

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041680.D
 Acq On : 7 Nov 2024 14:12
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Nov 08 00:13:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1139788	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3182548	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	3271350	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2357958	9.746	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.729	85	3118931	15.140	ppbv	99
3) Chlorodifluoromethane	2.674	51	2003229	13.489	ppbv	99
4) Chloromethane	2.813	50	1085629	13.801	ppbv	95
5) Vinyl Chloride	2.922	62	1061943	14.900	ppbv	99
6) Bromomethane	3.121	94	543873	14.489	ppbv	99
7) Chloroethane	3.198	64	374124	14.487	ppbv	99
8) Dichlorotetrafluoroethane	2.858	85	2471590	13.440	ppbv	100
9) Propene	2.694	41	906594	14.010	ppbv	99
10) Heptane	7.581	43	2284371	15.754	ppbv	98
11) Trichlorofluoromethane	3.562	101	2504580	13.958	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.067	101	1834846	14.068	ppbv	100
13) Ethanol	3.250	45	24151	6.000	ppbv #	49
14) Bromoethene	3.366	108	755053	14.401	ppbv	98
15) Acetone	3.469	43	1886393	13.448	ppbv	99
16) 1,3-Butadiene	2.986	39	1081107	15.371	ppbv	99
17) tert-Butyl alcohol	3.880	59	1663672	13.516	ppbv	100
18) 1,1-Dichloroethene	3.880	96	834933	14.596	ppbv	93
19) Isopropyl Alcohol	3.575	45	910280	13.406	ppbv	100
20) Methylene Chloride	3.932	84	687212	13.313	ppbv	96
21) Allyl Chloride	3.996	41	1317025	15.194	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	842095	14.755	ppbv	97
23) Vinyl Acetate	4.626	43	926796	14.047	ppbv	98
24) 1,1-Dichloroethane	4.565	63	1790354	14.103	ppbv	99
25) Ethyl Acetate	5.205	43	4234322	14.583	ppbv	100
26) Hexane	5.211	57	1693823	15.184	ppbv	96
27) Carbon Disulfide	4.124	76	2071779	16.531	ppbv	99
28) Methyl tert-Butyl Ether	4.587	73	988726	13.764	ppbv	99
29) Chloroform	5.276	83	2615593	14.204	ppbv	98
30) Cyclohexane	6.600	84	1445757	16.132	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1655410	15.426	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	2576420	15.262	ppbv	99
34) 2-Butanone	4.787	43	2382292	15.033	ppbv	100
35) Carbon Tetrachloride	6.497	117	2728914	16.220	ppbv	98
36) Benzene	6.372	78	3579956	15.182	ppbv	100
37) 1,2-Dichloroethane	5.809	62	1992504	14.978	ppbv	99
38) Trichloroethene	7.295	130	1492186	16.410	ppbv	98
39) 1,2-Dichloropropane	7.076	63	1405373	15.081	ppbv	99
40) 1,4-Dioxane	7.285	88	545340	16.521	ppbv	93
41) Tetrahydrofuran	5.555	42	1449986	16.040	ppbv	99
42) Bromodichloromethane	7.253	83	2869440	15.522	ppbv	99
43) Methyl Methacrylate	7.475	69	1439612	17.388	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	5922866	14.828	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	1469151	19.850	ppbv	97

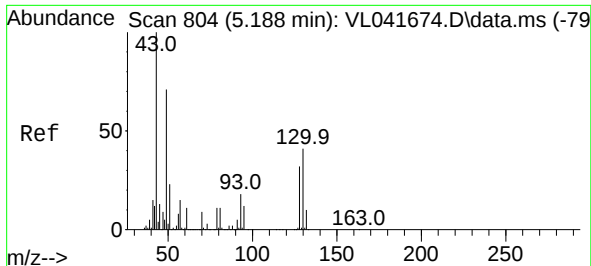
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041680.D
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Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Nov 08 00:13:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	1964082	18.259	ppbv	98
47) 1,1,2-Trichloroethane	8.902	97	1496508	14.895	ppbv	99
48) Dibromochloromethane	9.713	129	2521147	16.444	ppbv	100
49) Bromoform	12.413	173	2265132	17.318	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	3873850	15.919	ppbv	99
51) 2-Hexanone	9.552	43	3096656	17.512	ppbv #	99
52) Tetrachloroethene	10.616	164	1362327	16.900	ppbv	98
53) Toluene	9.224	91	4192947	16.909	ppbv	100
54) 1,2-Dibromoethane	10.012	107	2047188	17.451	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.510	131	1851127	13.588	ppbv	98
57) Chlorobenzene	11.529	112	3280487	13.453	ppbv	99
58) Ethyl Benzene	12.092	91	5635176	15.550	ppbv	98
59) m/p-Xylene	12.372	91	5464666	16.857	ppbv #	47
60) o-Xylene	13.063	91	4598783	14.859	ppbv	100
61) Styrene	12.902	104	2329096	18.233	ppbv	100
62) Isopropylbenzene	14.031	105	6769619	14.169	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	3217179	14.277	ppbv	100
64) n-propylbenzene	14.918	120	1875181	15.010	ppbv	95
65) tert-Butylbenzene	16.095	119	6075642	14.149	ppbv	100
66) Benzyl Chloride	16.333	91	602019	19.466	ppbv	99
67) sec-Butylbenzene	16.638	105	8477471	14.008	ppbv	99
69) p-Isopropyltoluene	16.999	119	7127872	14.562	ppbv	99
70) n-Butylbenzene	17.889	91	7337569	14.625	ppbv	98
71) 2-Chlorotoluene	14.806	91	5195848	15.038	ppbv	99
72) 4-Ethyltoluene	15.198	105	5625512	15.652	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	4772611	15.144	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	5199497	14.183	ppbv	95
75) 1,3-Dichlorobenzene	16.336	146	3296952	14.559	ppbv	100
76) 1,4-Dichlorobenzene	16.478	146	3204404	14.402	ppbv	100
77) 1,2-Dichlorobenzene	17.150	146	3223835	14.336	ppbv	100
78) Hexachloro-1,3-Butadiene	22.638	225	2162938	12.158	ppbv	99
79) Naphthalene	21.391	128	4363777	19.355	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	1022470	24.444	ppbv	97
81) 1,2,4-Trichlorobenzene	21.146	180	2238509	15.962	ppbv	100

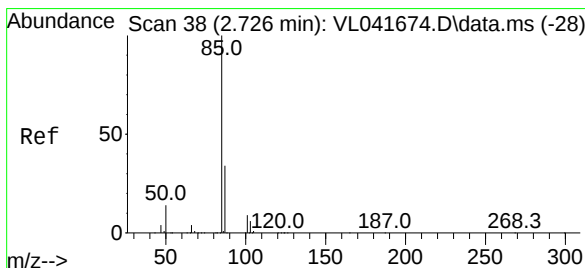
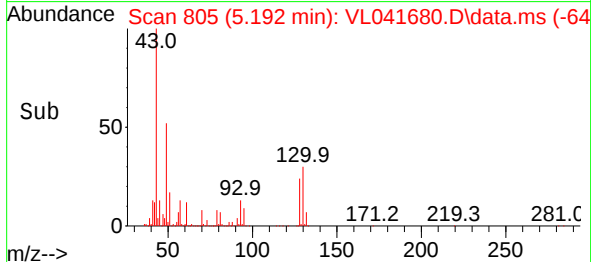
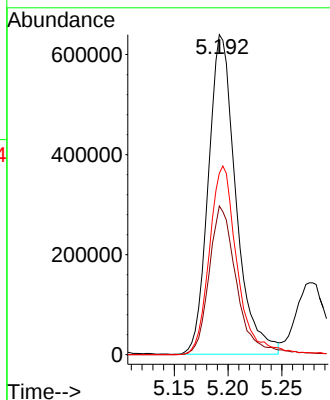
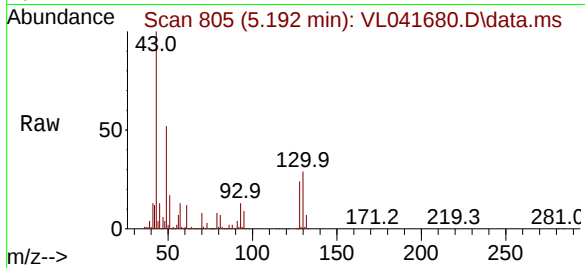
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

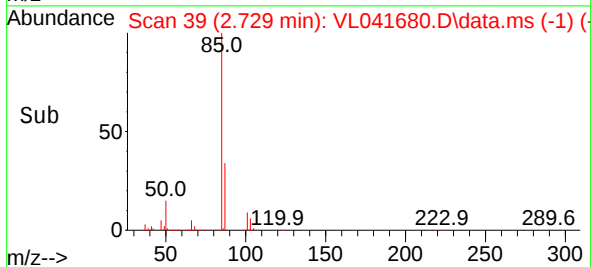
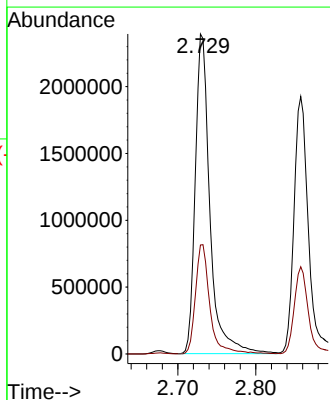
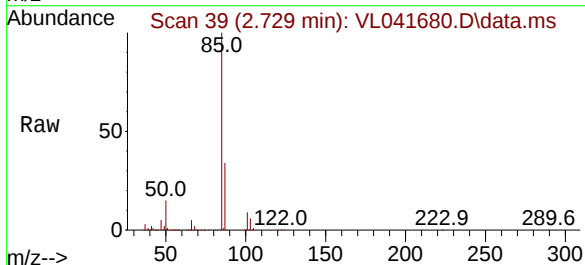
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

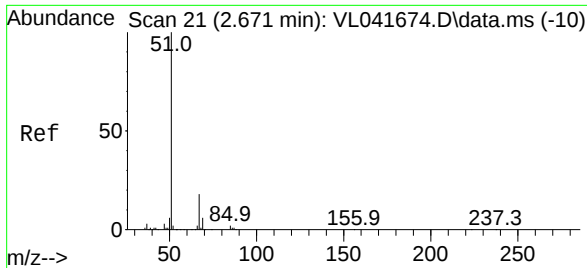
Tgt Ion: 49 Resp: 1139788
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.2
130 60.9 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 15.140 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 85 Resp: 3118931
Ion Ratio Lower Upper
85 100
87 34.1 26.8 40.2





#3

Chlorodifluoromethane

Concen: 13.489 ppbv

RT: 2.674 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

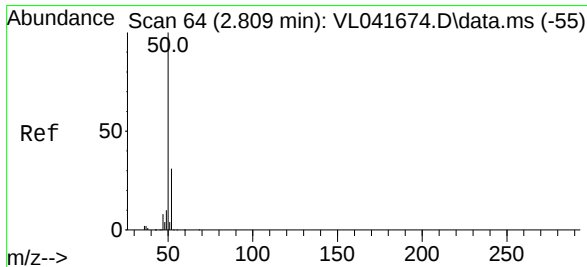
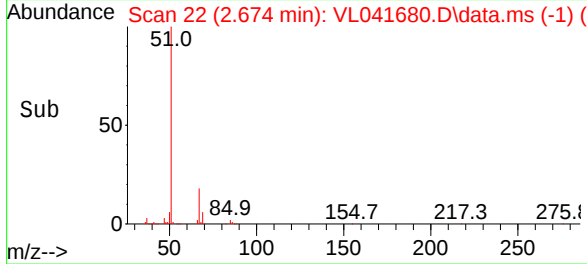
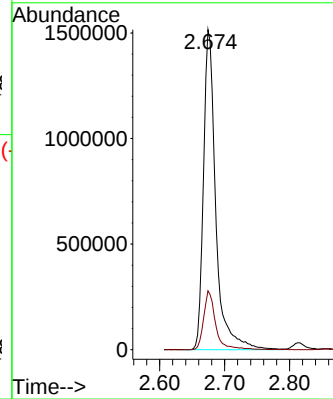
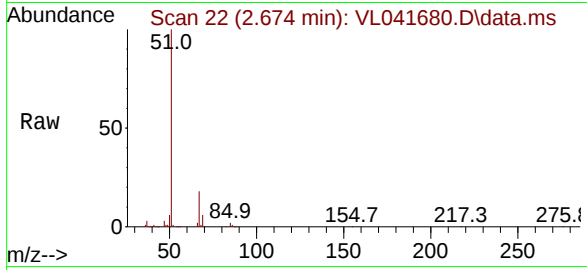
VSTDIC015

Tgt Ion: 51 Resp: 2003229

Ion Ratio Lower Upper

51 100

67 18.0 13.9 20.9



#4

Chloromethane

Concen: 13.801 ppbv

RT: 2.813 min Scan# 65

Delta R.T. 0.003 min

Lab File: VL041680.D

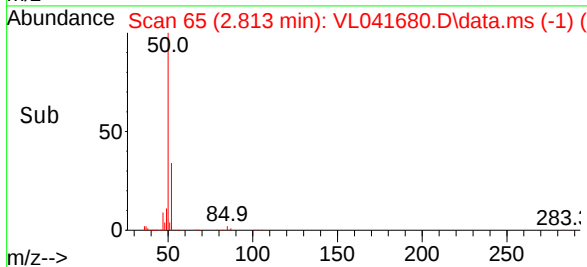
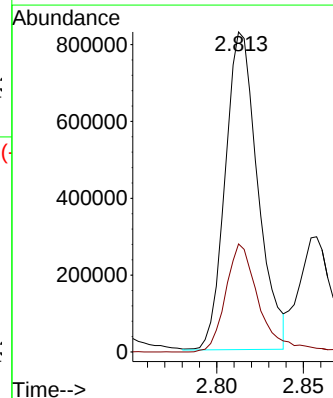
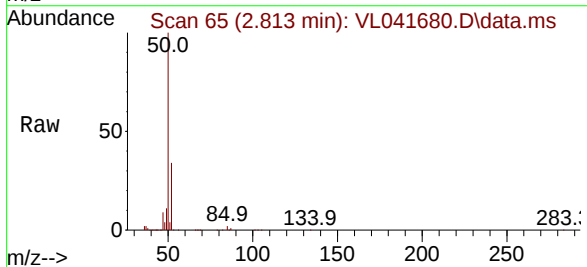
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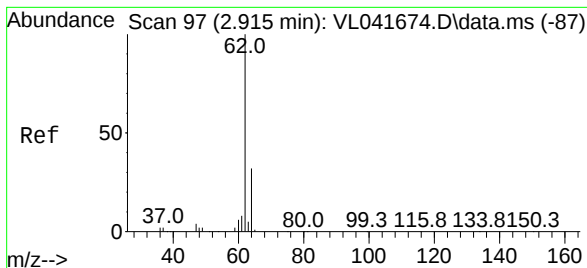
Tgt Ion: 50 Resp: 1085629

Ion Ratio Lower Upper

50 100

52 34.1 24.9 37.3

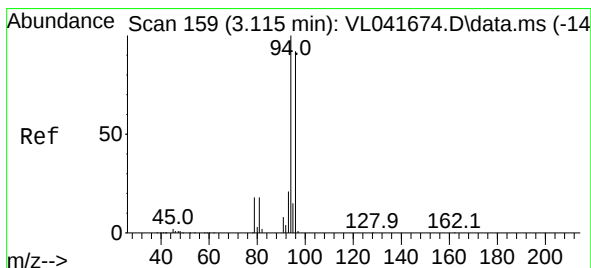
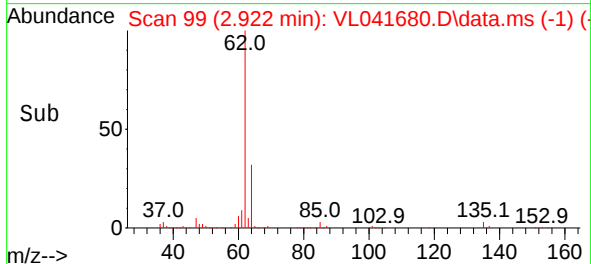
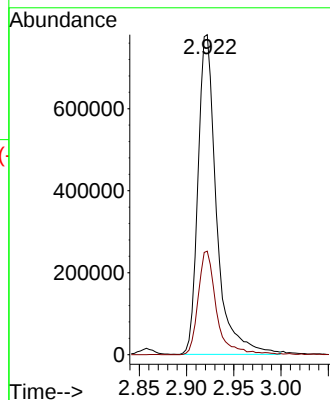
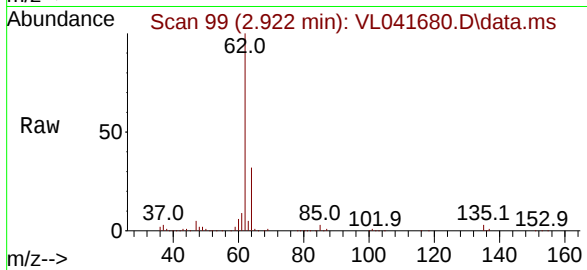




#5
 Vinyl Chloride
 Concen: 14.900 ppbv
 RT: 2.922 min Scan# 90
 Delta R.T. 0.007 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

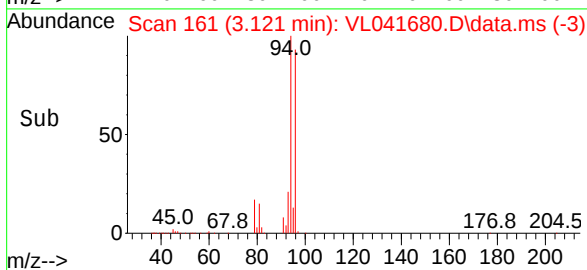
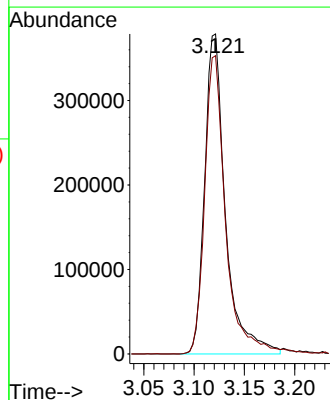
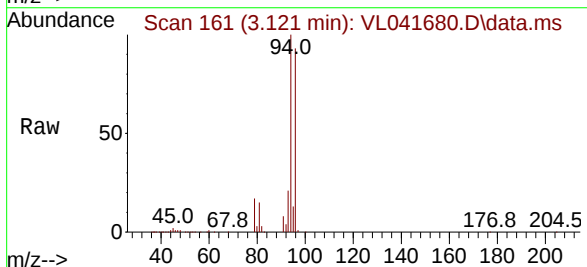
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

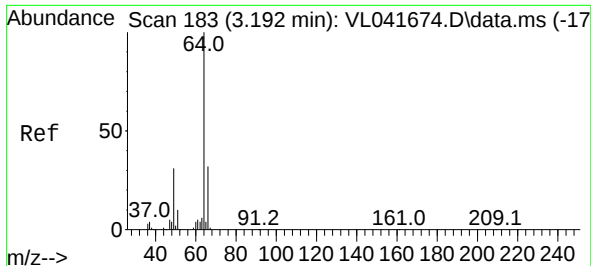
Tgt Ion: 62 Resp: 1061943
 Ion Ratio Lower Upper
 62 100
 64 32.4 25.4 38.2



#6
 Bromomethane
 Concen: 14.489 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.007 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

Tgt Ion: 94 Resp: 543873
 Ion Ratio Lower Upper
 94 100
 96 93.2 73.4 110.2

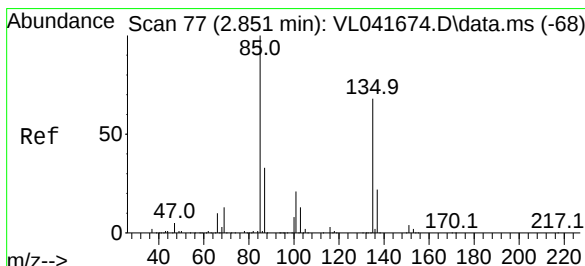
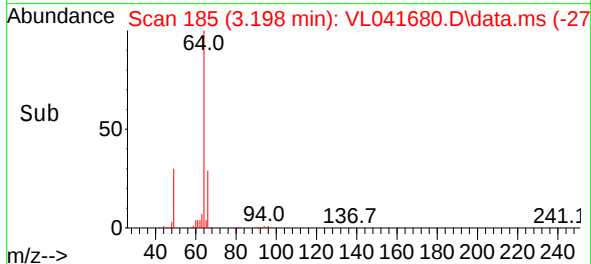
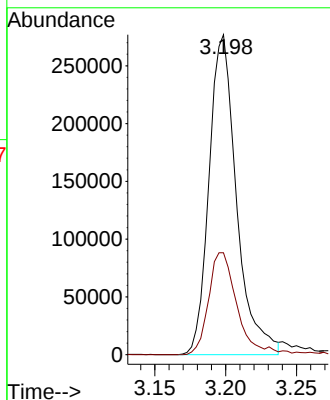
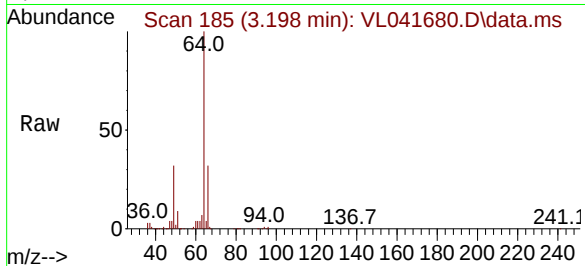




#7
Chloroethane
Concen: 14.487 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

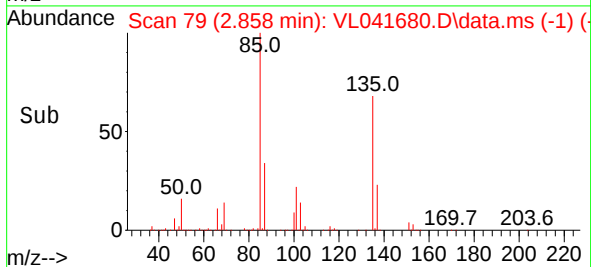
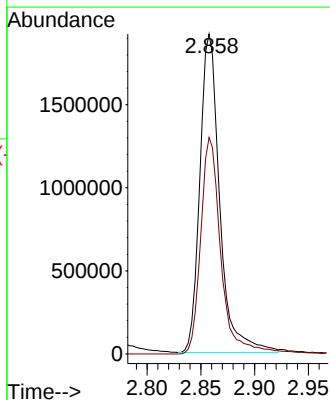
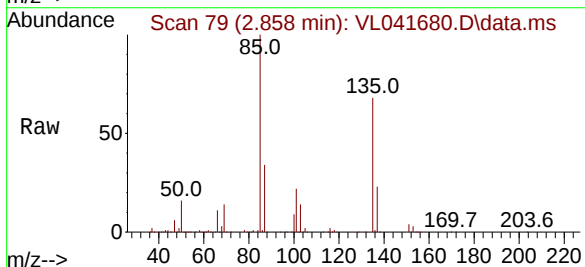
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

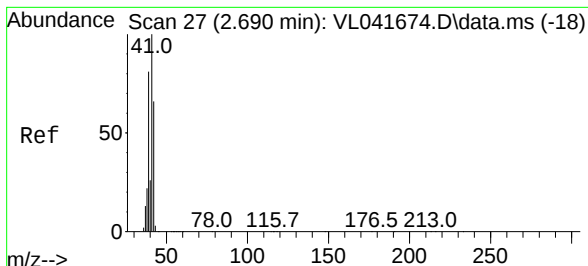
Tgt Ion: 64 Resp: 374124
Ion Ratio Lower Upper
64 100
66 31.8 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 13.440 ppbv
RT: 2.858 min Scan# 79
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 85 Resp: 2471590
Ion Ratio Lower Upper
85 100
135 69.7 55.5 83.3





#9

Propene

Concen: 14.010 ppbv

RT: 2.694 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

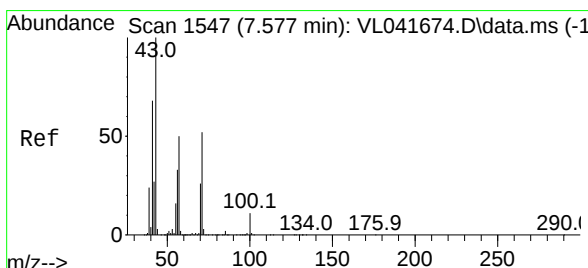
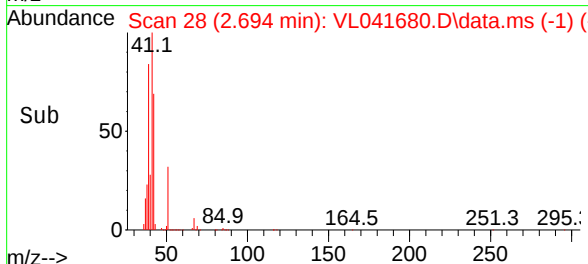
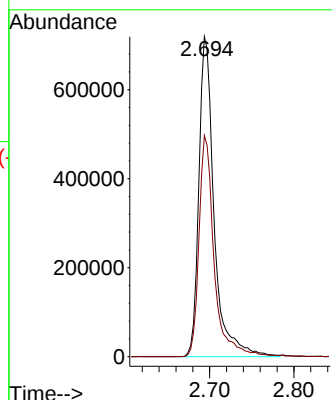
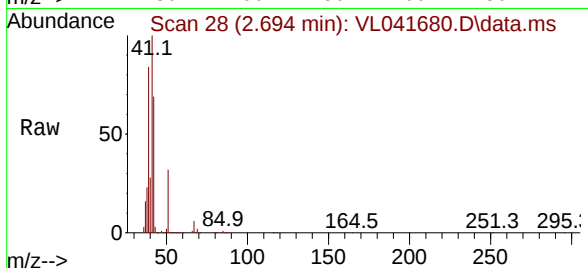
VSTDIC015

Tgt Ion: 41 Resp: 906594

Ion Ratio Lower Upper

41 100

42 69.2 55.0 82.4



#10

Heptane

Concen: 15.754 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. 0.003 min

Lab File: VL041680.D

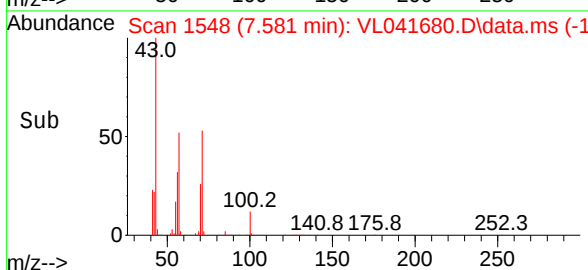
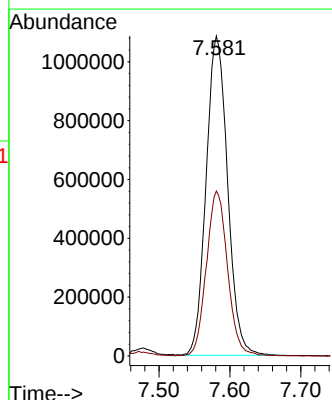
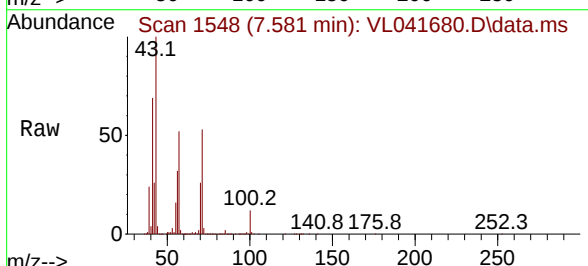
Acq: 7 Nov 2024 14:12

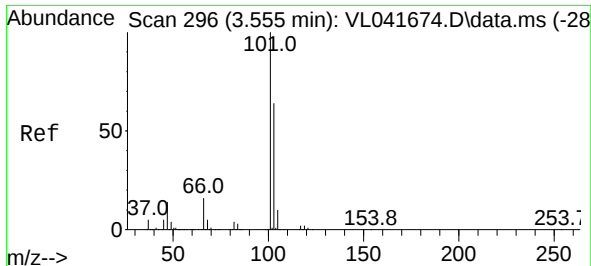
Tgt Ion: 43 Resp: 2284371

Ion Ratio Lower Upper

43 100

57 51.0 40.0 60.0

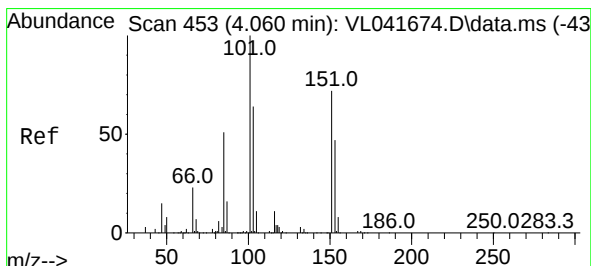
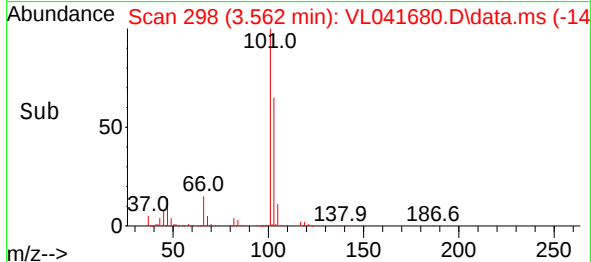
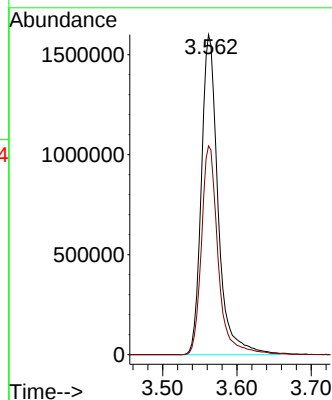
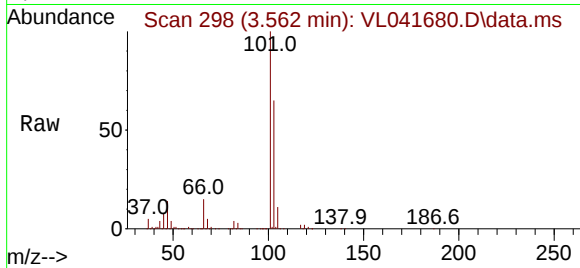




#11
 Trichlorofluoromethane
 Concen: 13.958 ppbv
 RT: 3.562 min Scan# 296
 Delta R.T. 0.007 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

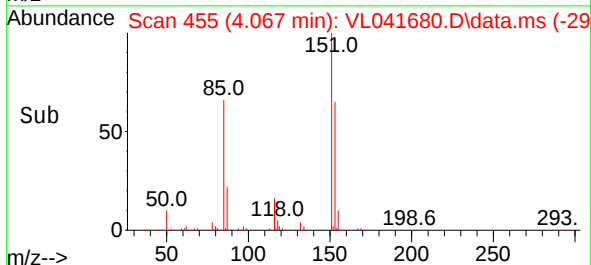
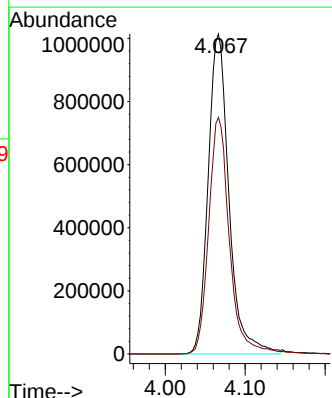
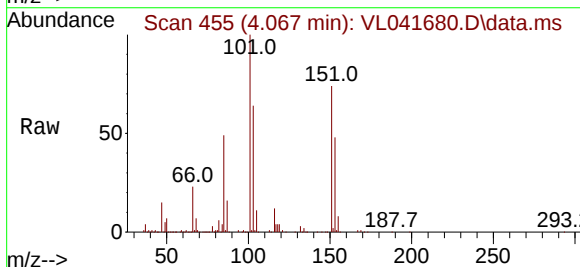
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

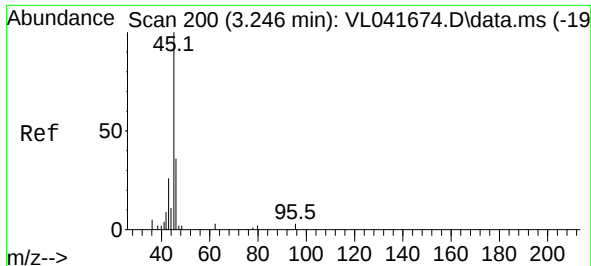
Tgt Ion:101 Resp: 2504580
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.068 ppbv
 RT: 4.067 min Scan# 455
 Delta R.T. 0.007 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

Tgt Ion:101 Resp: 1834846
 Ion Ratio Lower Upper
 101 100
 151 73.7 59.1 88.7





#13

Ethanol

Concen: 6.000 ppbv

RT: 3.250 min Scan# 20

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

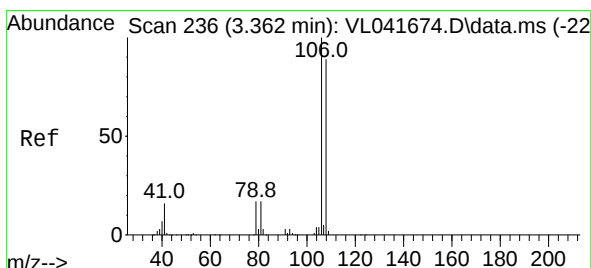
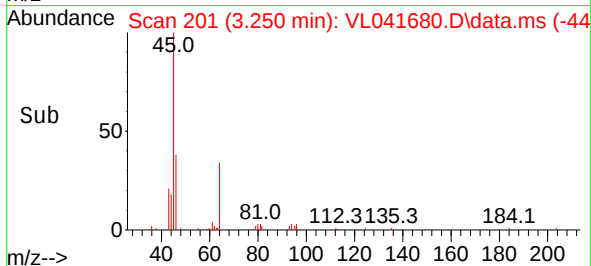
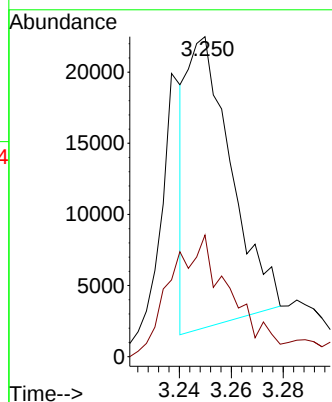
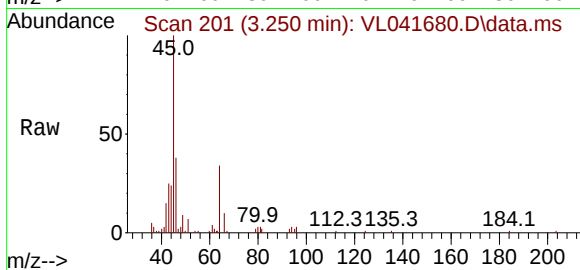
VSTDIC015

Tgt Ion: 45 Resp: 24151

Ion Ratio Lower Upper

45 100

46 63.8 13.8 55.2#



#14

Bromoethene

Concen: 14.401 ppbv

RT: 3.366 min Scan# 237

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

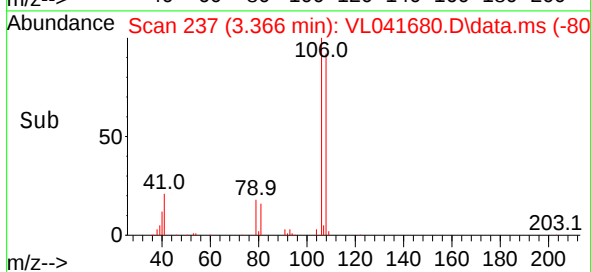
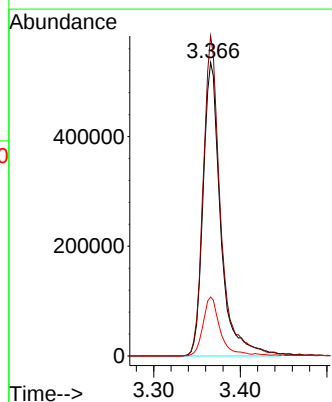
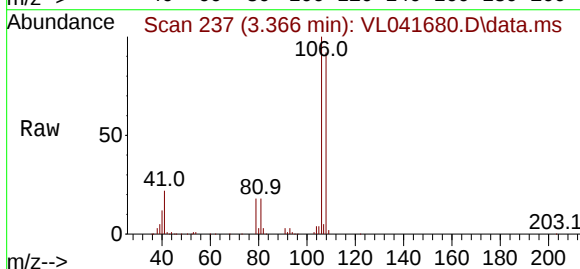
Tgt Ion:108 Resp: 755053

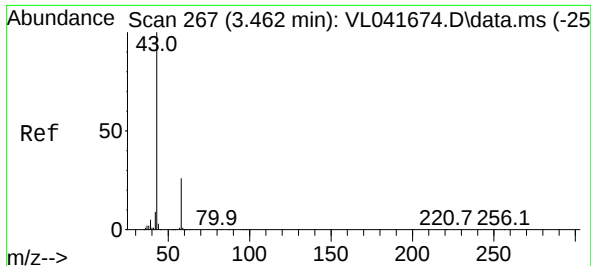
Ion Ratio Lower Upper

108 100

106 108.4 88.6 133.0

79 20.3 15.6 23.4





#15

Acetone

Concen: 13.448 ppbv

RT: 3.469 min Scan# 2

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

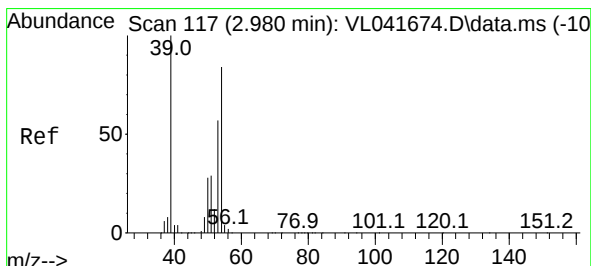
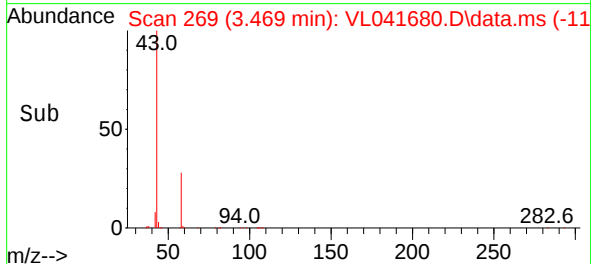
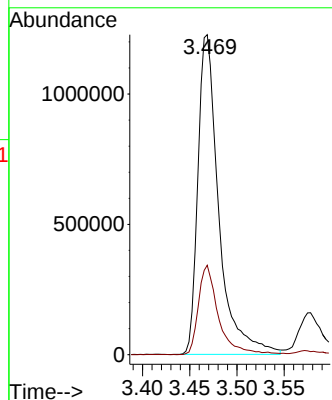
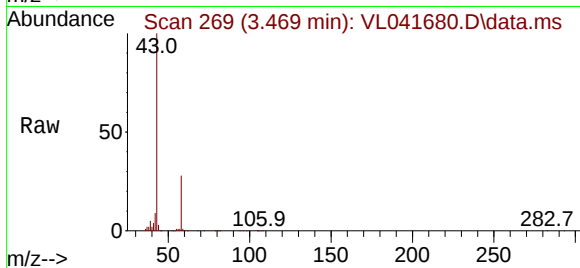
VSTDIC015

Tgt Ion: 43 Resp: 1886393

Ion Ratio Lower Upper

43 100

58 27.1 21.4 32.0



#16

1,3-Butadiene

Concen: 15.371 ppbv

RT: 2.986 min Scan# 119

Delta R.T. 0.007 min

Lab File: VL041680.D

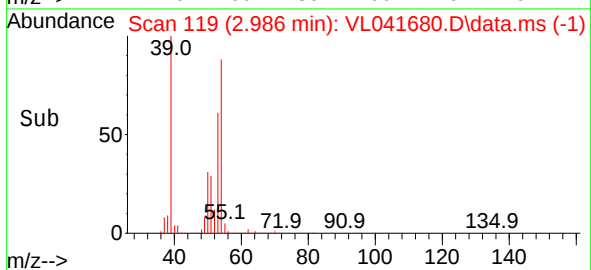
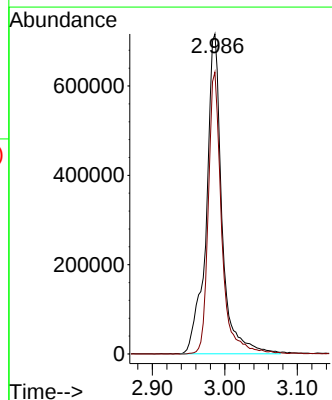
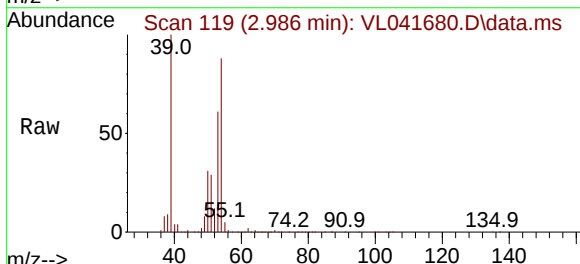
Acq: 7 Nov 2024 14:12

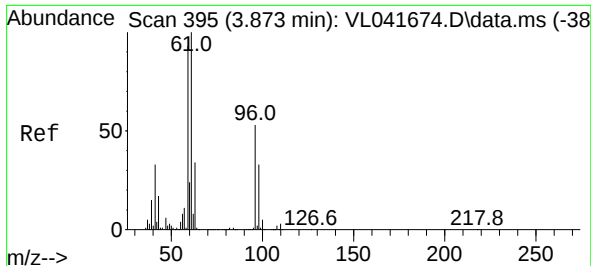
Tgt Ion: 39 Resp: 1081107

Ion Ratio Lower Upper

39 100

54 75.5 61.3 91.9

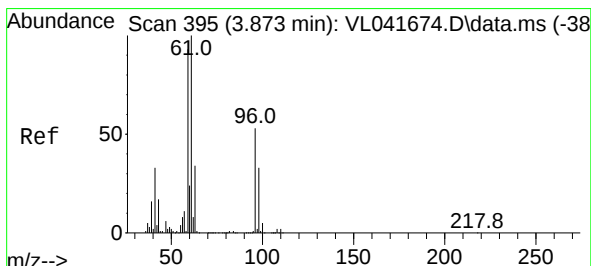
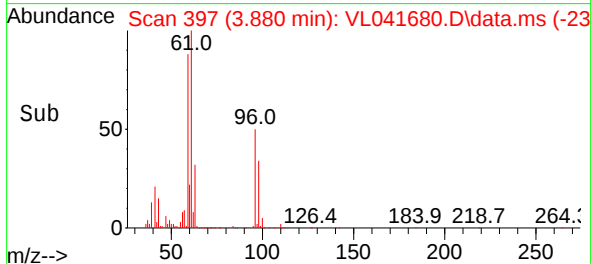
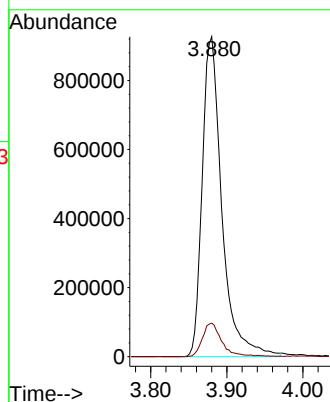
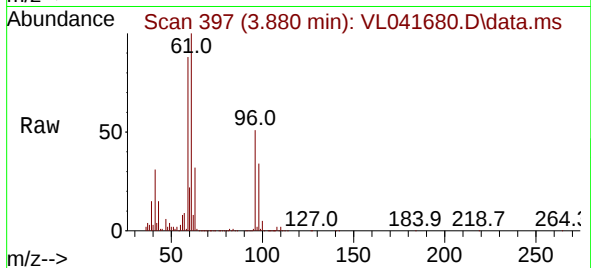




#17
tert-Butyl alcohol
Concen: 13.516 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

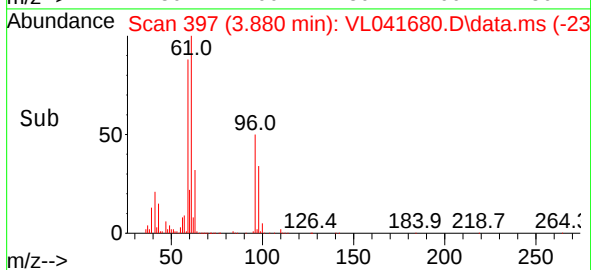
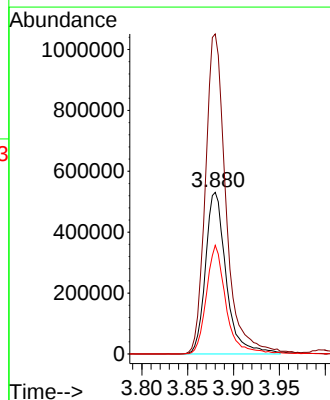
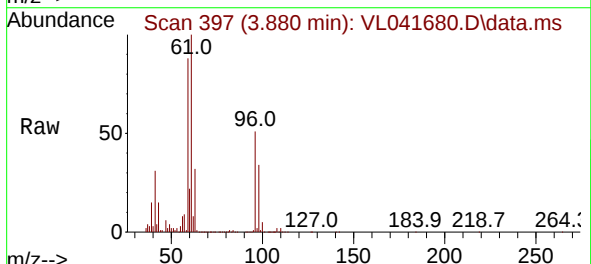
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

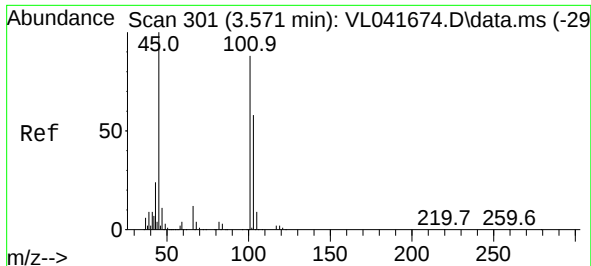
Tgt Ion: 59 Resp: 1663672
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7



#18
1,1-Dichloroethene
Concen: 14.596 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 96 Resp: 834933
Ion Ratio Lower Upper
96 100
61 198.0 150.7 226.1
98 67.2 49.4 74.2





#19

Isopropyl Alcohol

Concen: 13.406 ppbv

RT: 3.575 min Scan# 301

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

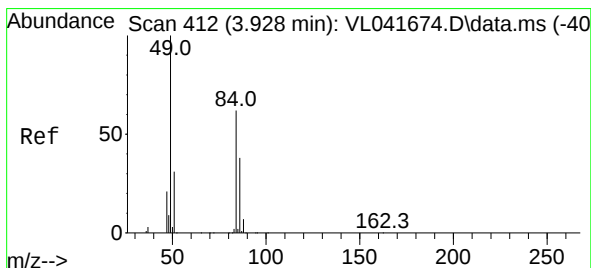
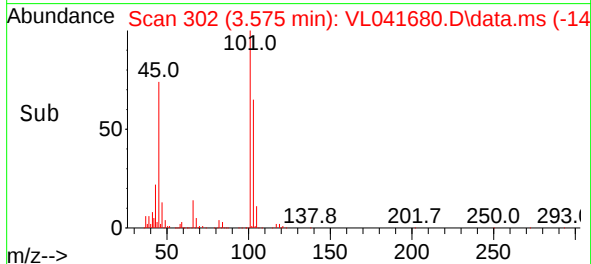
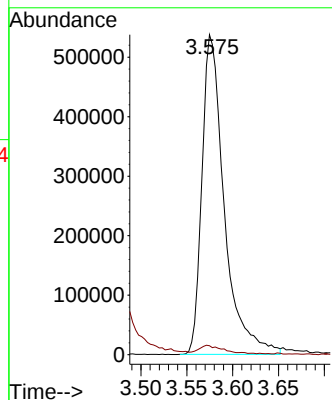
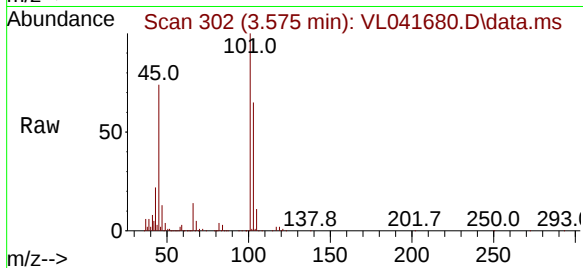
VSTDIC015

Tgt Ion: 45 Resp: 910280

Ion Ratio Lower Upper

45 100

58 3.1 2.5 3.7



#20

Methylene Chloride

Concen: 13.313 ppbv

RT: 3.932 min Scan# 413

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion: 84 Resp: 687212

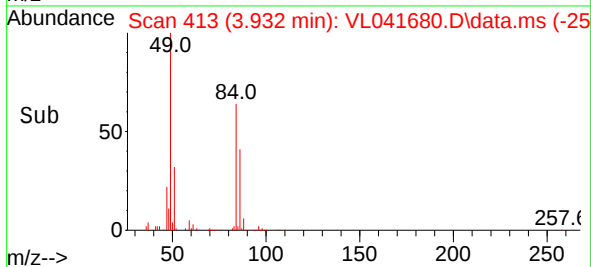
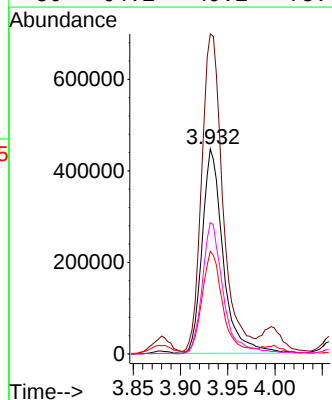
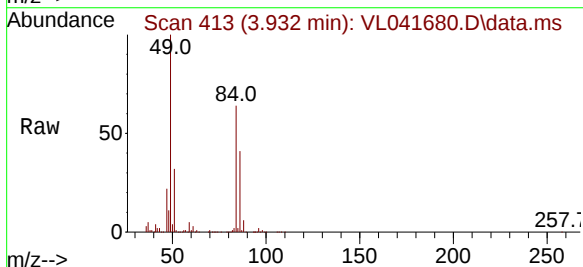
Ion Ratio Lower Upper

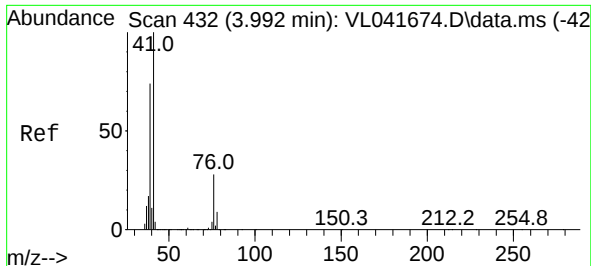
84 100

49 155.1 129.7 194.5

51 48.9 39.8 59.6

86 64.1 49.1 73.7





#21

Allyl Chloride

Concen: 15.194 ppbv

RT: 3.996 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

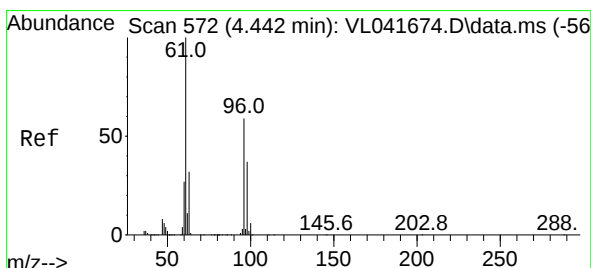
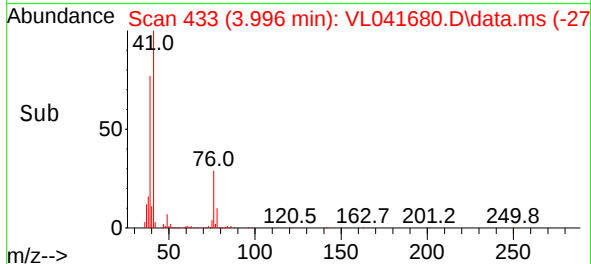
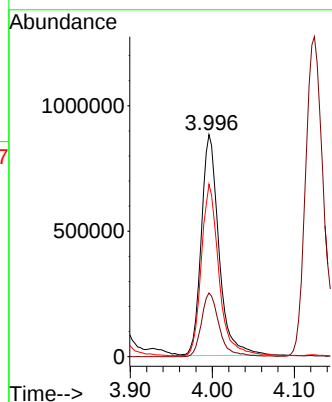
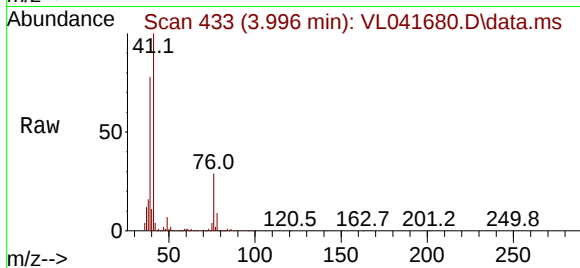
Tgt Ion: 41 Resp: 1317025

Ion Ratio Lower Upper

41 100

76 29.3 23.5 35.3

39 77.7 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 14.755 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

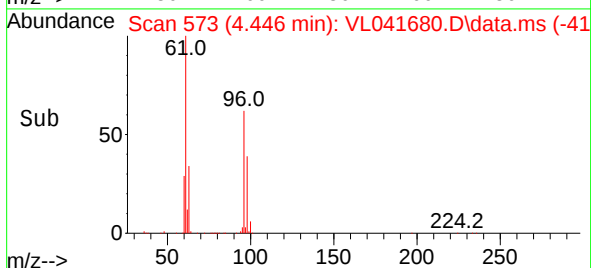
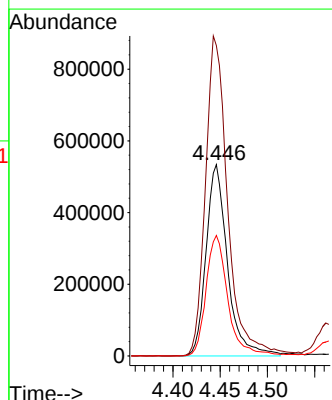
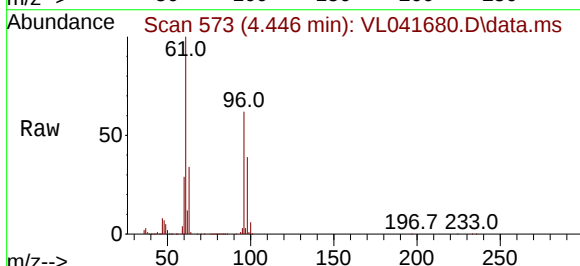
Tgt Ion: 96 Resp: 842095

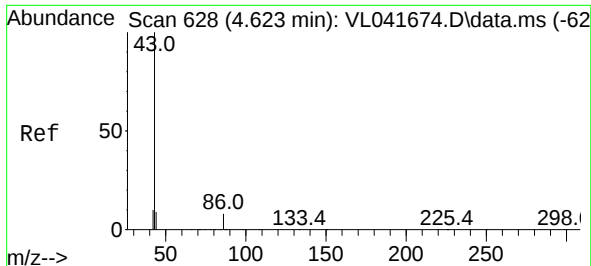
Ion Ratio Lower Upper

96 100

61 162.3 134.5 201.7

98 62.9 49.6 74.4

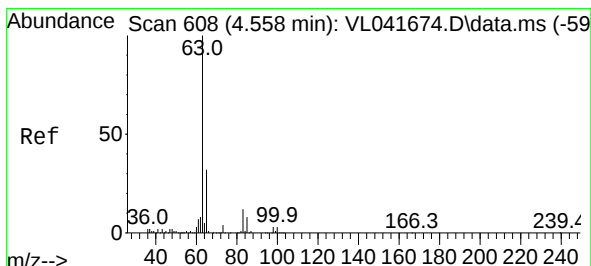
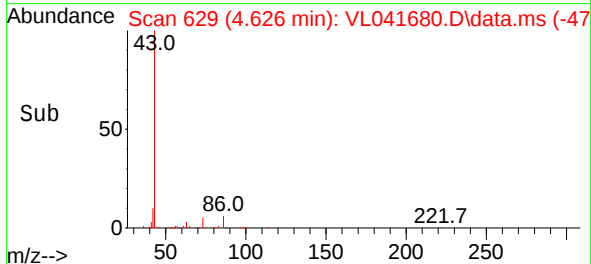
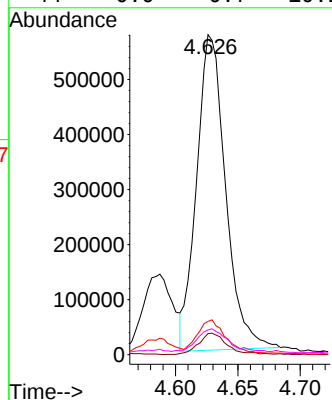
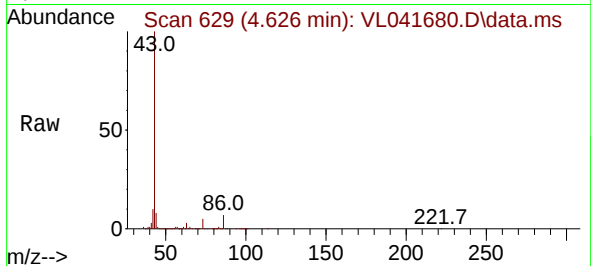




#23
 Vinyl Acetate
 Concen: 14.047 ppbv
 RT: 4.626 min Scan# 610
 Delta R.T. 0.003 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

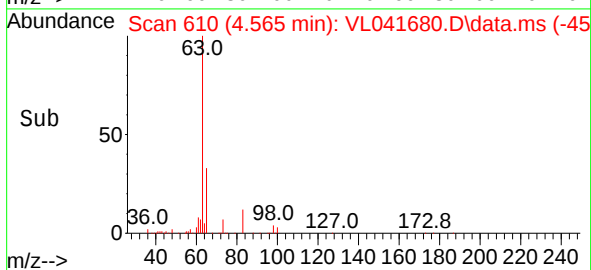
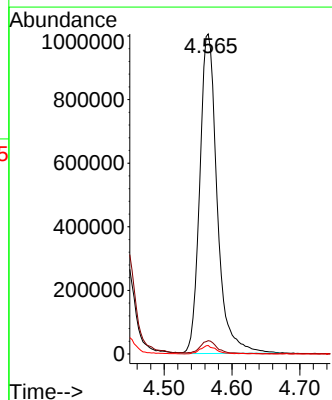
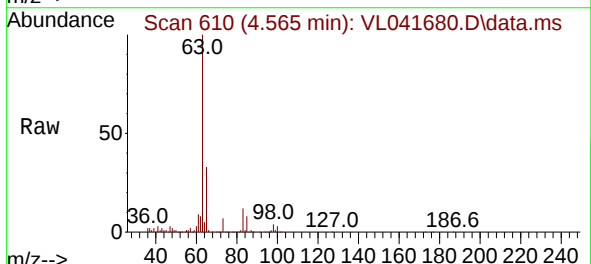
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

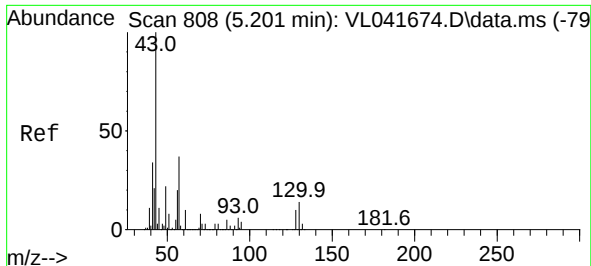
Tgt Ion: 43 Resp: 926796
 Ion Ratio Lower Upper
 43 100
 86 6.4 5.3 7.9
 42 10.1 8.5 12.7
 44 6.9 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 14.103 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.007 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

Tgt Ion: 63 Resp: 1790354
 Ion Ratio Lower Upper
 63 100
 98 4.1 1.8 5.4
 100 2.6 1.4 4.2





#25

Ethyl Acetate

Concen: 14.583 ppbv

RT: 5.205 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 4234322

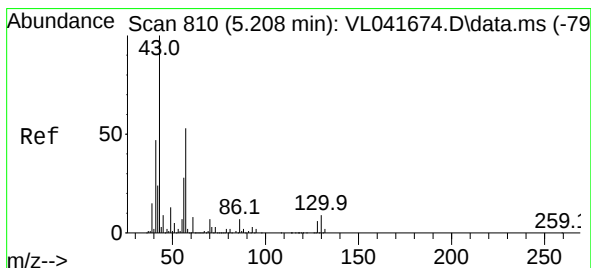
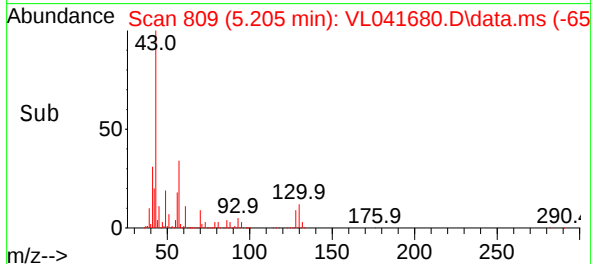
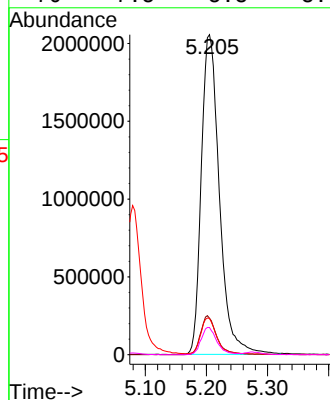
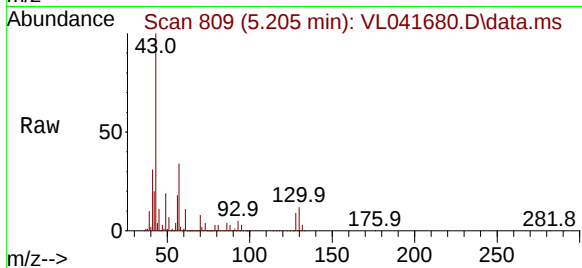
Ion Ratio Lower Upper

43 100

45 10.9 8.6 13.0

61 10.4 8.4 12.6

70 7.5 5.8 8.6



#26

Hexane

Concen: 15.184 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion: 57 Resp: 1693823

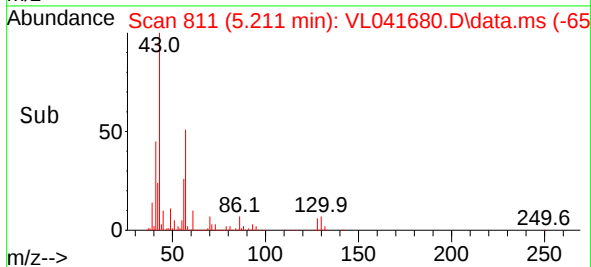
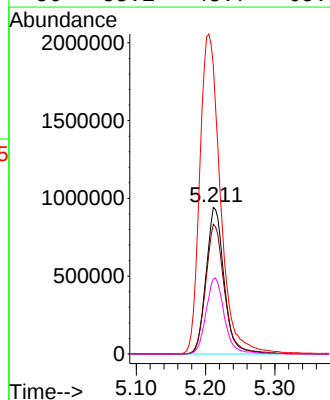
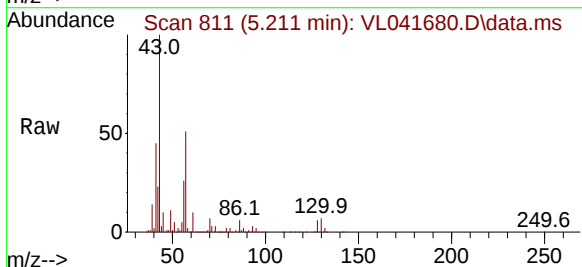
Ion Ratio Lower Upper

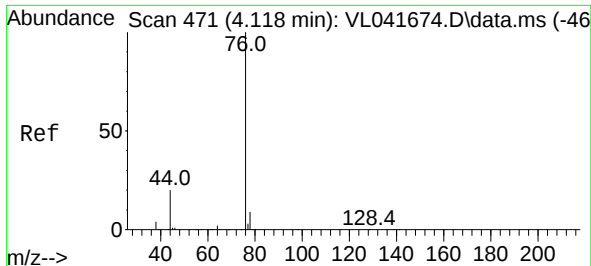
57 100

41 92.5 76.1 114.1

43 250.9 207.0 310.6

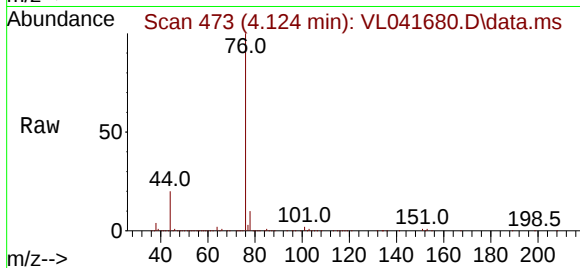
56 53.1 43.7 65.5



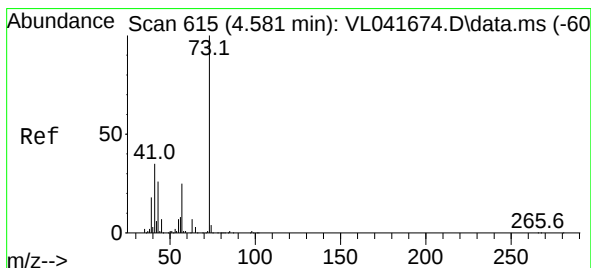
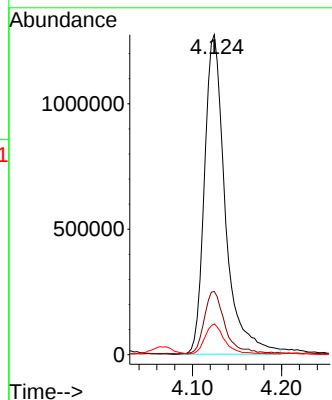
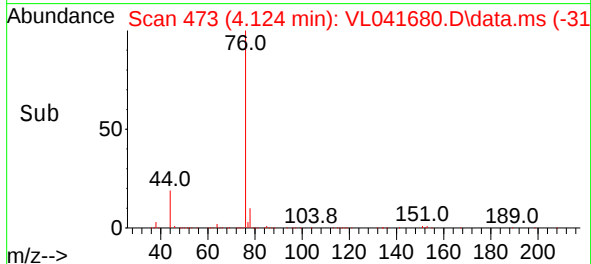


#27
Carbon Disulfide
Concen: 16.531 ppbv
RT: 4.124 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

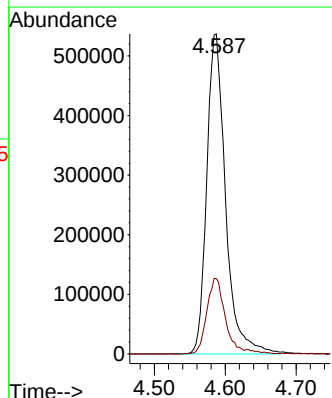
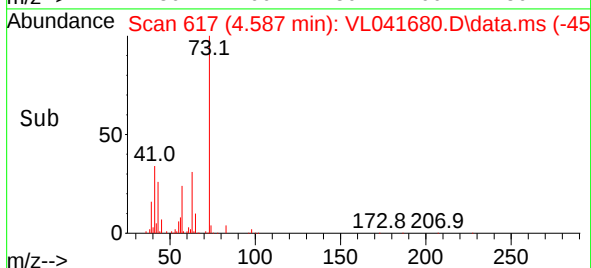
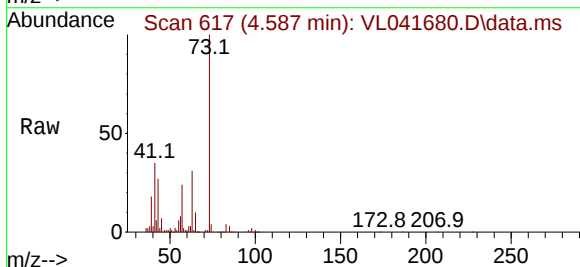


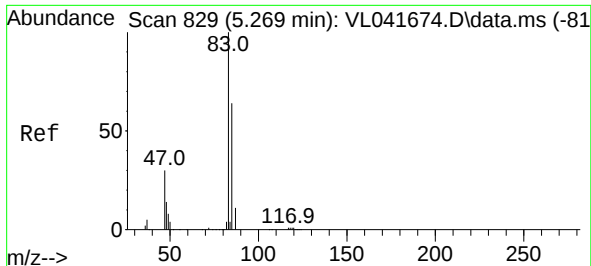
Tgt Ion: 76 Resp: 2071779
Ion Ratio Lower Upper
76 100
44 20.4 15.8 23.8
78 9.5 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 13.764 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 73 Resp: 988726
Ion Ratio Lower Upper
73 100
57 23.9 19.6 29.4





#29

Chloroform

Concen: 14.204 ppbv

RT: 5.276 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

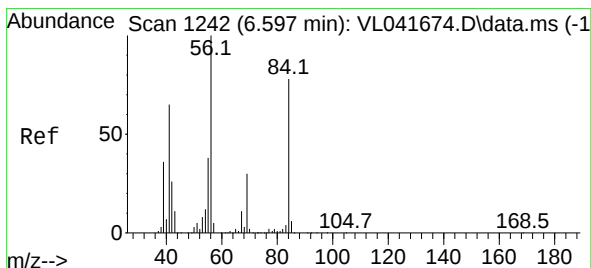
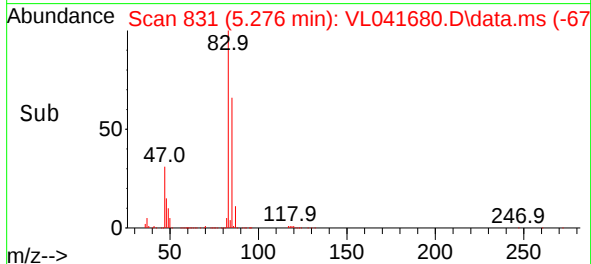
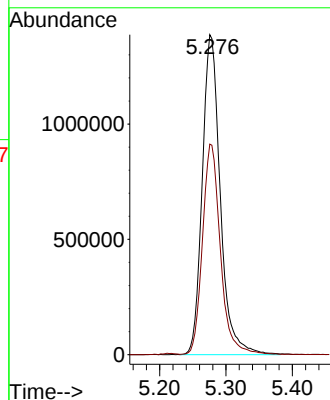
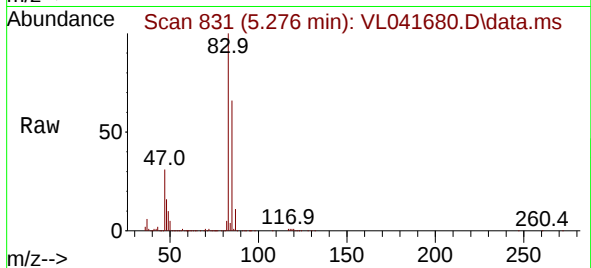
VSTDICC015

Tgt Ion: 83 Resp: 2615593

Ion Ratio Lower Upper

83 100

85 65.7 51.1 76.7



#30

Cyclohexane

Concen: 16.132 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

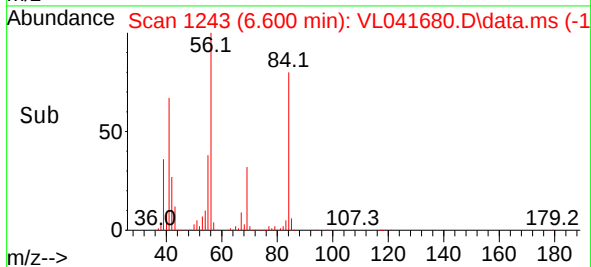
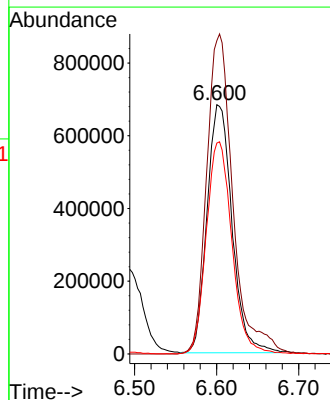
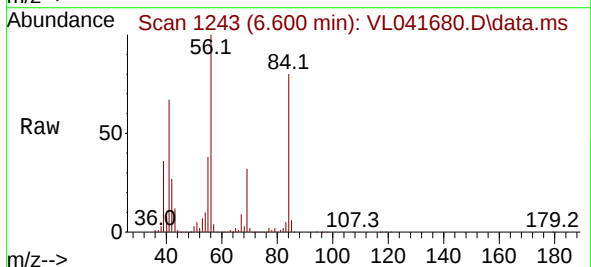
Tgt Ion: 84 Resp: 1445757

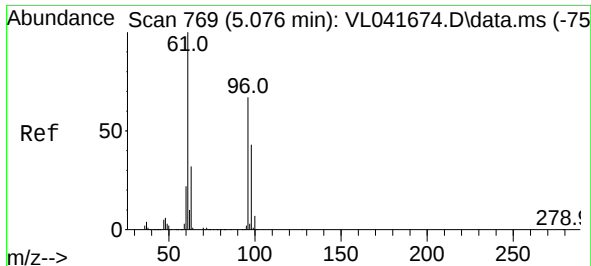
Ion Ratio Lower Upper

84 100

56 135.8 110.8 166.2

41 87.5 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 15.426 ppbv

RT: 5.079 min Scan# 71

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

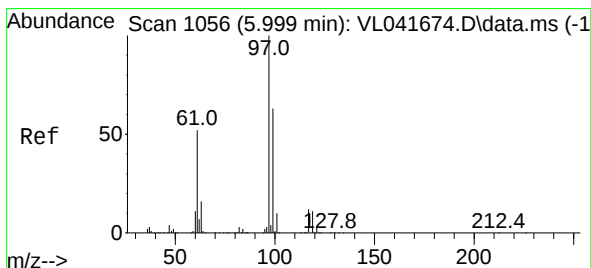
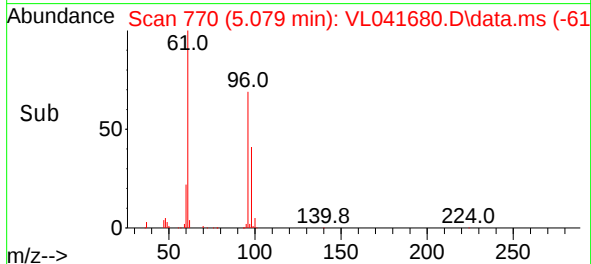
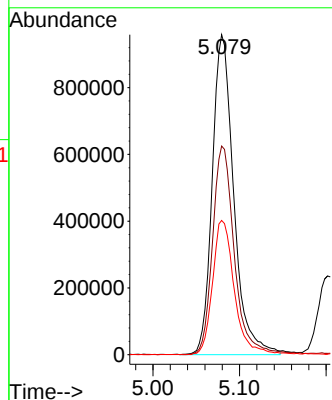
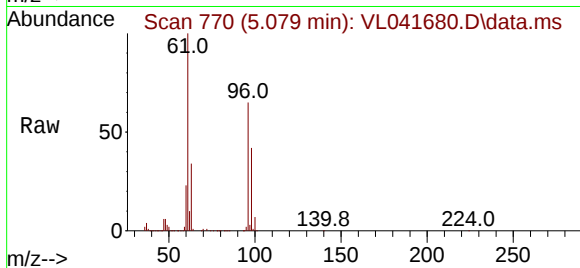
Tgt Ion: 61 Resp: 1655410

Ion Ratio Lower Upper

61 100

96 65.1 53.4 80.2

98 41.9 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 15.262 ppbv

RT: 6.005 min Scan# 1058

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

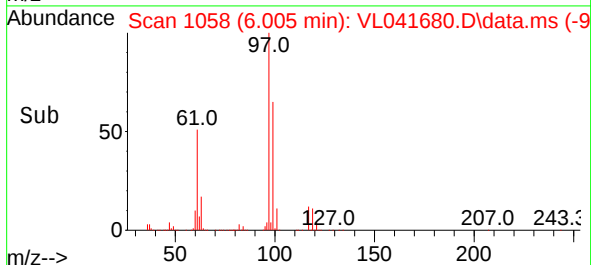
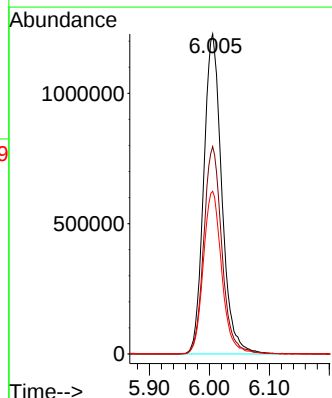
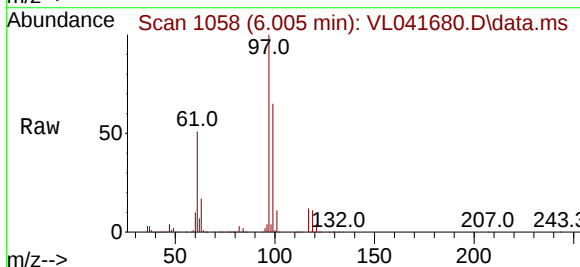
Tgt Ion: 97 Resp: 2576420

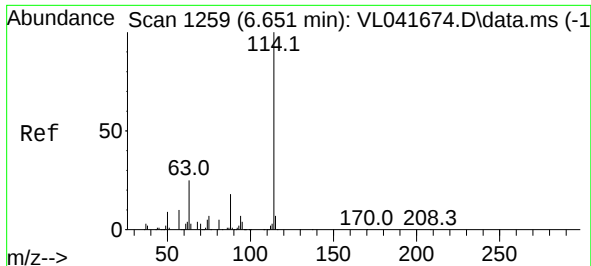
Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.2

61 51.8 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

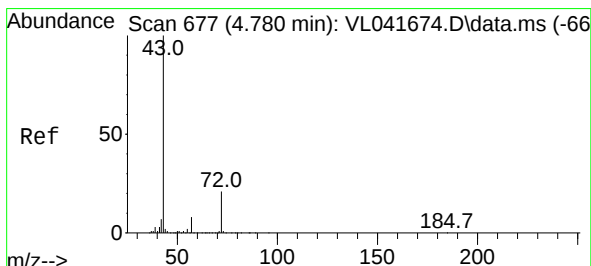
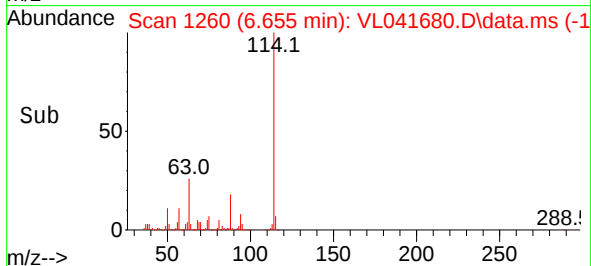
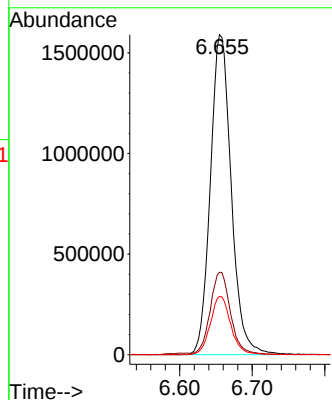
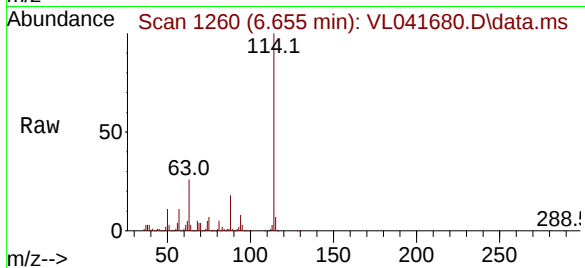
Tgt Ion:114 Resp: 3182548

Ion Ratio Lower Upper

114 100

63 25.7 20.3 30.5

88 17.9 14.2 21.4



#34

2-Butanone

Concen: 15.033 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.007 min

Lab File: VL041680.D

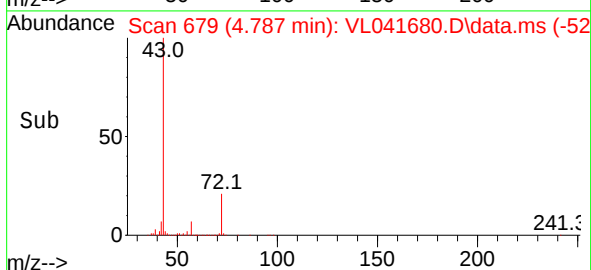
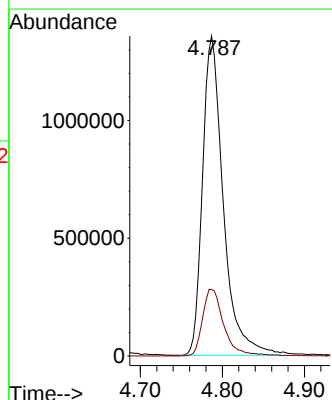
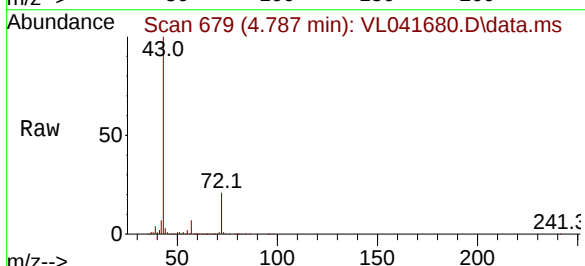
Acq: 7 Nov 2024 14:12

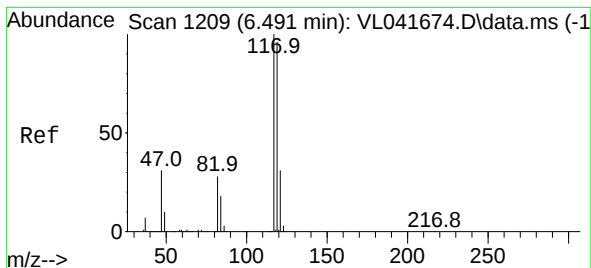
Tgt Ion: 43 Resp: 2382292

Ion Ratio Lower Upper

43 100

72 21.6 17.4 26.0





#35

Carbon Tetrachloride

Concen: 16.220 ppbv

RT: 6.497 min Scan# 117

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

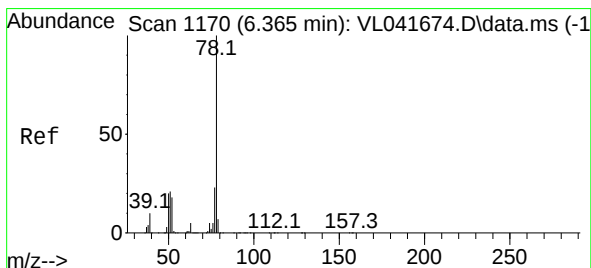
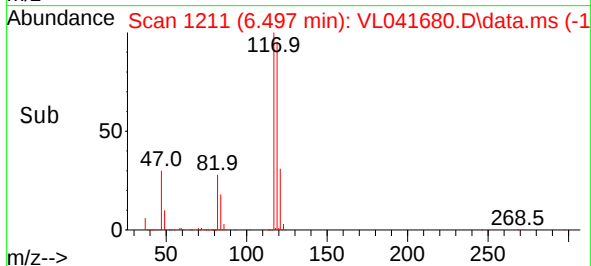
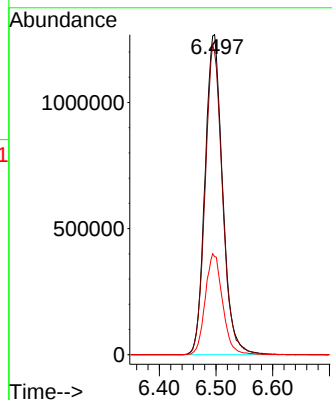
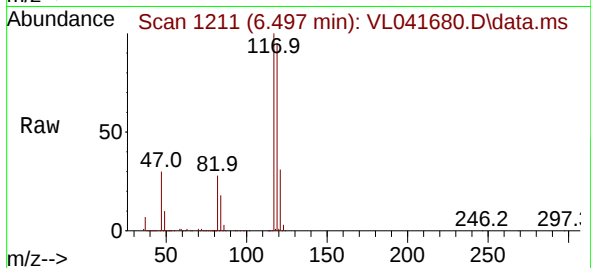
MSVOA_1

ClientSampleId :

VSTDIC015

Tgt Ion:117 Resp: 2728914

Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.2	115.8
121	30.7	25.0	37.4



#36

Benzene

Concen: 15.182 ppbv

RT: 6.372 min Scan# 1172

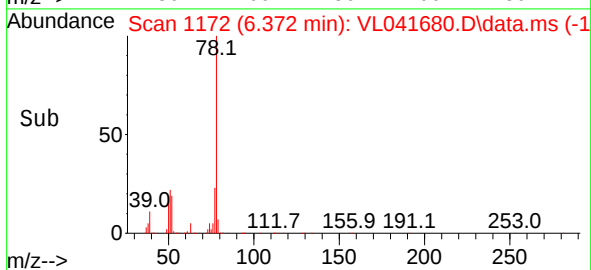
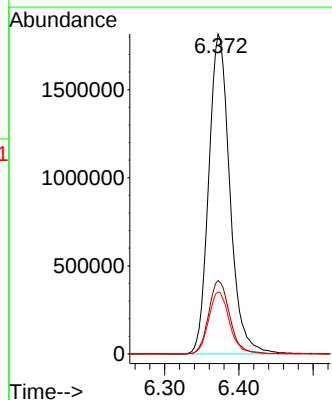
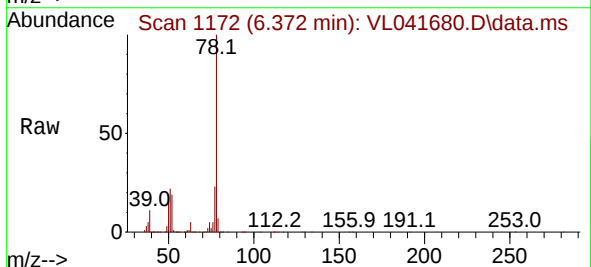
Delta R.T. 0.007 min

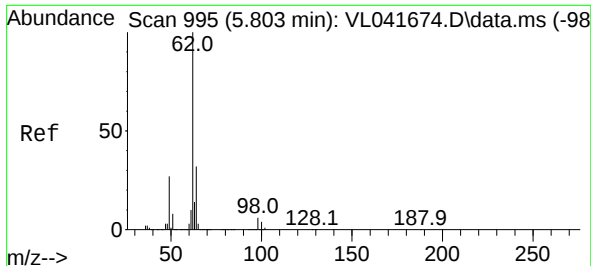
Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion: 78 Resp: 3579956

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.5	27.7
50	19.4	15.6	23.4

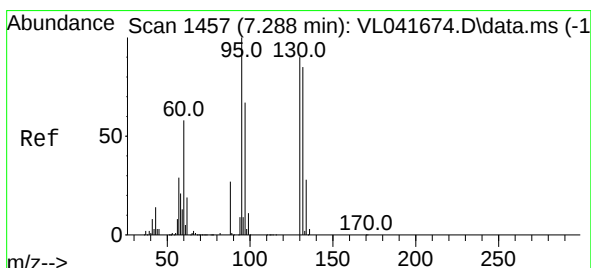
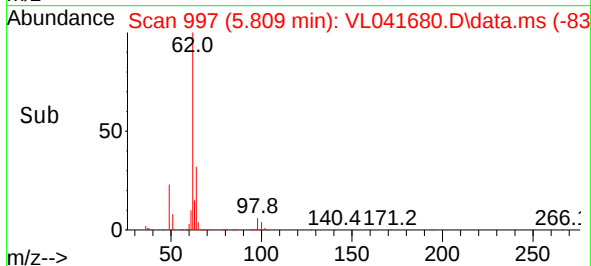
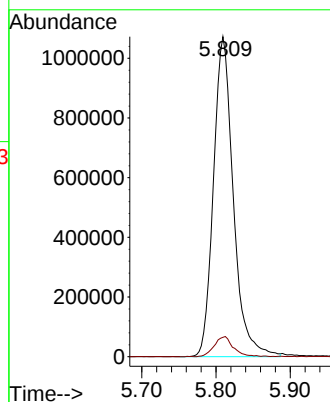
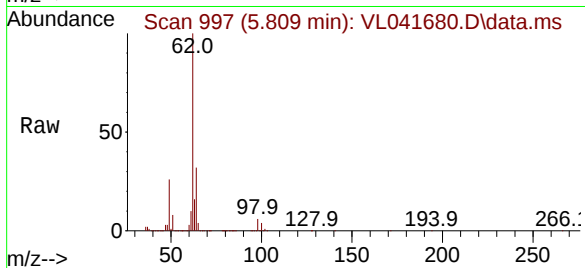




#37
1,2-Dichloroethane
Concen: 14.978 ppbv
RT: 5.809 min Scan# 995
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

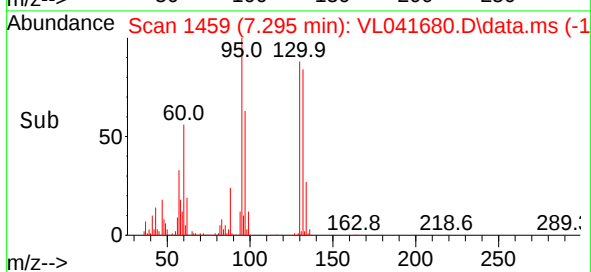
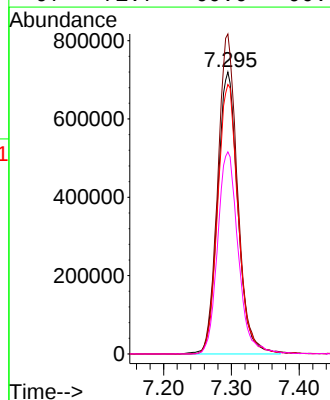
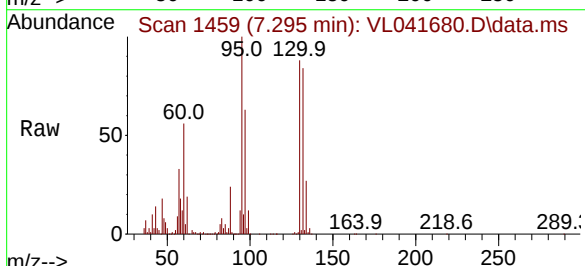
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

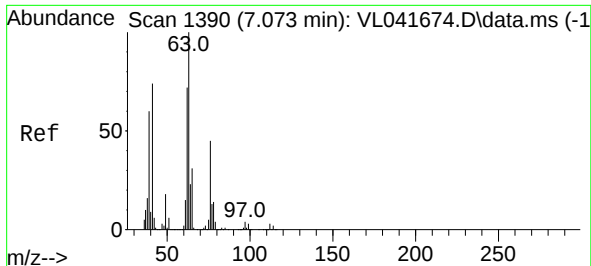
Tgt Ion: 62 Resp: 1992504
Ion Ratio Lower Upper
62 100
98 6.2 5.2 7.8



#38
Trichloroethene
Concen: 16.410 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion:130 Resp: 1492186
Ion Ratio Lower Upper
130 100
95 113.5 89.1 133.7
132 95.6 75.7 113.5
97 71.7 60.0 90.0





#39

1,2-Dichloropropane

Concen: 15.081 ppbv

RT: 7.076 min Scan# 1405

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

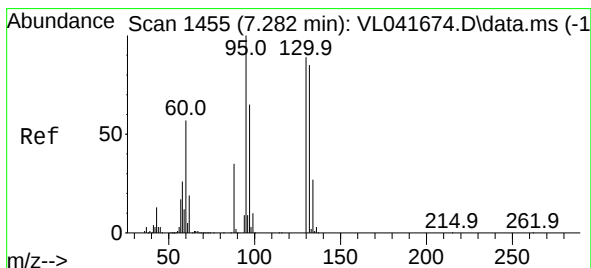
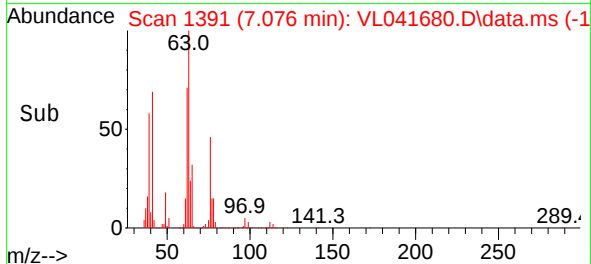
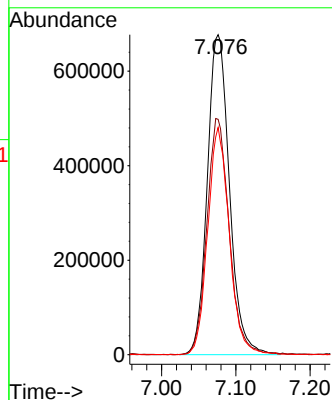
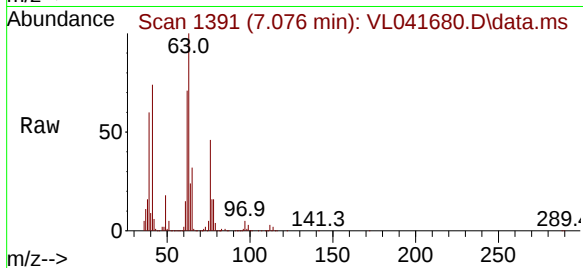
Tgt Ion: 63 Resp: 1405373

Ion Ratio Lower Upper

63 100

41 73.5 59.1 88.7

62 70.9 57.7 86.5



#40

1,4-Dioxane

Concen: 16.521 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion: 88 Resp: 545340

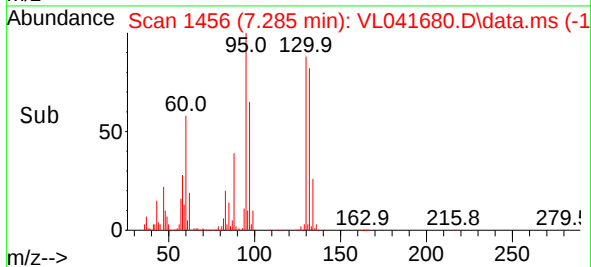
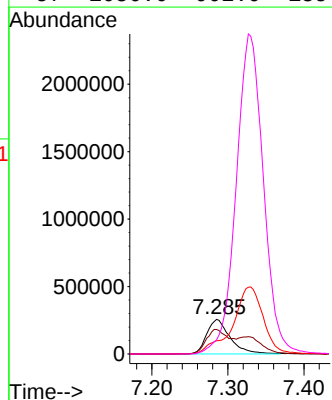
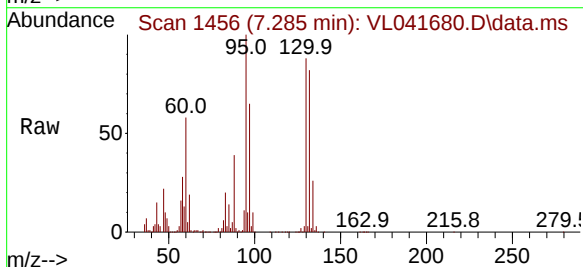
Ion Ratio Lower Upper

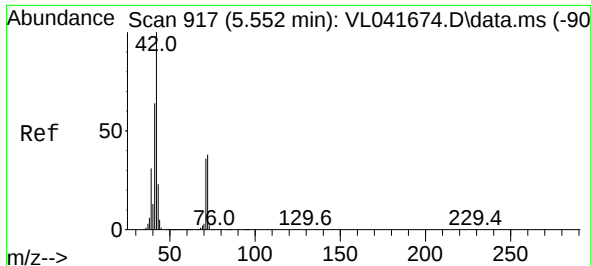
88 100

58 122.1 101.4 152.2

43 254.6 208.0 312.0

57 1086.0 902.9 1354.3





#41

Tetrahydrofuran

Concen: 16.040 ppbv

RT: 5.555 min Scan# 917

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

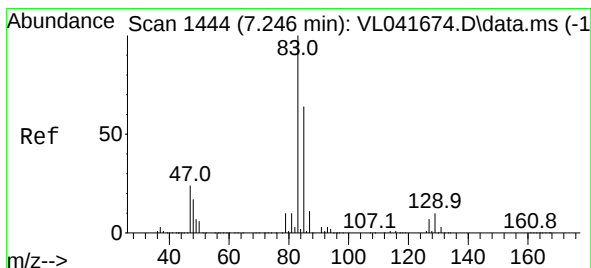
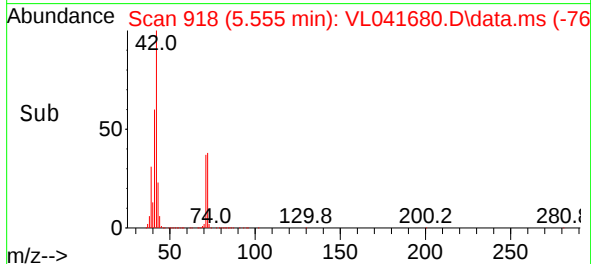
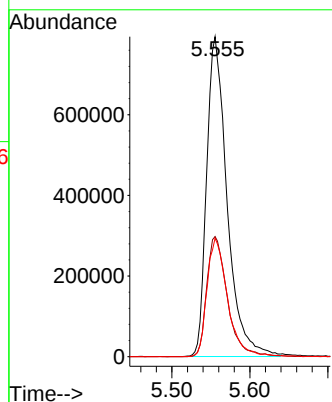
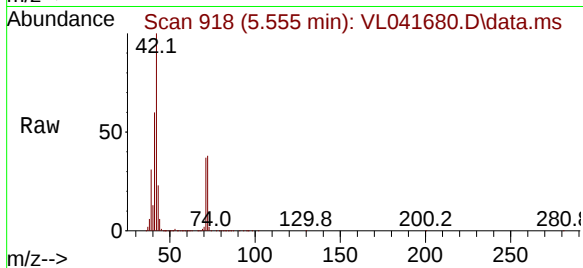
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 1449986

Ion	Ratio	Lower	Upper
42	100		
72	38.0	29.8	44.6
71	37.3	29.4	44.2



#42

Bromodichloromethane

Concen: 15.522 ppbv

RT: 7.253 min Scan# 1446

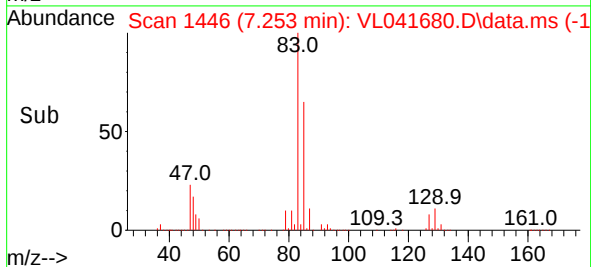
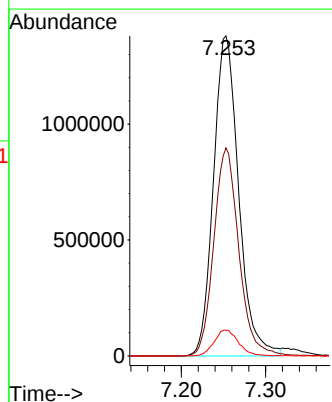
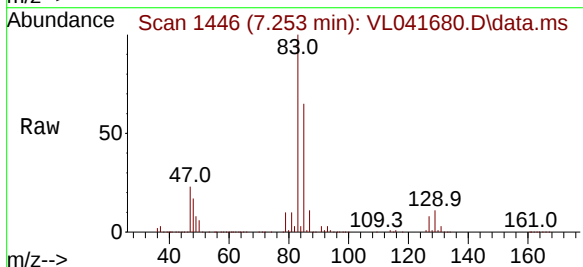
Delta R.T. 0.007 min

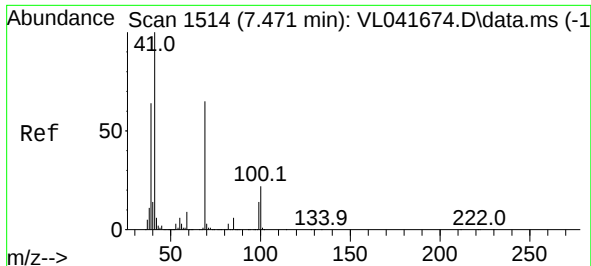
Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion: 83 Resp: 2869440

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.2	76.8
127	8.0	6.0	9.0





#43

Methyl Methacrylate

Concen: 17.388 ppbv

RT: 7.475 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

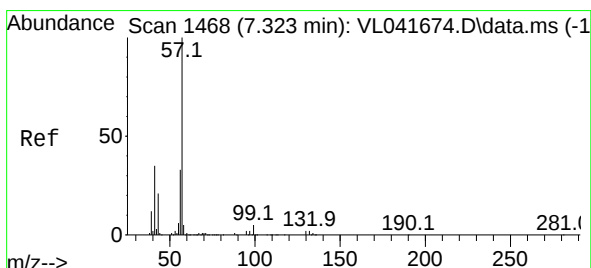
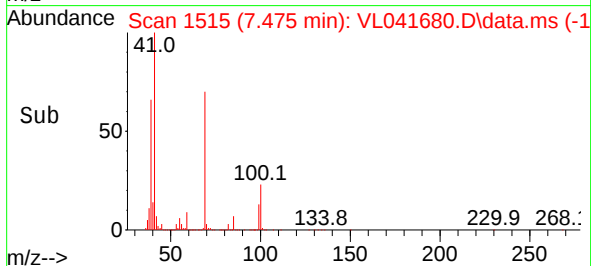
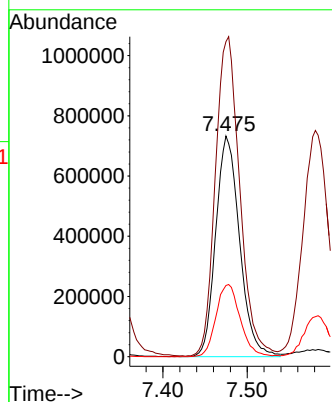
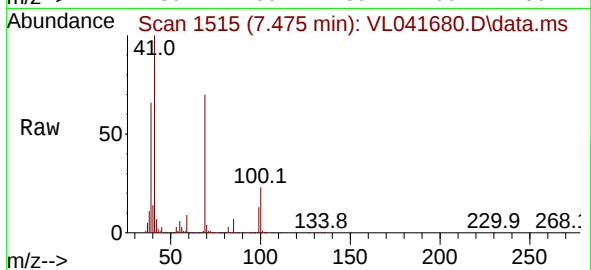
Tgt Ion: 69 Resp: 1439612

Ion Ratio Lower Upper

69 100

41 148.6 119.8 179.6

100 33.3 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 14.828 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

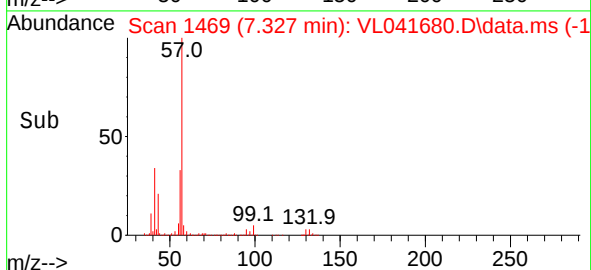
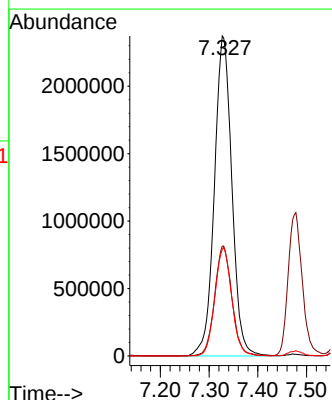
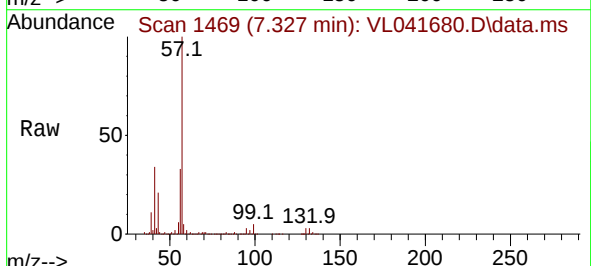
Tgt Ion: 57 Resp: 5922866

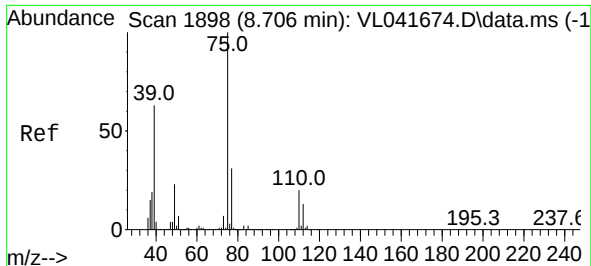
Ion Ratio Lower Upper

57 100

41 33.8 27.0 40.6

56 32.7 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 19.850 ppbv

RT: 8.713 min Scan# 1898

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

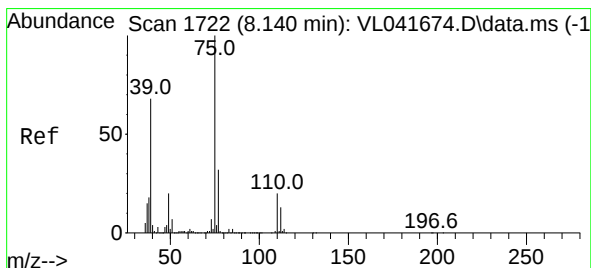
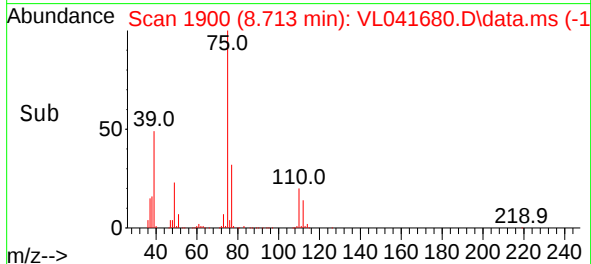
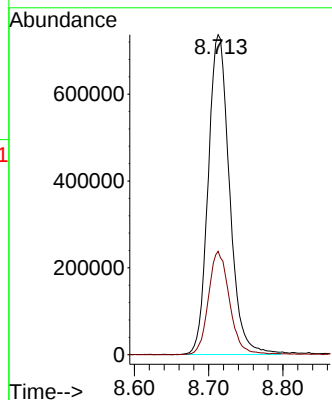
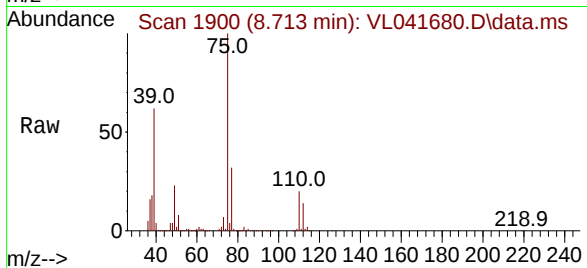
VSTDIC015

Tgt Ion: 75 Resp: 1469151

Ion Ratio Lower Upper

75 100

77 32.3 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 18.259 ppbv

RT: 8.144 min Scan# 1723

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

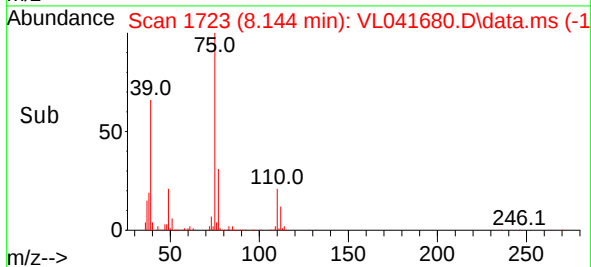
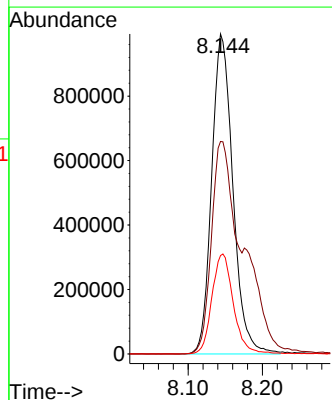
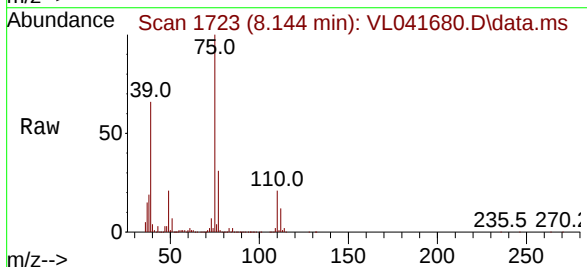
Tgt Ion: 75 Resp: 1964082

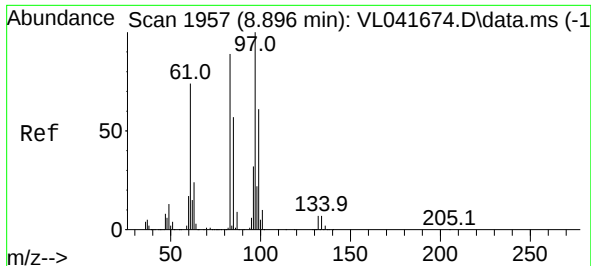
Ion Ratio Lower Upper

75 100

39 66.4 54.1 81.1

77 30.7 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 14.895 ppbv

RT: 8.902 min Scan# 1957

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1496508

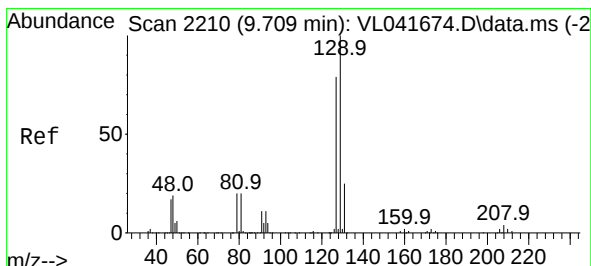
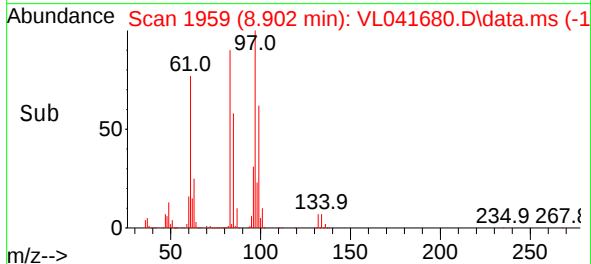
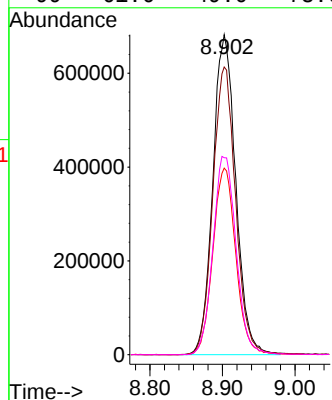
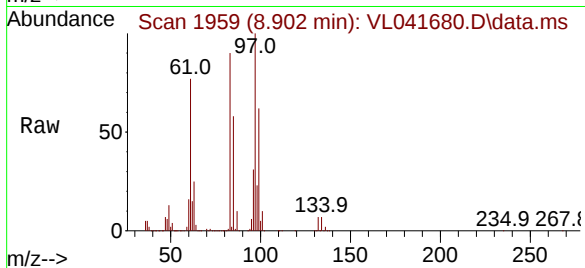
Ion Ratio Lower Upper

97 100

83 89.9 71.0 106.6

85 58.3 45.4 68.2

99 61.6 49.0 73.6



#48

Dibromochloromethane

Concen: 16.444 ppbv

RT: 9.713 min Scan# 2211

Delta R.T. 0.003 min

Lab File: VL041680.D

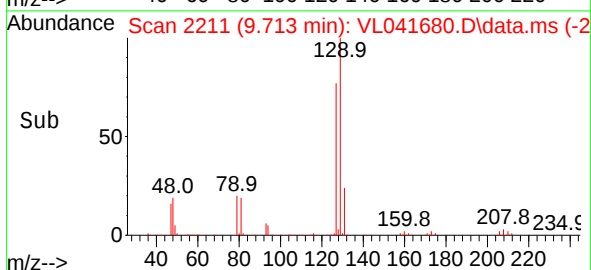
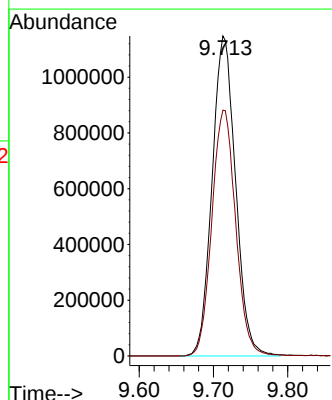
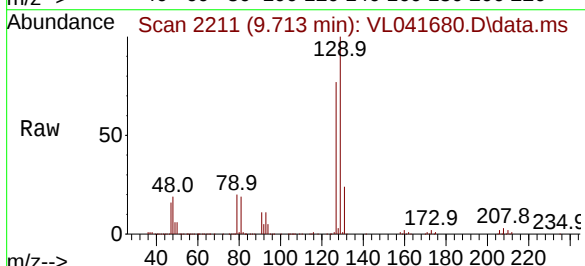
Acq: 7 Nov 2024 14:12

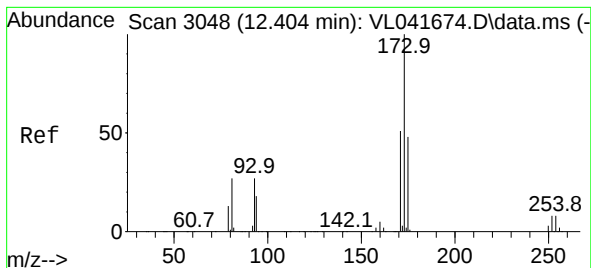
Tgt Ion: 129 Resp: 2521147

Ion Ratio Lower Upper

129 100

127 78.0 39.1 117.2





#49

Bromoform

Concen: 17.318 ppbv

RT: 12.413 min Scan# 3048

Delta R.T. 0.010 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

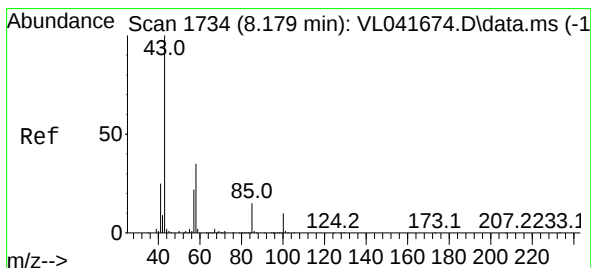
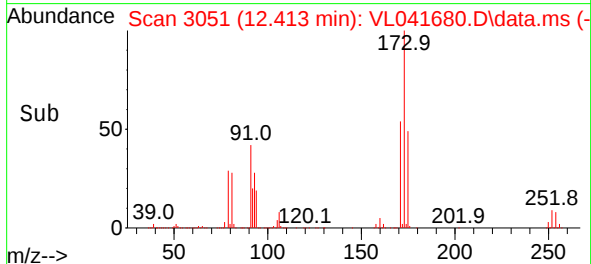
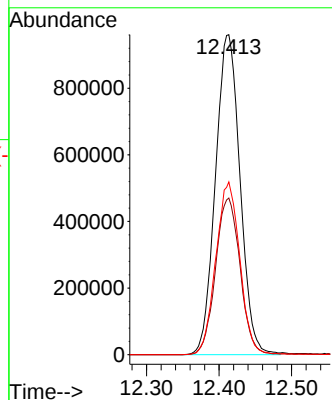
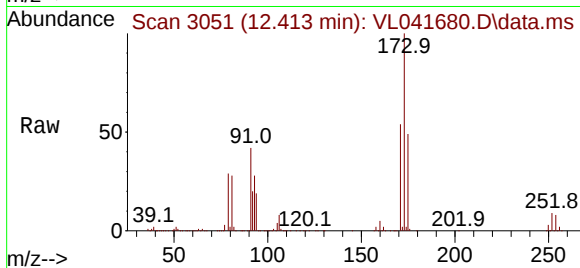
Tgt Ion:173 Resp: 2265132

Ion Ratio Lower Upper

173 100

175 49.1 39.2 58.8

171 52.8 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 15.919 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.003 min

Lab File: VL041680.D

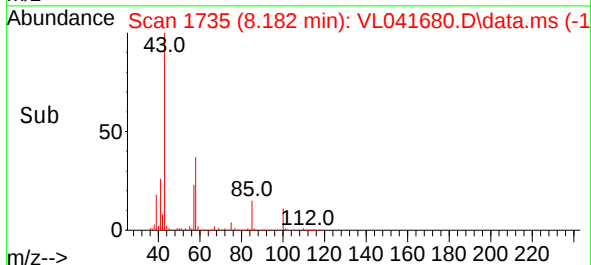
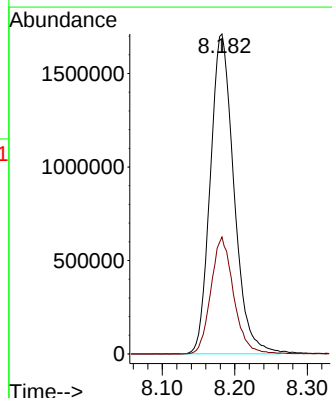
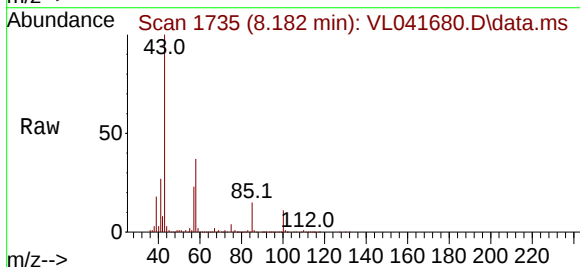
Acq: 7 Nov 2024 14:12

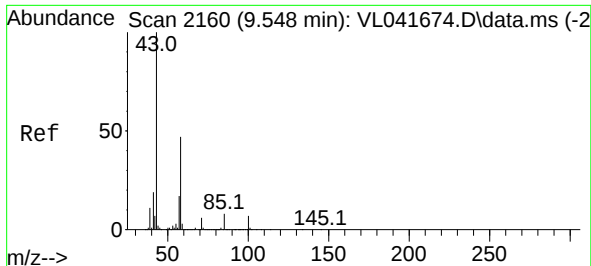
Tgt Ion: 43 Resp: 3873850

Ion Ratio Lower Upper

43 100

58 35.3 27.7 41.5

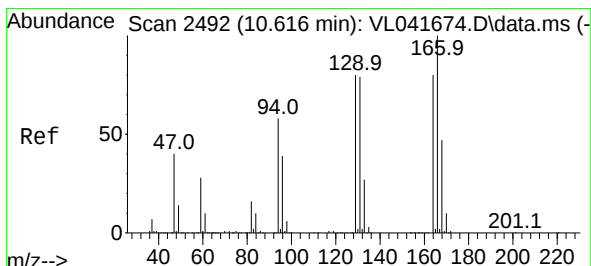
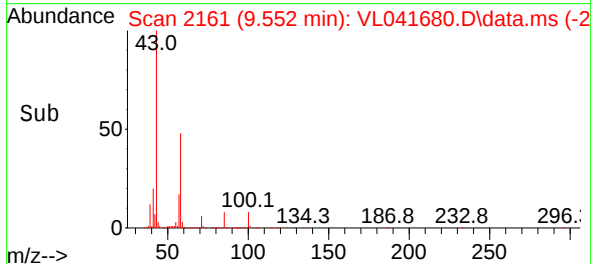
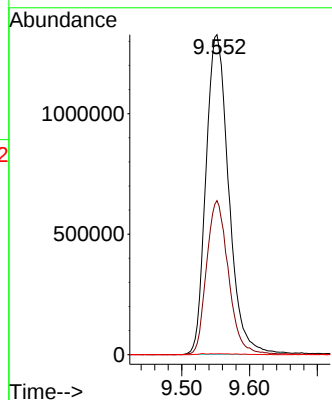
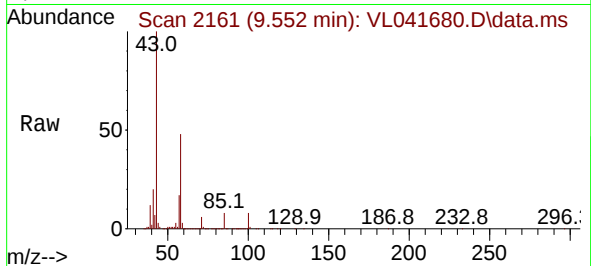




#51
2-Hexanone
Concen: 17.512 ppbv
RT: 9.552 min Scan# 2161
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

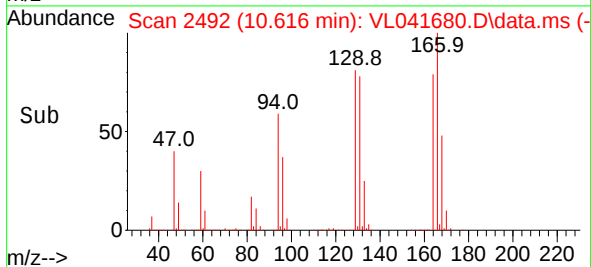
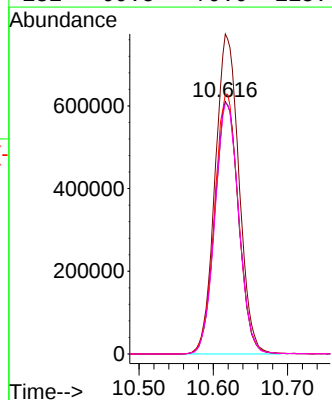
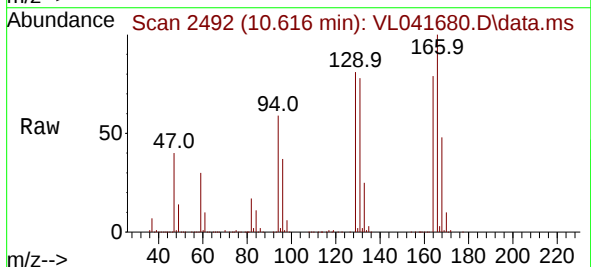
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

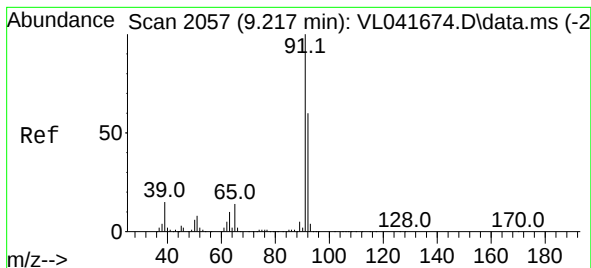
Tgt Ion: 43 Resp: 3096656
Ion Ratio Lower Upper
43 100
58 46.8 37.0 55.6
98 0.5 0.6 0.8#



#52
Tetrachloroethene
Concen: 16.900 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.000 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion:164 Resp: 1362327
Ion Ratio Lower Upper
164 100
166 126.8 100.2 150.4
129 102.9 79.7 119.5
131 99.5 79.0 118.4





#53

Toluene

Concen: 16.909 ppbv

RT: 9.224 min Scan# 2057

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

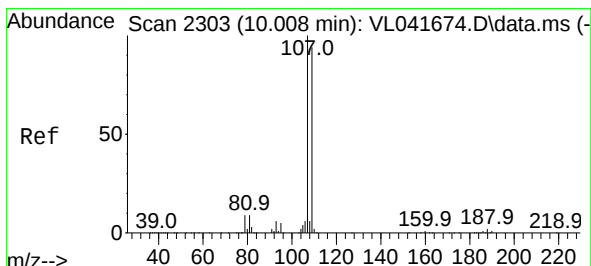
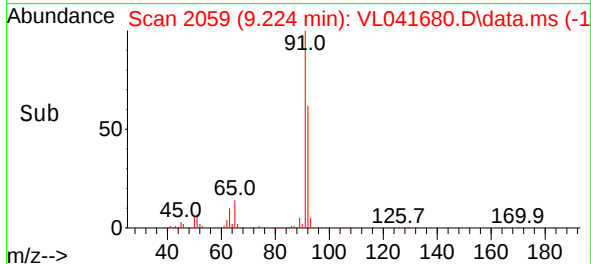
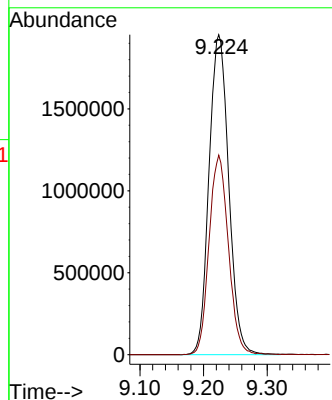
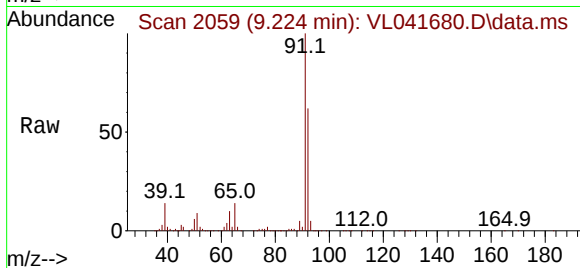
VSTDIC015

Tgt Ion: 91 Resp: 4192947

Ion Ratio Lower Upper

91 100

92 61.3 49.0 73.4



#54

1,2-Dibromoethane

Concen: 17.451 ppbv

RT: 10.012 min Scan# 2304

Delta R.T. 0.003 min

Lab File: VL041680.D

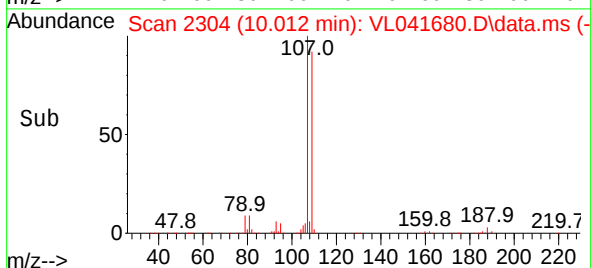
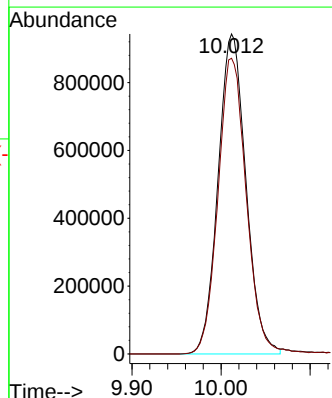
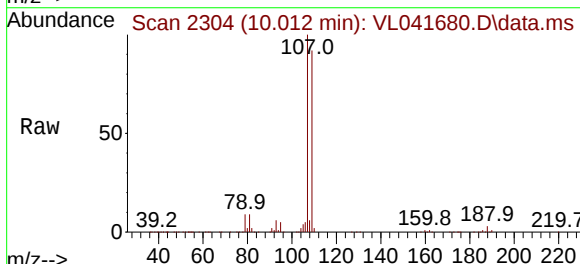
Acq: 7 Nov 2024 14:12

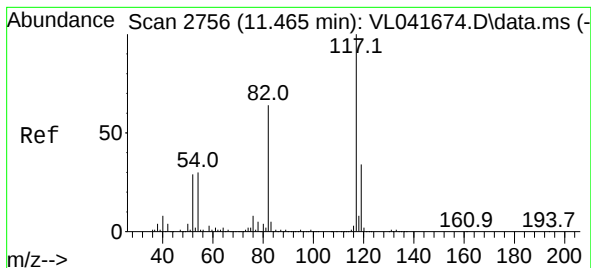
Tgt Ion:107 Resp: 2047188

Ion Ratio Lower Upper

107 100

109 92.4 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

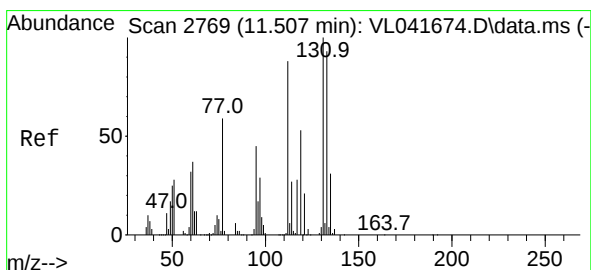
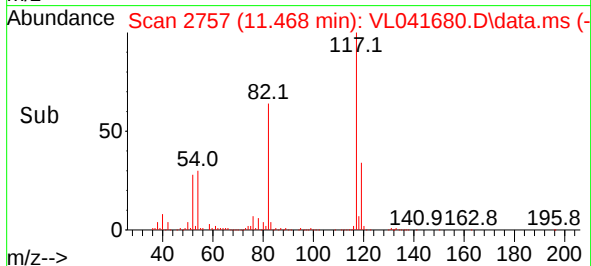
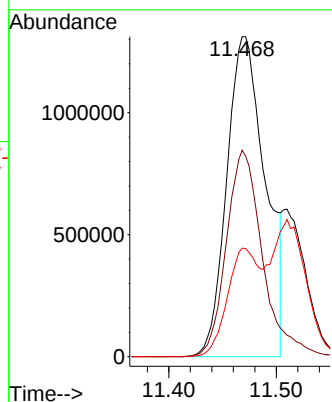
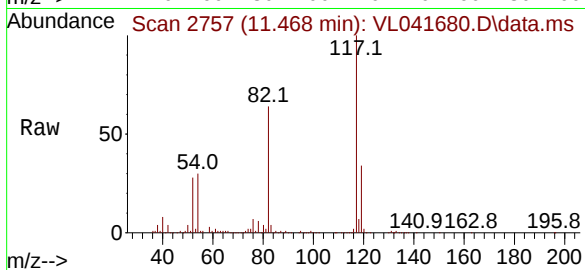
Tgt Ion:117 Resp: 3271350

Ion Ratio Lower Upper

117 100

82 60.9 49.8 74.8

119 30.7 24.2 36.4



#56

1,1,1,2-Tetrachloroethane

Concen: 13.588 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

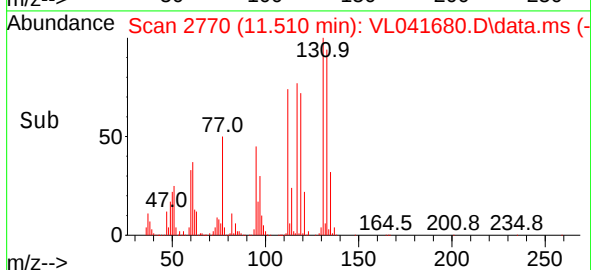
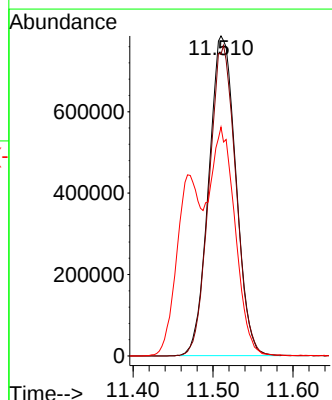
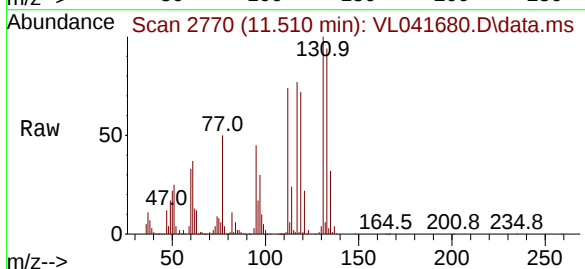
Tgt Ion:131 Resp: 1851127

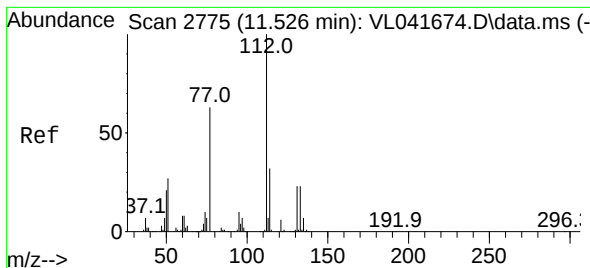
Ion Ratio Lower Upper

131 100

133 96.3 76.5 114.7

119 64.4 49.8 74.8

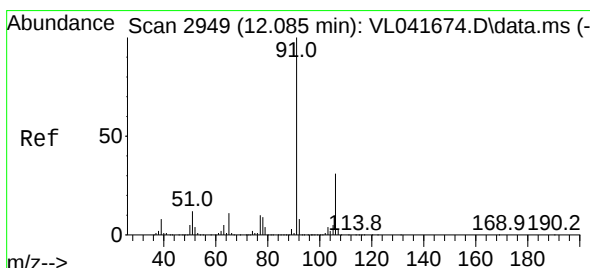
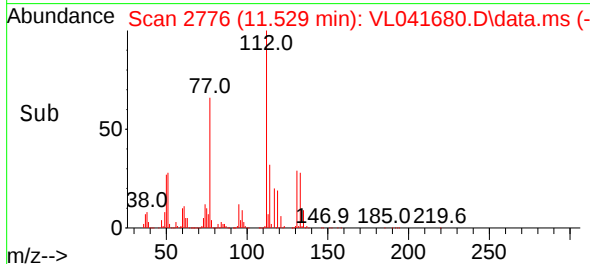
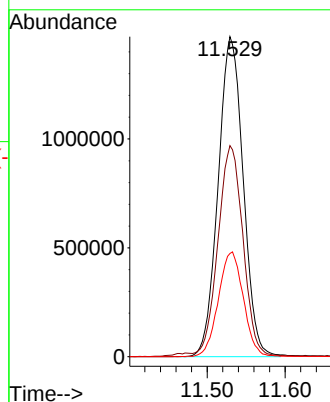
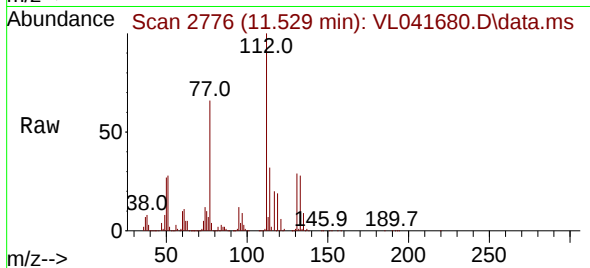




#57
Chlorobenzene
Concen: 13.453 ppbv
RT: 11.529 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

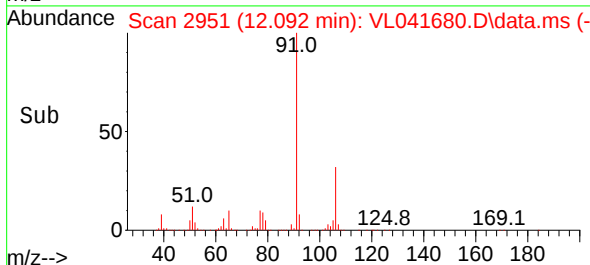
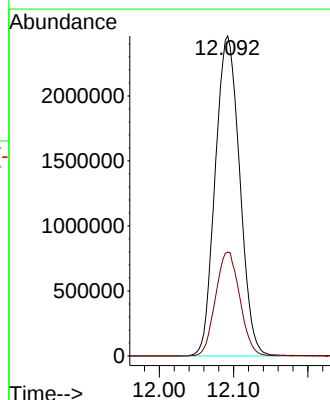
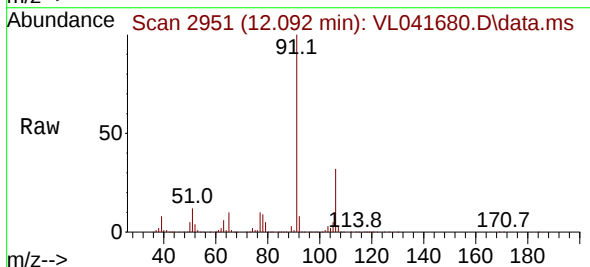
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

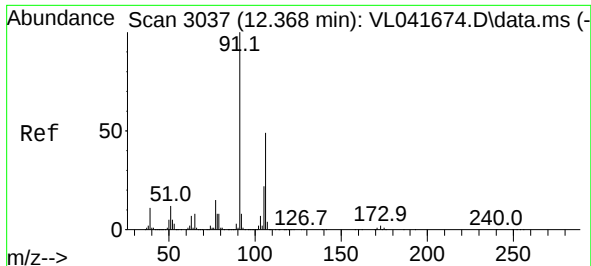
Tgt Ion:112 Resp: 3280487
Ion Ratio Lower Upper
112 100
77 65.6 51.4 77.2
114 32.2 28.4 34.8



#58
Ethyl Benzene
Concen: 15.550 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 91 Resp: 5635176
Ion Ratio Lower Upper
91 100
106 32.5 24.9 37.3





#59

m/p-Xylene

Concen: 16.857 ppbv

RT: 12.372 min Scan# 3037

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

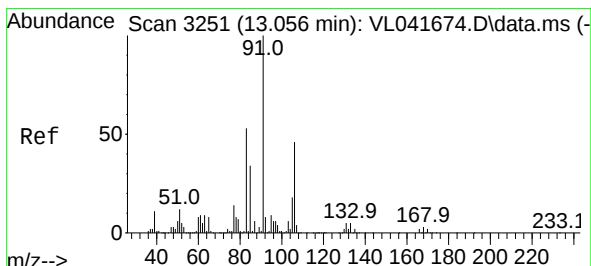
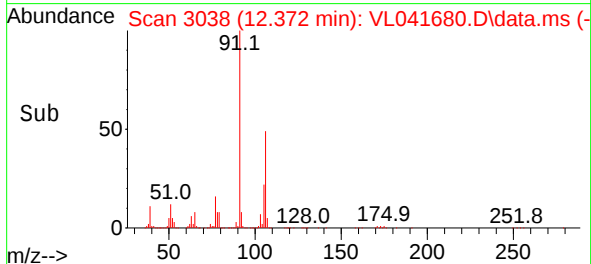
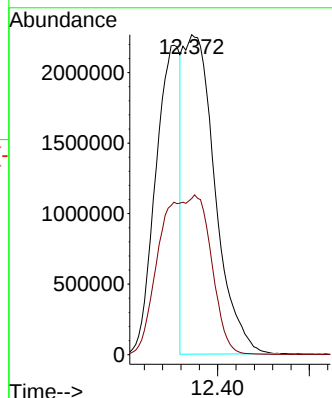
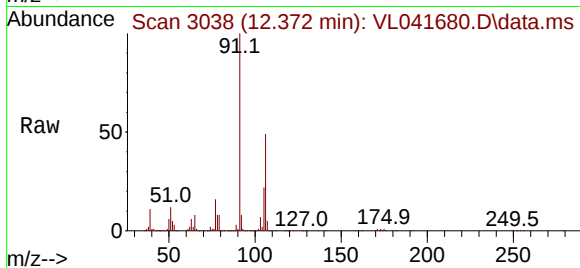
VSTDIC015

Tgt Ion: 91 Resp: 5464666

Ion Ratio Lower Upper

91 100

106 80.8 36.9 55.3#



#60

o-Xylene

Concen: 14.859 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.007 min

Lab File: VL041680.D

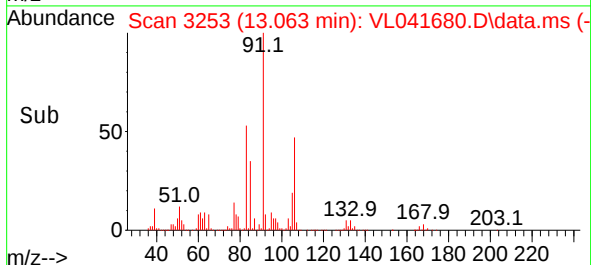
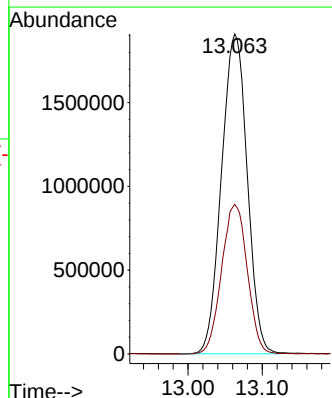
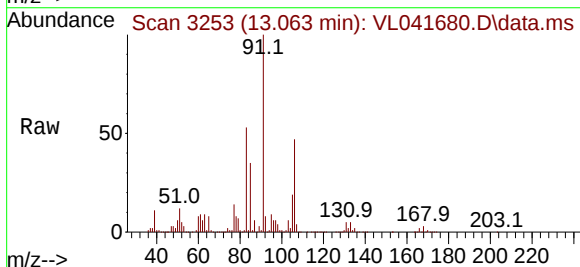
Acq: 7 Nov 2024 14:12

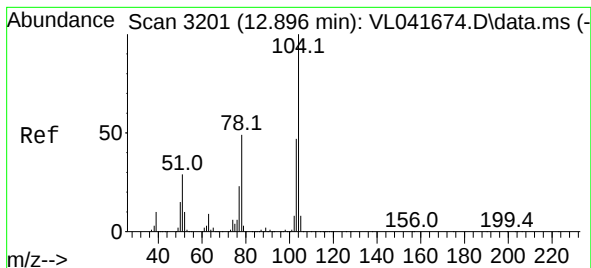
Tgt Ion: 91 Resp: 4598783

Ion Ratio Lower Upper

91 100

106 46.7 23.2 69.6





#61

Styrene

Concen: 18.233 ppbv

RT: 12.902 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

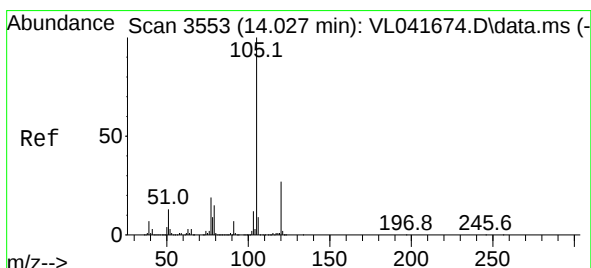
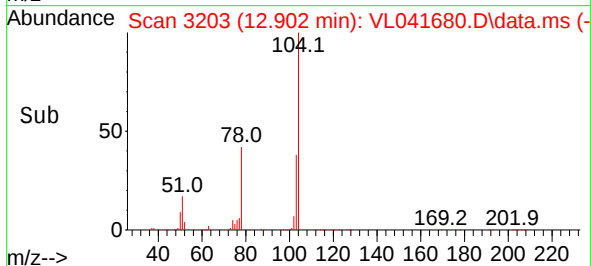
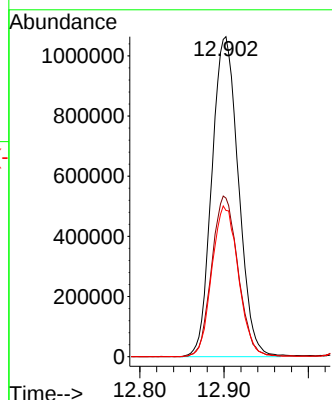
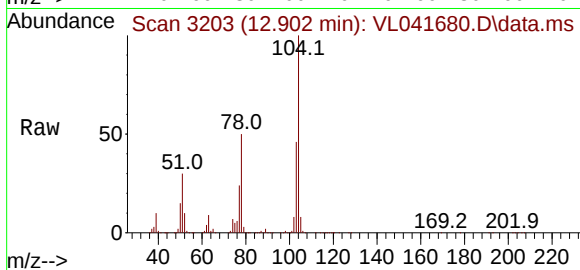
Tgt Ion:104 Resp: 2329096

Ion Ratio Lower Upper

104 100

78 50.0 39.8 59.8

103 47.1 37.4 56.0



#62

Isopropylbenzene

Concen: 14.169 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.003 min

Lab File: VL041680.D

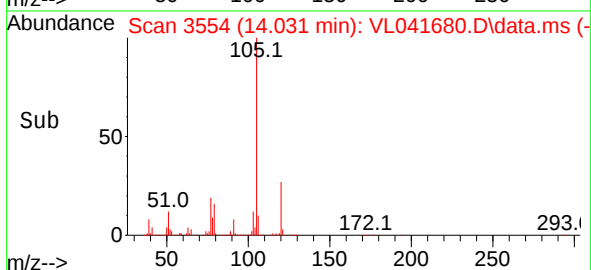
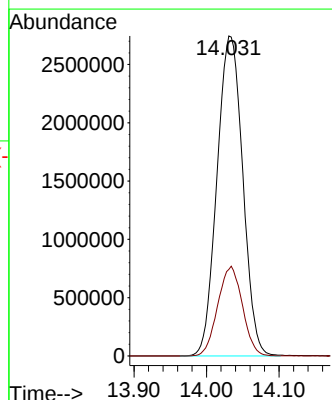
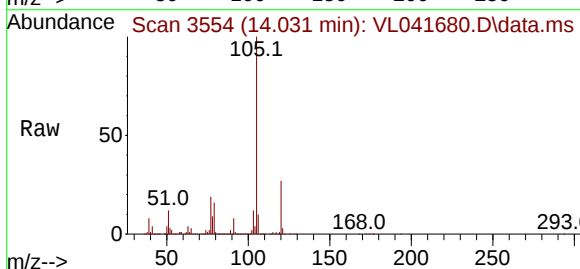
Acq: 7 Nov 2024 14:12

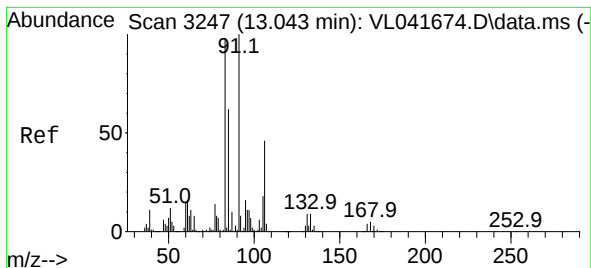
Tgt Ion:105 Resp: 6769619

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 14.277 ppbv

RT: 13.050 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

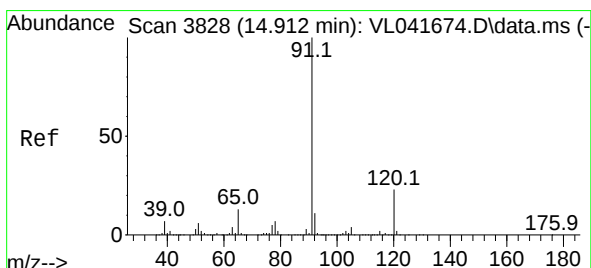
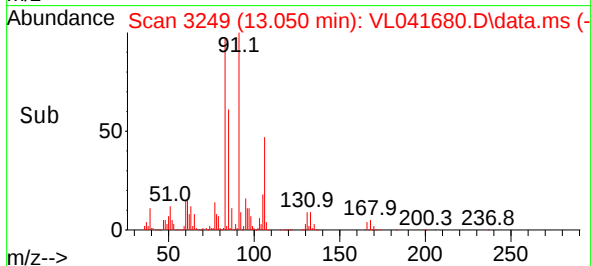
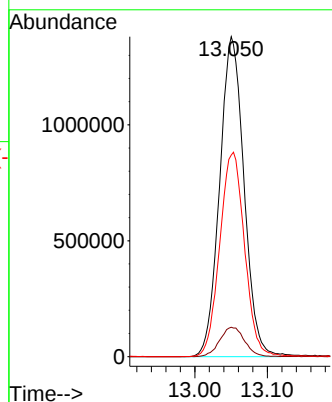
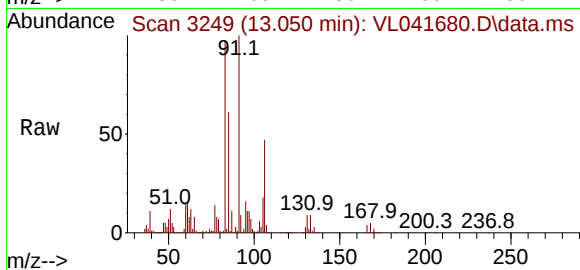
Tgt Ion: 83 Resp: 3217179

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

85 65.5 32.6 98.0



#64

n-propylbenzene

Concen: 15.010 ppbv

RT: 14.918 min Scan# 3830

Delta R.T. 0.007 min

Lab File: VL041680.D

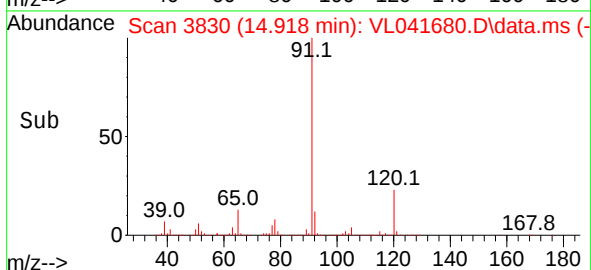
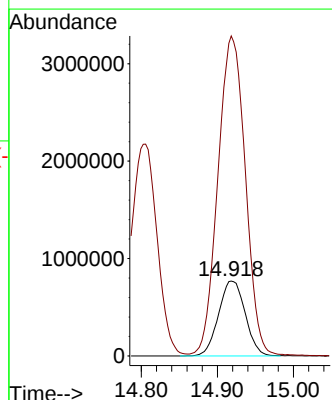
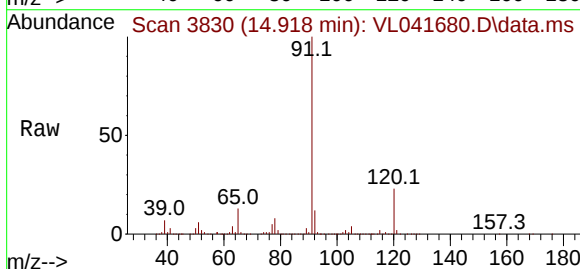
Acq: 7 Nov 2024 14:12

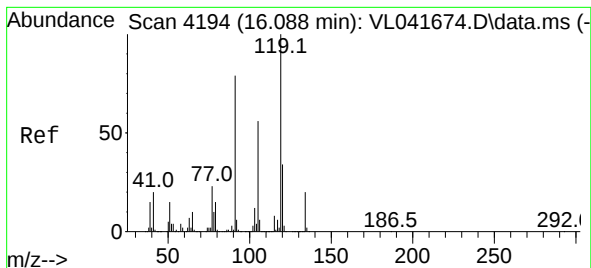
Tgt Ion:120 Resp: 1875181

Ion Ratio Lower Upper

120 100

91 441.1 362.4 543.6





#65

tert-Butylbenzene

Concen: 14.149 ppbv

RT: 16.095 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

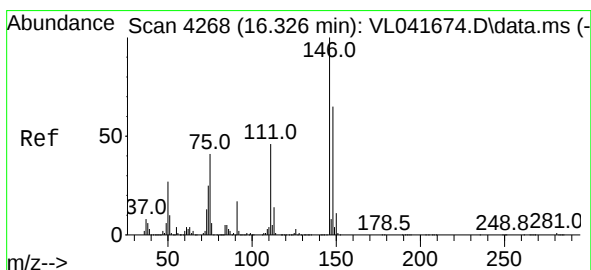
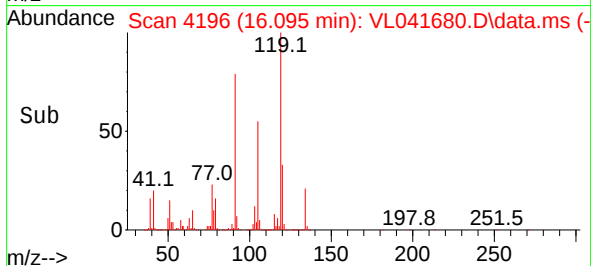
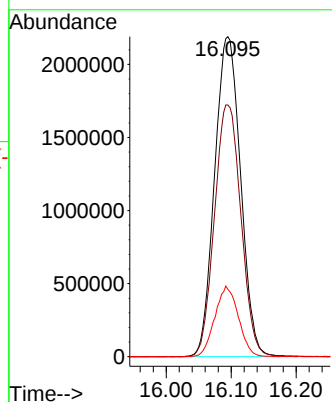
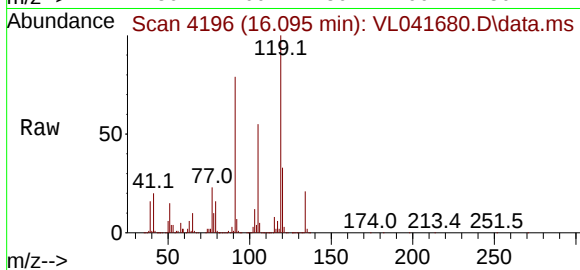
Tgt Ion:119 Resp: 6075642

Ion Ratio Lower Upper

119 100

91 80.2 64.3 96.5

134 20.0 15.8 23.8



#66

Benzyl Chloride

Concen: 19.466 ppbv

RT: 16.333 min Scan# 4270

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

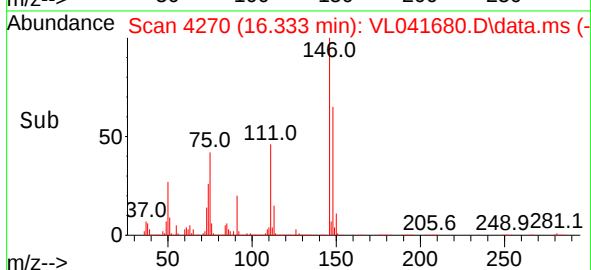
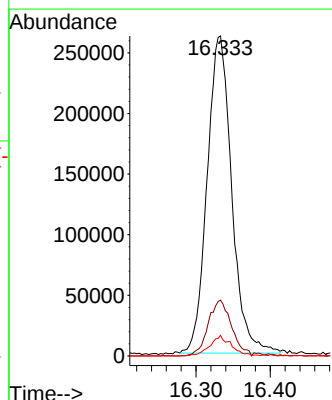
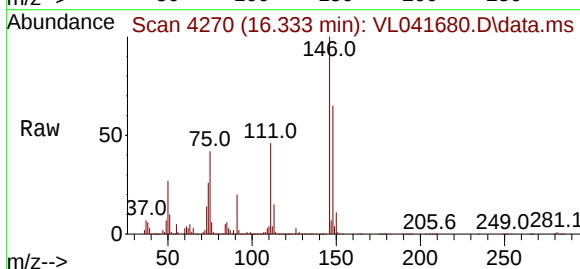
Tgt Ion: 91 Resp: 602019

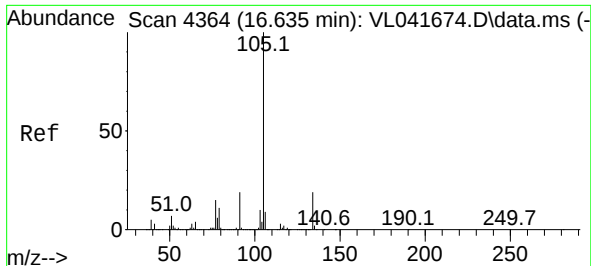
Ion Ratio Lower Upper

91 100

126 17.3 13.8 20.6

128 5.8 4.3 6.5





#67

sec-Butylbenzene

Concen: 14.008 ppbv

RT: 16.638 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

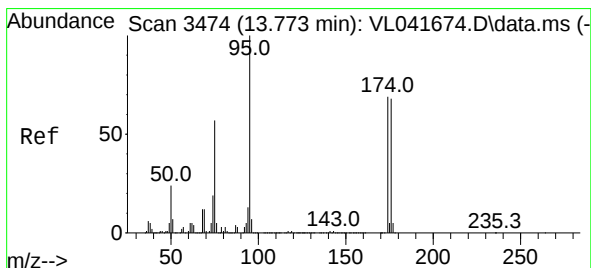
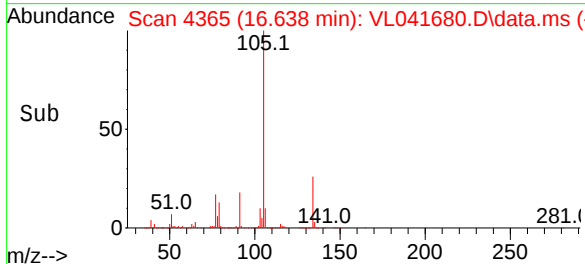
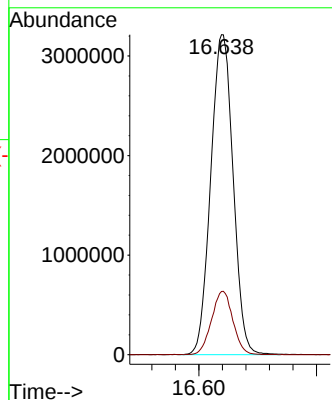
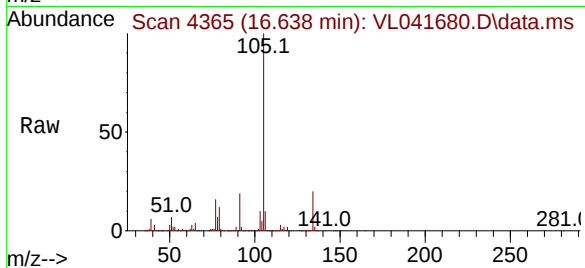
VSTDIC015

Tgt Ion:105 Resp: 8477471

Ion Ratio Lower Upper

105 100

134 18.9 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.746 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

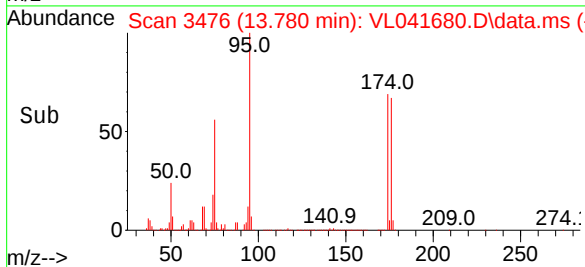
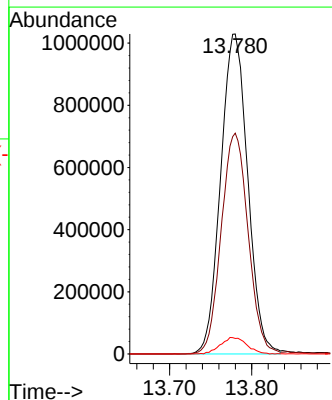
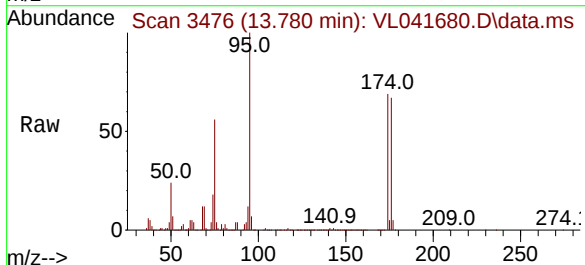
Tgt Ion: 95 Resp: 2357958

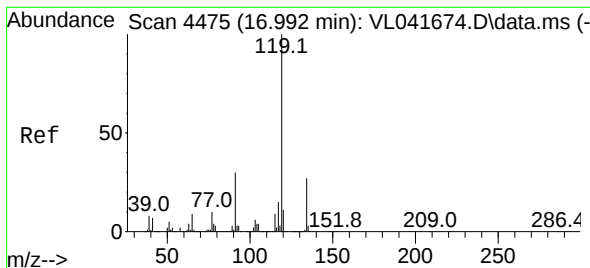
Ion Ratio Lower Upper

95 100

174 69.5 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 14.562 ppbv

RT: 16.999 min Scan# 4475

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

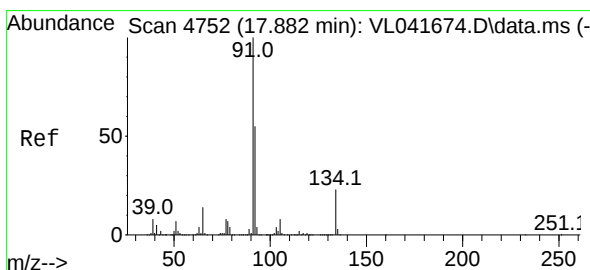
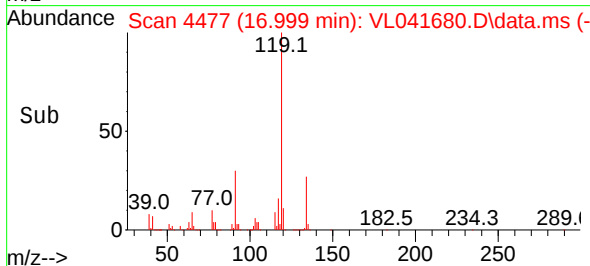
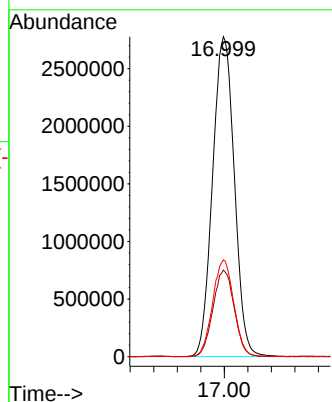
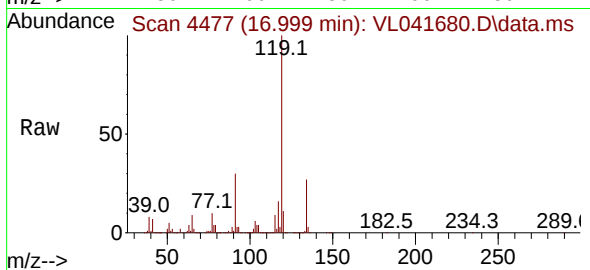
Tgt Ion:119 Resp: 7127872

Ion Ratio Lower Upper

119 100

134 26.5 20.8 31.2

91 29.4 23.2 34.8



#70

n-Butylbenzene

Concen: 14.625 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

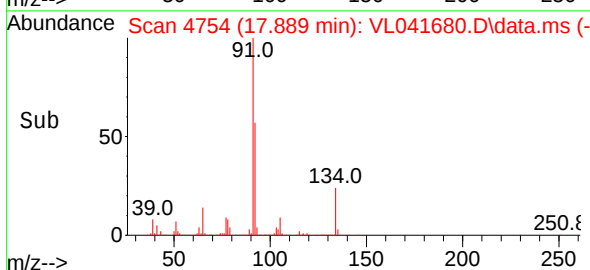
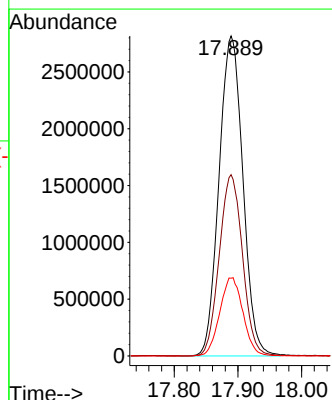
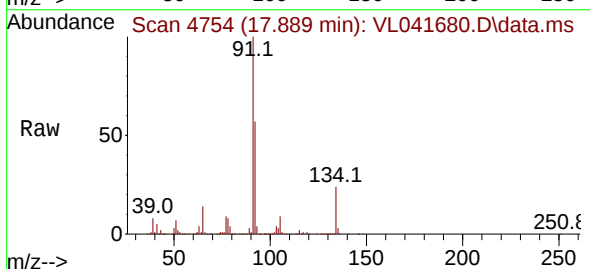
Tgt Ion: 91 Resp: 7337569

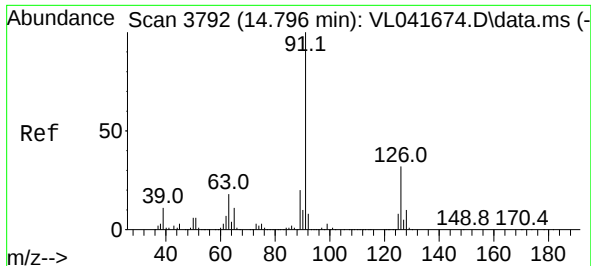
Ion Ratio Lower Upper

91 100

92 55.3 43.3 64.9

134 24.0 18.4 27.6

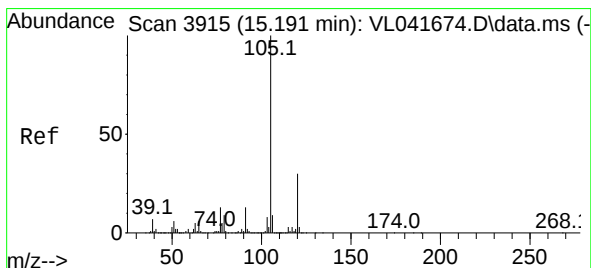
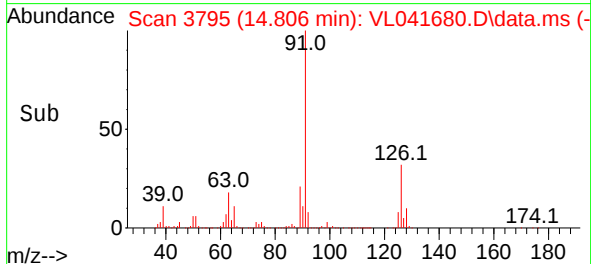
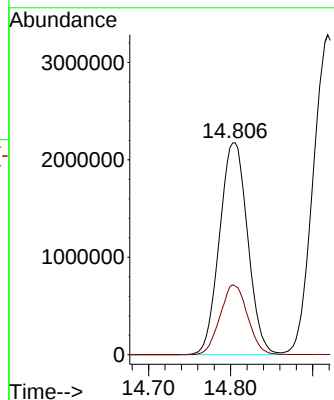
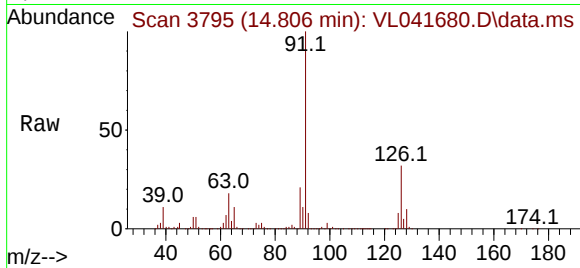




#71
2-Chlorotoluene
Concen: 15.038 ppbv
RT: 14.806 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

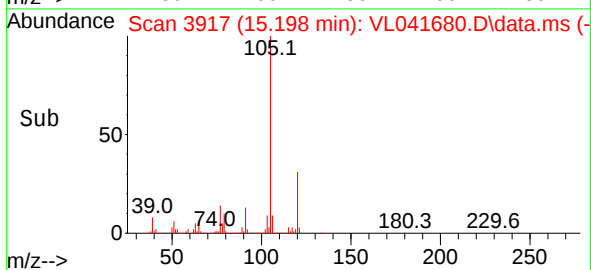
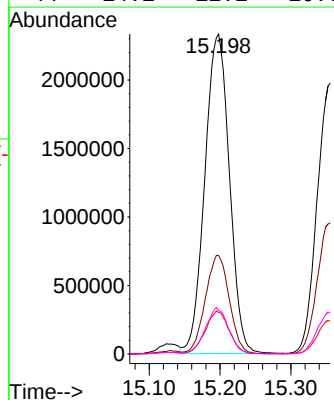
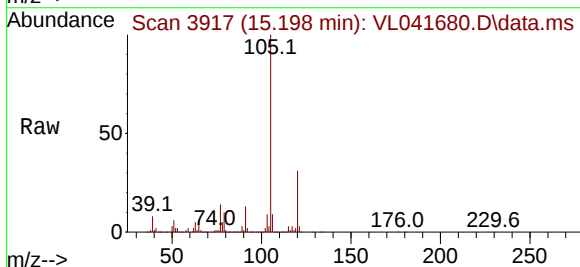
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

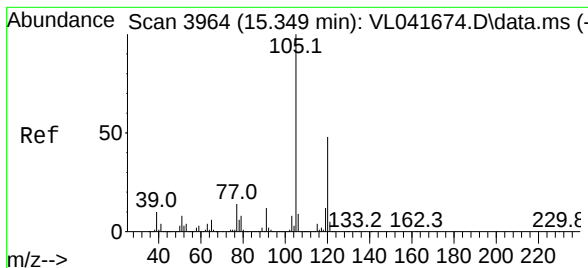
Tgt Ion: 91 Resp: 5195848
Ion Ratio Lower Upper
91 100
126 32.2 12.8 51.0



#72
4-Ethyltoluene
Concen: 15.652 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion:105 Resp: 5625512
Ion Ratio Lower Upper
105 100
120 31.0 25.0 37.4
91 13.7 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 15.144 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

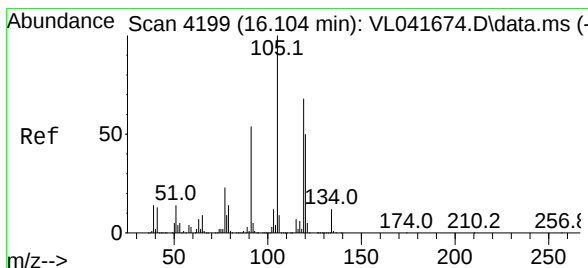
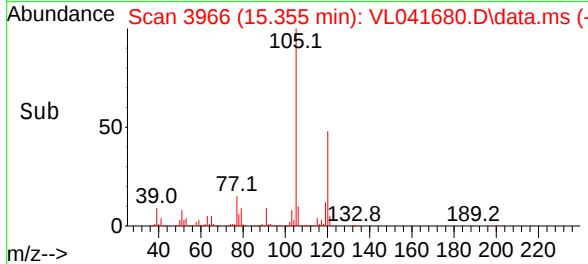
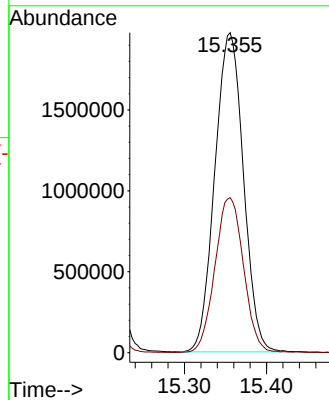
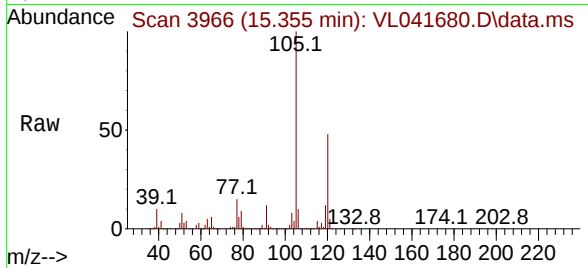
VSTDIC015

Tgt Ion:105 Resp: 4772611

Ion Ratio Lower Upper

105 100

120 48.5 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 14.183 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. 0.010 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion:105 Resp: 5199497

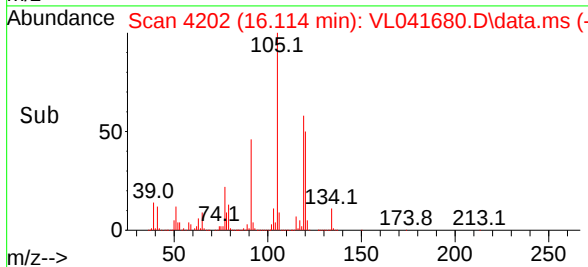
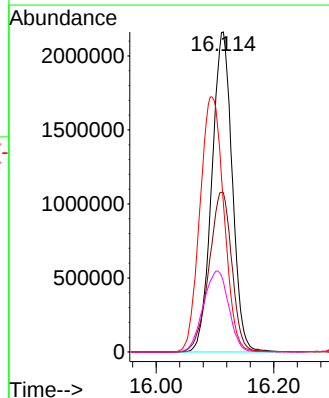
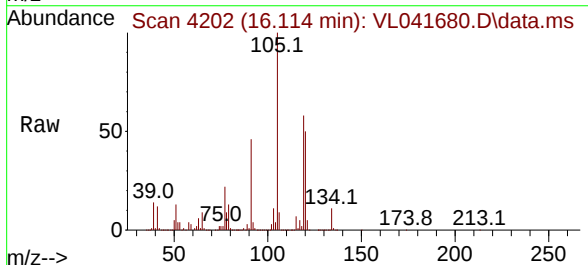
Ion Ratio Lower Upper

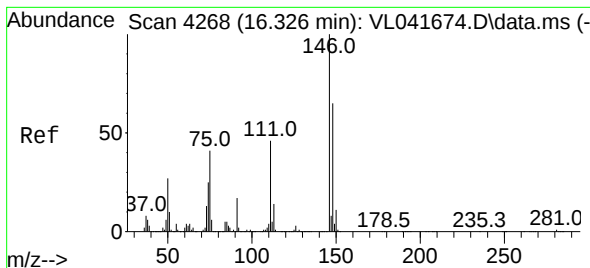
105 100

120 49.7 39.8 59.8

91 46.3 43.2 64.8

77 21.9 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 14.559 ppbv

RT: 16.336 min Scan# 4268

Delta R.T. 0.010 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

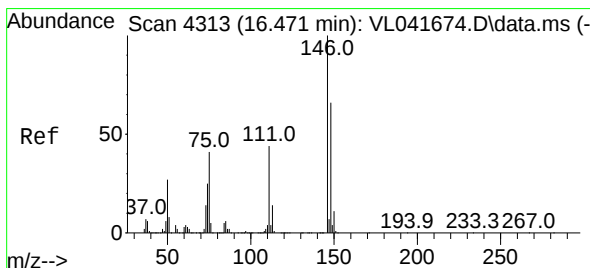
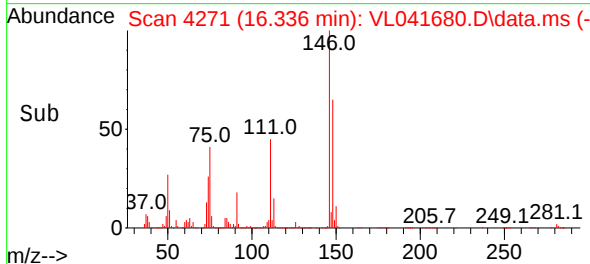
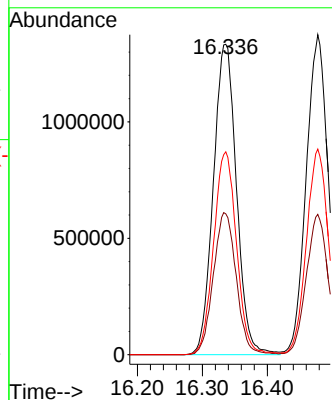
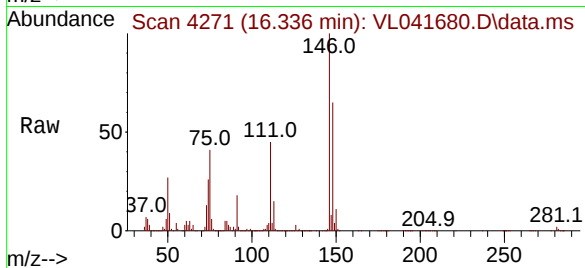
Tgt Ion:146 Resp: 3296952

Ion Ratio Lower Upper

146 100

111 45.3 22.8 68.3

148 64.7 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 14.402 ppbv

RT: 16.478 min Scan# 4315

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

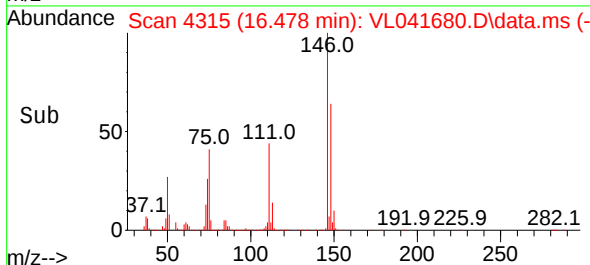
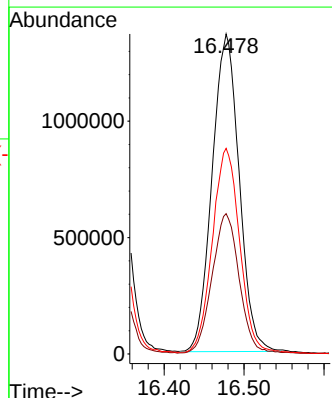
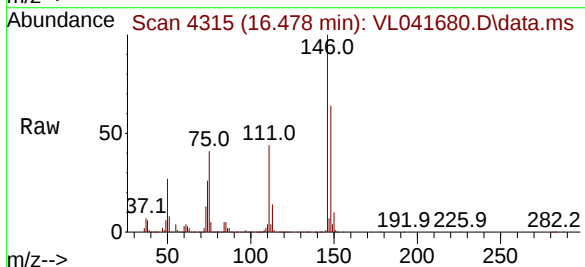
Tgt Ion:146 Resp: 3204404

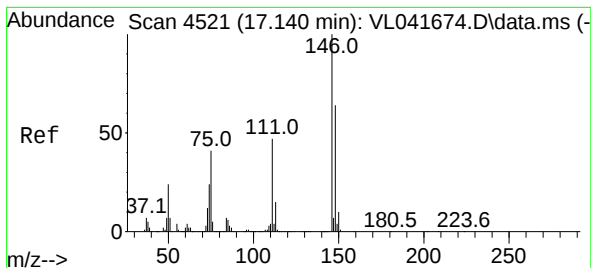
Ion Ratio Lower Upper

146 100

111 44.5 22.1 66.3

148 66.2 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 14.336 ppbv

RT: 17.150 min Scan# 4521

Delta R.T. 0.010 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

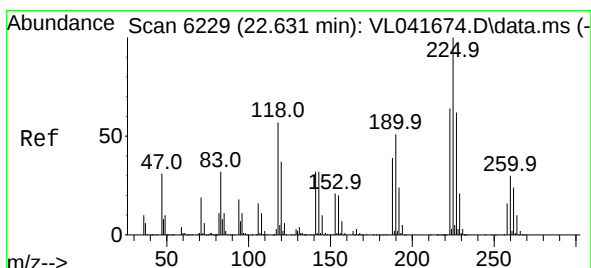
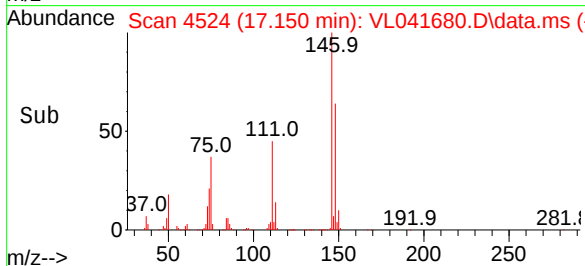
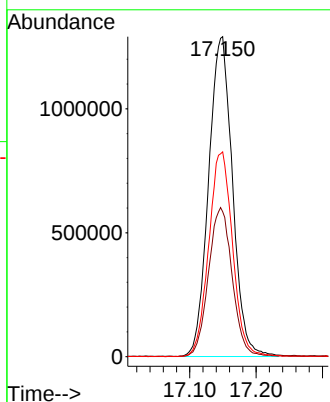
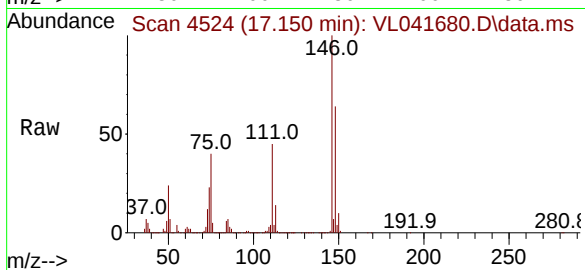
Tgt Ion:146 Resp: 3223835

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.3

148 64.0 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 12.158 ppbv

RT: 22.638 min Scan# 6231

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

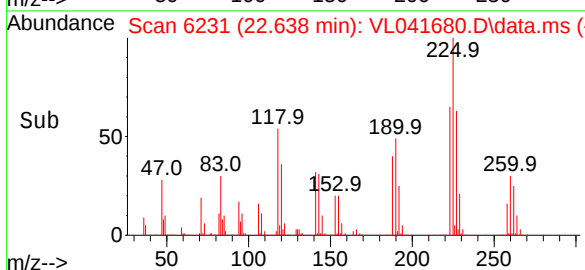
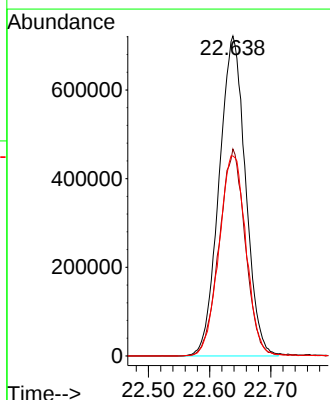
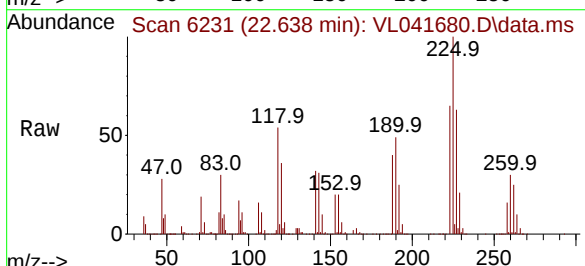
Tgt Ion:225 Resp: 2162938

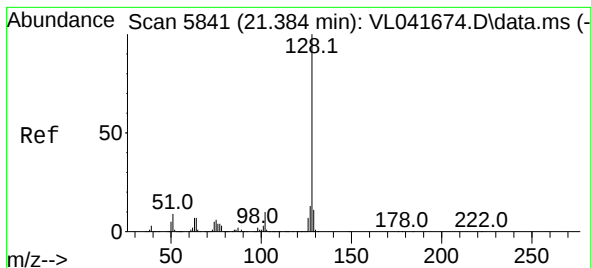
Ion Ratio Lower Upper

225 100

223 64.3 51.1 76.7

227 64.5 51.3 76.9





#79

Naphthalene

Concen: 19.355 ppbv

RT: 21.391 min Scan# 5843

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

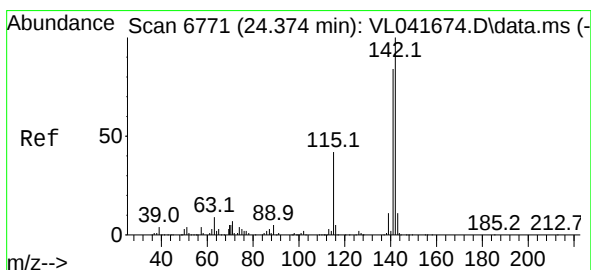
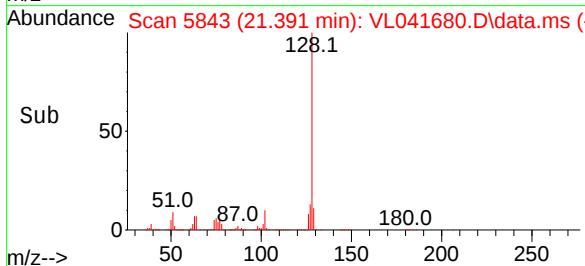
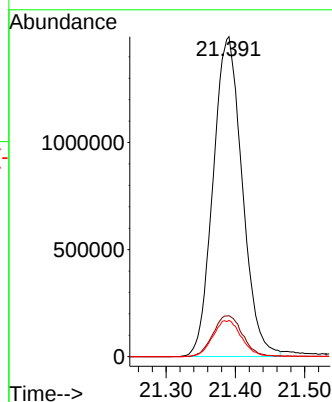
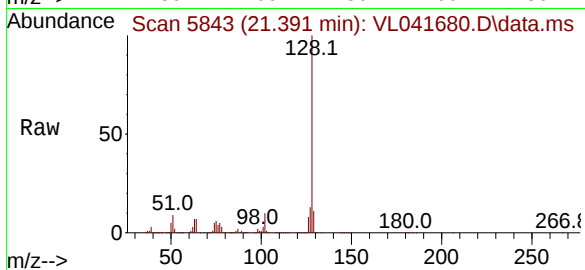
Tgt Ion:128 Resp: 4363777

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 11.4 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 24.444 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

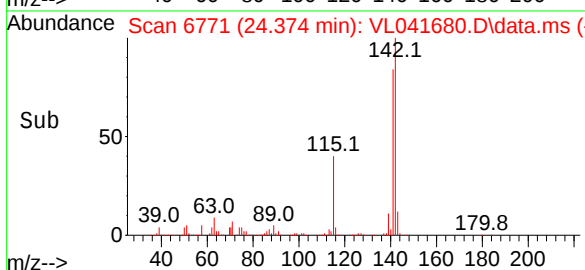
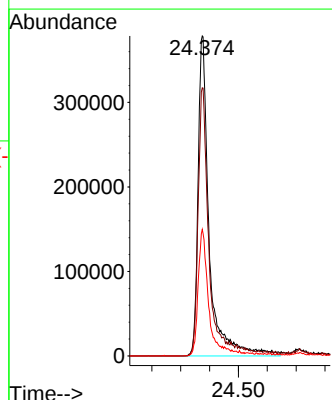
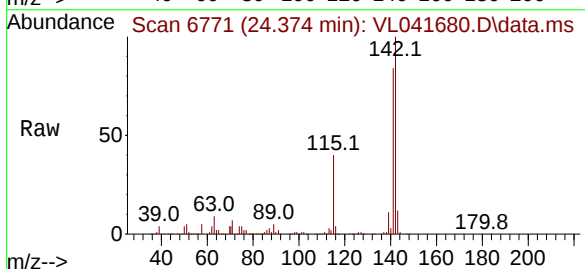
Tgt Ion:142 Resp: 1022470

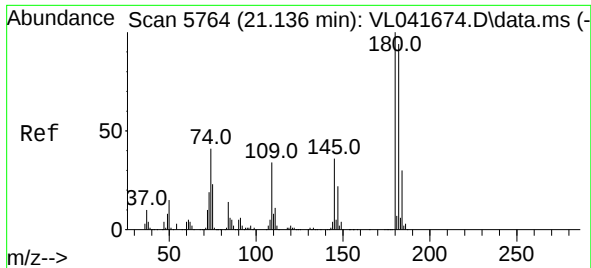
Ion Ratio Lower Upper

142 100

141 83.8 68.1 102.1

115 37.4 33.1 49.7





#81

1,2,4-Trichlorobenzene

Concen: 15.962 ppbv

RT: 21.146 min Scan# 5

Delta R.T. 0.010 min

Lab File: VL041680.D

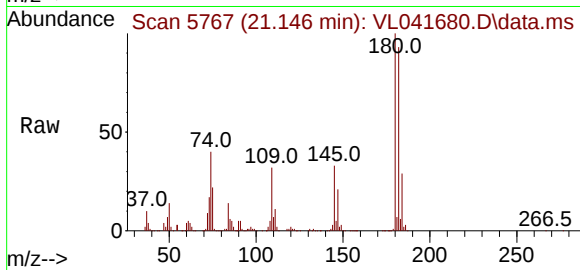
Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 2238509

Ion Ratio Lower Upper

180 100

182 98.0 78.2 117.2

184 30.9 25.0 37.4

