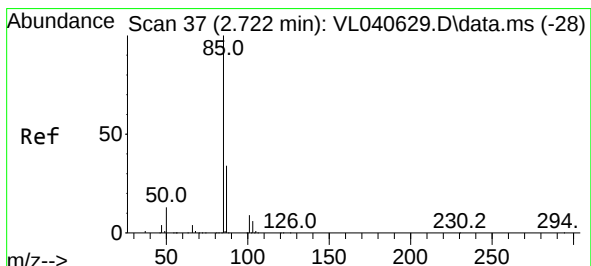
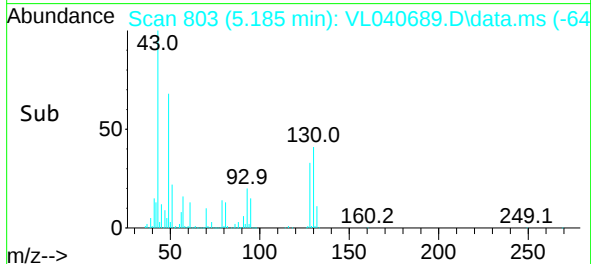
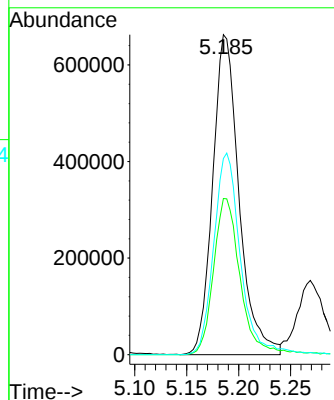
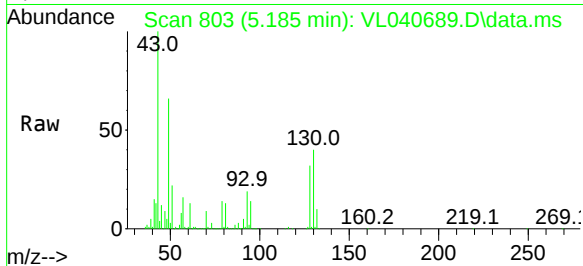




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VL040689.D
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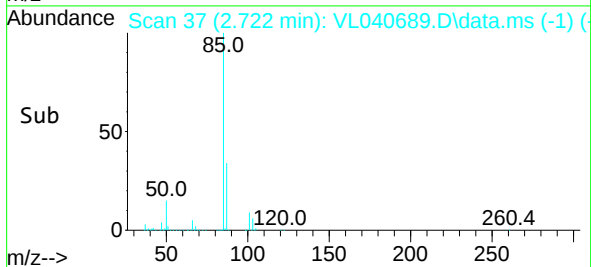
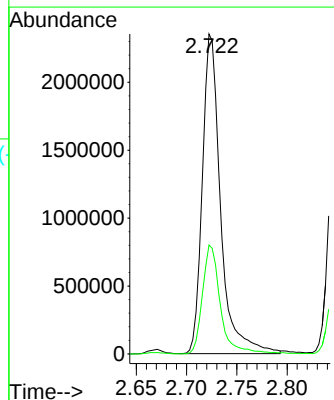
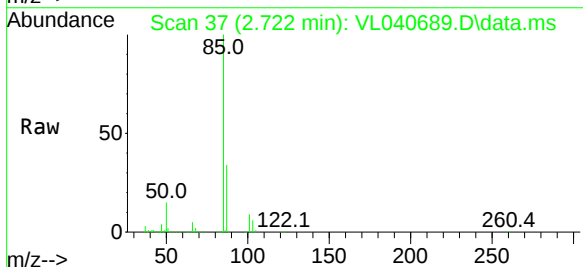
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

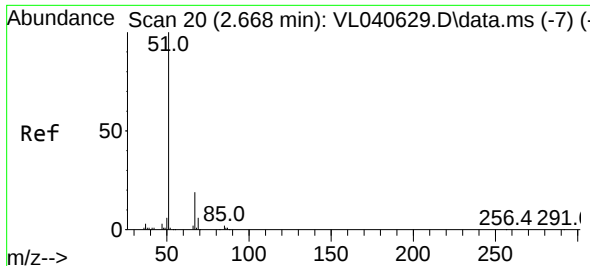
Tgt Ion: 49 Resp: 1169827
 Ion Ratio Lower Upper
 49 100
 128 49.9 25.4 76.0
 130 64.2 32.3 96.8



#2
 Dichlorodifluoromethane
 Concen: 11.510 ppbv
 RT: 2.722 min Scan# 37
 Delta R.T. 0.003 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

Tgt Ion: 85 Resp: 2966690
 Ion Ratio Lower Upper
 85 100
 87 34.0 27.2 40.8

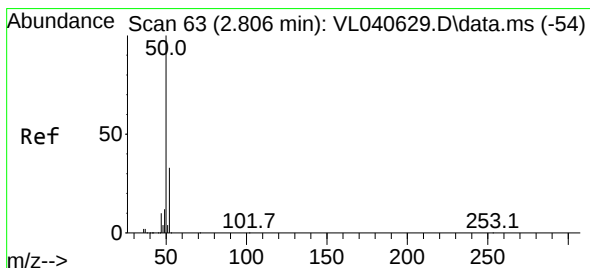
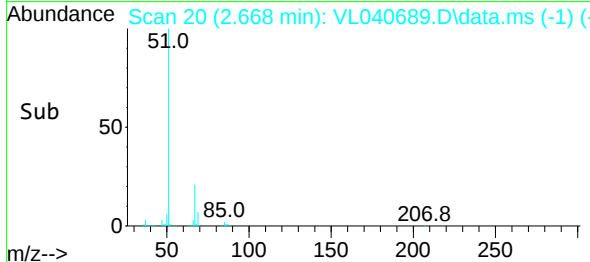
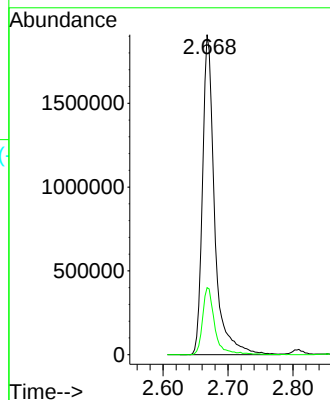
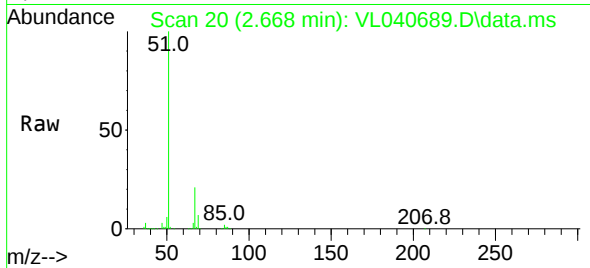




#3
Chlorodifluoromethane
Concen: 13.029 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

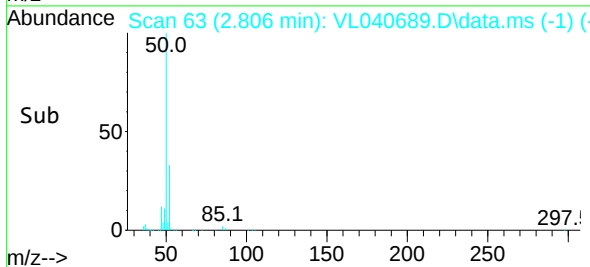
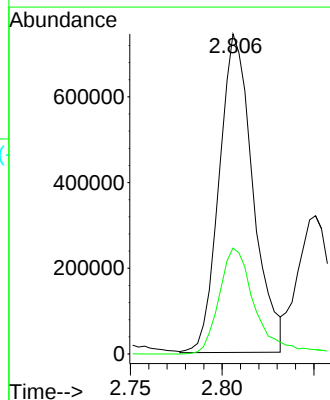
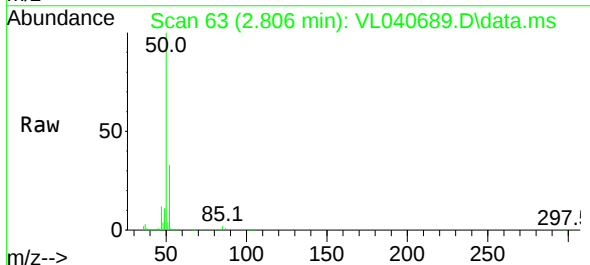
Instrument :
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ClientSampleId :
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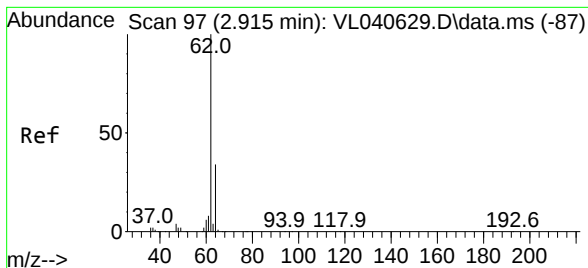
Tgt Ion: 51 Resp: 2483122
Ion Ratio Lower Upper
51 100
67 21.2 16.7 25.1



#4
Chloromethane
Concen: 13.047 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 50 Resp: 951909
Ion Ratio Lower Upper
50 100
52 33.3 27.1 40.7

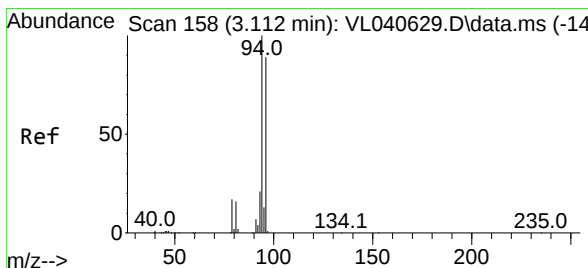
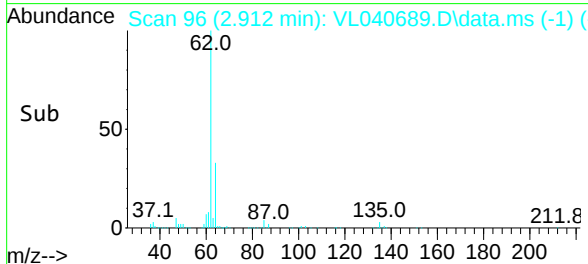
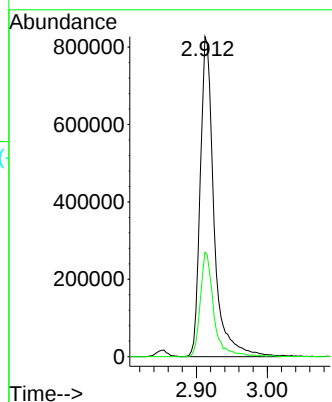
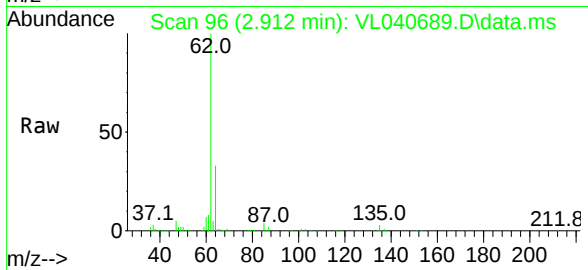




#5
 Vinyl Chloride
 Concen: 12.940 ppbv
 RT: 2.912 min Scan# 96
 Delta R.T. 0.003 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

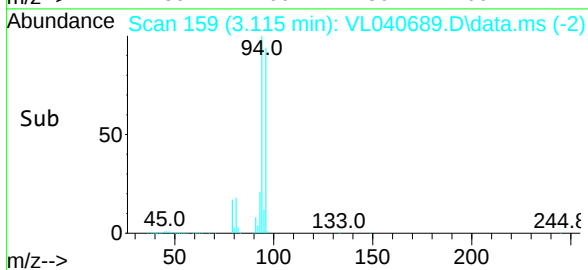
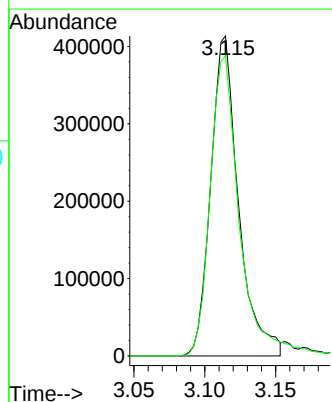
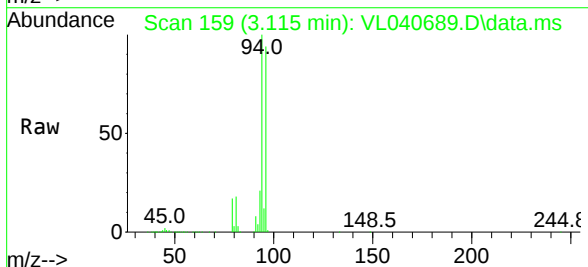
Instrument :
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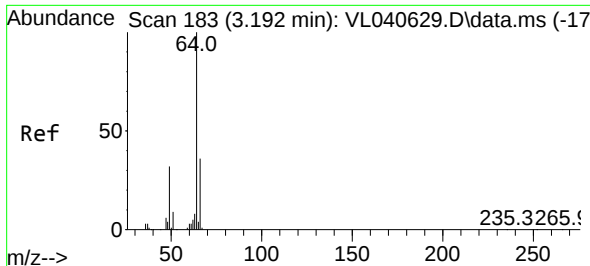
Tgt Ion: 62 Resp: 1115806
 Ion Ratio Lower Upper
 62 100
 64 32.6 27.2 40.8



#6
 Bromomethane
 Concen: 13.538 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.006 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

Tgt Ion: 94 Resp: 563224
 Ion Ratio Lower Upper
 94 100
 96 93.7 74.4 111.6

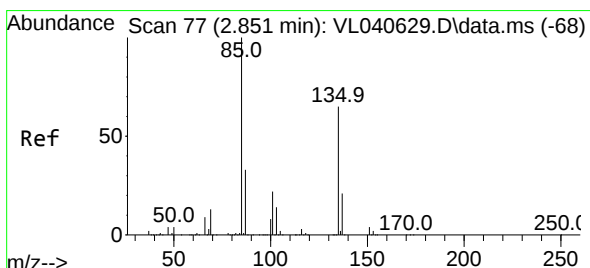
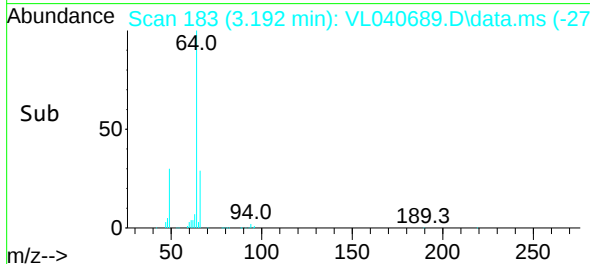
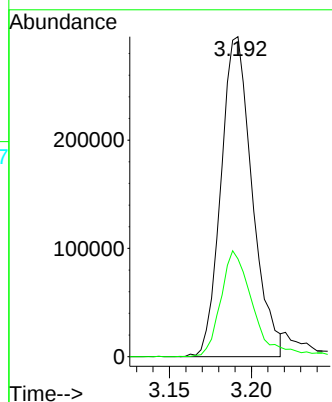
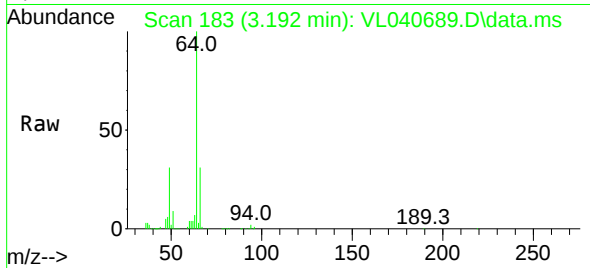




#7
Chloroethane
Concen: 13.210 ppbv
RT: 3.192 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

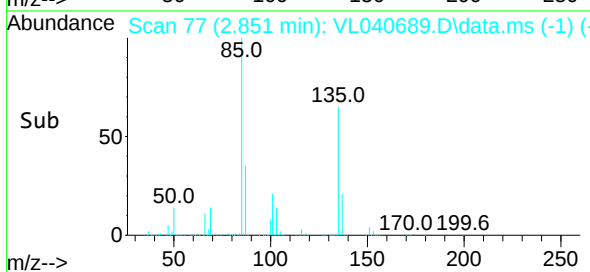
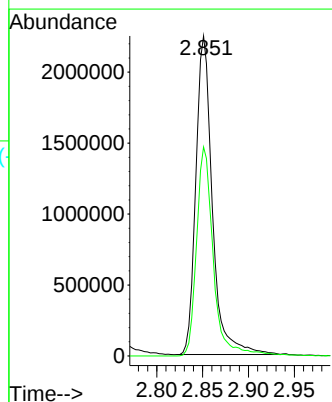
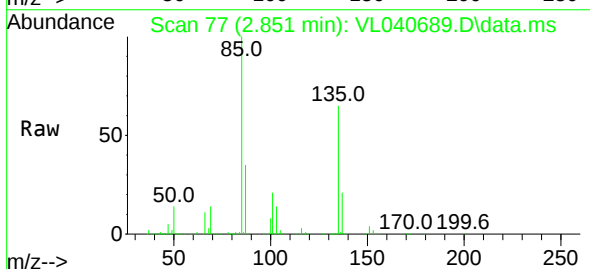
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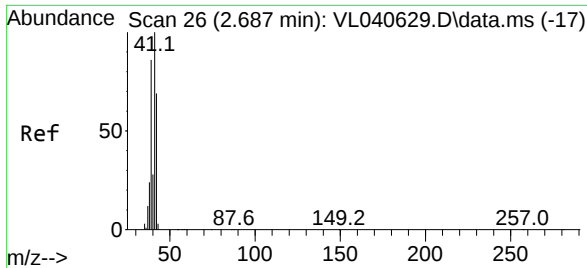
Tgt Ion: 64 Resp: 391241
Ion Ratio Lower Upper
64 100
66 30.6 24.5 36.7



#8
Dichlorotetrafluoroethane
Concen: 13.220 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 85 Resp: 2812908
Ion Ratio Lower Upper
85 100
135 67.1 53.4 80.2

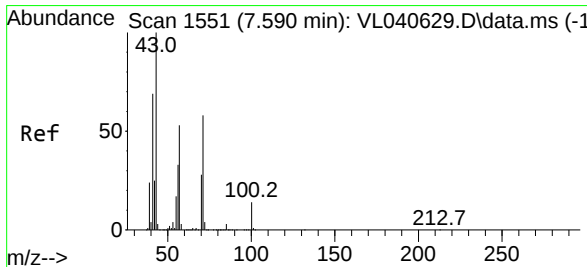
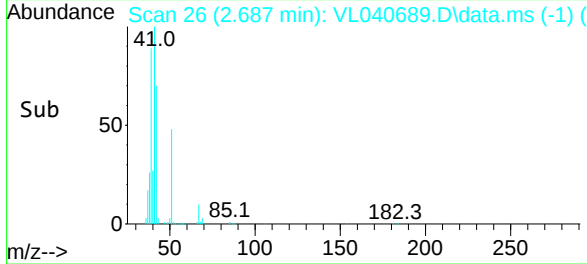
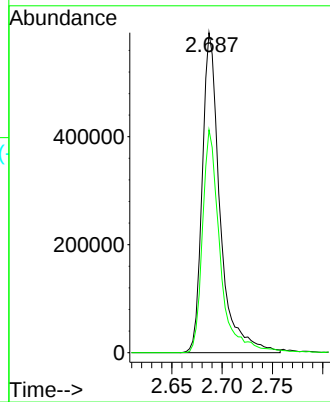
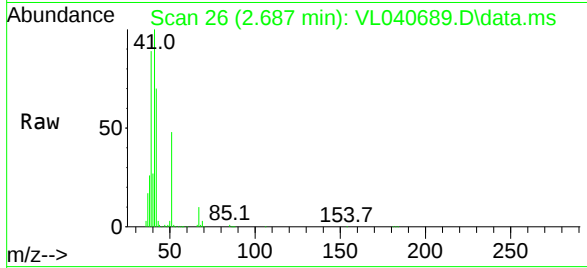




#9
 Propene
 Concen: 13.263 ppbv
 RT: 2.687 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

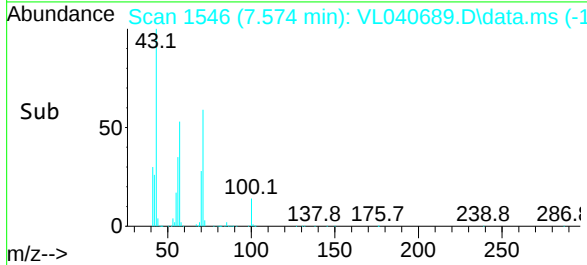
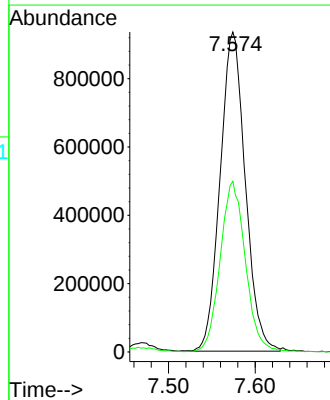
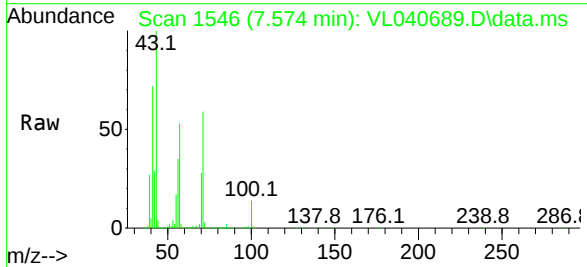
Instrument :
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 ClientSampleId :
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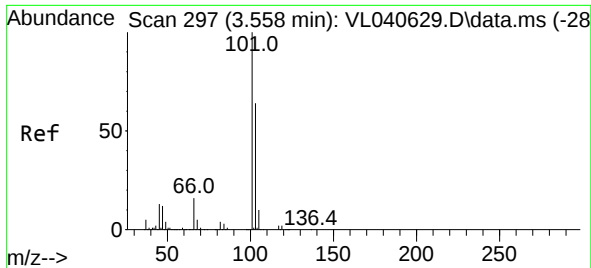
Tgt Ion: 41 Resp: 728141
 Ion Ratio Lower Upper
 41 100
 42 69.6 56.7 85.1



#10
 Heptane
 Concen: 15.231 ppbv
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.000 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

Tgt Ion: 43 Resp: 1884270
 Ion Ratio Lower Upper
 43 100
 57 53.9 41.8 62.6

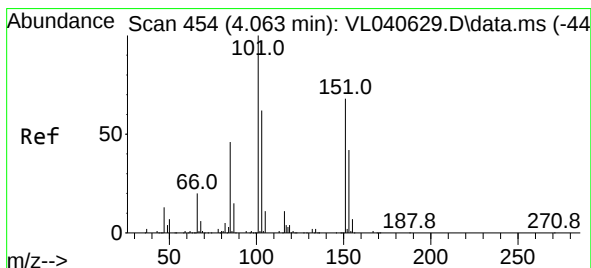
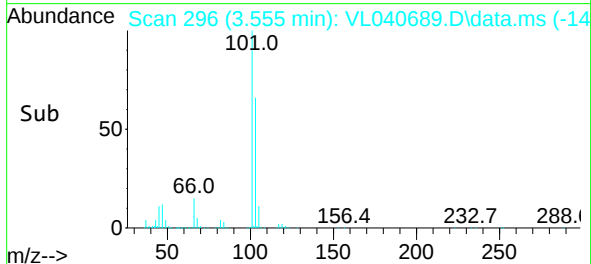
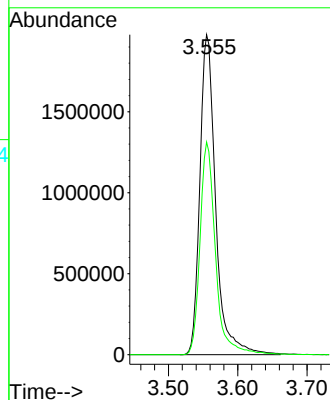
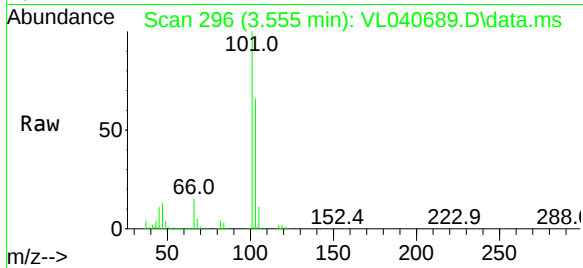




#11
 Trichlorofluoromethane
 Concen: 13.817 ppbv
 RT: 3.555 min Scan# 297
 Delta R.T. 0.003 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

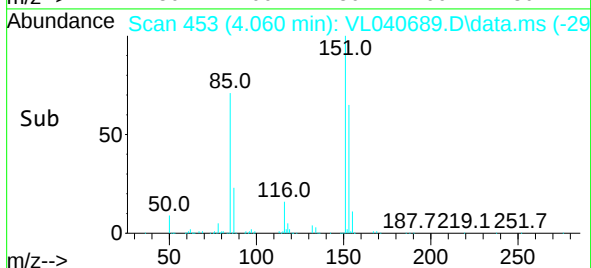
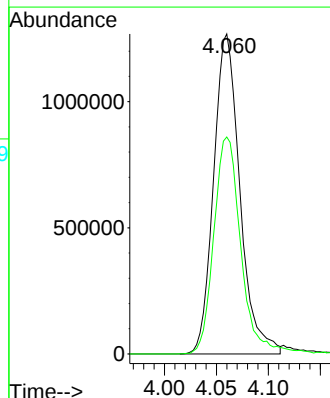
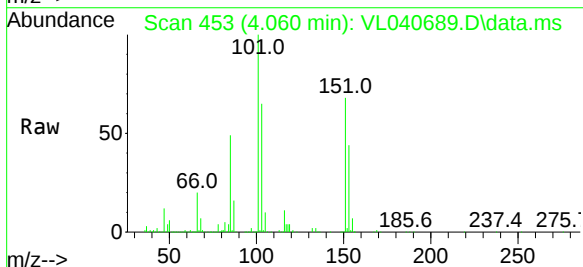
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

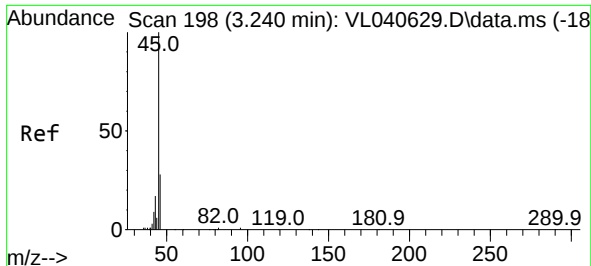
Tgt Ion:101 Resp: 3130681
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.787 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.003 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

Tgt Ion:101 Resp: 2234651
 Ion Ratio Lower Upper
 101 100
 151 70.3 56.8 85.2

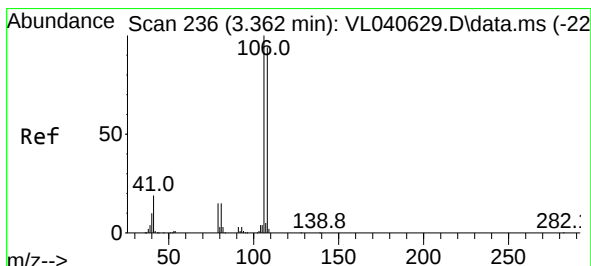
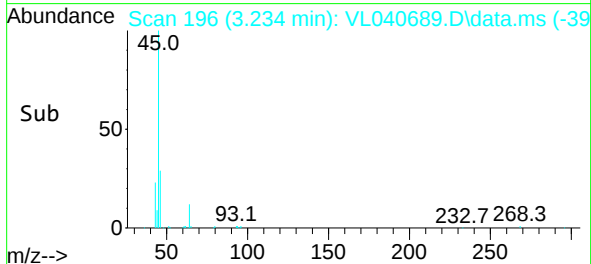
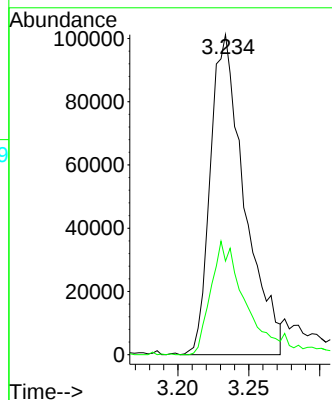
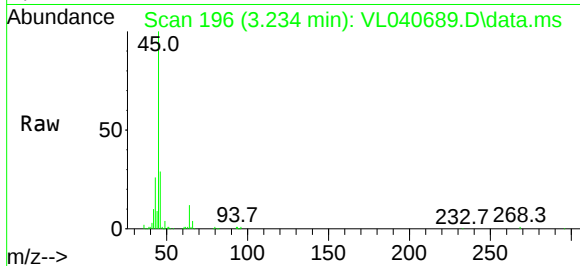




#13
Ethanol
Concen: 10.470 ppbv
RT: 3.234 min Scan# 198
Delta R.T. 0.006 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

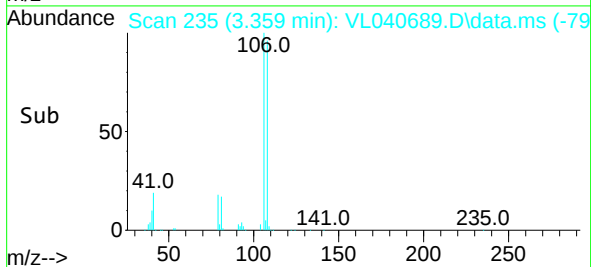
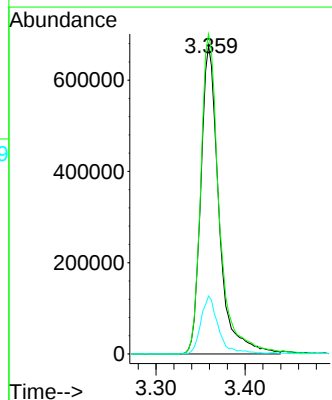
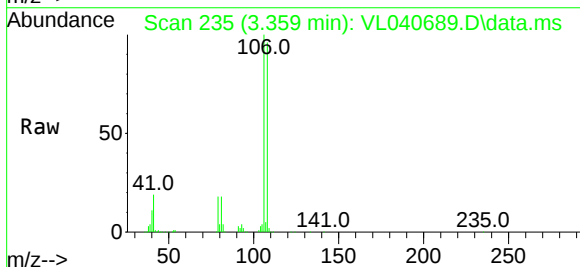
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

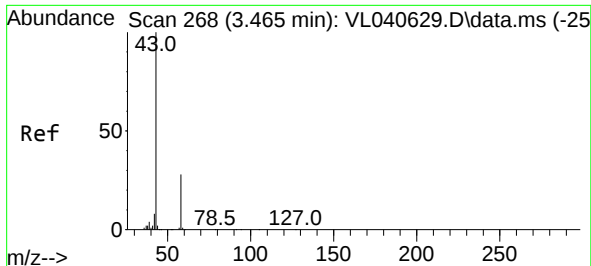
Tgt Ion: 45 Resp: 170135
Ion Ratio Lower Upper
45 100
46 38.7 15.2 61.0



#14
Bromoethene
Concen: 14.070 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 108 Resp: 956533
Ion Ratio Lower Upper
108 100
106 106.9 86.0 129.0
79 18.5 15.6 23.4

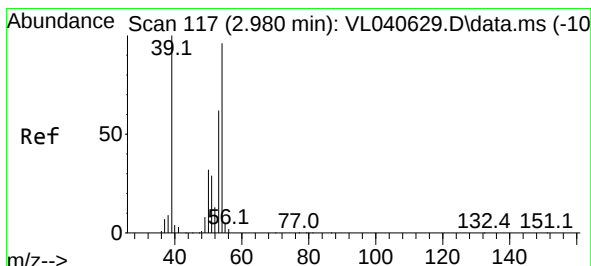
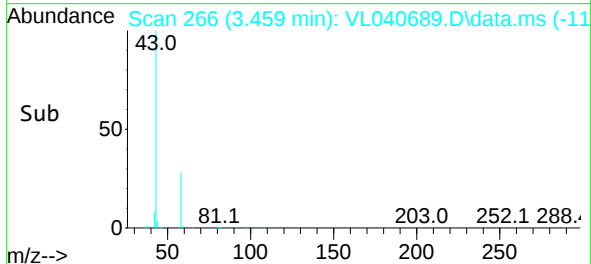
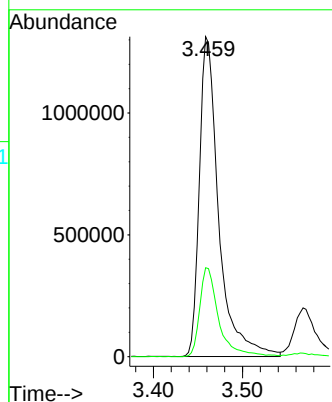
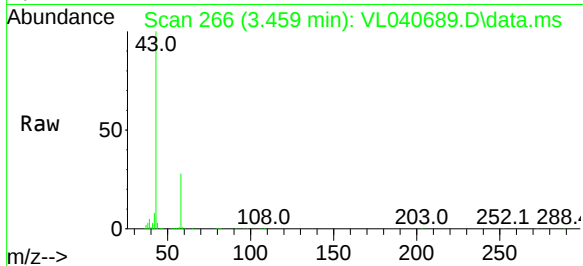




#15
Acetone
Concen: 12.858 ppbv
RT: 3.459 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

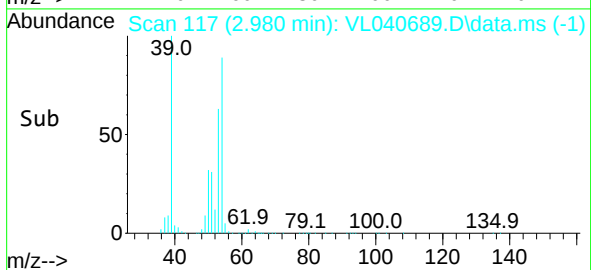
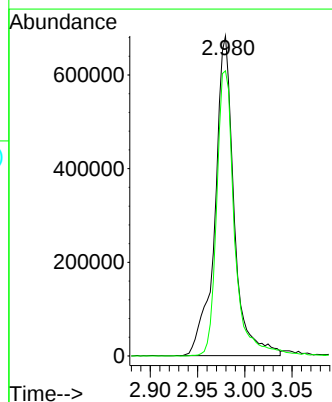
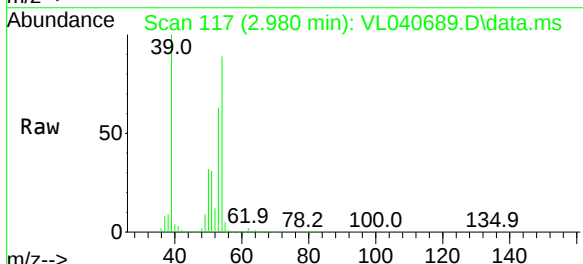
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

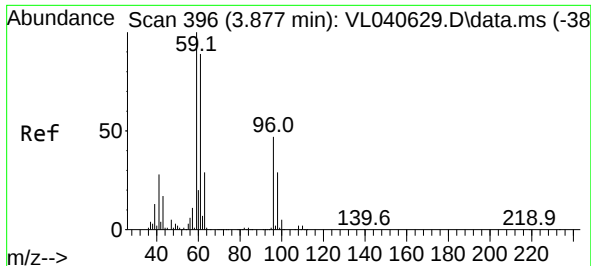
Tgt Ion: 43 Resp: 1984099
Ion Ratio Lower Upper
43 100
58 27.4 22.6 34.0



#16
1,3-Butadiene
Concen: 14.323 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.006 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 39 Resp: 963166
Ion Ratio Lower Upper
39 100
54 84.1 64.8 97.2





#17

tert-Butyl alcohol

Concen: 12.773 ppbv

RT: 3.870 min Scan# 396

Delta R.T. 0.003 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

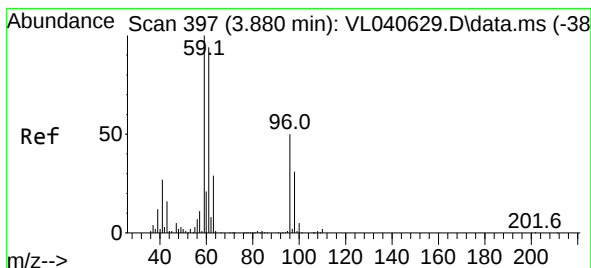
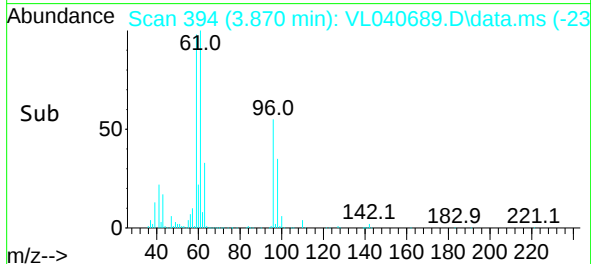
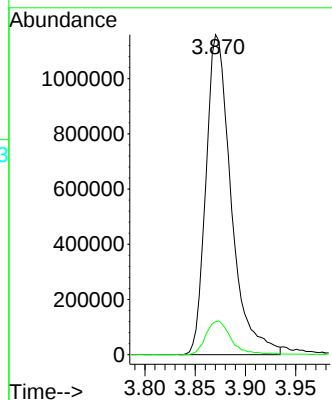
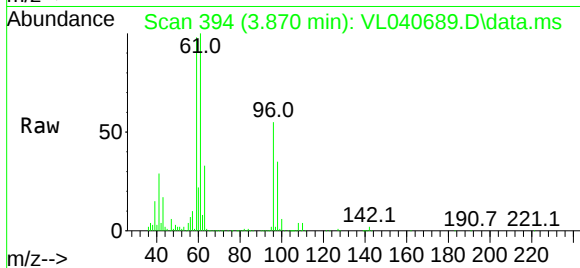
VSTDIC015

Tgt Ion: 59 Resp: 2018822

Ion Ratio Lower Upper

59 100

57 10.8 8.7 13.1



#18

1,1-Dichloroethene

Concen: 14.047 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.003 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

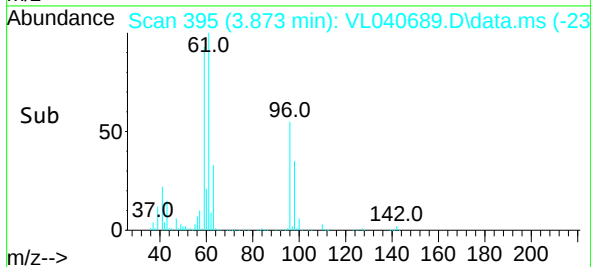
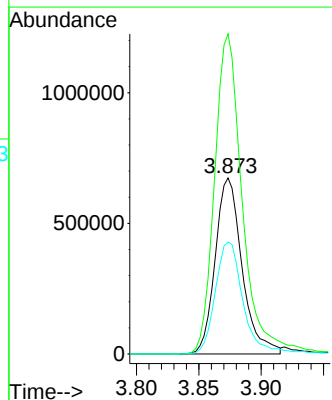
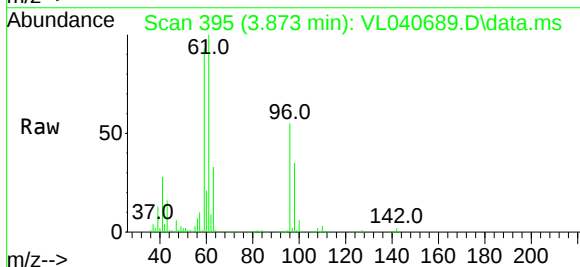
Tgt Ion: 96 Resp: 1011970

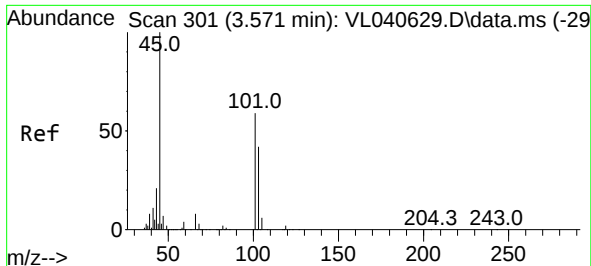
Ion Ratio Lower Upper

96 100

61 181.9 153.6 230.4

98 63.6 51.9 77.9





#19

Isopropyl Alcohol

Concen: 12.240 ppbv

RT: 3.568 min Scan# 301

Delta R.T. 0.003 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

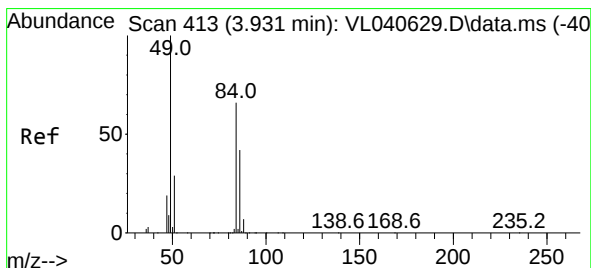
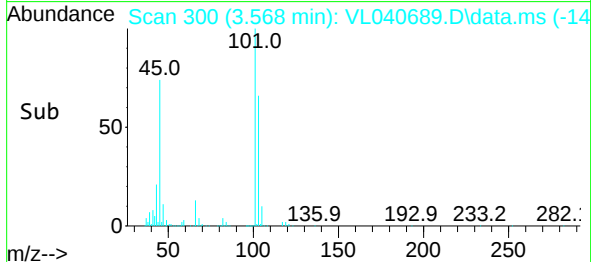
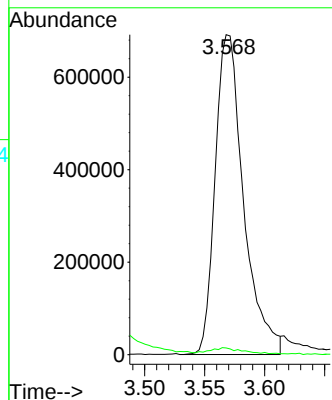
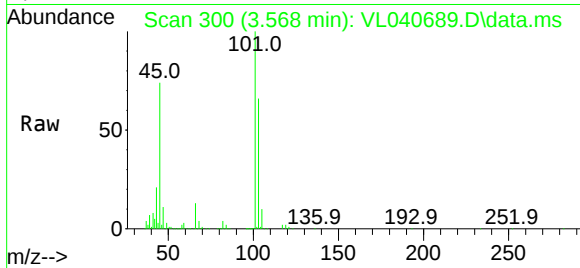
VSTDIC015

Tgt Ion: 45 Resp: 1138004

Ion Ratio Lower Upper

45 100

58 3.1 1.9 2.9#



#20

Methylene Chloride

Concen: 10.609 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.003 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Tgt Ion: 84 Resp: 881118

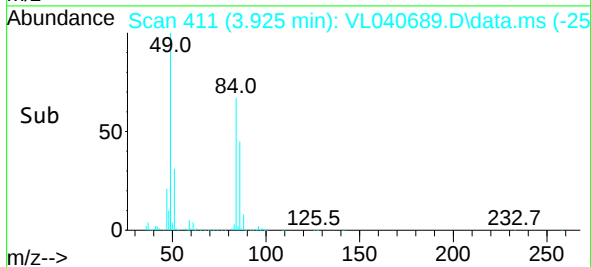
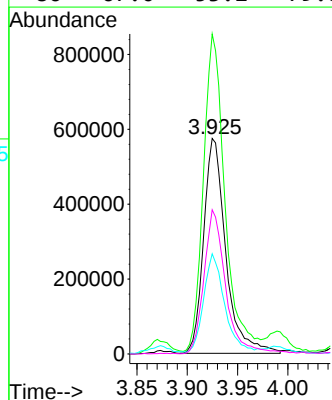
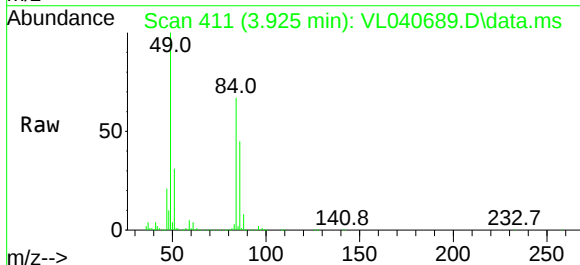
Ion Ratio Lower Upper

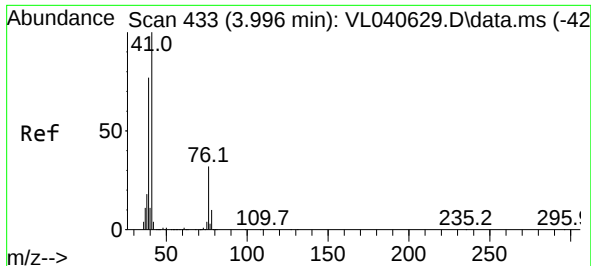
84 100

49 147.5 114.4 171.6

51 45.6 35.5 53.3

86 67.0 53.2 79.8





#21

Allyl Chloride

Concen: 14.320 ppbv

RT: 3.989 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

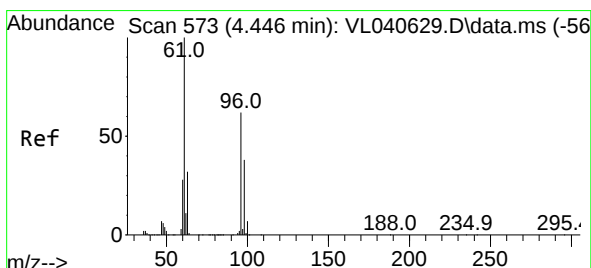
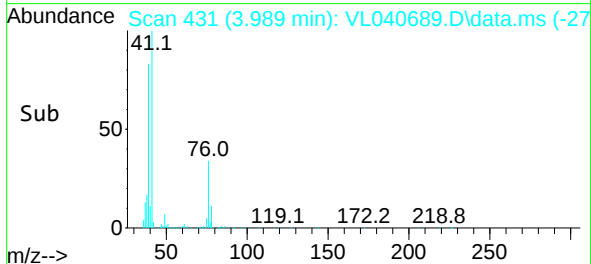
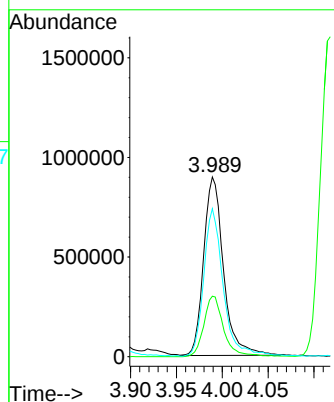
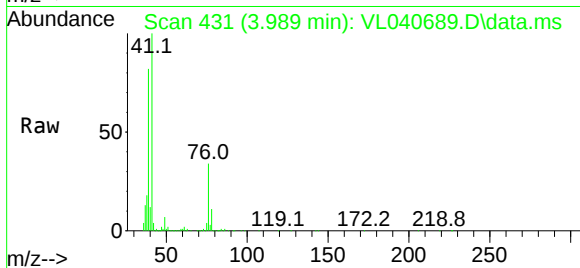
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 1354167

Ion	Ratio	Lower	Upper
41	100		
76	34.1	26.6	40.0
39	80.8	65.0	97.4



#22

trans-1,2-Dichloroethene

Concen: 14.716 ppbv

RT: 4.439 min Scan# 571

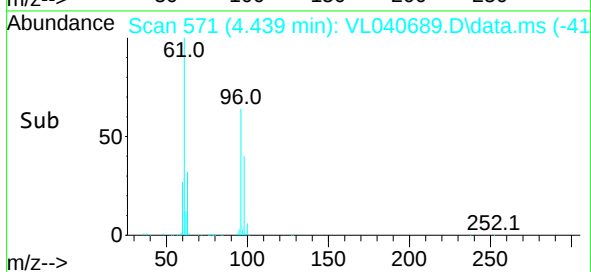
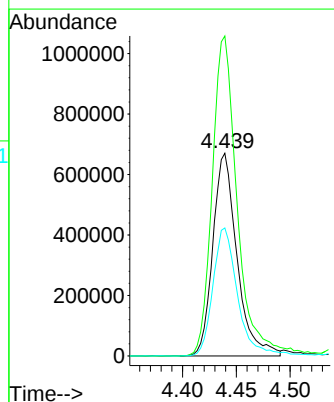
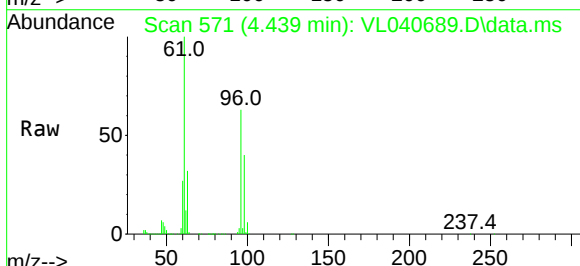
Delta R.T. 0.006 min

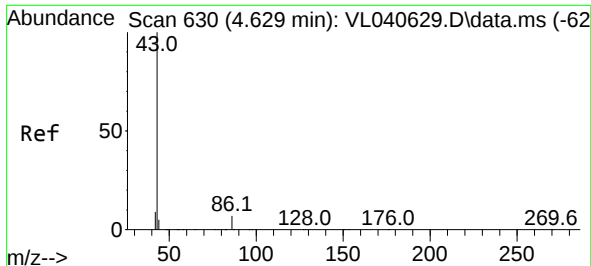
Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Tgt Ion: 96 Resp: 1048300

Ion	Ratio	Lower	Upper
96	100		
61	157.8	129.9	194.9
98	63.1	50.2	75.4



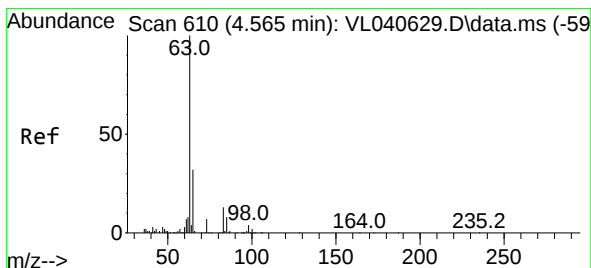
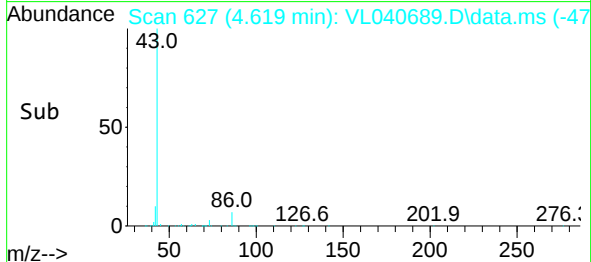
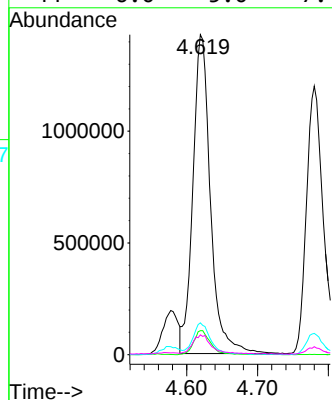
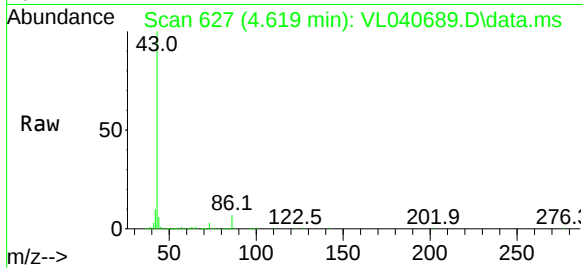


#23
 Vinyl Acetate
 Concen: 15.355 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 2450290

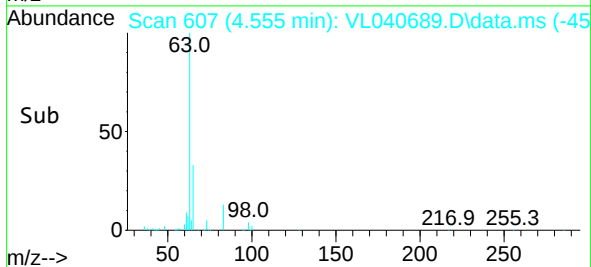
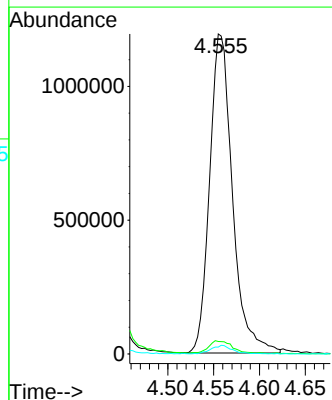
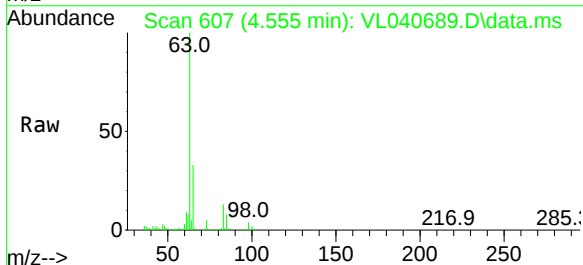
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.6	8.4
42	9.9	7.6	11.4
44	6.0	5.0	7.4

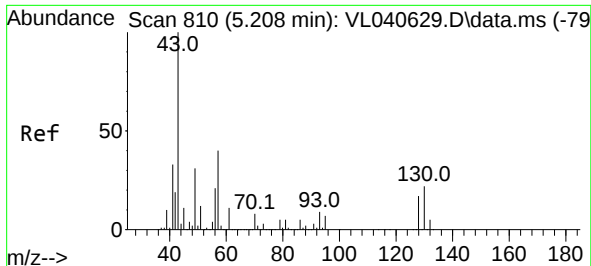


#24
 1,1-Dichloroethane
 Concen: 13.832 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. 0.003 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

Tgt Ion: 63 Resp: 2065625

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.8	5.5
100	2.2	1.2	3.6





#25

Ethyl Acetate

Concen: 13.918 ppbv

RT: 5.198 min Scan# 809

Delta R.T. 0.003 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 3463673

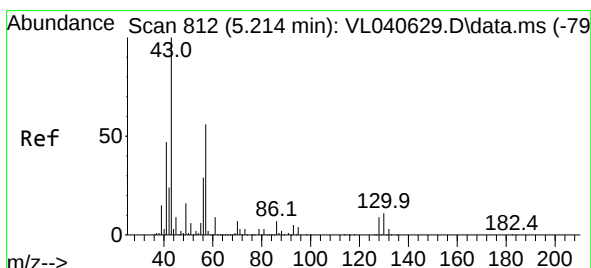
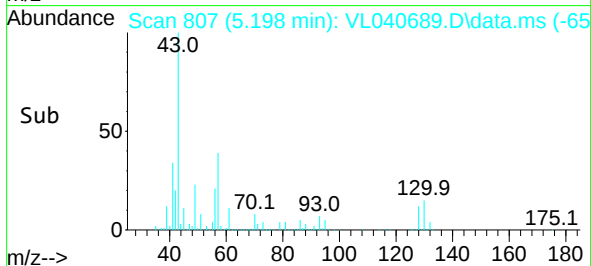
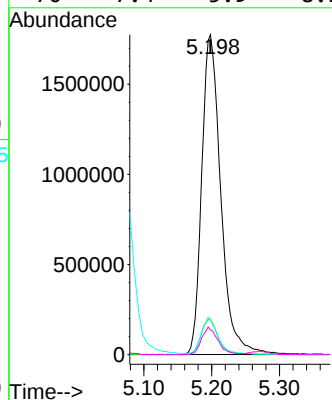
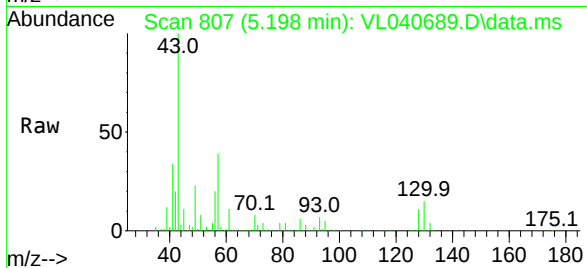
Ion Ratio Lower Upper

43 100

45 10.2 8.2 12.4

61 10.8 8.2 12.4

70 7.4 5.9 8.9



#26

Hexane

Concen: 12.779 ppbv

RT: 5.205 min Scan# 809

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Tgt Ion: 57 Resp: 1503761

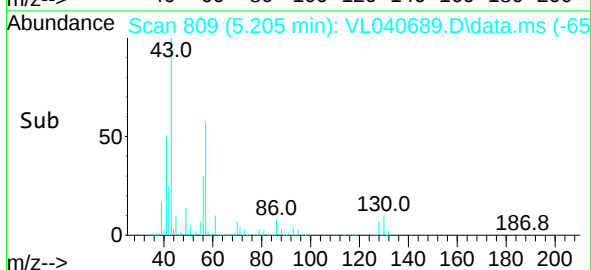
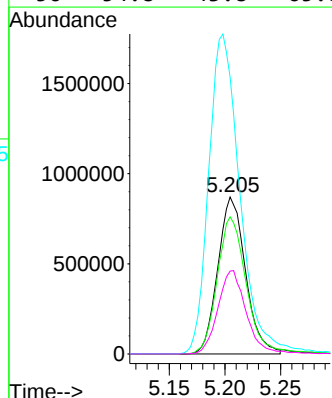
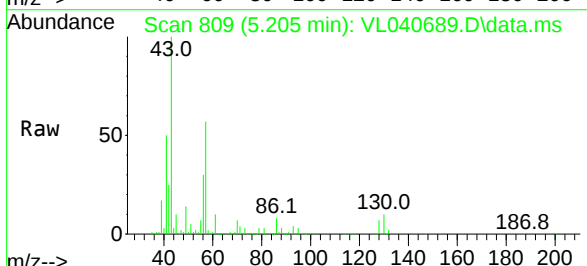
Ion Ratio Lower Upper

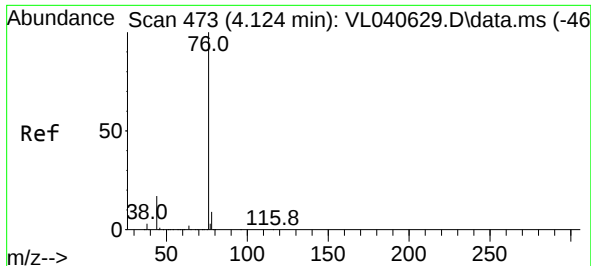
57 100

41 93.1 75.2 112.8

43 231.4 185.6 278.4

56 54.8 43.8 65.8

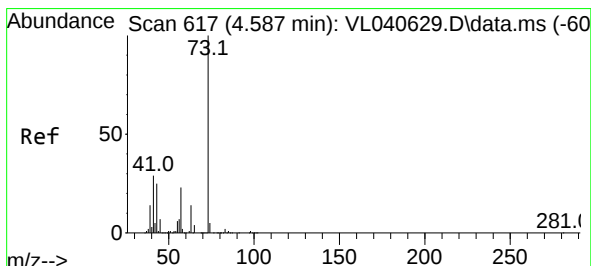
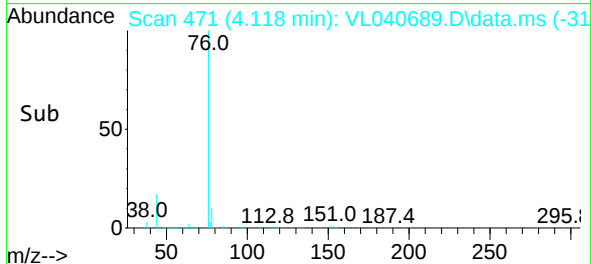
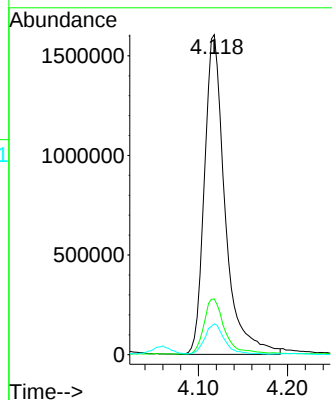
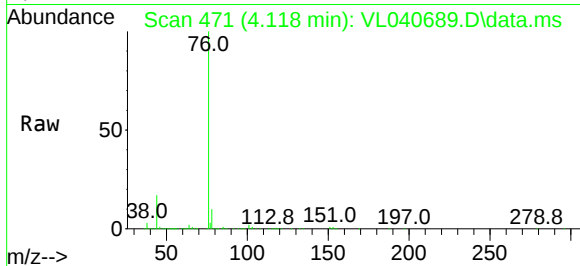




#27
Carbon Disulfide
Concen: 15.767 ppbv
RT: 4.118 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

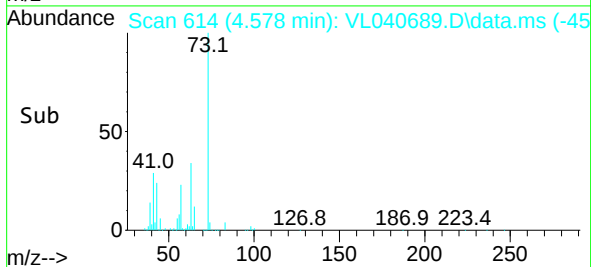
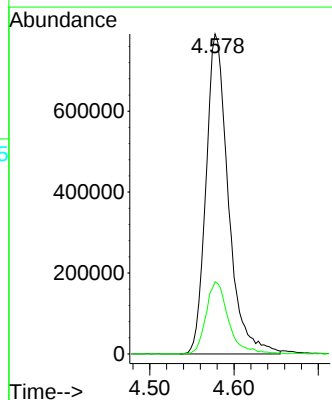
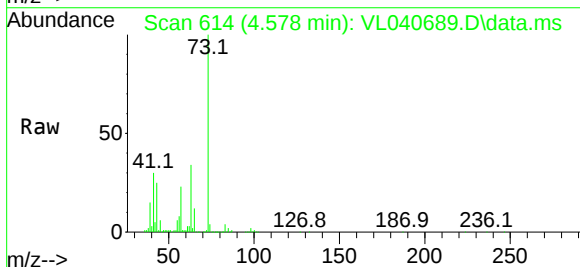
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

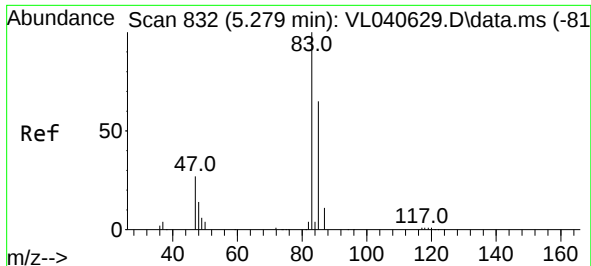
Tgt Ion: 76 Resp: 2587345
Ion Ratio Lower Upper
76 100
44 17.6 14.5 21.7
78 9.5 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 14.387 ppbv
RT: 4.578 min Scan# 614
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 73 Resp: 1456582
Ion Ratio Lower Upper
73 100
57 23.0 18.8 28.2





#29

Chloroform

Concen: 13.646 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

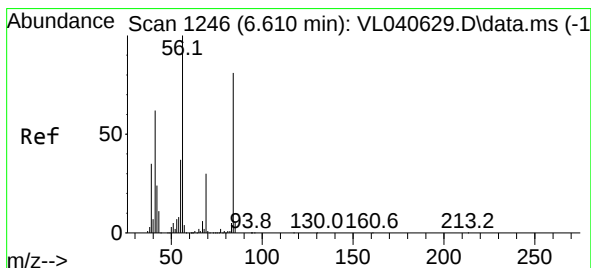
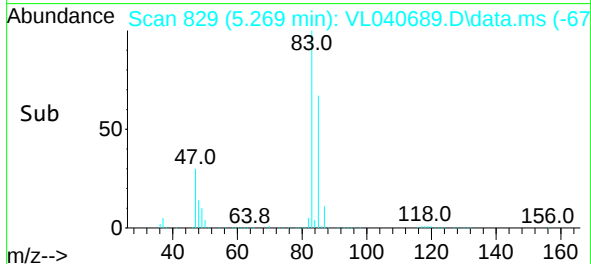
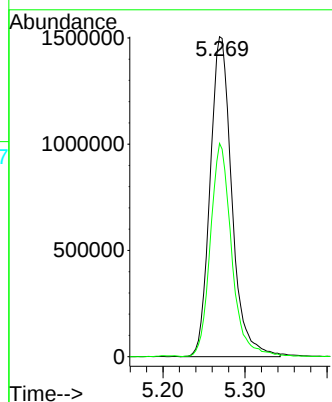
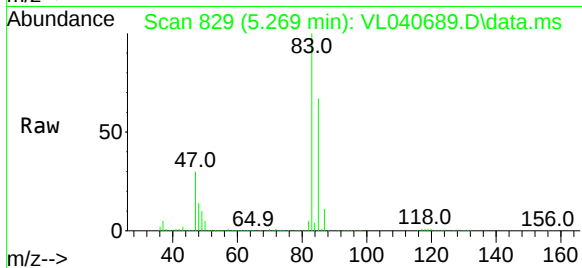
VSTDIC015

Tgt Ion: 83 Resp: 2772614

Ion Ratio Lower Upper

83 100

85 66.5 51.8 77.8



#30

Cyclohexane

Concen: 14.860 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. 0.003 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

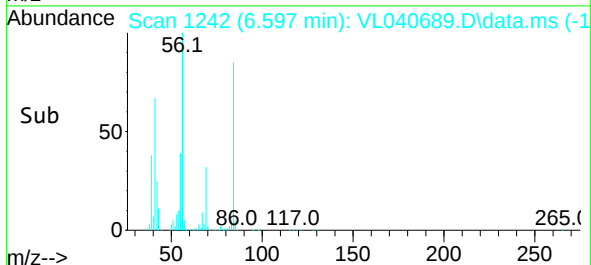
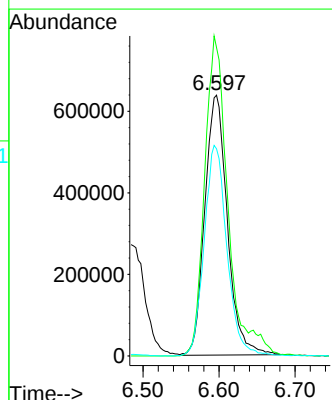
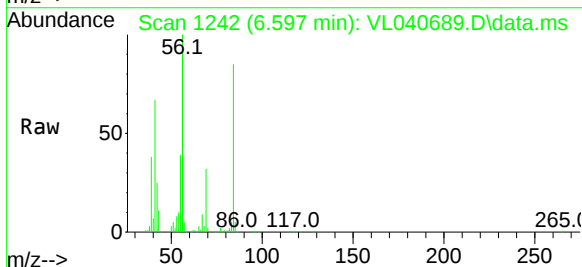
Tgt Ion: 84 Resp: 1316838

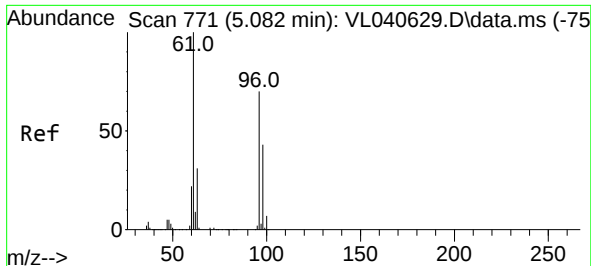
Ion Ratio Lower Upper

84 100

56 126.9 103.2 154.8

41 81.9 65.5 98.3



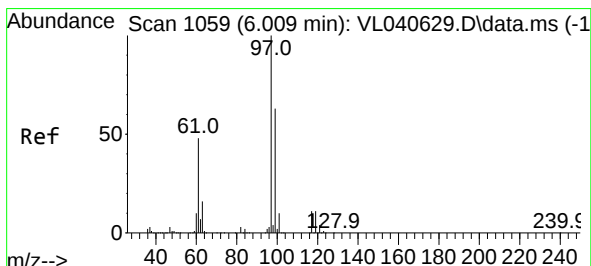
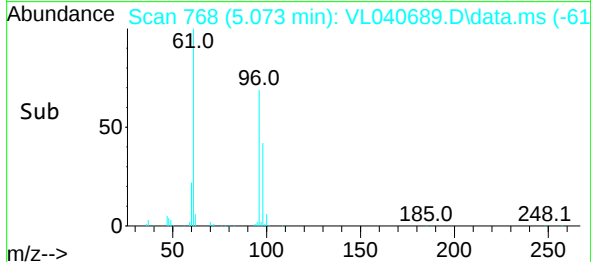
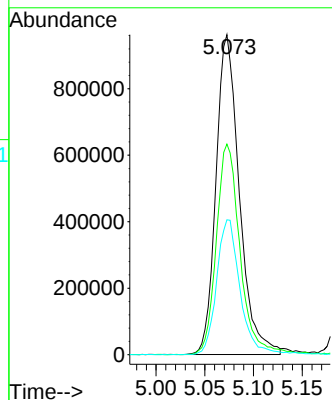
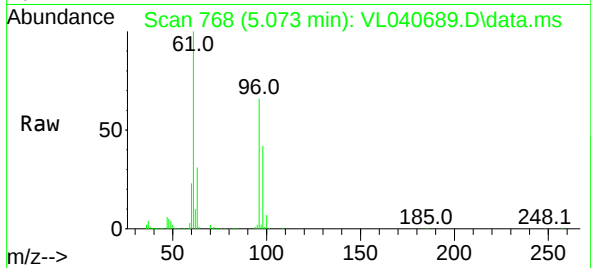


#31
 cis-1,2-Dichloroethene
 Concen: 14.708 ppbv
 RT: 5.073 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 61 Resp: 1605779

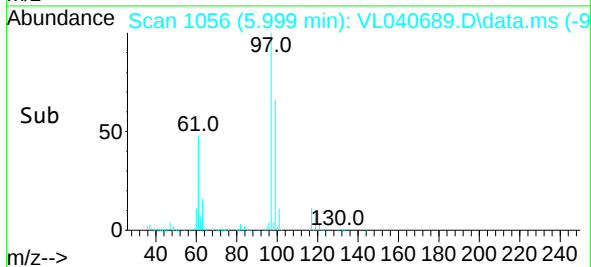
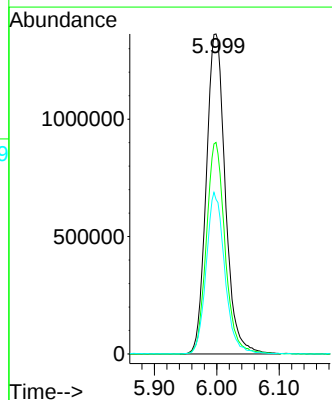
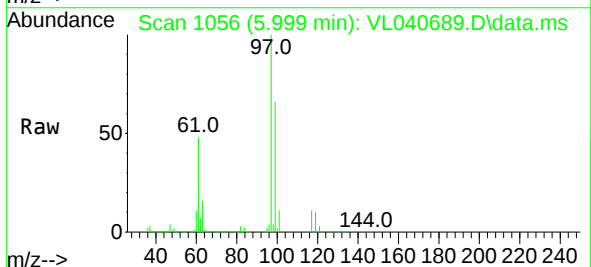
Ion	Ratio	Lower	Upper
61	100		
96	65.8	51.2	76.8
98	42.1	32.3	48.5



#32
 1,1,1-Trichloroethane
 Concen: 13.939 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. 0.003 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

Tgt Ion: 97 Resp: 2895294

Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.4	78.6
61	49.4	40.2	60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

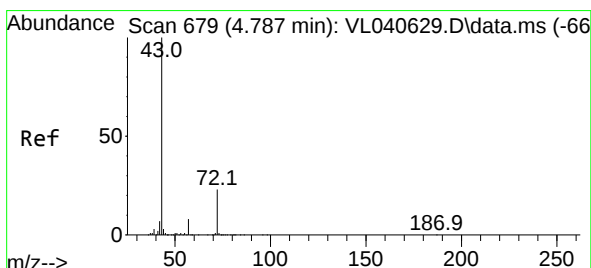
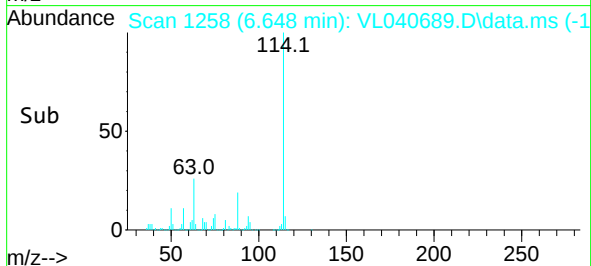
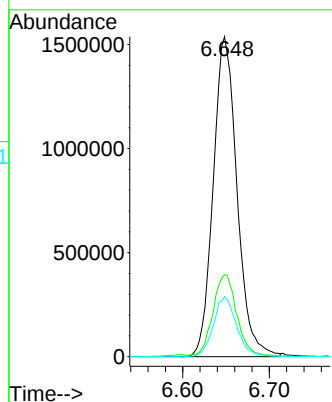
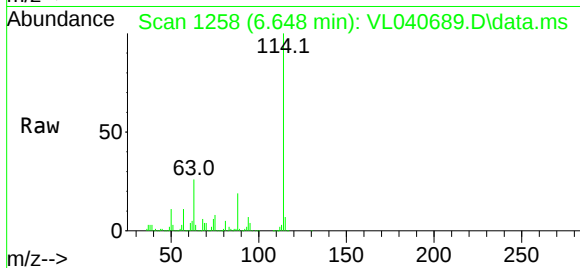
Tgt Ion:114 Resp: 2933279

Ion Ratio Lower Upper

114 100

63 26.6 21.1 31.7

88 18.4 14.5 21.7



#34

2-Butanone

Concen: 13.870 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.003 min

Lab File: VL040689.D

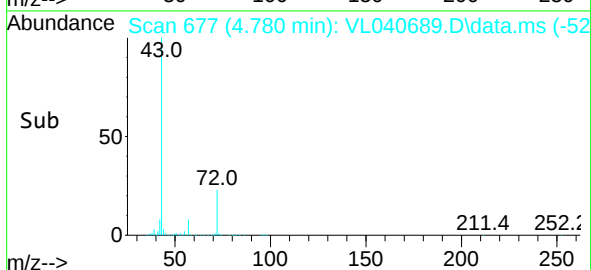
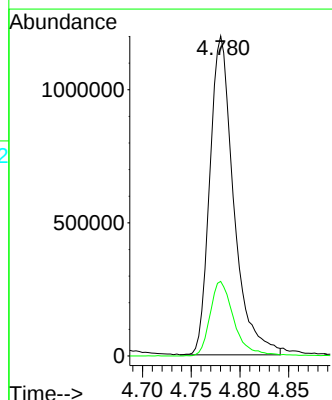
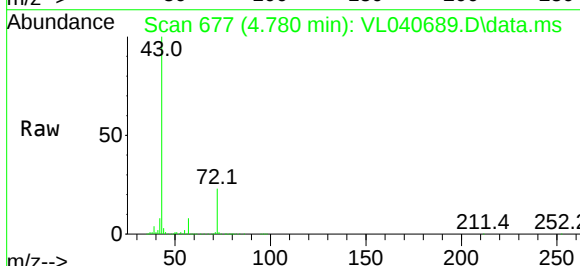
Acq: 14 Sep 2023 17:45

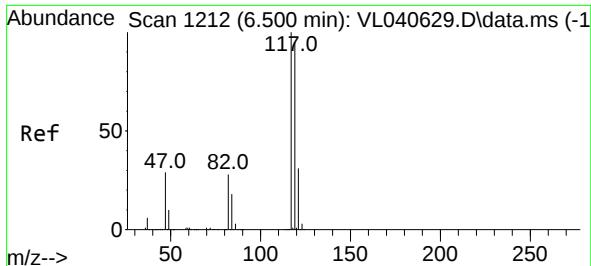
Tgt Ion: 43 Resp: 2046044

Ion Ratio Lower Upper

43 100

72 23.7 18.6 27.8

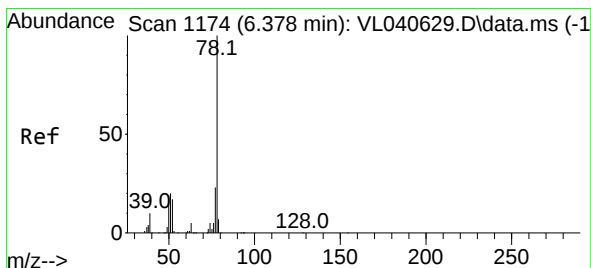
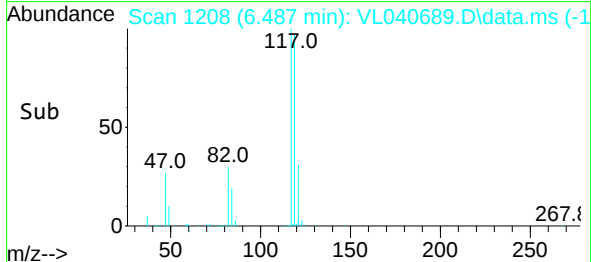
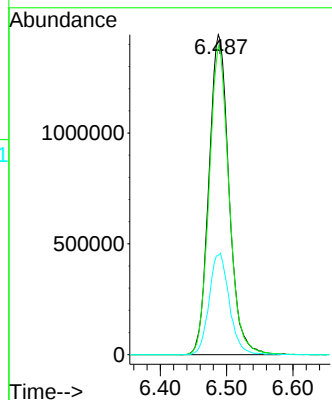
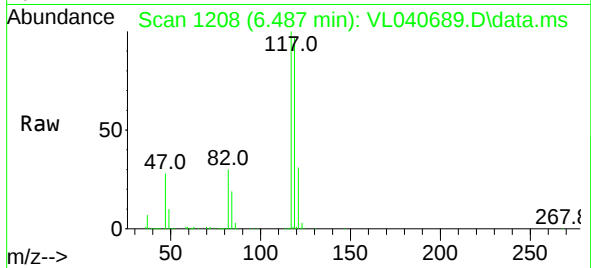




#35
Carbon Tetrachloride
Concen: 15.067 ppbv
RT: 6.487 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

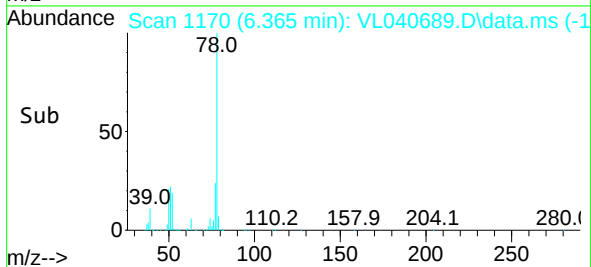
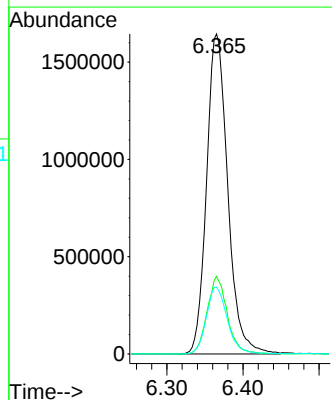
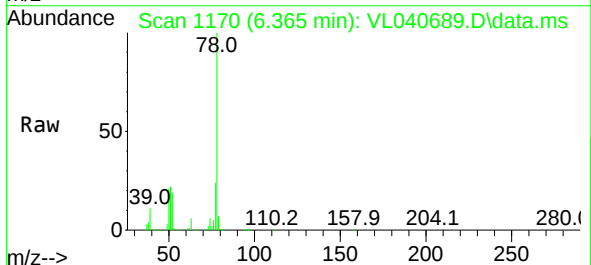
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

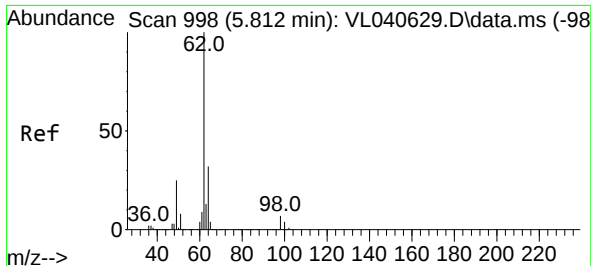
Tgt Ion:117 Resp: 3034707
Ion Ratio Lower Upper
117 100
119 96.6 78.6 117.8
121 31.1 24.7 37.1



#36
Benzene
Concen: 14.672 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 78 Resp: 3186964
Ion Ratio Lower Upper
78 100
77 24.2 17.9 26.9
50 20.9 17.3 25.9

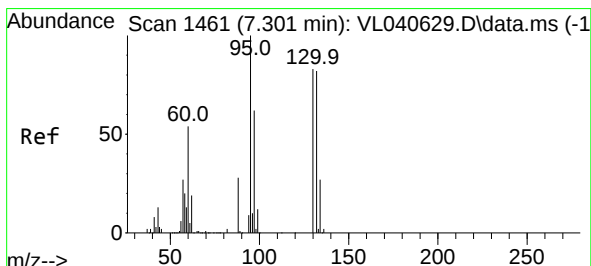
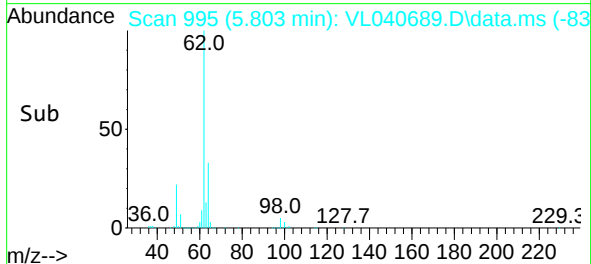
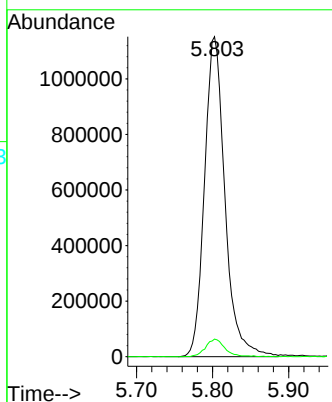
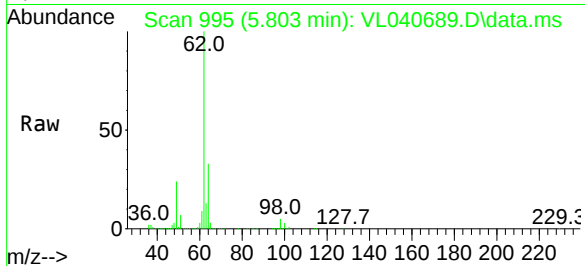




#37
1,2-Dichloroethane
Concen: 14.463 ppbv
RT: 5.803 min Scan# 998
Delta R.T. 0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

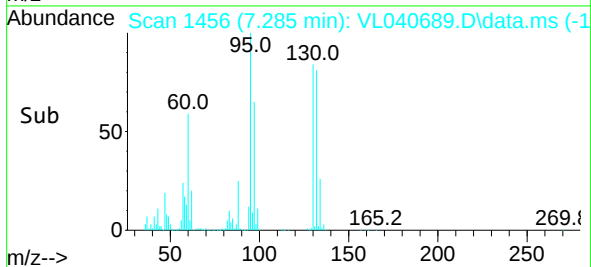
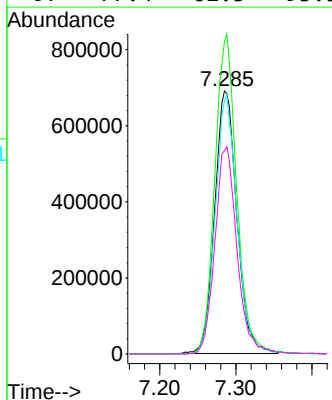
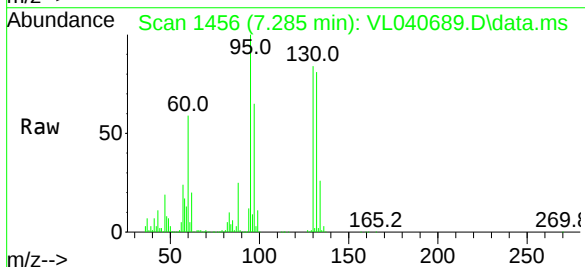
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

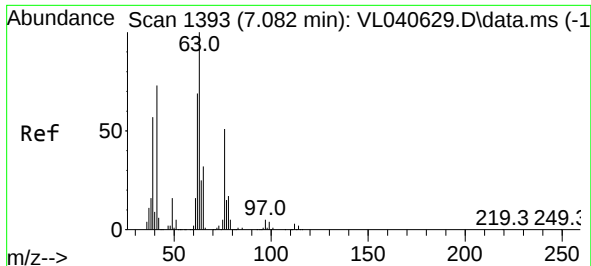
Tgt Ion: 62 Resp: 2150066
Ion Ratio Lower Upper
62 100
98 5.2 4.2 6.4



#38
Trichloroethene
Concen: 16.868 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion:130 Resp: 1397248
Ion Ratio Lower Upper
130 100
95 118.9 91.9 137.9
132 96.4 77.3 115.9
97 77.4 62.3 93.5





#39

1,2-Dichloropropane

Concen: 14.615 ppbv

RT: 7.069 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

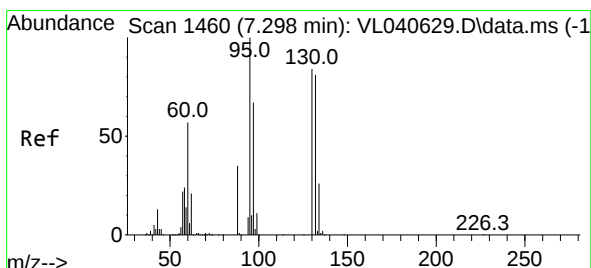
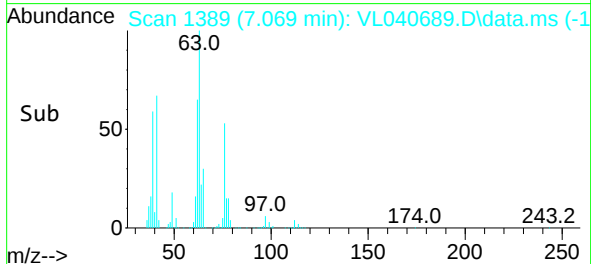
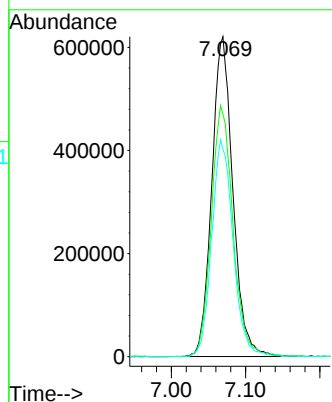
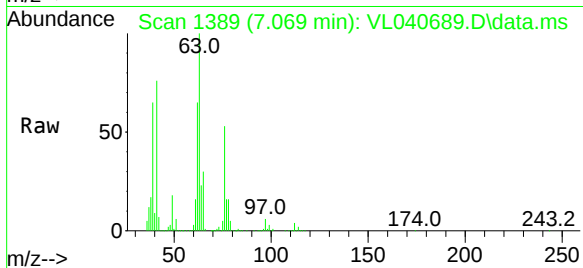
Tgt Ion: 63 Resp: 1221925

Ion Ratio Lower Upper

63 100

41 75.8 61.6 92.4

62 64.8 55.8 83.8



#40

1,4-Dioxane

Concen: 15.081 ppbv

RT: 7.278 min Scan# 1454

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Tgt Ion: 88 Resp: 476675

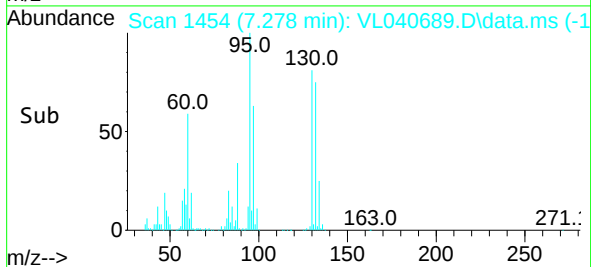
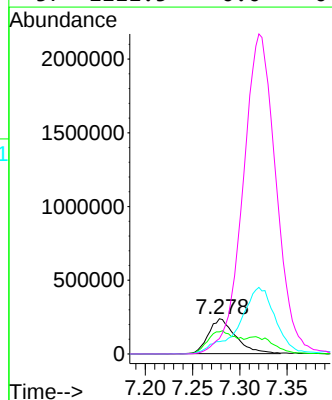
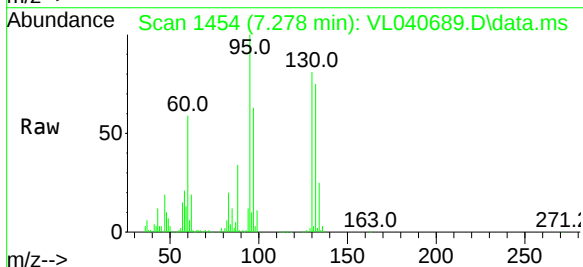
Ion Ratio Lower Upper

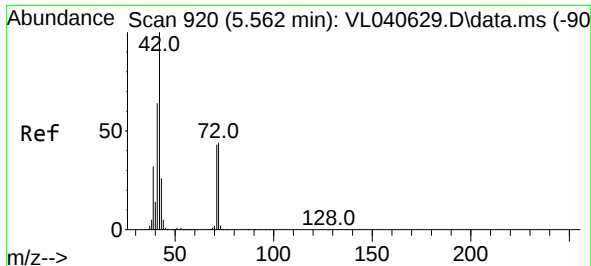
88 100

58 121.4 92.7 139.1

43 253.5 0.0 0.0#

57 1111.5 0.0 0.0#

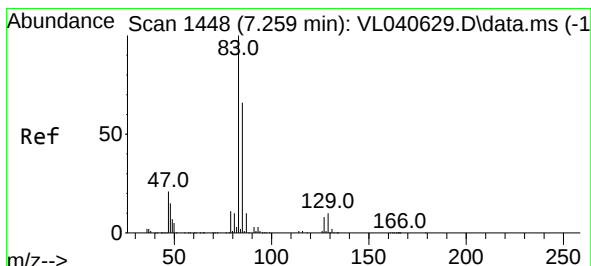
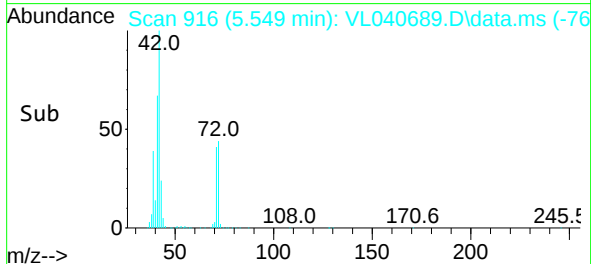
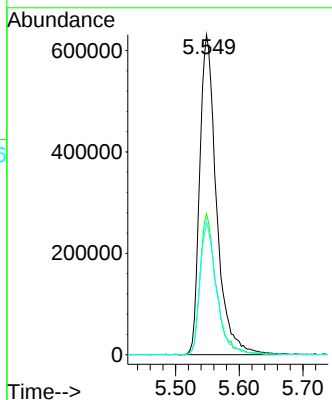
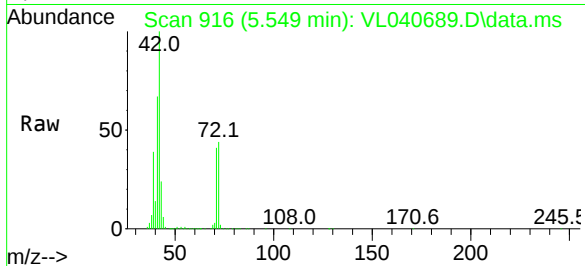




#41
Tetrahydrofuran
Concen: 15.284 ppbv
RT: 5.549 min Scan# 916
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

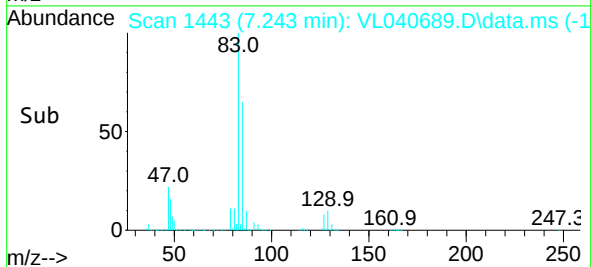
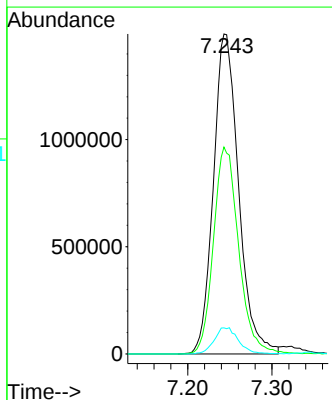
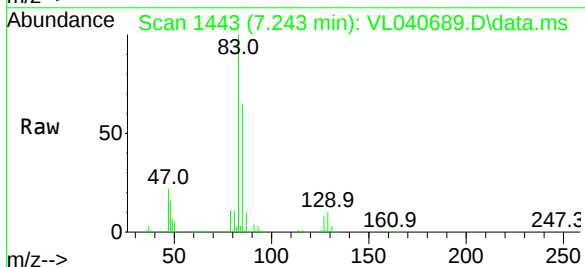
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

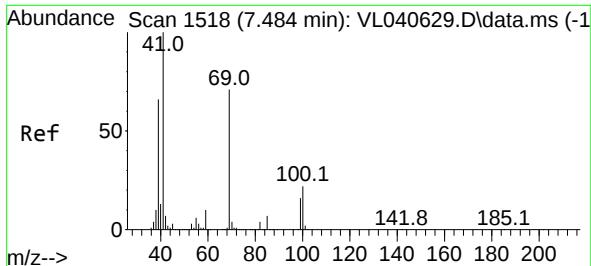
Tgt Ion: 42 Resp: 1156126
Ion Ratio Lower Upper
42 100
72 42.7 34.9 52.3
71 41.2 33.8 50.8



#42
Bromodichloromethane
Concen: 15.289 ppbv
RT: 7.243 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 83 Resp: 3101126
Ion Ratio Lower Upper
83 100
85 64.7 51.2 76.8
127 8.2 6.2 9.4





#43

Methyl Methacrylate

Concen: 16.949 ppbv

RT: 7.468 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

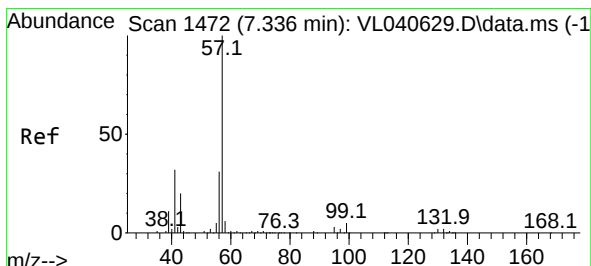
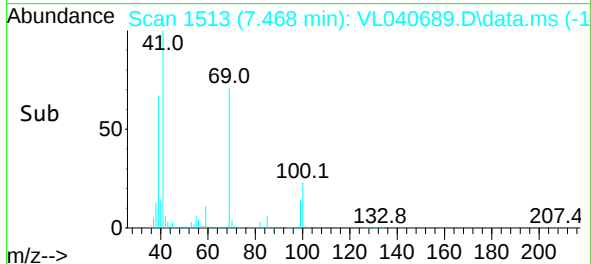
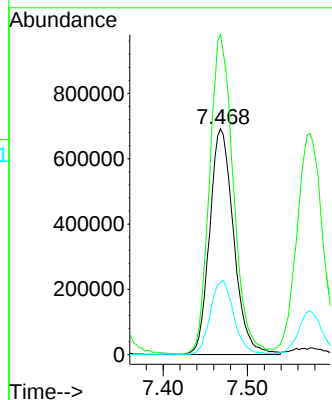
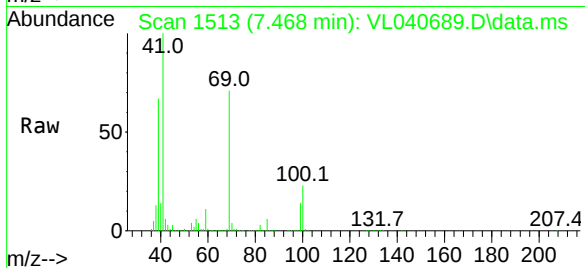
Tgt Ion: 69 Resp: 1368448

Ion Ratio Lower Upper

69 100

41 140.5 113.8 170.8

100 32.5 25.4 38.0



#44

2,2,4-Trimethylpentane

Concen: 15.321 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

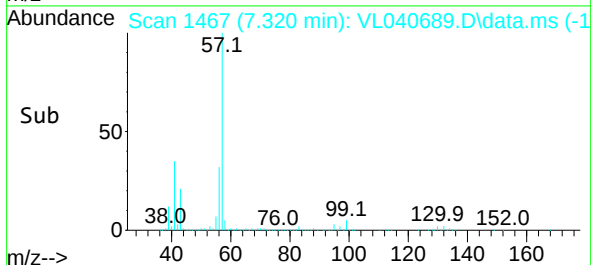
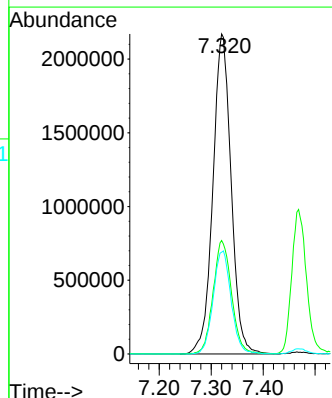
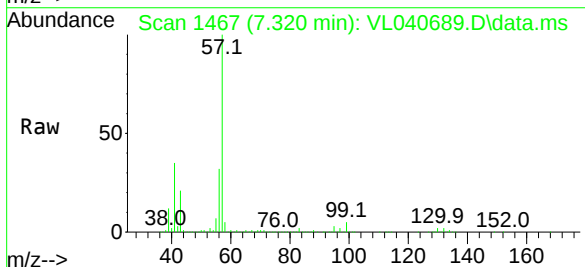
Tgt Ion: 57 Resp: 5298691

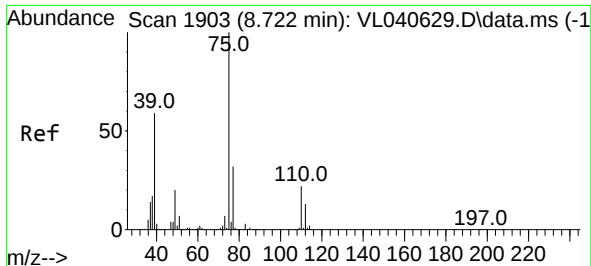
Ion Ratio Lower Upper

57 100

41 35.8 28.5 42.7

56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 19.729 ppbv

RT: 8.703 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

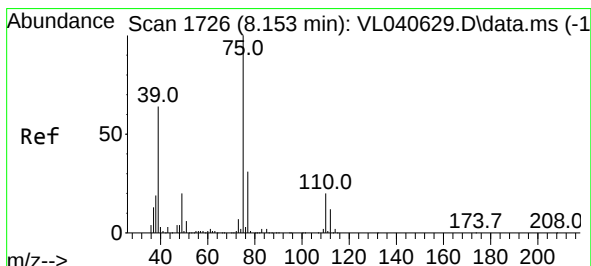
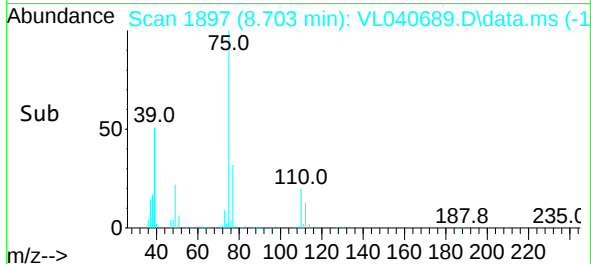
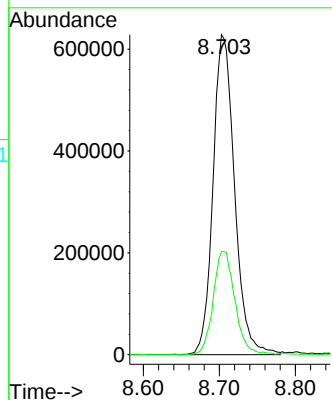
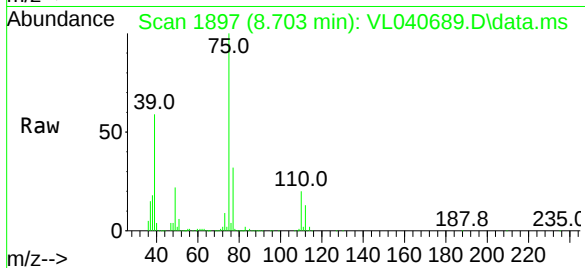
VSTDIC015

Tgt Ion: 75 Resp: 1235142

Ion Ratio Lower Upper

75 100

77 32.2 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 18.032 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

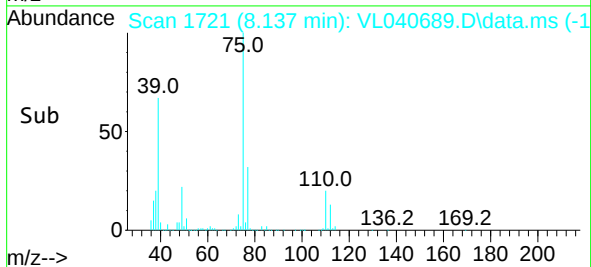
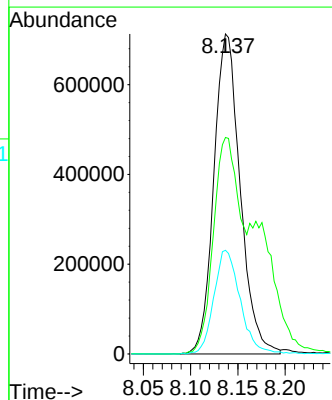
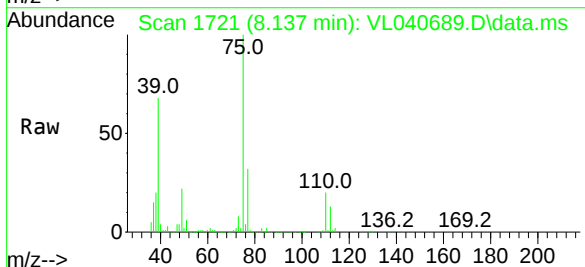
Tgt Ion: 75 Resp: 1381222

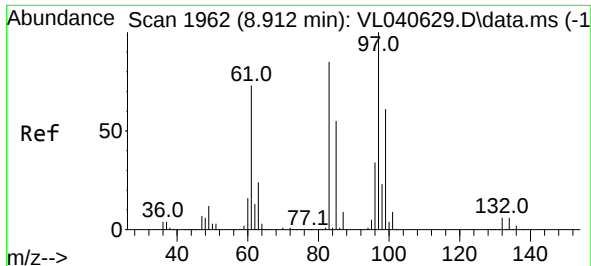
Ion Ratio Lower Upper

75 100

39 67.6 54.0 81.0

77 32.4 23.6 35.4



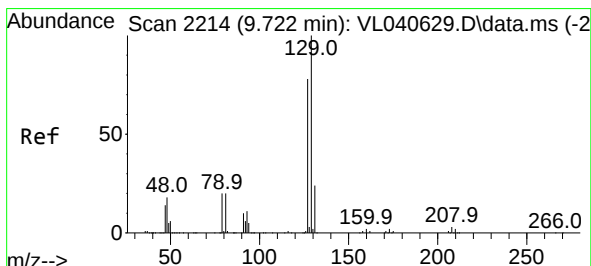
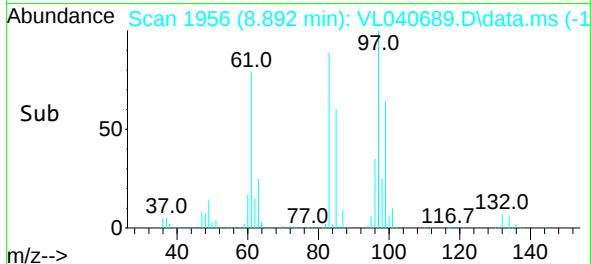
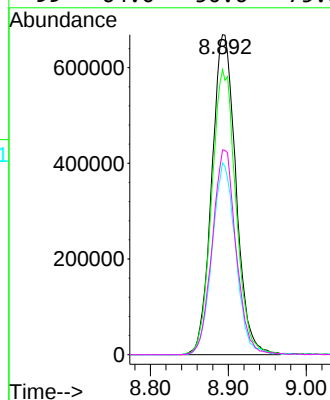
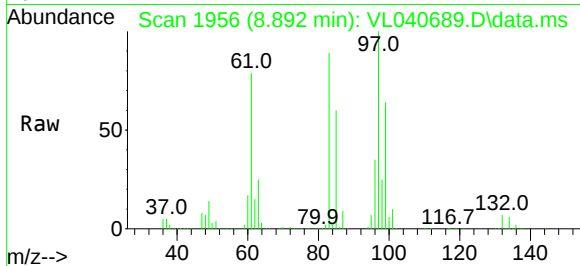


#47
1,1,2-Trichloroethane
Concen: 14.998 ppbv
RT: 8.892 min Scan# 1962
Delta R.T. -0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 97 Resp: 1439063

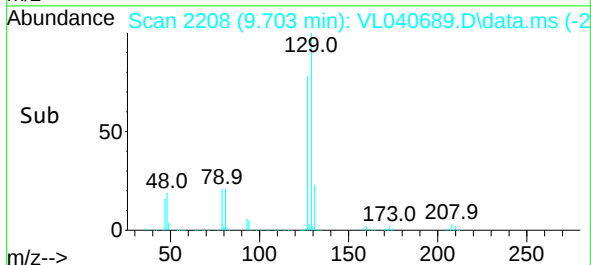
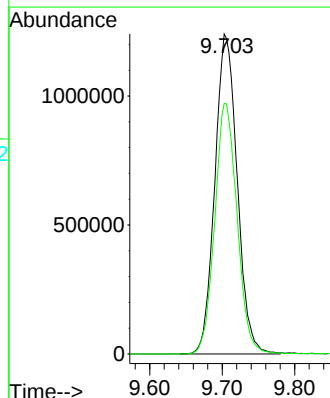
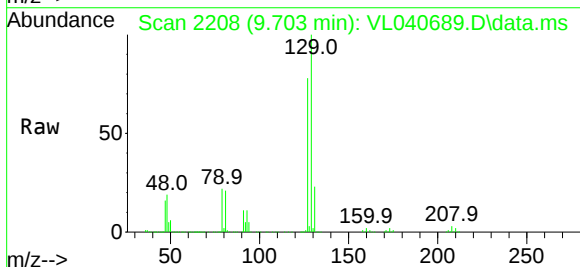
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.8	106.2
85	59.9	45.7	68.5
99	64.0	50.6	75.8

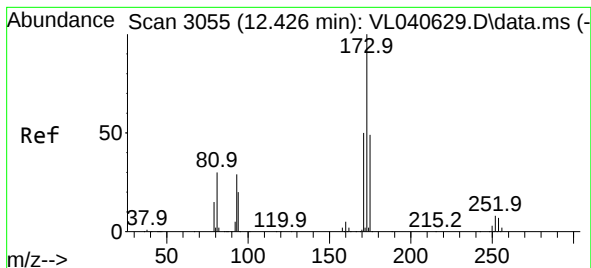


#48
Dibromochloromethane
Concen: 16.783 ppbv
RT: 9.703 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 129 Resp: 2656411

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.2





#49

Bromoform

Concen: 17.264 ppbv

RT: 12.404 min Scan# 3055

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

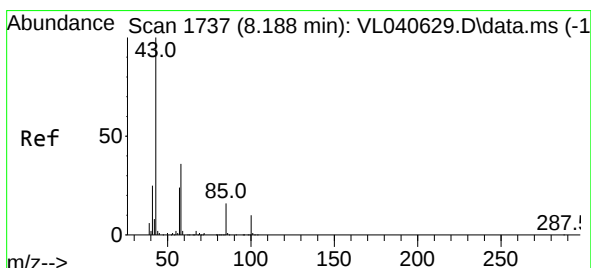
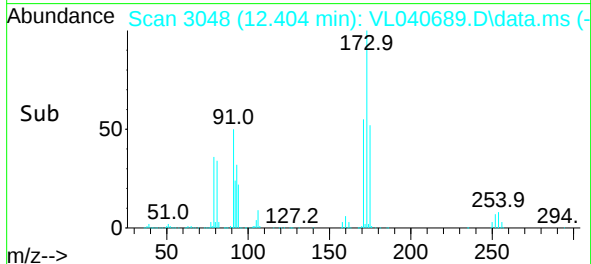
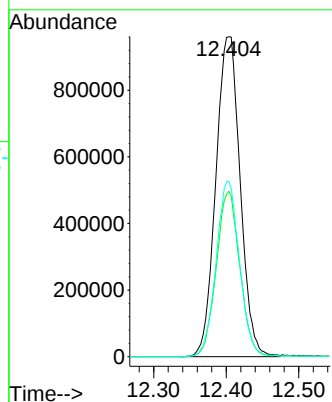
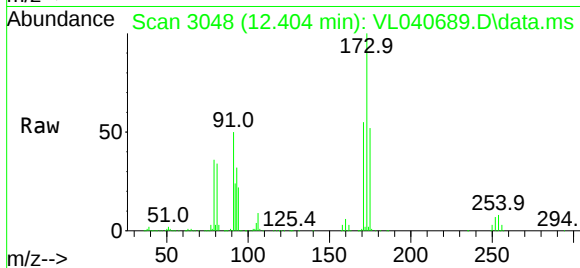
Tgt Ion:173 Resp: 2244229

Ion Ratio Lower Upper

173 100

175 50.1 38.8 58.2

171 52.9 42.2 63.2



#50

4-Methyl-2-Pentanone

Concen: 16.225 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. -0.000 min

Lab File: VL040689.D

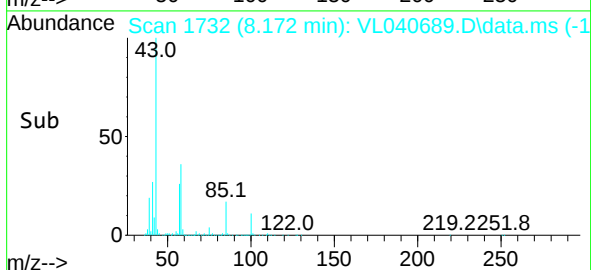
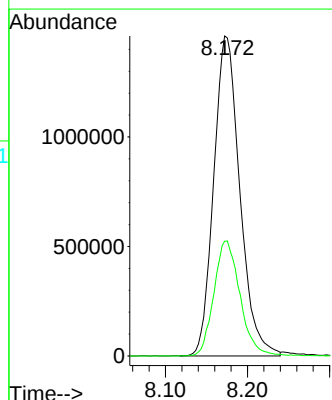
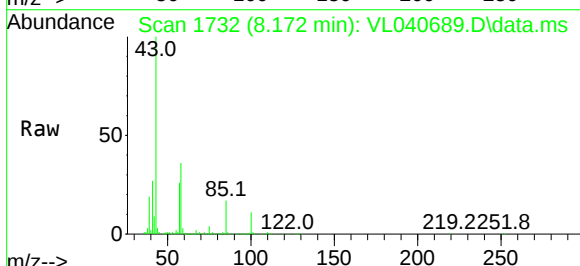
Acq: 14 Sep 2023 17:45

Tgt Ion: 43 Resp: 3234341

Ion Ratio Lower Upper

43 100

58 36.2 28.2 42.4

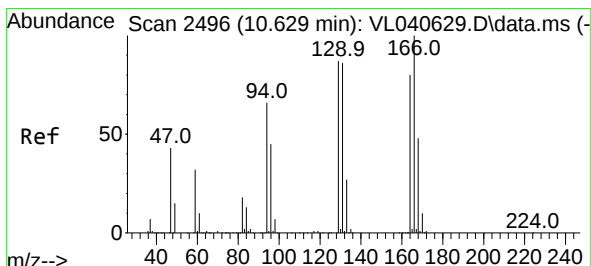
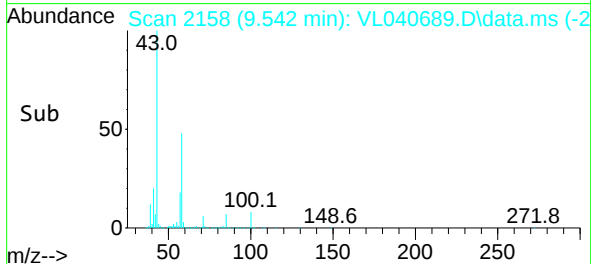
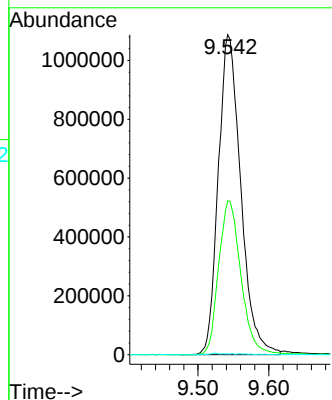
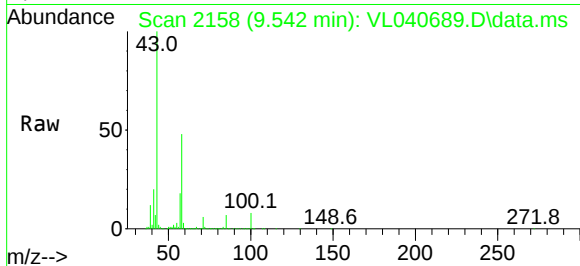




#51
2-Hexanone
Concen: 17.406 ppbv
RT: 9.542 min Scan# 2165
Delta R.T. -0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

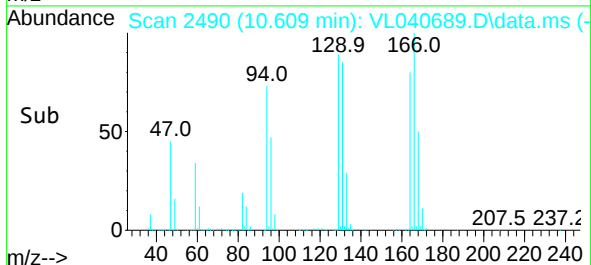
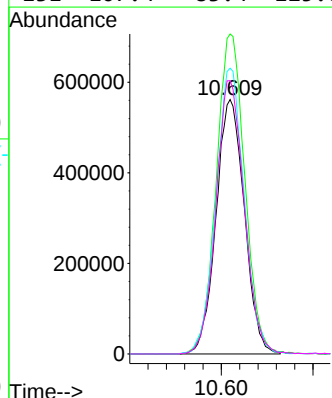
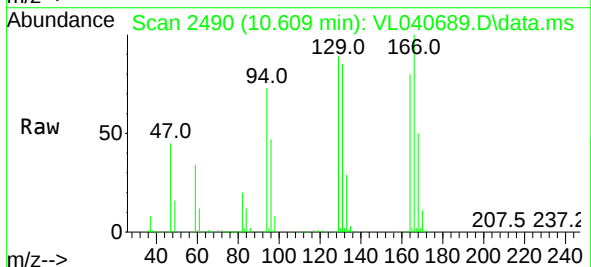
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

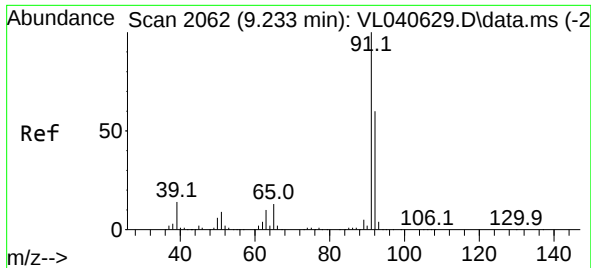
Tgt Ion: 43 Resp: 2394882
Ion Ratio Lower Upper
43 100
58 47.9 37.6 56.4
98 0.5 0.6 1.0#



#52
Tetrachloroethene
Concen: 16.999 ppbv
RT: 10.609 min Scan# 2490
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion:164 Resp: 1204487
Ion Ratio Lower Upper
164 100
166 125.7 103.4 155.2
129 112.1 83.5 125.3
131 107.4 83.4 125.0





#53

Toluene

Concen: 16.879 ppbv

RT: 9.217 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

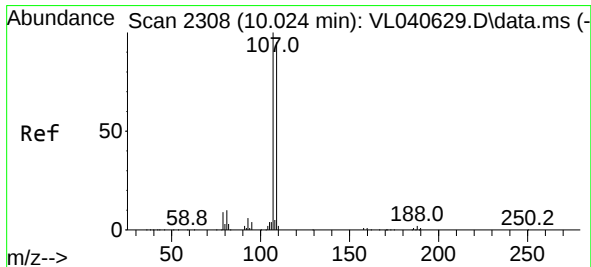
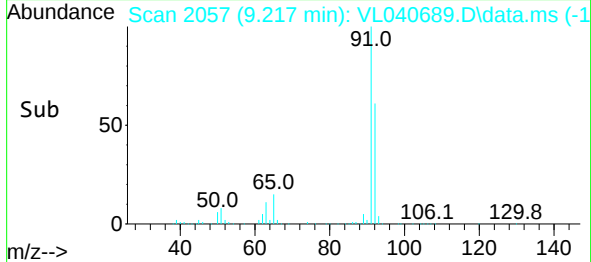
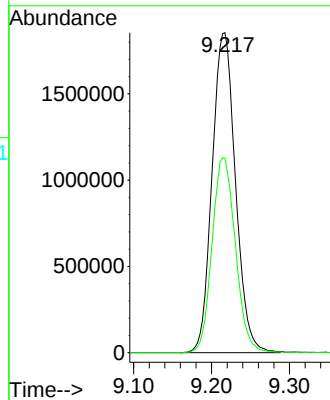
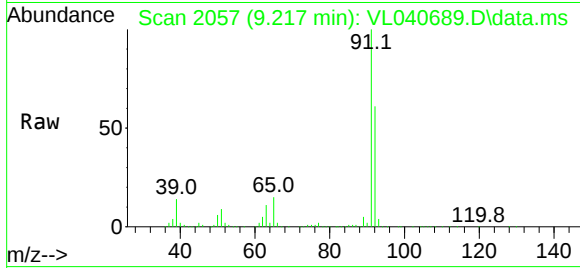
VSTDICC015

Tgt Ion: 91 Resp: 3870711

Ion Ratio Lower Upper

91 100

92 60.9 48.5 72.7



#54

1,2-Dibromoethane

Concen: 17.217 ppbv

RT: 10.002 min Scan# 2301

Delta R.T. -0.000 min

Lab File: VL040689.D

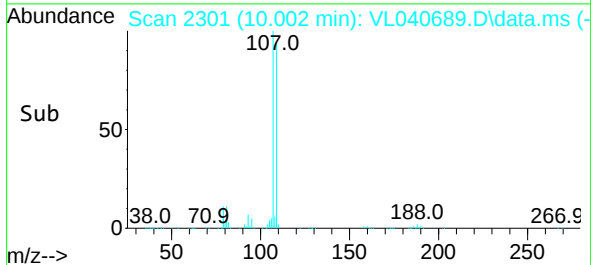
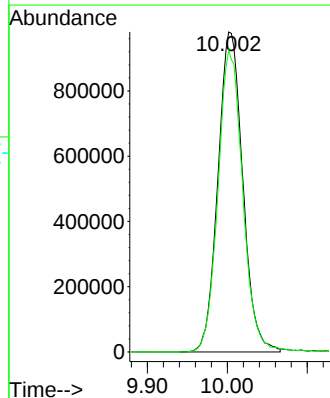
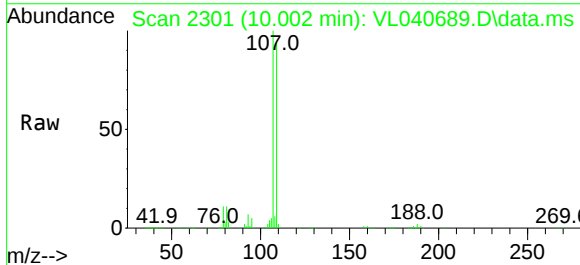
Acq: 14 Sep 2023 17:45

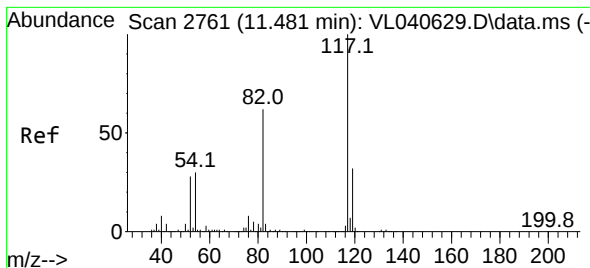
Tgt Ion: 107 Resp: 2108636

Ion Ratio Lower Upper

107 100

109 94.2 72.4 108.6

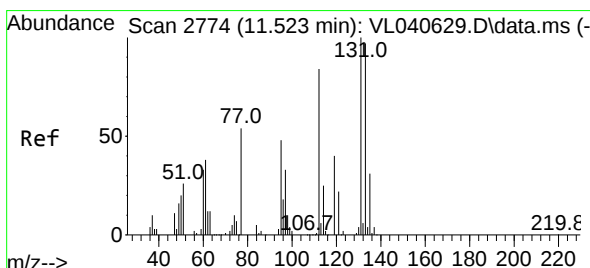
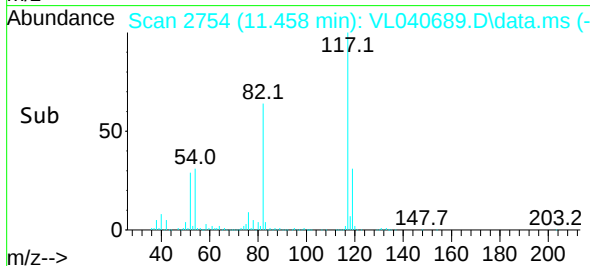
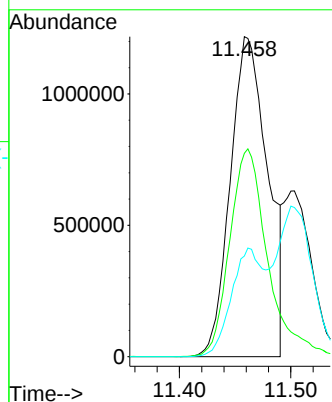
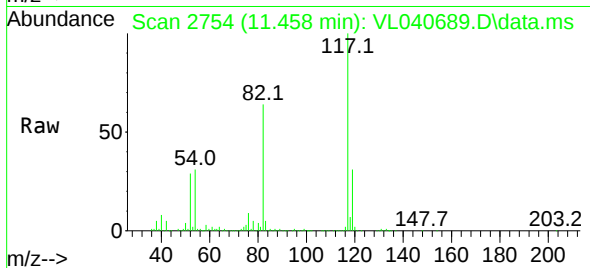




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

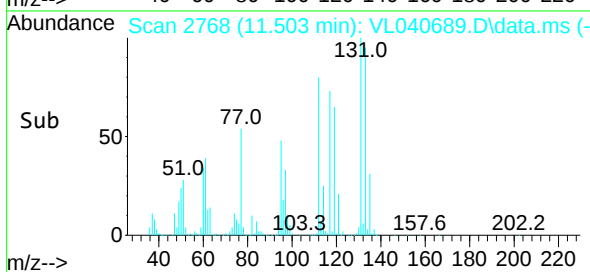
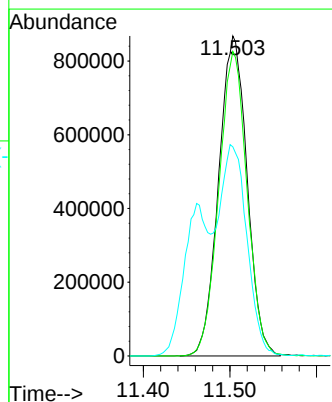
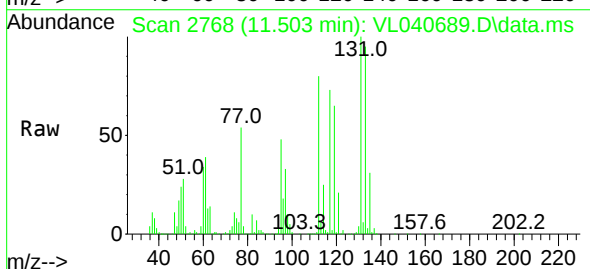
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

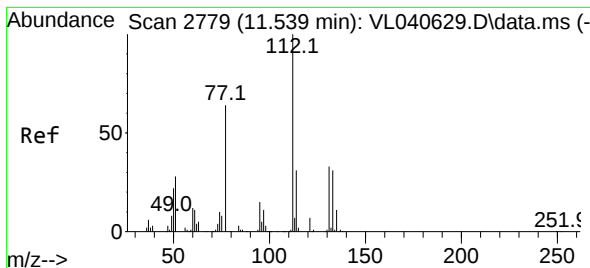
Tgt Ion:117 Resp: 2843892
Ion Ratio Lower Upper
117 100
82 66.0 51.4 77.0
119 0.0 24.7 37.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 14.575 ppbv
RT: 11.503 min Scan# 2768
Delta R.T. -0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion:131 Resp: 1975819
Ion Ratio Lower Upper
131 100
133 94.6 76.2 114.2
119 107.6 45.5 68.3#

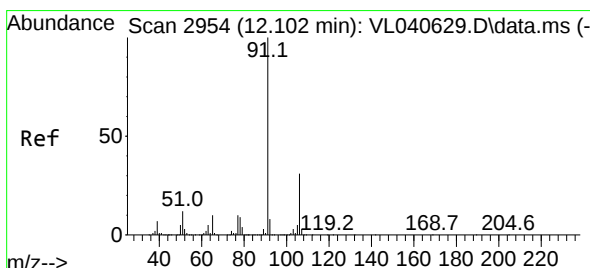
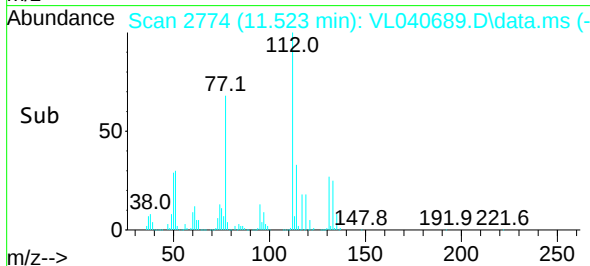
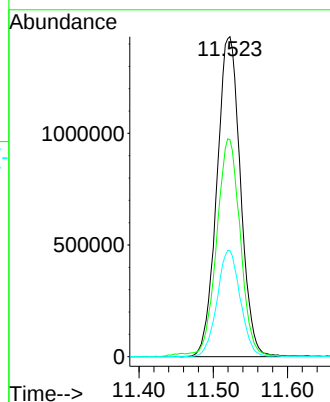
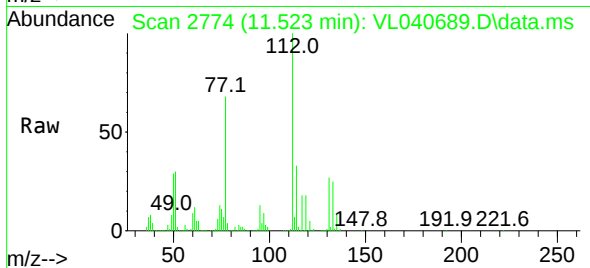




#57
Chlorobenzene
Concen: 14.695 ppbv
RT: 11.523 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

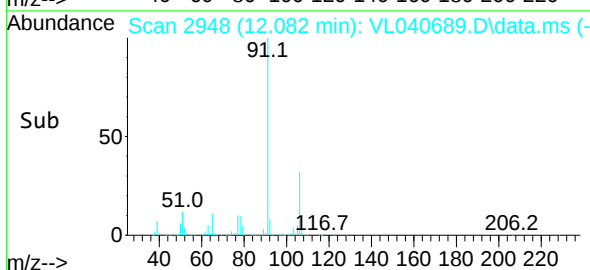
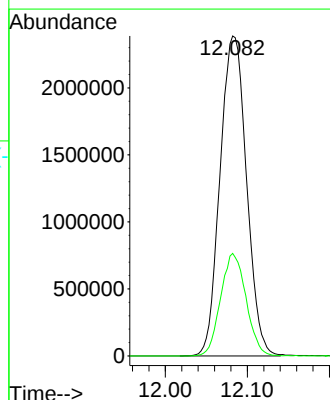
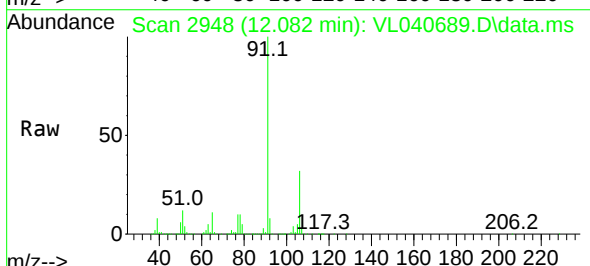
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

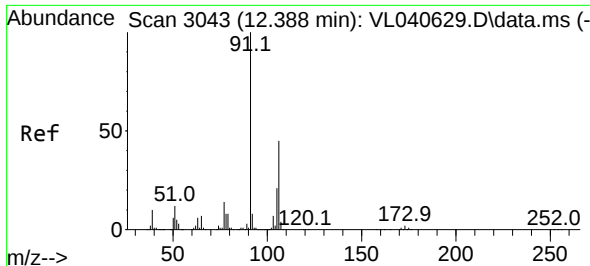
Tgt Ion:112 Resp: 3164623
Ion Ratio Lower Upper
112 100
77 67.6 50.8 76.2
114 33.1 28.2 34.4



#58
Ethyl Benzene
Concen: 16.524 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 91 Resp: 5357729
Ion Ratio Lower Upper
91 100
106 32.1 24.7 37.1





#59

m/p-Xylene

Concen: 15.963 ppbv

RT: 12.368 min Scan# 30

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

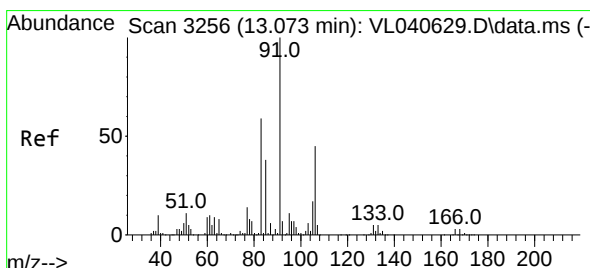
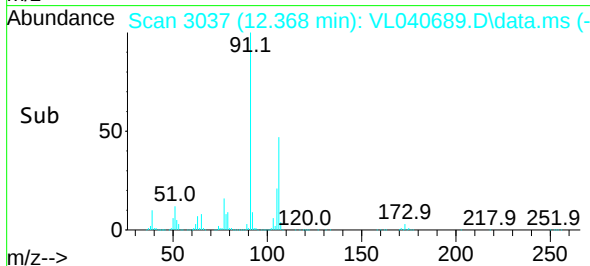
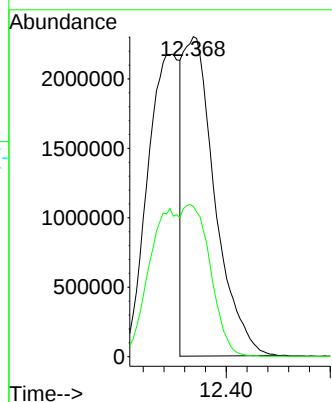
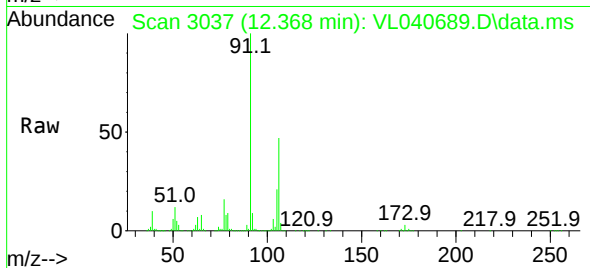
VSTDIC015

Tgt Ion: 91 Resp: 4859976

Ion Ratio Lower Upper

91 100

106 87.0 34.8 52.2#



#60

o-Xylene

Concen: 16.131 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.000 min

Lab File: VL040689.D

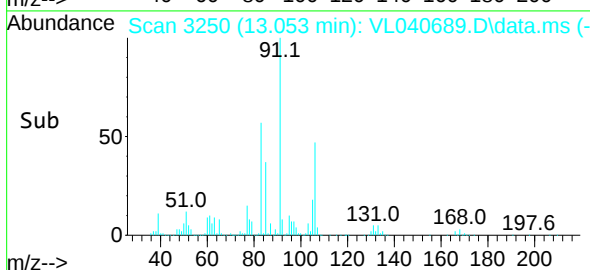
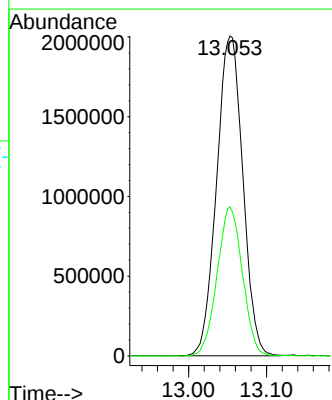
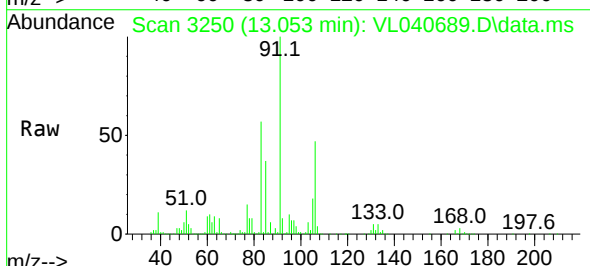
Acq: 14 Sep 2023 17:45

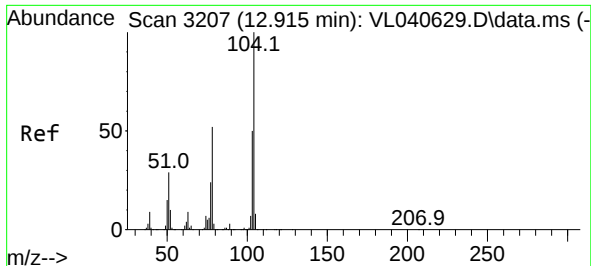
Tgt Ion: 91 Resp: 4683735

Ion Ratio Lower Upper

91 100

106 45.1 22.3 66.9

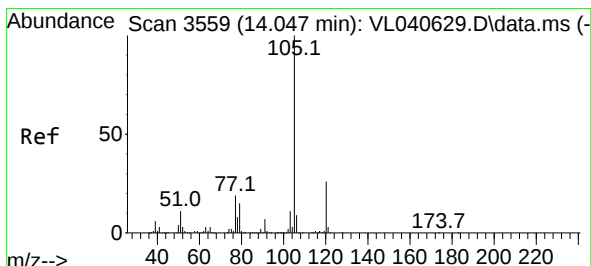
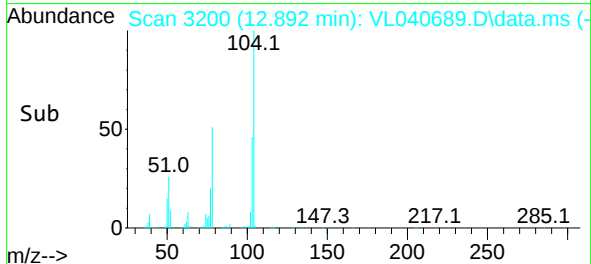
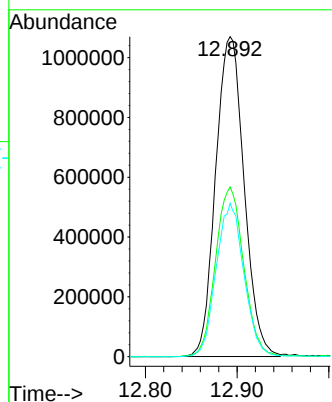
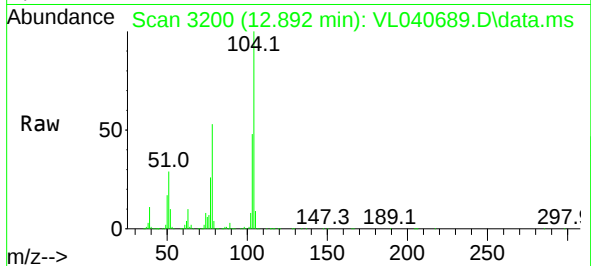




#61
Styrene
Concen: 18.941 ppbv
RT: 12.892 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

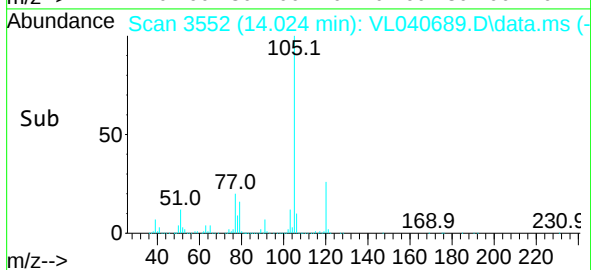
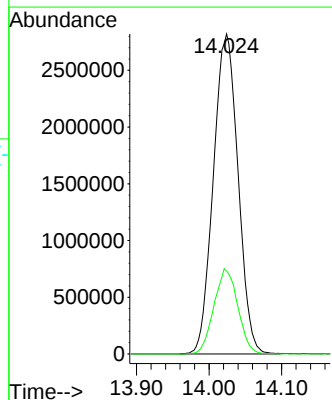
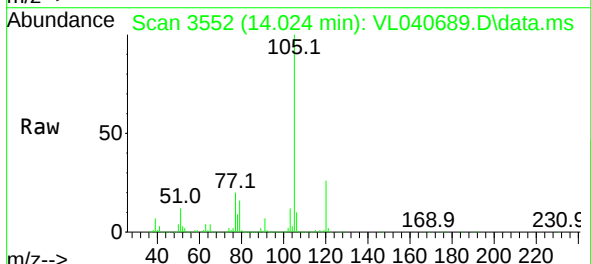
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

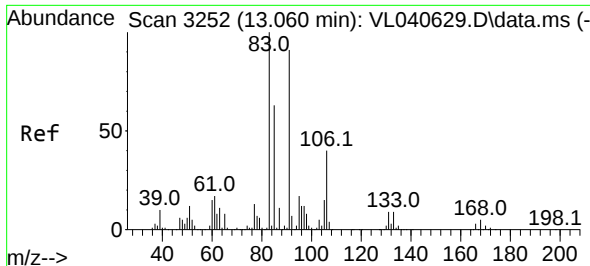
Tgt Ion:104 Resp: 2304869
Ion Ratio Lower Upper
104 100
78 52.9 43.4 65.0
103 46.8 37.2 55.8



#62
Isopropylbenzene
Concen: 15.214 ppbv
RT: 14.024 min Scan# 3552
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion:105 Resp: 6669750
Ion Ratio Lower Upper
105 100
120 25.7 20.2 30.4

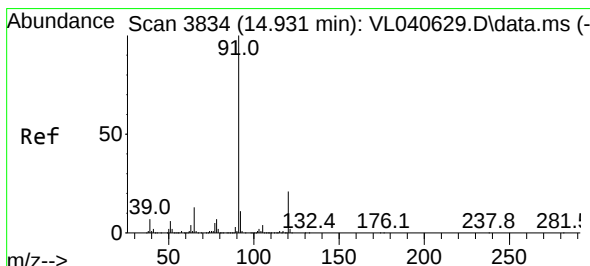
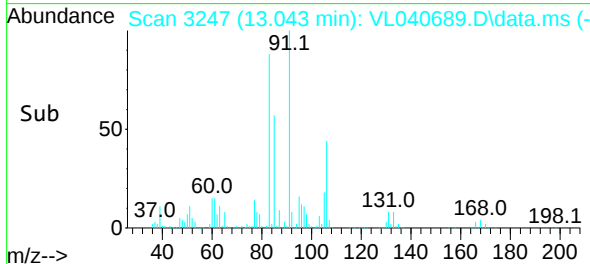
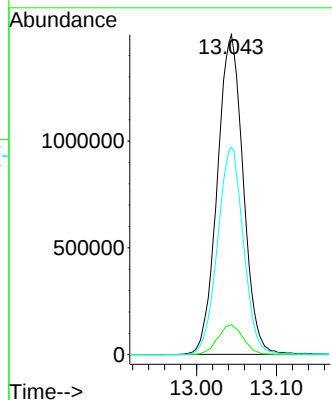
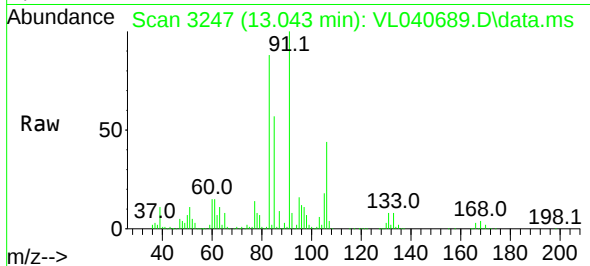




#63
1,1,2,2-Tetrachloroethane
Concen: 14.778 ppbv
RT: 13.043 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

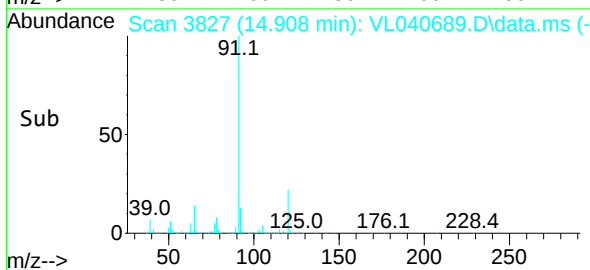
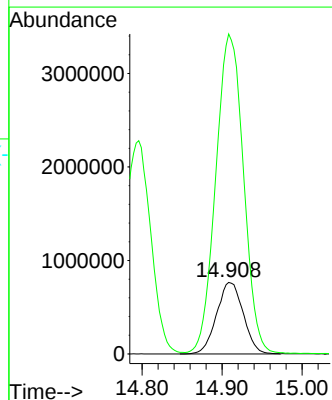
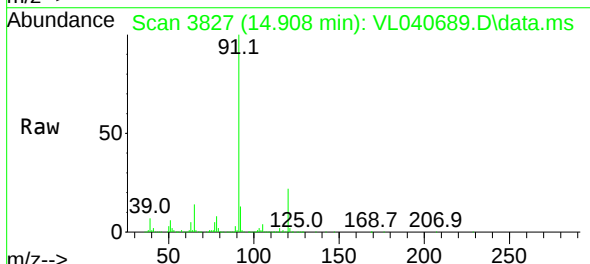
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

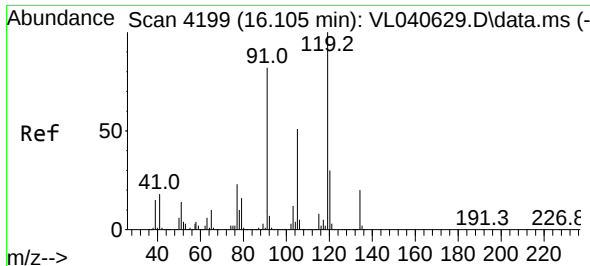
Tgt Ion: 83 Resp: 3362968
Ion Ratio Lower Upper
83 100
131 9.3 4.7 14.1
85 65.2 33.1 99.3



#64
n-propylbenzene
Concen: 16.157 ppbv
RT: 14.908 min Scan# 3827
Delta R.T. -0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 120 Resp: 1771016
Ion Ratio Lower Upper
120 100
91 467.5 386.9 580.3

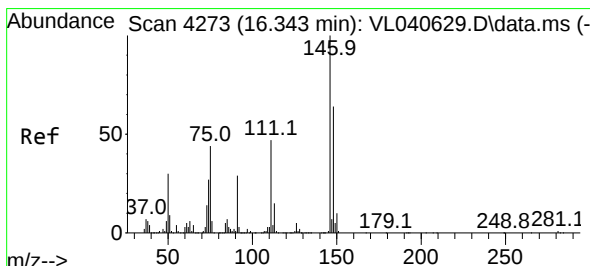
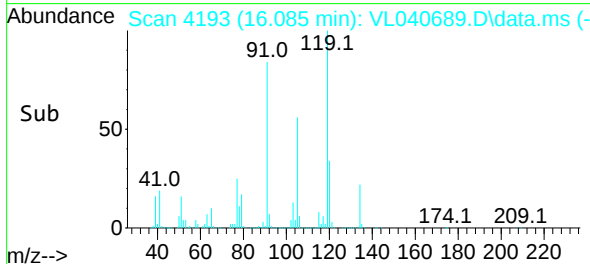
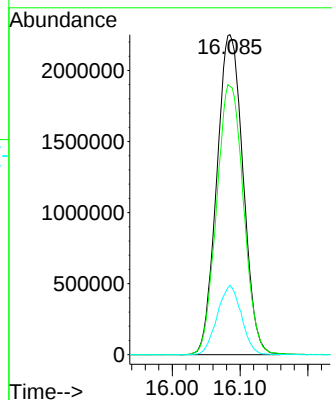
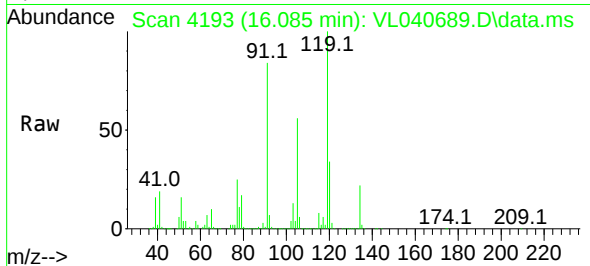




#65
tert-Butylbenzene
Concen: 15.409 ppbv
RT: 16.085 min Scan# 4199
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

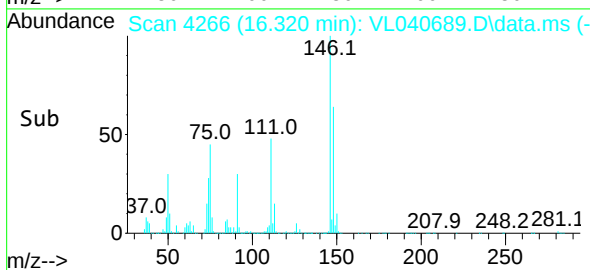
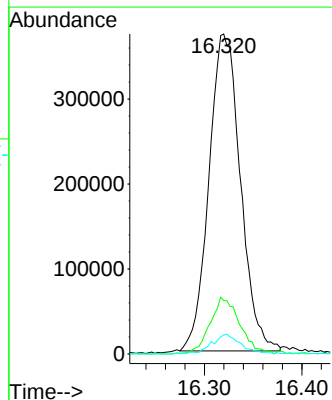
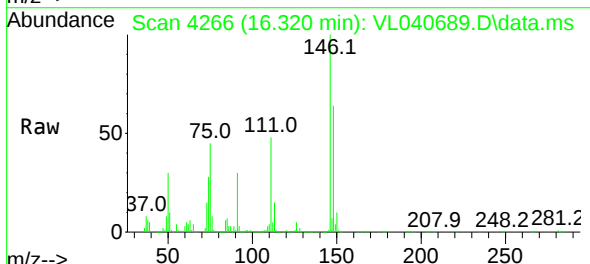
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

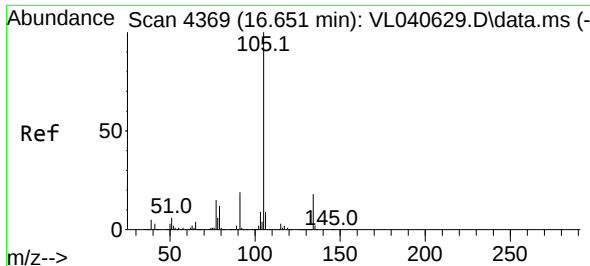
Tgt Ion:119 Resp: 6062981
Ion Ratio Lower Upper
119 100
91 86.4 69.8 104.8
134 20.0 15.4 23.2



#66
Benzyl Chloride
Concen: 18.245 ppbv
RT: 16.320 min Scan# 4266
Delta R.T. -0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 91 Resp: 837837
Ion Ratio Lower Upper
91 100
126 17.3 13.6 20.4
128 5.9 4.4 6.6

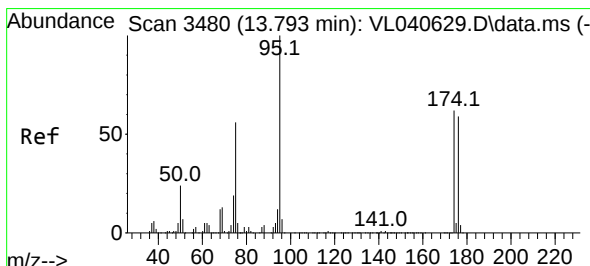
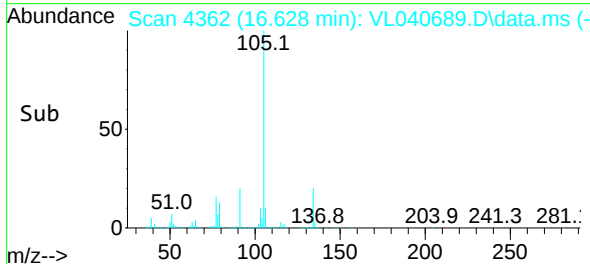
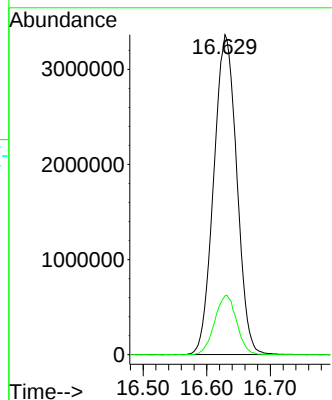
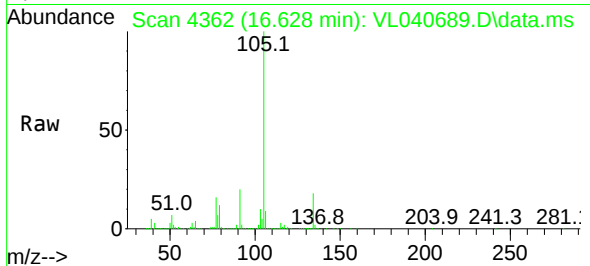




#67
 sec-Butylbenzene
 Concen: 15.006 ppbv
 RT: 16.628 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

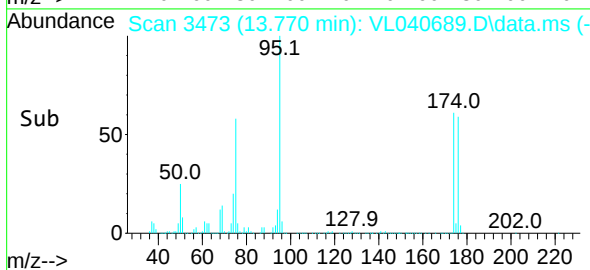
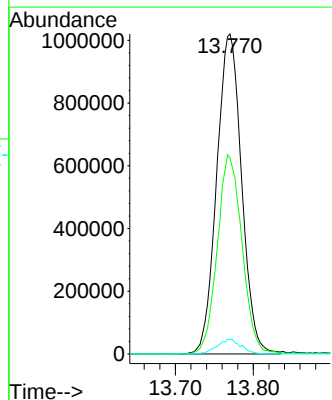
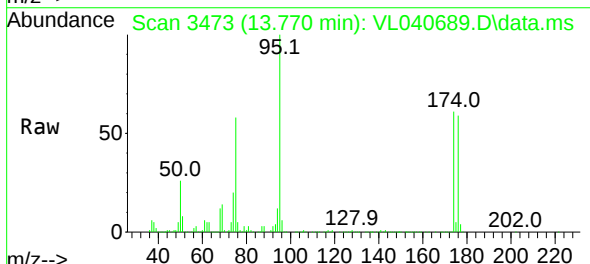
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

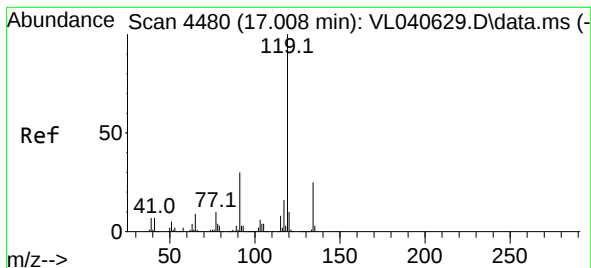
Tgt Ion:105 Resp: 8452619
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.331 ppbv
 RT: 13.770 min Scan# 3473
 Delta R.T. -0.000 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

Tgt Ion: 95 Resp: 2269866
 Ion Ratio Lower Upper
 95 100
 174 62.1 48.9 73.3
 175 4.4 3.5 5.3

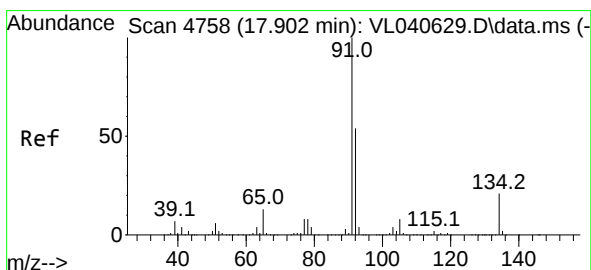
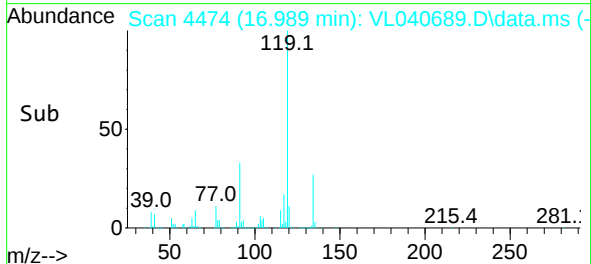
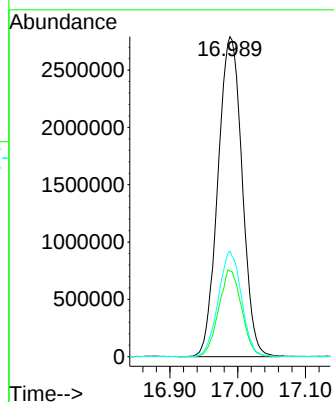
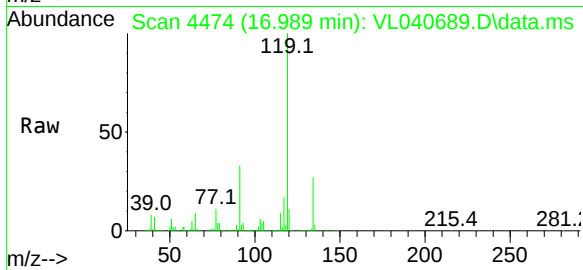




#69
p-Isopropyltoluene
Concen: 15.624 ppbv
RT: 16.989 min Scan# 4480
Delta R.T. -0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

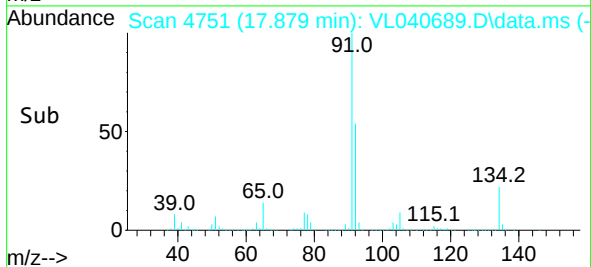
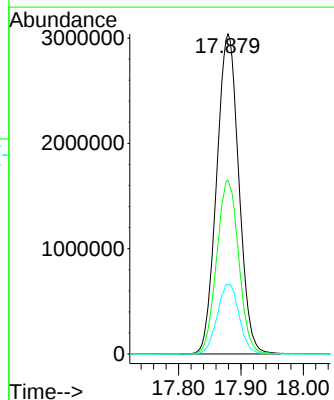
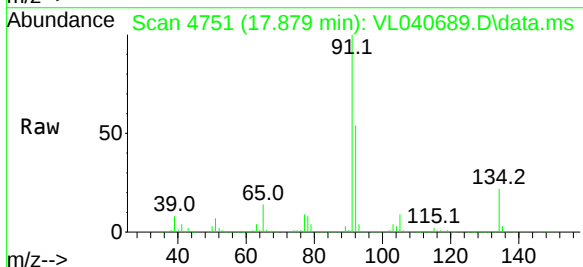
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

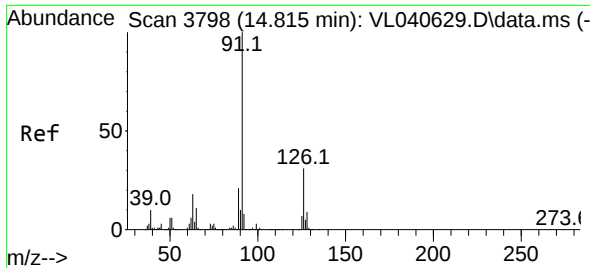
Tgt Ion:119 Resp: 6916843
Ion Ratio Lower Upper
119 100
134 25.8 20.2 30.2
91 31.7 25.0 37.6



#70
n-Butylbenzene
Concen: 15.372 ppbv
RT: 17.879 min Scan# 4751
Delta R.T. -0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion: 91 Resp: 7490043
Ion Ratio Lower Upper
91 100
92 54.0 42.7 64.1
134 21.6 17.0 25.4

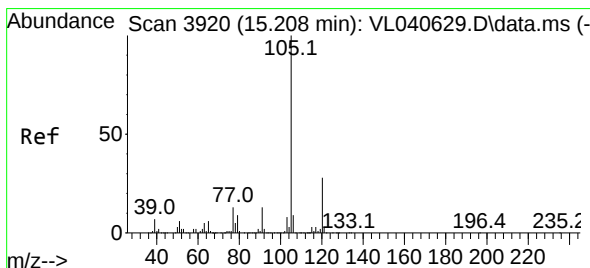
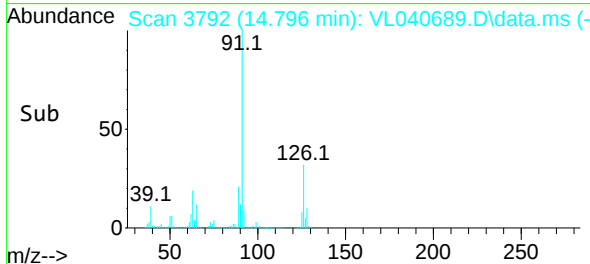
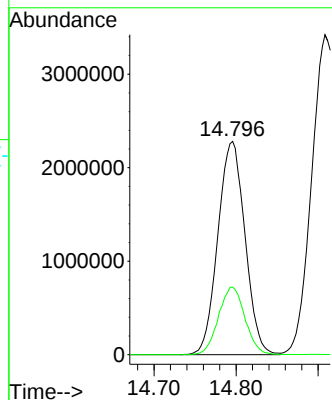
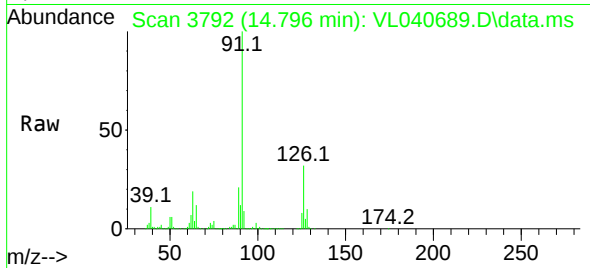




#71
2-Chlorotoluene
Concen: 16.161 ppbv
RT: 14.796 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

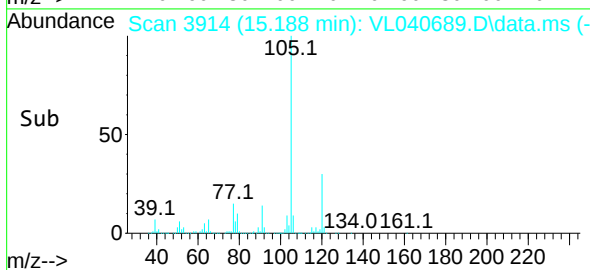
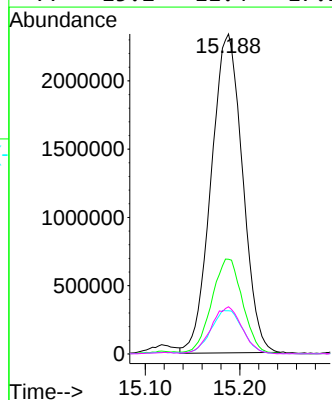
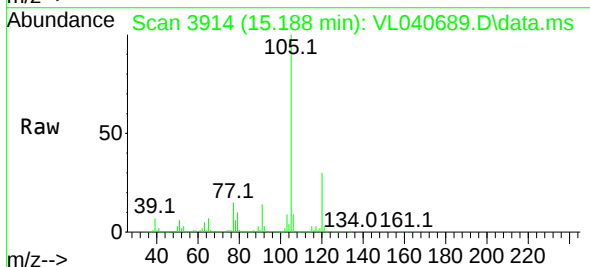
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

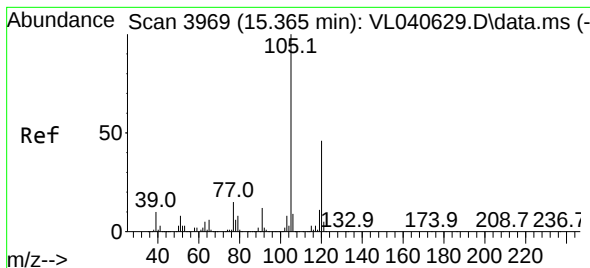
Tgt Ion: 91 Resp: 5241947
Ion Ratio Lower Upper
91 100
126 31.0 12.0 47.8



#72
4-Ethyltoluene
Concen: 16.508 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion:105 Resp: 5375207
Ion Ratio Lower Upper
105 100
120 29.5 23.9 35.9
91 14.6 11.0 16.4
77 15.2 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 16.020 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

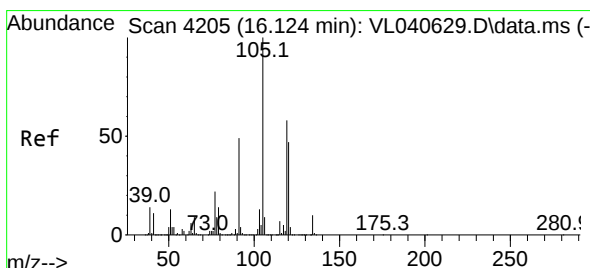
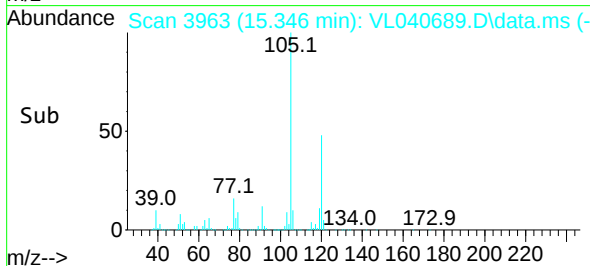
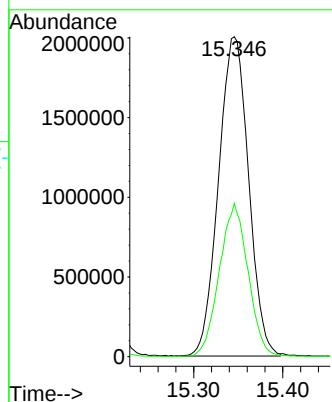
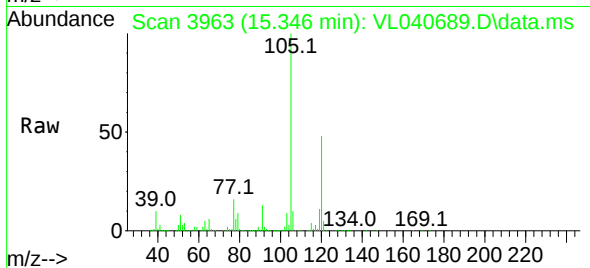
VSTDIC015

Tgt Ion:105 Resp: 4696830

Ion Ratio Lower Upper

105 100

120 48.0 36.1 54.1



#74

1,2,4-Trimethylbenzene

Concen: 14.966 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Tgt Ion:105 Resp: 5349210

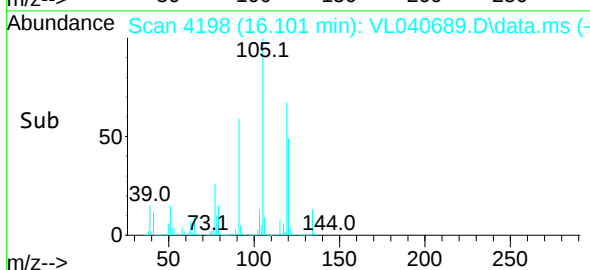
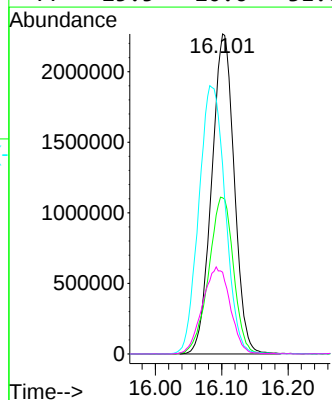
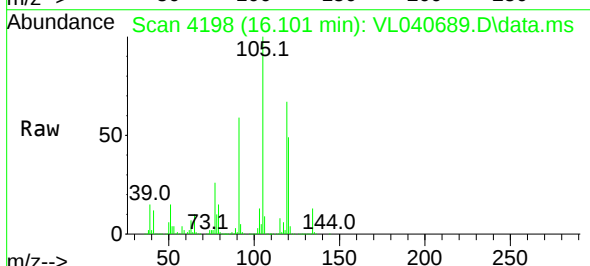
Ion Ratio Lower Upper

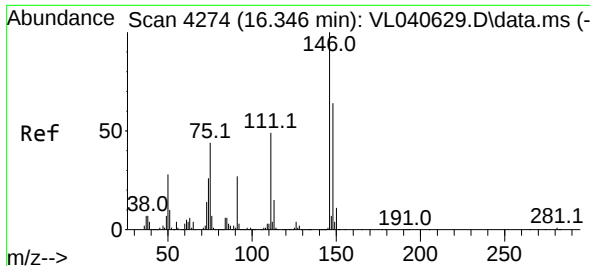
105 100

120 48.7 38.6 57.8

91 59.0 50.0 75.0

77 25.5 20.6 31.0

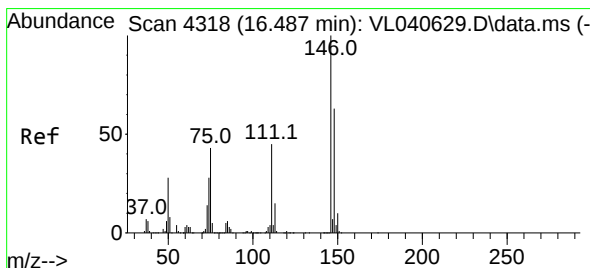
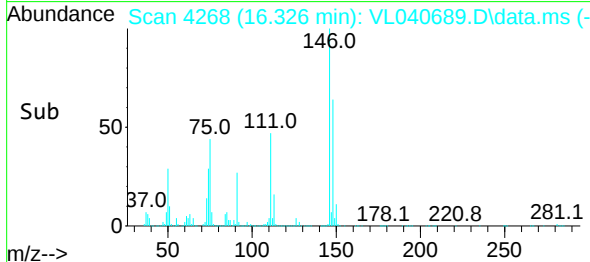
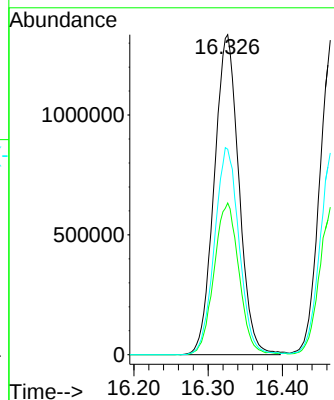
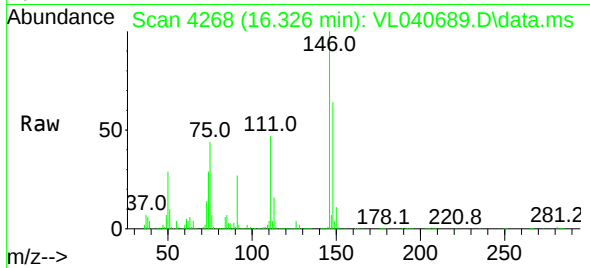




#75
1,3-Dichlorobenzene
Concen: 15.118 ppbv
RT: 16.326 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

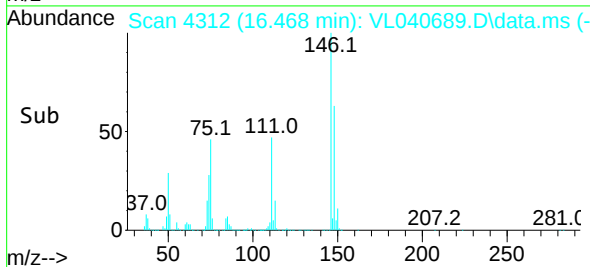
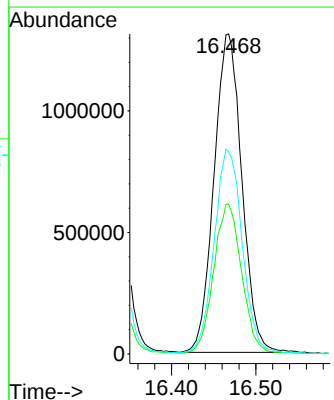
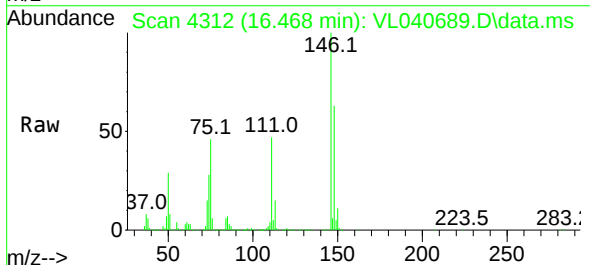
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

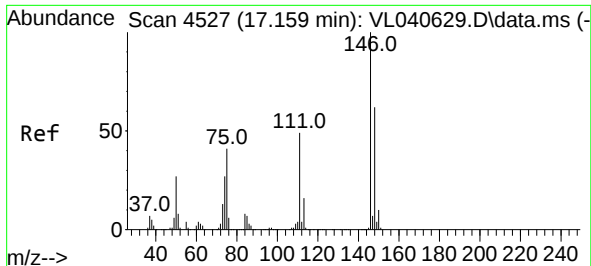
Tgt Ion:146 Resp: 3078599
Ion Ratio Lower Upper
146 100
111 48.2 23.9 71.7
148 64.7 31.8 95.4



#76
1,4-Dichlorobenzene
Concen: 14.978 ppbv
RT: 16.468 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion:146 Resp: 3001069
Ion Ratio Lower Upper
146 100
111 47.7 23.8 71.2
148 65.4 32.6 97.7

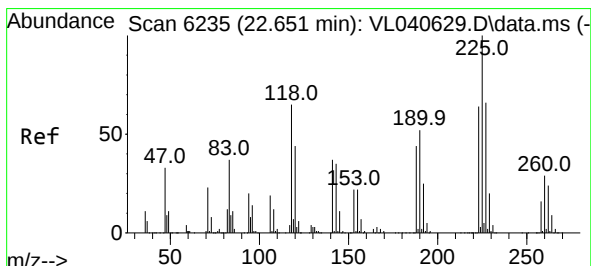
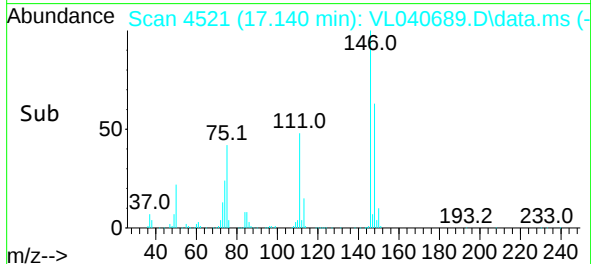
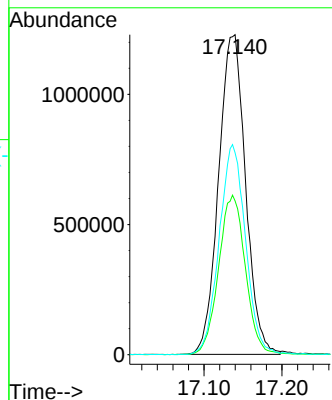
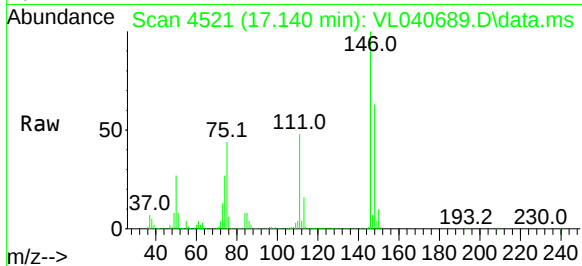




#77
1,2-Dichlorobenzene
Concen: 14.542 ppbv
RT: 17.140 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

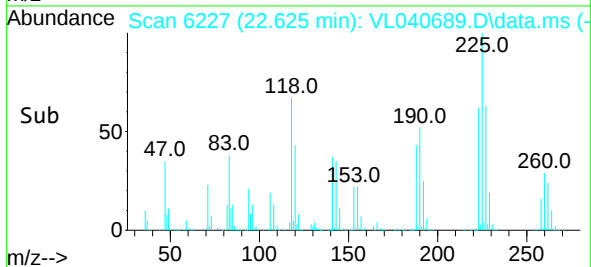
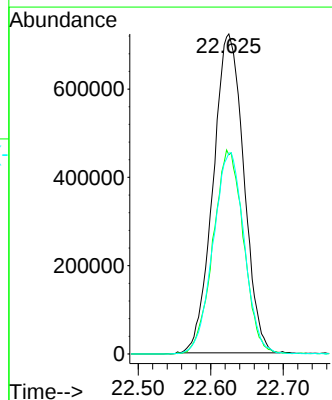
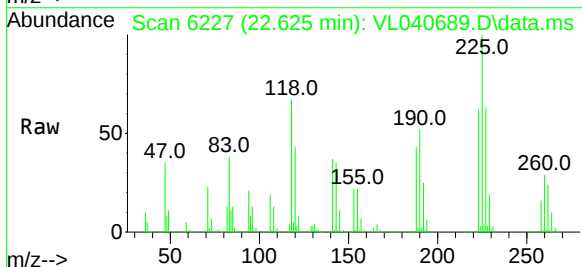
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

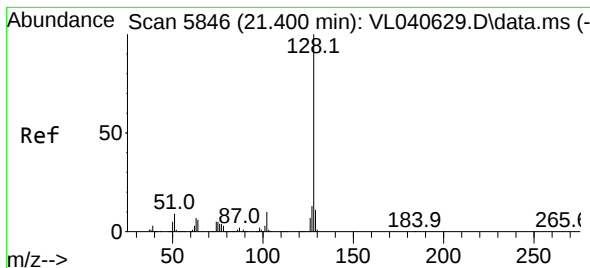
Tgt Ion:146 Resp: 2949612
Ion Ratio Lower Upper
146 100
111 49.8 25.0 75.0
148 64.8 32.4 97.0



#78
Hexachloro-1,3-Butadiene
Concen: 13.827 ppbv
RT: 22.625 min Scan# 6227
Delta R.T. -0.003 min
Lab File: VL040689.D
Acq: 14 Sep 2023 17:45

Tgt Ion:225 Resp: 2121929
Ion Ratio Lower Upper
225 100
223 63.8 51.2 76.8
227 64.2 50.7 76.1





#79

Naphthalene

Concen: 20.283 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. -0.000 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

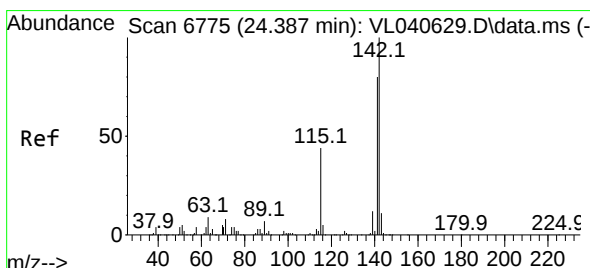
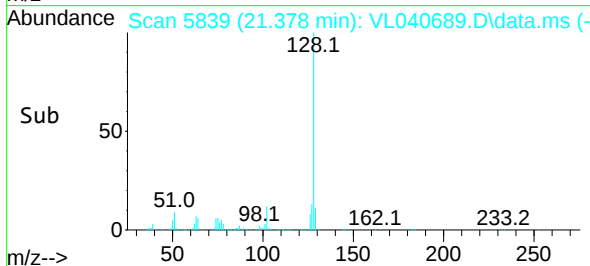
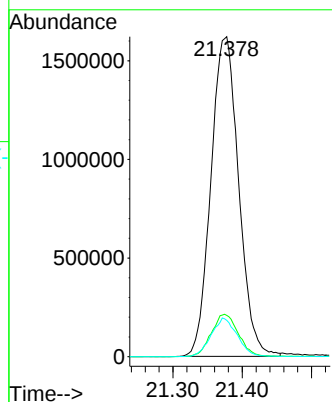
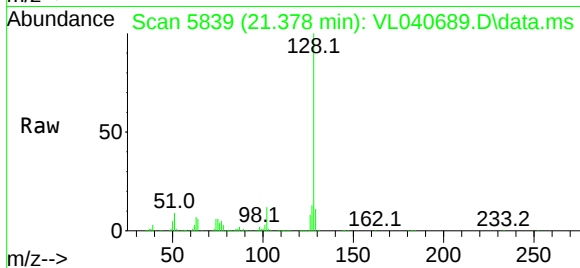
Tgt Ion:128 Resp: 4511170

Ion Ratio Lower Upper

128 100

127 12.9 9.8 14.6

129 11.3 8.4 12.6



#80

Naphthalene,2-methyl-

Concen: 25.992 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. -0.007 min

Lab File: VL040689.D

Acq: 14 Sep 2023 17:45

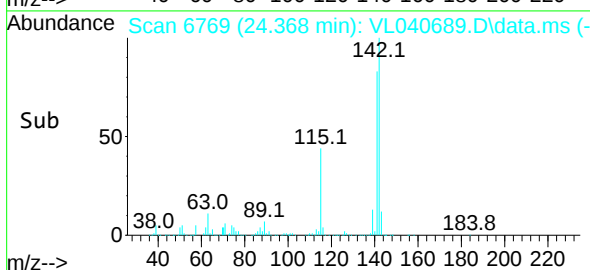
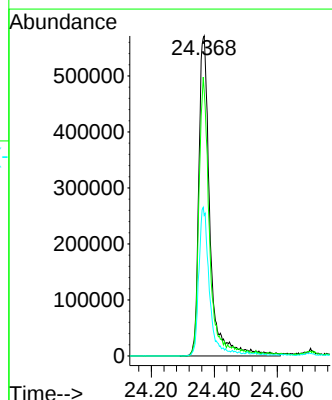
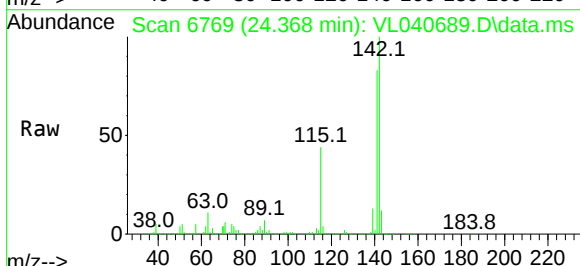
Tgt Ion:142 Resp: 1415917

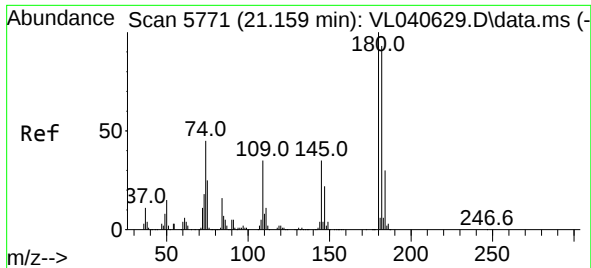
Ion Ratio Lower Upper

142 100

141 81.9 67.0 100.6

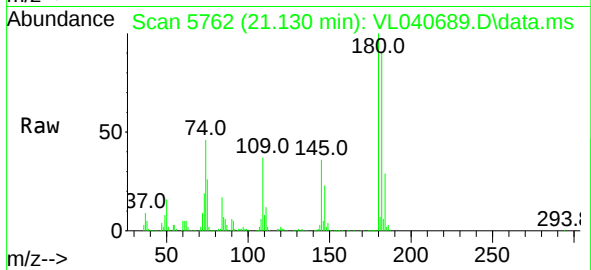
115 44.1 37.4 56.2





#81
 1,2,4-Trichlorobenzene
 Concen: 16.578 ppbv
 RT: 21.130 min Scan# 51
 Delta R.T. -0.007 min
 Lab File: VL040689.D
 Acq: 14 Sep 2023 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 2408494

Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.9	116.9
184	30.6	24.4	36.6

