

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041713.D
 Acq On : 21 Nov 2024 10:16
 Operator : SY/MD
 Sample : VL1121ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

Quant Time: Nov 22 01:06:55 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 22 01:00:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.227	49	1134955	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.687	114	3168983	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	3594883	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	2215094	8.363	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.764	85	1630144	7.947	ppbv	98
3) Chlorodifluoromethane	2.706	51	1285062	8.690	ppbv	99
4) Chloromethane	2.848	50	716415	9.146	ppbv	96
5) Vinyl Chloride	2.954	62	682024	9.680	ppbv	100
6) Bromomethane	3.153	94	304189	8.138	ppbv	98
7) Chloroethane	3.230	64	237287	9.227	ppbv	98
8) Dichlorotetrafluoroethane	2.890	85	1655625	9.041	ppbv	99
9) Propene	2.729	41	588833	9.138	ppbv	100
10) Heptane	7.613	43	1461776	10.124	ppbv	99
11) Trichlorofluoromethane	3.594	101	1648437	9.226	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.099	101	1220108	9.395	ppbv	98
13) Ethanol	3.285	45	8243	2.089	ppbv #	26
14) Bromoethene	3.401	108	483950	9.269	ppbv	98
15) Acetone	3.501	43	1224405	8.766	ppbv	100
16) 1,3-Butadiene	3.018	39	687757	9.758	ppbv	100
17) tert-Butyl alcohol	3.912	59	1149012	9.374	ppbv	100
18) 1,1-Dichloroethene	3.915	96	535425	9.400	ppbv	97
19) Isopropyl Alcohol	3.610	45	625847	9.374	ppbv	100
20) Methylene Chloride	3.967	84	445518	8.668	ppbv	98
21) Allyl Chloride	4.031	41	833062	9.652	ppbv	97
22) trans-1,2-Dichloroethene	4.478	96	536875	9.479	ppbv	100
23) Vinyl Acetate	4.658	43	757071	12.295	ppbv #	97
24) 1,1-Dichloroethane	4.597	63	1176486	9.307	ppbv	99
25) Ethyl Acetate	5.237	43	2679235	9.267	ppbv	99
26) Hexane	5.246	57	1065415	9.591	ppbv	98
27) Carbon Disulfide	4.156	76	1327851	10.640	ppbv	99
28) Methyl tert-Butyl Ether	4.619	73	670312	9.371	ppbv	99
29) Chloroform	5.308	83	1693486	9.236	ppbv	100
30) Cyclohexane	6.635	84	903309	9.550	ppbv	98
31) cis-1,2-Dichloroethene	5.111	61	1042430	9.755	ppbv	99
32) 1,1,1-Trichloroethane	6.037	97	1669061	9.978	ppbv	100
34) 2-Butanone	4.819	43	1417727	8.985	ppbv	99
35) Carbon Tetrachloride	6.529	117	1741838	10.418	ppbv	99
36) Benzene	6.404	78	2312069	9.847	ppbv	100
37) 1,2-Dichloroethane	5.841	62	1284047	9.693	ppbv	99
38) Trichloroethene	7.327	130	1289883	14.303	ppbv	98
39) 1,2-Dichloropropane	7.105	63	891656	9.610	ppbv	97
40) 1,4-Dioxane	7.317	88	363295	10.912	ppbv	90
41) Tetrahydrofuran	5.590	42	934965	10.375	ppbv	99
42) Bromodichloromethane	7.285	83	1839599	9.994	ppbv	99
43) Methyl Methacrylate	7.507	69	901641	10.937	ppbv	99
44) 2,2,4-Trimethylpentane	7.359	57	3894162	9.791	ppbv	100
45) t-1,3-Dichloropropene	8.745	75	748133	9.931	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
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 ClientSampleId :
 VL1121ABS01

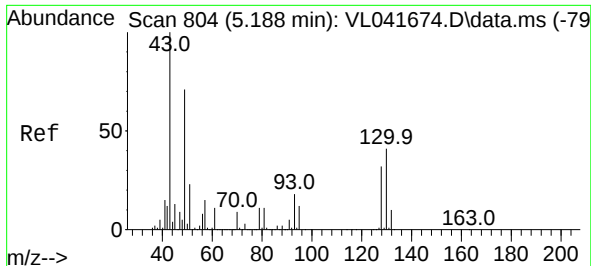
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.179	75	1103972	10.203	ppbv	98
47) 1,1,2-Trichloroethane	8.934	97	949123	9.451	ppbv	98
48) Dibromochloromethane	9.745	129	1553797	10.178	ppbv	100
49) Bromoform	12.439	173	1365111	10.451	ppbv	100
50) 4-Methyl-2-Pentanone	8.214	43	2511109	10.366	ppbv	100
51) 2-Hexanone	9.584	43	1968115	11.157	ppbv	100
52) Tetrachloroethene	10.648	164	833665	10.419	ppbv	97
53) Toluene	9.253	91	2633054	10.664	ppbv	99
54) 1,2-Dibromoethane	10.040	107	1247128	10.629	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.542	131	1158400	7.813	ppbv	100
57) Chlorobenzene	11.561	112	2078199	7.816	ppbv	99
58) Ethyl Benzene	12.121	91	3565857	9.048	ppbv	98
59) m/p-Xylene	12.404	91	3175161	8.997	ppbv #	36
60) o-Xylene	13.089	91	2972199	8.832	ppbv	99
61) Styrene	12.931	104	1410360	10.154	ppbv	100
62) Isopropylbenzene	14.060	105	4263154	8.202	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.079	83	1179536	4.765	ppbv	99
64) n-propylbenzene	14.947	120	1146628	8.427	ppbv	99
65) tert-Butylbenzene	16.121	119	3836581	8.213	ppbv	100
66) Benzyl Chloride	16.359	91	179175	4.986	ppbv	96
67) sec-Butylbenzene	16.664	105	5364091	8.147	ppbv	100
69) p-Isopropyltoluene	17.027	119	4458745	8.377	ppbv	100
70) n-Butylbenzene	17.918	91	4604740	8.455	ppbv	100
71) 2-Chlorotoluene	14.835	91	3223209	8.579	ppbv	99
72) 4-Ethyltoluene	15.224	105	3514757	8.983	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	2999740	8.737	ppbv	100
74) 1,2,4-Trimethylbenzene	16.140	105	3320988	8.327	ppbv	97
75) 1,3-Dichlorobenzene	16.362	146	2028386	8.212	ppbv	100
76) 1,4-Dichlorobenzene	16.506	146	1989769	8.350	ppbv	99
77) 1,2-Dichlorobenzene	17.175	146	1974338	8.069	ppbv	99
78) Hexachloro-1,3-Butadiene	22.670	225	1371815	7.089	ppbv	99
79) Naphthalene	21.419	128	2632672	10.695	ppbv	99
80) Naphthalene,2-methyl-	24.403	142	1177283	21.939	ppbv	96
81) 1,2,4-Trichlorobenzene	21.182	180	562756	3.635	ppbv #	5

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

Quant Time: Nov 22 01:06:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Nov 22 01:00:55 2024
Response via : Initial Calibration

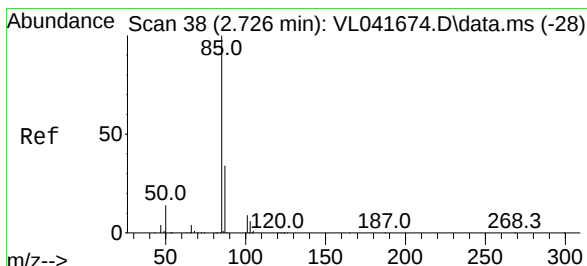
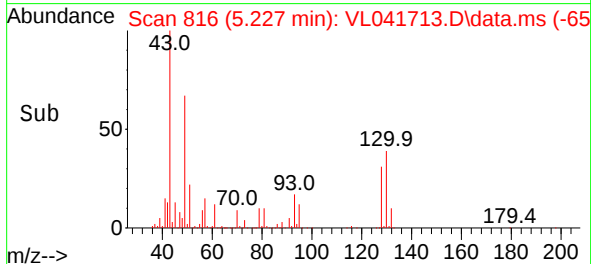
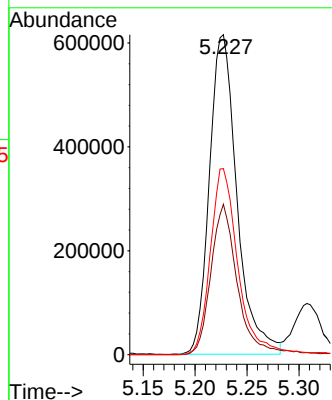
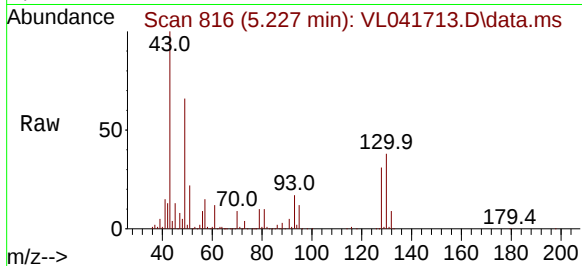




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

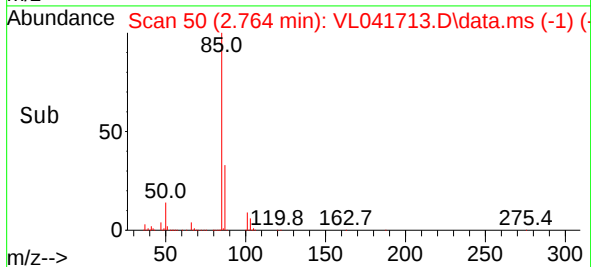
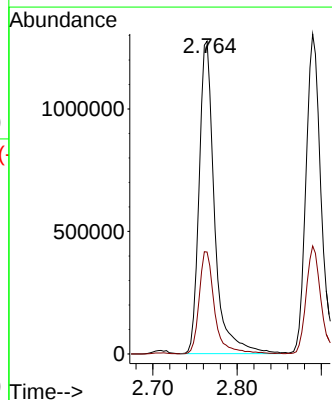
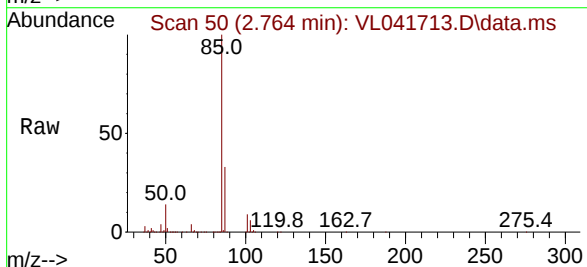
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

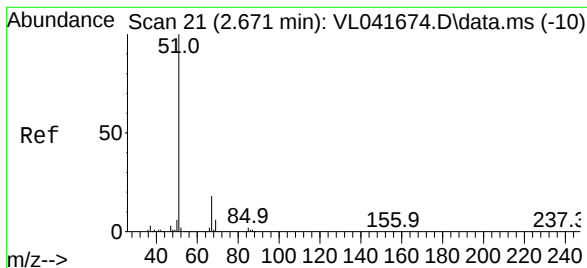
Tgt Ion: 49 Resp: 1134955
Ion Ratio Lower Upper
49 100
128 46.2 23.8 71.2
130 59.4 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 7.947 ppbv
RT: 2.764 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 85 Resp: 1630144
Ion Ratio Lower Upper
85 100
87 32.6 26.8 40.2





#3

Chlorodifluoromethane

Concen: 8.690 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

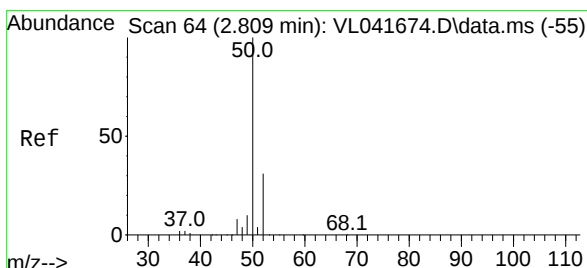
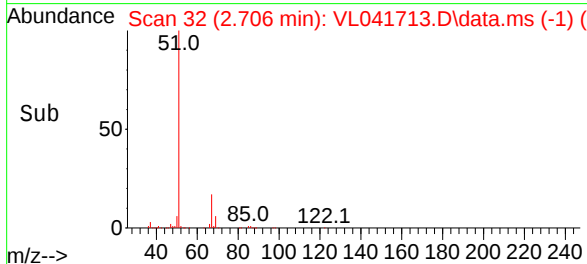
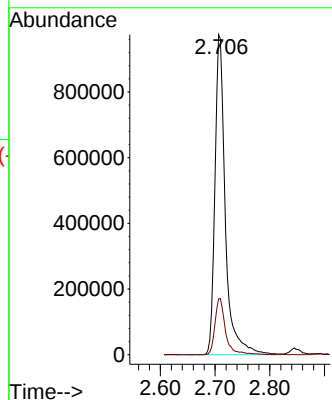
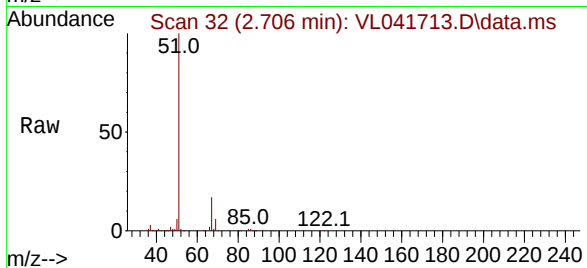
VL1121ABS01

Tgt Ion: 51 Resp: 1285062

Ion Ratio Lower Upper

51 100

67 18.0 13.9 20.9



#4

Chloromethane

Concen: 9.146 ppbv

RT: 2.848 min Scan# 76

Delta R.T. 0.006 min

Lab File: VL041713.D

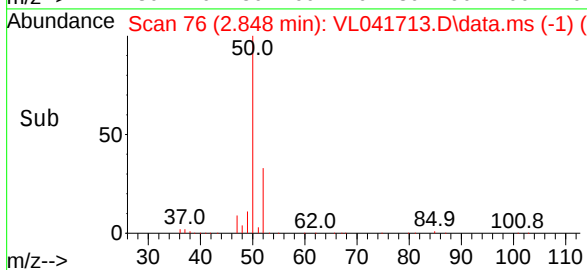
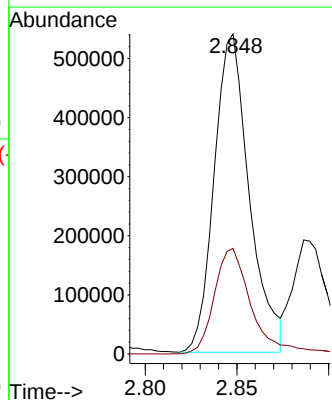
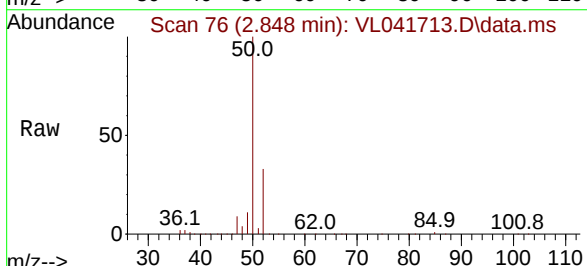
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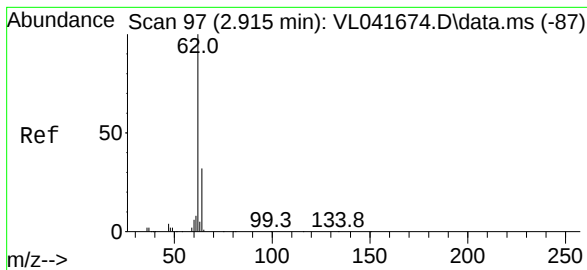
Tgt Ion: 50 Resp: 716415

Ion Ratio Lower Upper

50 100

52 33.2 24.9 37.3

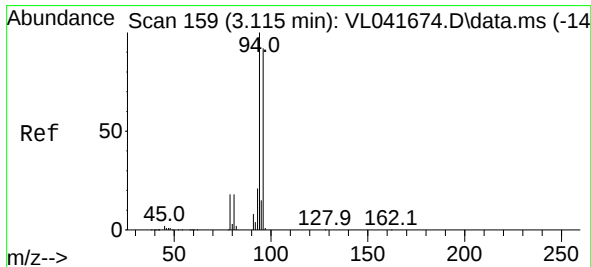
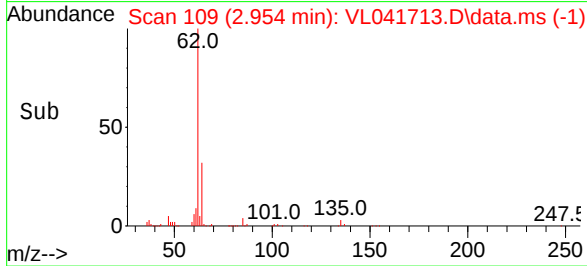
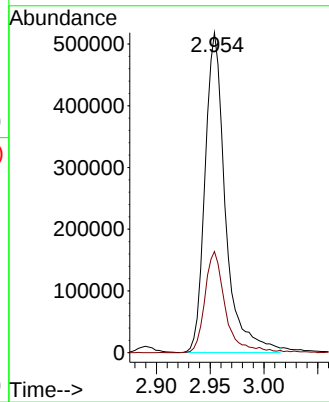
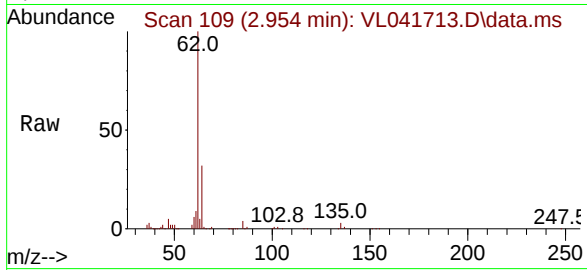




#5
 Vinyl Chloride
 Concen: 9.680 ppbv
 RT: 2.954 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

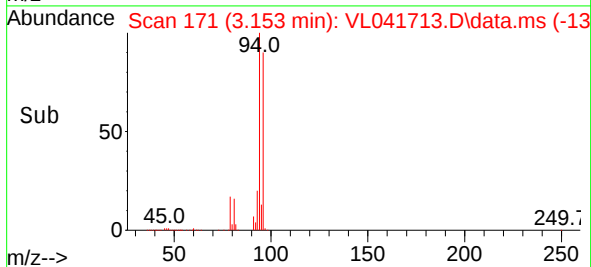
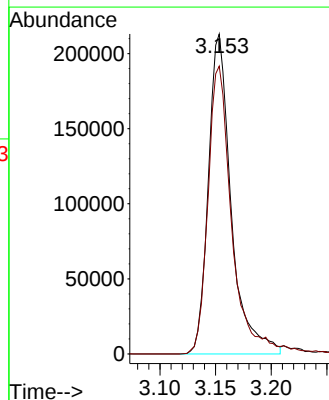
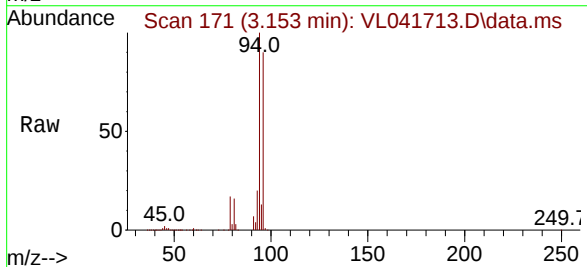
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

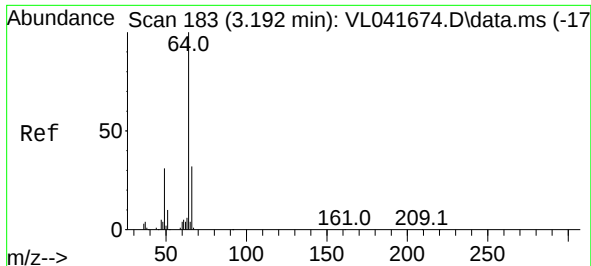
Tgt Ion: 62 Resp: 682024
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.4 38.2



#6
 Bromomethane
 Concen: 8.138 ppbv
 RT: 3.153 min Scan# 171
 Delta R.T. 0.006 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Tgt Ion: 94 Resp: 304189
 Ion Ratio Lower Upper
 94 100
 96 90.0 73.4 110.2

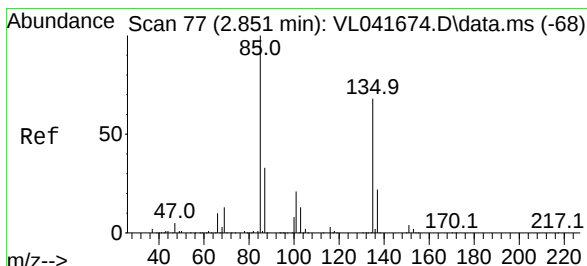
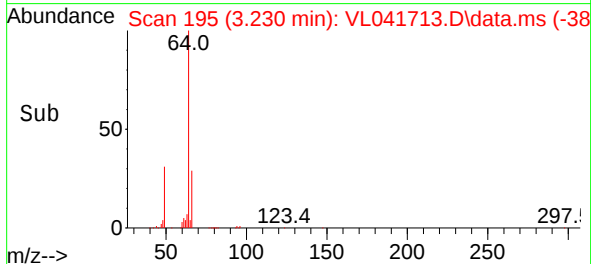
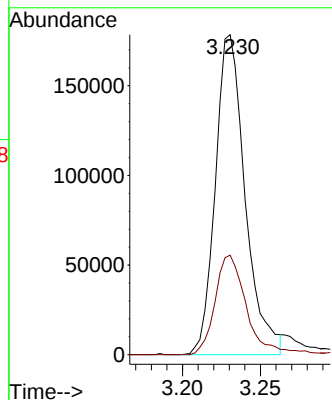
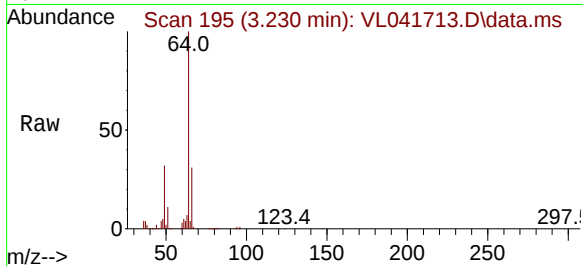




#7
Chloroethane
Concen: 9.227 ppbv
RT: 3.230 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

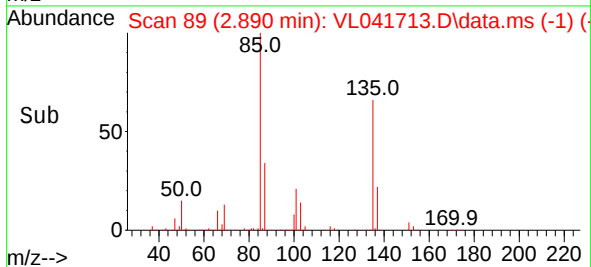
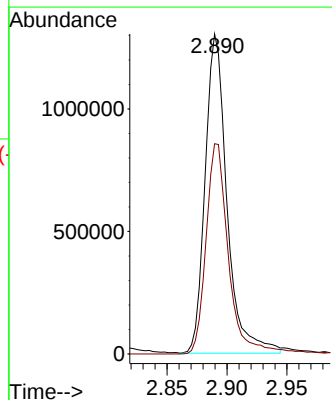
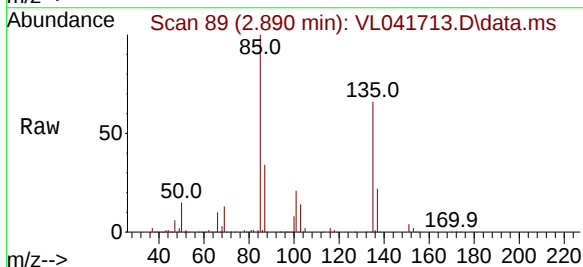
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ClientSampleId :
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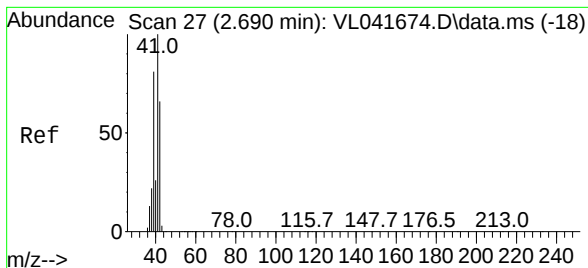
Tgt Ion: 64 Resp: 237287
Ion Ratio Lower Upper
64 100
66 31.1 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 9.041 ppbv
RT: 2.890 min Scan# 89
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 85 Resp: 1655625
Ion Ratio Lower Upper
85 100
135 68.5 55.5 83.3





#9

Propene

Concen: 9.138 ppbv

RT: 2.729 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

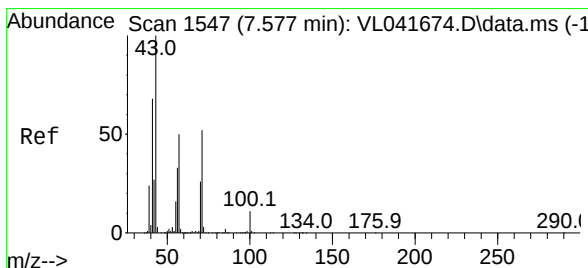
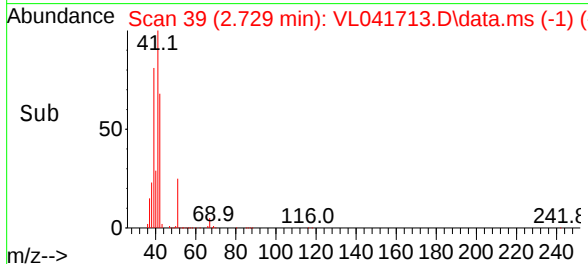
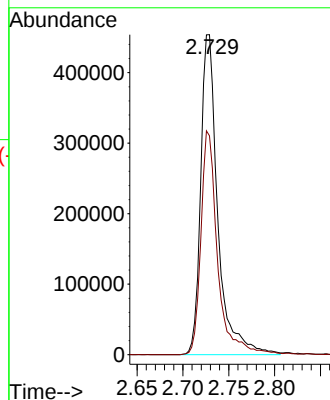
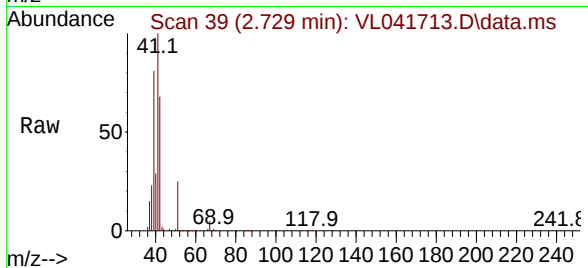
VL1121ABS01

Tgt Ion: 41 Resp: 588833

Ion Ratio Lower Upper

41 100

42 68.8 55.0 82.4



#10

Heptane

Concen: 10.124 ppbv

RT: 7.613 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VL041713.D

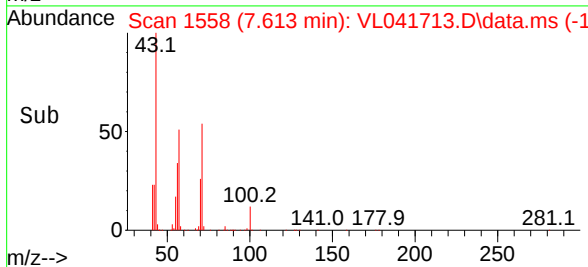
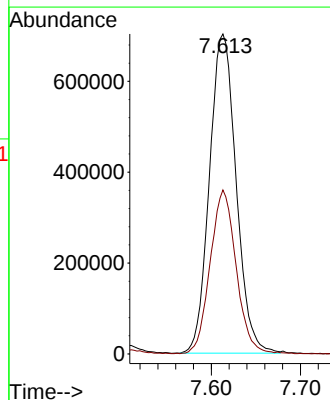
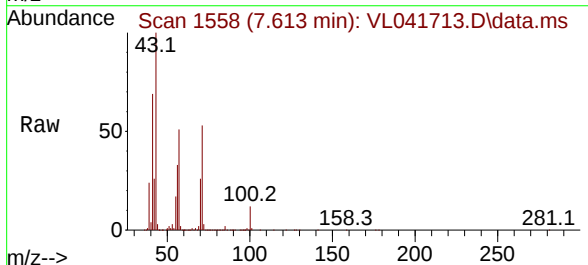
Acq: 21 Nov 2024 10:16

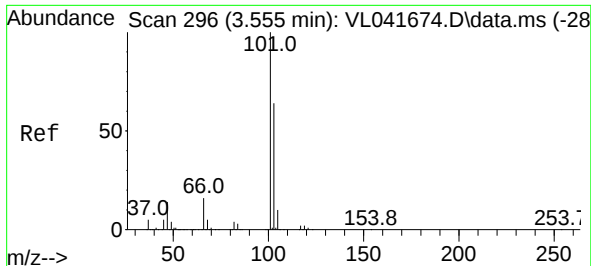
Tgt Ion: 43 Resp: 1461776

Ion Ratio Lower Upper

43 100

57 50.4 40.0 60.0





#11

Trichlorofluoromethane

Concen: 9.226 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

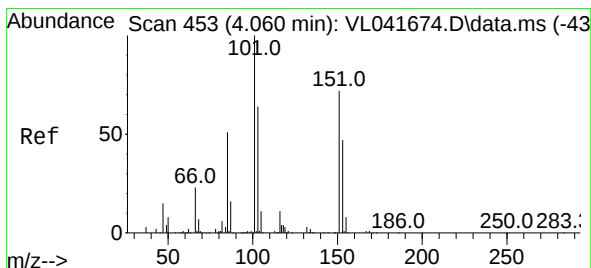
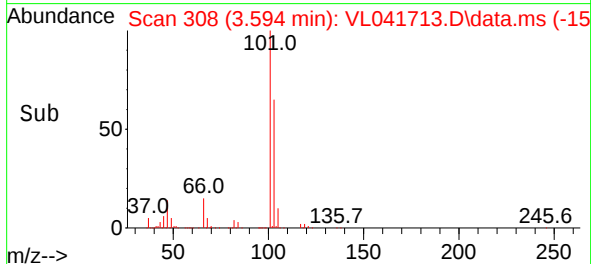
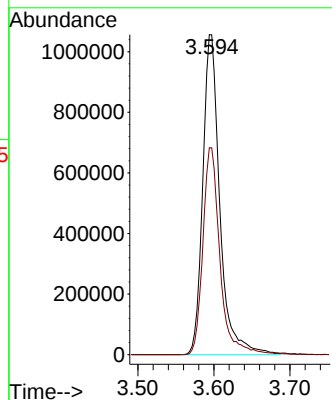
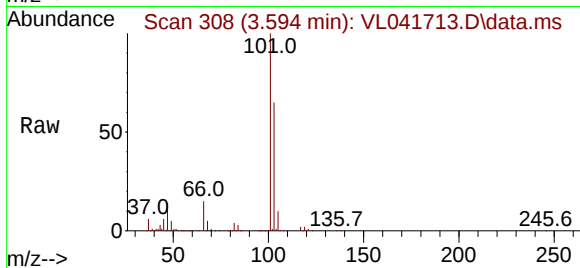
VL1121ABS01

Tgt Ion:101 Resp: 1648437

Ion Ratio Lower Upper

101 100

103 64.7 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.395 ppbv

RT: 4.099 min Scan# 465

Delta R.T. 0.003 min

Lab File: VL041713.D

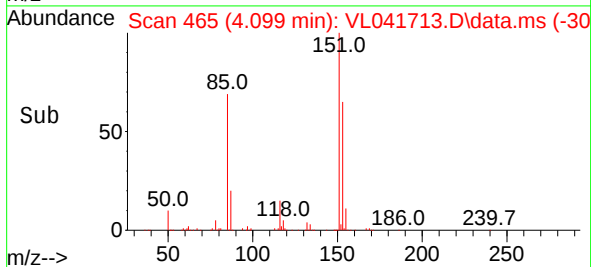
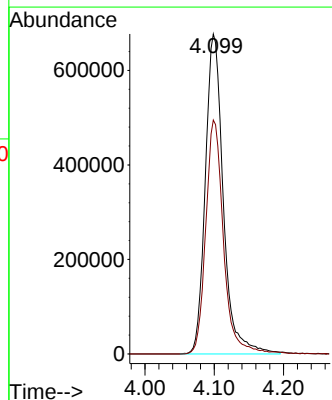
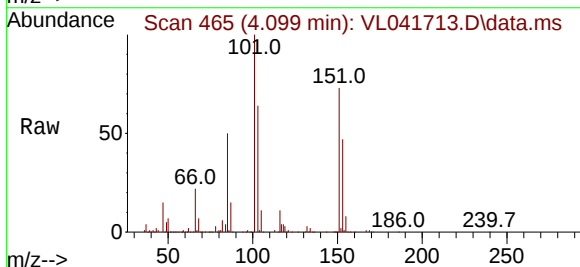
Acq: 21 Nov 2024 10:16

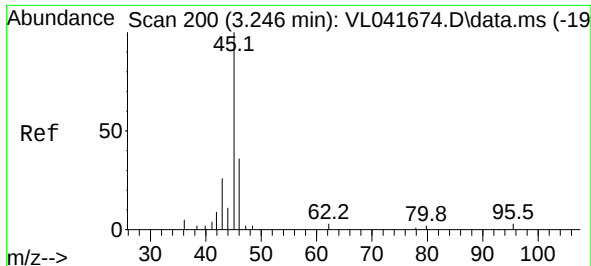
Tgt Ion:101 Resp: 1220108

Ion Ratio Lower Upper

101 100

151 72.5 59.1 88.7





#13

Ethanol

Concen: 2.089 ppbv

RT: 3.285 min Scan# 212

Delta R.T. 0.010 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

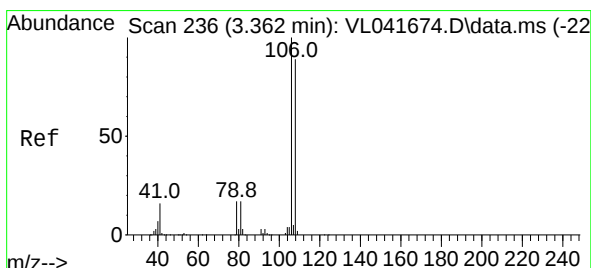
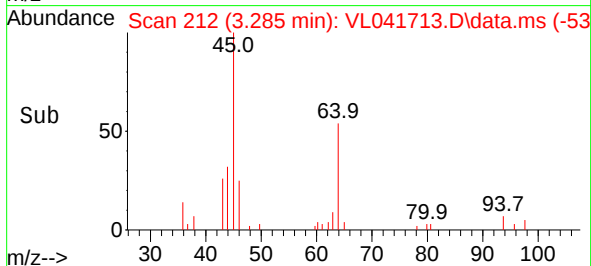
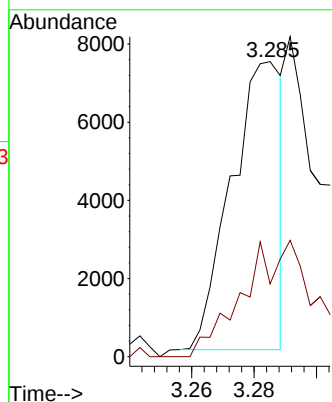
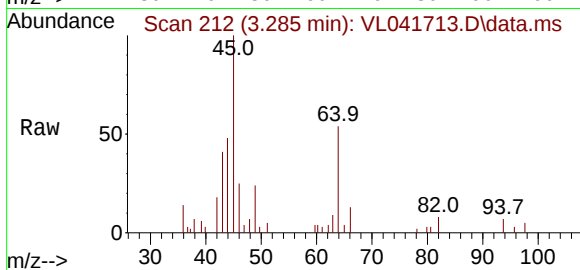
VL1121ABS01

Tgt Ion: 45 Resp: 8243

Ion Ratio Lower Upper

45 100

46 77.4 13.8 55.2#



#14

Bromoethene

Concen: 9.269 ppbv

RT: 3.401 min Scan# 248

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

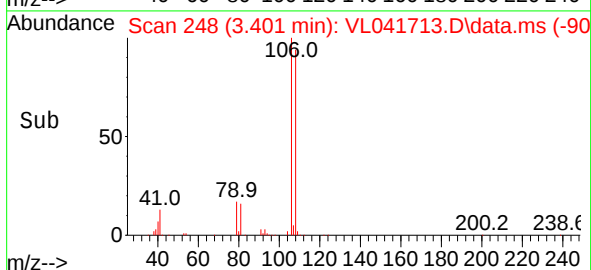
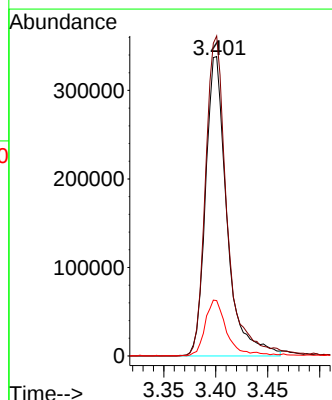
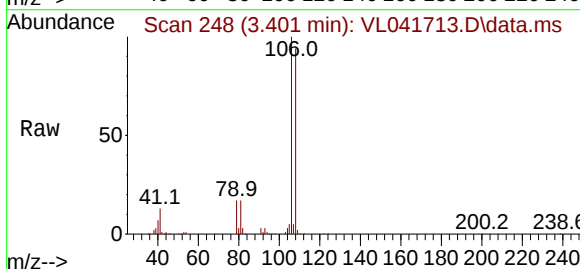
Tgt Ion:108 Resp: 483950

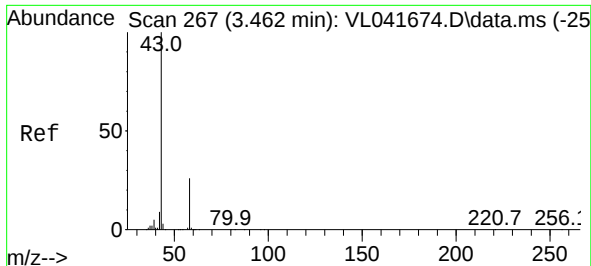
Ion Ratio Lower Upper

108 100

106 108.8 88.6 133.0

79 19.3 15.6 23.4





#15

Acetone

Concen: 8.766 ppbv

RT: 3.501 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

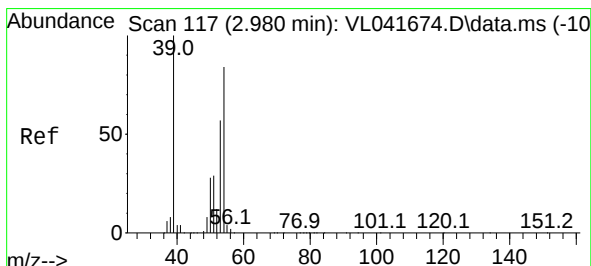
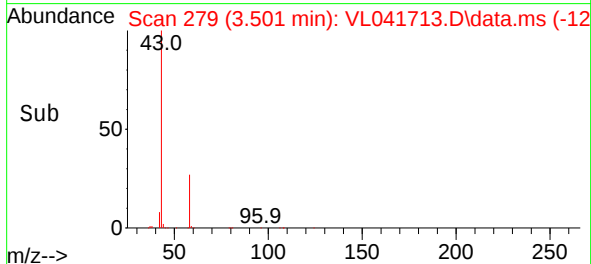
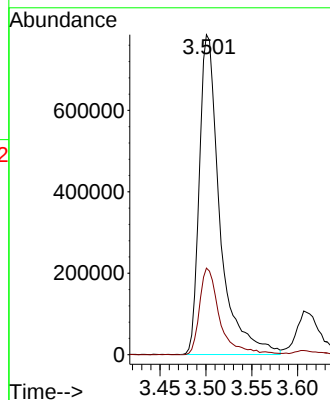
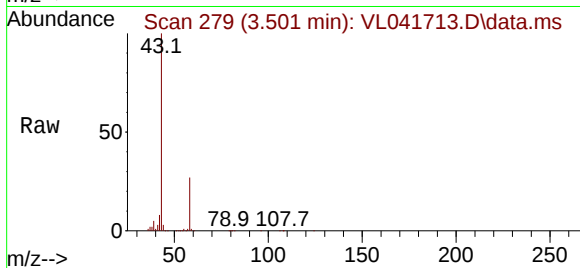
VL1121ABS01

Tgt Ion: 43 Resp: 1224405

Ion Ratio Lower Upper

43 100

58 26.9 21.4 32.0



#16

1,3-Butadiene

Concen: 9.758 ppbv

RT: 3.018 min Scan# 129

Delta R.T. 0.006 min

Lab File: VL041713.D

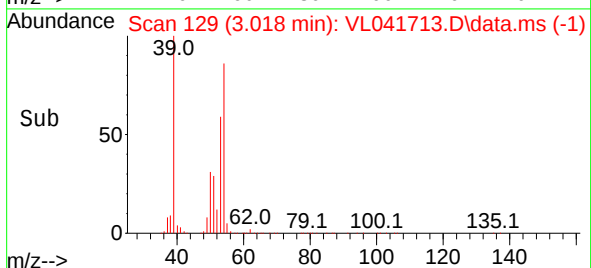
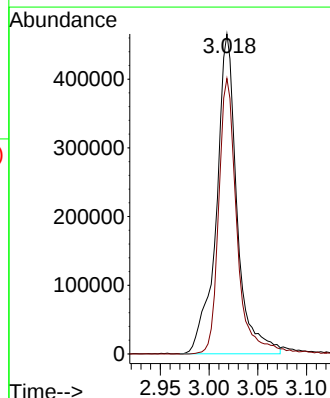
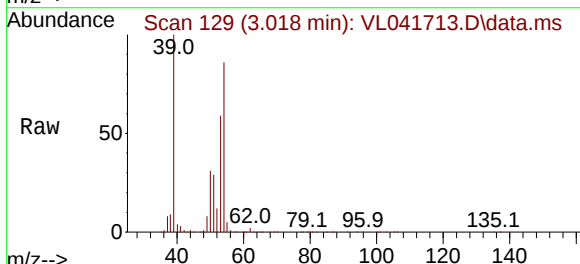
Acq: 21 Nov 2024 10:16

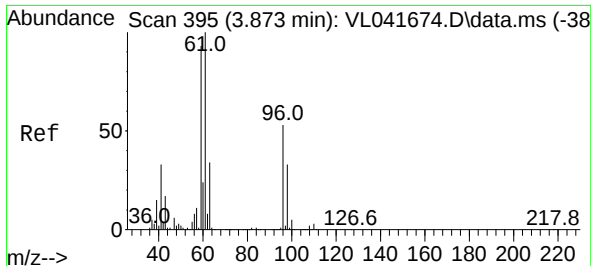
Tgt Ion: 39 Resp: 687757

Ion Ratio Lower Upper

39 100

54 76.8 61.3 91.9





#17

tert-Butyl alcohol

Concen: 9.374 ppbv

RT: 3.912 min Scan# 407

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

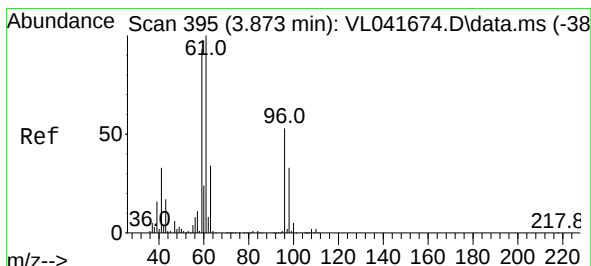
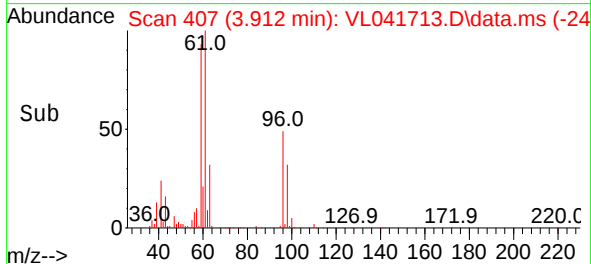
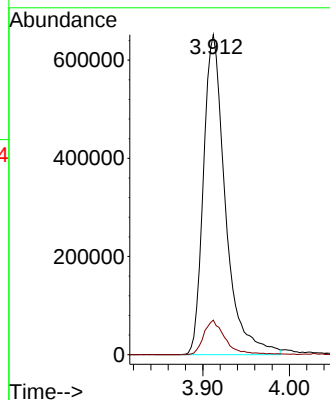
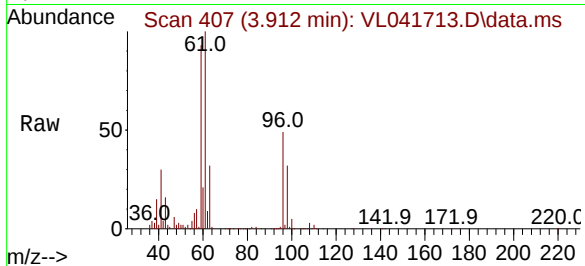
VL1121ABS01

Tgt Ion: 59 Resp: 1149012

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.400 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

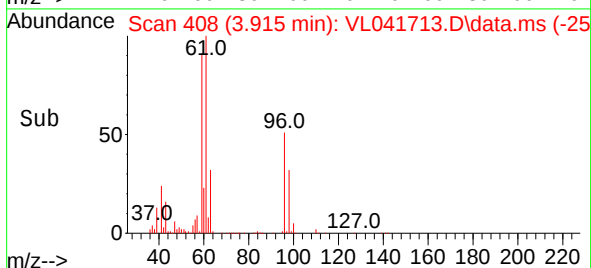
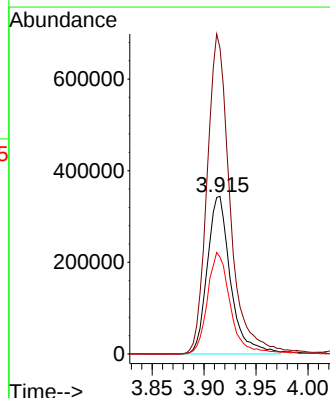
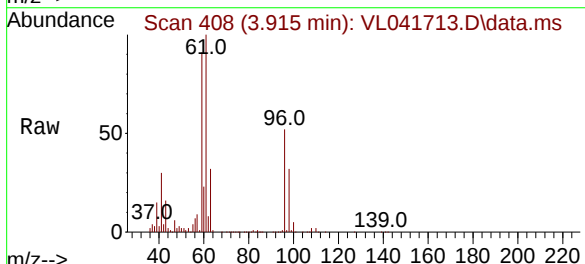
Tgt Ion: 96 Resp: 535425

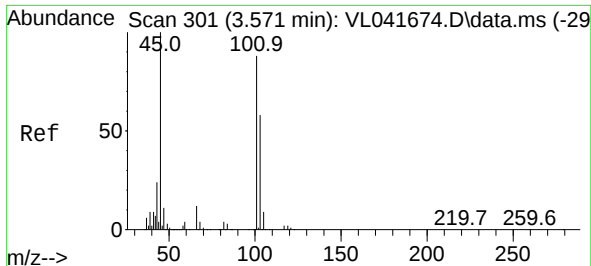
Ion Ratio Lower Upper

96 100

61 193.9 150.7 226.1

98 61.4 49.4 74.2





#19

Isopropyl Alcohol

Concen: 9.374 ppbv

RT: 3.610 min Scan# 313

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

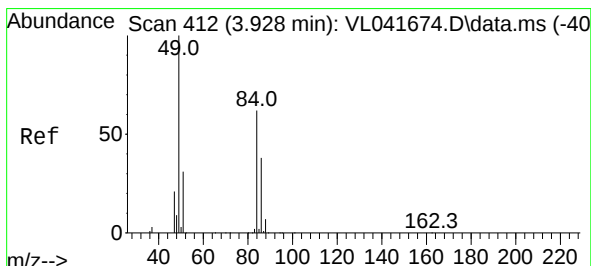
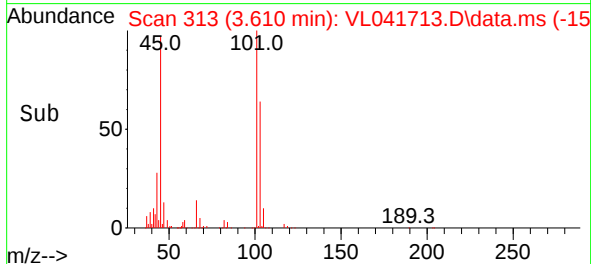
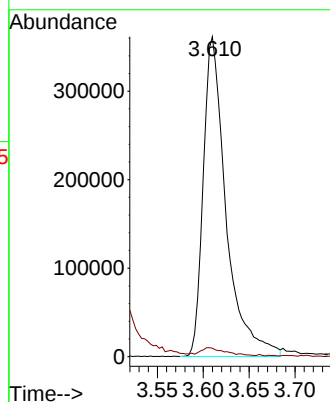
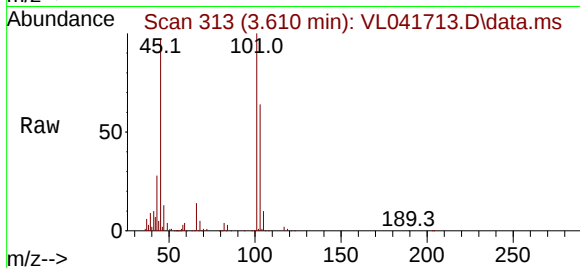
VL1121ABS01

Tgt Ion: 45 Resp: 625847

Ion Ratio Lower Upper

45 100

58 3.0 2.5 3.7



#20

Methylene Chloride

Concen: 8.668 ppbv

RT: 3.967 min Scan# 424

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Tgt Ion: 84 Resp: 445518

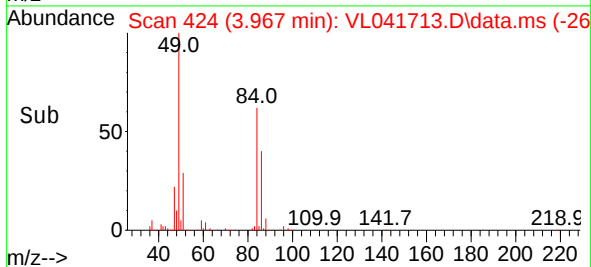
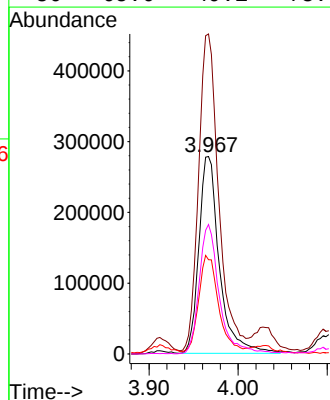
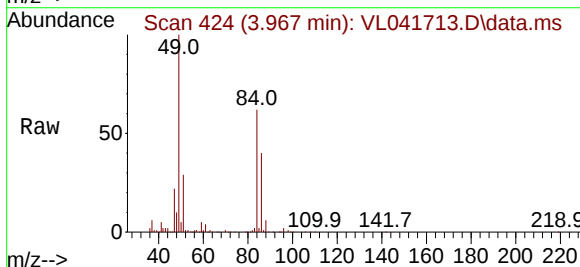
Ion Ratio Lower Upper

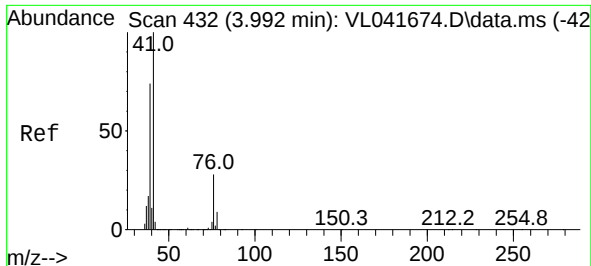
84 100

49 161.0 129.7 194.5

51 46.7 39.8 59.6

86 65.6 49.1 73.7





#21

Allyl Chloride

Concen: 9.652 ppbv

RT: 4.031 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

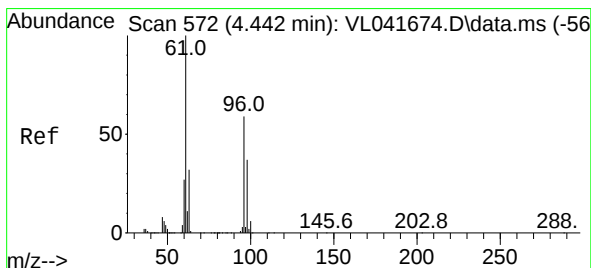
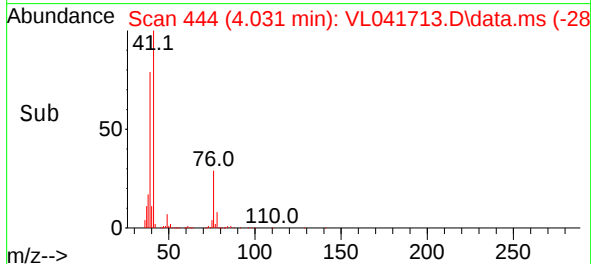
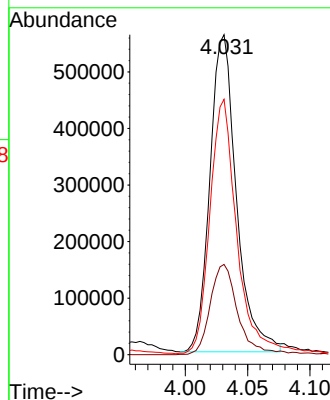
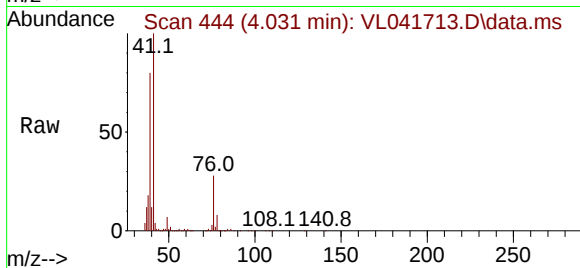
Tgt Ion: 41 Resp: 833062

Ion Ratio Lower Upper

41 100

76 30.0 23.5 35.3

39 82.1 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 9.479 ppbv

RT: 4.478 min Scan# 583

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

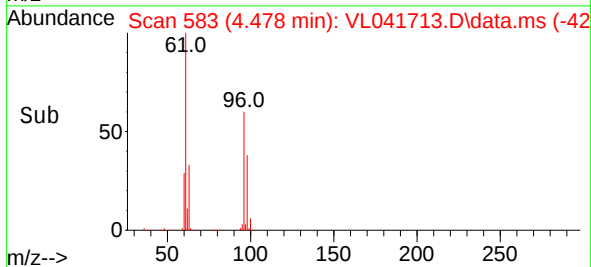
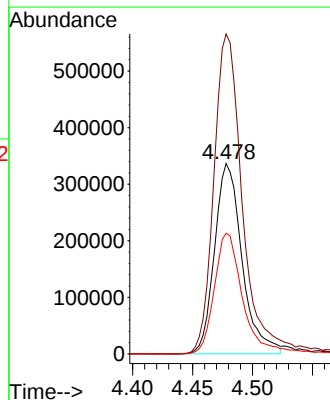
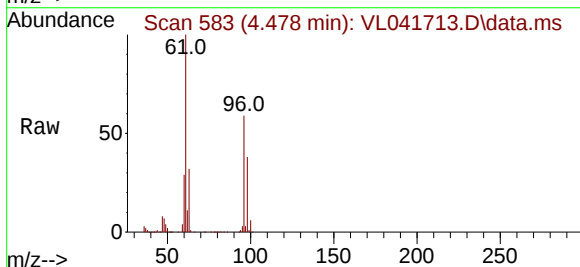
Tgt Ion: 96 Resp: 536875

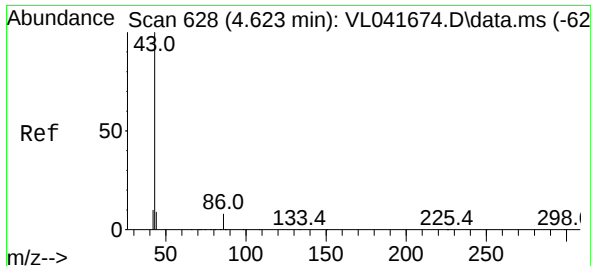
Ion Ratio Lower Upper

96 100

61 168.2 134.5 201.7

98 63.2 49.6 74.4



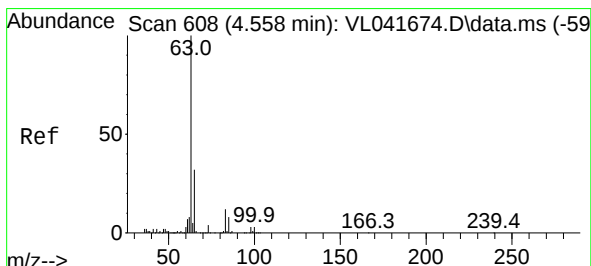
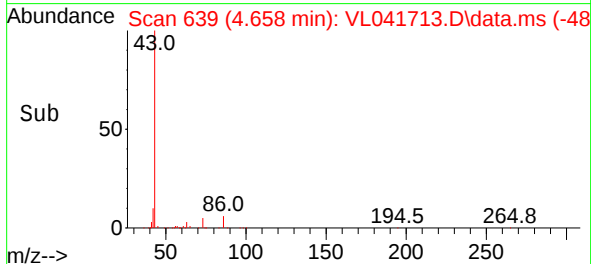
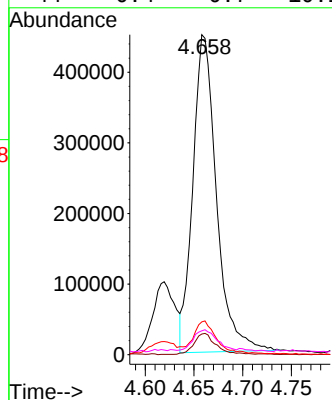
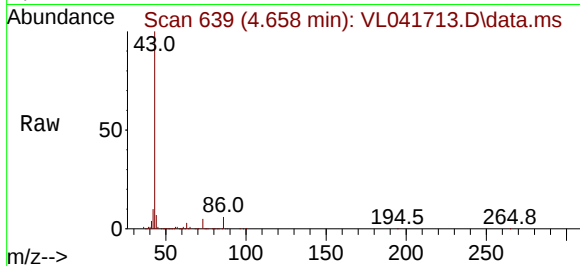


#23
 Vinyl Acetate
 Concen: 12.295 ppbv
 RT: 4.658 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Instrument :
 MSVOA_1
 ClientSampleId :
 VL1121ABS01

Tgt Ion: 43 Resp: 757071

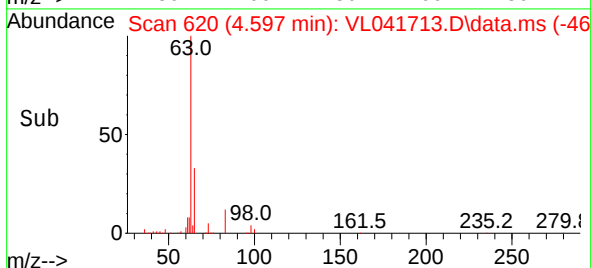
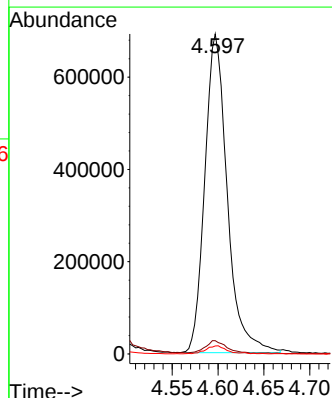
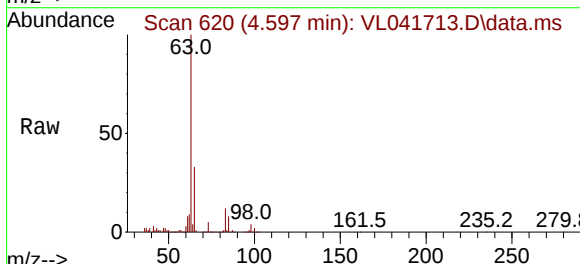
Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.3	7.9
42	10.1	8.5	12.7
44	6.4	6.7	10.1

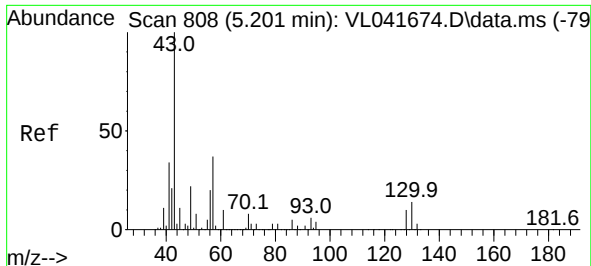


#24
 1,1-Dichloroethane
 Concen: 9.307 ppbv
 RT: 4.597 min Scan# 620
 Delta R.T. 0.003 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Tgt Ion: 63 Resp: 1176486

Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.8	5.4
100	2.4	1.4	4.2





#25

Ethyl Acetate

Concen: 9.267 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

Tgt Ion: 43 Resp: 2679235

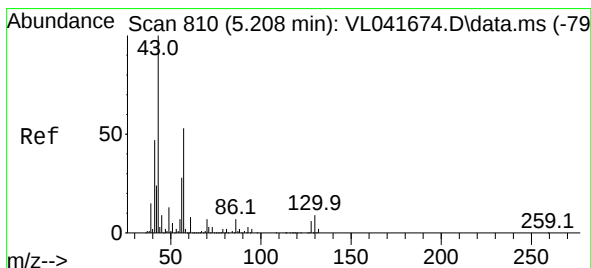
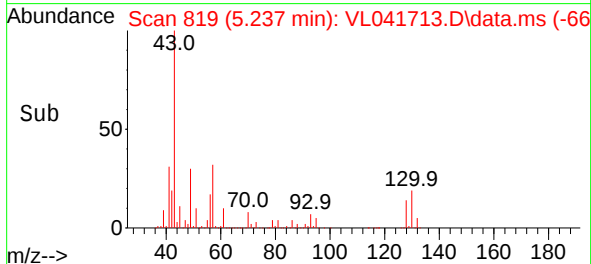
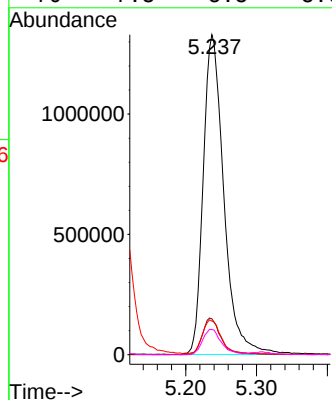
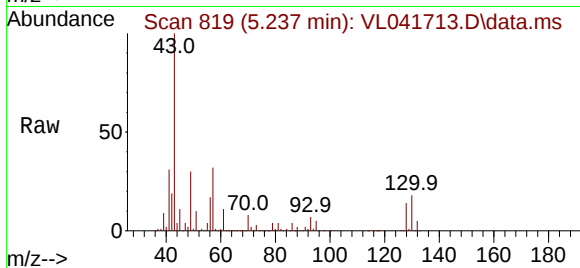
Ion Ratio Lower Upper

43 100

45 10.5 8.6 13.0

61 10.1 8.4 12.6

70 7.3 5.8 8.6



#26

Hexane

Concen: 9.591 ppbv

RT: 5.246 min Scan# 822

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Tgt Ion: 57 Resp: 1065415

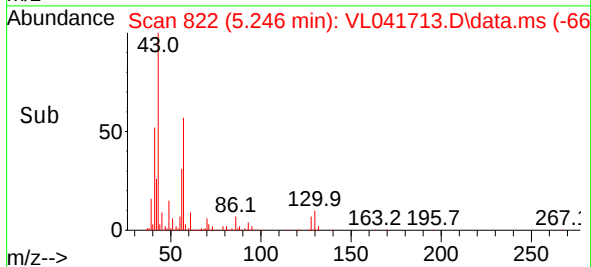
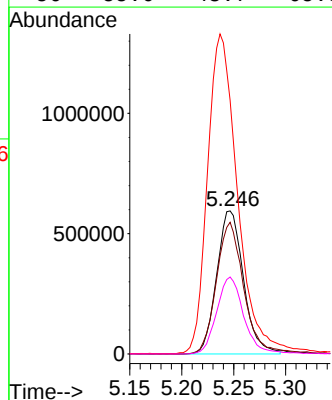
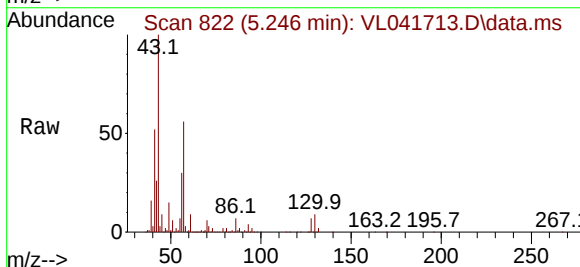
Ion Ratio Lower Upper

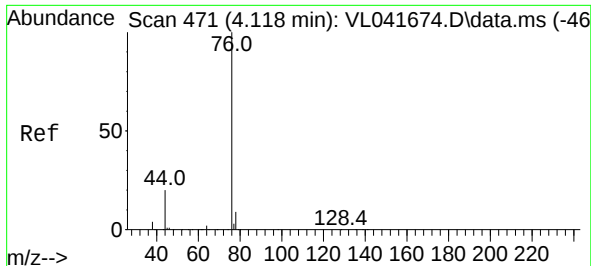
57 100

41 95.7 76.1 114.1

43 252.9 207.0 310.6

56 55.0 43.7 65.5

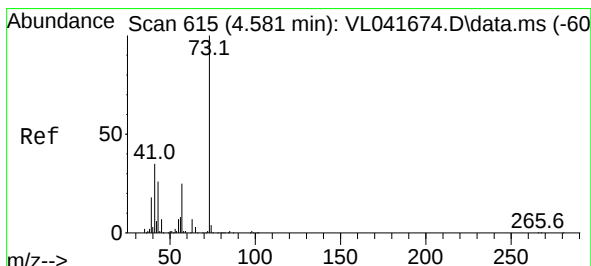
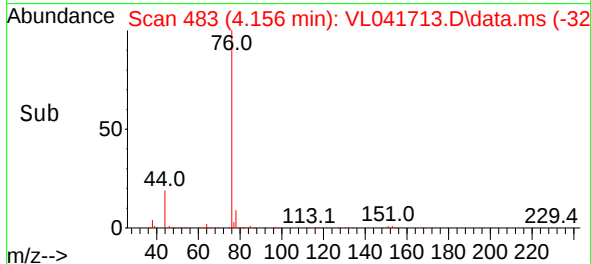
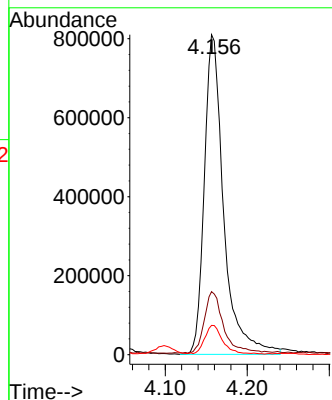
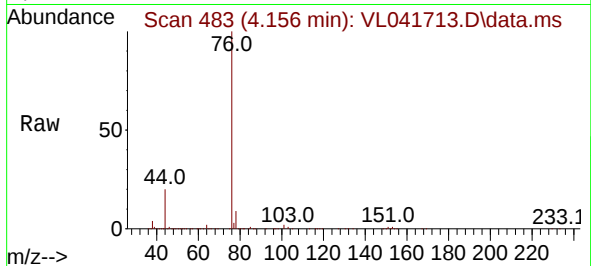




#27
Carbon Disulfide
Concen: 10.640 ppbv
RT: 4.156 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

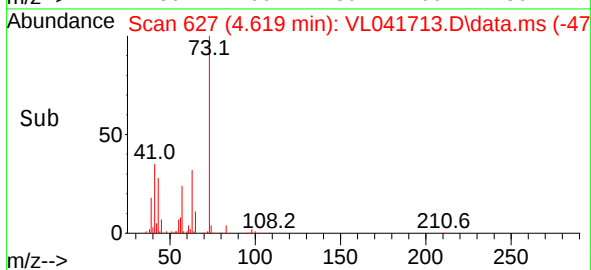
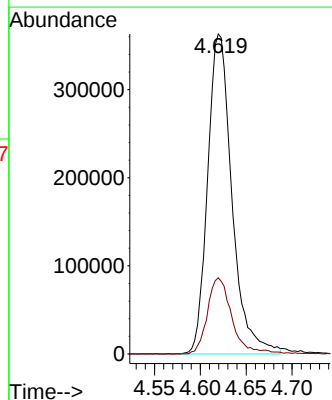
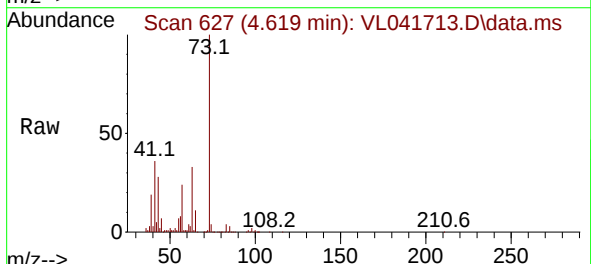
Instrument :
MSVOA_1
ClientSampleId :
VL1121ABS01

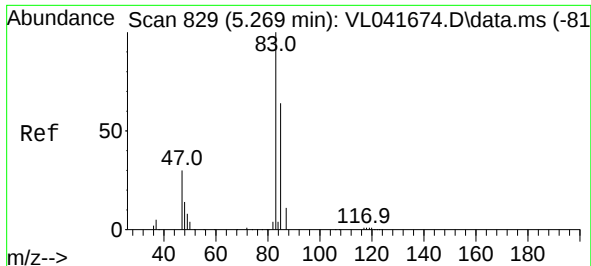
Tgt Ion: 76 Resp: 1327851
Ion Ratio Lower Upper
76 100
44 19.4 15.8 23.8
78 9.2 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 9.371 ppbv
RT: 4.619 min Scan# 627
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 73 Resp: 670312
Ion Ratio Lower Upper
73 100
57 24.2 19.6 29.4





#29

Chloroform

Concen: 9.236 ppbv

RT: 5.308 min Scan# 84

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_1

ClientSampleId :

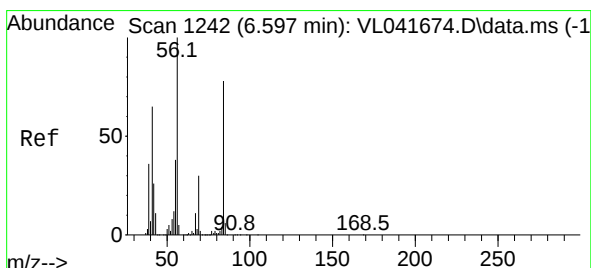
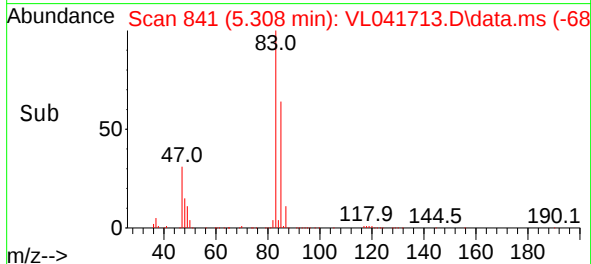
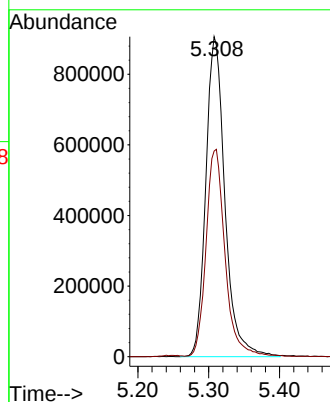
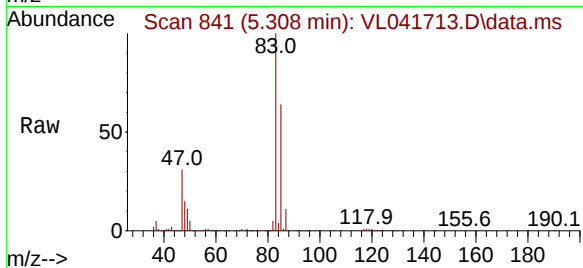
VL1121ABS01

Tgt Ion: 83 Resp: 1693486

Ion Ratio Lower Upper

83 100

85 64.0 51.1 76.7



#30

Cyclohexane

Concen: 9.550 ppbv

RT: 6.635 min Scan# 1254

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

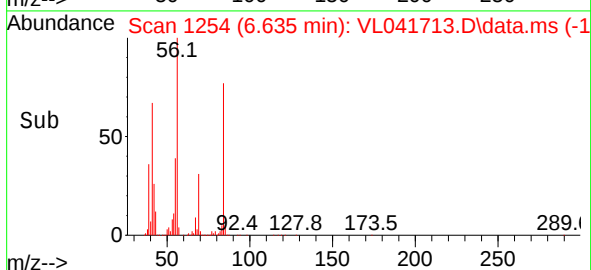
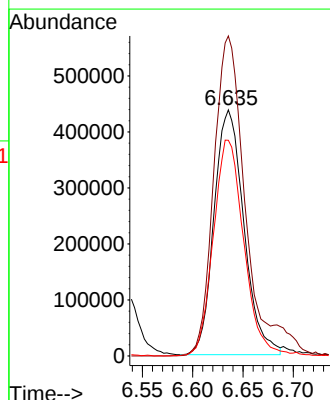
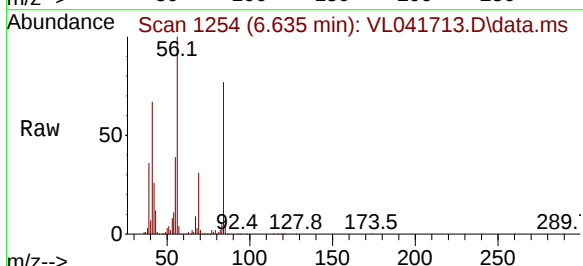
Tgt Ion: 84 Resp: 903309

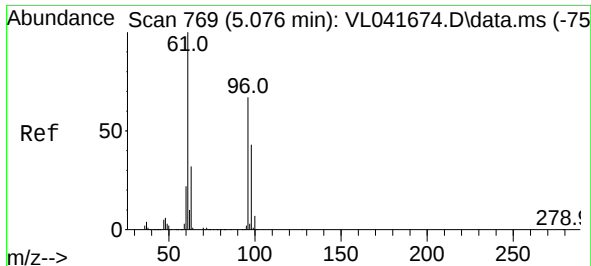
Ion Ratio Lower Upper

84 100

56 140.7 110.8 166.2

41 90.5 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 9.755 ppbv

RT: 5.111 min Scan# 769

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

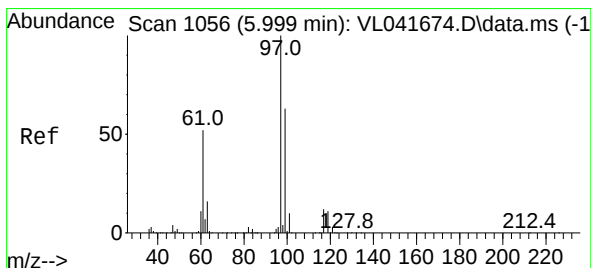
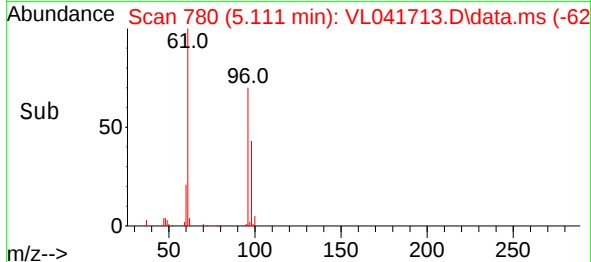
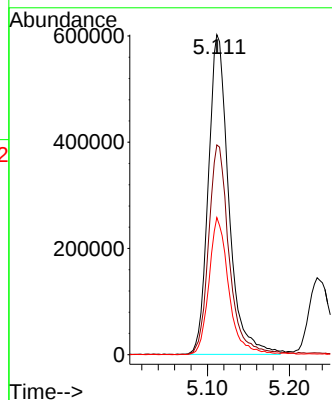
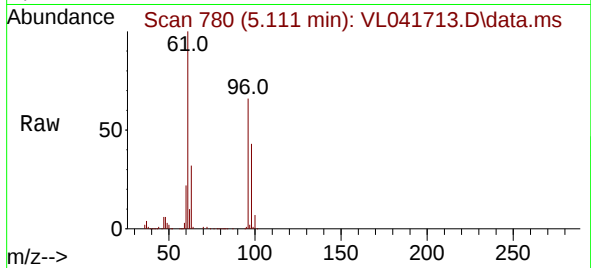
Tgt Ion: 61 Resp: 1042430

Ion Ratio Lower Upper

61 100

96 65.6 53.4 80.2

98 42.8 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 9.978 ppbv

RT: 6.037 min Scan# 1068

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

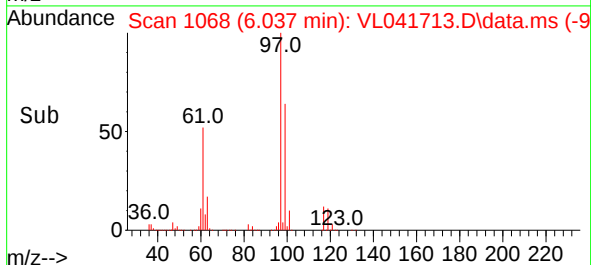
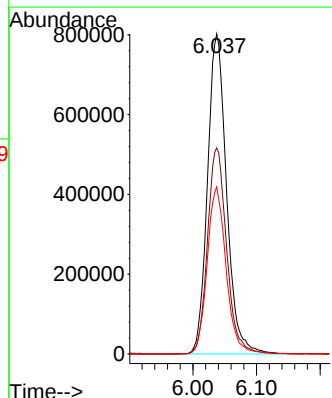
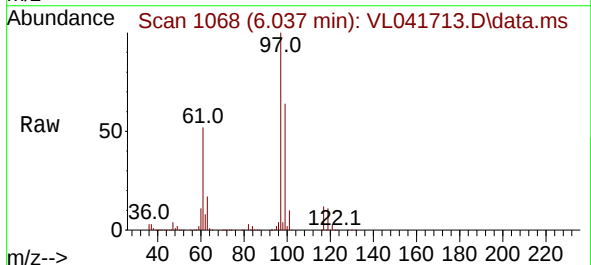
Tgt Ion: 97 Resp: 1669061

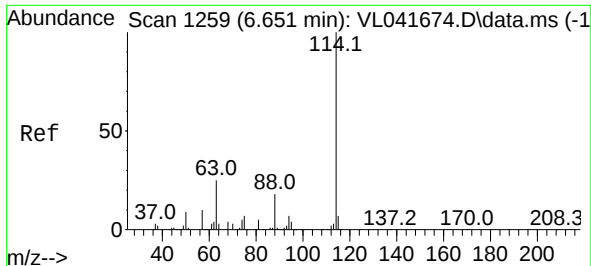
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.2

61 52.1 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.687 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

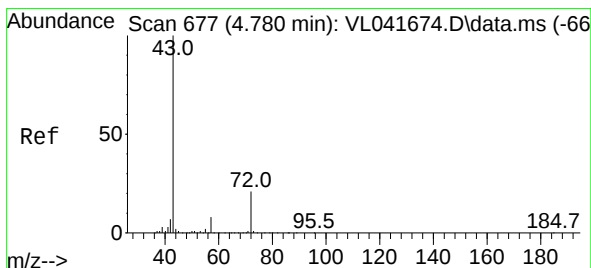
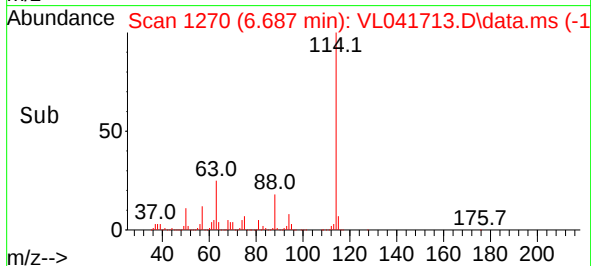
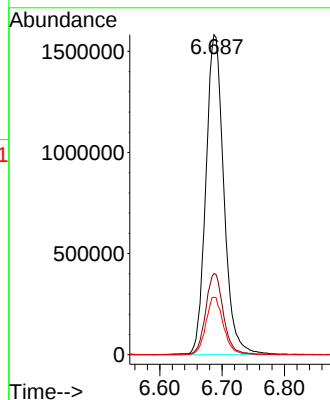
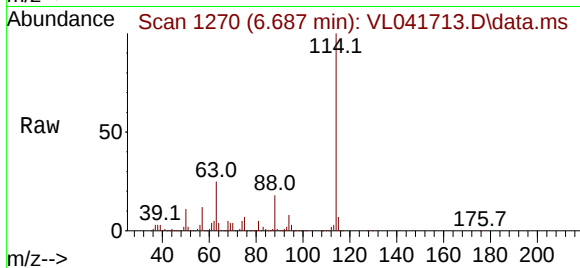
Tgt Ion:114 Resp: 3168983

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 17.6 14.2 21.4



#34

2-Butanone

Concen: 8.985 ppbv

RT: 4.819 min Scan# 689

Delta R.T. 0.003 min

Lab File: VL041713.D

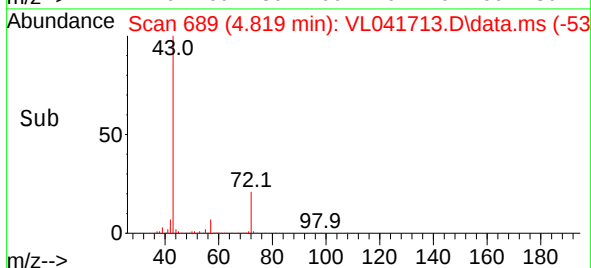
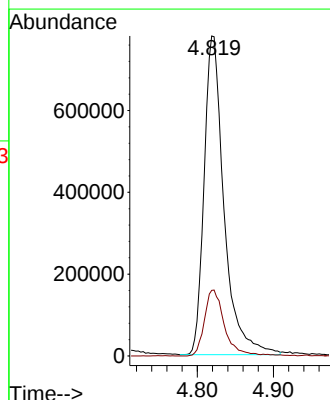
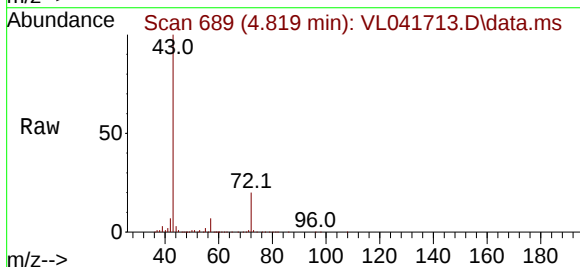
Acq: 21 Nov 2024 10:16

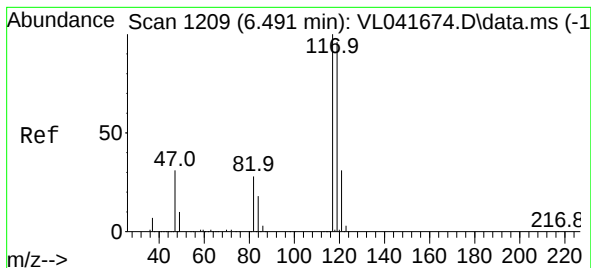
Tgt Ion: 43 Resp: 1417727

Ion Ratio Lower Upper

43 100

72 21.1 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.418 ppbv

RT: 6.529 min Scan# 1182

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

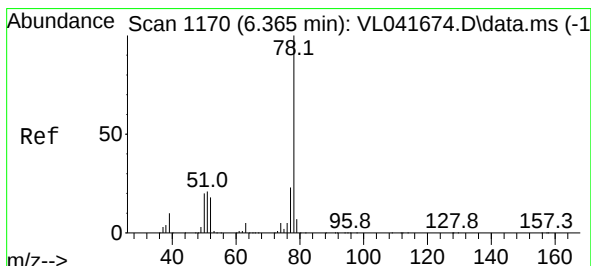
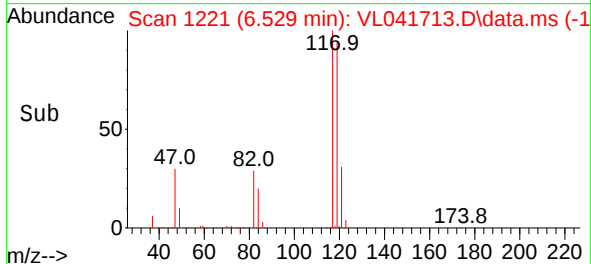
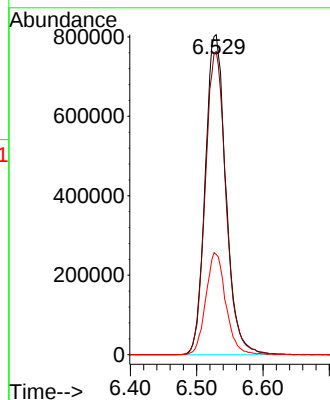
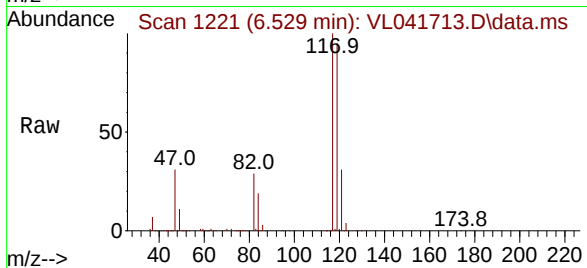
Tgt Ion:117 Resp: 1741838

Ion Ratio Lower Upper

117 100

119 94.7 77.2 115.8

121 31.3 25.0 37.4



#36

Benzene

Concen: 9.847 ppbv

RT: 6.404 min Scan# 1182

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

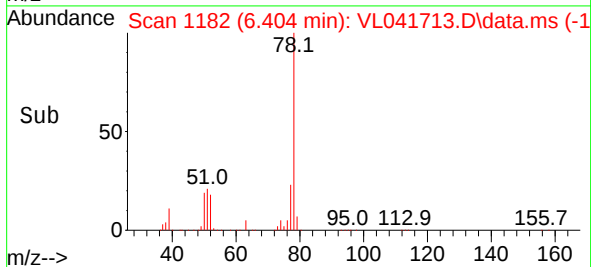
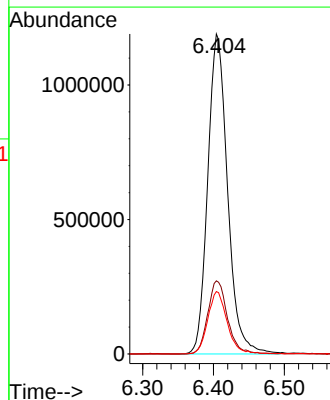
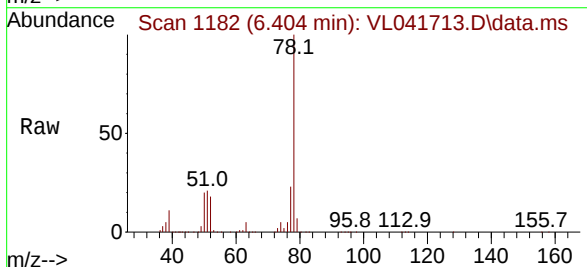
Tgt Ion: 78 Resp: 2312069

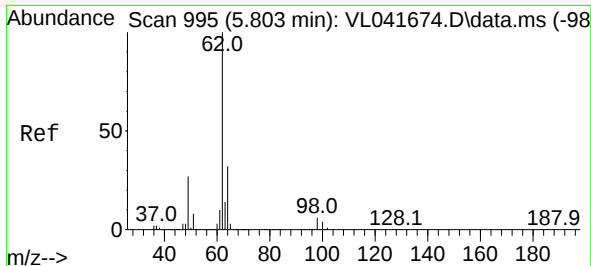
Ion Ratio Lower Upper

78 100

77 22.8 18.5 27.7

50 19.5 15.6 23.4





#37

1,2-Dichloroethane

Concen: 9.693 ppbv

RT: 5.841 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

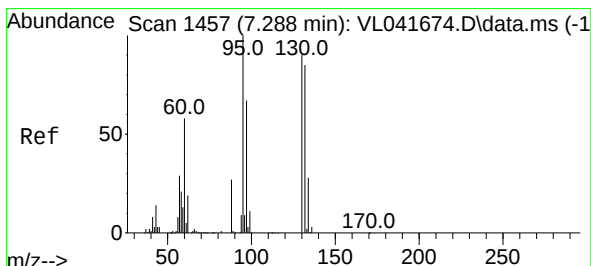
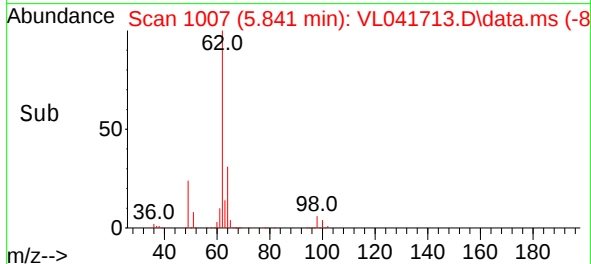
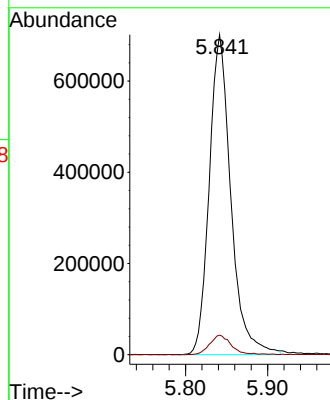
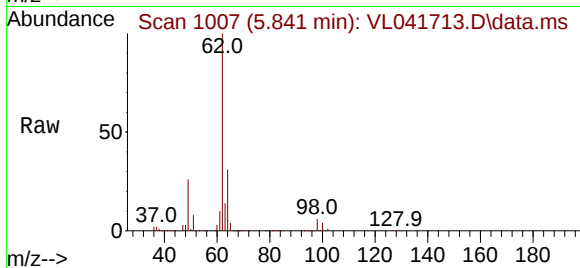
VL1121ABS01

Tgt Ion: 62 Resp: 1284047

Ion Ratio Lower Upper

62 100

98 6.3 5.2 7.8



#38

Trichloroethene

Concen: 14.303 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Tgt Ion:130 Resp: 1289883

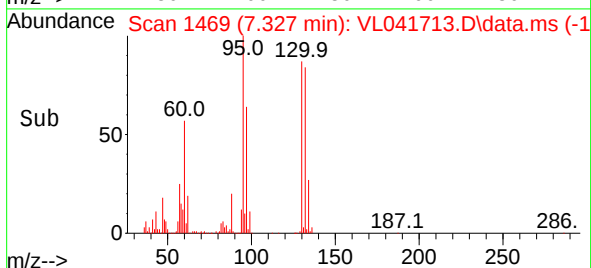
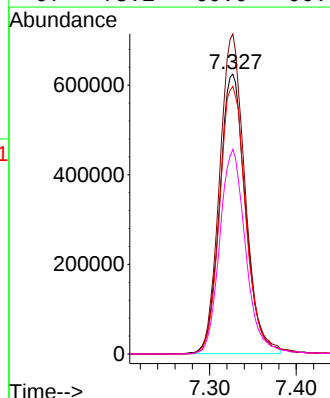
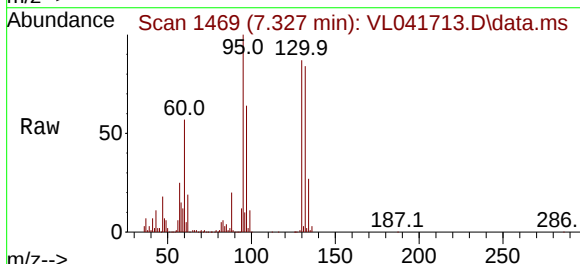
Ion Ratio Lower Upper

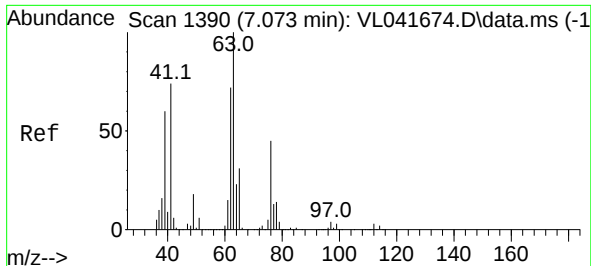
130 100

95 114.5 89.1 133.7

132 95.7 75.7 113.5

97 73.1 60.0 90.0





#39

1,2-Dichloropropane

Concen: 9.610 ppbv

RT: 7.105 min Scan# 14

Delta R.T. -0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

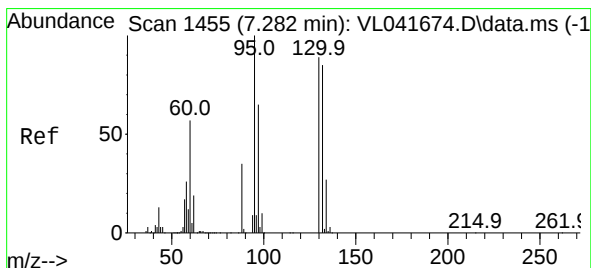
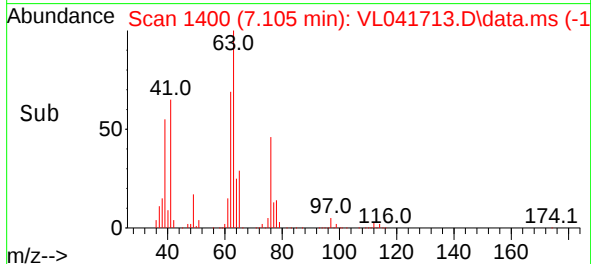
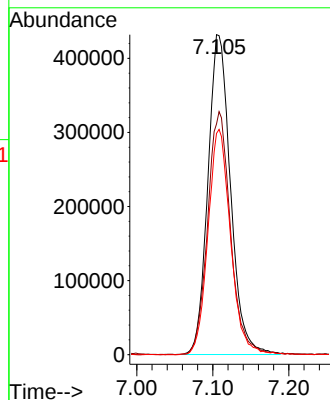
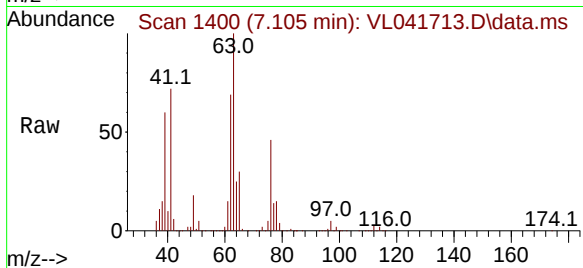
Tgt Ion: 63 Resp: 891656

Ion Ratio Lower Upper

63 100

41 72.0 59.1 88.7

62 69.2 57.7 86.5



#40

1,4-Dioxane

Concen: 10.912 ppbv

RT: 7.317 min Scan# 1466

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Tgt Ion: 88 Resp: 363295

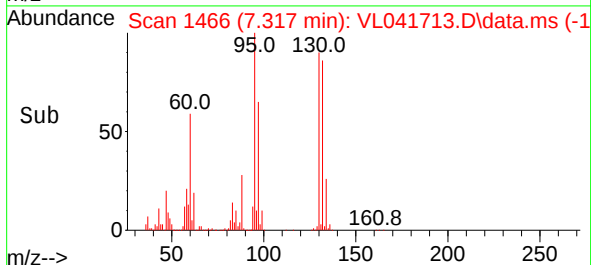
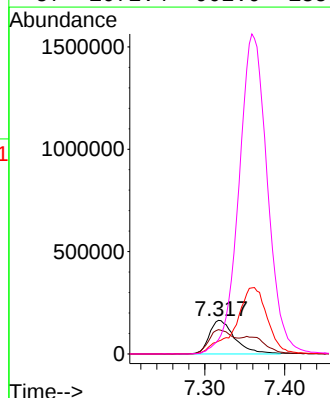
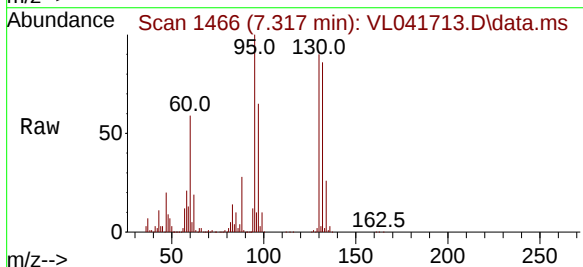
Ion Ratio Lower Upper

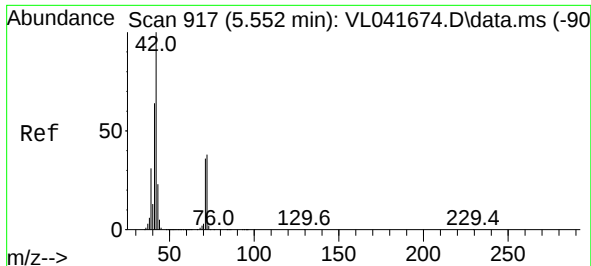
88 100

58 120.6 101.4 152.2

43 249.9 208.0 312.0

57 1072.4 902.9 1354.3





#41

Tetrahydrofuran

Concen: 10.375 ppbv

RT: 5.590 min Scan# 917

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

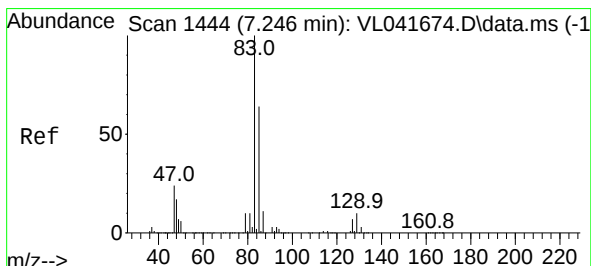
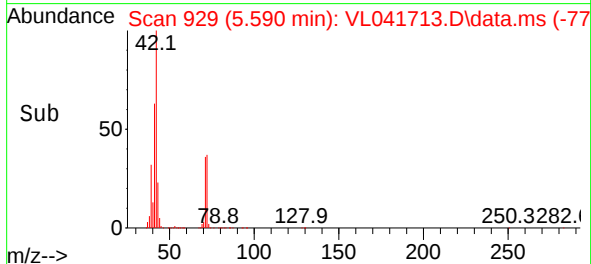
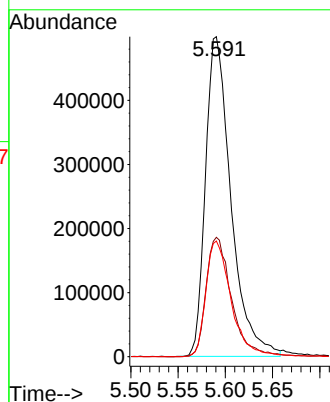
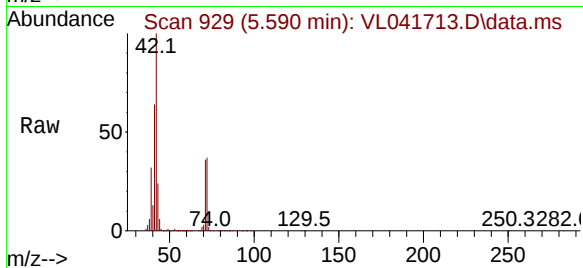
Tgt Ion: 42 Resp: 934965

Ion Ratio Lower Upper

42 100

72 37.8 29.8 44.6

71 36.3 29.4 44.2



#42

Bromodichloromethane

Concen: 9.994 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

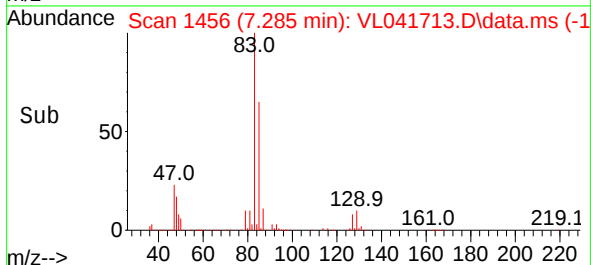
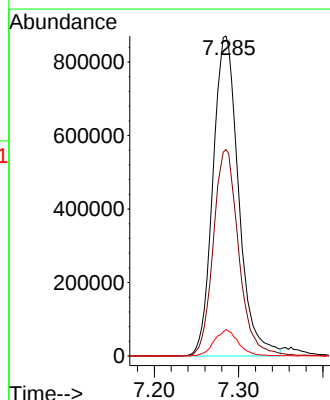
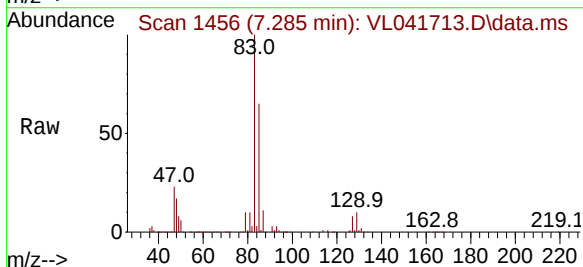
Tgt Ion: 83 Resp: 1839599

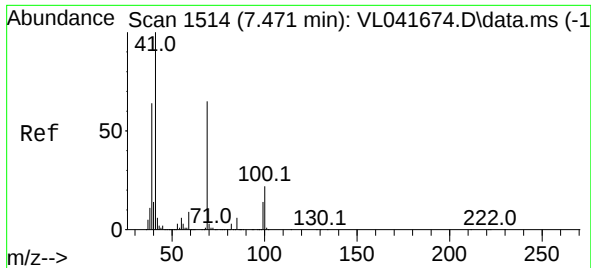
Ion Ratio Lower Upper

83 100

85 64.5 51.2 76.8

127 8.2 6.0 9.0

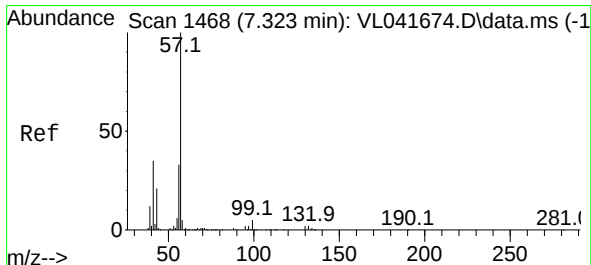
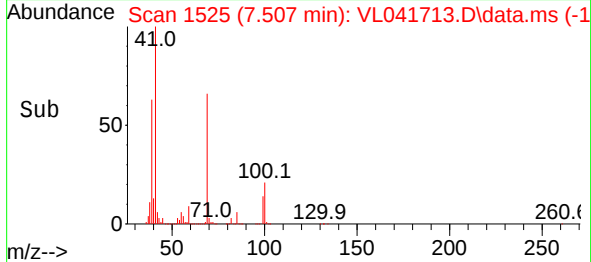
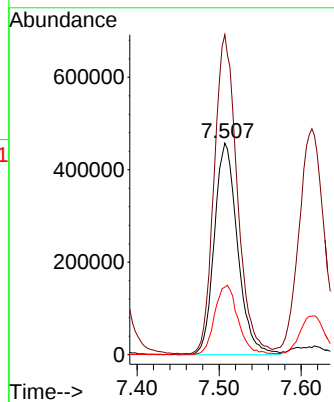
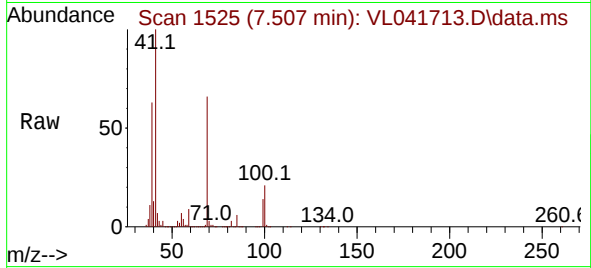




#43
Methyl Methacrylate
Concen: 10.937 ppbv
RT: 7.507 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

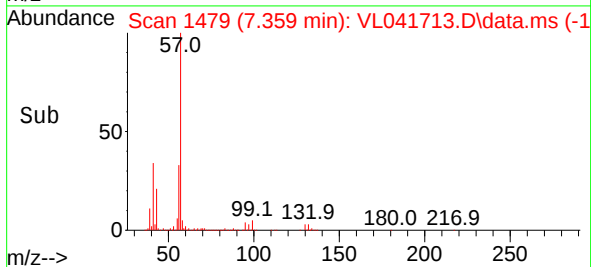
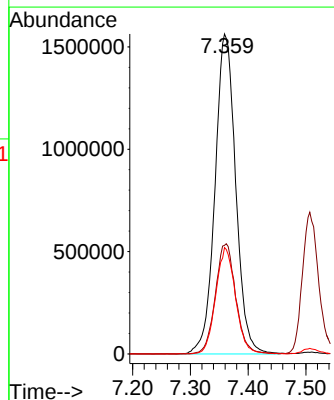
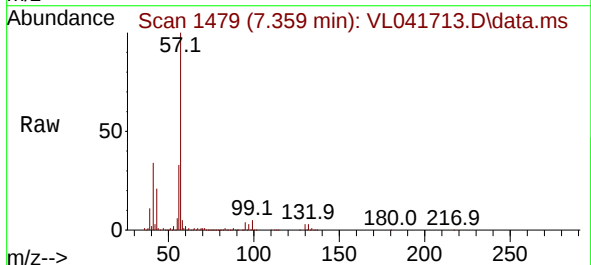
Instrument :
MSVOA_1
ClientSampleId :
VL1121ABS01

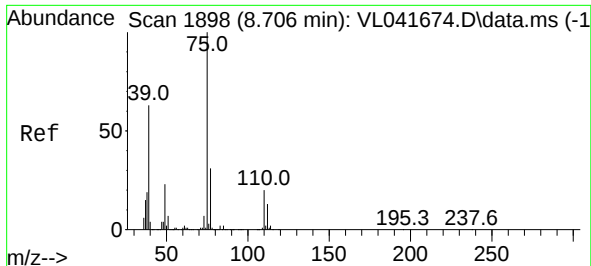
Tgt Ion: 69 Resp: 901641
Ion Ratio Lower Upper
69 100
41 150.0 119.8 179.6
100 33.1 27.3 40.9



#44
2,2,4-Trimethylpentane
Concen: 9.791 ppbv
RT: 7.359 min Scan# 1479
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 57 Resp: 3894162
Ion Ratio Lower Upper
57 100
41 33.9 27.0 40.6
56 31.9 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 9.931 ppbv

RT: 8.745 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

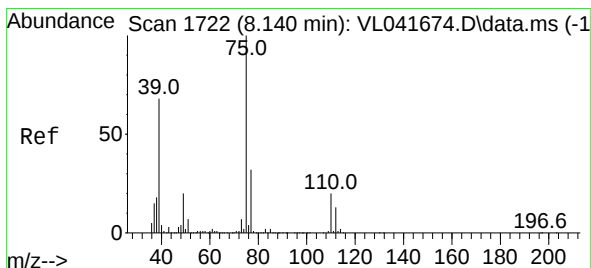
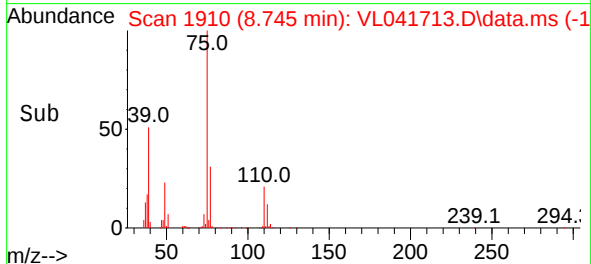
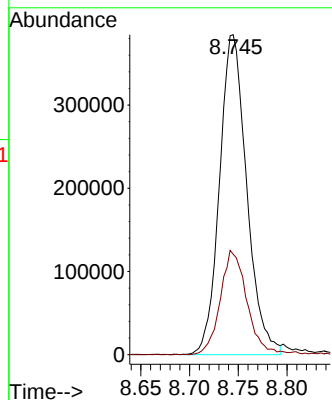
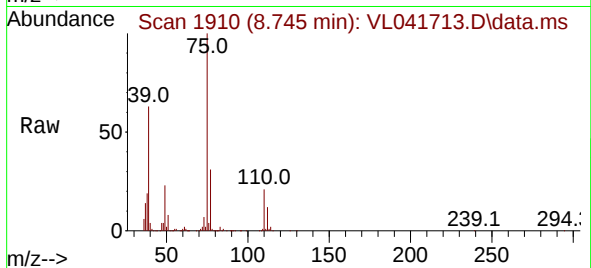
VL1121ABS01

Tgt Ion: 75 Resp: 748133

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 10.203 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

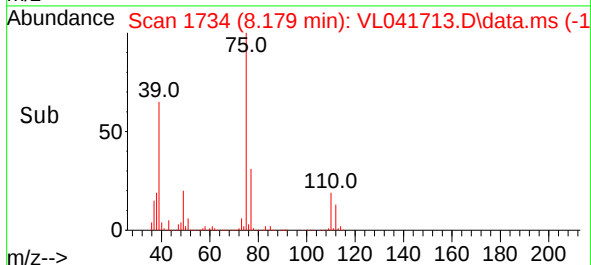
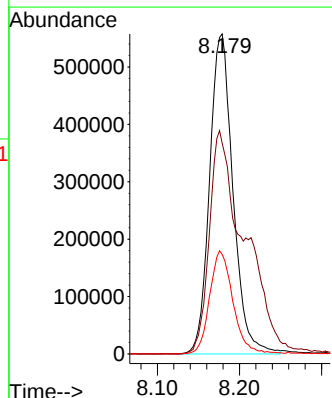
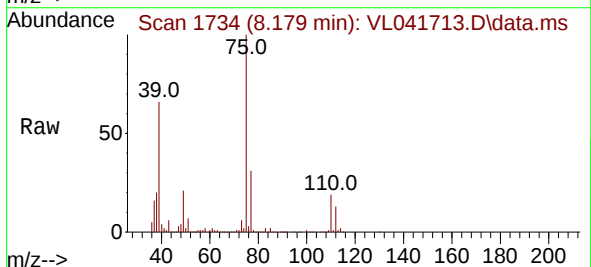
Tgt Ion: 75 Resp: 1103972

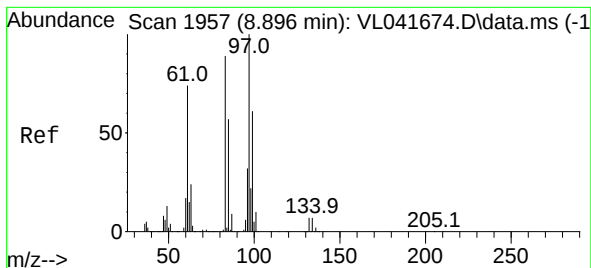
Ion Ratio Lower Upper

75 100

39 65.9 54.1 81.1

77 31.1 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 9.451 ppbv

RT: 8.934 min Scan# 1957

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

Tgt Ion: 97 Resp: 949123

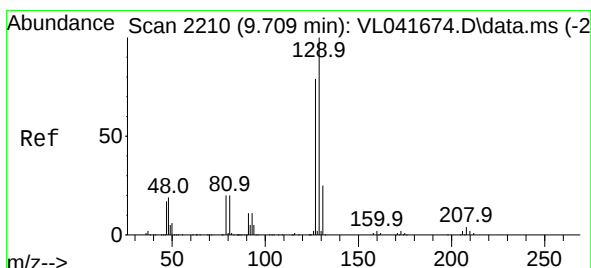
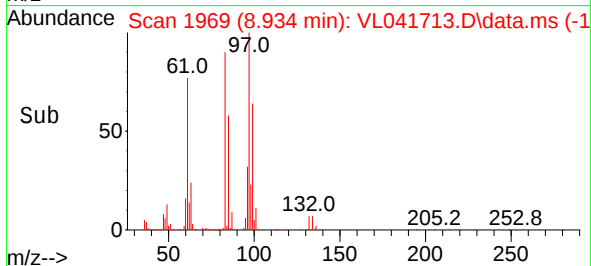
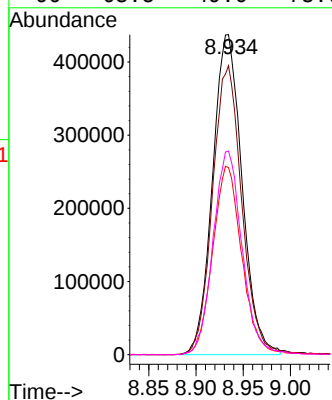
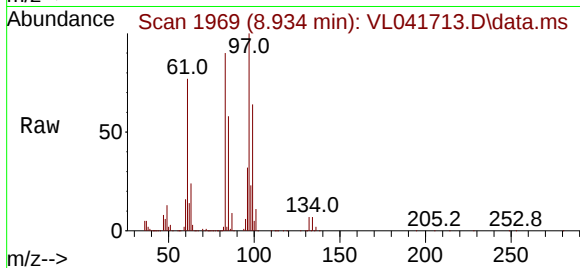
Ion Ratio Lower Upper

97 100

83 90.1 71.0 106.6

85 58.3 45.4 68.2

99 63.5 49.0 73.6



#48

Dibromochloromethane

Concen: 10.178 ppbv

RT: 9.745 min Scan# 2221

Delta R.T. 0.003 min

Lab File: VL041713.D

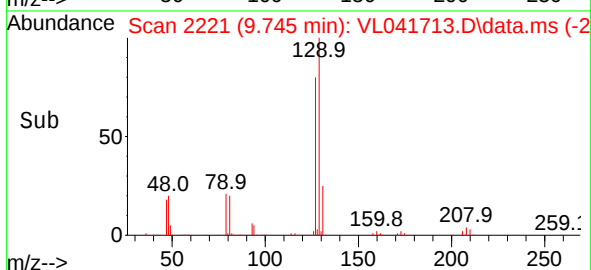
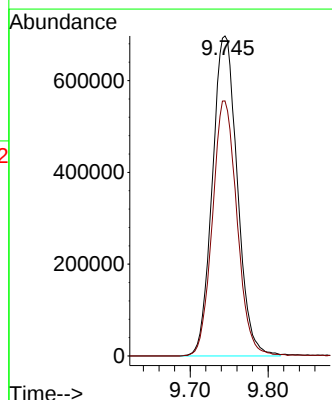
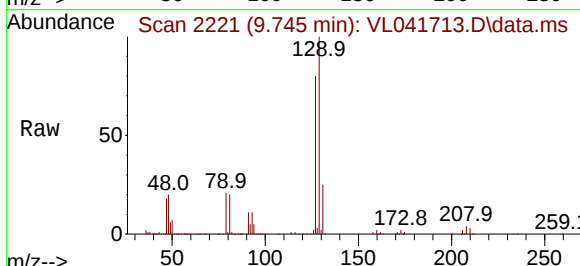
Acq: 21 Nov 2024 10:16

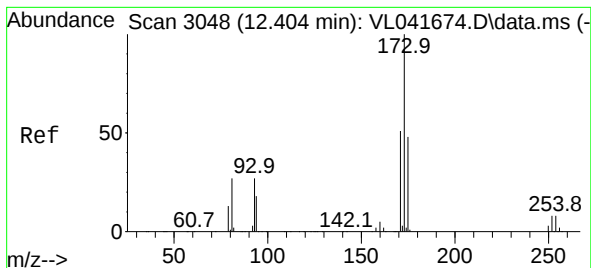
Tgt Ion: 129 Resp: 1553797

Ion Ratio Lower Upper

129 100

127 78.5 39.1 117.2





#49

Bromoform

Concen: 10.451 ppbv

RT: 12.439 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

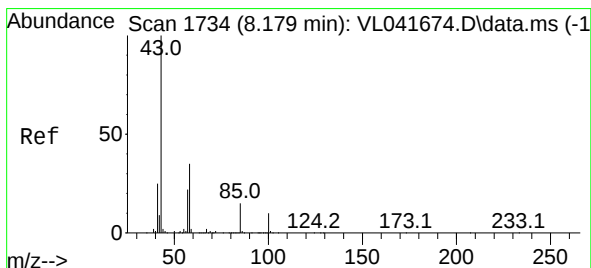
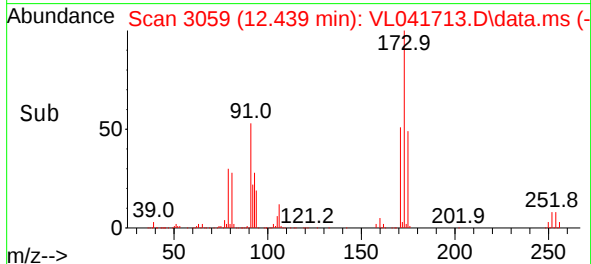
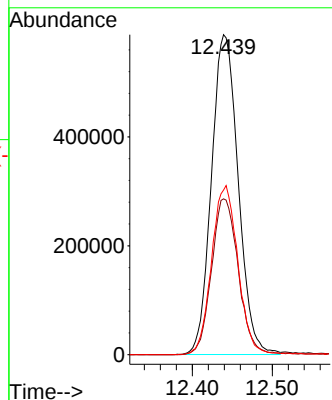
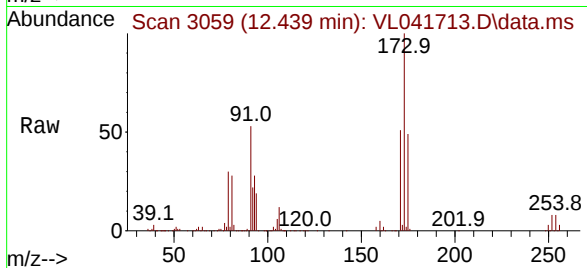
Tgt Ion:173 Resp: 1365111

Ion Ratio Lower Upper

173 100

175 49.0 39.2 58.8

171 52.2 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 10.366 ppbv

RT: 8.214 min Scan# 1745

Delta R.T. 0.003 min

Lab File: VL041713.D

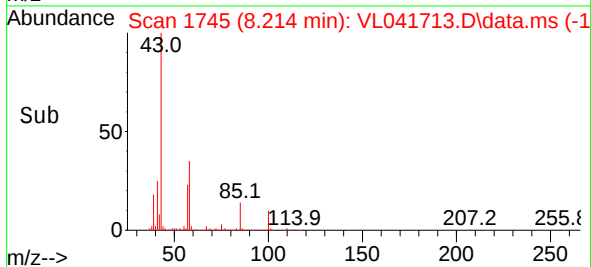
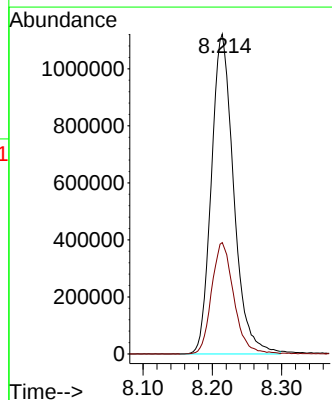
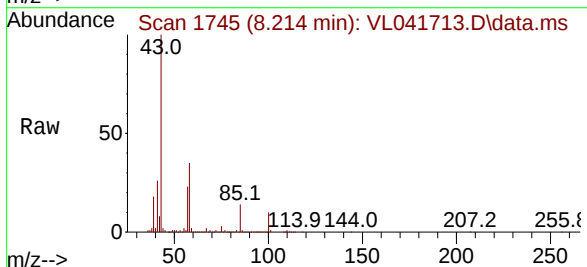
Acq: 21 Nov 2024 10:16

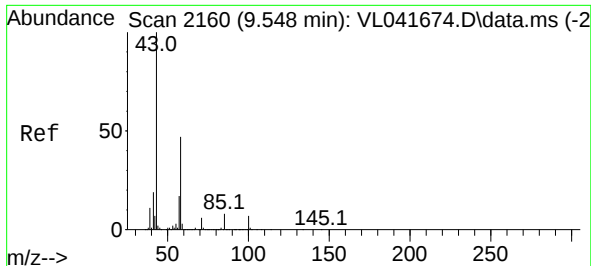
Tgt Ion: 43 Resp: 2511109

Ion Ratio Lower Upper

43 100

58 34.9 27.7 41.5

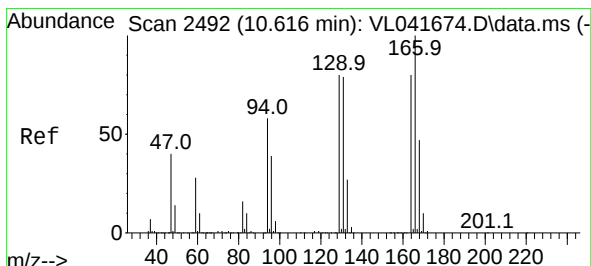
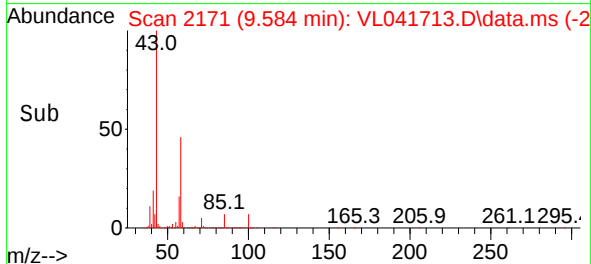
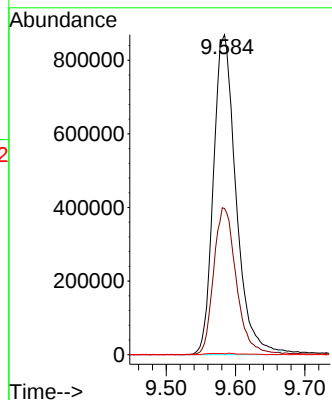
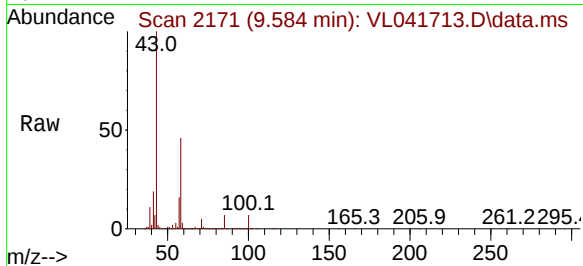




#51
2-Hexanone
Concen: 11.157 ppbv
RT: 9.584 min Scan# 2160
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

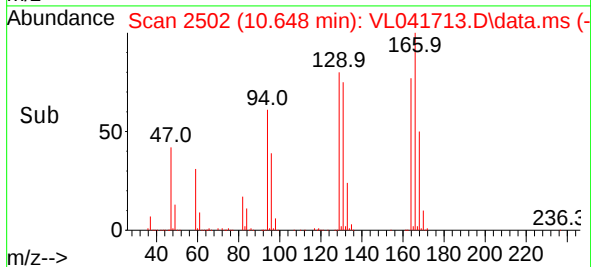
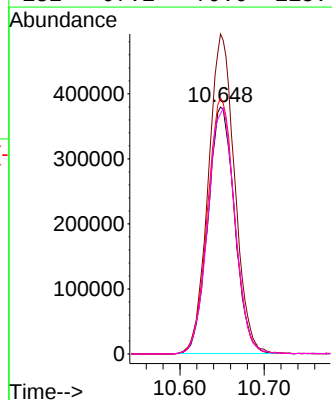
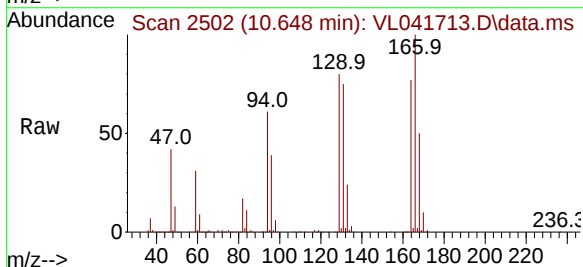
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

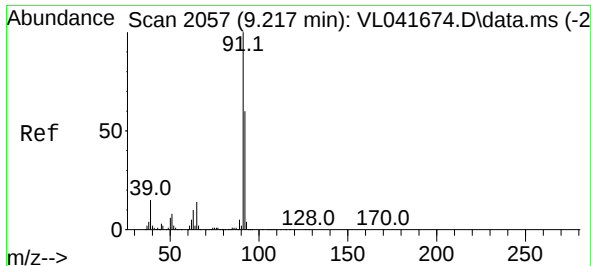
Tgt Ion: 43 Resp: 1968115
Ion Ratio Lower Upper
43 100
58 46.6 37.0 55.6
98 0.7 0.6 0.8



#52
Tetrachloroethene
Concen: 10.419 ppbv
RT: 10.648 min Scan# 2502
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 164 Resp: 833665
Ion Ratio Lower Upper
164 100
166 129.4 100.2 150.4
129 103.6 79.7 119.5
131 97.1 79.0 118.4





#53

Toluene

Concen: 10.664 ppbv

RT: 9.253 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

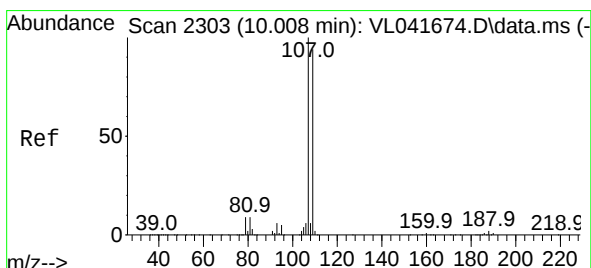
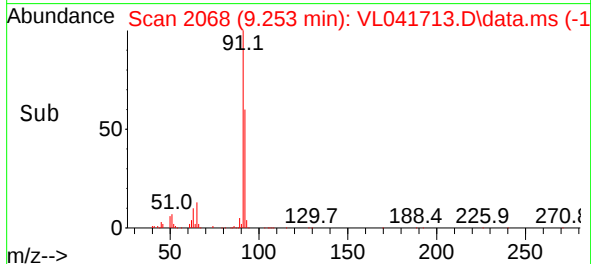
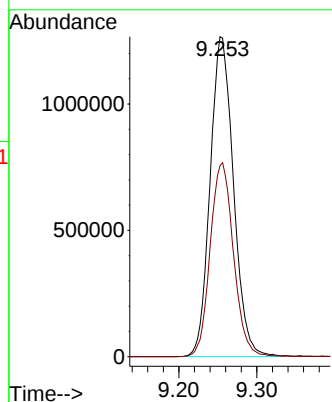
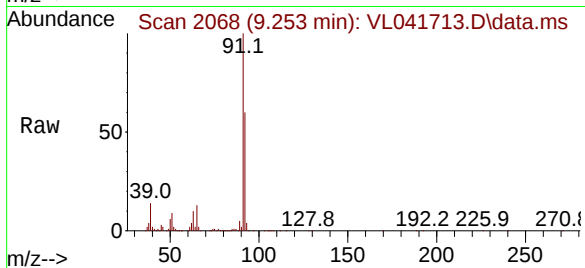
VL1121ABS01

Tgt Ion: 91 Resp: 2633054

Ion Ratio Lower Upper

91 100

92 60.6 49.0 73.4



#54

1,2-Dibromoethane

Concen: 10.629 ppbv

RT: 10.040 min Scan# 2313

Delta R.T. 0.000 min

Lab File: VL041713.D

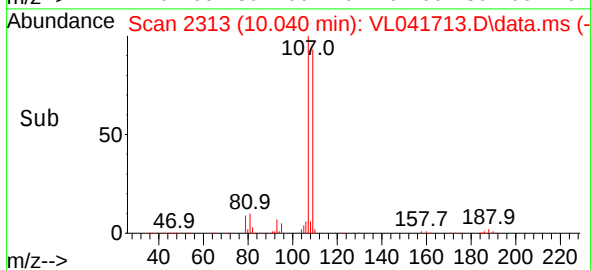
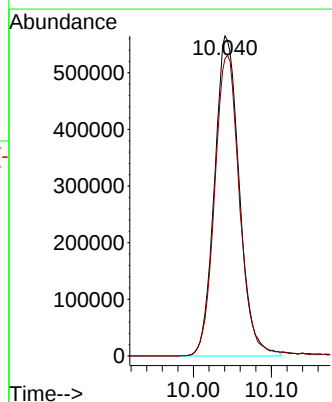
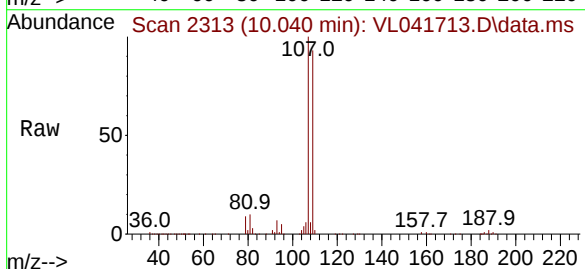
Acq: 21 Nov 2024 10:16

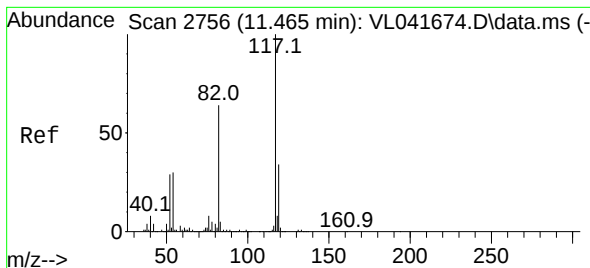
Tgt Ion:107 Resp: 1247128

Ion Ratio Lower Upper

107 100

109 93.0 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.500 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

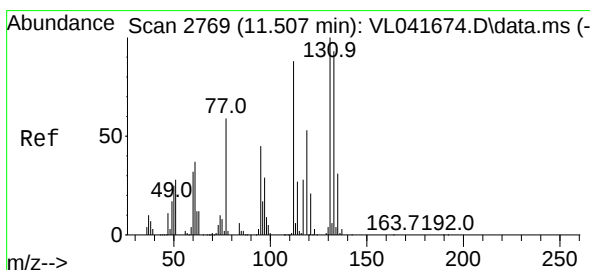
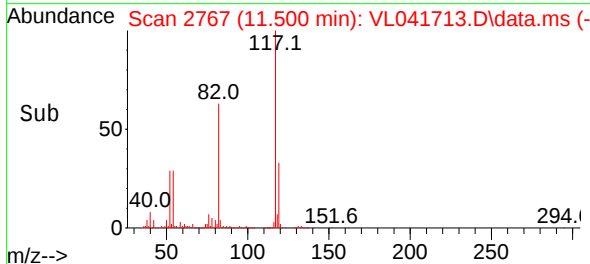
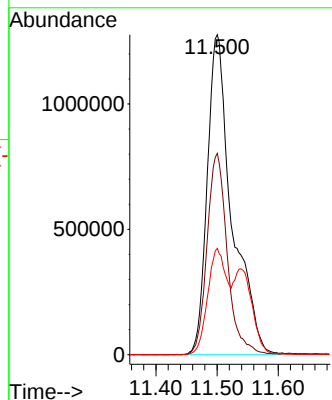
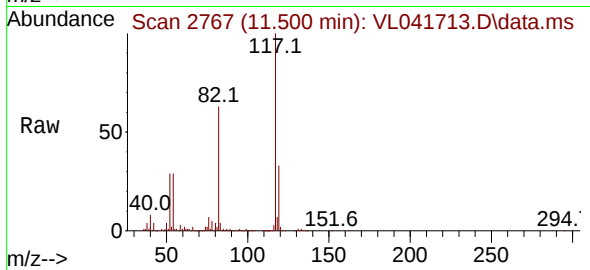
Tgt Ion:117 Resp: 3594883

Ion Ratio Lower Upper

117 100

82 51.9 49.8 74.8

119 26.3 24.2 36.4



#56

1,1,1,2-Tetrachloroethane

Concen: 7.813 ppbv

RT: 11.542 min Scan# 2780

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

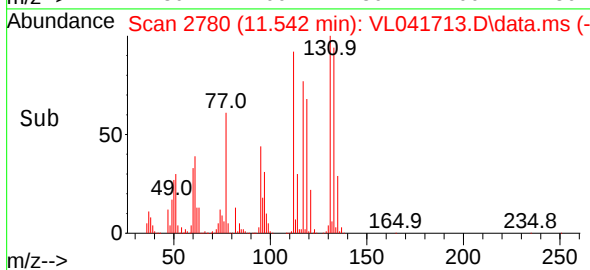
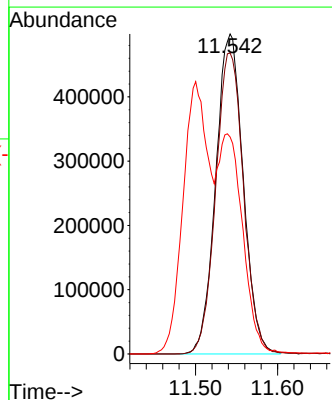
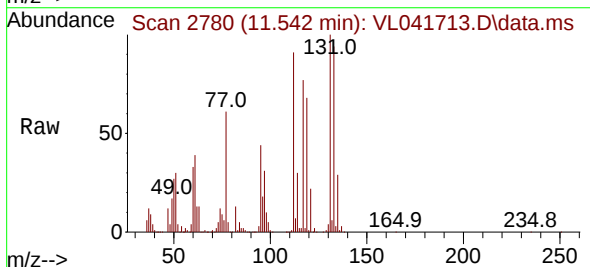
Tgt Ion:131 Resp: 1158400

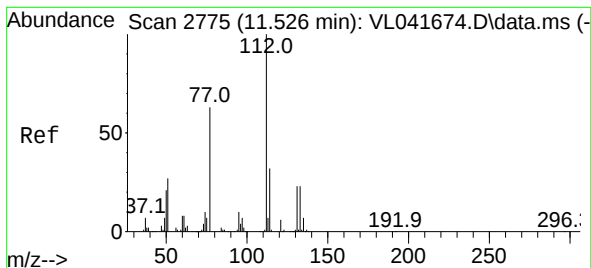
Ion Ratio Lower Upper

131 100

133 95.5 76.5 114.7

119 62.4 49.8 74.8

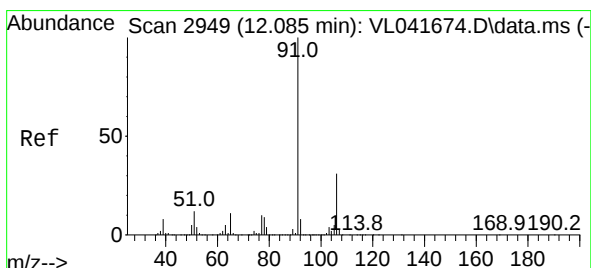
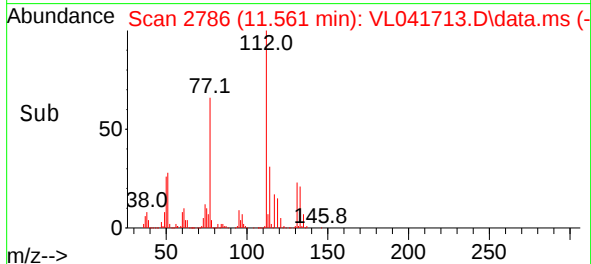
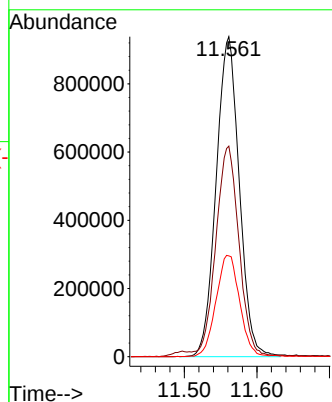
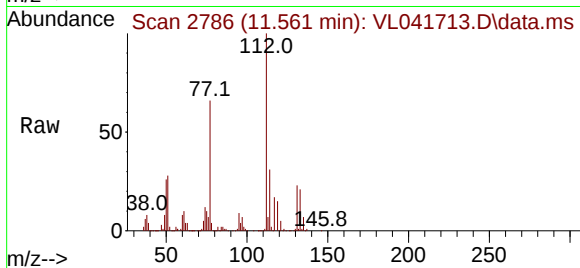




#57
Chlorobenzene
Concen: 7.816 ppbv
RT: 11.561 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

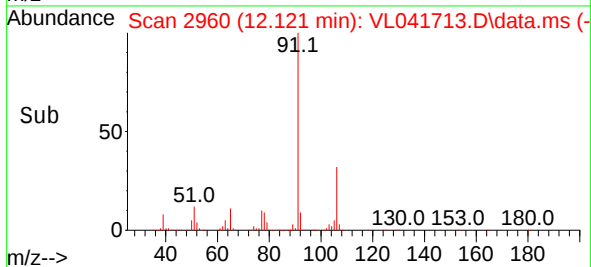
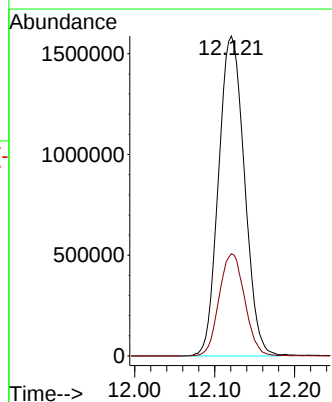
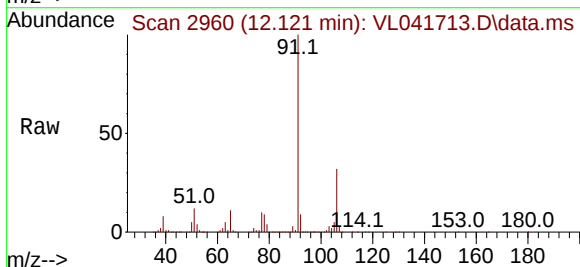
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

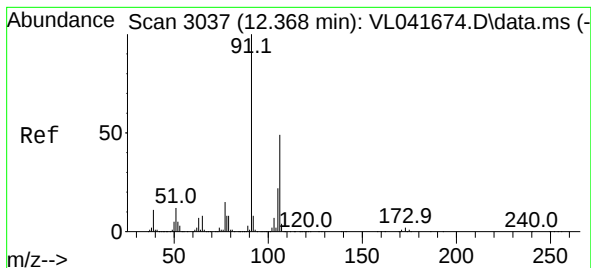
Tgt Ion:112 Resp: 2078199
Ion Ratio Lower Upper
112 100
77 65.4 51.4 77.2
114 31.4 28.4 34.8



#58
Ethyl Benzene
Concen: 9.048 ppbv
RT: 12.121 min Scan# 2960
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 91 Resp: 3565857
Ion Ratio Lower Upper
91 100
106 32.0 24.9 37.3





#59

m/p-Xylene

Concen: 8.997 ppbv

RT: 12.404 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_1

ClientSampleId :

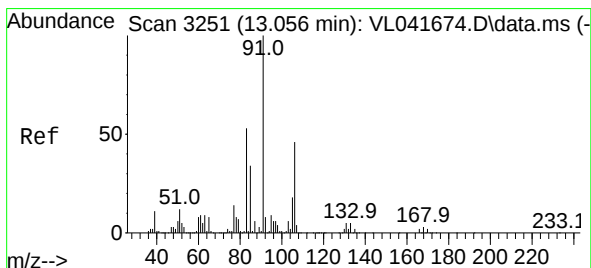
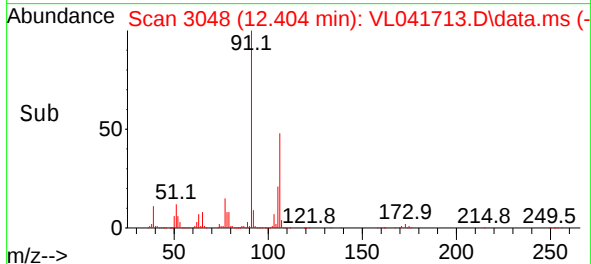
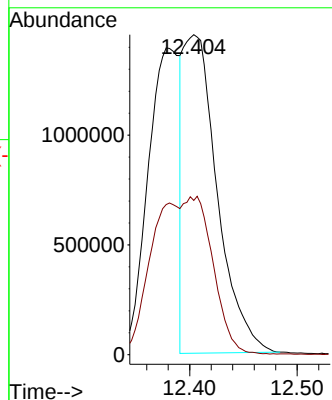
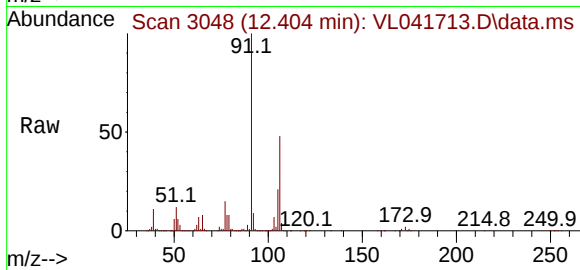
VL1121ABS01

Tgt Ion: 91 Resp: 3175161

Ion Ratio Lower Upper

91 100

106 88.2 36.9 55.3#



#60

o-Xylene

Concen: 8.832 ppbv

RT: 13.089 min Scan# 3261

Delta R.T. 0.000 min

Lab File: VL041713.D

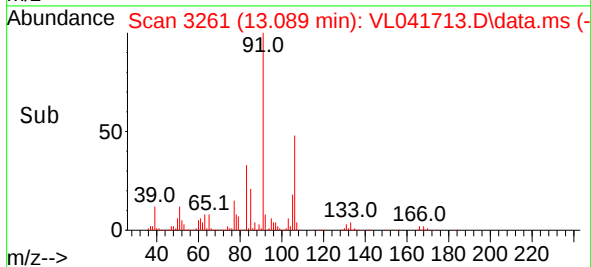
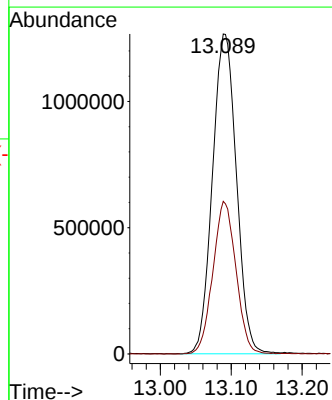
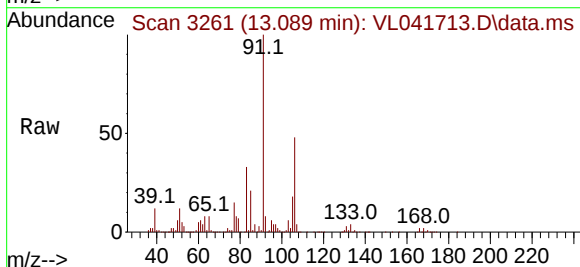
Acq: 21 Nov 2024 10:16

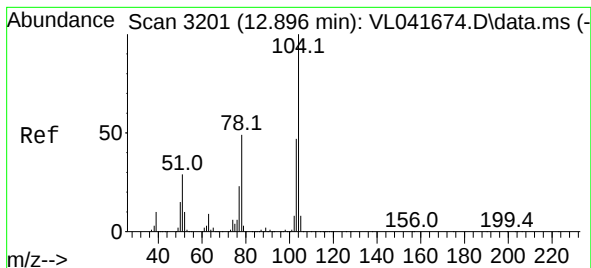
Tgt Ion: 91 Resp: 2972199

Ion Ratio Lower Upper

91 100

106 45.9 23.2 69.6





#61

Styrene

Concen: 10.154 ppbv

RT: 12.931 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

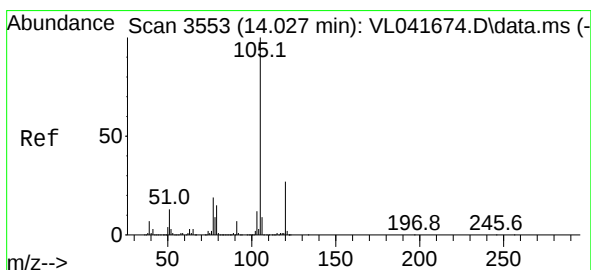
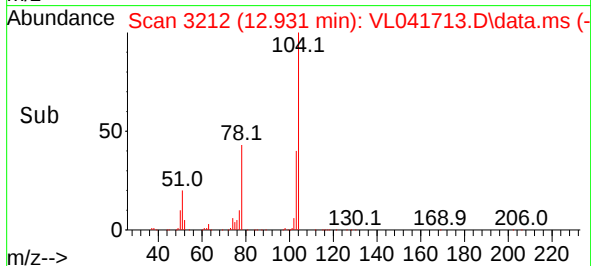
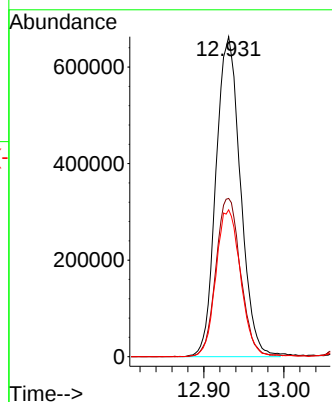
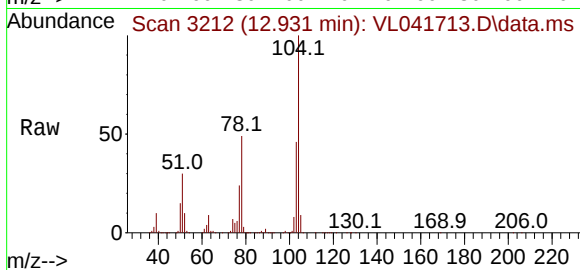
Tgt Ion:104 Resp: 1410360

Ion Ratio Lower Upper

104 100

78 50.4 39.8 59.8

103 46.8 37.4 56.0



#62

Isopropylbenzene

Concen: 8.202 ppbv

RT: 14.060 min Scan# 3563

Delta R.T. 0.000 min

Lab File: VL041713.D

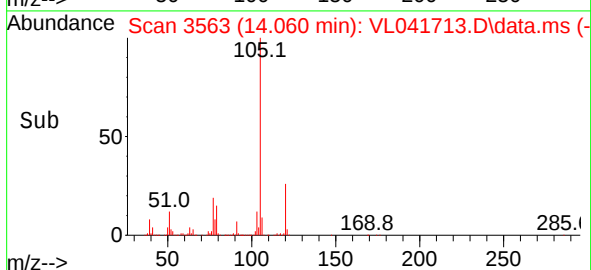
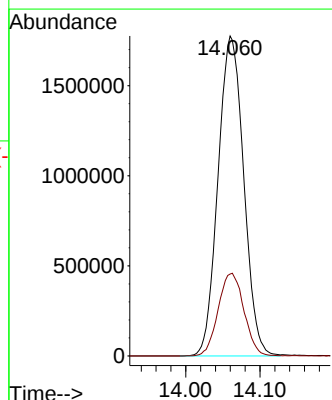
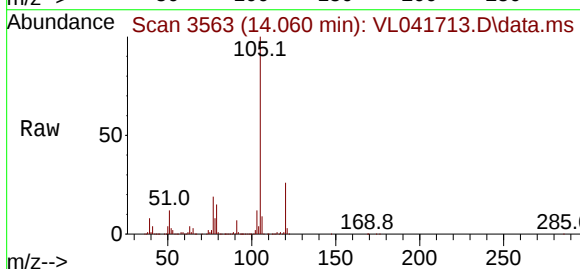
Acq: 21 Nov 2024 10:16

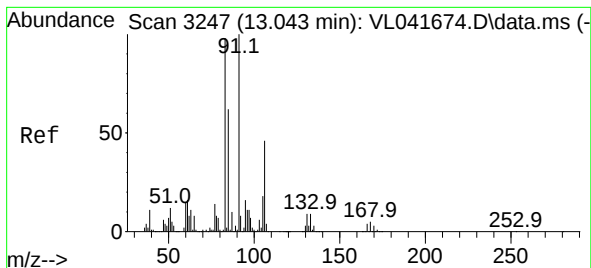
Tgt Ion:105 Resp: 4263154

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

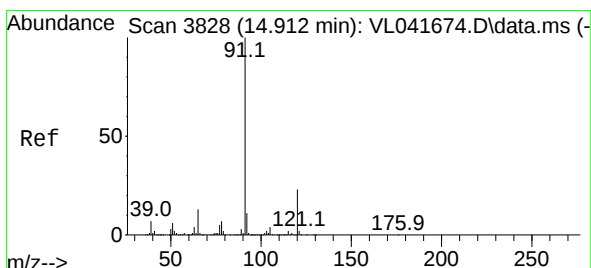
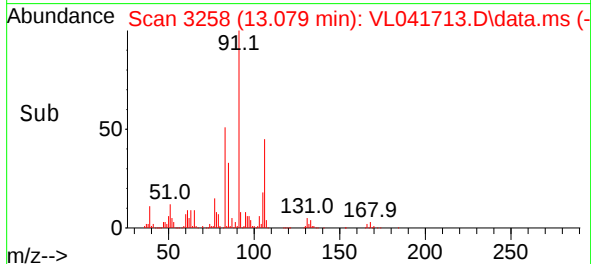
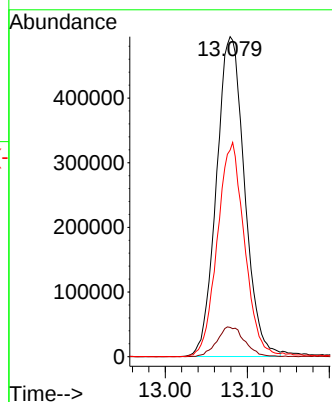
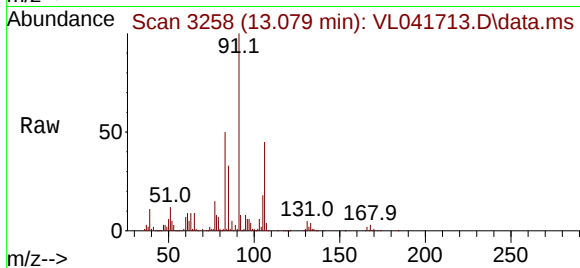




#63
1,1,2,2-Tetrachloroethane
Concen: 4.765 ppbv
RT: 13.079 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

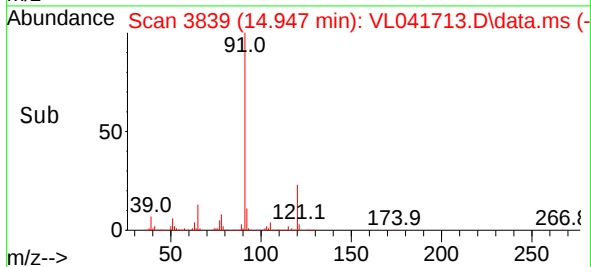
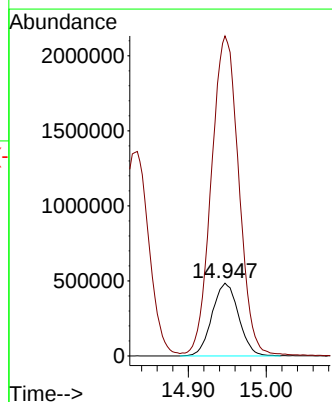
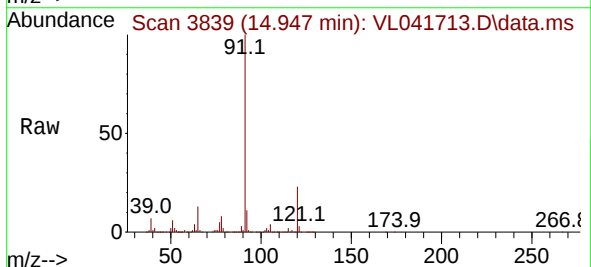
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

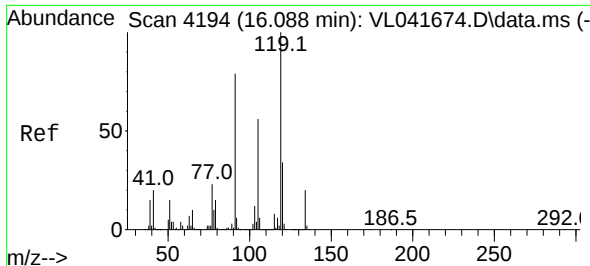
Tgt Ion: 83 Resp: 1179536
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.3
85 65.8 32.6 98.0



#64
n-propylbenzene
Concen: 8.427 ppbv
RT: 14.947 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:120 Resp: 1146628
Ion Ratio Lower Upper
120 100
91 456.5 362.4 543.6





#65

tert-Butylbenzene

Concen: 8.213 ppbv

RT: 16.121 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

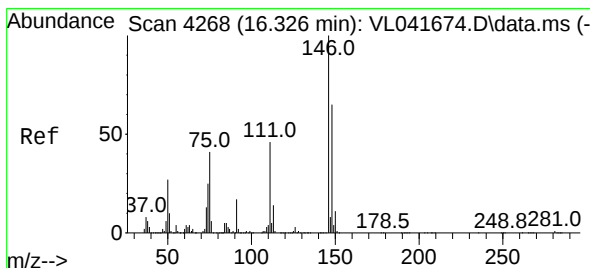
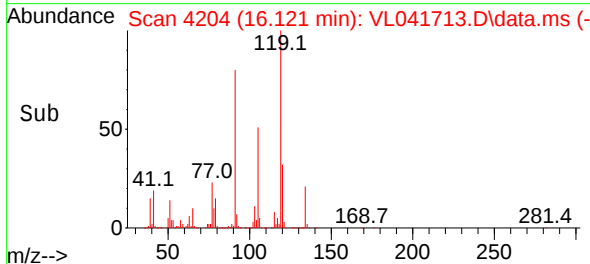
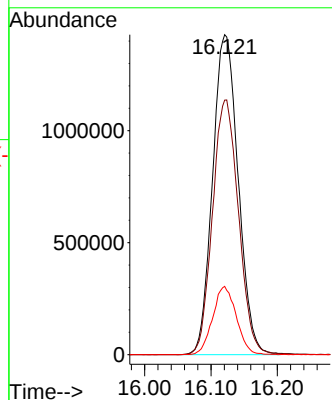
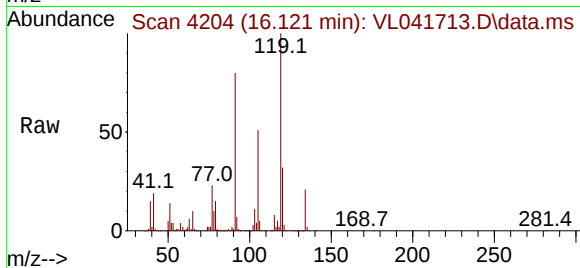
Tgt Ion:119 Resp: 3836581

Ion Ratio Lower Upper

119 100

91 80.8 64.3 96.5

134 19.7 15.8 23.8



#66

Benzyl Chloride

Concen: 4.986 ppbv

RT: 16.359 min Scan# 4278

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

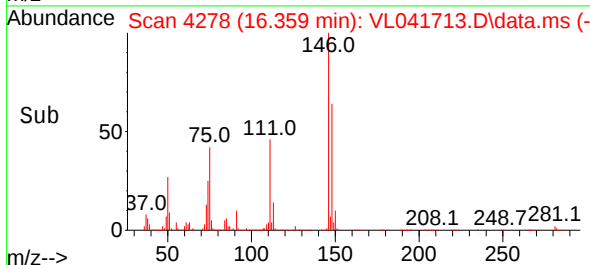
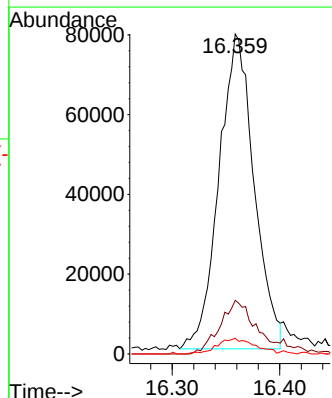
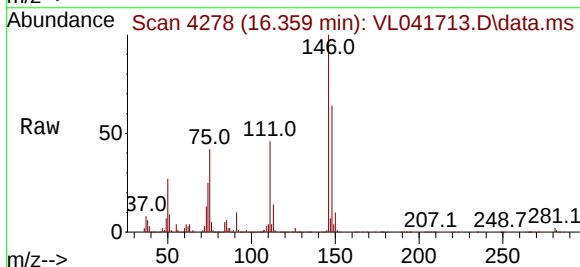
Tgt Ion: 91 Resp: 179175

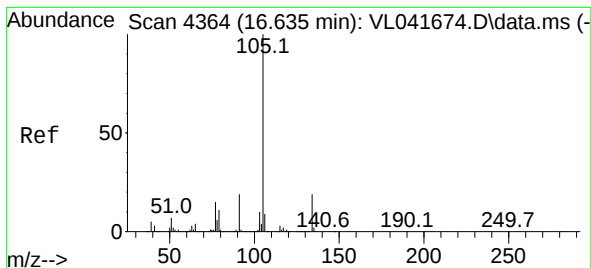
Ion Ratio Lower Upper

91 100

126 19.3 13.8 20.6

128 5.7 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.147 ppbv

RT: 16.664 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

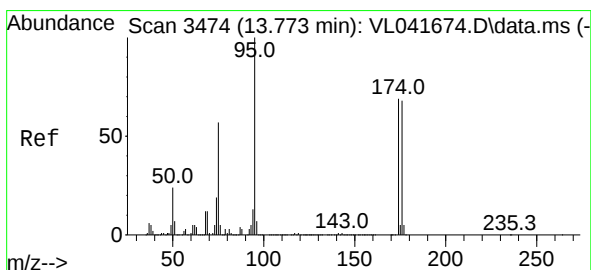
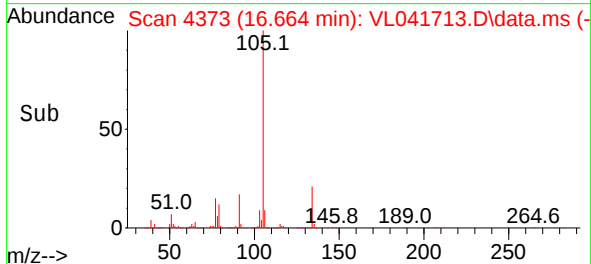
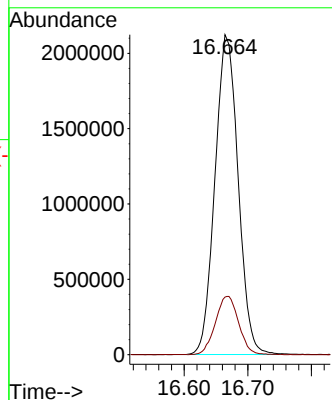
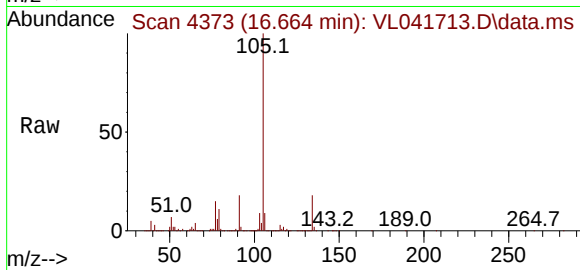
VL1121ABS01

Tgt Ion:105 Resp: 5364091

Ion Ratio Lower Upper

105 100

134 18.4 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.363 ppbv

RT: 13.806 min Scan# 3484

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

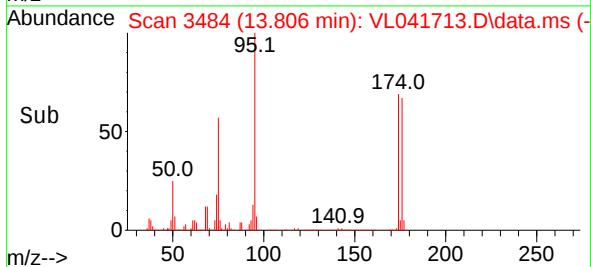
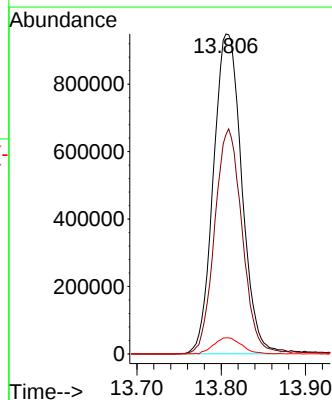
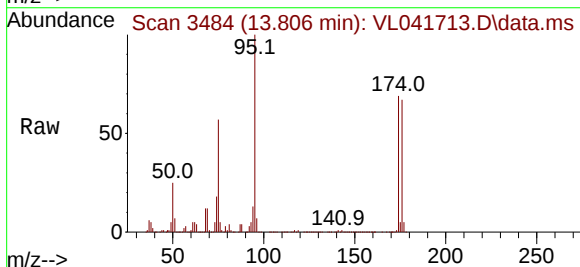
Tgt Ion: 95 Resp: 2215094

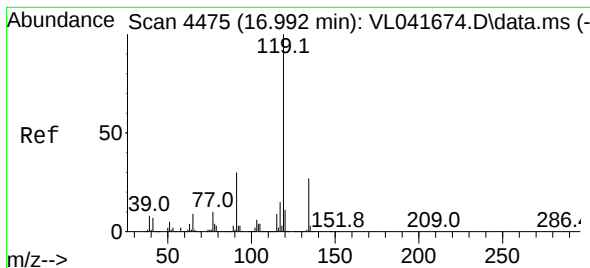
Ion Ratio Lower Upper

95 100

174 69.2 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 8.377 ppbv

RT: 17.027 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

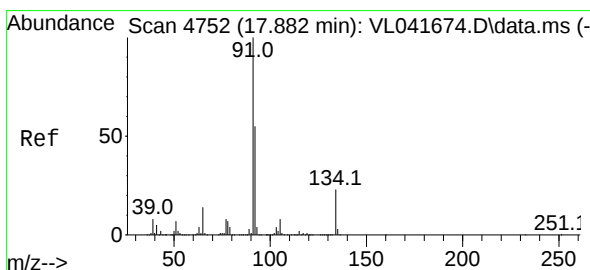
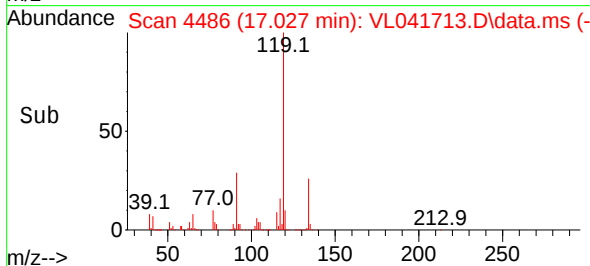
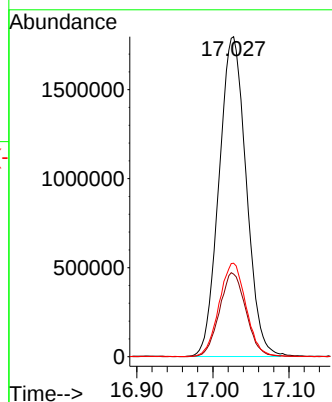
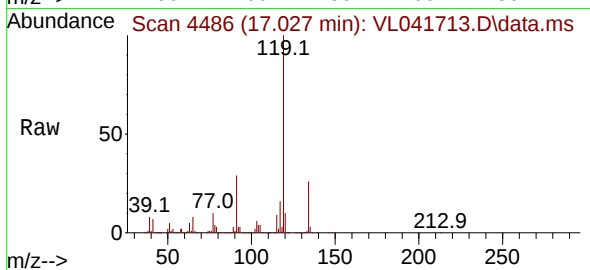
Tgt Ion:119 Resp: 4458745

Ion Ratio Lower Upper

119 100

134 25.7 20.8 31.2

91 28.9 23.2 34.8



#70

n-Butylbenzene

Concen: 8.455 ppbv

RT: 17.918 min Scan# 4763

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

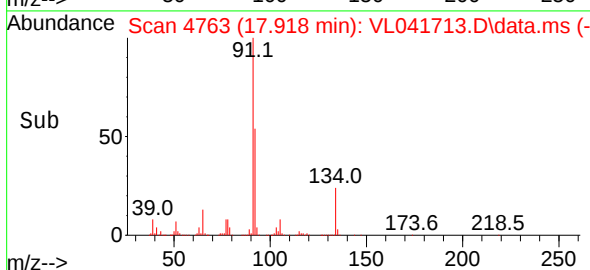
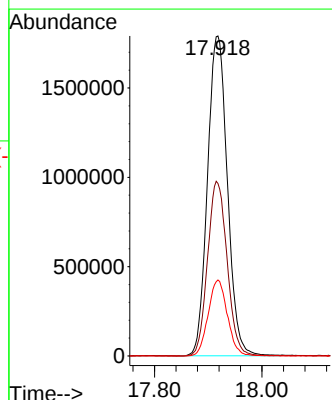
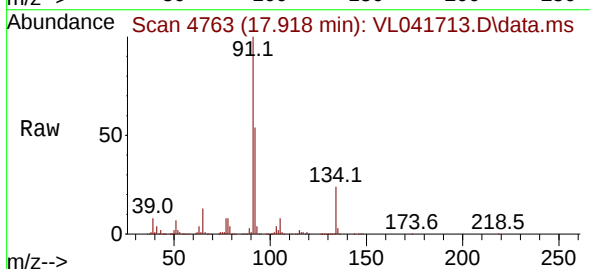
Tgt Ion: 91 Resp: 4604740

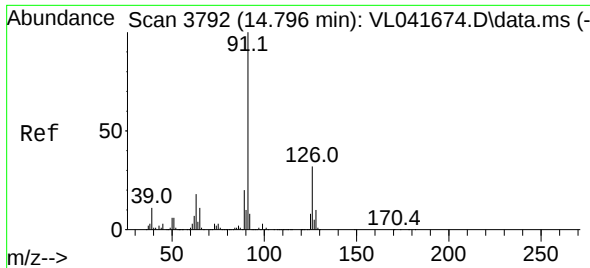
Ion Ratio Lower Upper

91 100

92 53.8 43.3 64.9

134 23.0 18.4 27.6

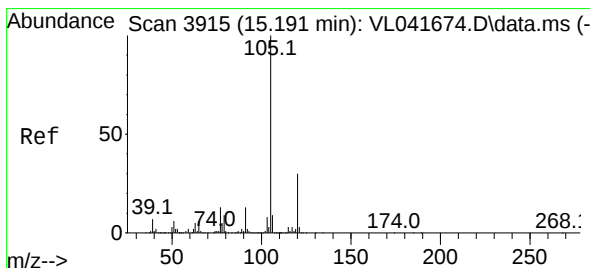
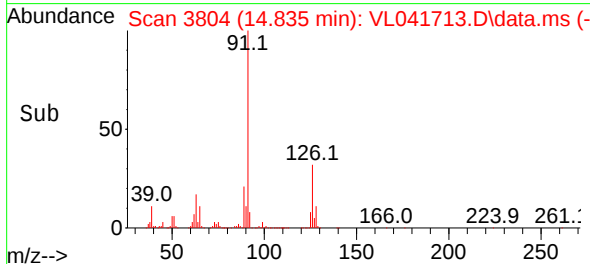
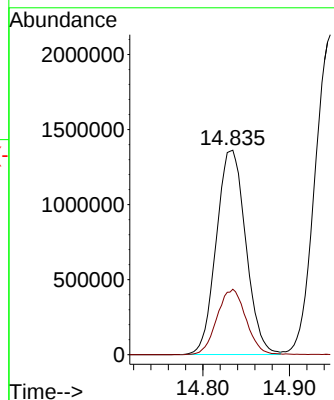
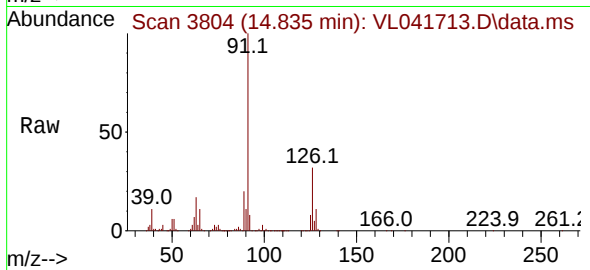




#71
2-Chlorotoluene
Concen: 8.579 ppbv
RT: 14.835 min Scan# 3804
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

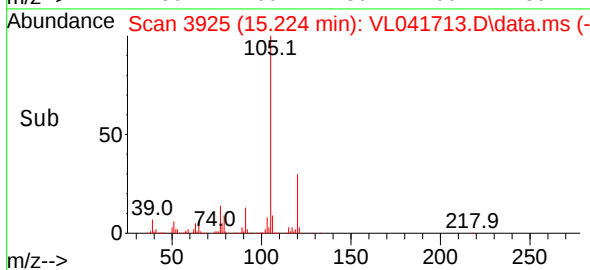
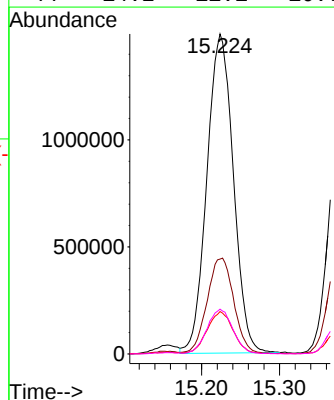
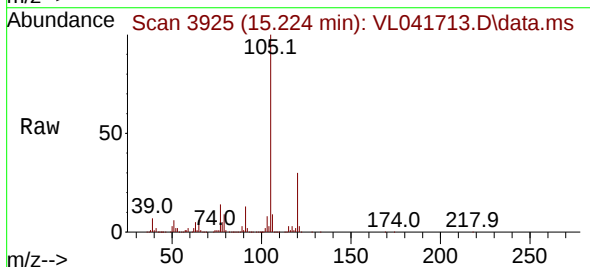
Instrument :
MSVOA_1
ClientSampleId :
VL1121ABS01

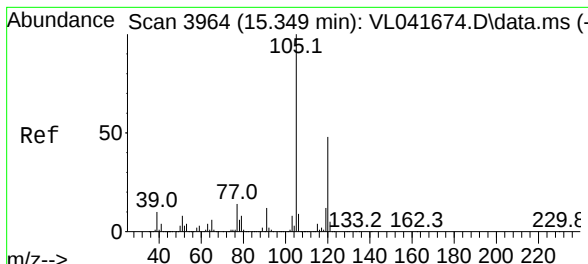
Tgt Ion: 91 Resp: 3223209
Ion Ratio Lower Upper
91 100
126 31.5 12.8 51.0



#72
4-Ethyltoluene
Concen: 8.983 ppbv
RT: 15.224 min Scan# 3925
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:105 Resp: 3514757
Ion Ratio Lower Upper
105 100
120 30.6 25.0 37.4
91 13.1 10.6 15.8
77 14.2 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.737 ppbv

RT: 15.381 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_1

ClientSampleId :

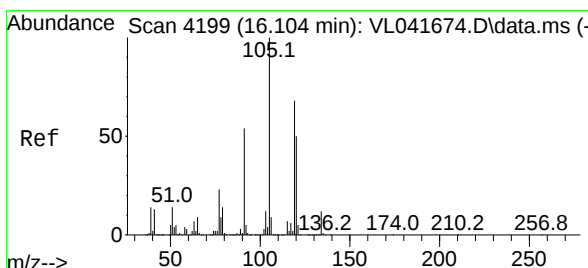
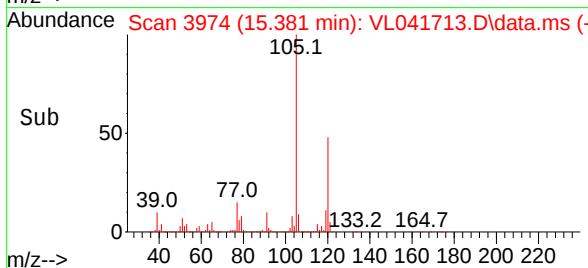
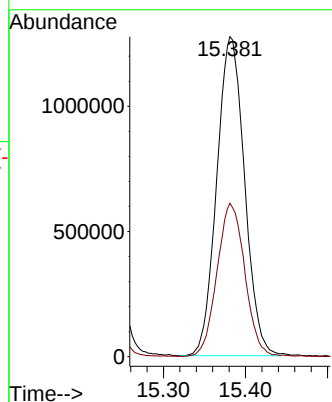
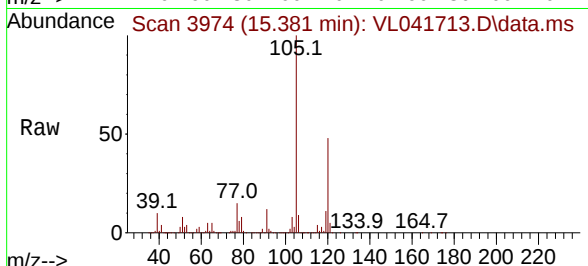
VL1121ABS01

Tgt Ion:105 Resp: 2999740

Ion Ratio Lower Upper

105 100

120 48.0 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 8.327 ppbv

RT: 16.140 min Scan# 4210

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Tgt Ion:105 Resp: 3320988

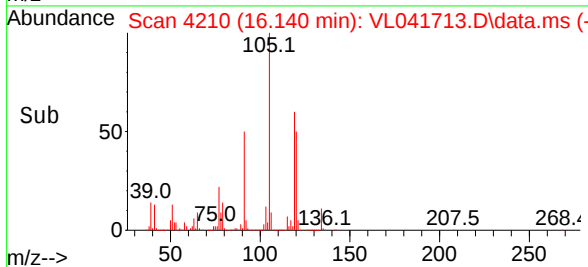
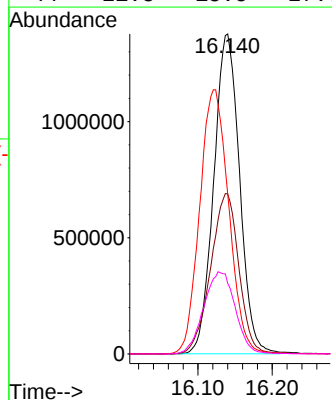
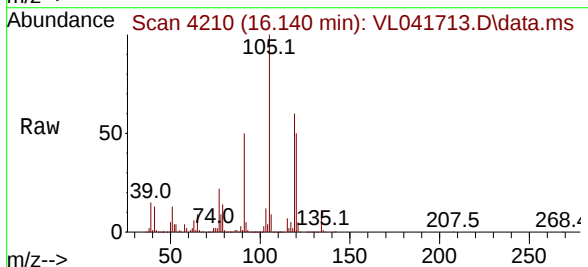
Ion Ratio Lower Upper

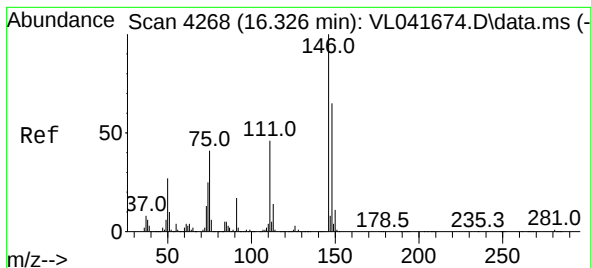
105 100

120 49.8 39.8 59.8

91 49.6 43.2 64.8

77 21.8 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 8.212 ppbv

RT: 16.362 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

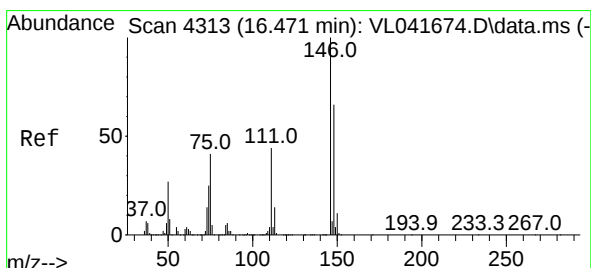
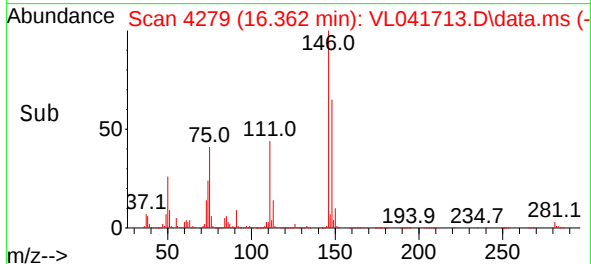
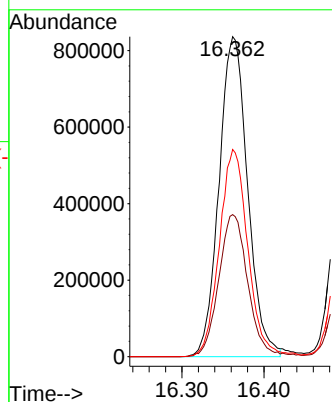
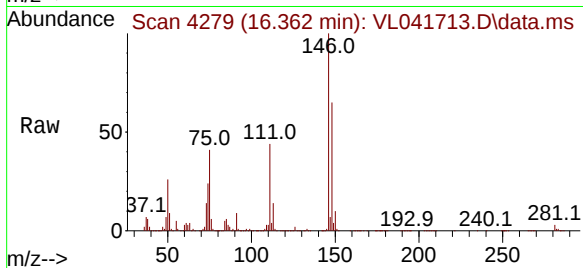
Tgt Ion:146 Resp: 2028386

Ion Ratio Lower Upper

146 100

111 45.2 22.8 68.3

148 64.6 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 8.350 ppbv

RT: 16.506 min Scan# 4324

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

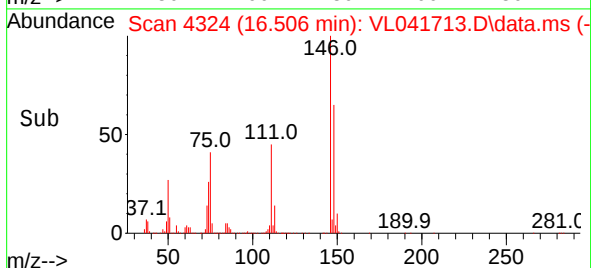
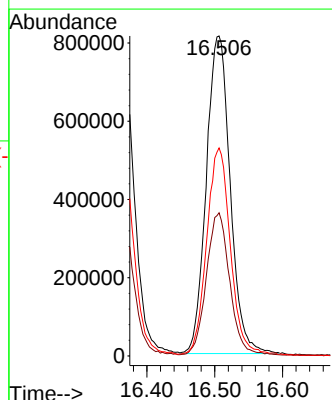
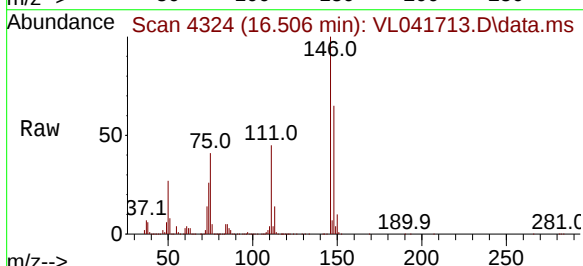
Tgt Ion:146 Resp: 1989769

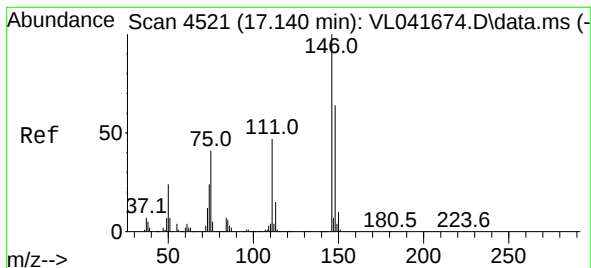
Ion Ratio Lower Upper

146 100

111 44.3 22.1 66.3

148 65.4 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 8.069 ppbv

RT: 17.175 min Scan# 4532

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_1

ClientSampleId :

VL1121ABS01

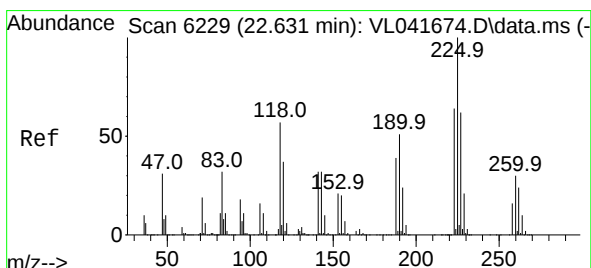
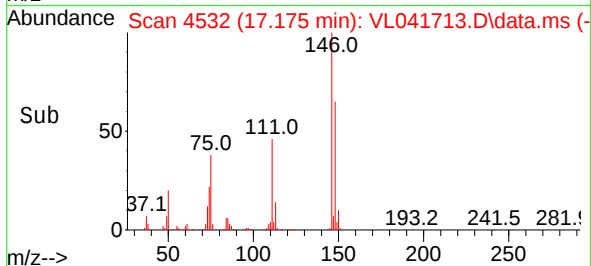
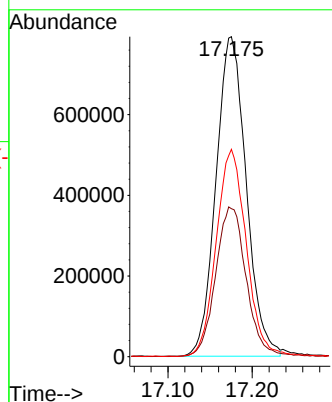
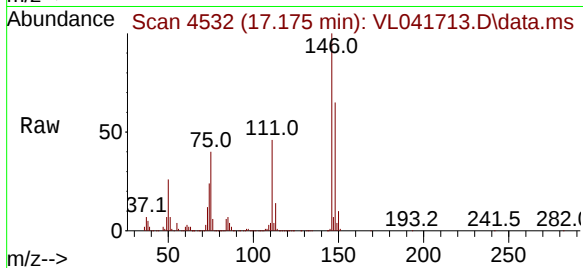
Tgt Ion:146 Resp: 1974338

Ion Ratio Lower Upper

146 100

111 47.5 23.4 70.3

148 64.8 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 7.089 ppbv

RT: 22.670 min Scan# 6241

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

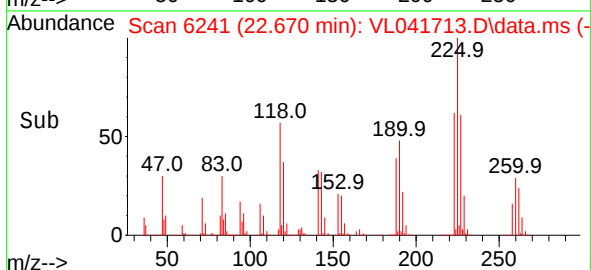
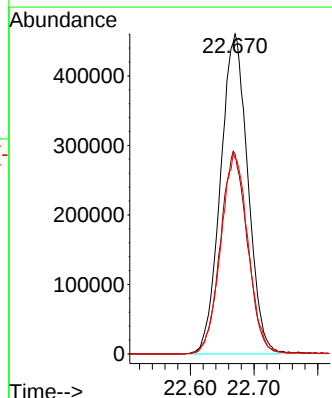
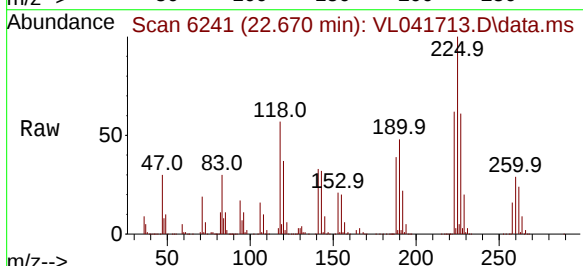
Tgt Ion:225 Resp: 1371815

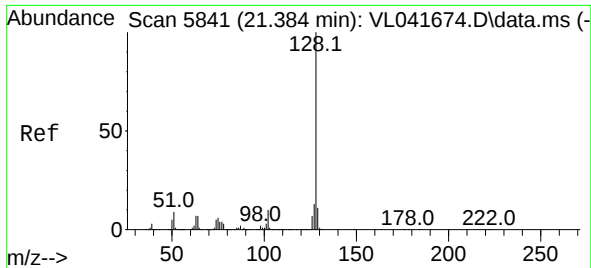
Ion Ratio Lower Upper

225 100

223 62.8 51.1 76.7

227 63.3 51.3 76.9

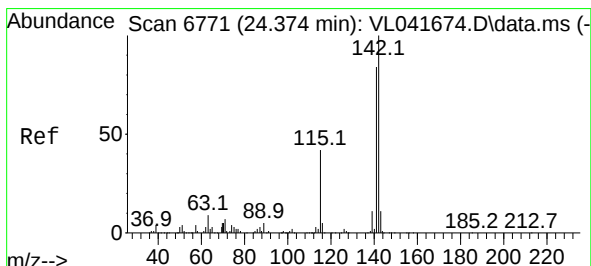
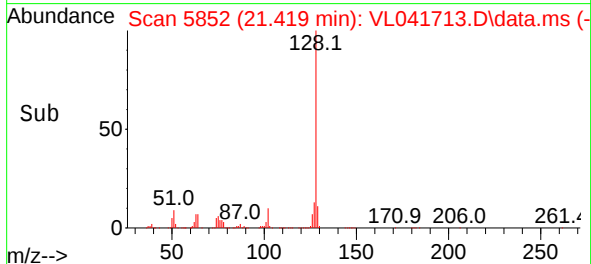
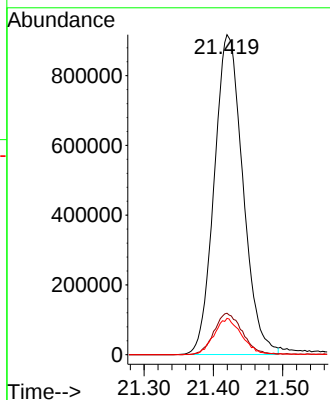
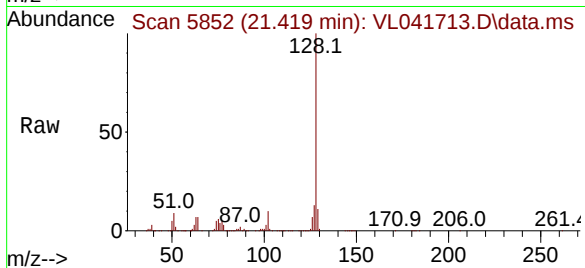




#79
Naphthalene
Concen: 10.695 ppbv
RT: 21.419 min Scan# 5852
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

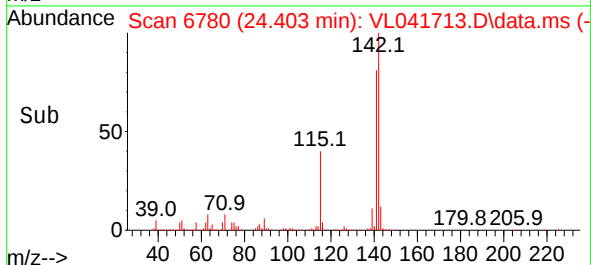
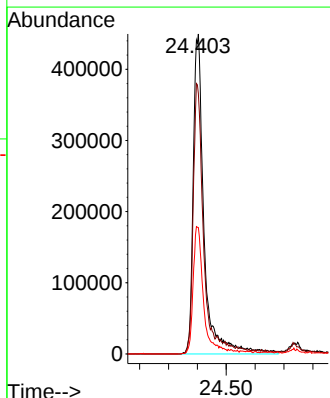
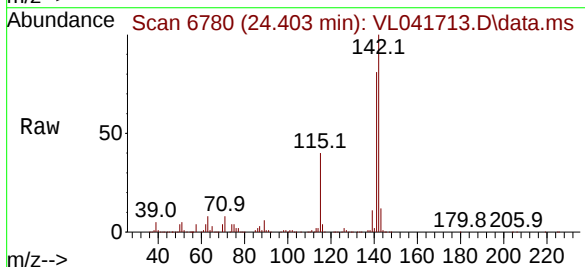
Instrument :
MSVOA_1
ClientSampleId :
VL1121ABS01

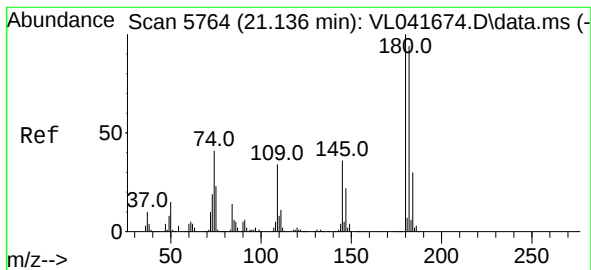
Tgt Ion:128 Resp: 2632672
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 11.3 8.7 13.1



#80
Naphthalene,2-methyl-
Concen: 21.939 ppbv
RT: 24.403 min Scan# 6780
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

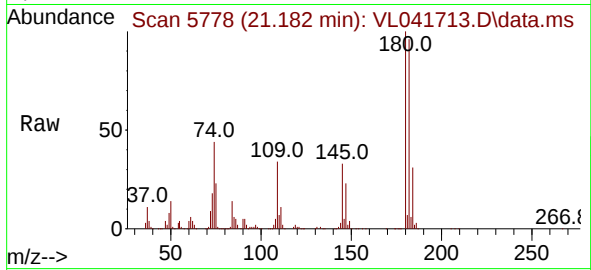
Tgt Ion:142 Resp: 1177283
Ion Ratio Lower Upper
142 100
141 81.4 68.1 102.1
115 38.6 33.1 49.7





#81
 1,2,4-Trichlorobenzene
 Concen: 3.635 ppbv
 RT: 21.182 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01



Tgt Ion:180 Resp: 562756
 Ion Ratio Lower Upper
 180 100
 182 0.0 78.2 117.2#
 184 75.8 25.0 37.4#

