

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041711.D
 Acq On : 21 Nov 2024 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 22 01:01:27 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 22 01:00:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.221	49	1173714	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	3217567	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	3707892	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	2257188	8.262	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.758	85	1422464	6.705	ppbv	99
3) Chlorodifluoromethane	2.703	51	1408647	9.211	ppbv	99
4) Chloromethane	2.841	50	772568	9.537	ppbv	100
5) Vinyl Chloride	2.948	62	738827	10.139	ppbv	99
6) Bromomethane	3.147	94	378603	9.794	ppbv	97
7) Chloroethane	3.227	64	268516	10.097	ppbv	99
8) Dichlorotetrafluoroethane	2.883	85	1753531	9.260	ppbv	98
9) Propene	2.722	41	628191	9.427	ppbv	98
10) Heptane	7.610	43	1564942	10.481	ppbv	99
11) Trichlorofluoromethane	3.591	101	1745375	9.446	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.095	101	1298147	9.665	ppbv	99
13) Ethanol	3.275	45	19131	4.689	ppbv	# 47
14) Bromoethene	3.394	108	526015	9.742	ppbv	97
15) Acetone	3.497	43	1333944	9.235	ppbv	98
16) 1,3-Butadiene	3.012	39	739980	10.153	ppbv	100
17) tert-Butyl alcohol	3.906	59	1267990	10.003	ppbv	99
18) 1,1-Dichloroethene	3.909	96	571205	9.697	ppbv	94
19) Isopropyl Alcohol	3.603	45	682305	9.882	ppbv	99
20) Methylene Chloride	3.960	84	481797	9.064	ppbv	95
21) Allyl Chloride	4.025	41	904964	10.138	ppbv	99
22) trans-1,2-Dichloroethene	4.475	96	587155	10.025	ppbv	97
23) Vinyl Acetate	4.655	43	629204	9.881	ppbv	99
24) 1,1-Dichloroethane	4.594	63	1253068	9.585	ppbv	99
25) Ethyl Acetate	5.234	43	2952376	9.874	ppbv	100
26) Hexane	5.243	57	1169502	10.181	ppbv	98
27) Carbon Disulfide	4.153	76	1403031	10.871	ppbv	99
28) Methyl tert-Butyl Ether	4.616	73	715210	9.668	ppbv	100
29) Chloroform	5.308	83	1799780	9.492	ppbv	100
30) Cyclohexane	6.632	84	990103	10.122	ppbv	99
31) cis-1,2-Dichloroethene	5.108	61	1127435	10.202	ppbv	99
32) 1,1,1-Trichloroethane	6.034	97	1761688	10.184	ppbv	99
34) 2-Butanone	4.816	43	1449252	9.046	ppbv	99
35) Carbon Tetrachloride	6.526	117	1827244	10.764	ppbv	97
36) Benzene	6.401	78	2463354	10.333	ppbv	99
37) 1,2-Dichloroethane	5.838	62	1361156	10.120	ppbv	99
38) Trichloroethene	7.327	130	1001170	10.934	ppbv	99
39) 1,2-Dichloropropane	7.108	63	946394	10.045	ppbv	98
40) 1,4-Dioxane	7.317	88	369652	10.936	ppbv	# 1
41) Tetrahydrofuran	5.587	42	1011478	11.055	ppbv	100
42) Bromodichloromethane	7.282	83	1950791	10.438	ppbv	100
43) Methyl Methacrylate	7.507	69	960580	11.476	ppbv	99
44) 2,2,4-Trimethylpentane	7.356	57	4139526	10.251	ppbv	100
45) t-1,3-Dichloropropene	8.741	75	943007	12.329	ppbv	99

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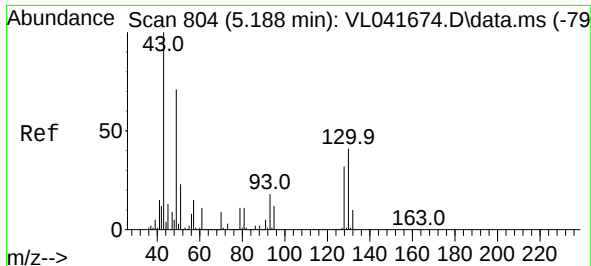
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.172	75	1279587	11.647	ppbv	98
47) 1,1,2-Trichloroethane	8.931	97	1009245	9.898	ppbv	98
48) Dibromochloromethane	9.741	129	1661895	10.722	ppbv	100
49) Bromoform	12.439	173	1469304	11.079	ppbv	100
50) 4-Methyl-2-Pentanone	8.211	43	2653020	10.787	ppbv	100
51) 2-Hexanone	9.581	43	2052626	11.460	ppbv	99
52) Tetrachloroethene	10.648	164	903960	11.127	ppbv	99
53) Toluene	9.253	91	2837342	11.317	ppbv	100
54) 1,2-Dibromoethane	10.040	107	1367674	11.480	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.539	131	1253171	8.195	ppbv	98
57) Chlorobenzene	11.558	112	2202336	8.031	ppbv	98
58) Ethyl Benzene	12.121	91	3808048	9.368	ppbv	99
59) m/p-Xylene	12.404	91	3294190	9.049	ppbv #	33
60) o-Xylene	13.089	91	3108102	8.954	ppbv	99
61) Styrene	12.928	104	1498189	10.457	ppbv	100
62) Isopropylbenzene	14.060	105	4585032	8.553	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.079	83	2155854	8.443	ppbv	100
64) n-propylbenzene	14.944	120	1243110	8.858	ppbv	99
65) tert-Butylbenzene	16.117	119	4092301	8.493	ppbv	100
66) Benzyl Chloride	16.359	91	360391	9.723	ppbv	99
67) sec-Butylbenzene	16.667	105	5768247	8.494	ppbv	100
69) p-Isopropyltoluene	17.027	119	4812497	8.766	ppbv	100
70) n-Butylbenzene	17.918	91	4962014	8.833	ppbv	100
71) 2-Chlorotoluene	14.831	91	3484566	8.992	ppbv	99
72) 4-Ethyltoluene	15.224	105	3736233	9.258	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	3182515	8.987	ppbv	99
74) 1,2,4-Trimethylbenzene	16.140	105	3517746	8.552	ppbv	95
75) 1,3-Dichlorobenzene	16.362	146	2166163	8.503	ppbv	100
76) 1,4-Dichlorobenzene	16.506	146	2095111	8.524	ppbv	100
77) 1,2-Dichlorobenzene	17.175	146	2109445	8.358	ppbv	100
78) Hexachloro-1,3-Butadiene	22.664	225	741691	3.716	ppbv #	22
79) Naphthalene	21.419	128	2952462	11.628	ppbv	99
80) Naphthalene,2-methyl-	24.400	142	630748	11.396	ppbv	99
81) 1,2,4-Trichlorobenzene	21.175	180	1501117	9.401	ppbv	99

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

Quant Time: Nov 22 01:01:27 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

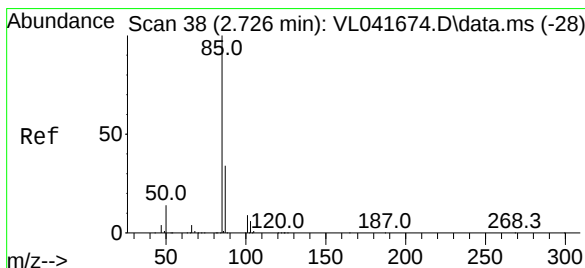
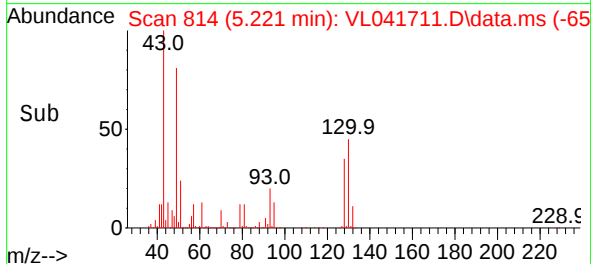
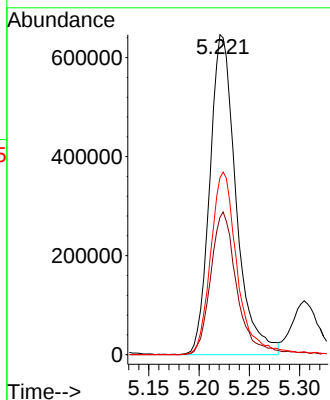
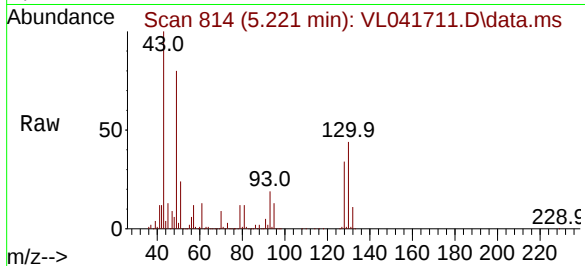




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.221 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

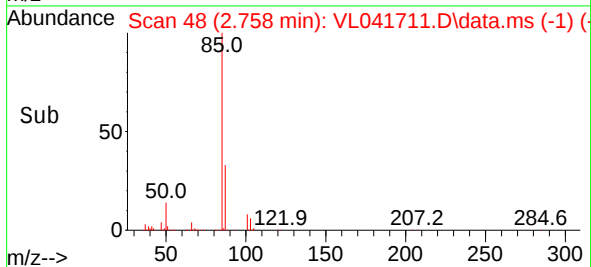
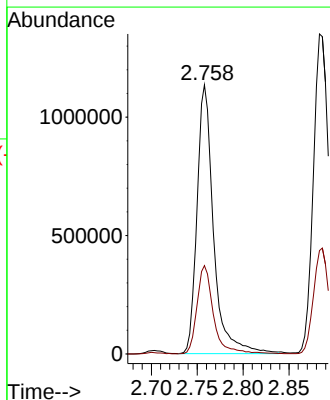
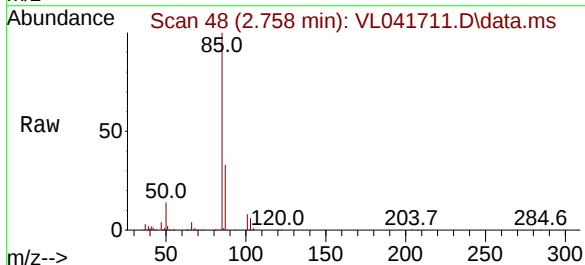
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

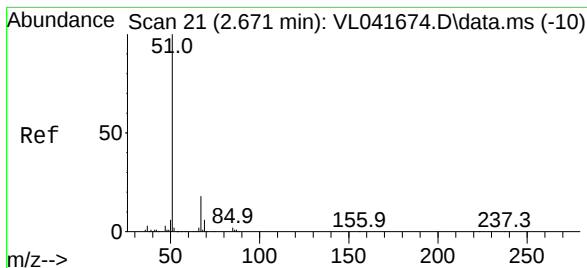
Tgt Ion: 49 Resp: 1173714
Ion Ratio Lower Upper
49 100
128 44.9 23.8 71.2
130 58.5 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 6.705 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 85 Resp: 1422464
Ion Ratio Lower Upper
85 100
87 32.8 26.8 40.2





#3

Chlorodifluoromethane

Concen: 9.211 ppbv

RT: 2.703 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

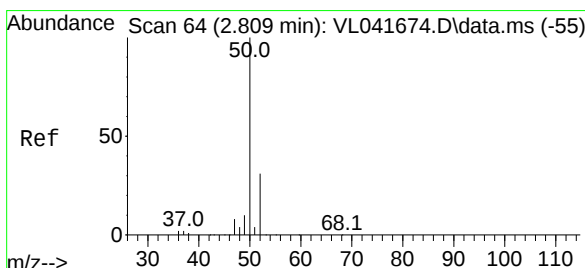
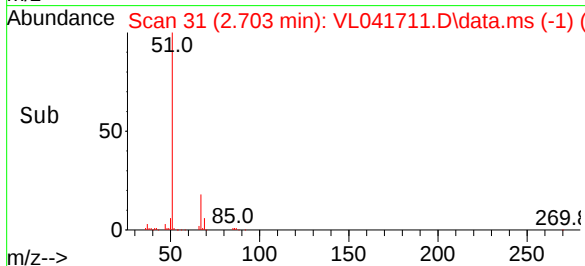
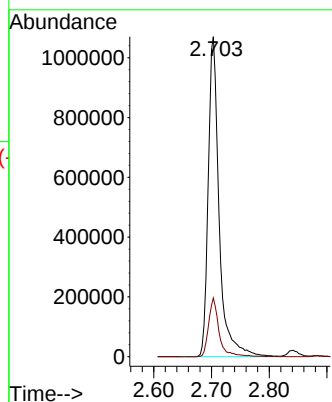
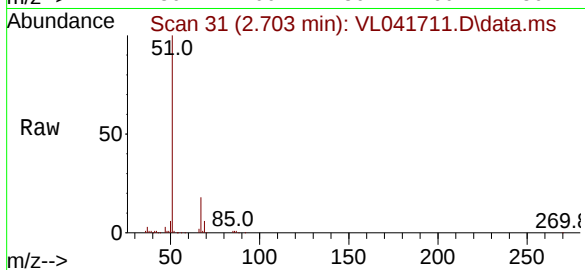
VSTDCCC010

Tgt Ion: 51 Resp: 1408647

Ion Ratio Lower Upper

51 100

67 17.7 13.9 20.9



#4

Chloromethane

Concen: 9.537 ppbv

RT: 2.841 min Scan# 74

Delta R.T. 0.000 min

Lab File: VL041711.D

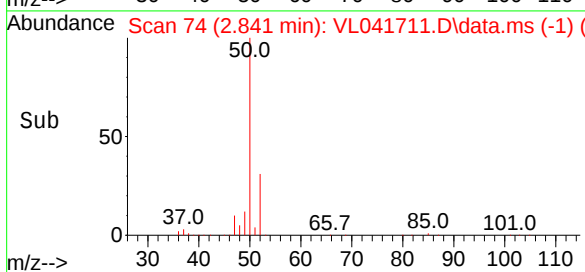
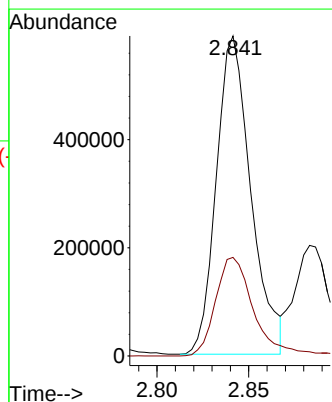
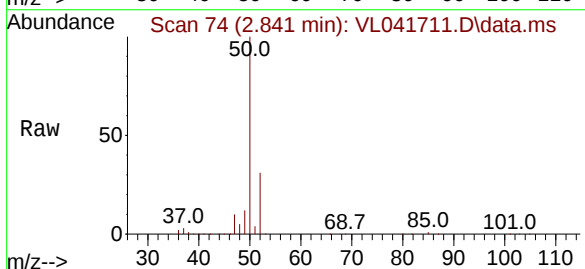
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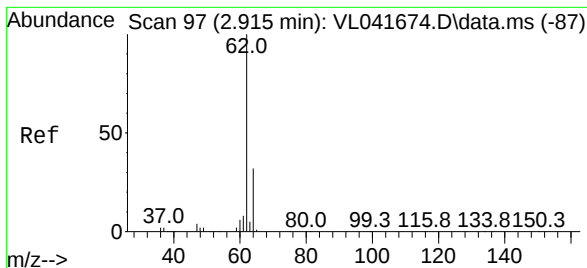
Tgt Ion: 50 Resp: 772568

Ion Ratio Lower Upper

50 100

52 31.0 24.9 37.3

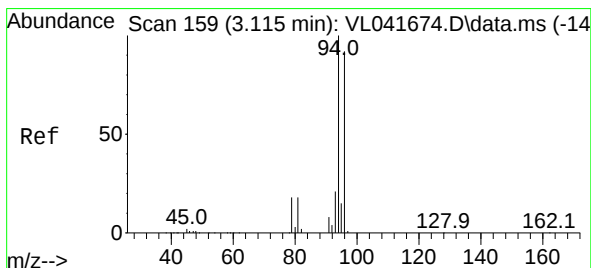
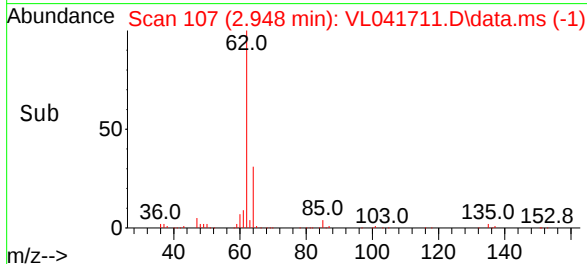
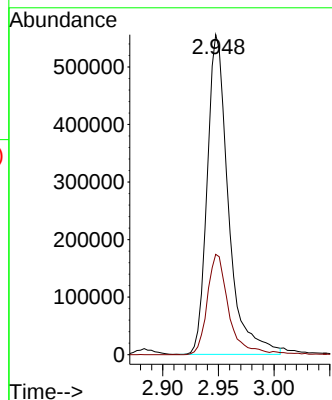
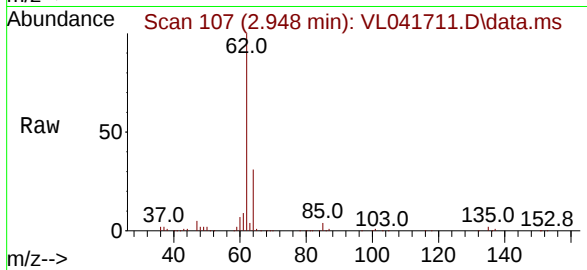




#5
 Vinyl Chloride
 Concen: 10.139 ppbv
 RT: 2.948 min Scan# 107
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

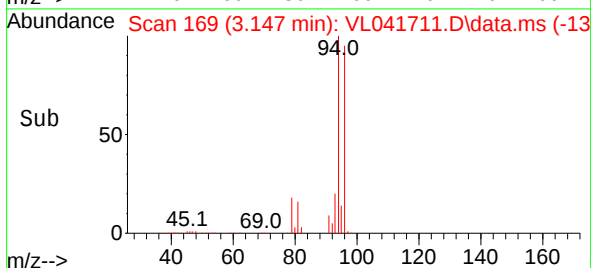
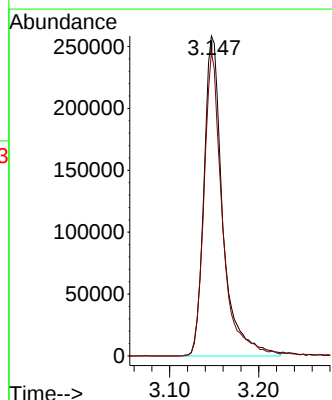
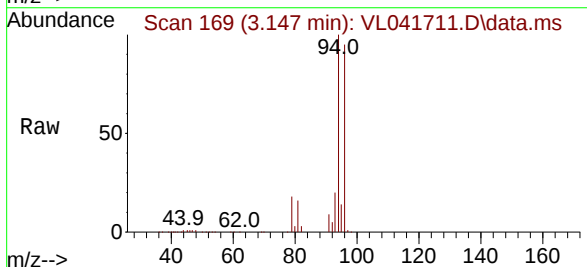
Instrument :
 MSVOA_L
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 VSTDCCC010

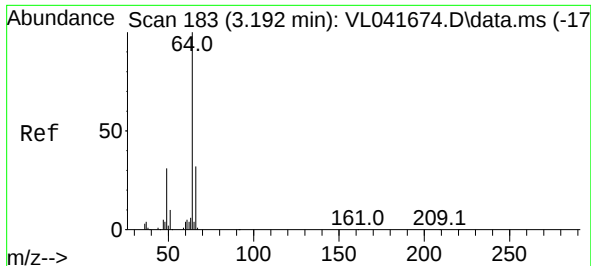
Tgt Ion: 62 Resp: 738827
 Ion Ratio Lower Upper
 62 100
 64 31.4 25.4 38.2



#6
 Bromomethane
 Concen: 9.794 ppbv
 RT: 3.147 min Scan# 169
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Tgt Ion: 94 Resp: 378603
 Ion Ratio Lower Upper
 94 100
 96 94.9 73.4 110.2

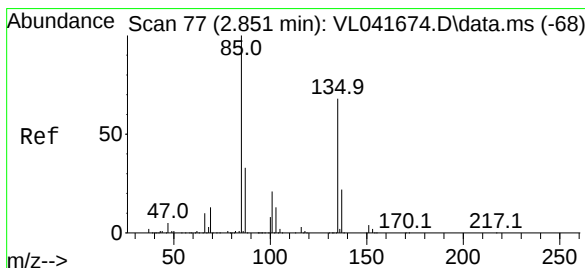
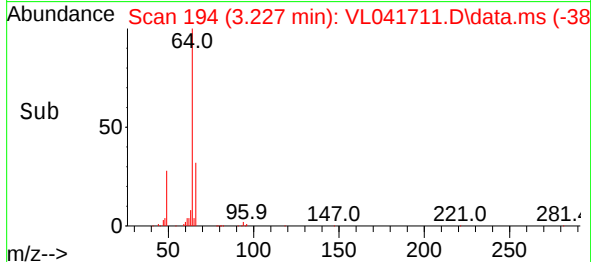
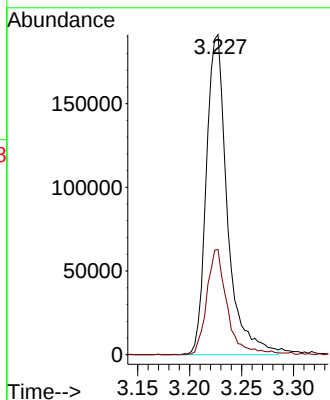
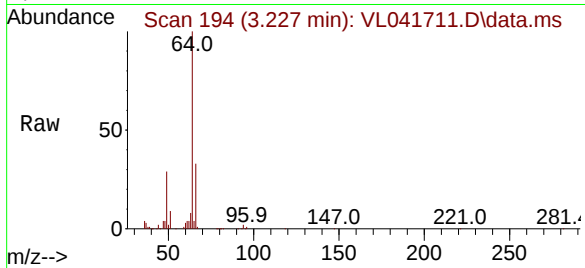




#7
Chloroethane
Concen: 10.097 ppbv
RT: 3.227 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

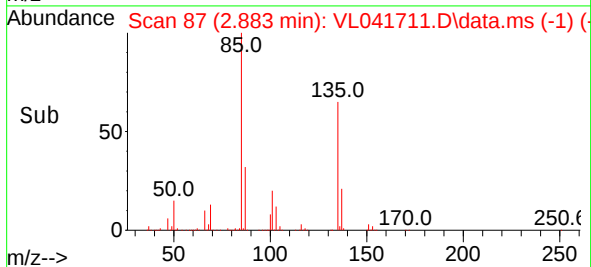
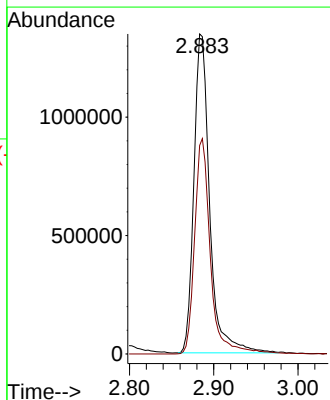
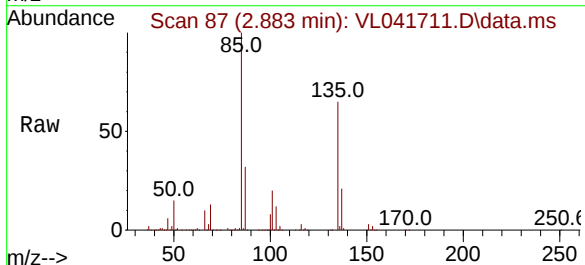
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ClientSampleId :
VSTDCCC010

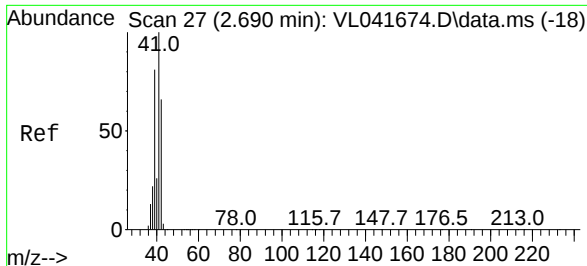
Tgt Ion: 64 Resp: 268516
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 9.260 ppbv
RT: 2.883 min Scan# 87
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 85 Resp: 1753531
Ion Ratio Lower Upper
85 100
135 68.0 55.5 83.3





#9

Propene

Concen: 9.427 ppbv

RT: 2.722 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

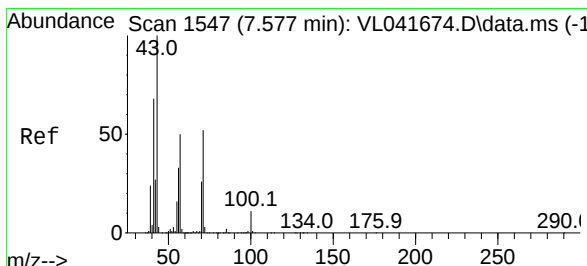
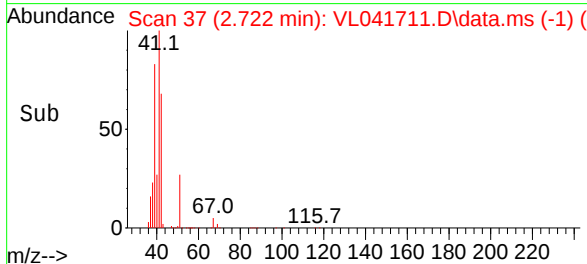
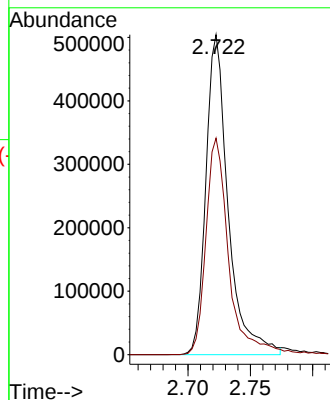
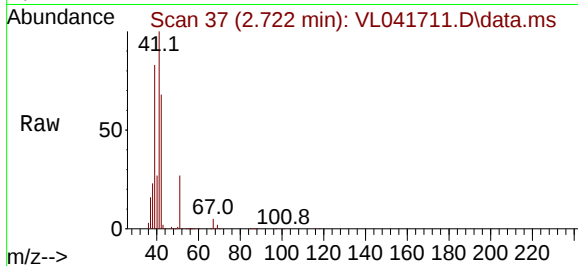
VSTDCCC010

Tgt Ion: 41 Resp: 628191

Ion Ratio Lower Upper

41 100

42 70.1 55.0 82.4



#10

Heptane

Concen: 10.481 ppbv

RT: 7.610 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VL041711.D

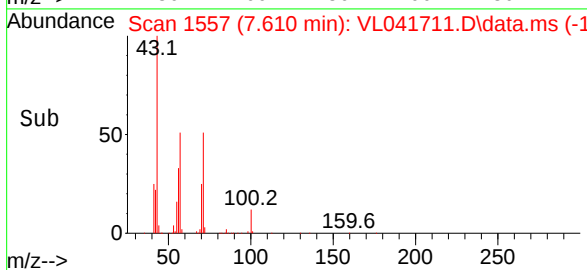
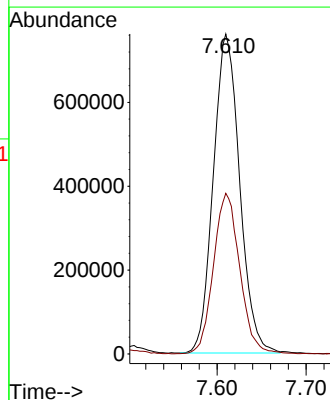
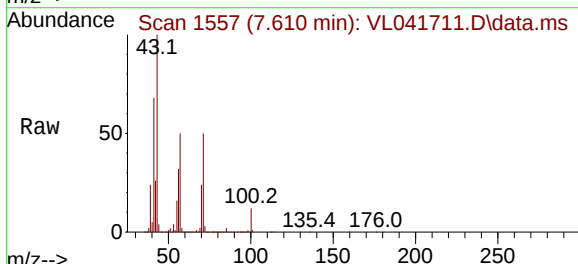
Acq: 21 Nov 2024 8:50

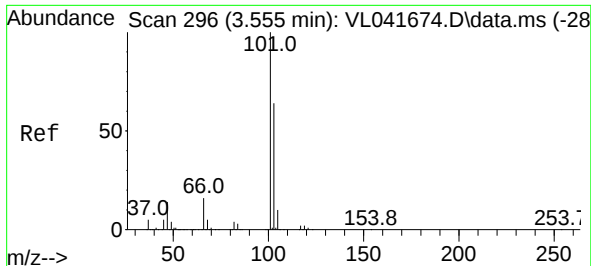
Tgt Ion: 43 Resp: 1564942

Ion Ratio Lower Upper

43 100

57 50.5 40.0 60.0





#11

Trichlorofluoromethane

Concen: 9.446 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

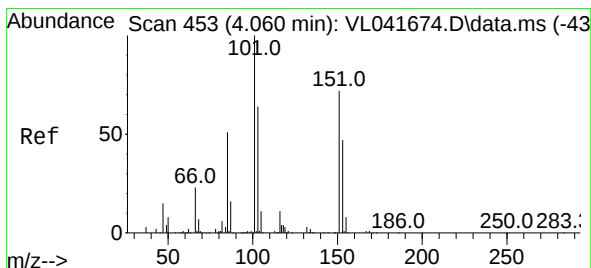
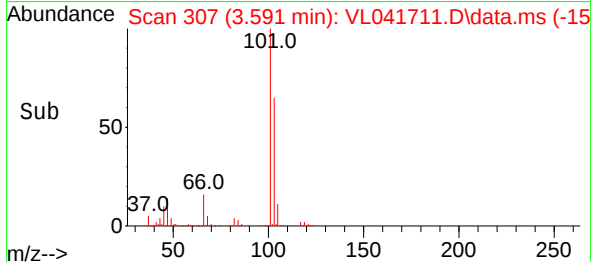
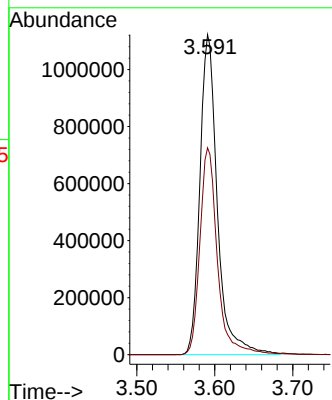
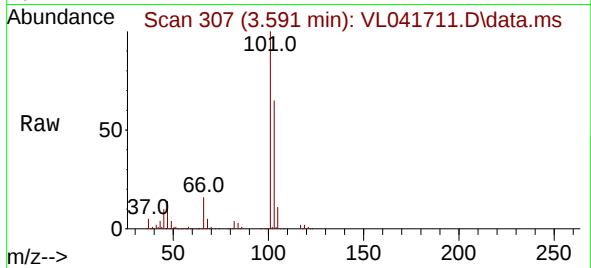
VSTDCCC010

Tgt Ion:101 Resp: 1745375

Ion Ratio Lower Upper

101 100

103 64.6 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.665 ppbv

RT: 4.095 min Scan# 464

Delta R.T. 0.000 min

Lab File: VL041711.D

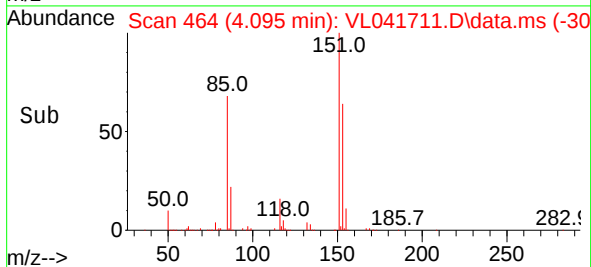
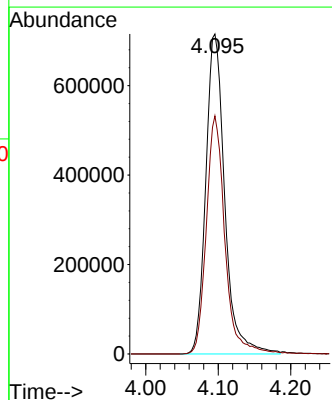
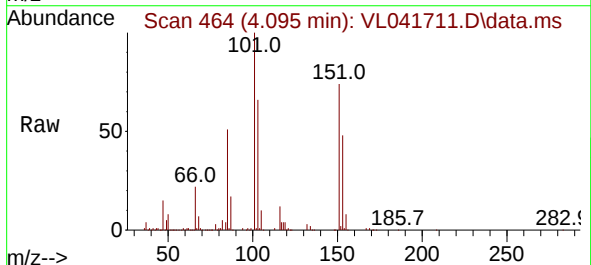
Acq: 21 Nov 2024 8:50

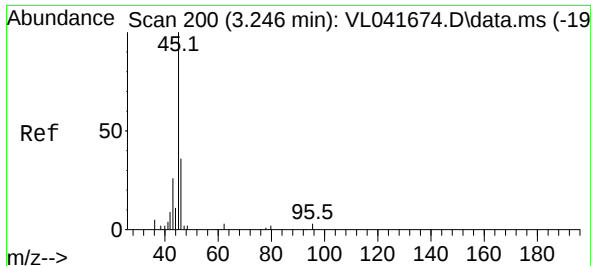
Tgt Ion:101 Resp: 1298147

Ion Ratio Lower Upper

101 100

151 73.1 59.1 88.7

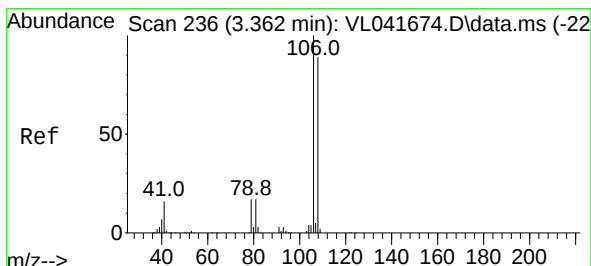
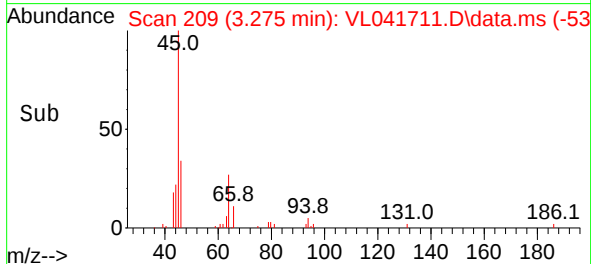
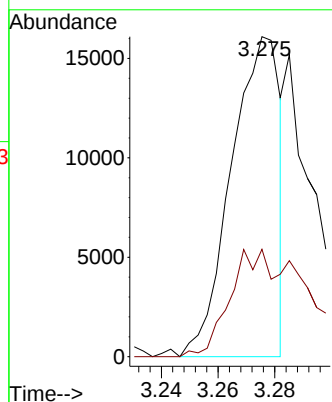
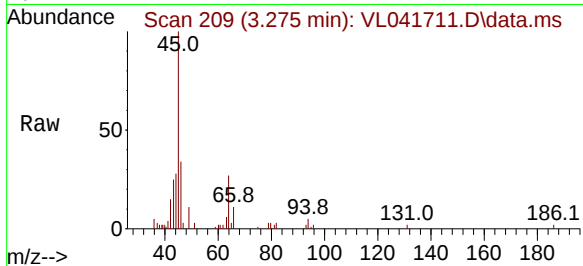




#13
Ethanol
Concen: 4.689 ppbv
RT: 3.275 min Scan# 209
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

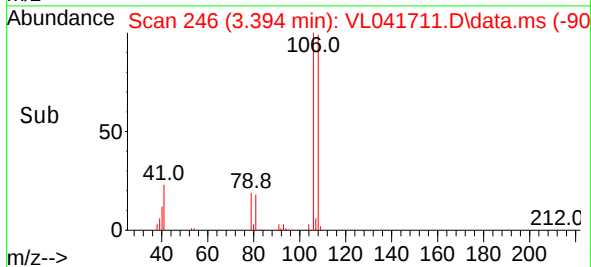
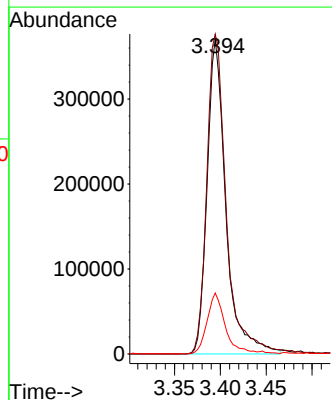
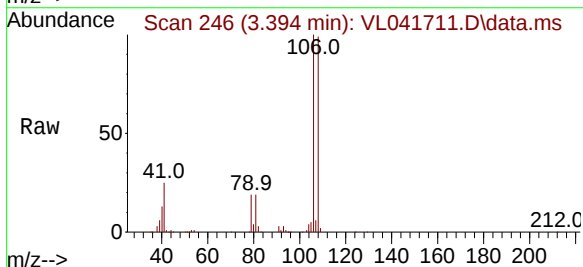
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

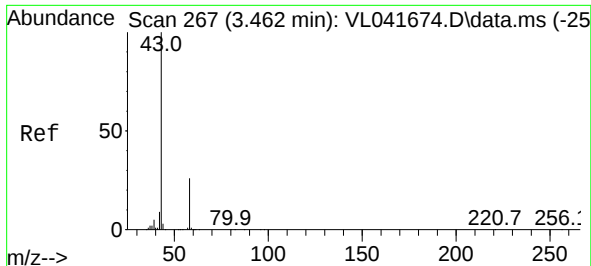
Tgt Ion: 45 Resp: 19131
Ion Ratio Lower Upper
45 100
46 65.3 13.8 55.2#



#14
Bromoethene
Concen: 9.742 ppbv
RT: 3.394 min Scan# 246
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion:108 Resp: 526015
Ion Ratio Lower Upper
108 100
106 107.1 88.6 133.0
79 19.3 15.6 23.4





#15

Acetone

Concen: 9.235 ppbv

RT: 3.497 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

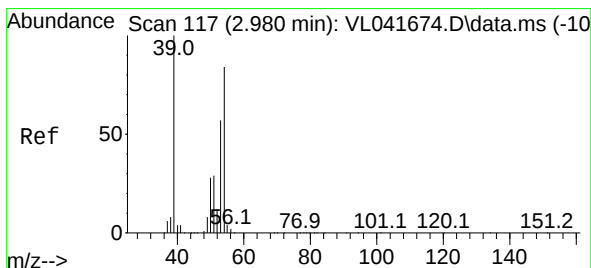
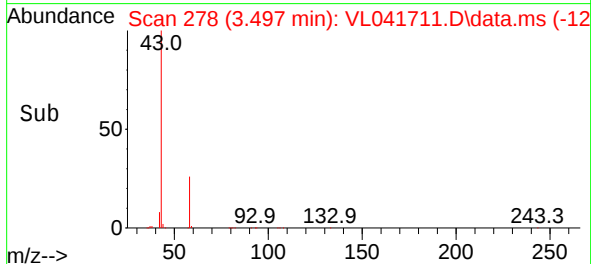
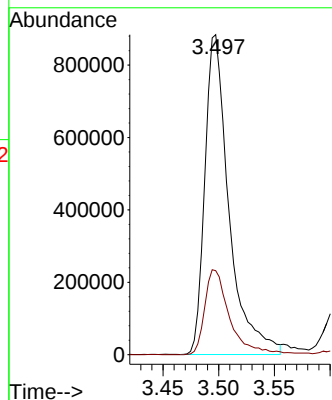
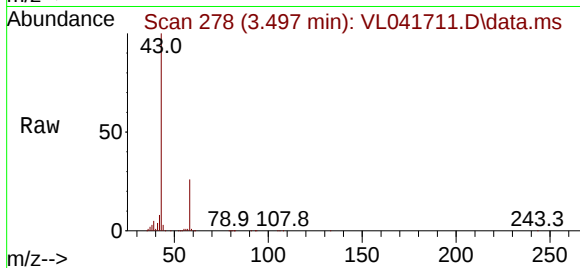
VSTDCCC010

Tgt Ion: 43 Resp: 1333944

Ion Ratio Lower Upper

43 100

58 27.8 21.4 32.0



#16

1,3-Butadiene

Concen: 10.153 ppbv

RT: 3.012 min Scan# 127

Delta R.T. 0.000 min

Lab File: VL041711.D

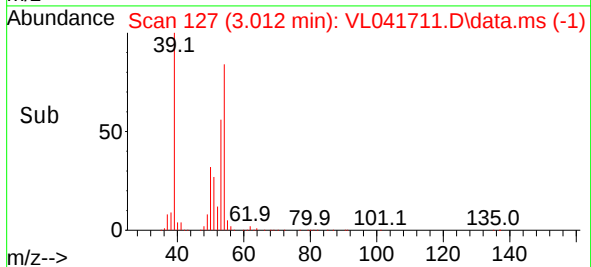
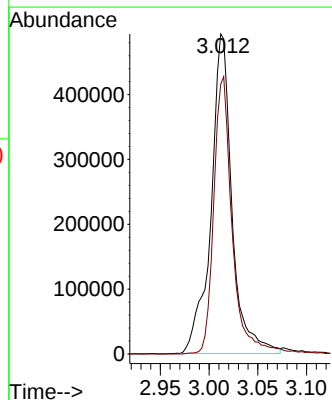
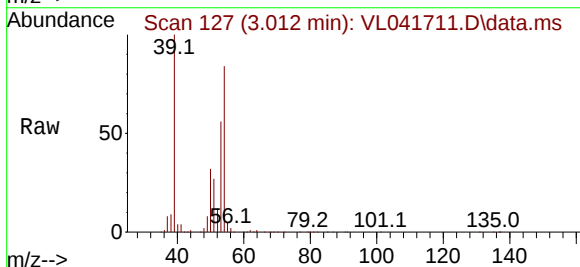
Acq: 21 Nov 2024 8:50

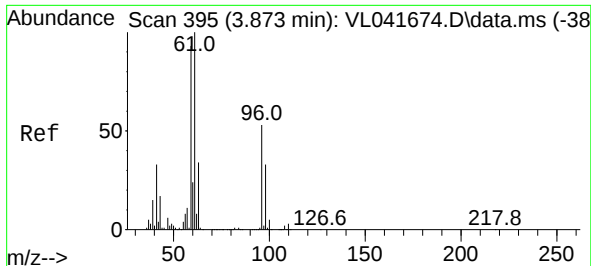
Tgt Ion: 39 Resp: 739980

Ion Ratio Lower Upper

39 100

54 76.9 61.3 91.9

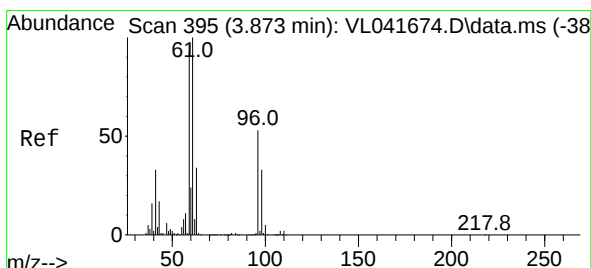
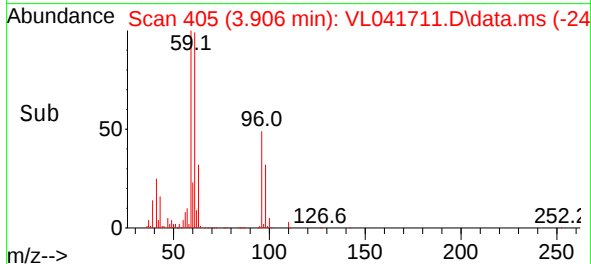
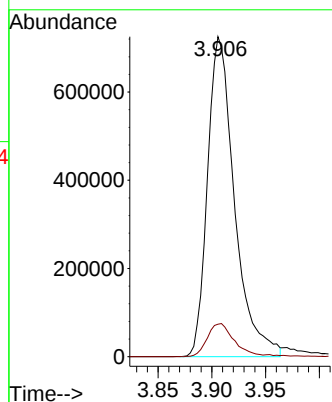
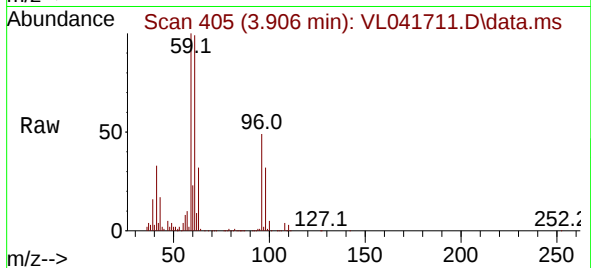




#17
tert-Butyl alcohol
Concen: 10.003 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

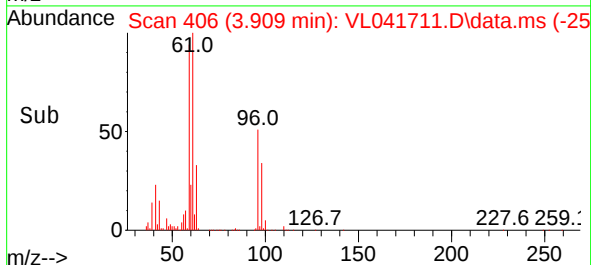
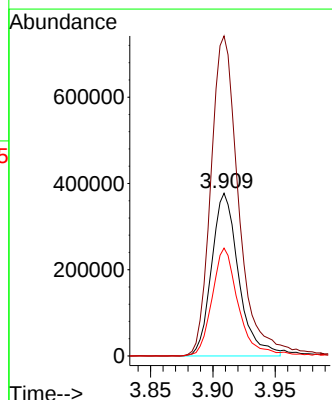
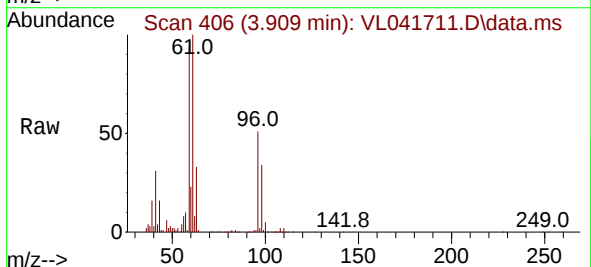
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

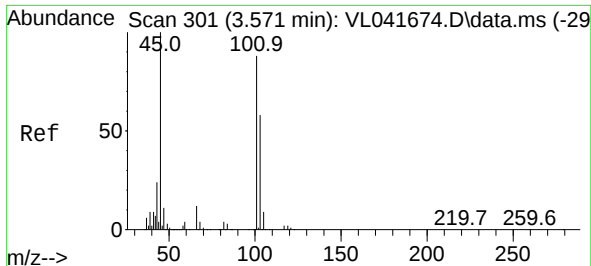
Tgt Ion: 59 Resp: 1267990
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7



#18
1,1-Dichloroethene
Concen: 9.697 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 96 Resp: 571205
Ion Ratio Lower Upper
96 100
61 196.7 150.7 226.1
98 66.3 49.4 74.2





#19

Isopropyl Alcohol

Concen: 9.882 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

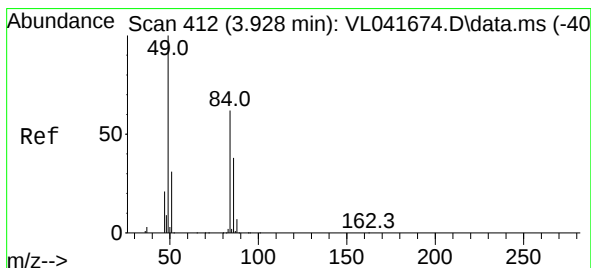
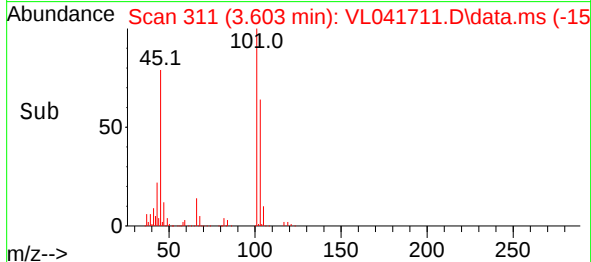
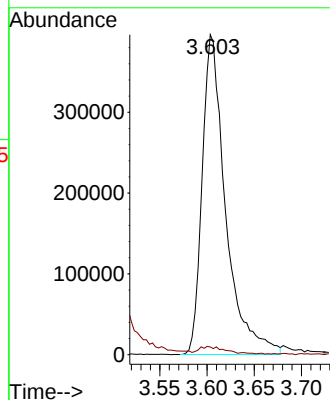
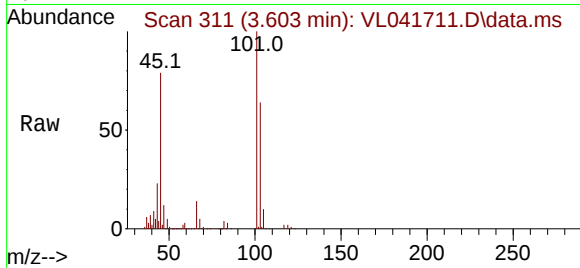
VSTDCCC010

Tgt Ion: 45 Resp: 682305

Ion Ratio Lower Upper

45 100

58 2.7 2.5 3.7



#20

Methylene Chloride

Concen: 9.064 ppbv

RT: 3.960 min Scan# 422

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Tgt Ion: 84 Resp: 481797

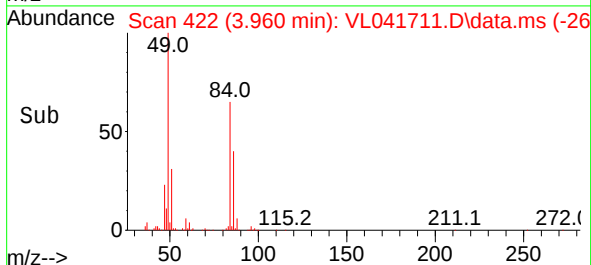
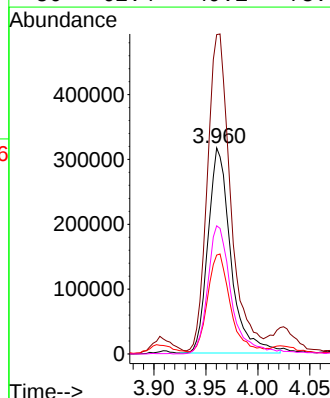
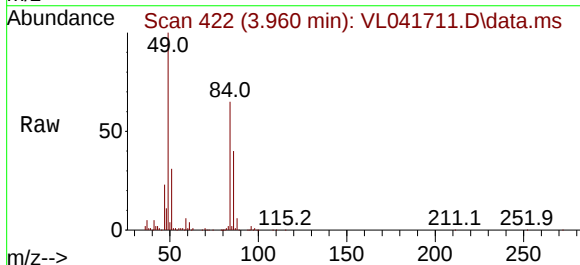
Ion Ratio Lower Upper

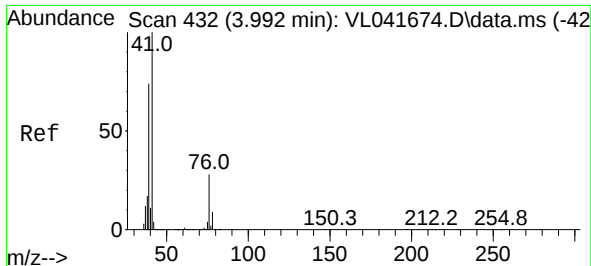
84 100

49 153.1 129.7 194.5

51 46.7 39.8 59.6

86 62.4 49.1 73.7





#21

Allyl Chloride

Concen: 10.138 ppbv

RT: 4.025 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

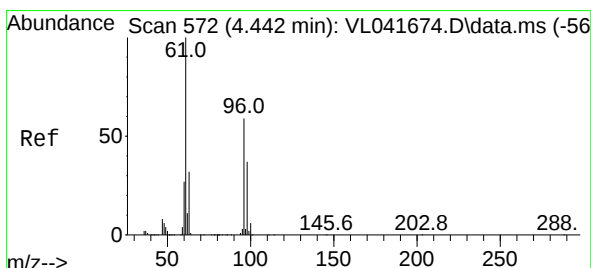
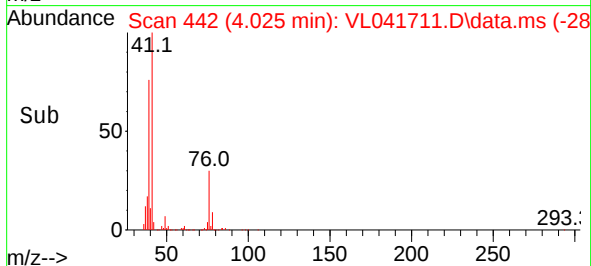
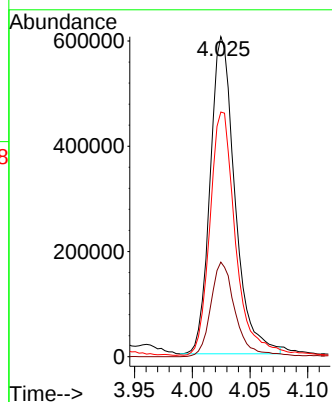
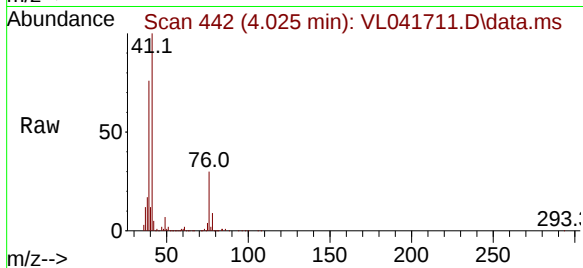
Tgt Ion: 41 Resp: 904964

Ion Ratio Lower Upper

41 100

76 29.8 23.5 35.3

39 80.0 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 10.025 ppbv

RT: 4.475 min Scan# 582

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

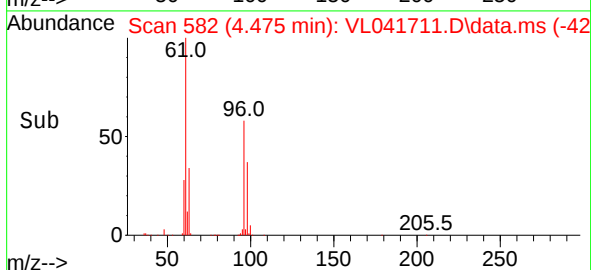
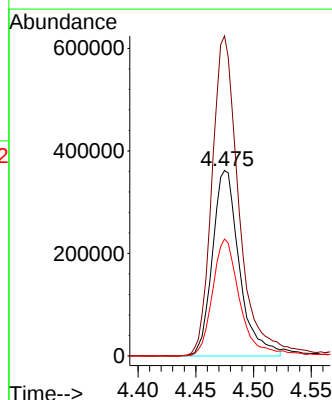
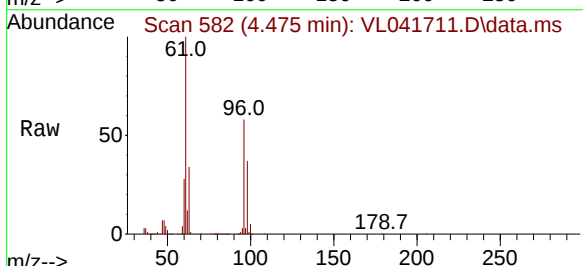
Tgt Ion: 96 Resp: 587155

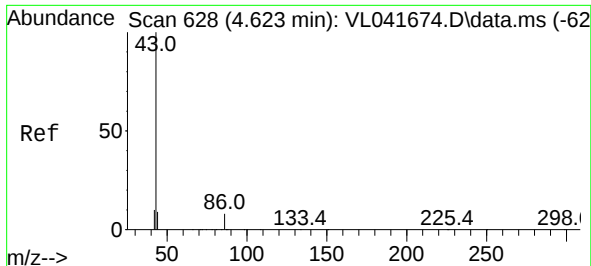
Ion Ratio Lower Upper

96 100

61 172.5 134.5 201.7

98 63.1 49.6 74.4





#23

Vinyl Acetate

Concen: 9.881 ppbv

RT: 4.655 min Scan# 619

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 629204

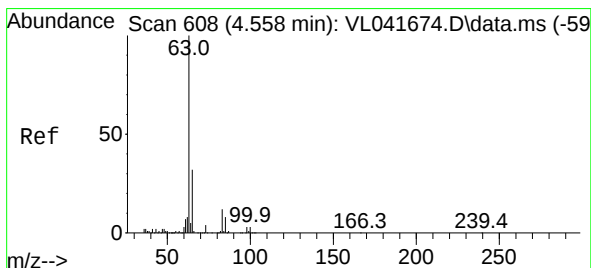
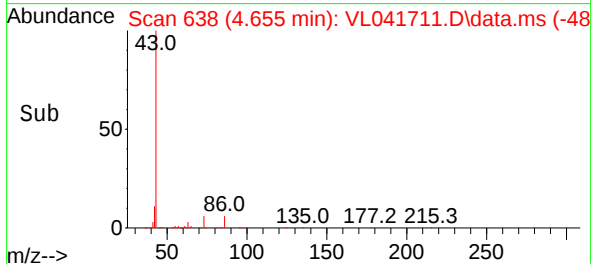
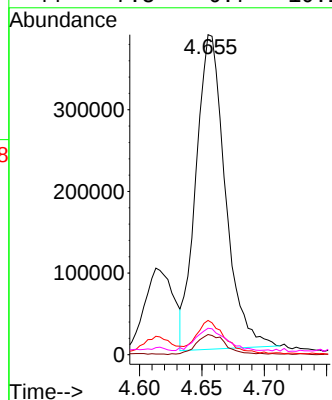
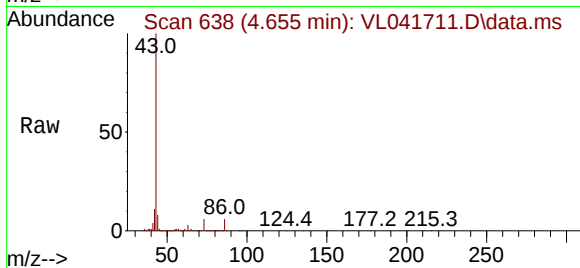
Ion Ratio Lower Upper

43 100

86 6.3 5.3 7.9

42 10.4 8.5 12.7

44 7.3 6.7 10.1



#24

1,1-Dichloroethane

Concen: 9.585 ppbv

RT: 4.594 min Scan# 619

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

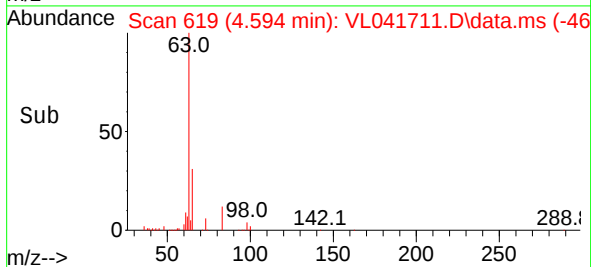
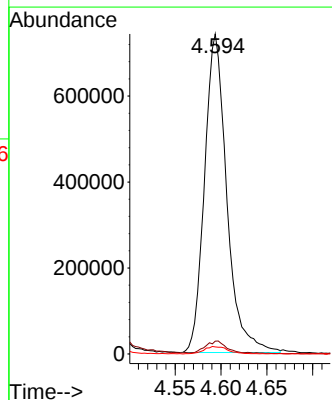
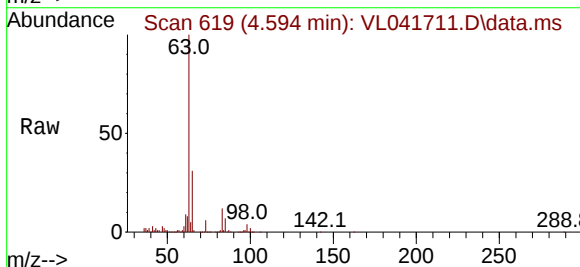
Tgt Ion: 63 Resp: 1253068

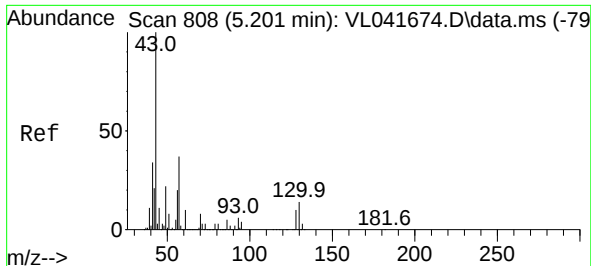
Ion Ratio Lower Upper

63 100

98 3.8 1.8 5.4

100 2.1 1.4 4.2





#25

Ethyl Acetate

Concen: 9.874 ppbv

RT: 5.234 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2952376

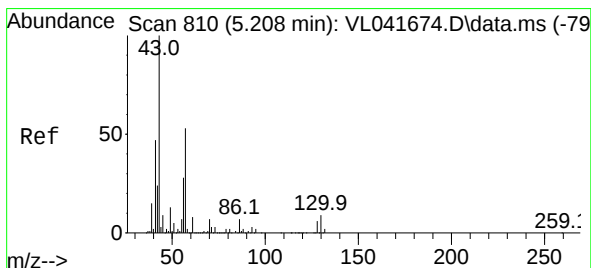
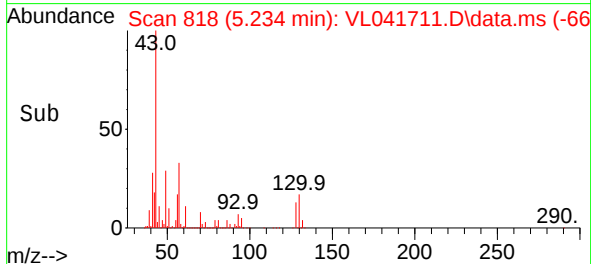
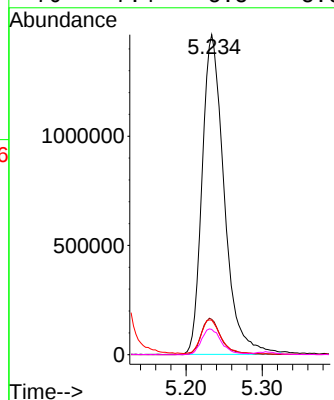
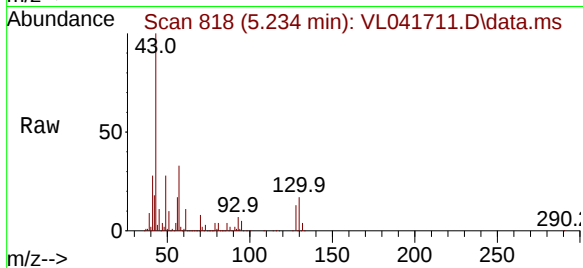
Ion Ratio Lower Upper

43 100

45 10.6 8.6 13.0

61 10.5 8.4 12.6

70 7.4 5.8 8.6



#26

Hexane

Concen: 10.181 ppbv

RT: 5.243 min Scan# 821

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Tgt Ion: 57 Resp: 1169502

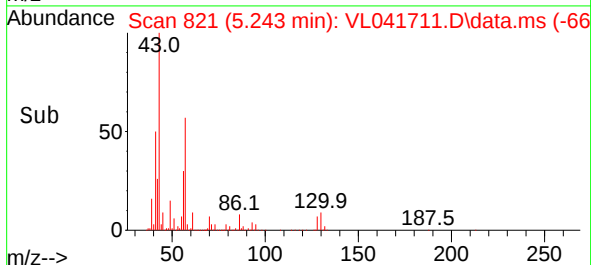
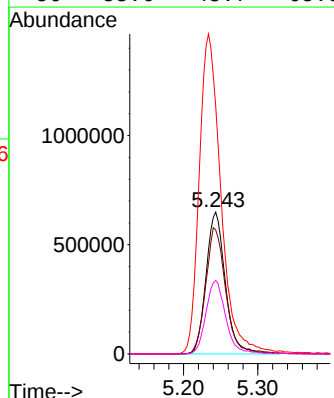
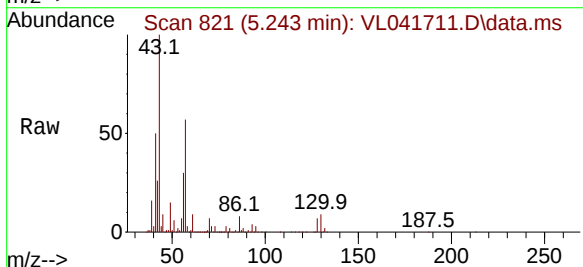
Ion Ratio Lower Upper

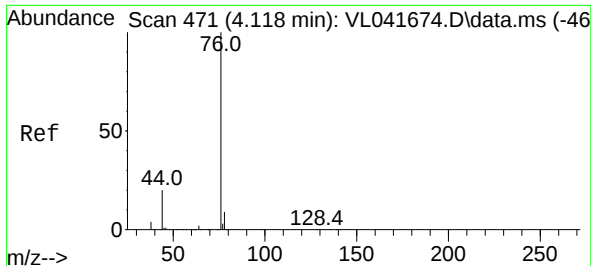
57 100

41 93.0 76.1 114.1

43 255.2 207.0 310.6

56 53.6 43.7 65.5

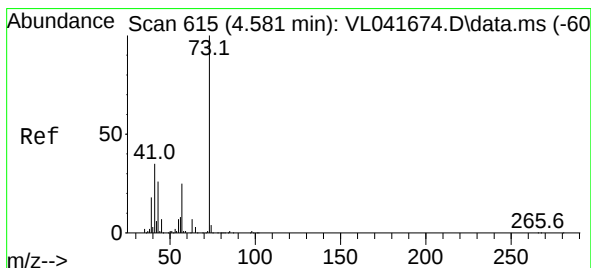
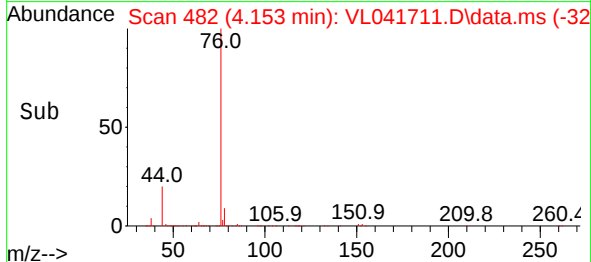
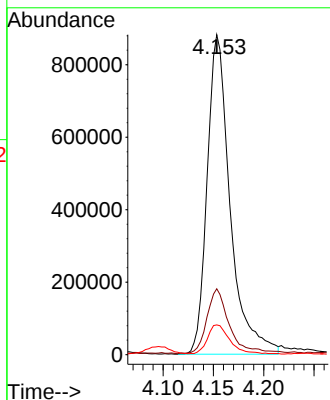
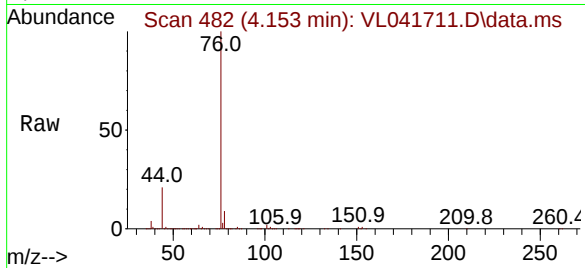




#27
Carbon Disulfide
Concen: 10.871 ppbv
RT: 4.153 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

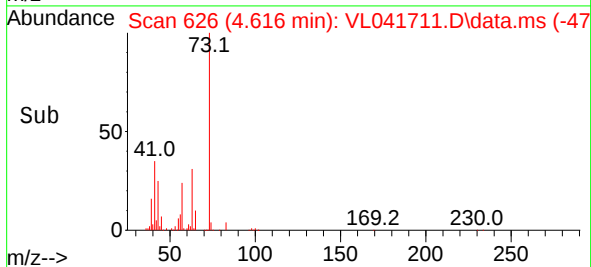
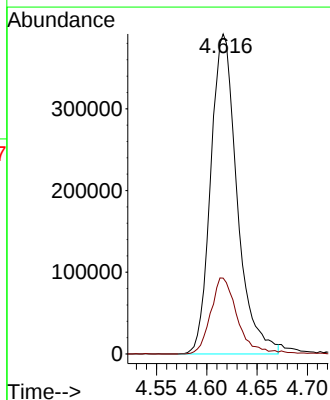
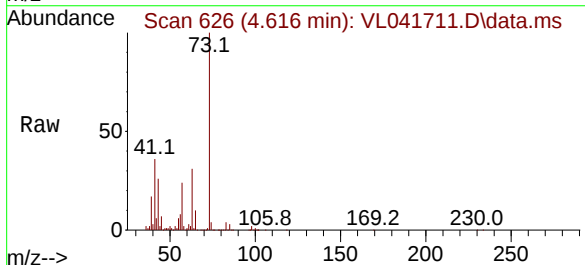
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

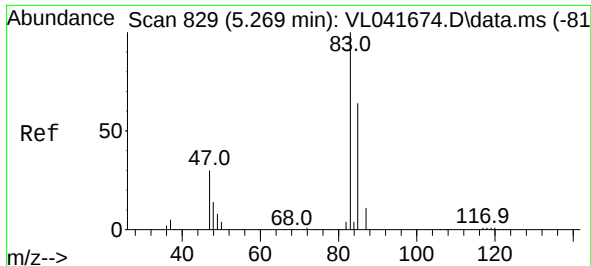
Tgt Ion: 76 Resp: 1403031
Ion Ratio Lower Upper
76 100
44 20.6 15.8 23.8
78 9.6 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 9.668 ppbv
RT: 4.616 min Scan# 626
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 73 Resp: 715210
Ion Ratio Lower Upper
73 100
57 24.4 19.6 29.4





#29

Chloroform

Concen: 9.492 ppbv

RT: 5.308 min Scan# 84

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

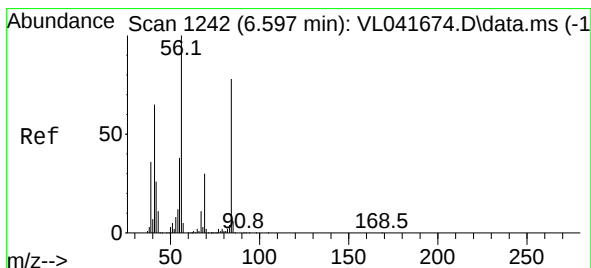
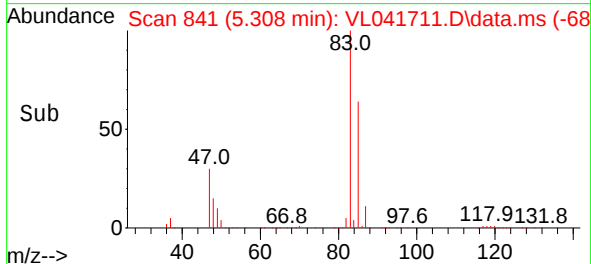
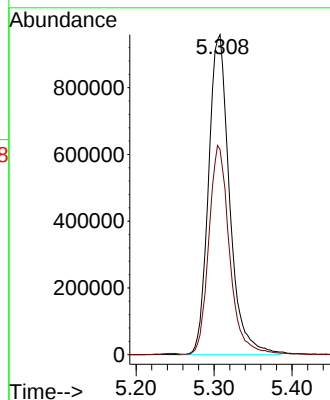
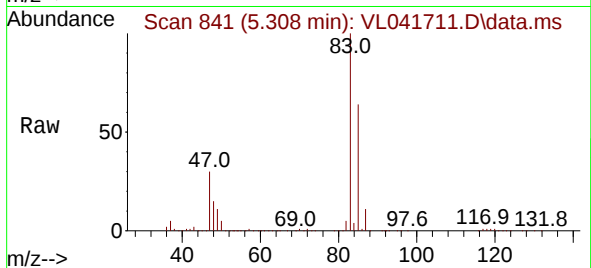
VSTDCCC010

Tgt Ion: 83 Resp: 1799780

Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7



#30

Cyclohexane

Concen: 10.122 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

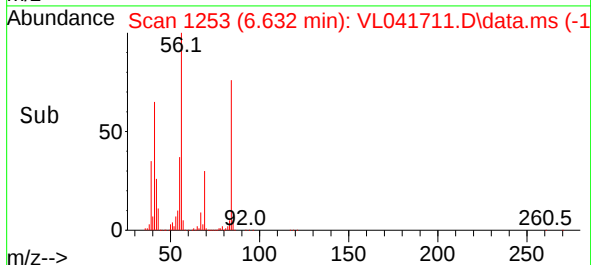
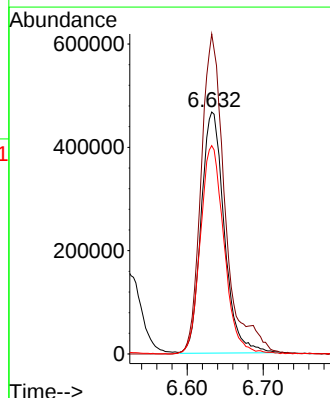
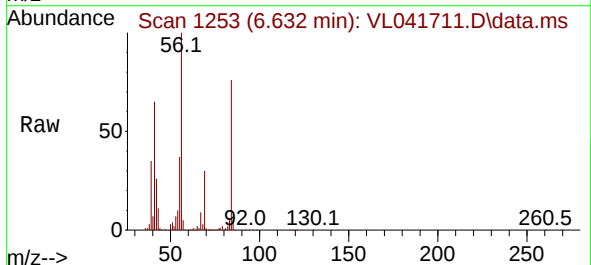
Tgt Ion: 84 Resp: 990103

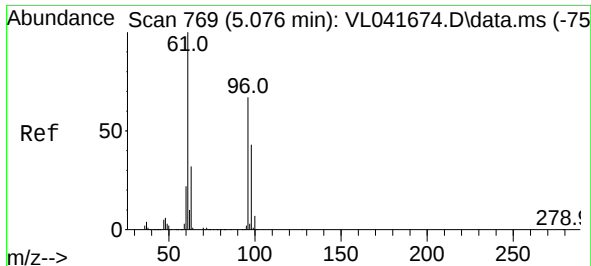
Ion Ratio Lower Upper

84 100

56 137.5 110.8 166.2

41 88.2 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 10.202 ppbv

RT: 5.108 min Scan# 7

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

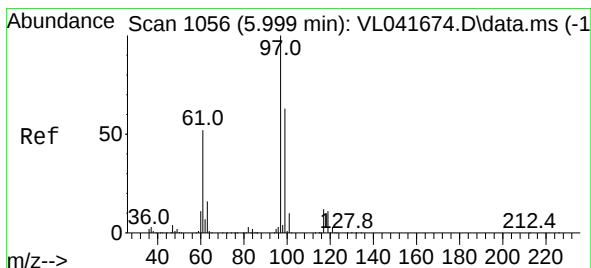
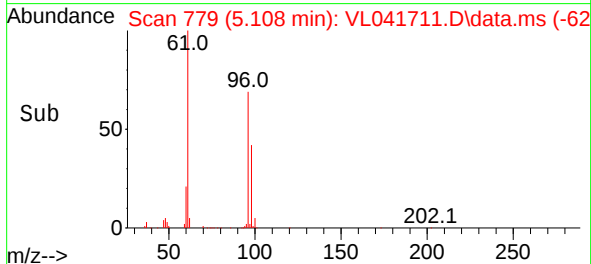
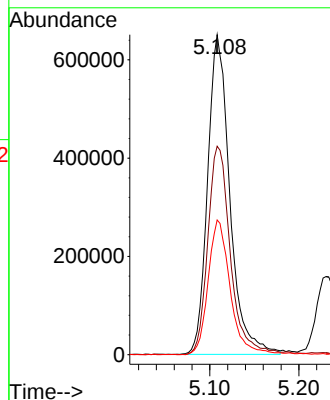
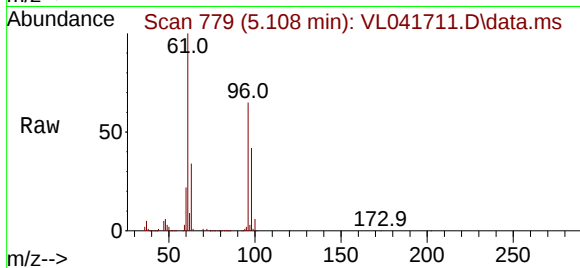
Tgt Ion: 61 Resp: 1127435

Ion Ratio Lower Upper

61 100

96 65.2 53.4 80.2

98 42.2 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 10.184 ppbv

RT: 6.034 min Scan# 1067

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

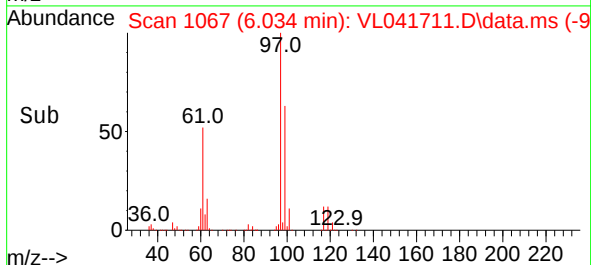
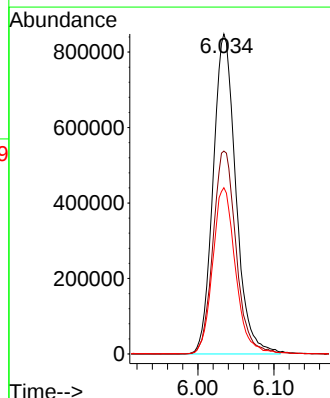
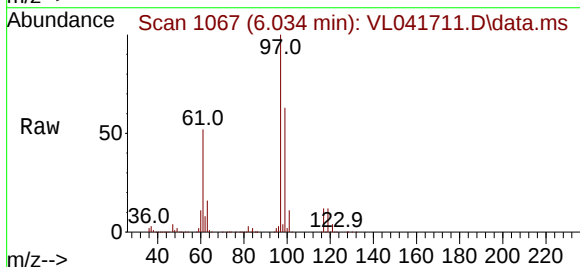
Tgt Ion: 97 Resp: 1761688

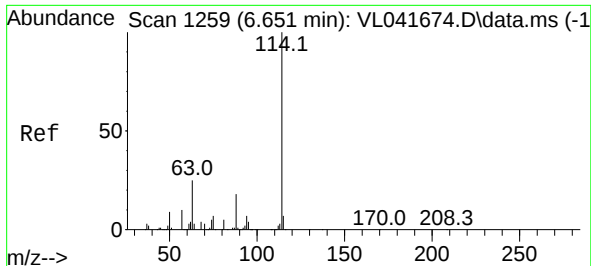
Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.2

61 52.5 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.684 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

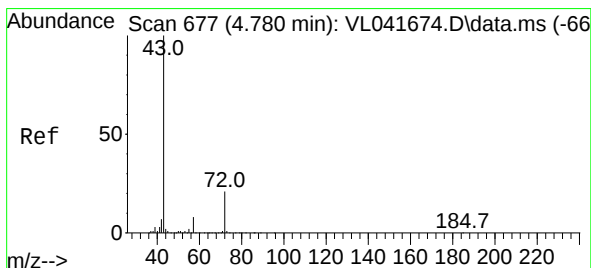
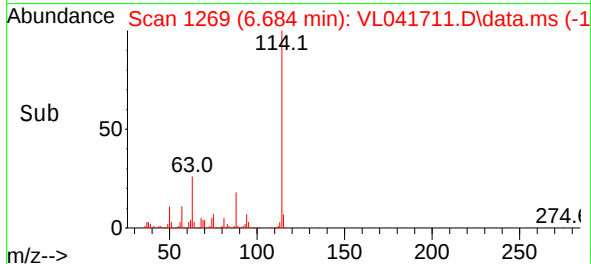
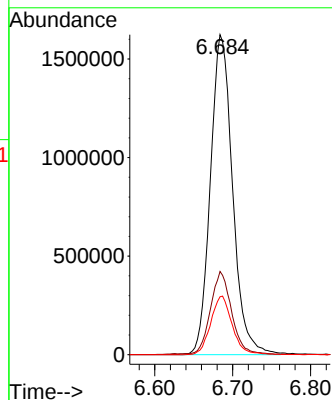
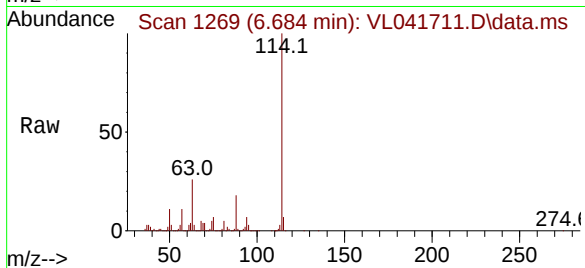
Tgt Ion:114 Resp: 3217567

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.8 14.2 21.4



#34

2-Butanone

Concen: 9.046 ppbv

RT: 4.816 min Scan# 688

Delta R.T. 0.000 min

Lab File: VL041711.D

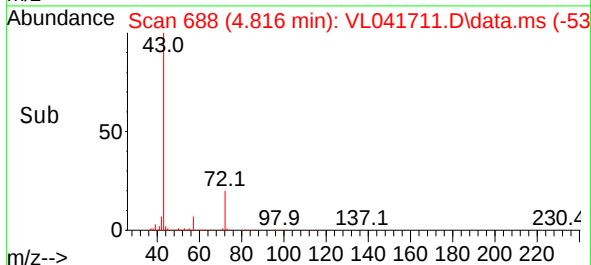
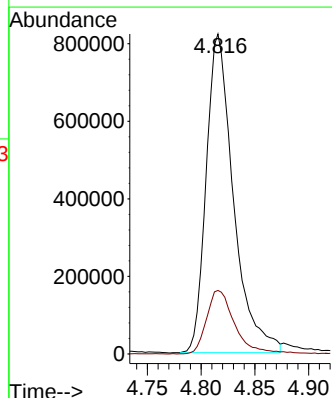
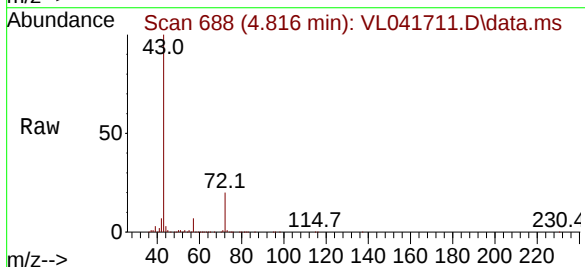
Acq: 21 Nov 2024 8:50

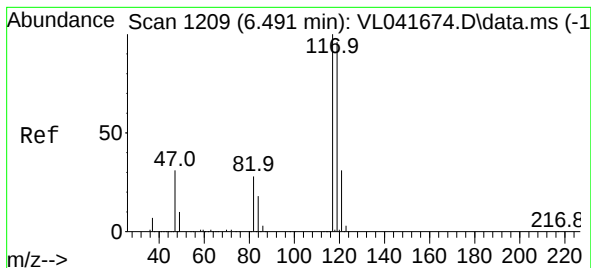
Tgt Ion: 43 Resp: 1449252

Ion Ratio Lower Upper

43 100

72 21.1 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.764 ppbv

RT: 6.526 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

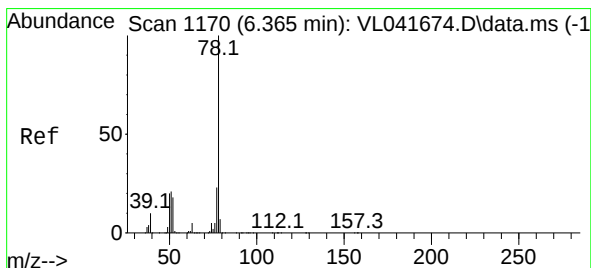
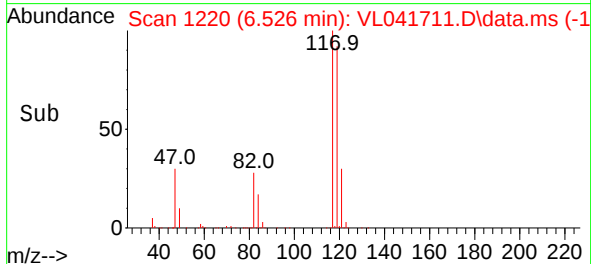
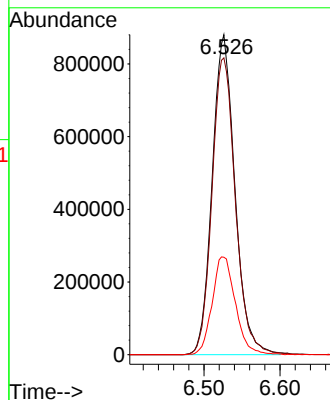
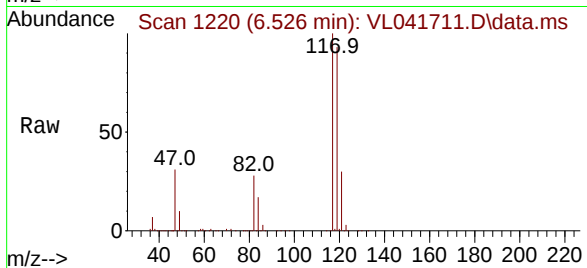
Tgt Ion:117 Resp: 1827244

Ion Ratio Lower Upper

117 100

119 92.8 77.2 115.8

121 30.5 25.0 37.4



#36

Benzene

Concen: 10.333 ppbv

RT: 6.401 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

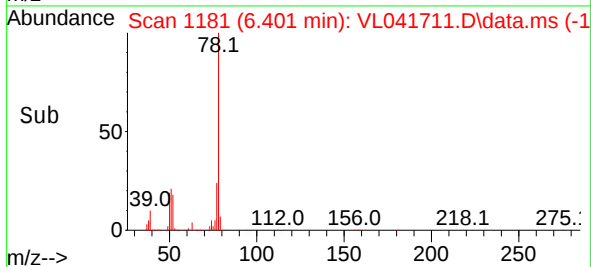
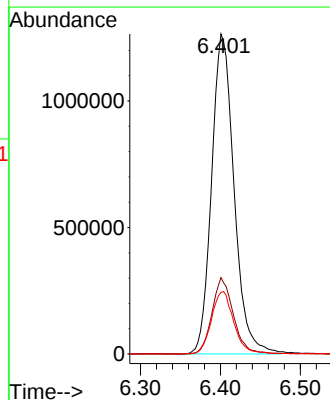
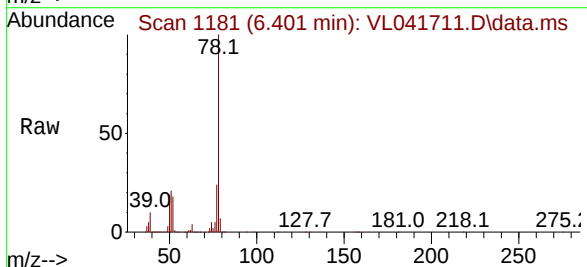
Tgt Ion: 78 Resp: 2463354

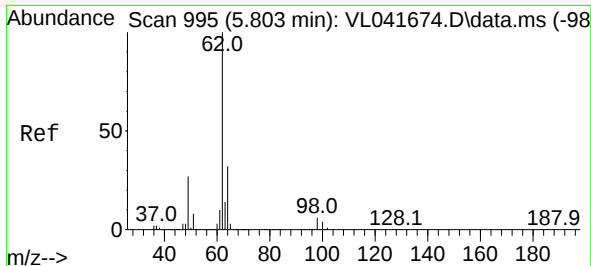
Ion Ratio Lower Upper

78 100

77 23.8 18.5 27.7

50 19.2 15.6 23.4





#37

1,2-Dichloroethane

Concen: 10.120 ppbv

RT: 5.838 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

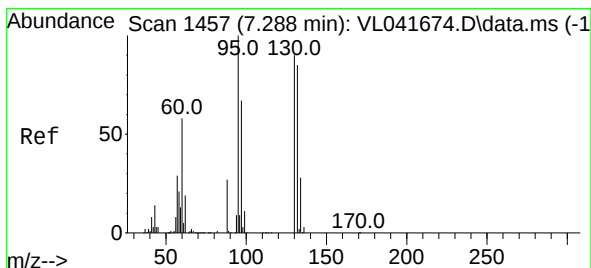
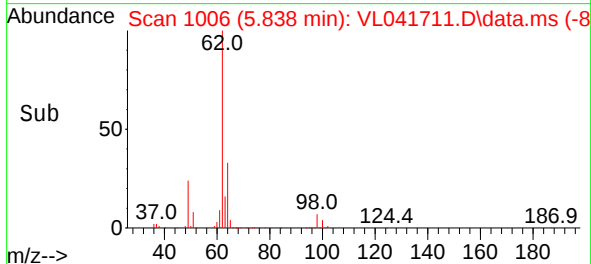
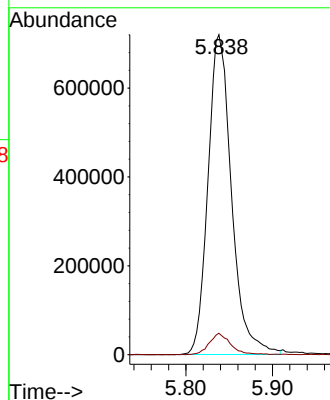
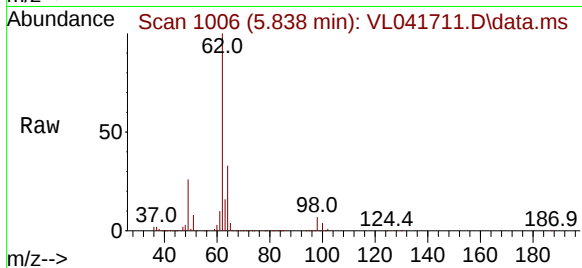
VSTDCCC010

Tgt Ion: 62 Resp: 1361156

Ion Ratio Lower Upper

62 100

98 6.3 5.2 7.8



#38

Trichloroethene

Concen: 10.934 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Tgt Ion:130 Resp: 1001170

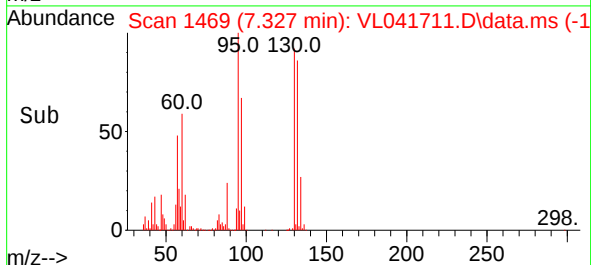
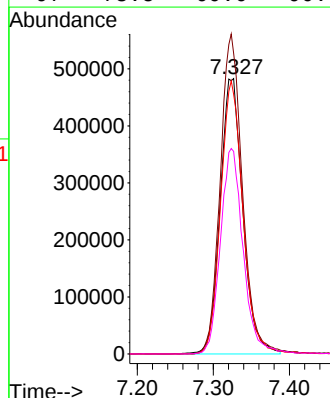
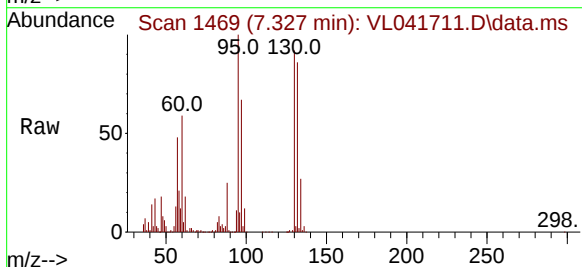
Ion Ratio Lower Upper

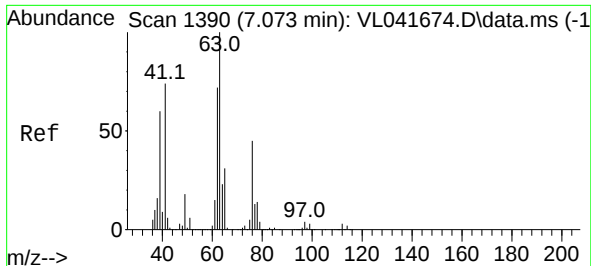
130 100

95 109.2 89.1 133.7

132 94.2 75.7 113.5

97 73.5 60.0 90.0

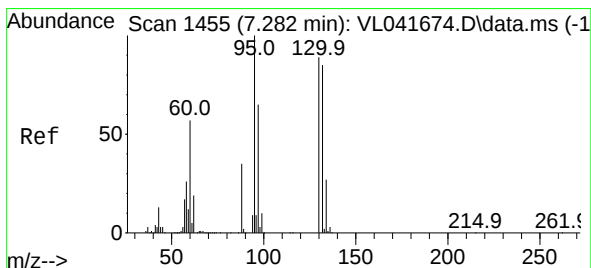
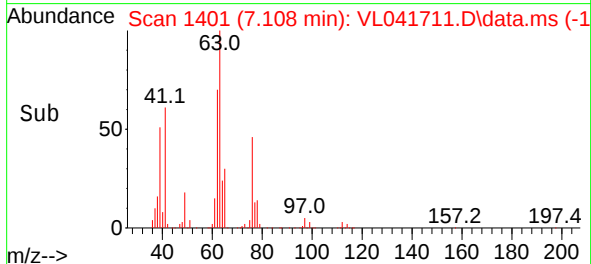
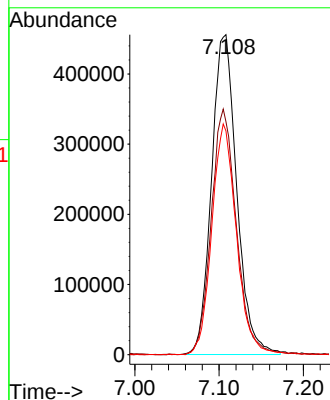
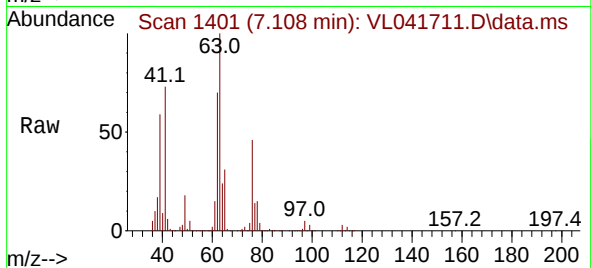




#39
1,2-Dichloropropane
Concen: 10.045 ppbv
RT: 7.108 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

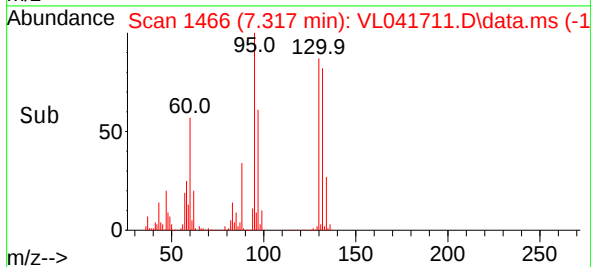
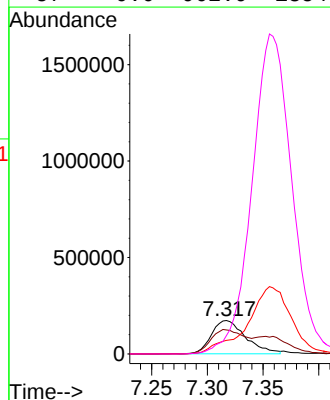
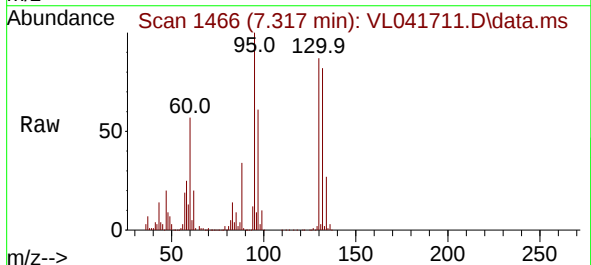
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

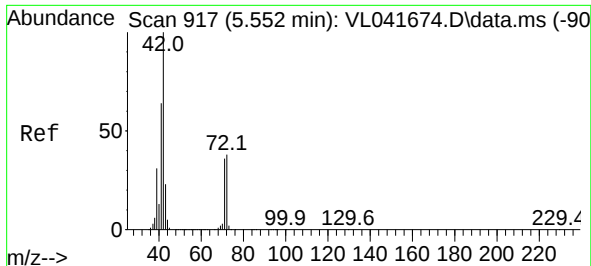
Tgt Ion: 63 Resp: 946394
Ion Ratio Lower Upper
63 100
41 72.8 59.1 88.7
62 69.9 57.7 86.5



#40
1,4-Dioxane
Concen: 10.936 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 88 Resp: 369652
Ion Ratio Lower Upper
88 100
58 125.9 101.4 152.2
43 0.0 208.0 312.0#
57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 11.055 ppbv

RT: 5.587 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

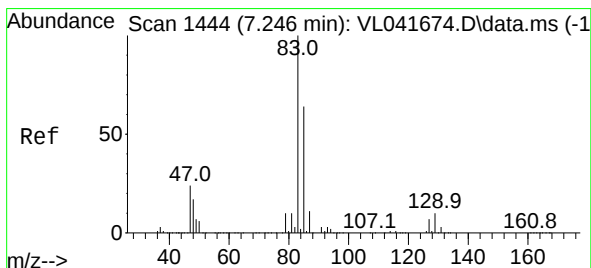
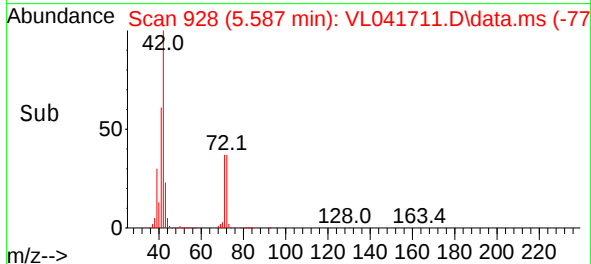
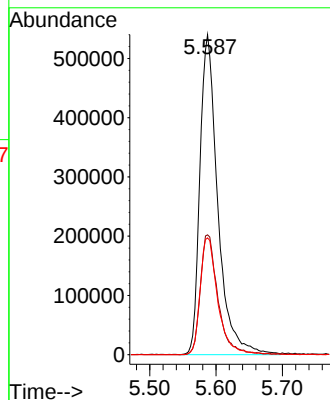
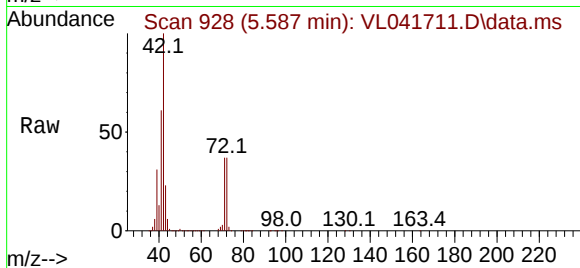
Tgt Ion: 42 Resp: 1011478

Ion Ratio Lower Upper

42 100

72 37.2 29.8 44.6

71 36.4 29.4 44.2



#42

Bromodichloromethane

Concen: 10.438 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

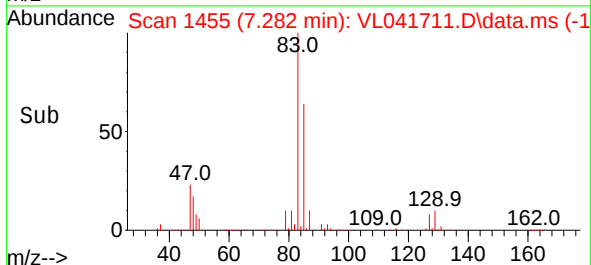
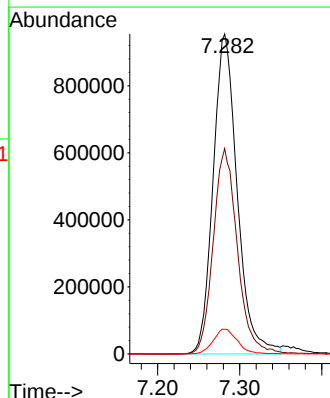
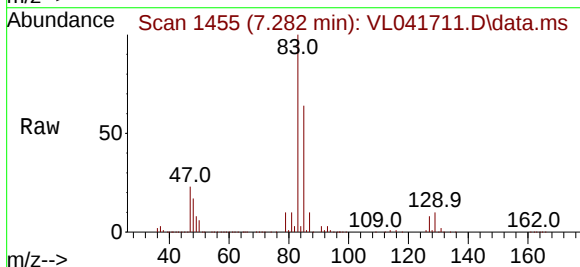
Tgt Ion: 83 Resp: 1950791

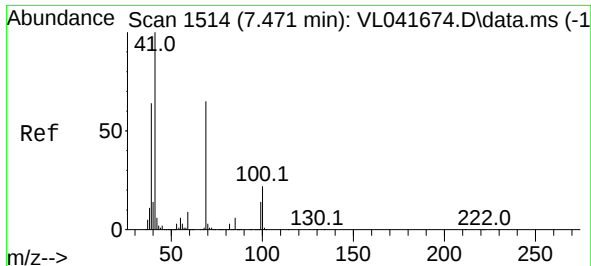
Ion Ratio Lower Upper

83 100

85 64.2 51.2 76.8

127 7.7 6.0 9.0





#43

Methyl Methacrylate

Concen: 11.476 ppbv

RT: 7.507 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

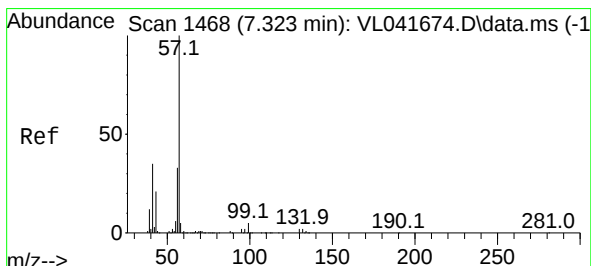
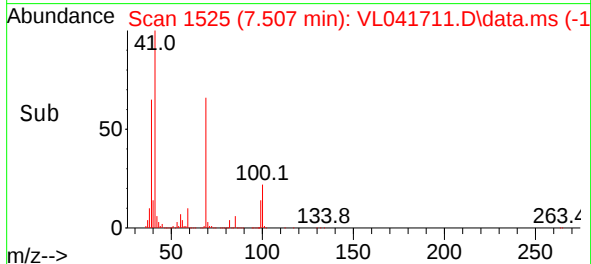
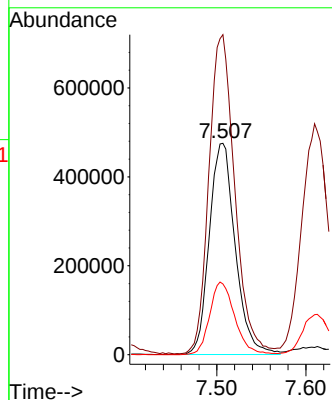
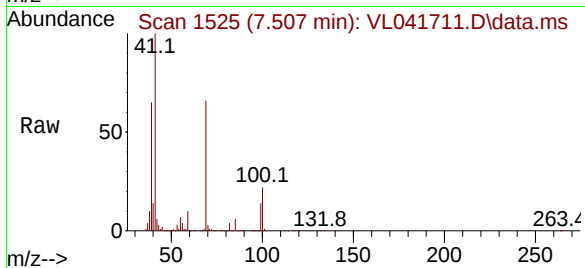
Tgt Ion: 69 Resp: 960580

Ion Ratio Lower Upper

69 100

41 150.9 119.8 179.6

100 33.3 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 10.251 ppbv

RT: 7.356 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

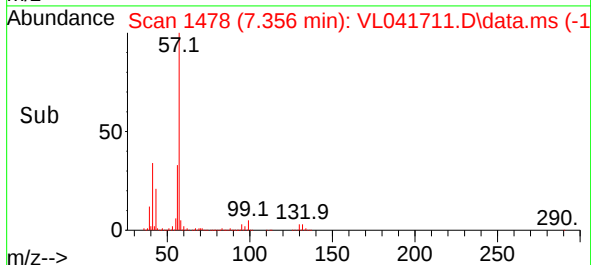
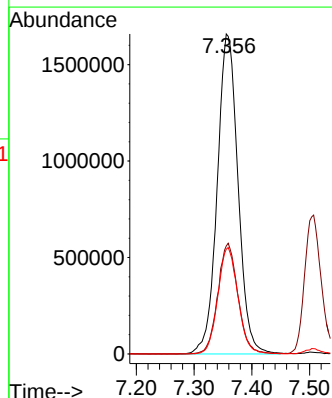
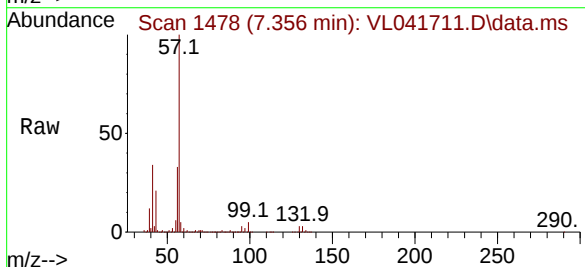
Tgt Ion: 57 Resp: 4139526

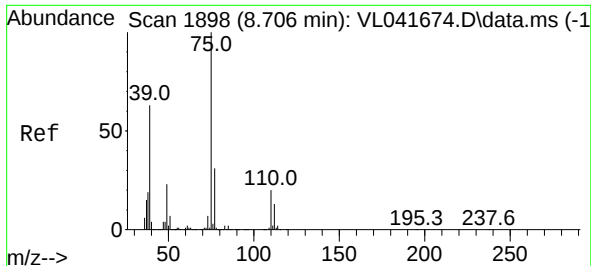
Ion Ratio Lower Upper

57 100

41 33.7 27.0 40.6

56 32.2 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 12.329 ppbv

RT: 8.741 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

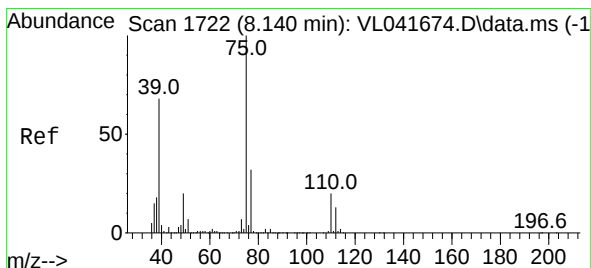
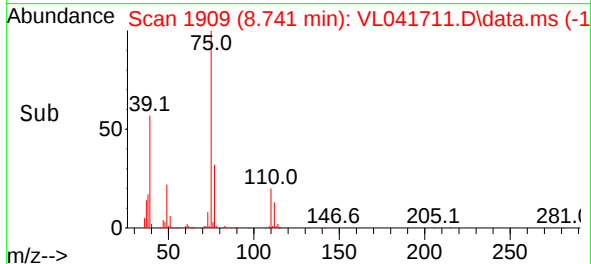
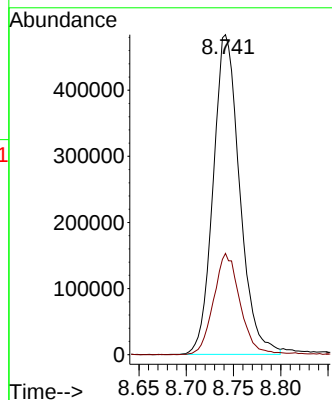
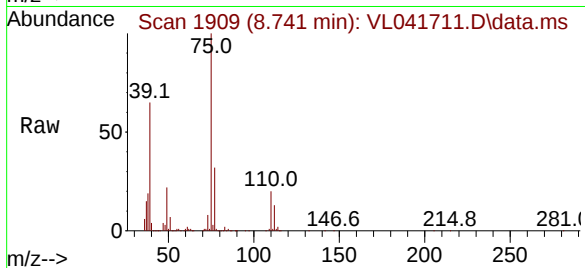
VSTDCCC010

Tgt Ion: 75 Resp: 943007

Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 11.647 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

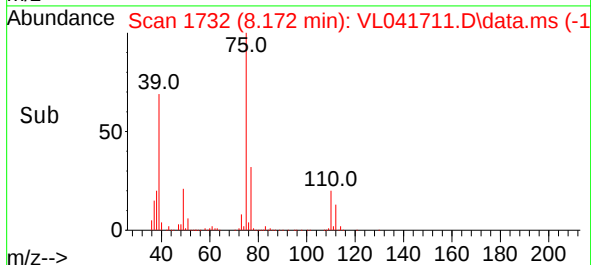
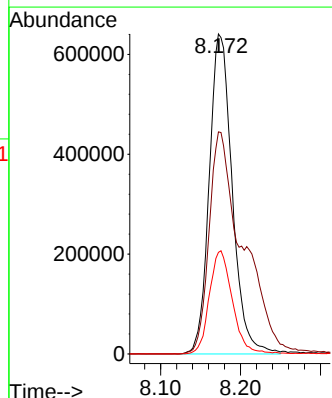
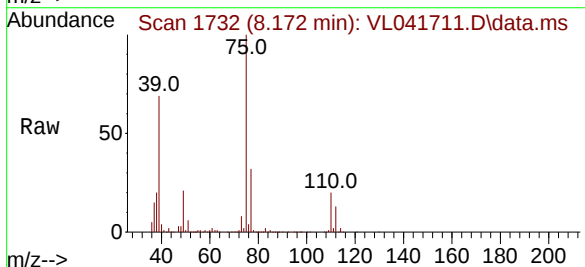
Tgt Ion: 75 Resp: 1279587

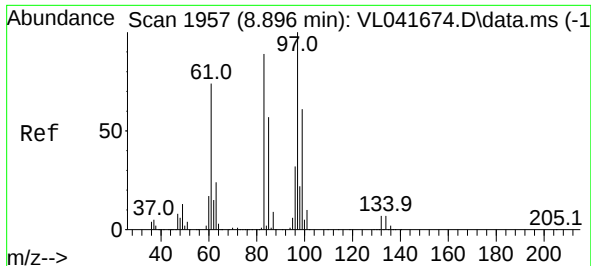
Ion Ratio Lower Upper

75 100

39 69.4 54.1 81.1

77 31.8 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 9.898 ppbv

RT: 8.931 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1009245

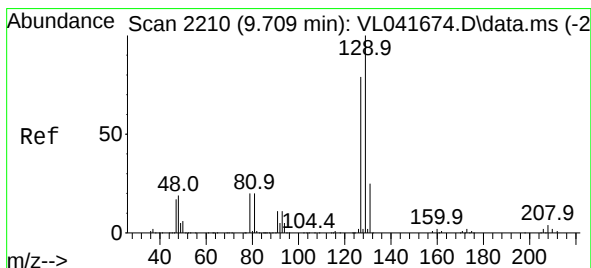
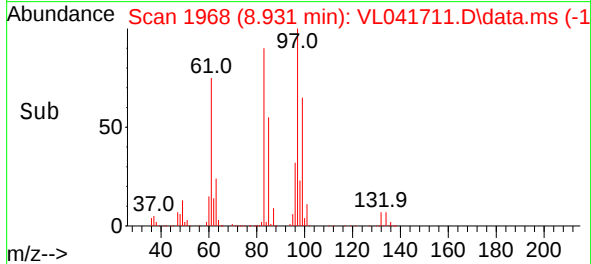
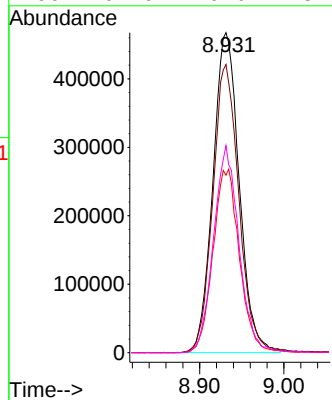
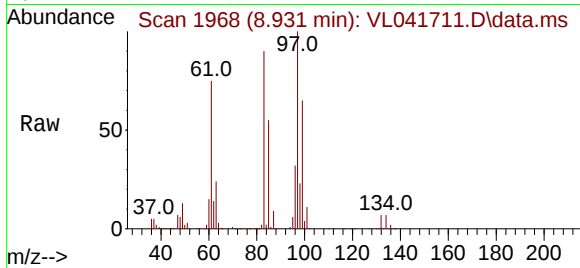
Ion Ratio Lower Upper

97 100

83 90.0 71.0 106.6

85 55.5 45.4 68.2

99 64.6 49.0 73.6



#48

Dibromochloromethane

Concen: 10.722 ppbv

RT: 9.741 min Scan# 2220

Delta R.T. 0.000 min

Lab File: VL041711.D

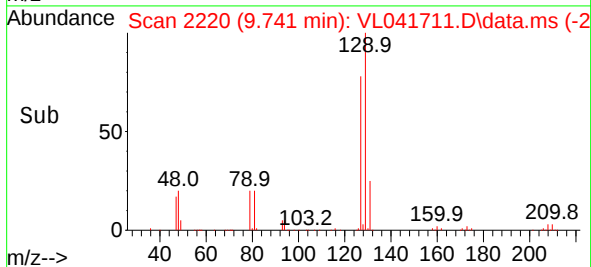
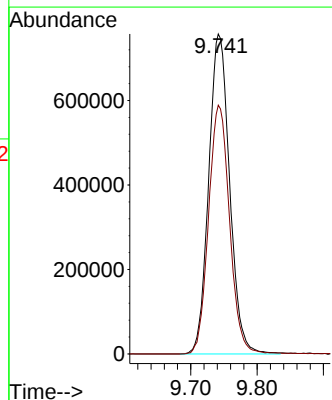
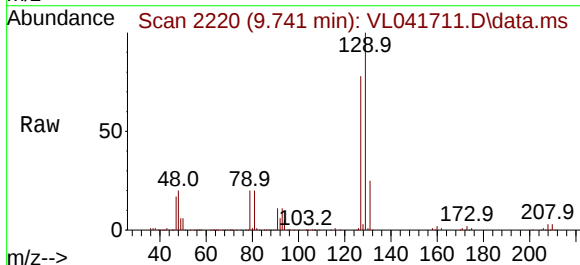
Acq: 21 Nov 2024 8:50

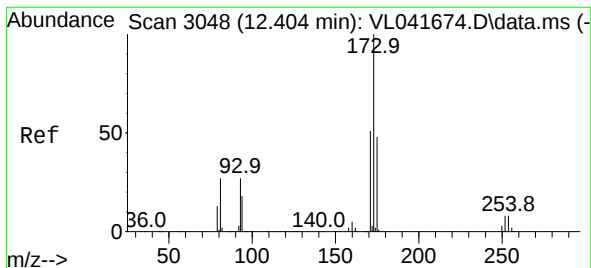
Tgt Ion: 129 Resp: 1661895

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.2





#49

Bromoform

Concen: 11.079 ppbv

RT: 12.439 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

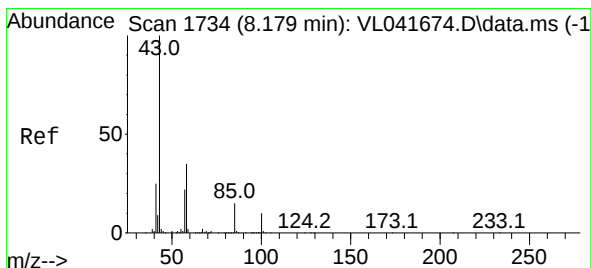
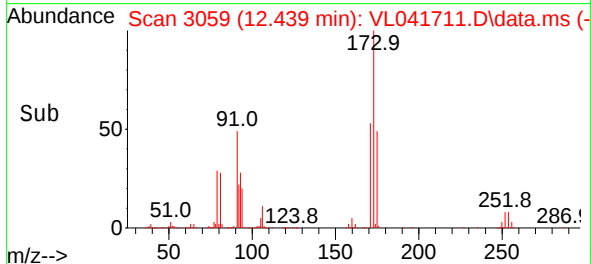
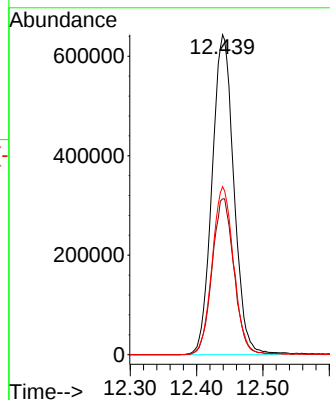
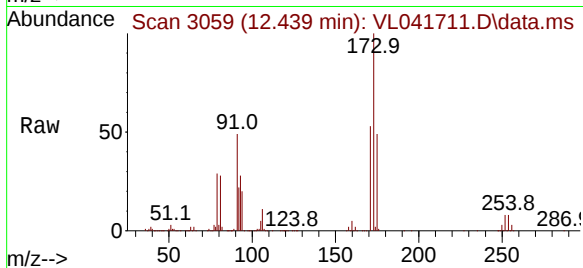
Tgt Ion:173 Resp: 1469304

Ion Ratio Lower Upper

173 100

175 49.5 39.2 58.8

171 52.2 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 10.787 ppbv

RT: 8.211 min Scan# 1744

Delta R.T. 0.000 min

Lab File: VL041711.D

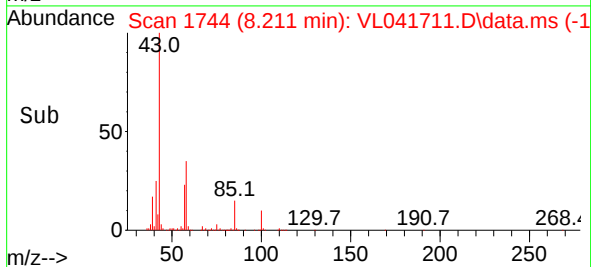
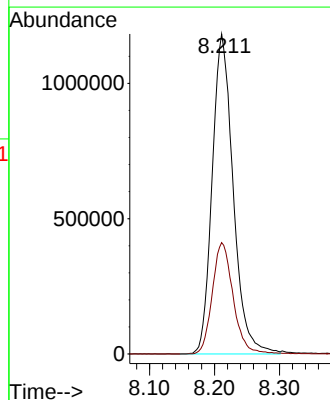
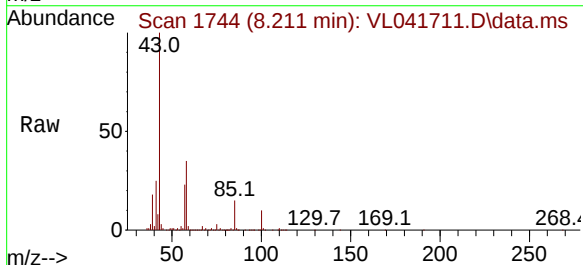
Acq: 21 Nov 2024 8:50

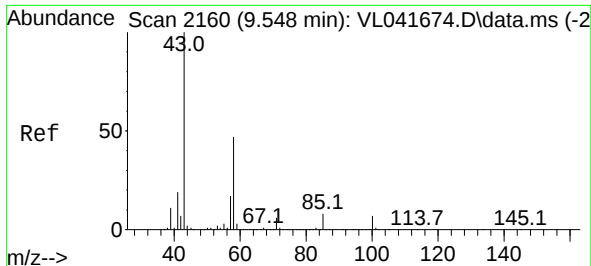
Tgt Ion: 43 Resp: 2653020

Ion Ratio Lower Upper

43 100

58 34.8 27.7 41.5

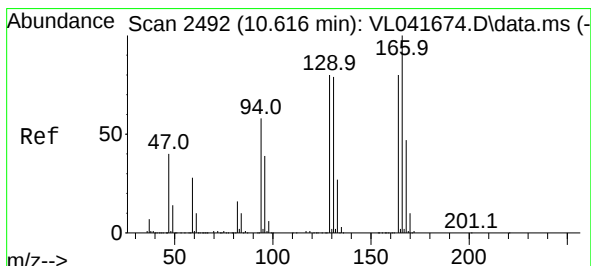
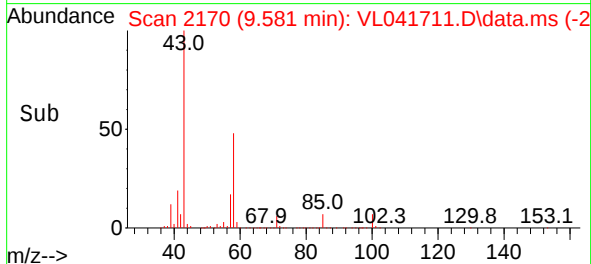
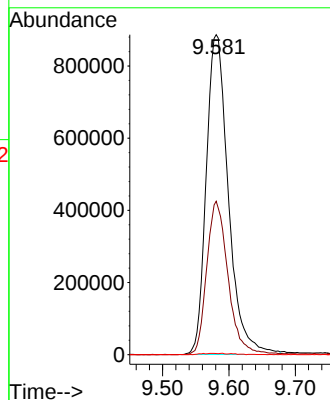
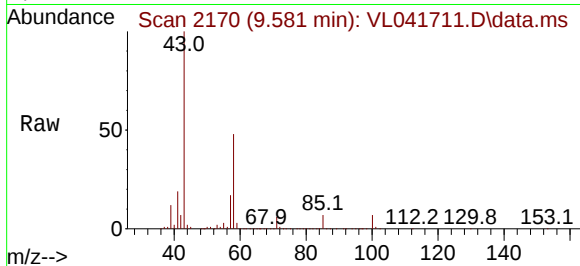




#51
2-Hexanone
Concen: 11.460 ppbv
RT: 9.581 min Scan# 2160
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

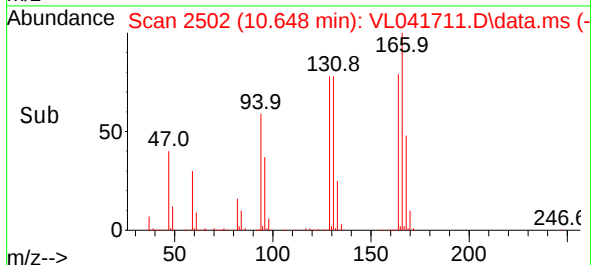
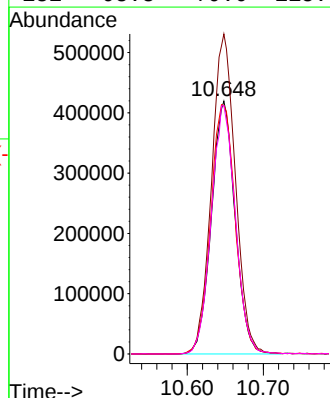
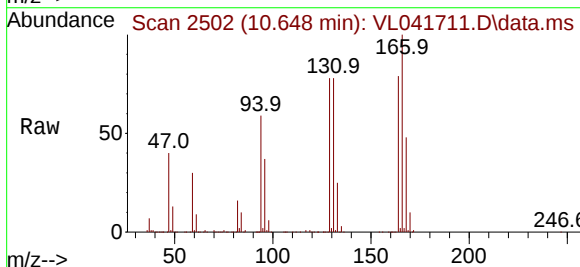
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

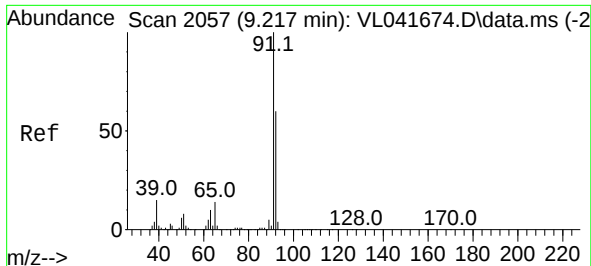
Tgt Ion: 43 Resp: 2052626
Ion Ratio Lower Upper
43 100
58 46.8 37.0 55.6
98 0.6 0.6 0.8



#52
Tetrachloroethene
Concen: 11.127 ppbv
RT: 10.648 min Scan# 2502
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 164 Resp: 903960
Ion Ratio Lower Upper
164 100
166 126.5 100.2 150.4
129 98.3 79.7 119.5
131 98.3 79.0 118.4





#53

Toluene

Concen: 11.317 ppbv

RT: 9.253 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

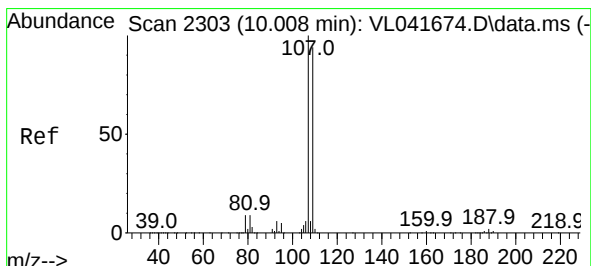
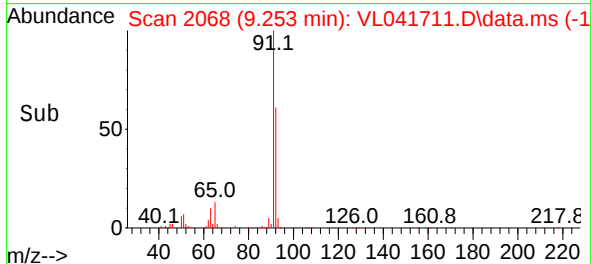
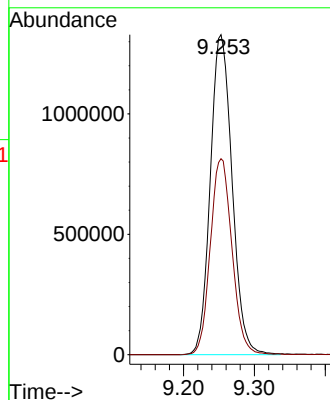
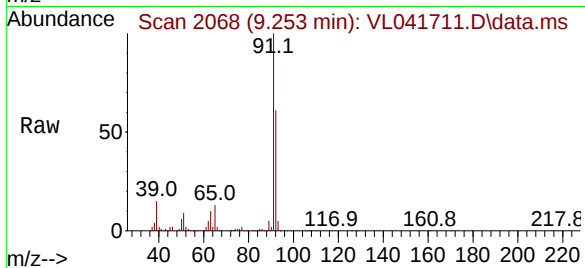
VSTDCCC010

Tgt Ion: 91 Resp: 2837342

Ion Ratio Lower Upper

91 100

92 61.0 49.0 73.4



#54

1,2-Dibromoethane

Concen: 11.480 ppbv

RT: 10.040 min Scan# 2313

Delta R.T. 0.000 min

Lab File: VL041711.D

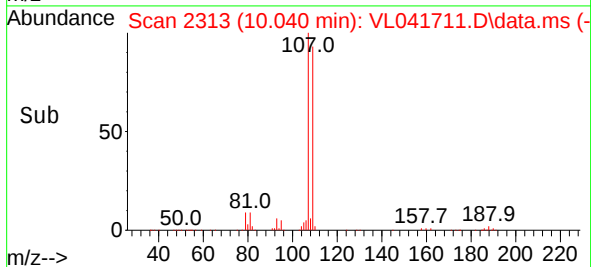
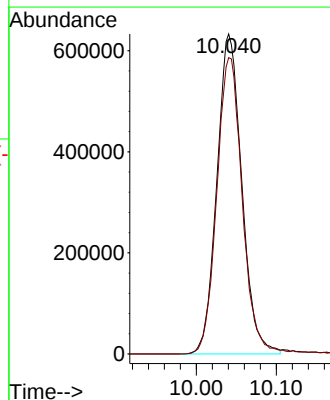
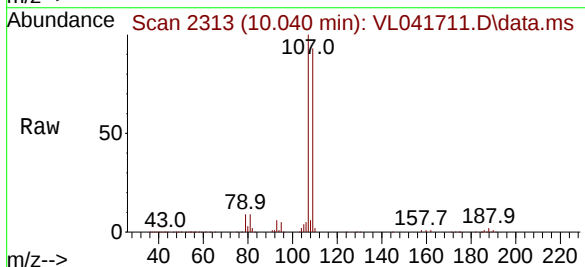
Acq: 21 Nov 2024 8:50

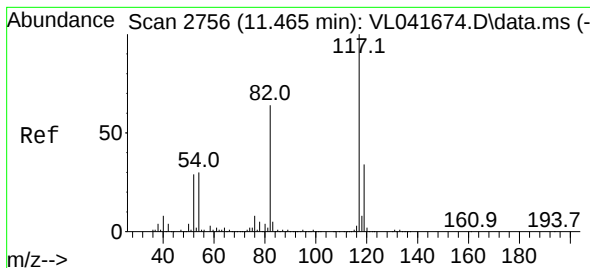
Tgt Ion:107 Resp: 1367674

Ion Ratio Lower Upper

107 100

109 92.6 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.497 min Scan# 2756

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

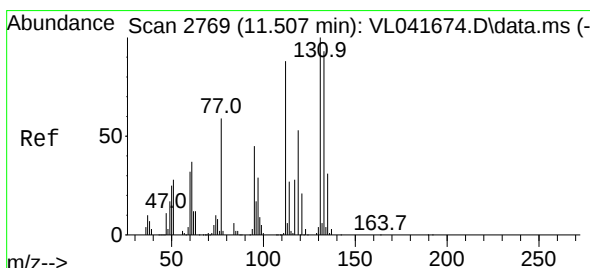
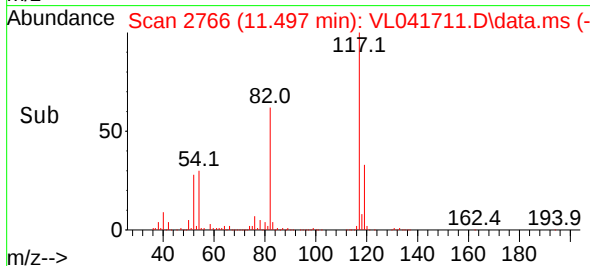
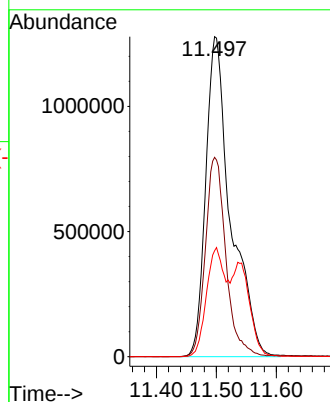
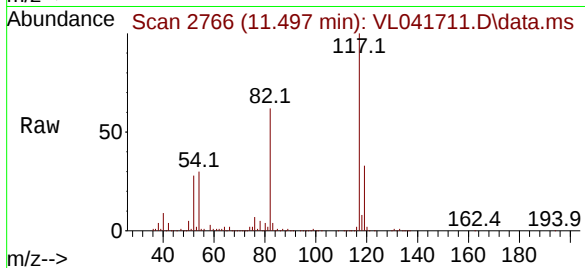
Tgt Ion:117 Resp: 3707892

Ion Ratio Lower Upper

117 100

82 51.8 49.8 74.8

119 23.9 24.2 36.4#



#56

1,1,1,2-Tetrachloroethane

Concen: 8.195 ppbv

RT: 11.539 min Scan# 2779

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

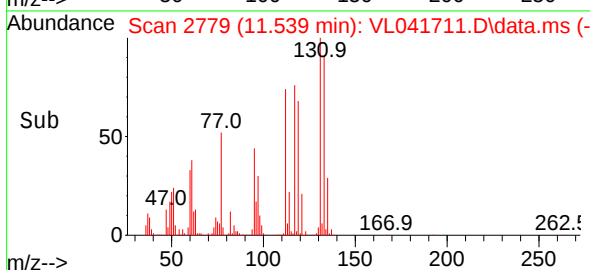
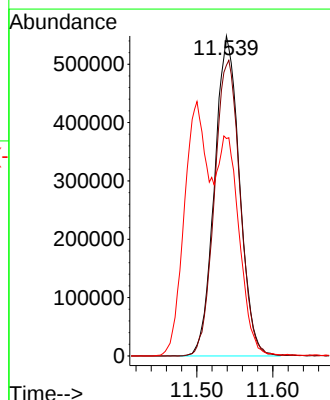
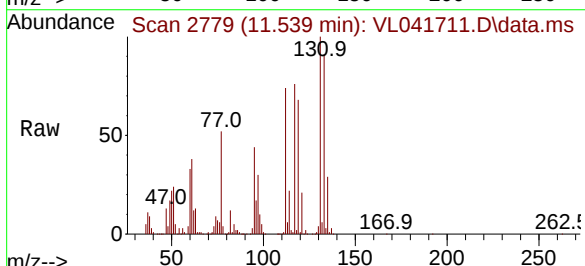
Tgt Ion:131 Resp: 1253171

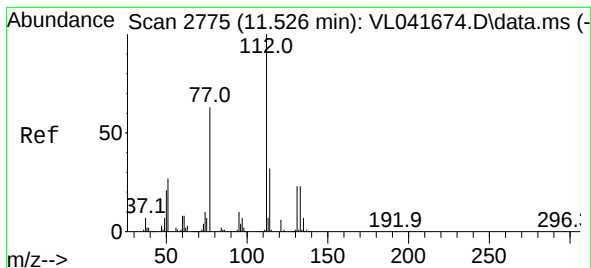
Ion Ratio Lower Upper

131 100

133 94.8 76.5 114.7

119 64.6 49.8 74.8

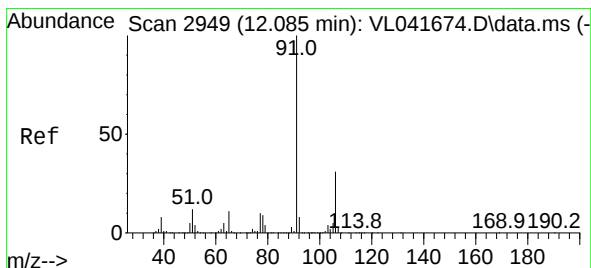
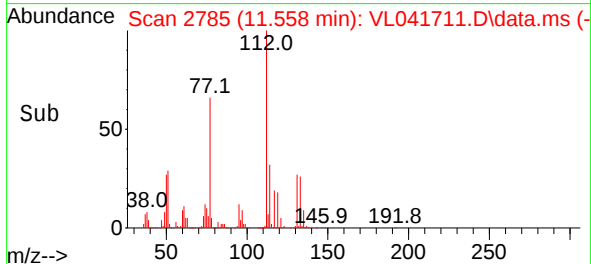
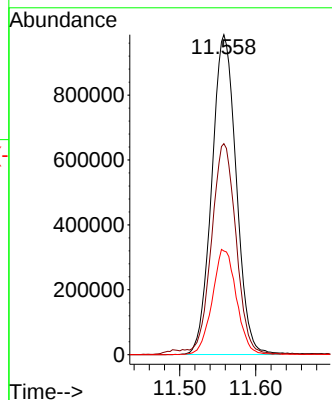
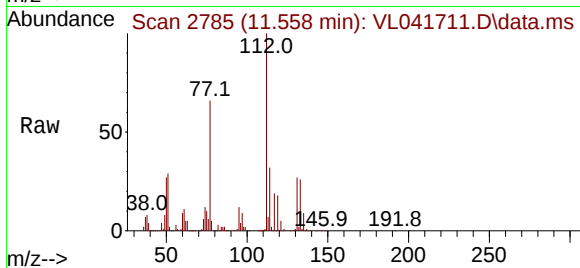




#57
Chlorobenzene
Concen: 8.031 ppbv
RT: 11.558 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

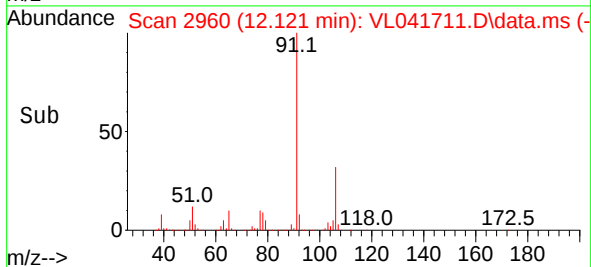
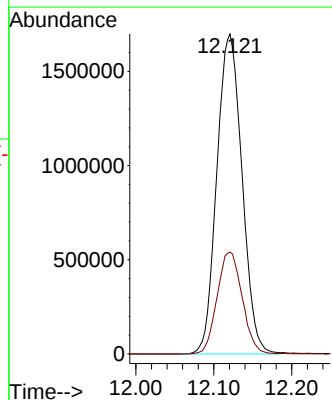
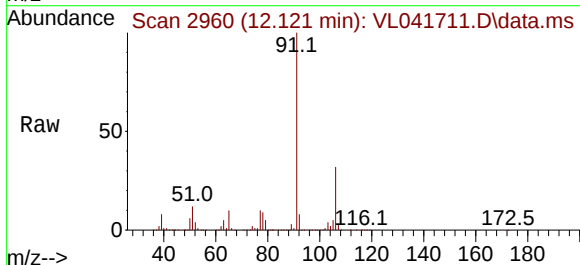
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

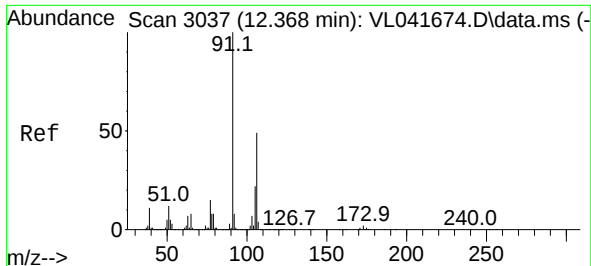
Tgt Ion:112 Resp: 2202336
Ion Ratio Lower Upper
112 100
77 65.7 51.4 77.2
114 32.3 28.4 34.8



#58
Ethyl Benzene
Concen: 9.368 ppbv
RT: 12.121 min Scan# 2960
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 91 Resp: 3808048
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3





#59

m/p-Xylene

Concen: 9.049 ppbv

RT: 12.404 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_1

ClientSampleId :

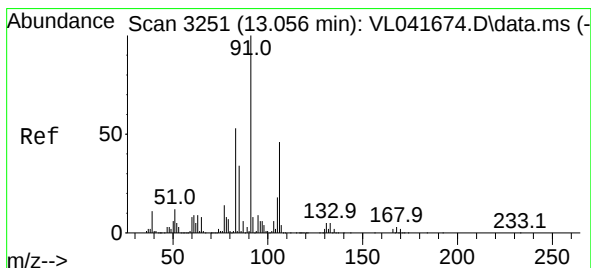
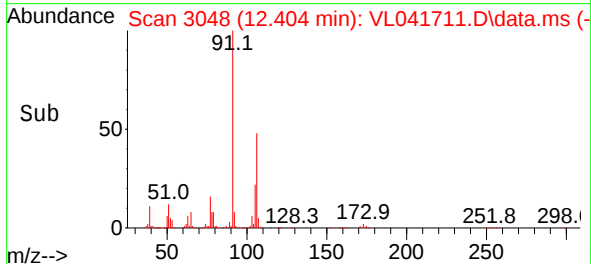
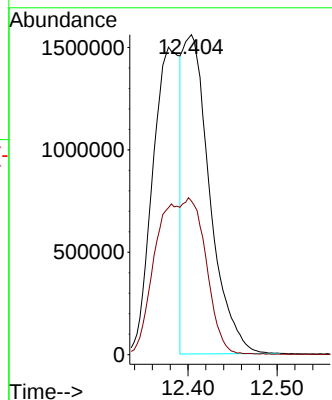
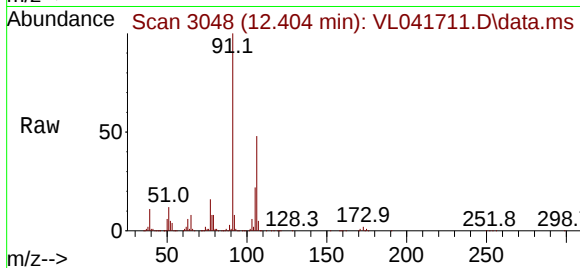
VSTDCCC010

Tgt Ion: 91 Resp: 3294190

Ion Ratio Lower Upper

91 100

106 90.2 36.9 55.3#



#60

o-Xylene

Concen: 8.954 ppbv

RT: 13.089 min Scan# 3261

Delta R.T. 0.000 min

Lab File: VL041711.D

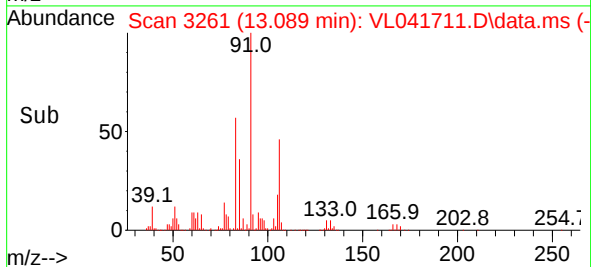
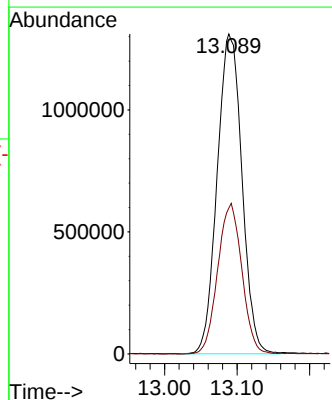
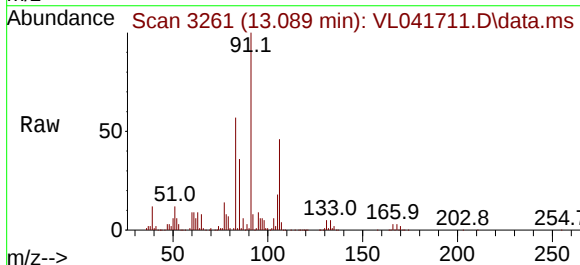
Acq: 21 Nov 2024 8:50

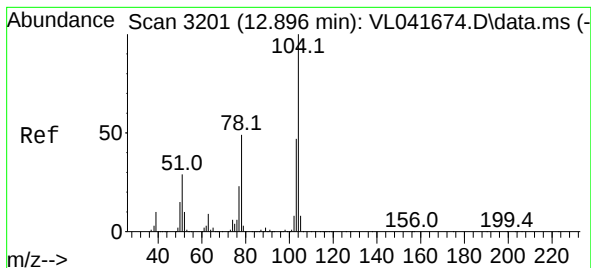
Tgt Ion: 91 Resp: 3108102

Ion Ratio Lower Upper

91 100

106 45.9 23.2 69.6





#61

Styrene

Concen: 10.457 ppbv

RT: 12.928 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

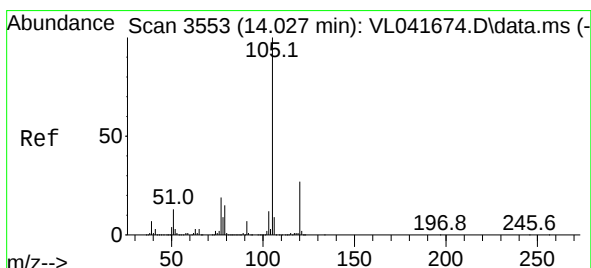
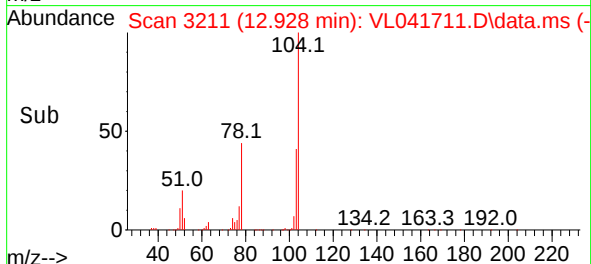
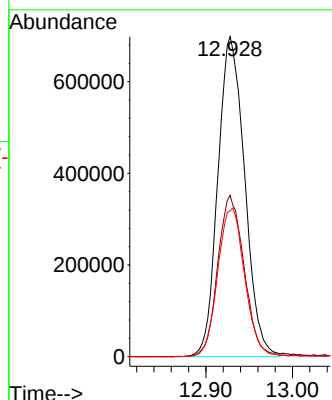
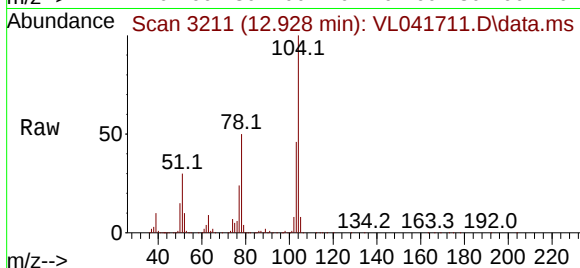
Tgt Ion:104 Resp: 1498189

Ion Ratio Lower Upper

104 100

78 49.9 39.8 59.8

103 47.1 37.4 56.0



#62

Isopropylbenzene

Concen: 8.553 ppbv

RT: 14.060 min Scan# 3563

Delta R.T. 0.000 min

Lab File: VL041711.D

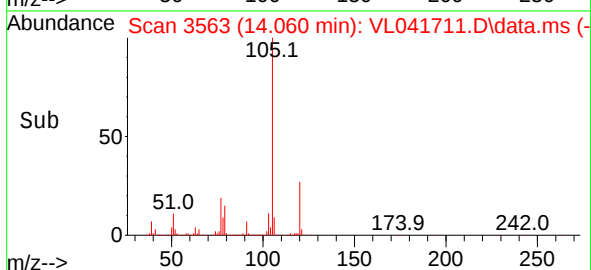
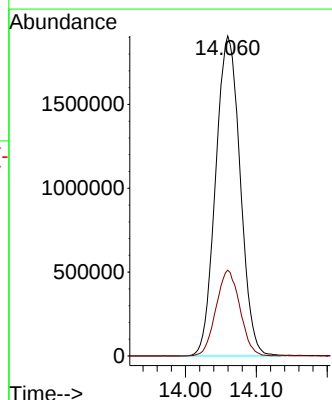
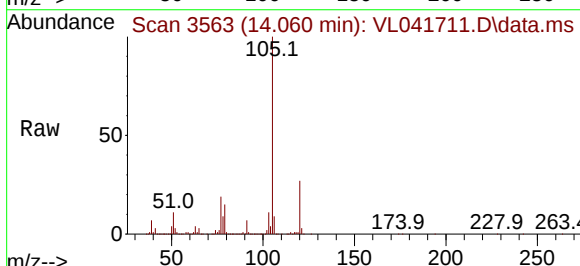
Acq: 21 Nov 2024 8:50

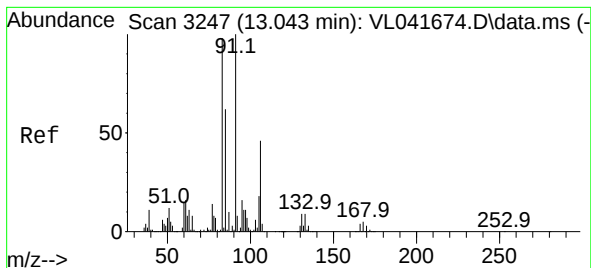
Tgt Ion:105 Resp: 4585032

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

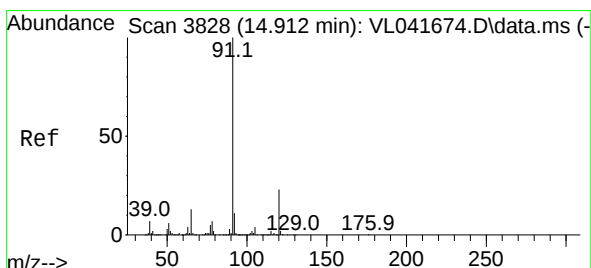
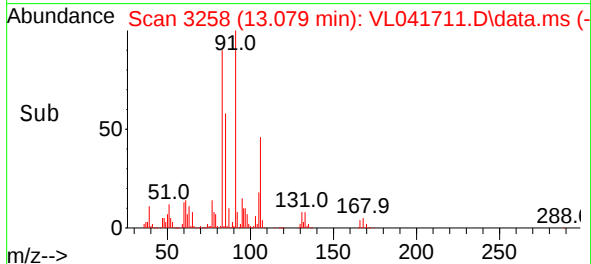
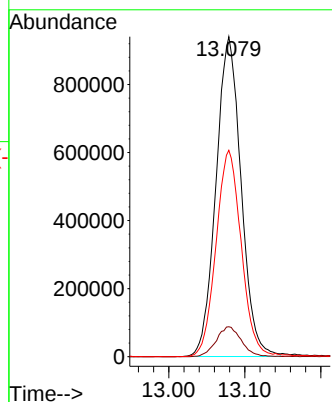
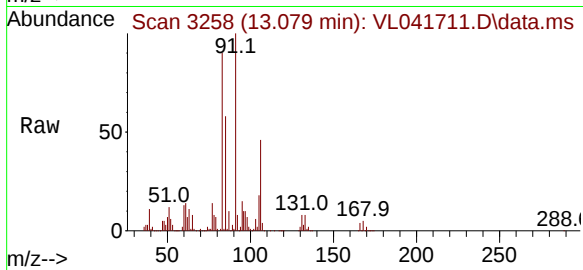




#63
1,1,2,2-Tetrachloroethane
Concen: 8.443 ppbv
RT: 13.079 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

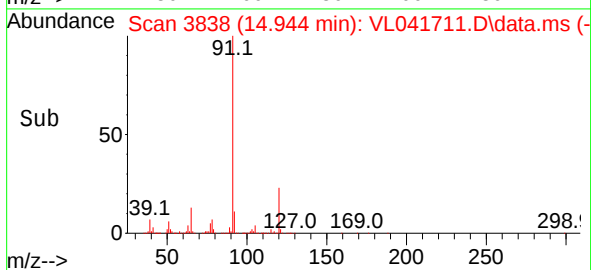
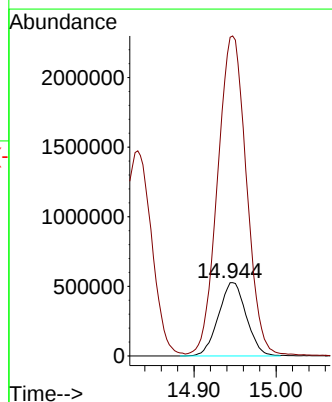
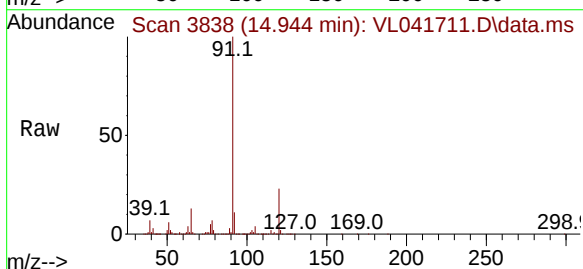
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

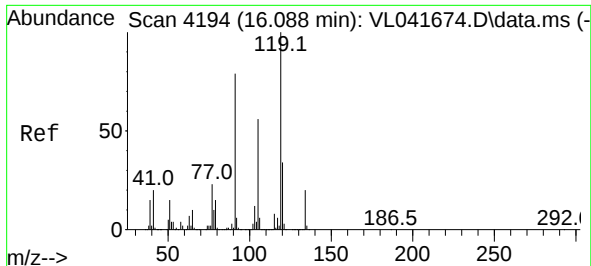
Tgt Ion: 83 Resp: 2155854
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.3
85 65.4 32.6 98.0



#64
n-propylbenzene
Concen: 8.858 ppbv
RT: 14.944 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion:120 Resp: 1243110
Ion Ratio Lower Upper
120 100
91 454.7 362.4 543.6





#65

tert-Butylbenzene

Concen: 8.493 ppbv

RT: 16.117 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

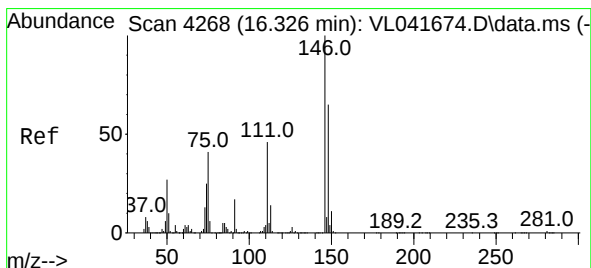
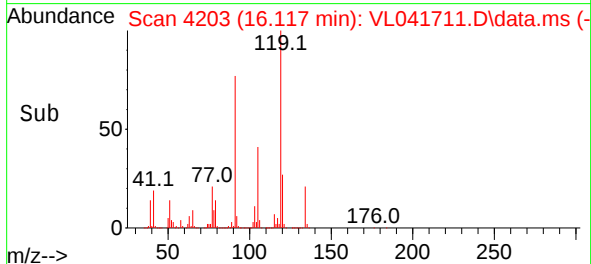
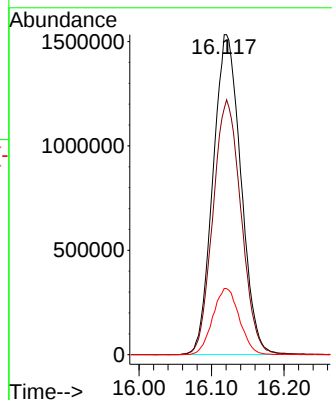
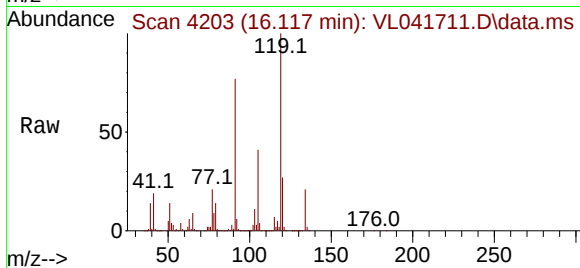
Tgt Ion:119 Resp: 4092301

Ion Ratio Lower Upper

119 100

91 80.5 64.3 96.5

134 19.8 15.8 23.8



#66

Benzyl Chloride

Concen: 9.723 ppbv

RT: 16.359 min Scan# 4278

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

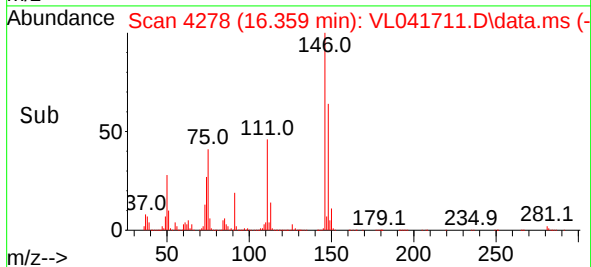
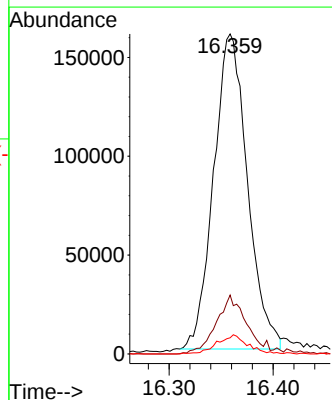
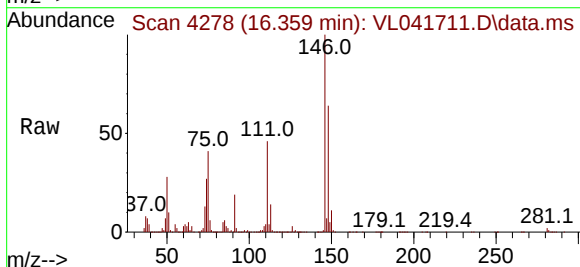
Tgt Ion: 91 Resp: 360391

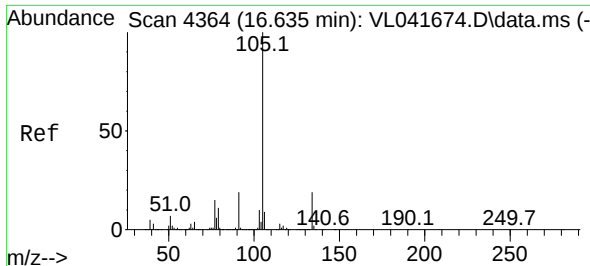
Ion Ratio Lower Upper

91 100

126 17.8 13.8 20.6

128 5.6 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.494 ppbv

RT: 16.667 min Scan# 4374

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

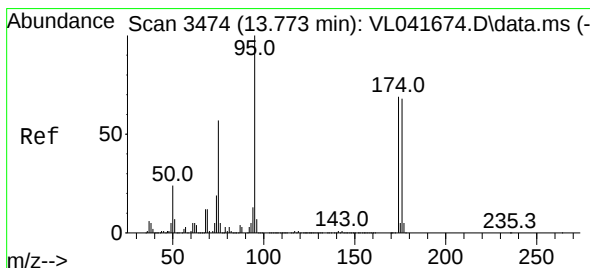
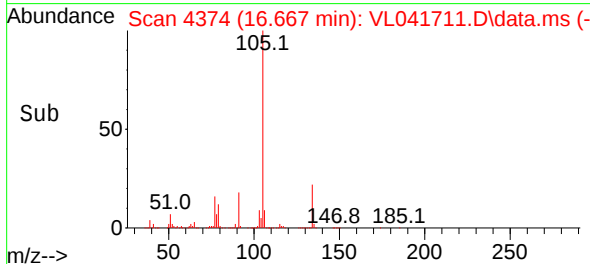
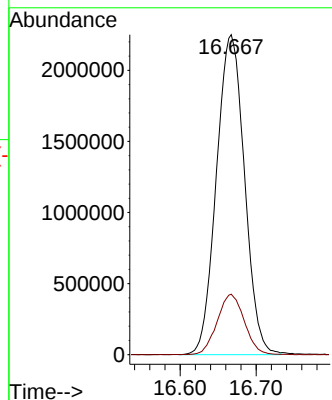
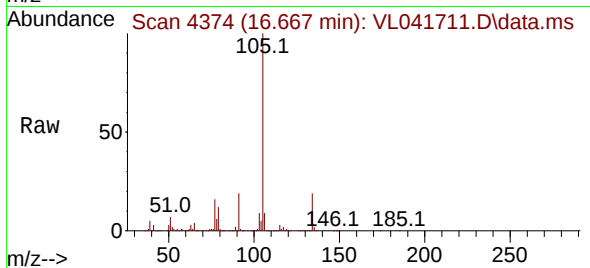
VSTDCCC010

Tgt Ion:105 Resp: 5768247

Ion Ratio Lower Upper

105 100

134 18.3 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.262 ppbv

RT: 13.806 min Scan# 3484

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

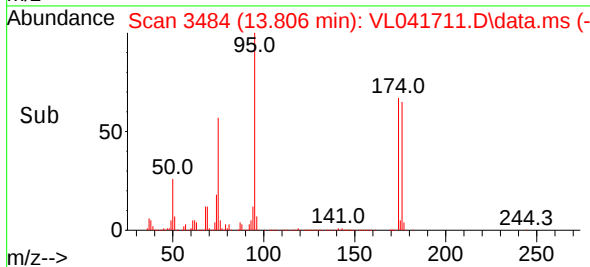
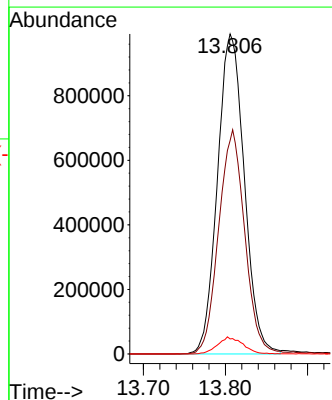
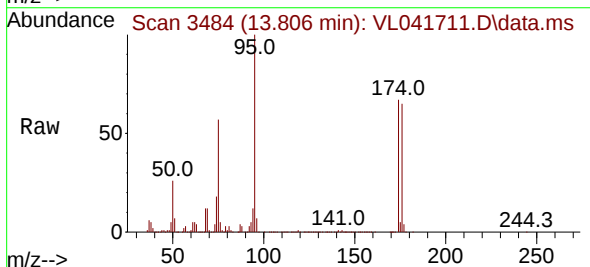
Tgt Ion: 95 Resp: 2257188

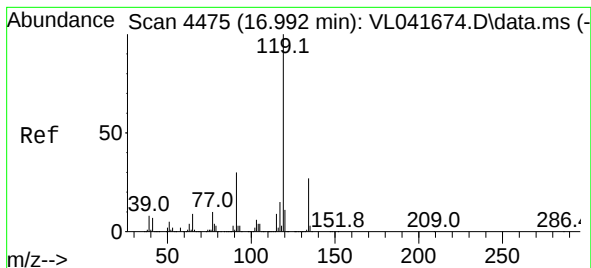
Ion Ratio Lower Upper

95 100

174 68.7 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 8.766 ppbv

RT: 17.027 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

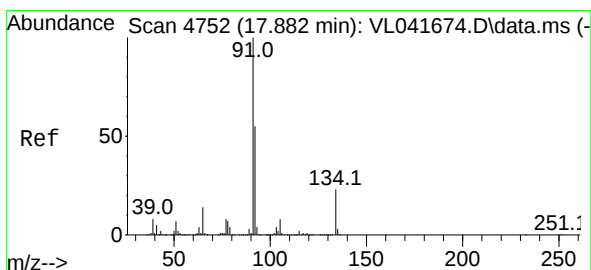
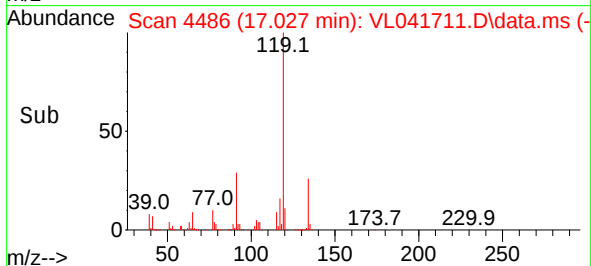
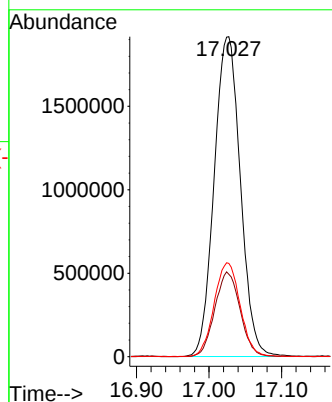
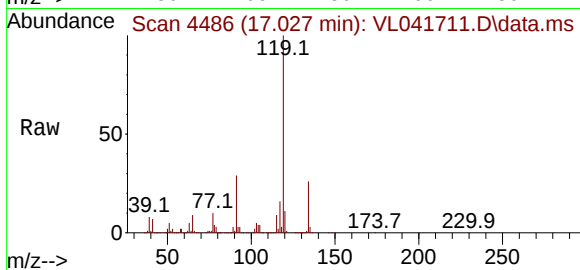
Tgt Ion:119 Resp: 4812497

Ion Ratio Lower Upper

119 100

134 25.7 20.8 31.2

91 28.9 23.2 34.8



#70

n-Butylbenzene

Concen: 8.833 ppbv

RT: 17.918 min Scan# 4763

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

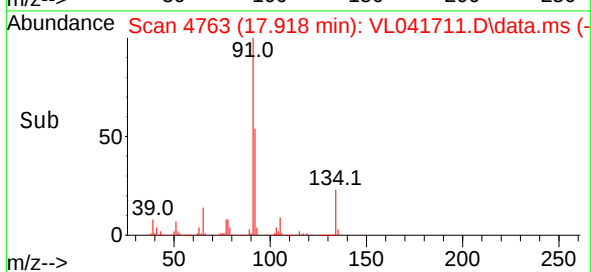
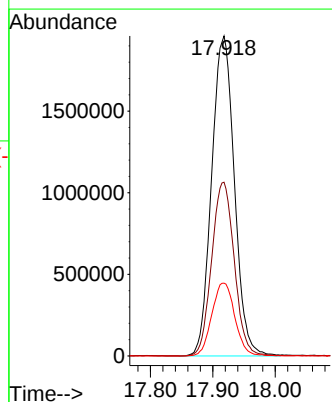
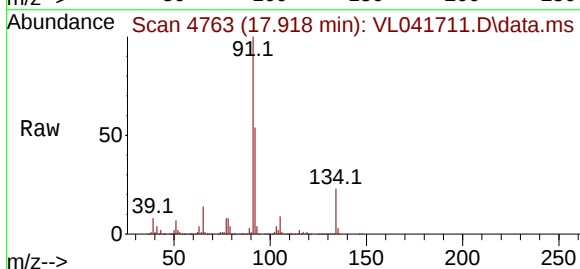
Tgt Ion: 91 Resp: 4962014

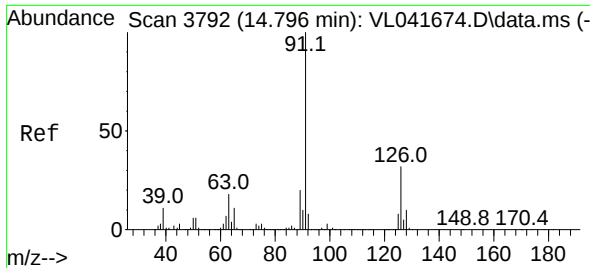
Ion Ratio Lower Upper

91 100

92 54.0 43.3 64.9

134 23.1 18.4 27.6

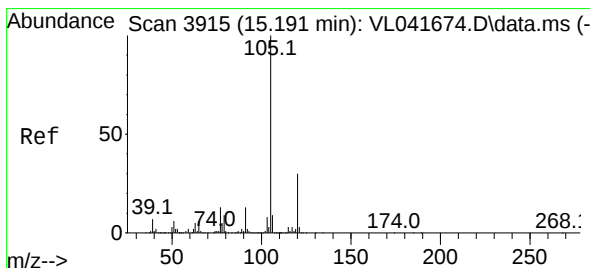
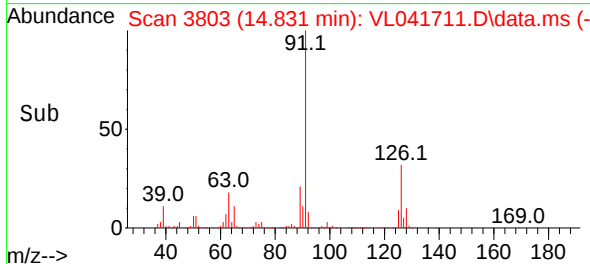
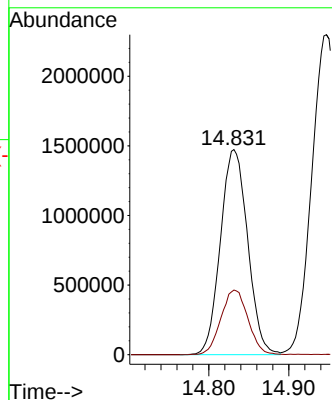
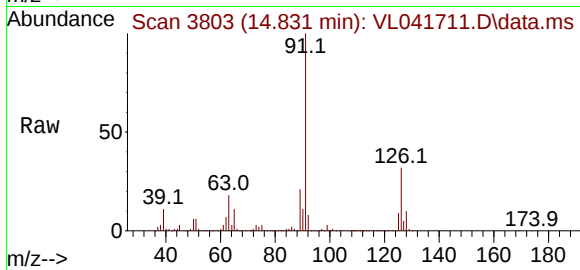




#71
2-Chlorotoluene
Concen: 8.992 ppbv
RT: 14.831 min Scan# 3803
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

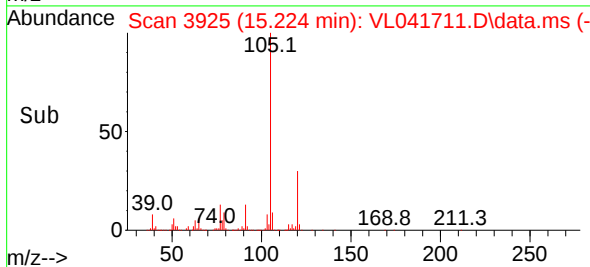
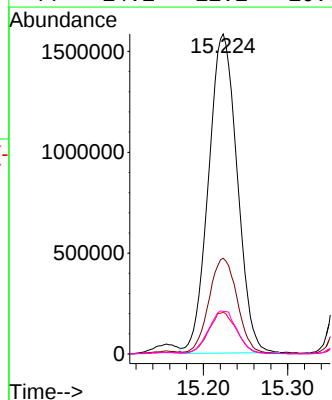
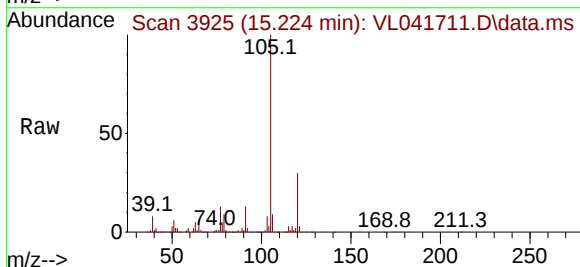
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

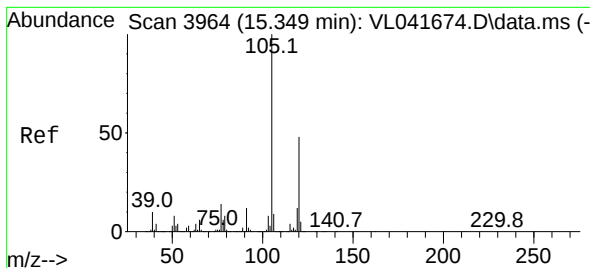
Tgt Ion: 91 Resp: 3484566
Ion Ratio Lower Upper
91 100
126 31.5 12.8 51.0



#72
4-Ethyltoluene
Concen: 9.258 ppbv
RT: 15.224 min Scan# 3925
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion:105 Resp: 3736233
Ion Ratio Lower Upper
105 100
120 30.9 25.0 37.4
91 12.9 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.987 ppbv

RT: 15.381 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

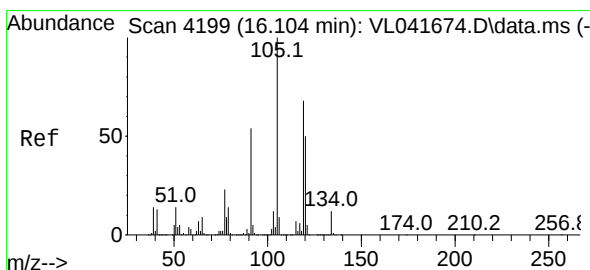
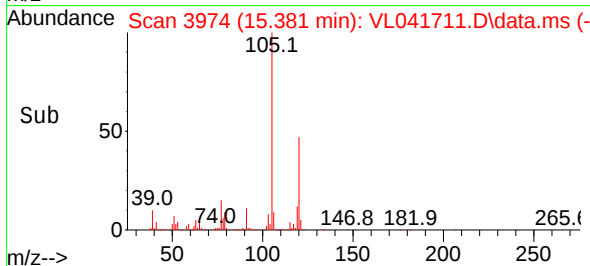
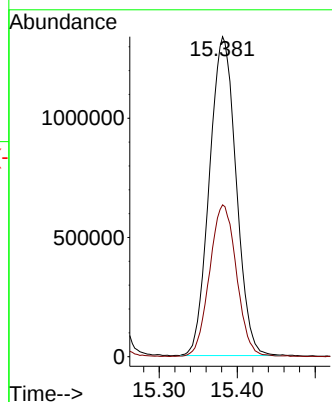
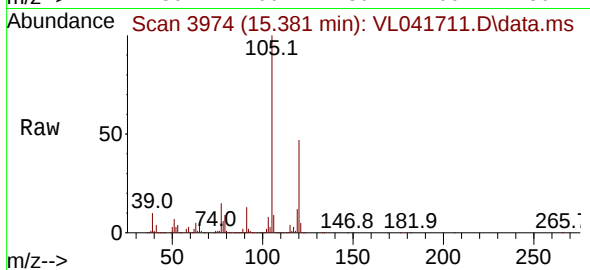
VSTDCCC010

Tgt Ion:105 Resp: 3182515

Ion Ratio Lower Upper

105 100

120 47.4 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 8.552 ppbv

RT: 16.140 min Scan# 4210

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Tgt Ion:105 Resp: 3517746

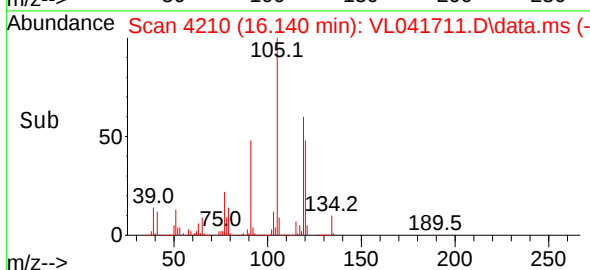
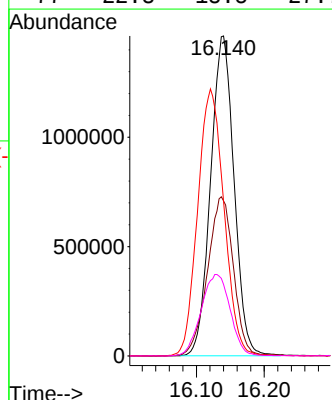
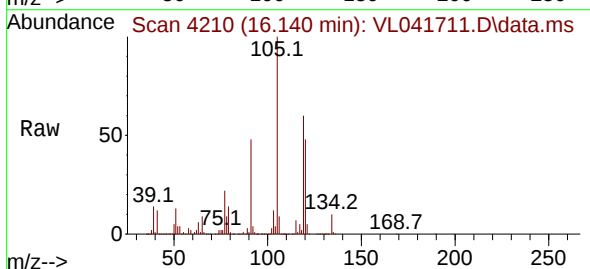
Ion Ratio Lower Upper

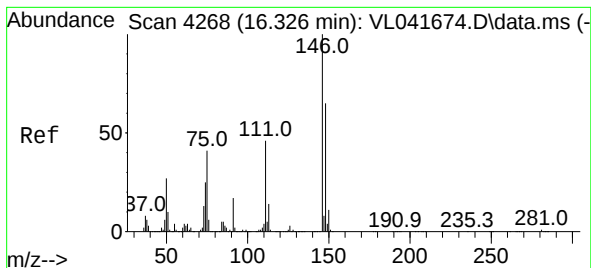
105 100

120 48.3 39.8 59.8

91 48.2 43.2 64.8

77 22.3 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 8.503 ppbv

RT: 16.362 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

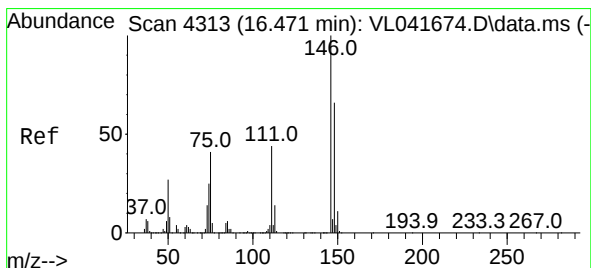
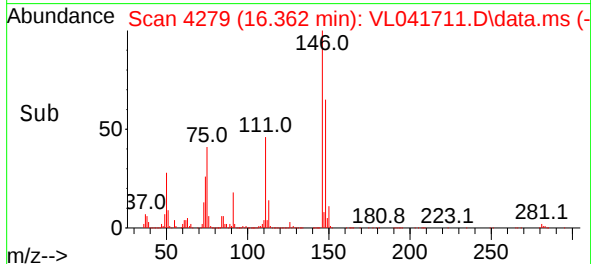
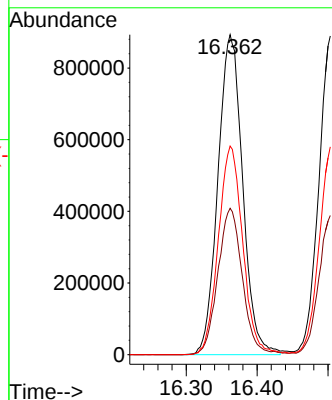
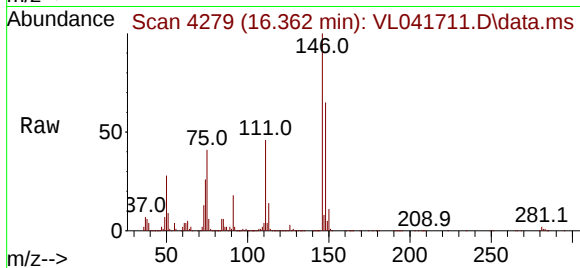
Tgt Ion:146 Resp: 2166163

Ion Ratio Lower Upper

146 100

111 45.4 22.8 68.3

148 64.6 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 8.524 ppbv

RT: 16.506 min Scan# 4324

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

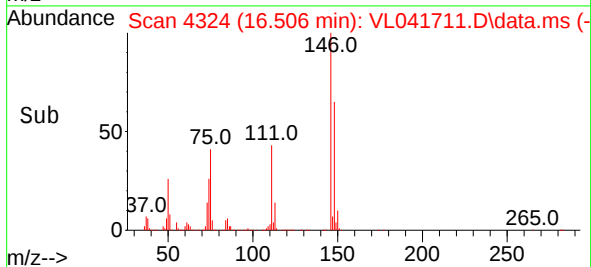
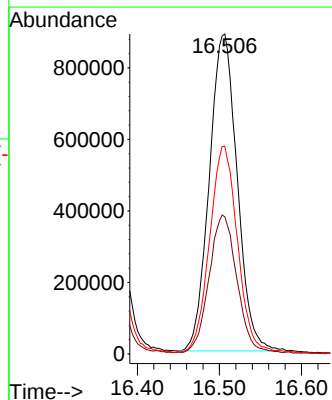
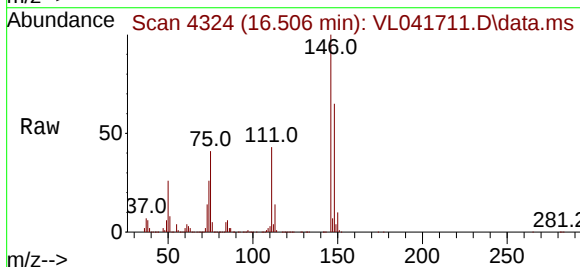
Tgt Ion:146 Resp: 2095111

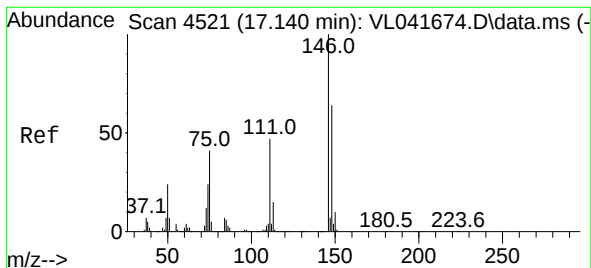
Ion Ratio Lower Upper

146 100

111 44.9 22.1 66.3

148 66.5 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 8.358 ppbv

RT: 17.175 min Scan# 4532

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

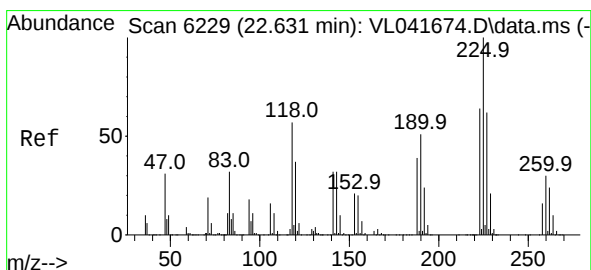
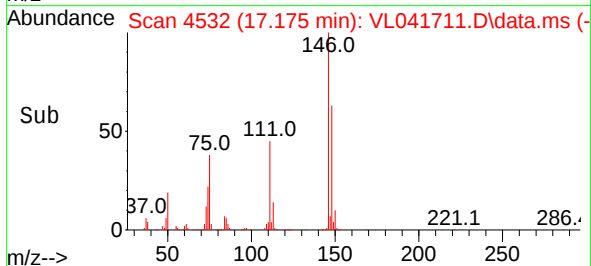
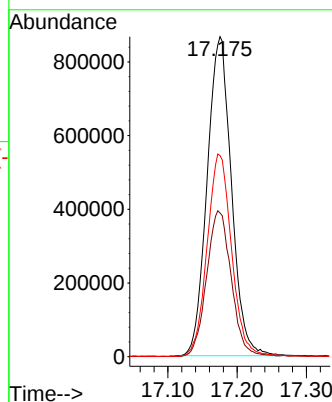
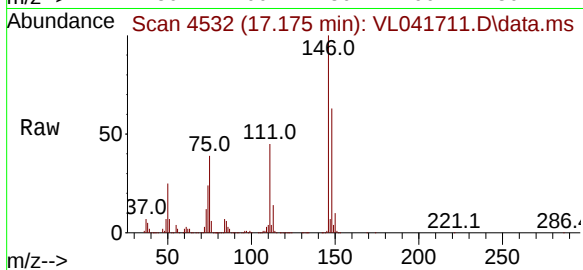
Tgt Ion:146 Resp: 2109445

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.3

148 64.2 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 3.716 ppbv

RT: 22.664 min Scan# 6239

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

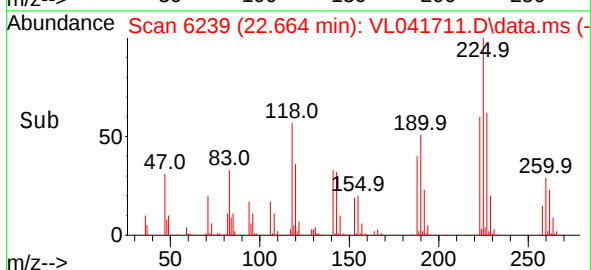
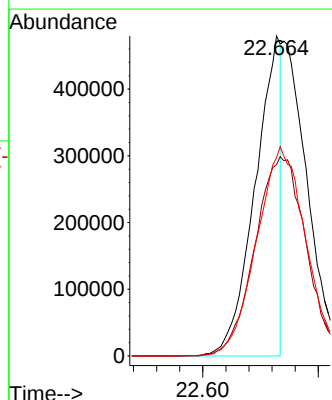
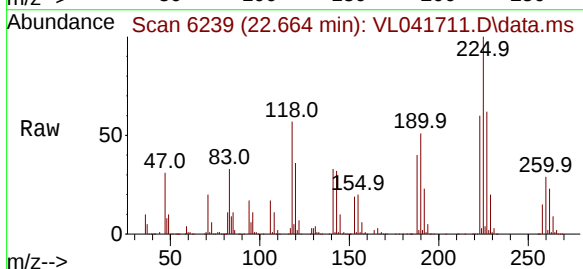
Tgt Ion:225 Resp: 741691

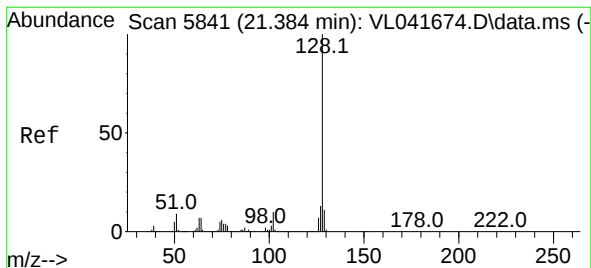
Ion Ratio Lower Upper

225 100

223 125.0 51.1 76.7#

227 125.7 51.3 76.9#





#79

Naphthalene

Concen: 11.628 ppbv

RT: 21.419 min Scan# 5852

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

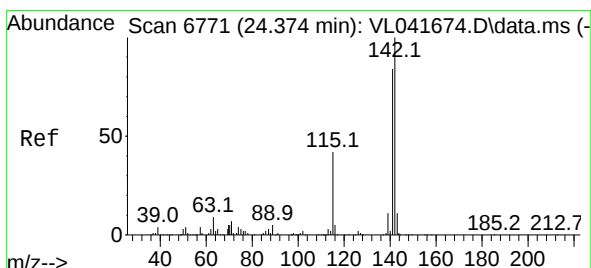
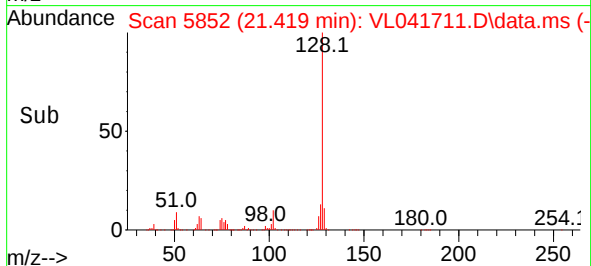
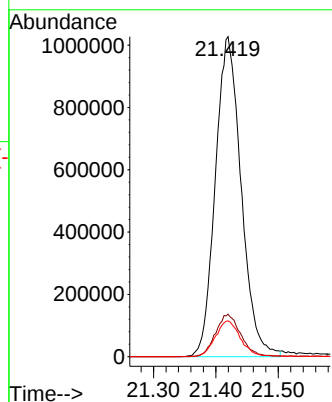
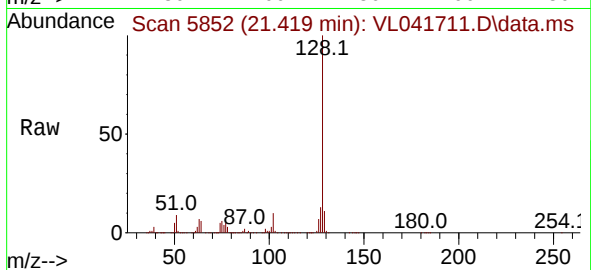
Tgt Ion:128 Resp: 2952462

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.2 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 11.396 ppbv

RT: 24.400 min Scan# 6779

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

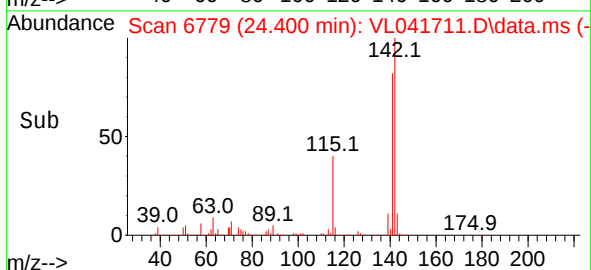
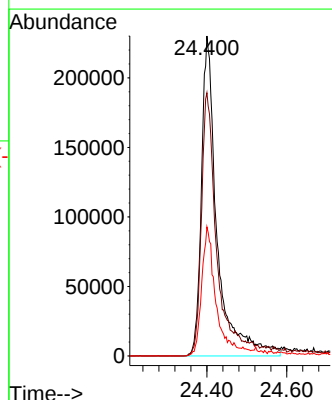
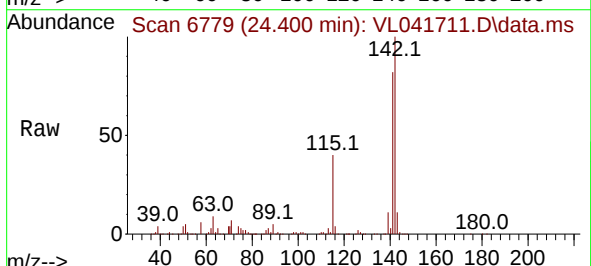
Tgt Ion:142 Resp: 630748

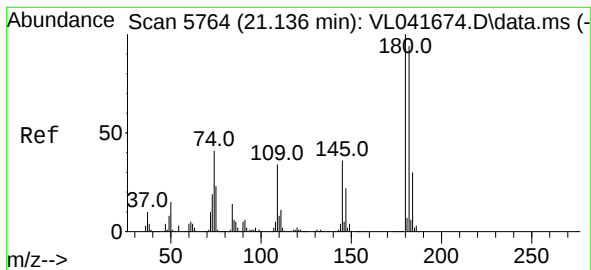
Ion Ratio Lower Upper

142 100

141 84.6 68.1 102.1

115 40.1 33.1 49.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.401 ppbv
 RT: 21.175 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1501117

Ion	Ratio	Lower	Upper
180	100		
182	96.9	78.2	117.2
184	30.6	25.0	37.4

