

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041234.D
 Acq On : 8 May 2024 8:34
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 09 02:43:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	892128	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2331059	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2780090	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1711049	8.152	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	1284232	10.642	ppbv	100
3) Chlorodifluoromethane	2.690	51	1388690	10.249	ppbv	99
4) Chloromethane	2.832	50	525453	9.883	ppbv	98
5) Vinyl Chloride	2.938	62	547727	10.255	ppbv	96
6) Bromomethane	3.137	94	200809	10.305	ppbv	92
7) Chloroethane	3.214	64	187651	9.951	ppbv	100
8) Dichlorotetrafluoroethane	2.874	85	1287839	10.311	ppbv	98
9) Propene	2.710	41	487253	9.189	ppbv	97
10) Heptane	7.600	43	1239500	9.648	ppbv	99
11) Trichlorofluoromethane	3.581	101	1322389	10.782	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.083	101	941162	10.377	ppbv	99
13) Ethanol	3.256	45	129704	10.912	ppbv	100
14) Bromoethene	3.385	108	383871	10.256	ppbv	99
15) Acetone	3.485	43	988325	9.387	ppbv	99
16) 1,3-Butadiene	3.002	39	547945	10.310	ppbv	97
17) tert-Butyl alcohol	3.896	59	1016151	8.947	ppbv	99
18) 1,1-Dichloroethene	3.896	96	420983	10.411	ppbv	96
19) Isopropyl Alcohol	3.591	45	706553	10.227	ppbv #	44
20) Methylene Chloride	3.951	84	345201	9.428	ppbv	93
21) Allyl Chloride	4.015	41	674160	9.820	ppbv	96
22) trans-1,2-Dichloroethene	4.462	96	442366	10.519	ppbv	99
23) Vinyl Acetate	4.645	43	1166827	10.064	ppbv #	98
24) 1,1-Dichloroethane	4.584	63	925235	10.263	ppbv	99
25) Ethyl Acetate	5.221	43	2028041	9.650	ppbv	100
26) Hexane	5.230	57	897445	9.569	ppbv	98
27) Carbon Disulfide	4.140	76	1120702	10.095	ppbv	95
28) Methyl tert-Butyl Ether	4.603	73	695778	9.318	ppbv	99
29) Chloroform	5.295	83	1380070	10.667	ppbv	100
30) Cyclohexane	6.623	84	753642	10.152	ppbv	98
31) cis-1,2-Dichloroethene	5.095	61	908050	10.343	ppbv	96
32) 1,1,1-Trichloroethane	6.021	97	1379921	10.690	ppbv	99
34) 2-Butanone	4.803	43	1063032	8.960	ppbv	99
35) Carbon Tetrachloride	6.513	117	1390170	10.626	ppbv	98
36) Benzene	6.391	78	1909548	9.762	ppbv	99
37) 1,2-Dichloroethane	5.828	62	1087496	10.655	ppbv	99
38) Trichloroethene	7.311	130	713505	9.788	ppbv	96
39) 1,2-Dichloropropane	7.092	63	727162	9.645	ppbv	96
40) 1,4-Dioxane	7.301	88	317740	11.797	ppbv	73
41) Tetrahydrofuran	5.578	42	795784	9.265	ppbv	99
42) Bromodichloromethane	7.269	83	1551743	10.601	ppbv	99
43) Methyl Methacrylate	7.494	69	779509	9.852	ppbv	100
44) 2,2,4-Trimethylpentane	7.346	57	3226019	9.565	ppbv	99
45) t-1,3-Dichloropropene	8.732	75	591010	10.308	ppbv	98

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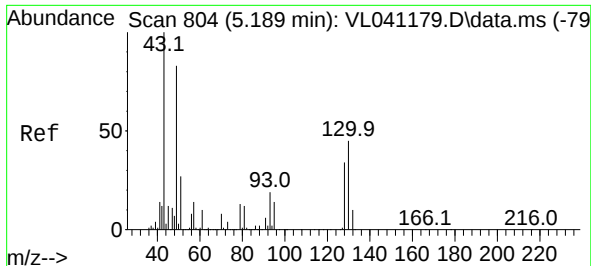
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	700672	9.982	ppbv	99
47) 1,1,2-Trichloroethane	8.922	97	778990	10.324	ppbv	99
48) Dibromochloromethane	9.732	129	1310654	10.901	ppbv	100
49) Bromoform	12.429	173	1089577	10.653	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	2019837	9.486	ppbv	100
51) 2-Hexanone	9.568	43	1460515	9.247	ppbv #	100
52) Tetrachloroethene	10.635	164	675089	9.819	ppbv	95
53) Toluene	9.240	91	2235134	9.854	ppbv	100
54) 1,2-Dibromoethane	10.031	107	1079142	10.559	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.529	131	947924	8.409	ppbv	99
57) Chlorobenzene	11.548	112	1662775	8.167	ppbv	99
58) Ethyl Benzene	12.111	91	2996714	7.861	ppbv	98
59) m/p-Xylene	12.391	91	2846961	8.886	ppbv #	48
60) o-Xylene	13.079	91	2383720	7.937	ppbv	100
61) Styrene	12.918	104	1285848	8.105	ppbv	99
62) Isopropylbenzene	14.050	105	3551524	7.906	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.066	83	1667294	8.145	ppbv	100
64) n-propylbenzene	14.934	120	936020	8.352	ppbv	96
65) tert-Butylbenzene	16.108	119	3109712	7.729	ppbv	100
66) Benzyl Chloride	16.349	91	251540	5.523	ppbv	100
67) sec-Butylbenzene	16.651	105	4432478	7.826	ppbv	98
69) p-Isopropyltoluene	17.015	119	3685030	7.895	ppbv	99
70) n-Butylbenzene	17.905	91	3858231	7.915	ppbv	99
71) 2-Chlorotoluene	14.822	91	2731115	7.985	ppbv	98
72) 4-Ethyltoluene	15.211	105	2852375	8.385	ppbv	99
73) 1,3,5-Trimethylbenzene	15.371	105	2478321	8.052	ppbv	99
74) 1,2,4-Trimethylbenzene	16.127	105	2701566	8.037	ppbv	97
75) 1,3-Dichlorobenzene	16.349	146	1588354	8.240	ppbv	99
76) 1,4-Dichlorobenzene	16.494	146	1578449	8.515	ppbv	100
77) 1,2-Dichlorobenzene	17.162	146	1573959	8.169	ppbv	98
78) Hexachloro-1,3-Butadiene	22.657	225	1118686	6.533	ppbv	99
79) Naphthalene	21.403	128	2731332	8.533	ppbv	97
80) Naphthalene,2-methyl-	24.390	142	655734	5.092	ppbv	99
81) 1,2,4-Trichlorobenzene	21.165	180	1322440	7.824	ppbv	99

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

Quant Time: May 09 02:43:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL042924AIR.M
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QLast Update : Thu May 09 02:43:03 2024
Response via : Initial Calibration

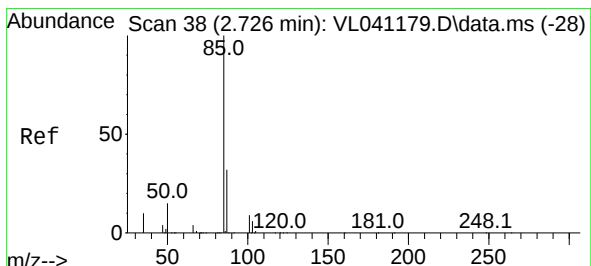
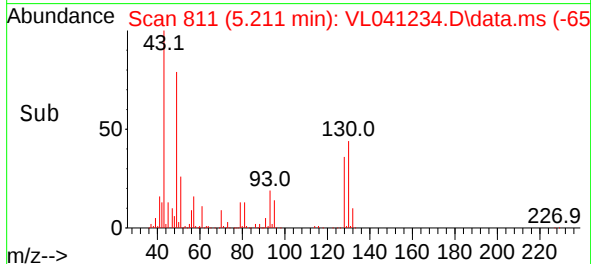
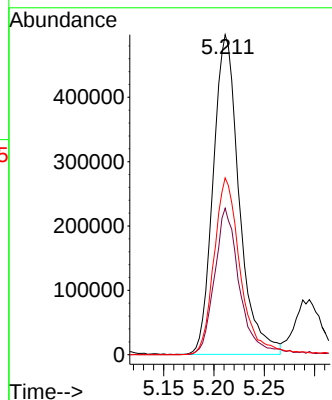
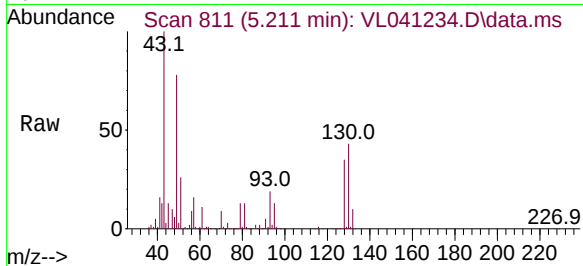




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL041234.D
 Acq: 8 May 2024 8:34

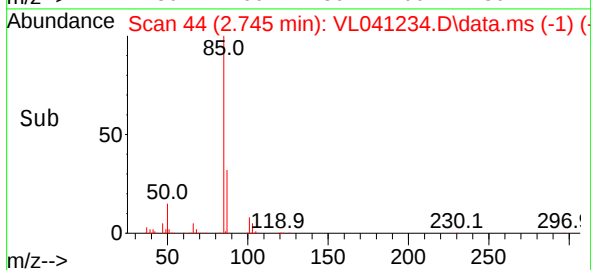
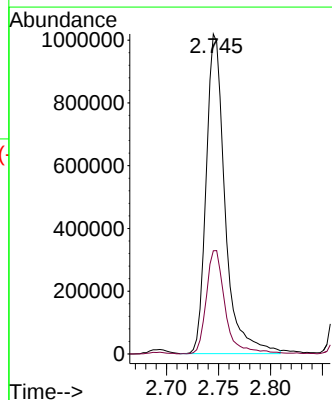
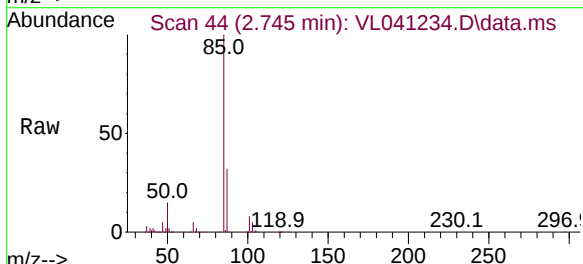
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

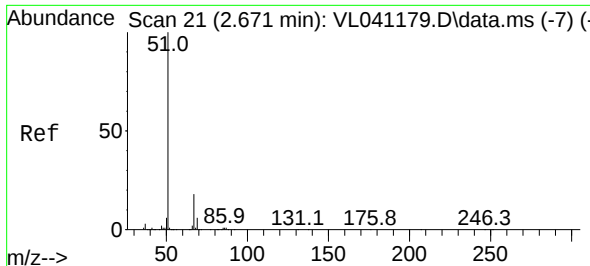
Tgt Ion: 49 Resp: 892128
 Ion Ratio Lower Upper
 49 100
 128 45.2 21.5 64.5
 130 57.2 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 10.642 ppbv
 RT: 2.745 min Scan# 44
 Delta R.T. 0.000 min
 Lab File: VL041234.D
 Acq: 8 May 2024 8:34

Tgt Ion: 85 Resp: 1284232
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.7 38.5

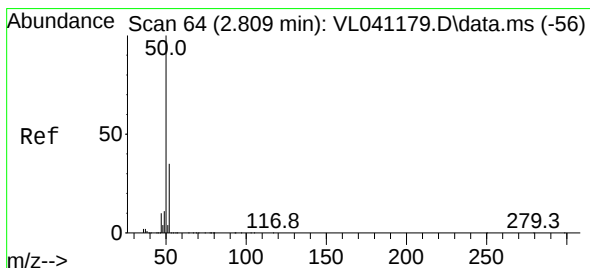
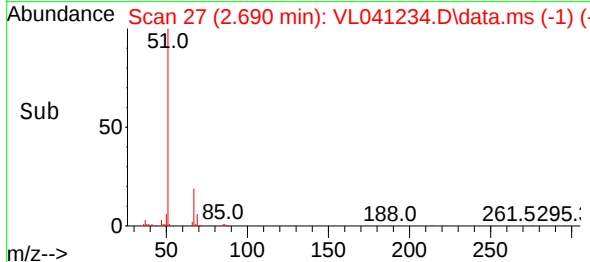
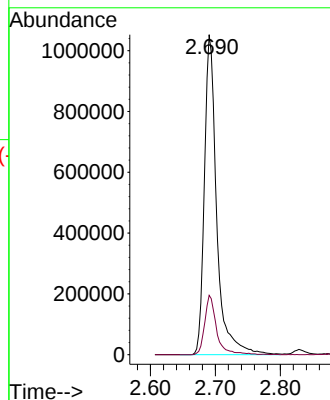
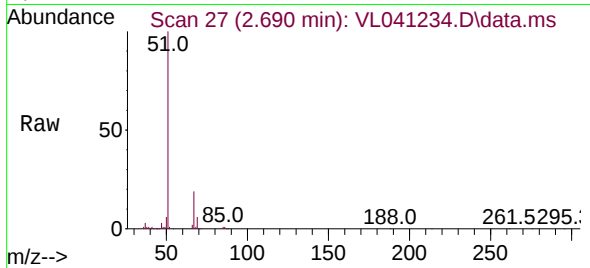




#3
Chlorodifluoromethane
Concen: 10.249 ppbv
RT: 2.690 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

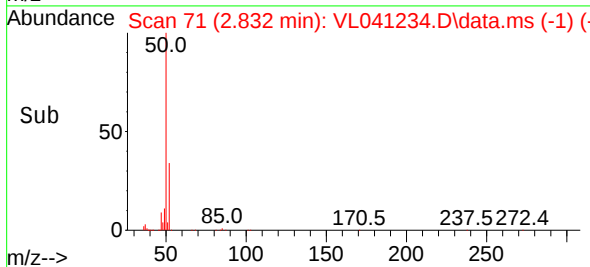
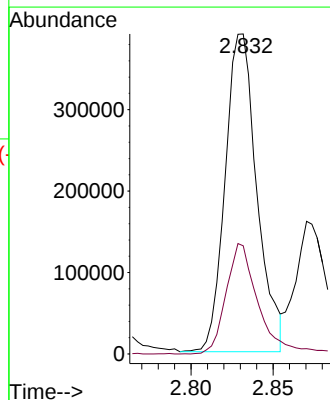
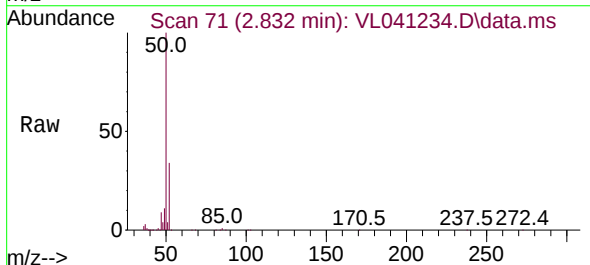
Instrument :
MSVOA_L
ClientSampleId :
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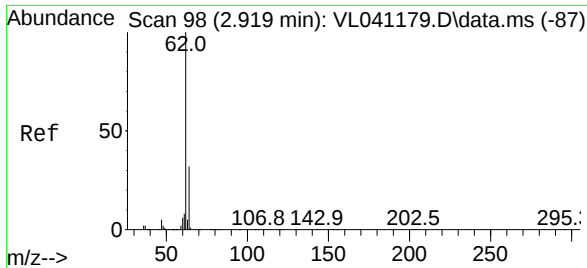
Tgt Ion: 51 Resp: 1388690
Ion Ratio Lower Upper
51 100
67 18.1 14.0 21.0



#4
Chloromethane
Concen: 9.883 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

Tgt Ion: 50 Resp: 525453
Ion Ratio Lower Upper
50 100
52 34.0 28.3 42.5

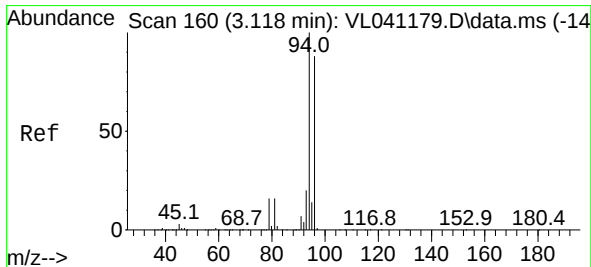
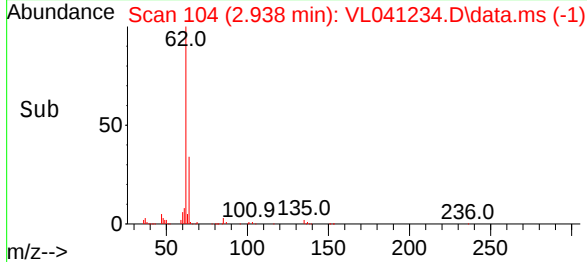
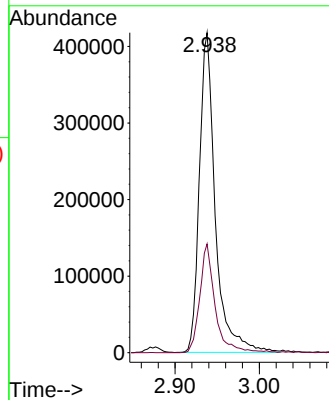
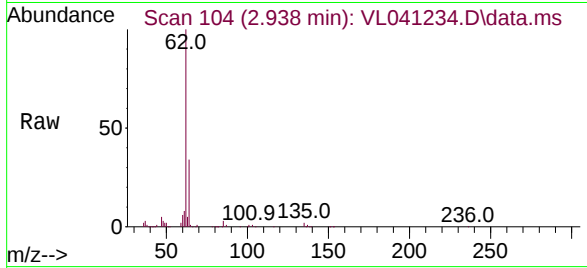




#5
 Vinyl Chloride
 Concen: 10.255 ppbv
 RT: 2.938 min Scan# 104
 Delta R.T. 0.000 min
 Lab File: VL041234.D
 Acq: 8 May 2024 8:34

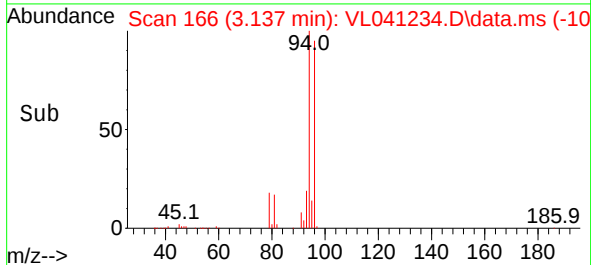
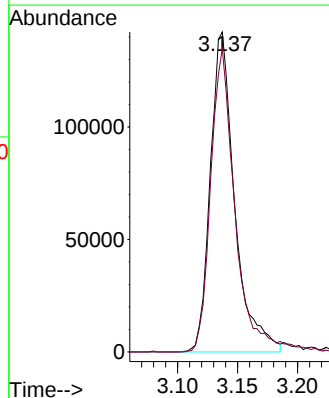
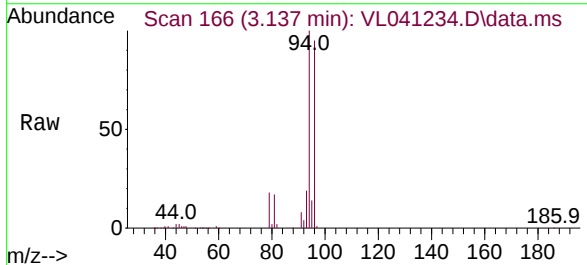
Instrument :
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 ClientSampleId :
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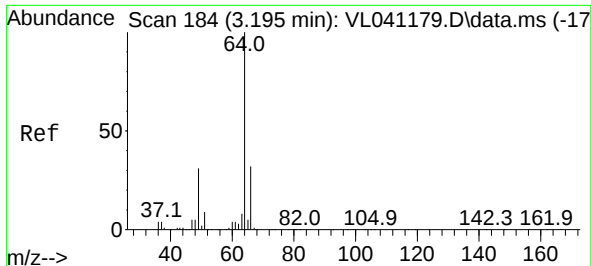
Tgt Ion: 62 Resp: 547727
 Ion Ratio Lower Upper
 62 100
 64 34.1 25.7 38.5



#6
 Bromomethane
 Concen: 10.305 ppbv
 RT: 3.137 min Scan# 166
 Delta R.T. 0.000 min
 Lab File: VL041234.D
 Acq: 8 May 2024 8:34

Tgt Ion: 94 Resp: 200809
 Ion Ratio Lower Upper
 94 100
 96 94.8 70.1 105.1

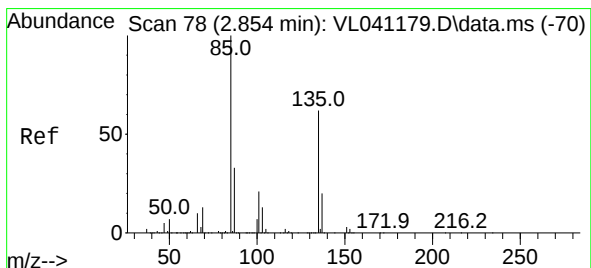
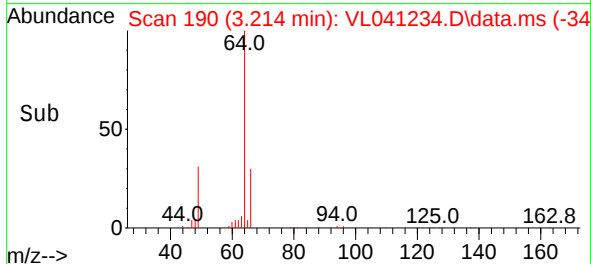
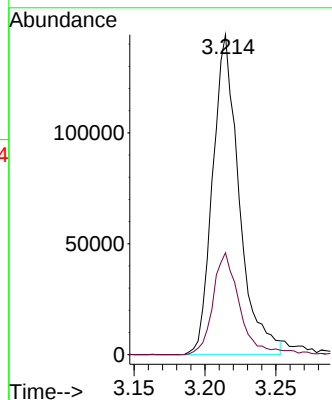
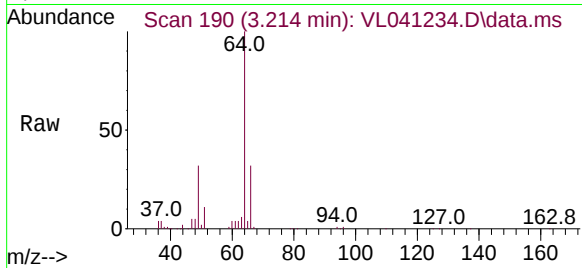




#7
Chloroethane
Concen: 9.951 ppbv
RT: 3.214 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

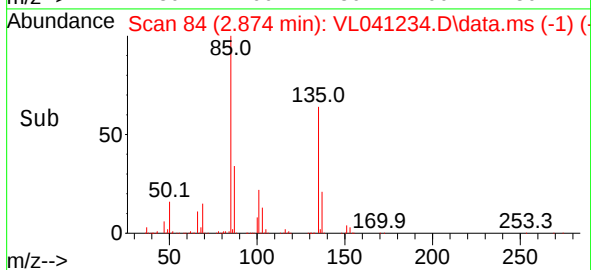
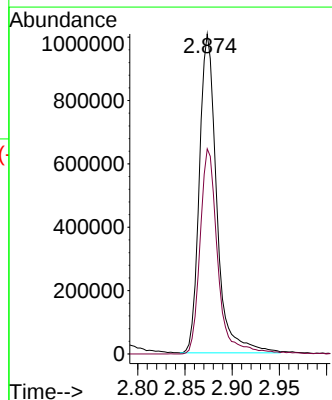
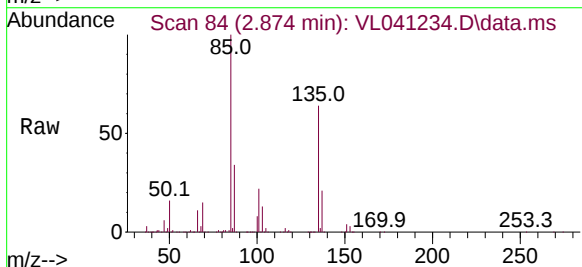
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ClientSampleId :
VSTDCCC010

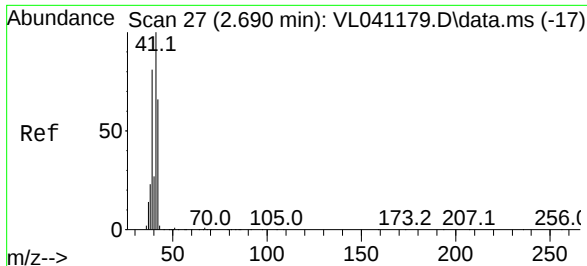
Tgt Ion: 64 Resp: 187651
Ion Ratio Lower Upper
64 100
66 31.9 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 10.311 ppbv
RT: 2.874 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

Tgt Ion: 85 Resp: 1287839
Ion Ratio Lower Upper
85 100
135 65.8 51.5 77.3





#9

Propene

Concen: 9.189 ppbv

RT: 2.710 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_1

ClientSampleId :

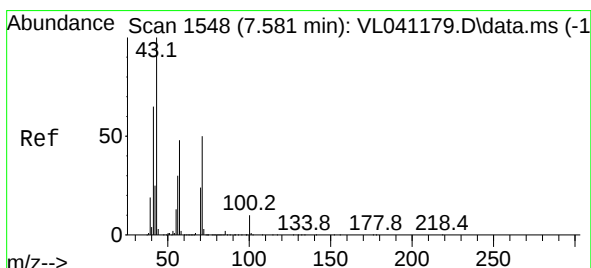
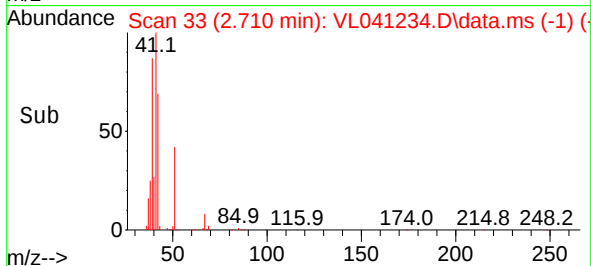
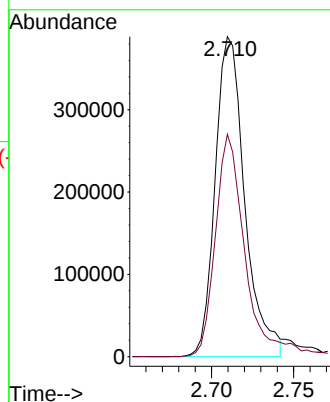
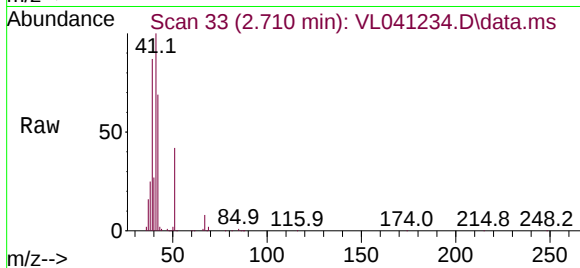
VSTDCCC010

Tgt Ion: 41 Resp: 487253

Ion Ratio Lower Upper

41 100

42 71.4 55.3 82.9



#10

Heptane

Concen: 9.648 ppbv

RT: 7.600 min Scan# 1554

Delta R.T. 0.000 min

Lab File: VL041234.D

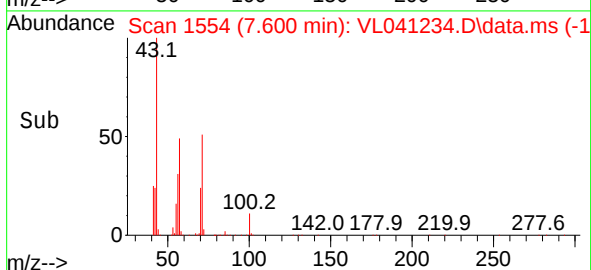
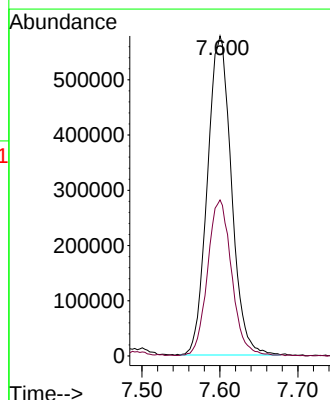
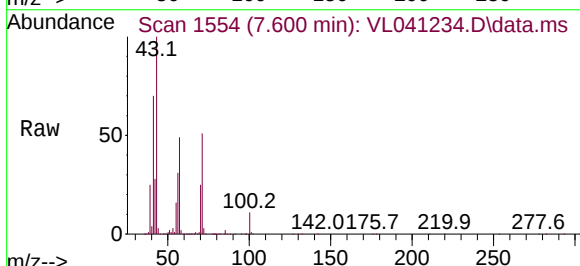
Acq: 8 May 2024 8:34

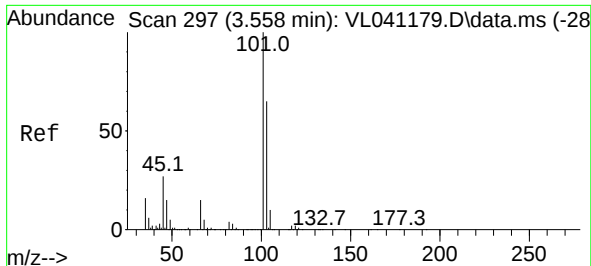
Tgt Ion: 43 Resp: 1239500

Ion Ratio Lower Upper

43 100

57 49.3 38.7 58.1

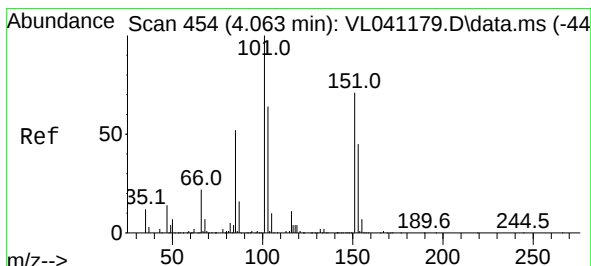
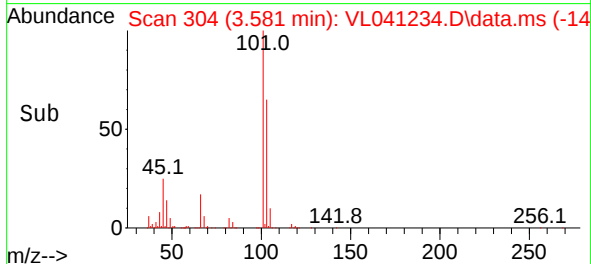
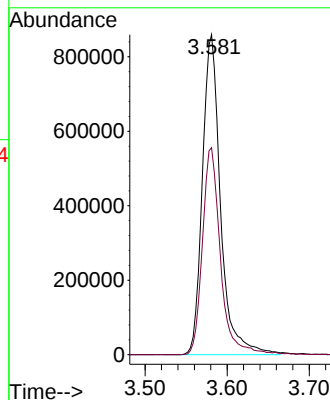
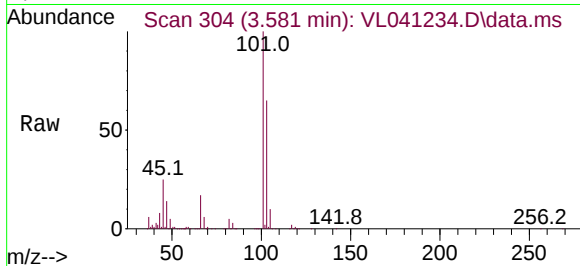




#11
 Trichlorofluoromethane
 Concen: 10.782 ppbv
 RT: 3.581 min Scan# 304
 Delta R.T. 0.000 min
 Lab File: VL041234.D
 Acq: 8 May 2024 8:34

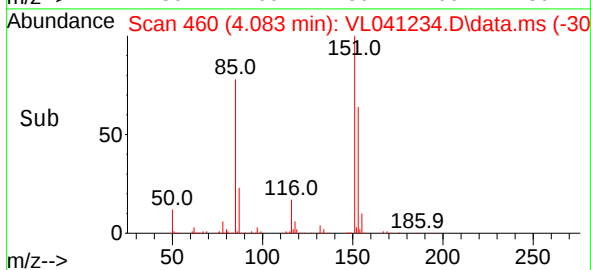
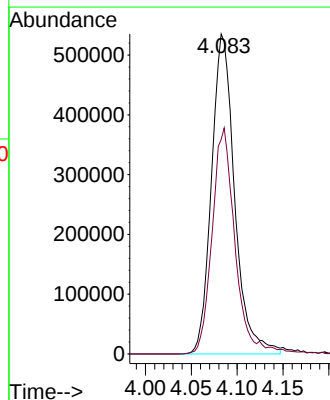
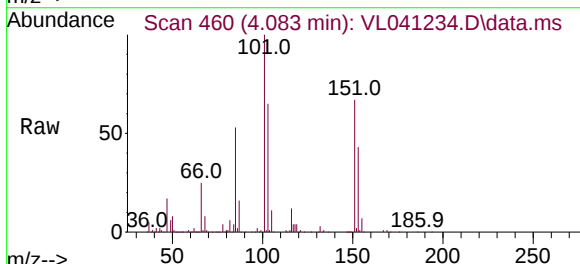
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

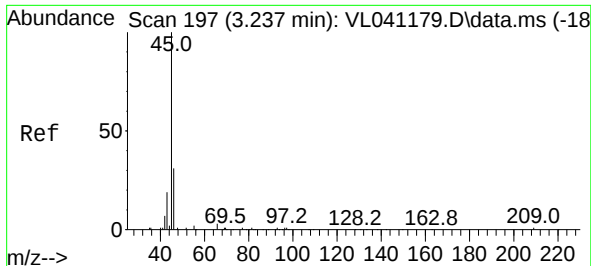
Tgt Ion:101 Resp: 1322389
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.377 ppbv
 RT: 4.083 min Scan# 460
 Delta R.T. 0.000 min
 Lab File: VL041234.D
 Acq: 8 May 2024 8:34

Tgt Ion:101 Resp: 941162
 Ion Ratio Lower Upper
 101 100
 151 70.4 56.8 85.2





#13

Ethanol

Concen: 10.912 ppbv

RT: 3.256 min Scan# 203

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

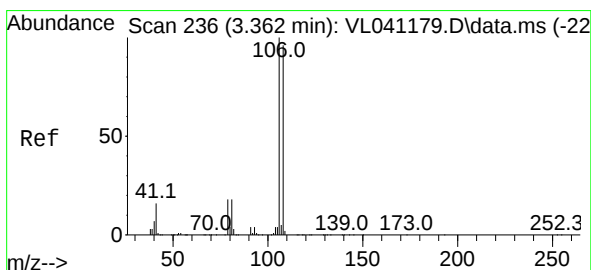
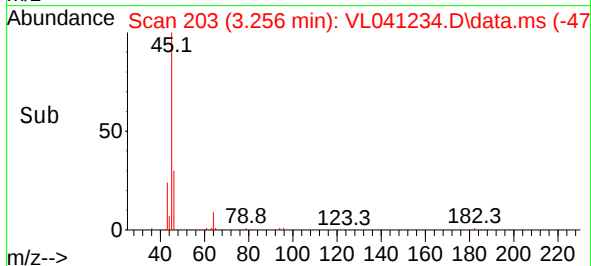
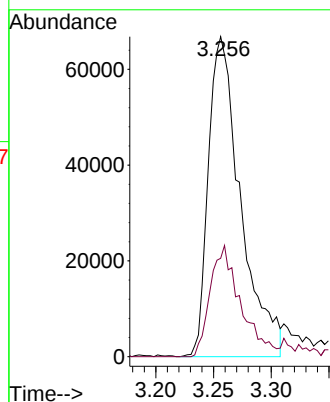
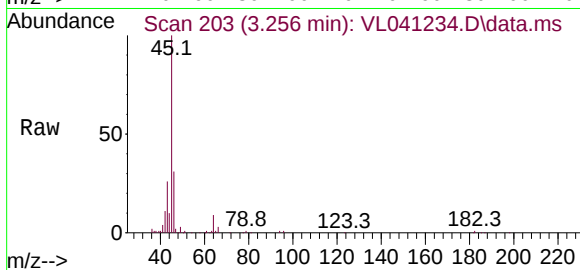
VSTDCCC010

Tgt Ion: 45 Resp: 129704

Ion Ratio Lower Upper

45 100

46 36.9 14.8 59.0



#14

Bromoethene

Concen: 10.256 ppbv

RT: 3.385 min Scan# 243

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

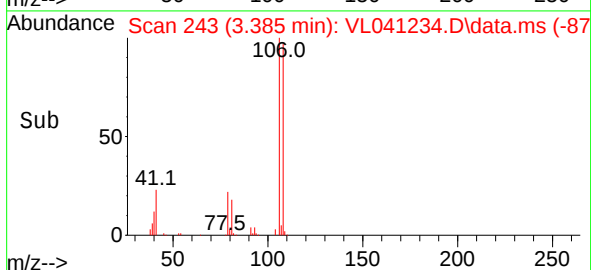
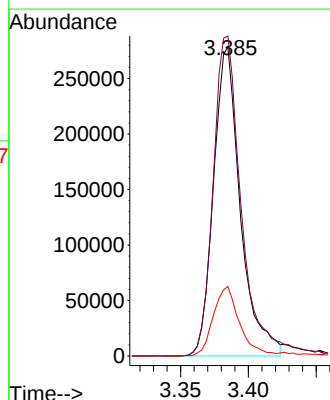
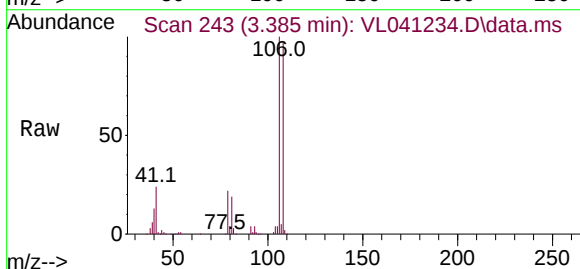
Tgt Ion:108 Resp: 383871

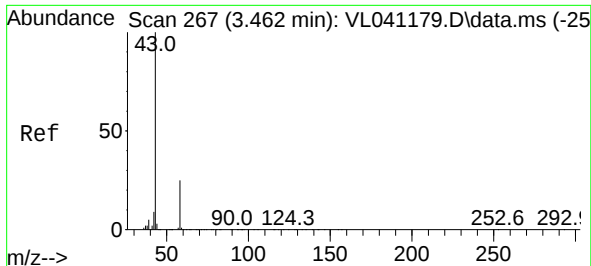
Ion Ratio Lower Upper

108 100

106 110.8 88.2 132.4

79 23.6 17.4 26.0





#15

Acetone

Concen: 9.387 ppbv

RT: 3.485 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

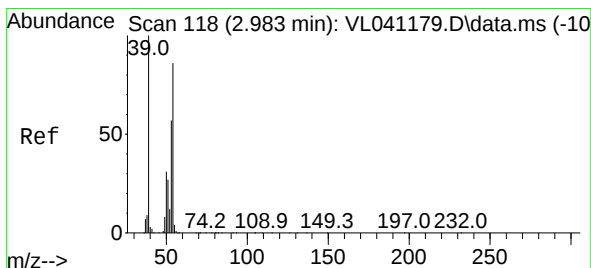
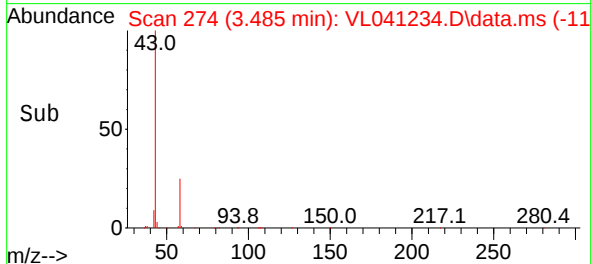
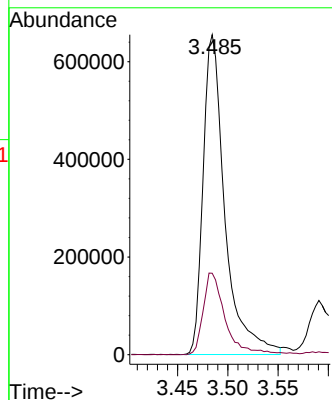
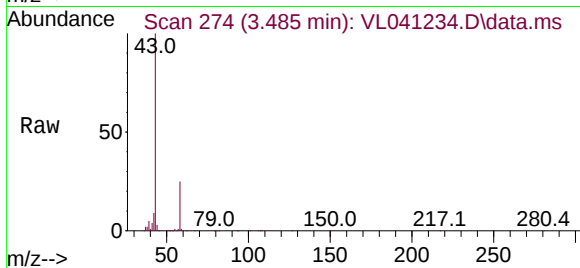
VSTDCCC010

Tgt Ion: 43 Resp: 988325

Ion Ratio Lower Upper

43 100

58 26.0 21.4 32.0



#16

1,3-Butadiene

Concen: 10.310 ppbv

RT: 3.002 min Scan# 124

Delta R.T. 0.000 min

Lab File: VL041234.D

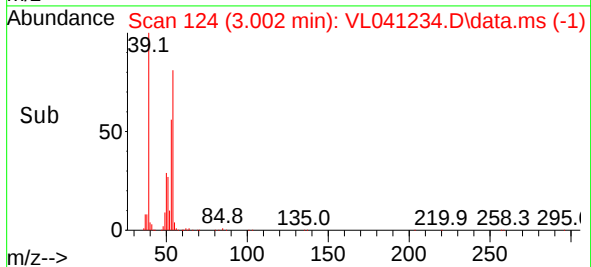
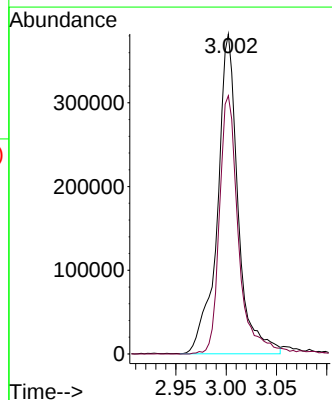
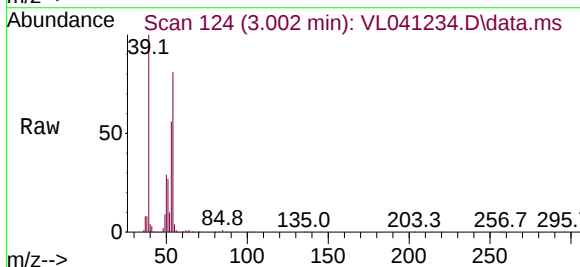
Acq: 8 May 2024 8:34

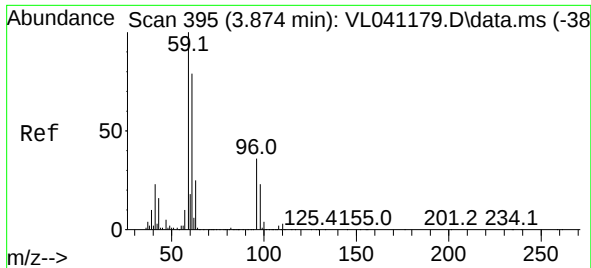
Tgt Ion: 39 Resp: 547945

Ion Ratio Lower Upper

39 100

54 75.6 62.2 93.4





#17

tert-Butyl alcohol

Concen: 8.947 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

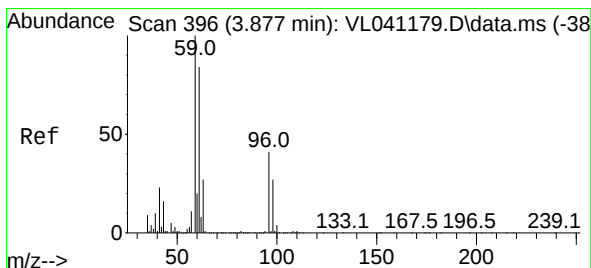
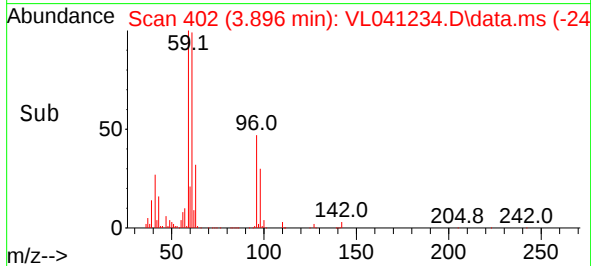
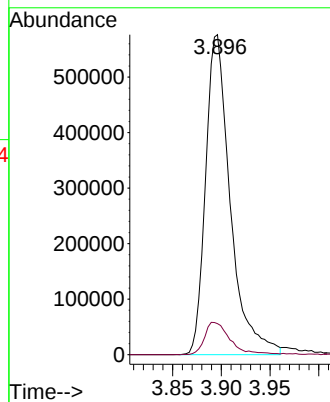
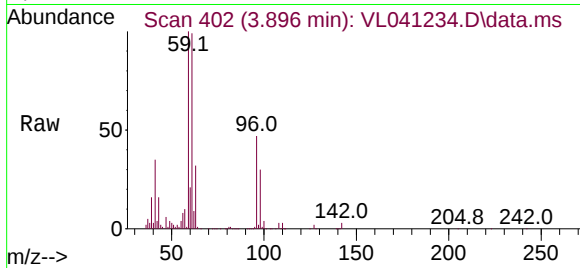
VSTDCCC010

Tgt Ion: 59 Resp: 1016151

Ion Ratio Lower Upper

59 100

57 10.8 8.4 12.6



#18

1,1-Dichloroethene

Concen: 10.411 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

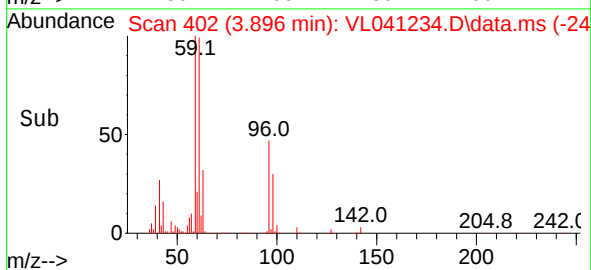
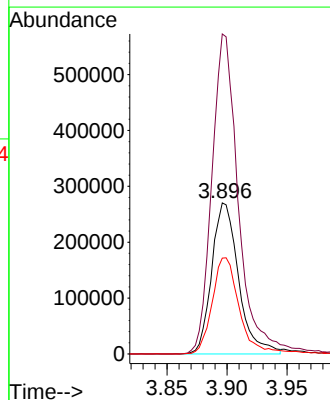
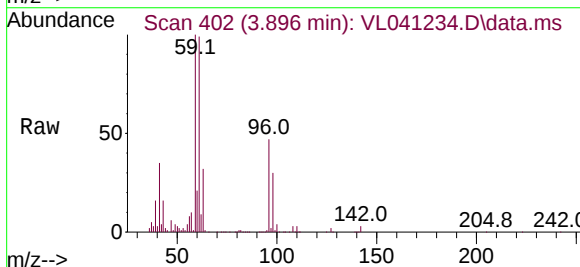
Tgt Ion: 96 Resp: 420983

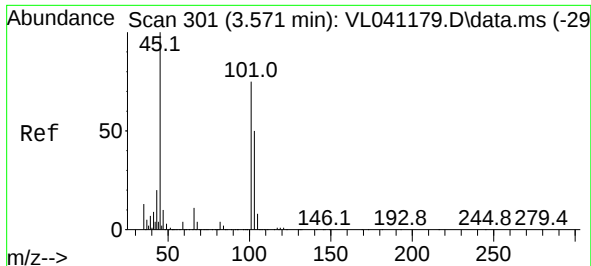
Ion Ratio Lower Upper

96 100

61 211.8 164.4 246.6

98 63.5 51.8 77.8





#19

Isopropyl Alcohol

Concen: 10.227 ppbv

RT: 3.591 min Scan# 301

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

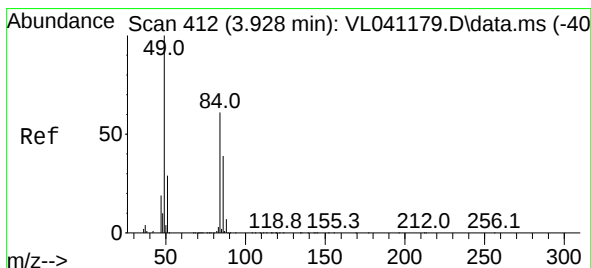
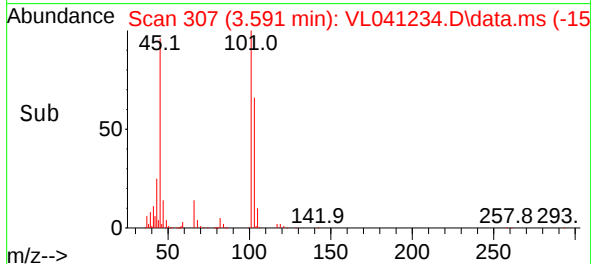
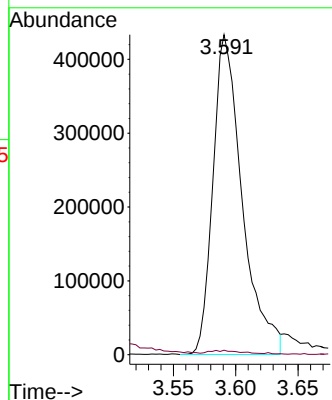
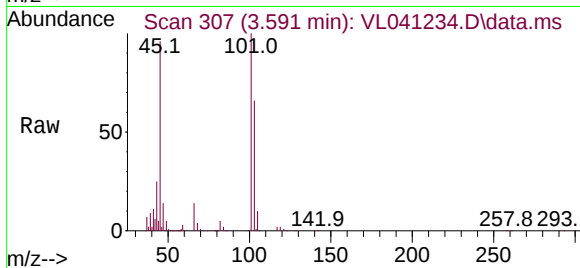
VSTDCCC010

Tgt Ion: 45 Resp: 706553

Ion Ratio Lower Upper

45 100

58 1.8 26.8 40.2#



#20

Methylene Chloride

Concen: 9.428 ppbv

RT: 3.951 min Scan# 419

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Tgt Ion: 84 Resp: 345201

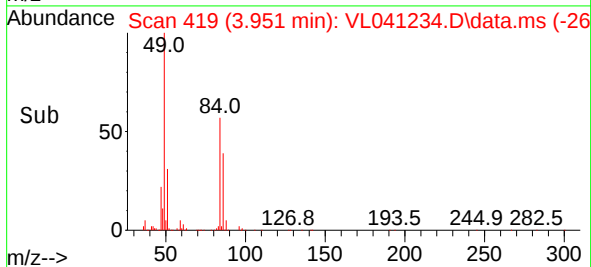
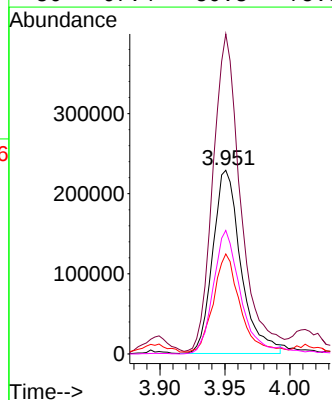
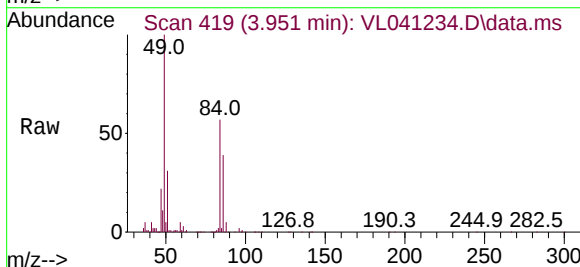
Ion Ratio Lower Upper

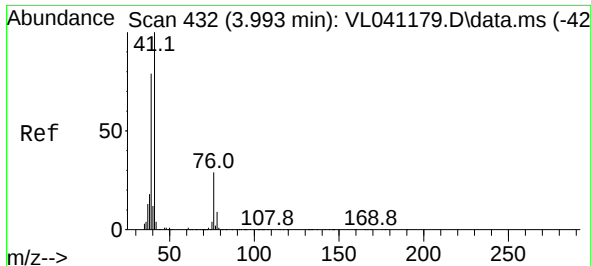
84 100

49 172.3 130.4 195.6

51 53.5 38.0 57.0

86 67.4 50.3 75.5





#21

Allyl Chloride

Concen: 9.820 ppbv

RT: 4.015 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

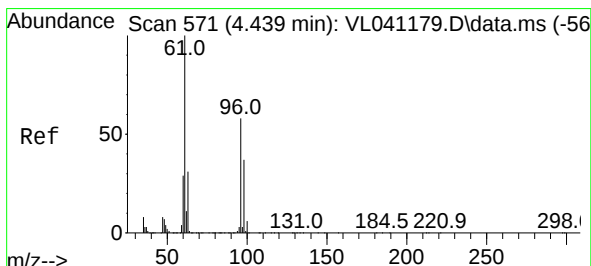
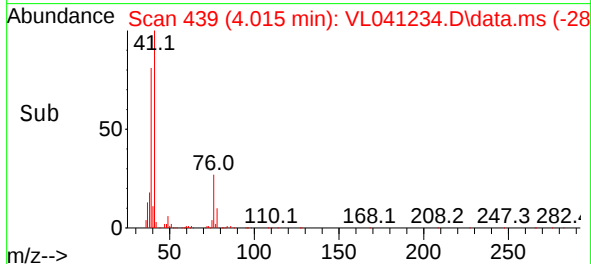
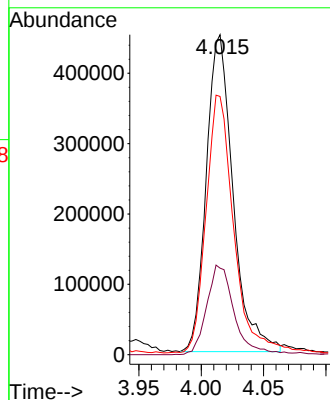
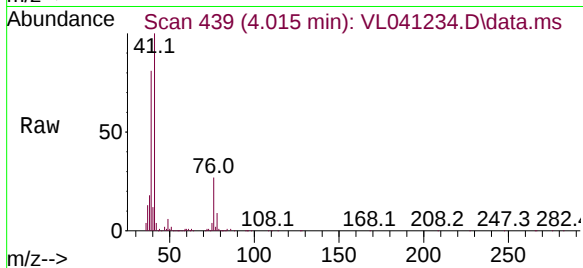
Tgt Ion: 41 Resp: 674160

Ion Ratio Lower Upper

41 100

76 29.3 23.7 35.5

39 85.1 64.7 97.1



#22

trans-1,2-Dichloroethene

Concen: 10.519 ppbv

RT: 4.462 min Scan# 578

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

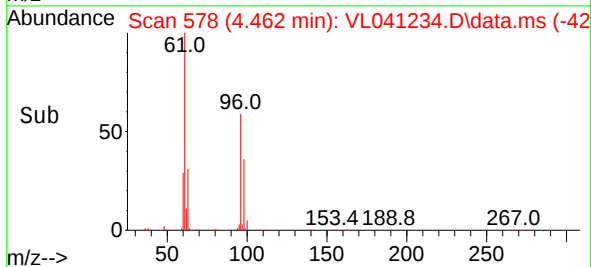
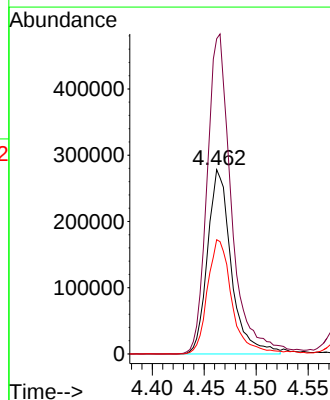
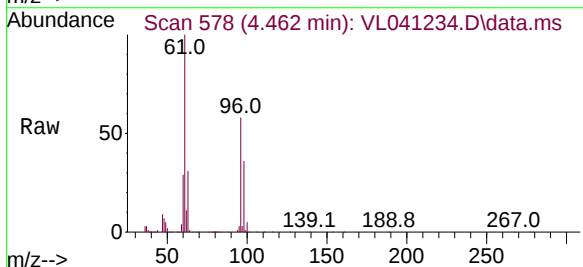
Tgt Ion: 96 Resp: 442366

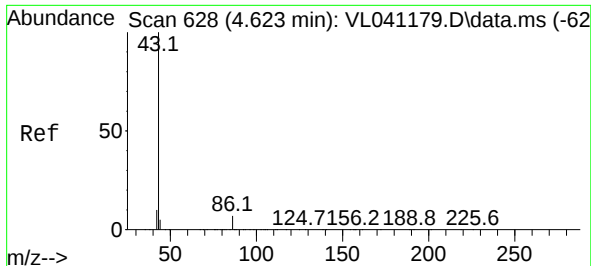
Ion Ratio Lower Upper

96 100

61 170.7 137.6 206.4

98 61.9 50.6 76.0



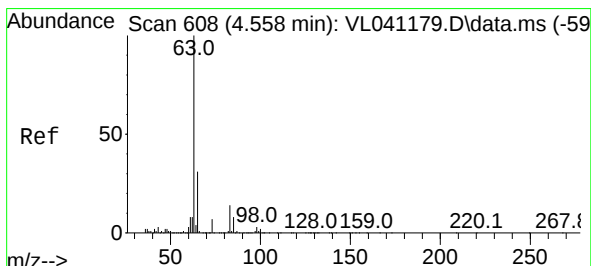
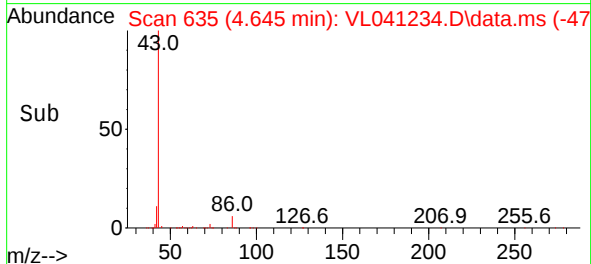
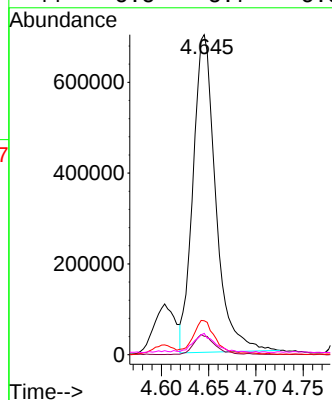
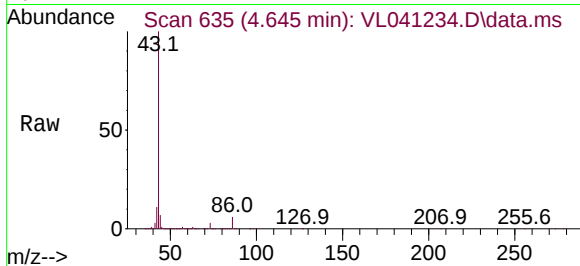


#23
 Vinyl Acetate
 Concen: 10.064 ppbv
 RT: 4.645 min Scan# 616
 Delta R.T. 0.000 min
 Lab File: VL041234.D
 Acq: 8 May 2024 8:34

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1166827

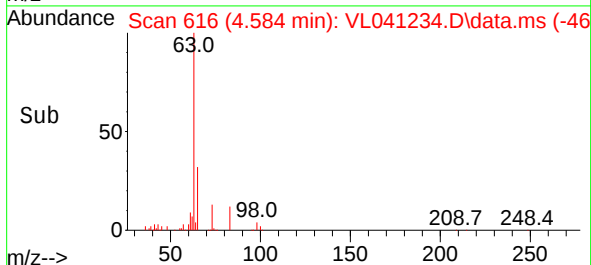
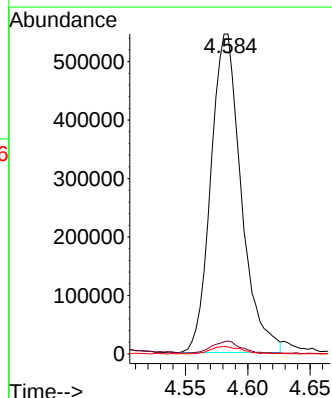
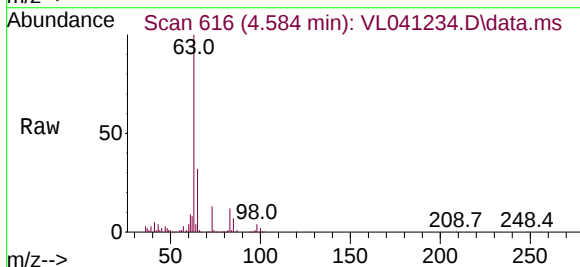
Ion	Ratio	Lower	Upper
43	100		
86	5.7	4.9	7.3
42	10.6	8.0	12.0
44	5.8	3.7	5.5

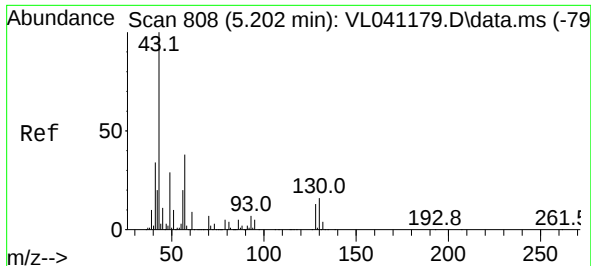


#24
 1,1-Dichloroethane
 Concen: 10.263 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. 0.000 min
 Lab File: VL041234.D
 Acq: 8 May 2024 8:34

Tgt Ion: 63 Resp: 925235

Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.6	4.8
100	2.2	1.1	3.5





#25

Ethyl Acetate

Concen: 9.650 ppbv

RT: 5.221 min Scan# 814

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2028041

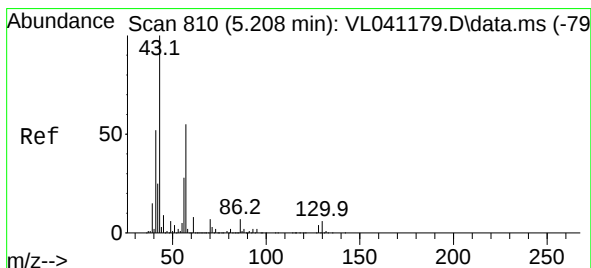
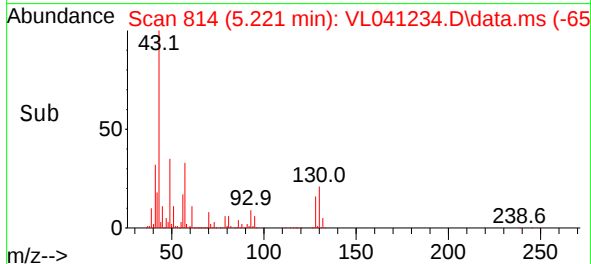
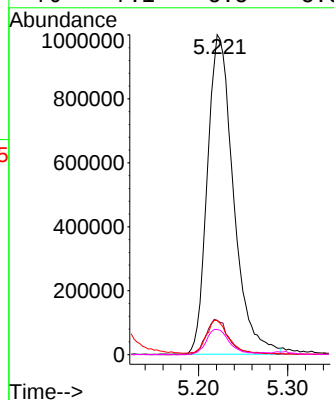
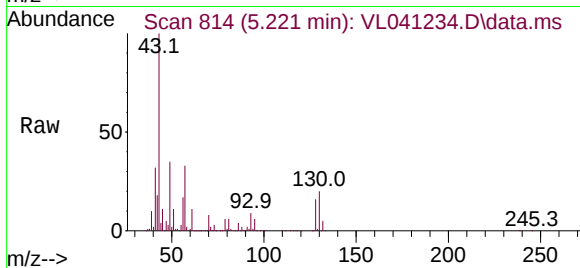
Ion Ratio Lower Upper

43 100

45 10.1 8.2 12.2

61 9.6 7.7 11.5

70 7.1 5.8 8.6



#26

Hexane

Concen: 9.569 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Tgt Ion: 57 Resp: 897445

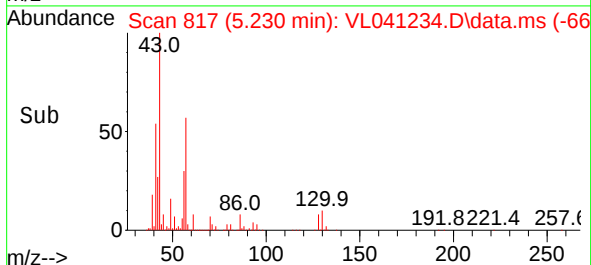
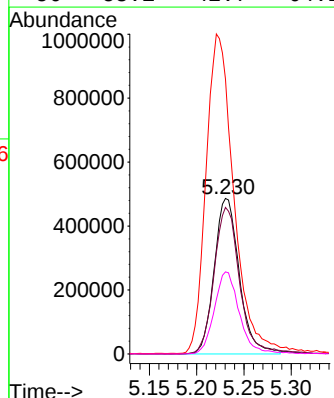
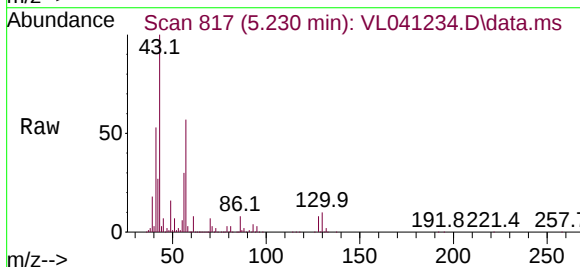
Ion Ratio Lower Upper

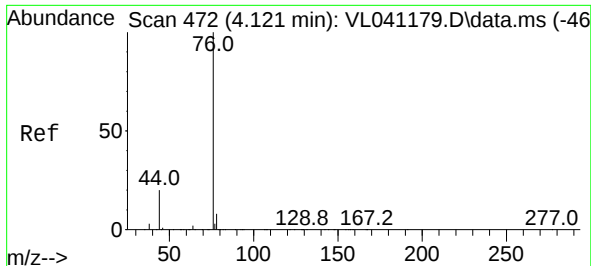
57 100

41 96.8 75.8 113.8

43 230.6 187.0 280.4

56 53.1 42.7 64.1

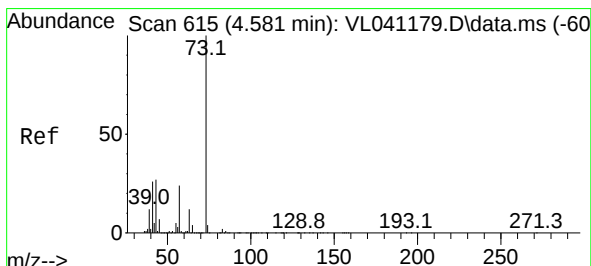
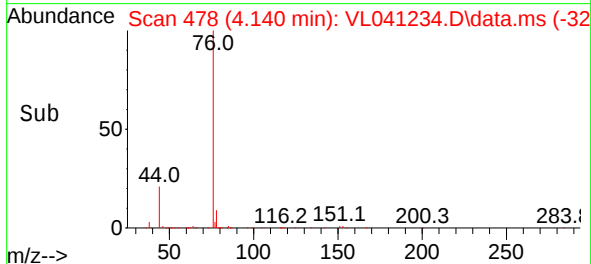
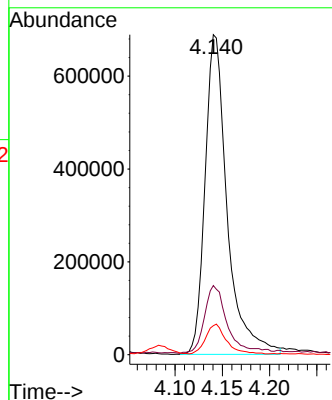
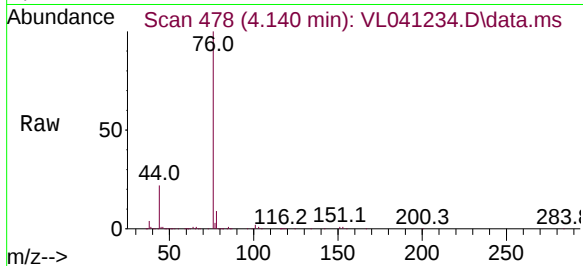




#27
Carbon Disulfide
Concen: 10.095 ppbv
RT: 4.140 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

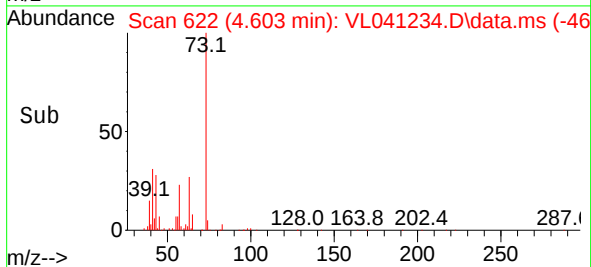
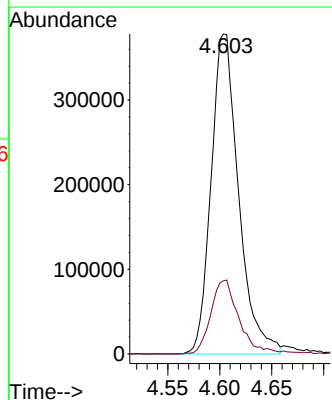
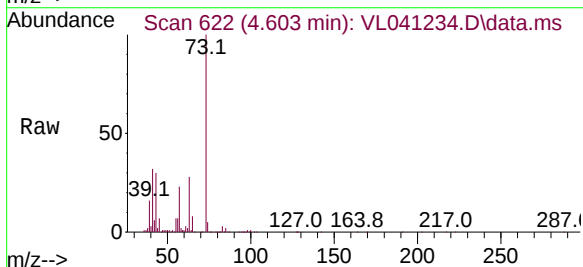
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

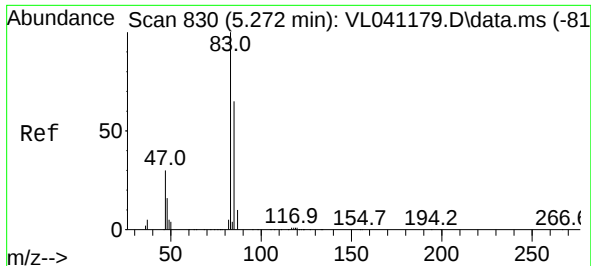
Tgt Ion: 76 Resp: 1120702
Ion Ratio Lower Upper
76 100
44 23.7 16.3 24.5
78 9.6 7.3 10.9



#28
Methyl tert-Butyl Ether
Concen: 9.318 ppbv
RT: 4.603 min Scan# 622
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

Tgt Ion: 73 Resp: 695778
Ion Ratio Lower Upper
73 100
57 24.1 18.8 28.2





#29

Chloroform

Concen: 10.667 ppbv

RT: 5.295 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

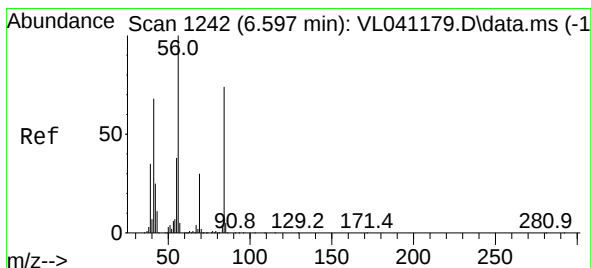
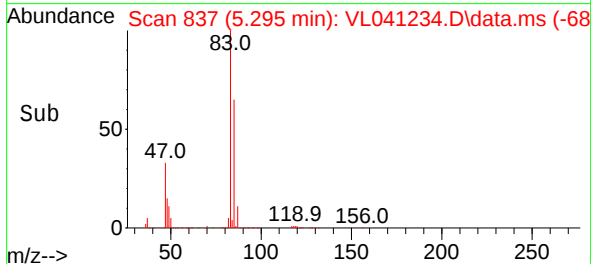
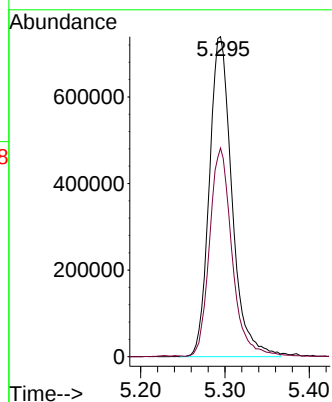
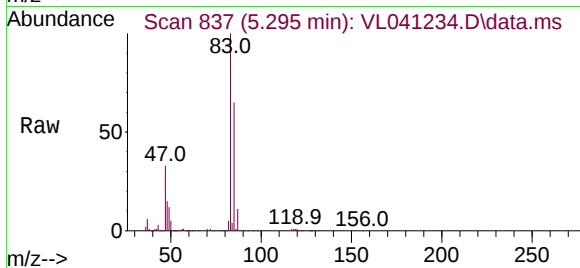
VSTDCCC010

Tgt Ion: 83 Resp: 1380070

Ion Ratio Lower Upper

83 100

85 64.9 51.7 77.5



#30

Cyclohexane

Concen: 10.152 ppbv

RT: 6.623 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

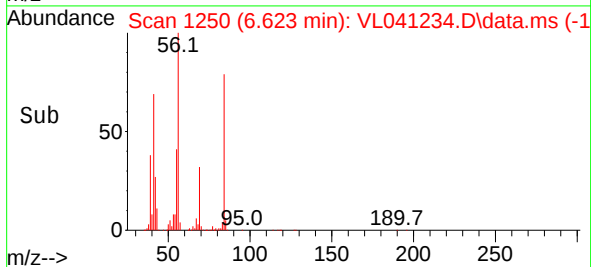
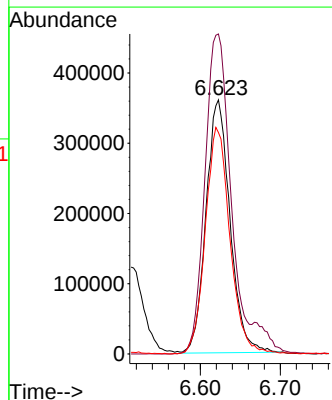
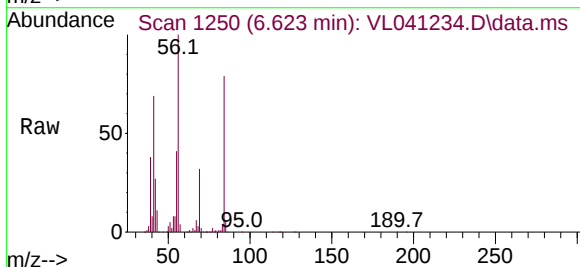
Tgt Ion: 84 Resp: 753642

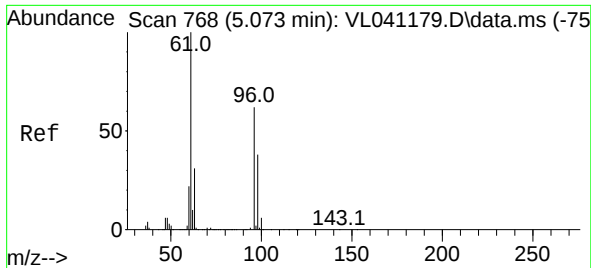
Ion Ratio Lower Upper

84 100

56 142.4 116.8 175.2

41 91.6 73.8 110.8

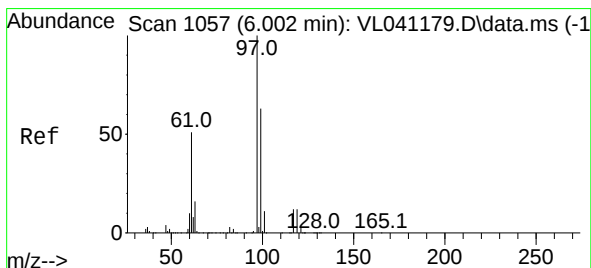
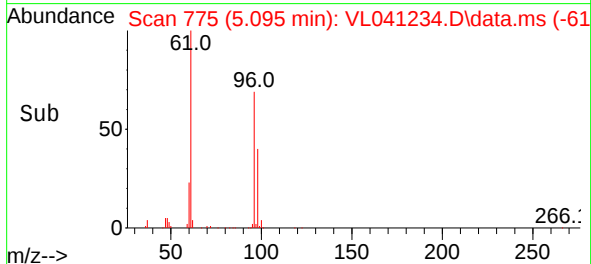
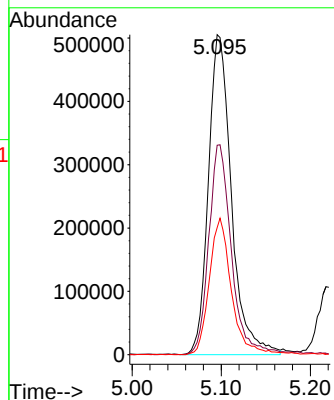
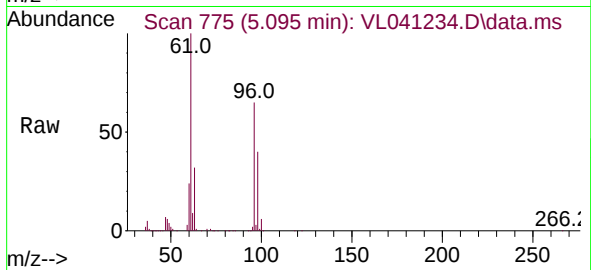




#31
 cis-1,2-Dichloroethene
 Concen: 10.343 ppbv
 RT: 5.095 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041234.D
 Acq: 8 May 2024 8:34

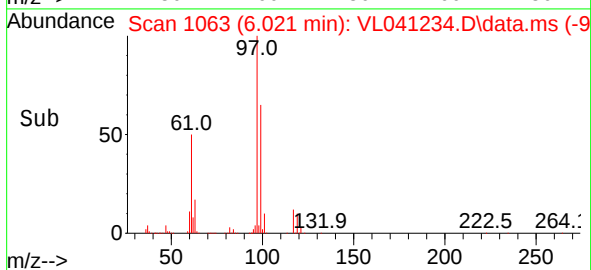
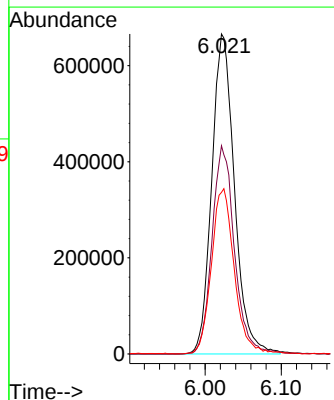
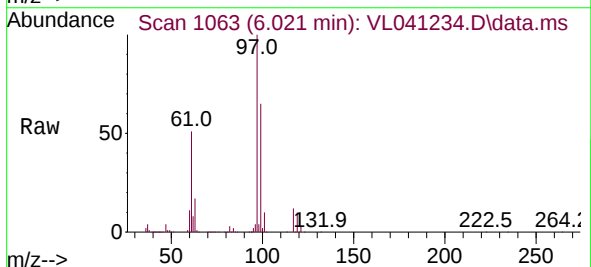
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

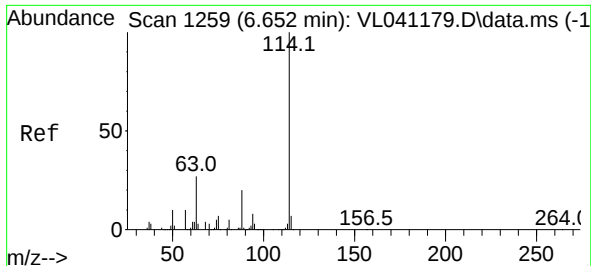
Tgt Ion: 61 Resp: 908050
 Ion Ratio Lower Upper
 61 100
 96 65.4 49.8 74.6
 98 39.6 30.0 45.0



#32
 1,1,1-Trichloroethane
 Concen: 10.690 ppbv
 RT: 6.021 min Scan# 1063
 Delta R.T. 0.000 min
 Lab File: VL041234.D
 Acq: 8 May 2024 8:34

Tgt Ion: 97 Resp: 1379921
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 52.2 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

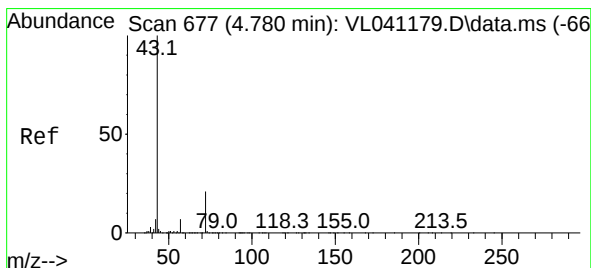
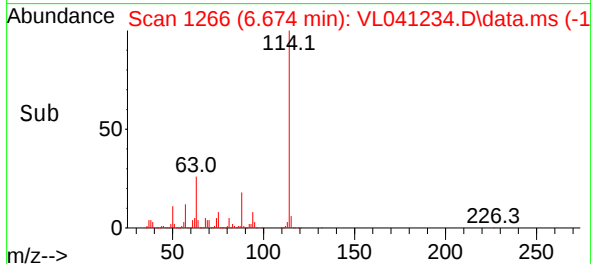
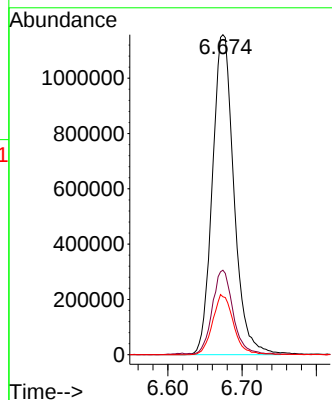
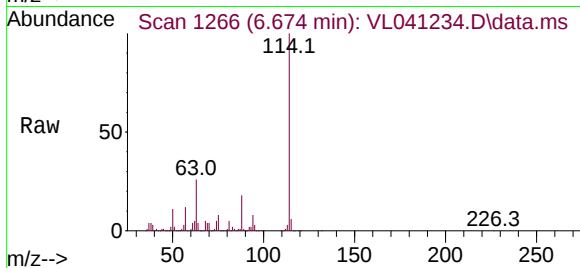
Tgt Ion:114 Resp: 2331059

Ion Ratio Lower Upper

114 100

63 26.1 21.8 32.6

88 18.3 15.2 22.8



#34

2-Butanone

Concen: 8.960 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.000 min

Lab File: VL041234.D

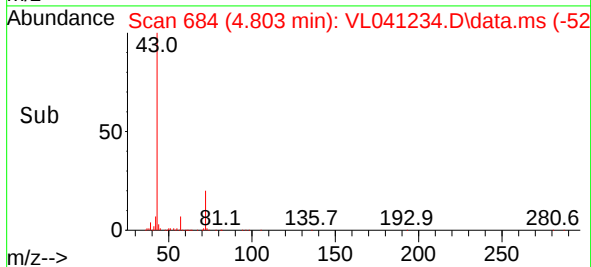
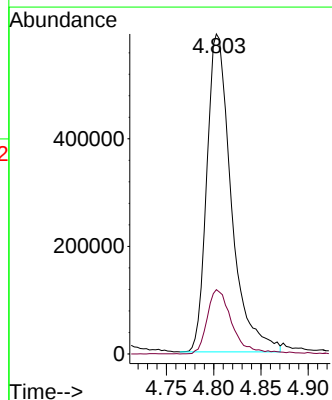
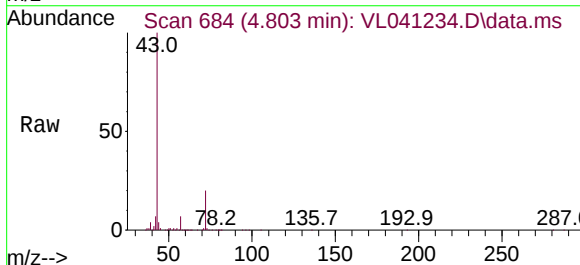
Acq: 8 May 2024 8:34

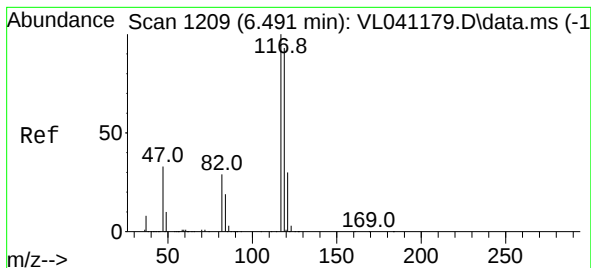
Tgt Ion: 43 Resp: 1063032

Ion Ratio Lower Upper

43 100

72 21.2 17.3 25.9





#35

Carbon Tetrachloride

Concen: 10.626 ppbv

RT: 6.513 min Scan# 117

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

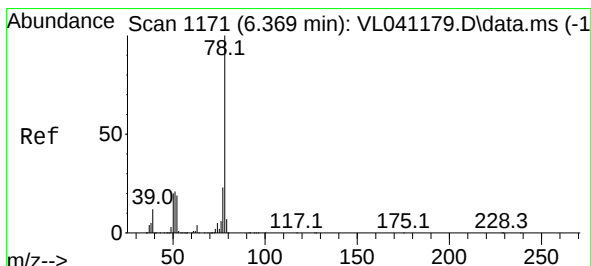
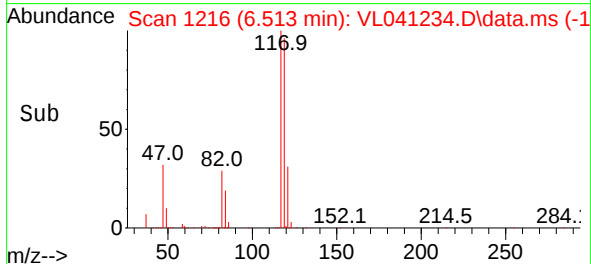
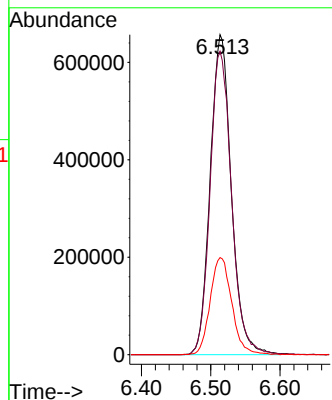
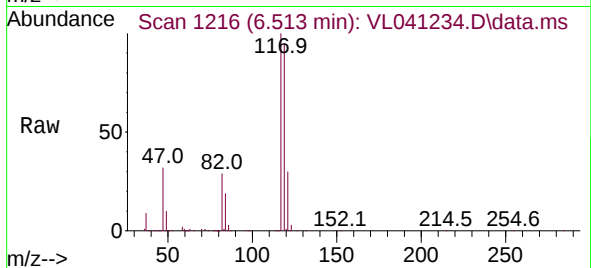
Tgt Ion:117 Resp: 1390170

Ion Ratio Lower Upper

117 100

119 94.8 74.3 111.5

121 30.3 23.8 35.8



#36

Benzene

Concen: 9.762 ppbv

RT: 6.391 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

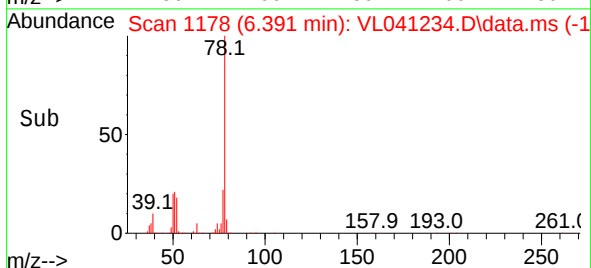
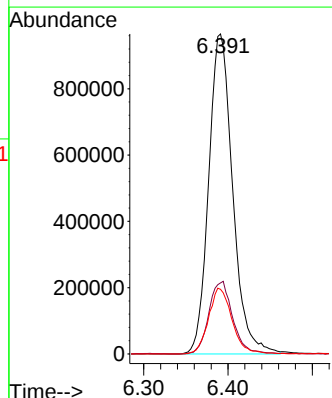
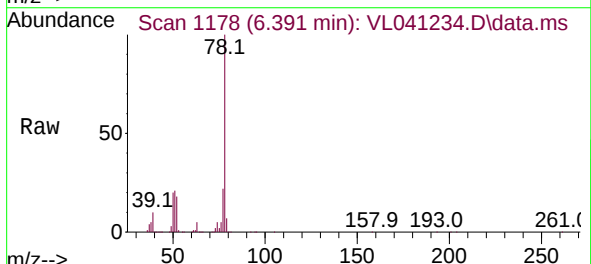
Tgt Ion: 78 Resp: 1909548

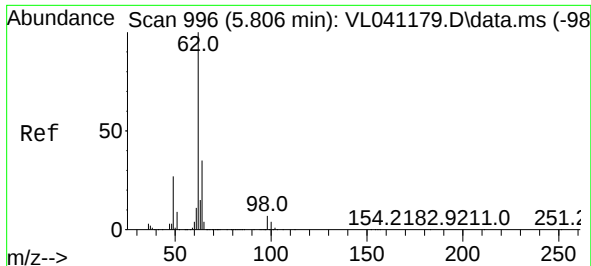
Ion Ratio Lower Upper

78 100

77 22.2 18.3 27.5

50 20.2 15.9 23.9





#37

1,2-Dichloroethane

Concen: 10.655 ppbv

RT: 5.828 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

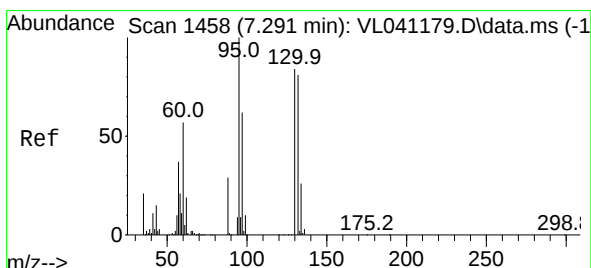
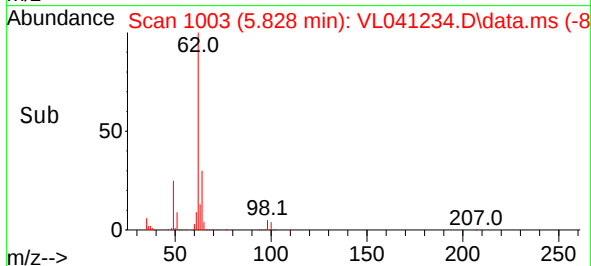
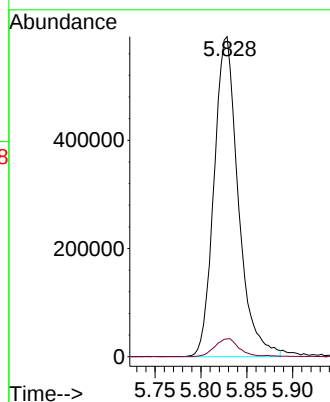
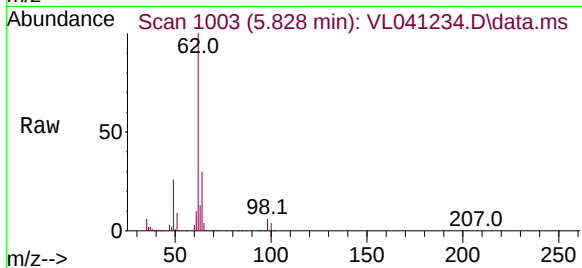
VSTDCCC010

Tgt Ion: 62 Resp: 1087496

Ion Ratio Lower Upper

62 100

98 5.9 5.0 7.4



#38

Trichloroethene

Concen: 9.788 ppbv

RT: 7.311 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Tgt Ion:130 Resp: 713505

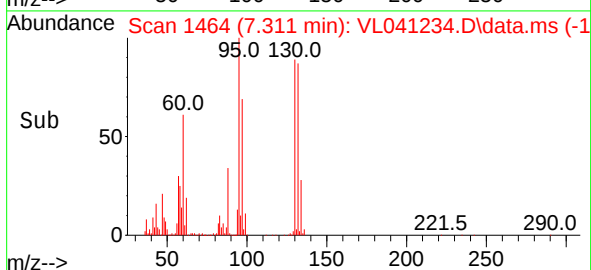
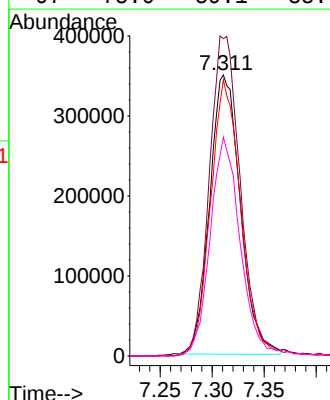
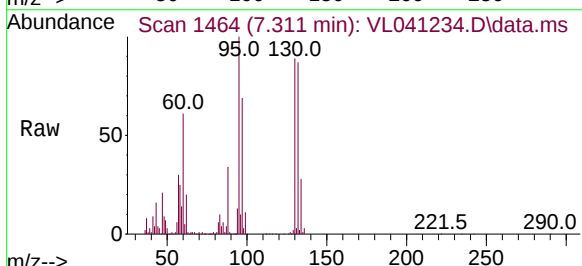
Ion Ratio Lower Upper

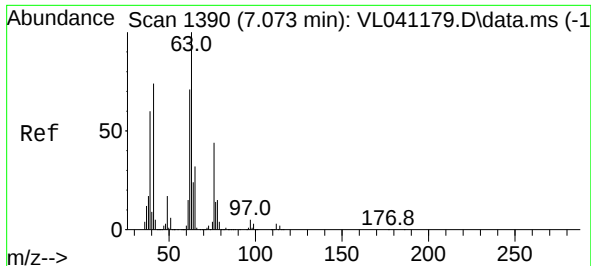
130 100

95 113.4 95.0 142.6

132 98.5 77.0 115.4

97 78.0 59.1 88.7





#39

1,2-Dichloropropane

Concen: 9.645 ppbv

RT: 7.092 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

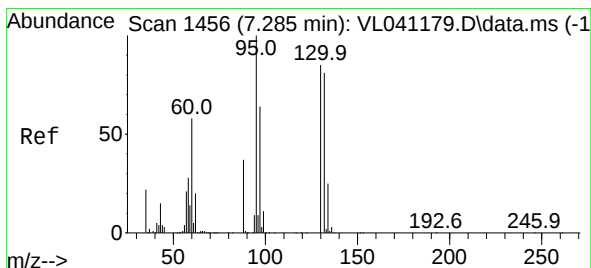
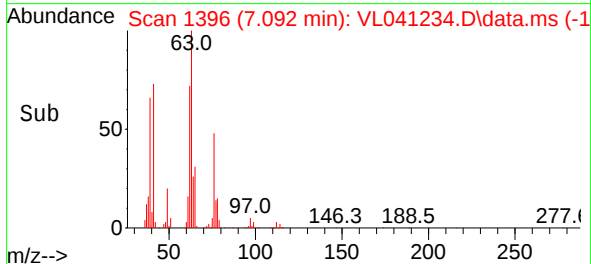
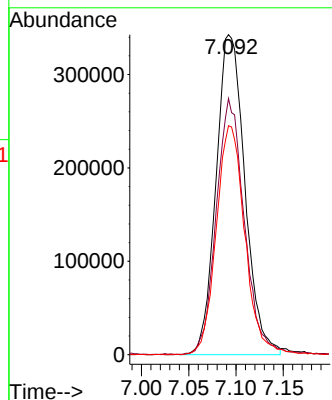
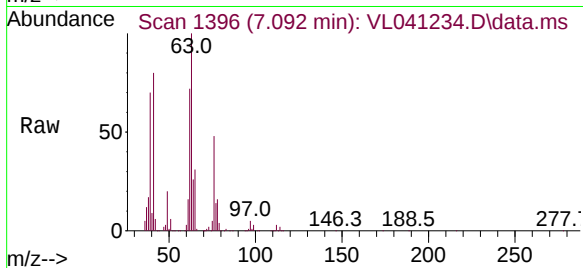
Tgt Ion: 63 Resp: 727162

Ion Ratio Lower Upper

63 100

41 80.0 59.4 89.0

62 71.4 56.8 85.2



#40

1,4-Dioxane

Concen: 11.797 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Tgt Ion: 88 Resp: 317740

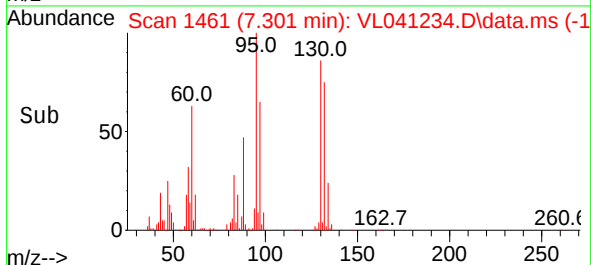
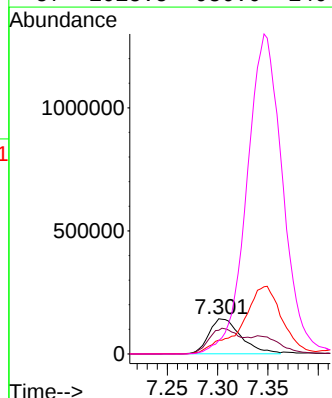
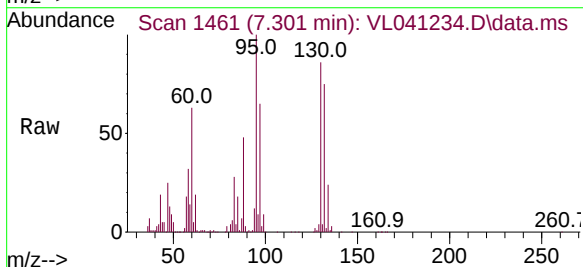
Ion Ratio Lower Upper

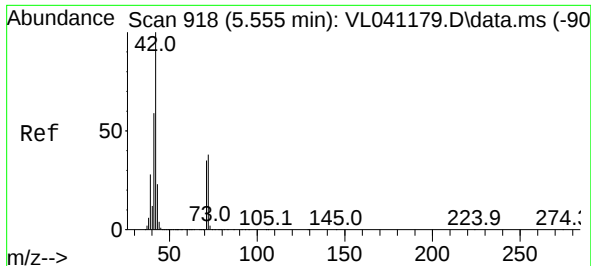
88 100

58 120.5 106.1 159.1

43 241.5 219.8 329.6

57 1018.5 936.0 1404.0





#41

Tetrahydrofuran

Concen: 9.265 ppbv

RT: 5.578 min Scan# 918

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

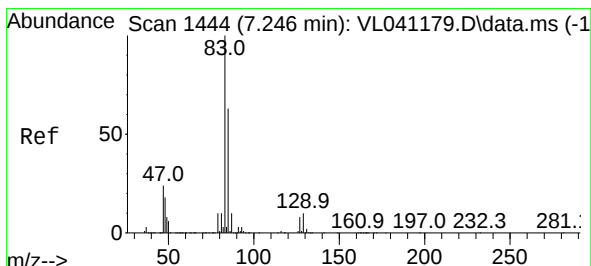
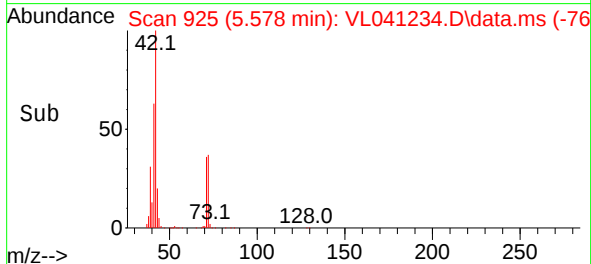
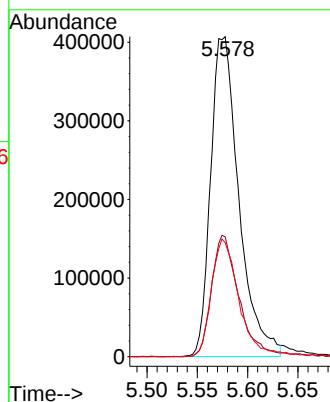
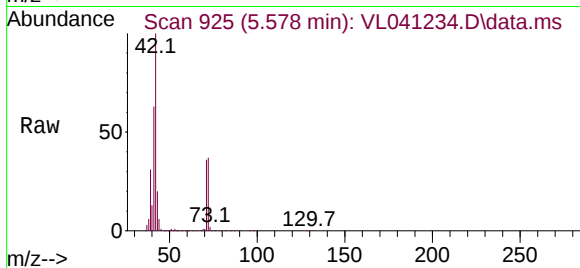
Tgt Ion: 42 Resp: 795784

Ion Ratio Lower Upper

42 100

72 37.7 29.4 44.0

71 36.6 29.1 43.7



#42

Bromodichloromethane

Concen: 10.601 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

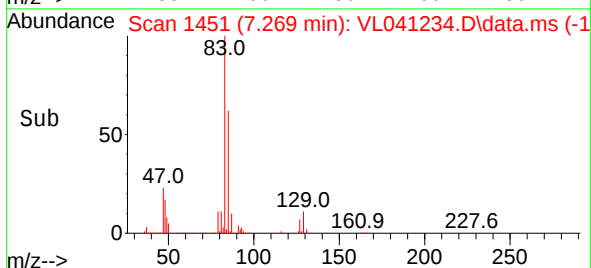
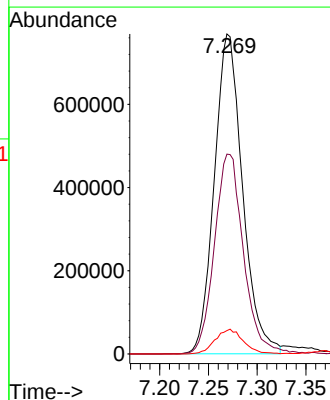
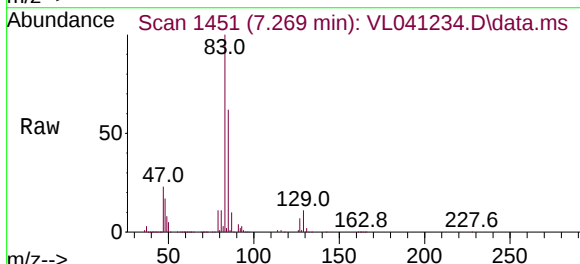
Tgt Ion: 83 Resp: 1551743

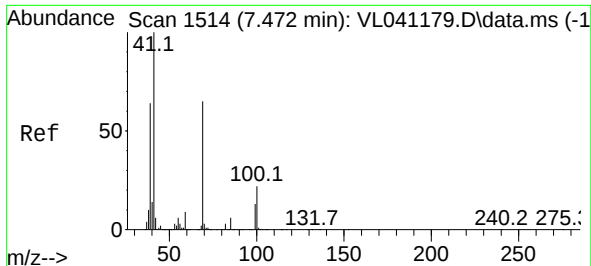
Ion Ratio Lower Upper

83 100

85 62.4 50.6 75.8

127 7.3 6.2 9.4





#43

Methyl Methacrylate

Concen: 9.852 ppbv

RT: 7.494 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

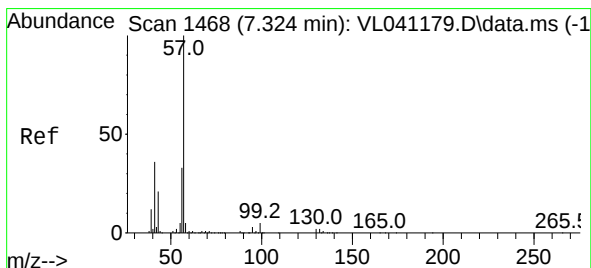
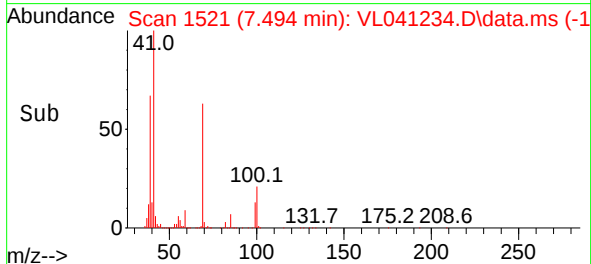
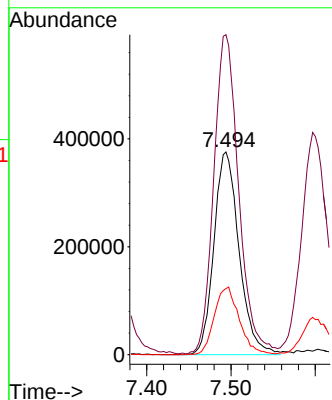
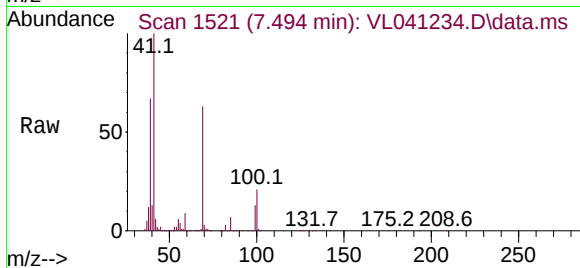
Tgt Ion: 69 Resp: 779509

Ion Ratio Lower Upper

69 100

41 156.3 125.2 187.8

100 33.2 26.7 40.1



#44

2,2,4-Trimethylpentane

Concen: 9.565 ppbv

RT: 7.346 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

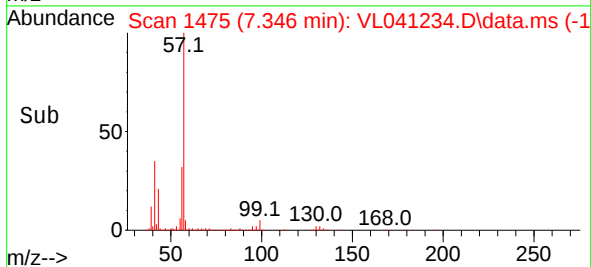
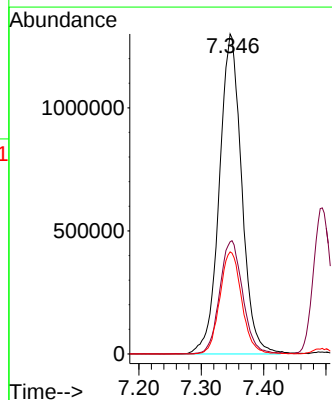
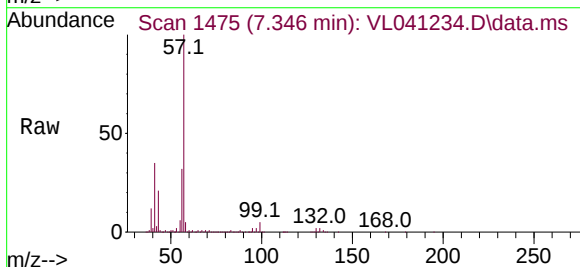
Tgt Ion: 57 Resp: 3226019

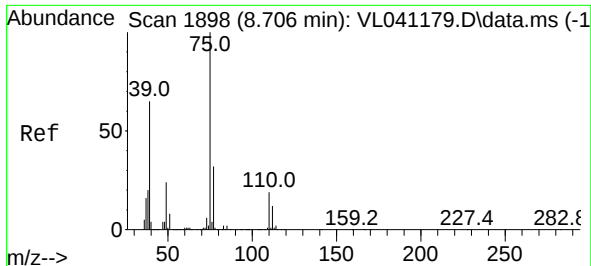
Ion Ratio Lower Upper

57 100

41 36.3 29.5 44.3

56 31.4 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.308 ppbv

RT: 8.732 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

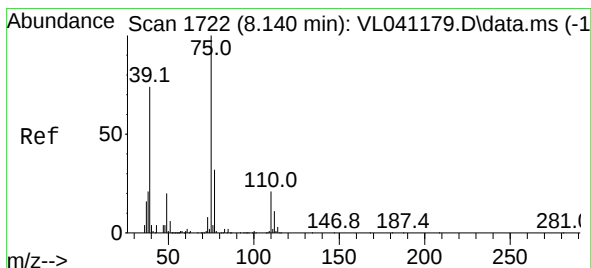
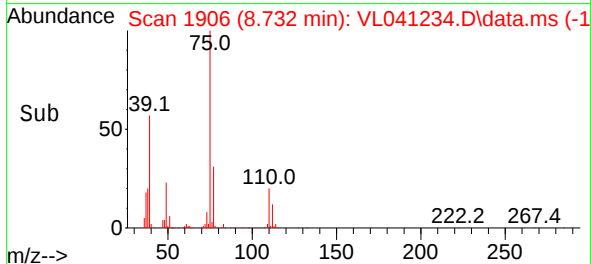
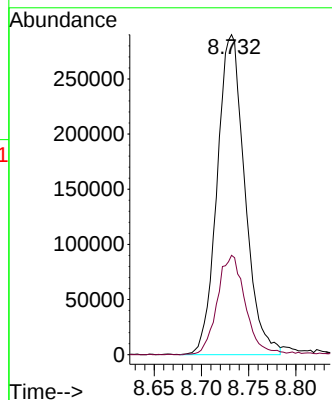
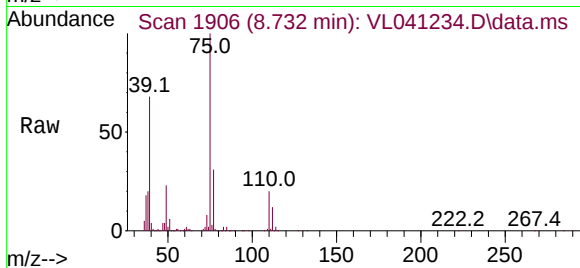
VSTDCCC010

Tgt Ion: 75 Resp: 591010

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 9.982 ppbv

RT: 8.163 min Scan# 1729

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

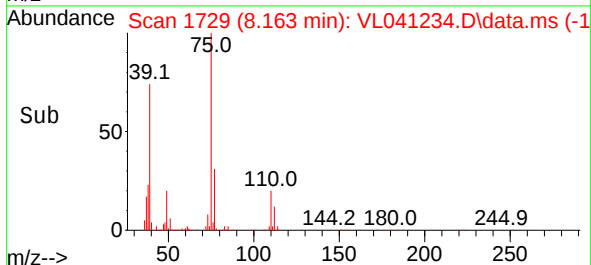
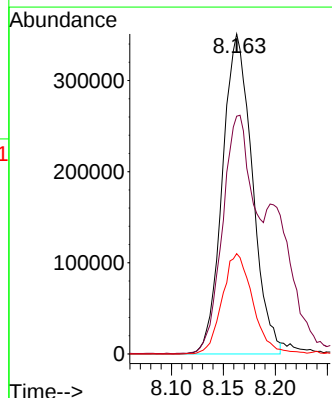
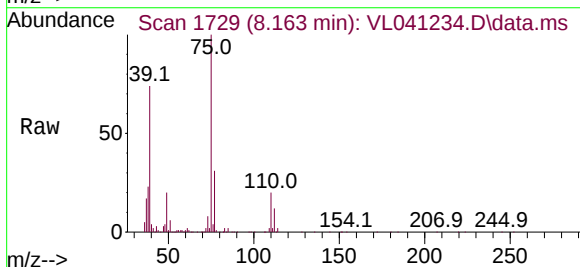
Tgt Ion: 75 Resp: 700672

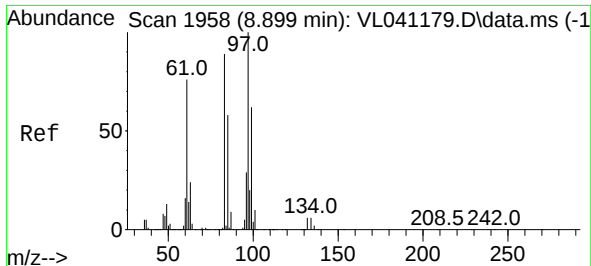
Ion Ratio Lower Upper

75 100

39 74.1 59.4 89.2

77 31.4 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.324 ppbv

RT: 8.922 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 778990

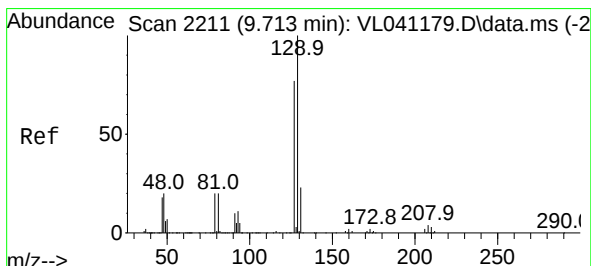
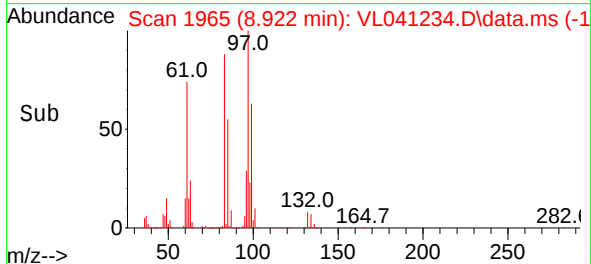
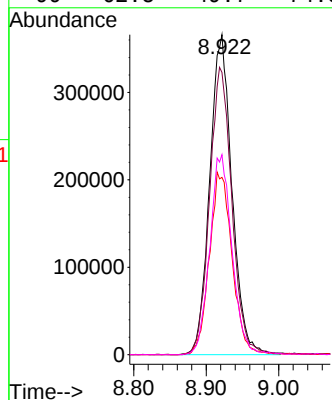
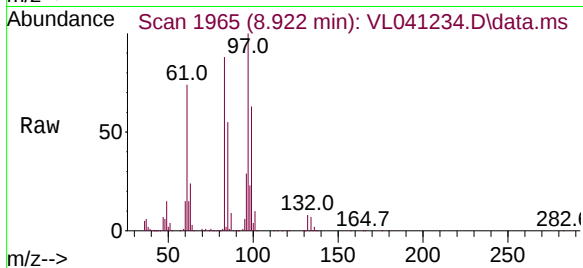
Ion Ratio Lower Upper

97 100

83 88.1 71.2 106.8

85 55.4 46.0 69.0

99 62.5 49.7 74.5



#48

Dibromochloromethane

Concen: 10.901 ppbv

RT: 9.732 min Scan# 2217

Delta R.T. 0.000 min

Lab File: VL041234.D

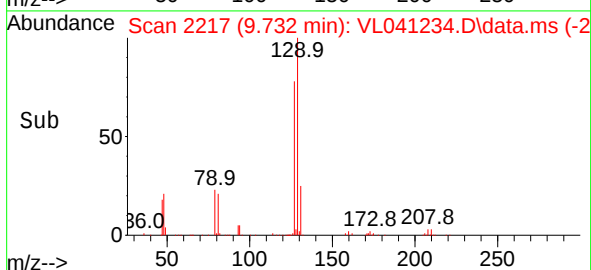
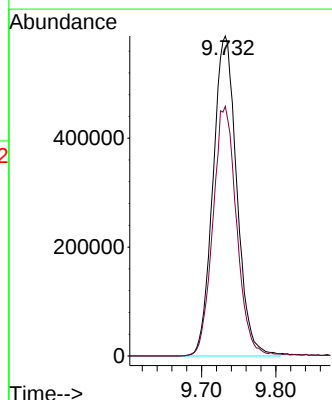
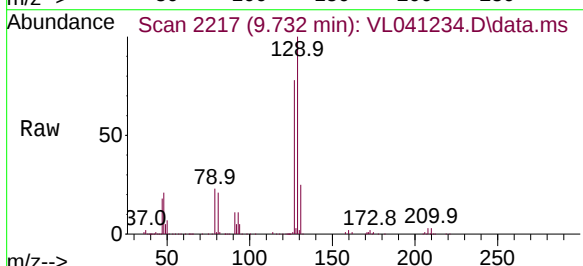
Acq: 8 May 2024 8:34

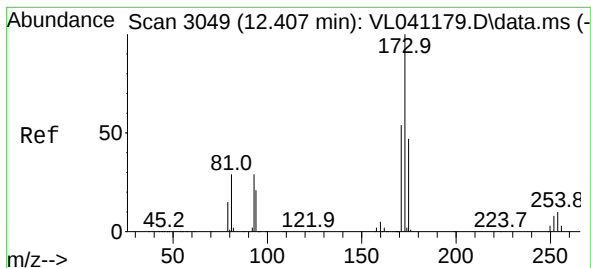
Tgt Ion: 129 Resp: 1310654

Ion Ratio Lower Upper

129 100

127 78.1 39.1 117.5





#49

Bromoform

Concen: 10.653 ppbv

RT: 12.429 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

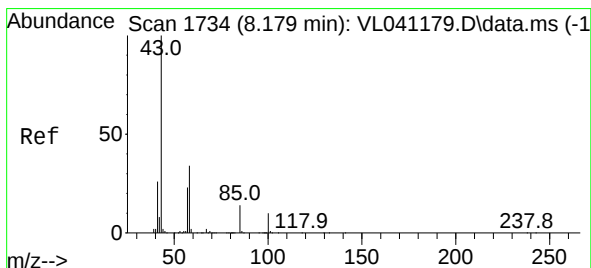
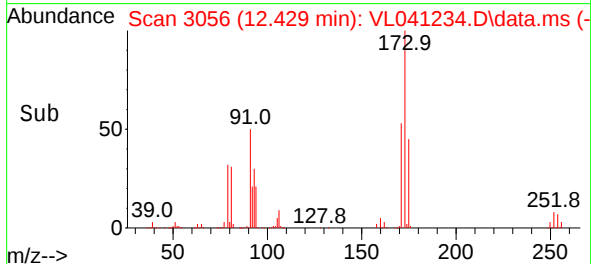
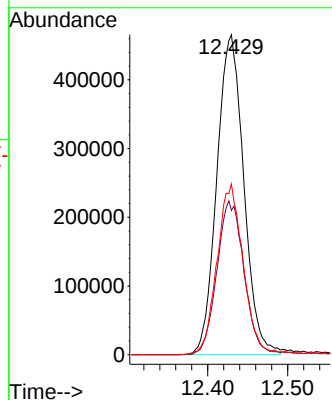
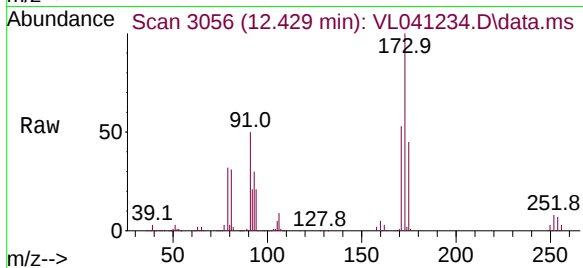
Tgt Ion:173 Resp: 1089577

Ion Ratio Lower Upper

173 100

175 49.3 39.8 59.8

171 52.0 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 9.486 ppbv

RT: 8.201 min Scan# 1741

Delta R.T. 0.000 min

Lab File: VL041234.D

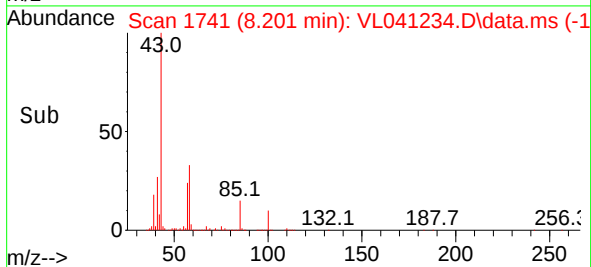
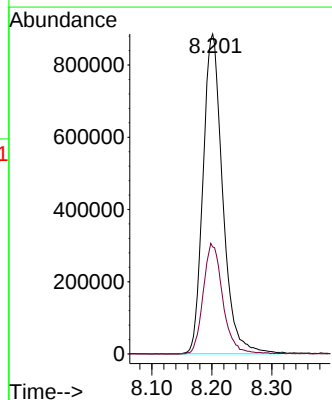
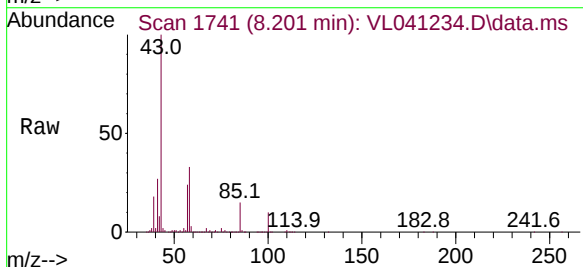
Acq: 8 May 2024 8:34

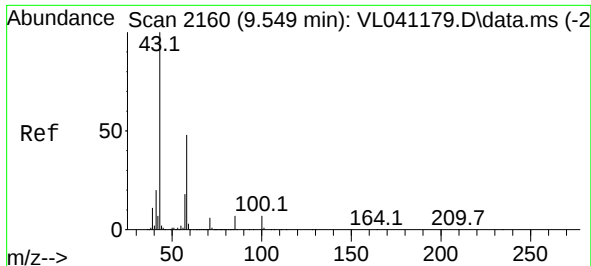
Tgt Ion: 43 Resp: 2019837

Ion Ratio Lower Upper

43 100

58 34.5 27.7 41.5

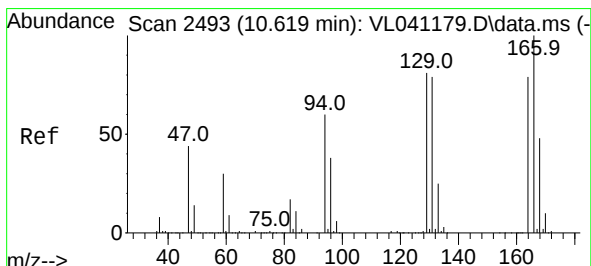
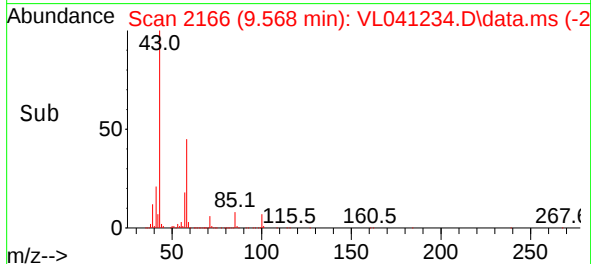
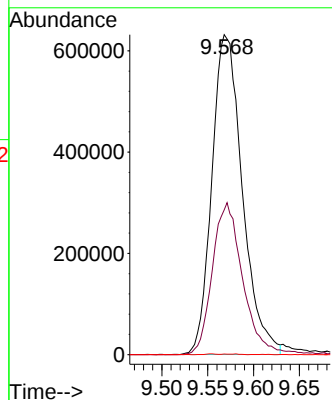
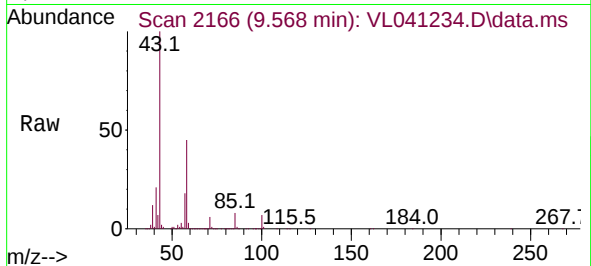




#51
2-Hexanone
Concen: 9.247 ppbv
RT: 9.568 min Scan# 2160
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

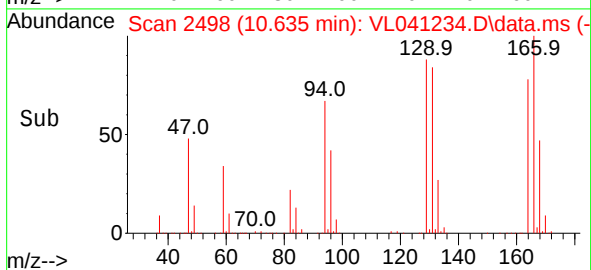
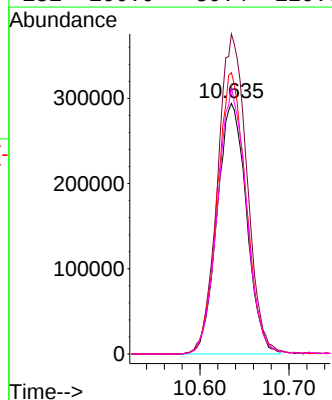
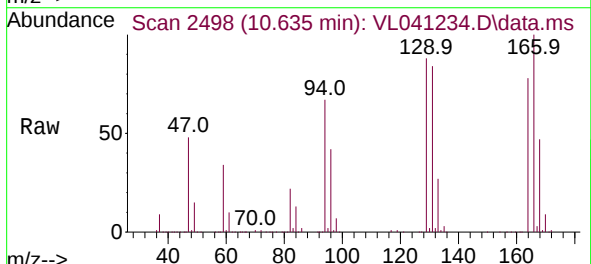
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

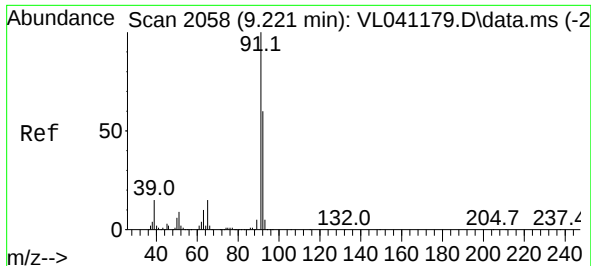
Tgt Ion: 43 Resp: 1460515
Ion Ratio Lower Upper
43 100
58 47.7 38.4 57.6
98 0.2 0.0 0.0#



#52
Tetrachloroethene
Concen: 9.819 ppbv
RT: 10.635 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

Tgt Ion:164 Resp: 675089
Ion Ratio Lower Upper
164 100
166 127.7 101.1 151.7
129 112.1 81.7 122.5
131 106.9 80.4 120.6





#53

Toluene

Concen: 9.854 ppbv

RT: 9.240 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

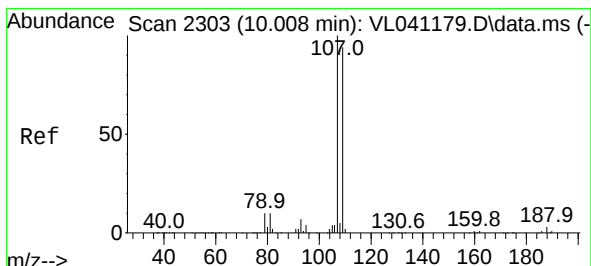
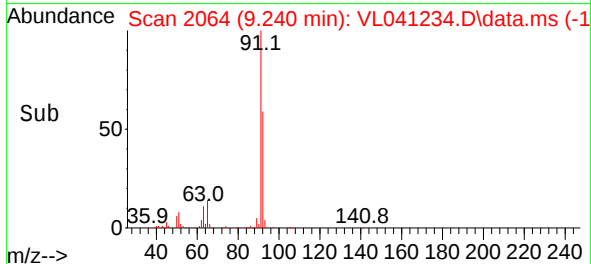
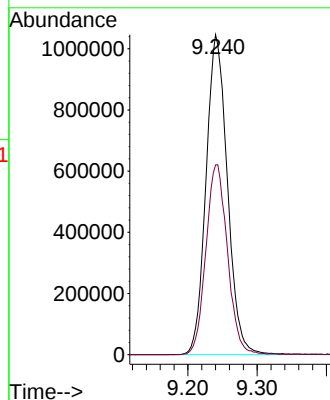
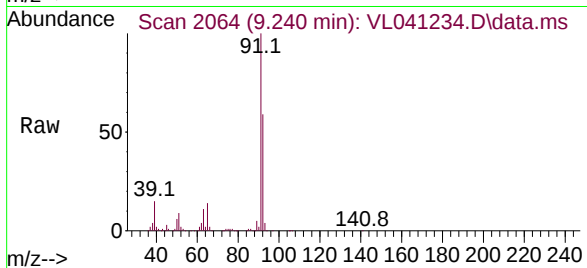
VSTDCCC010

Tgt Ion: 91 Resp: 2235134

Ion Ratio Lower Upper

91 100

92 60.4 48.2 72.4



#54

1,2-Dibromoethane

Concen: 10.559 ppbv

RT: 10.031 min Scan# 2310

Delta R.T. 0.000 min

Lab File: VL041234.D

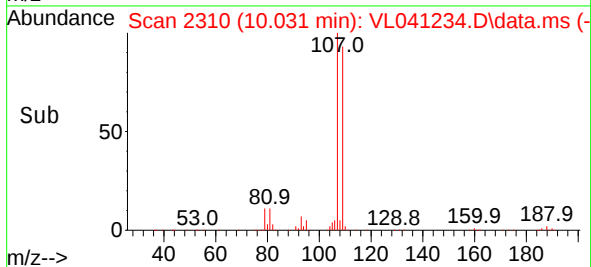
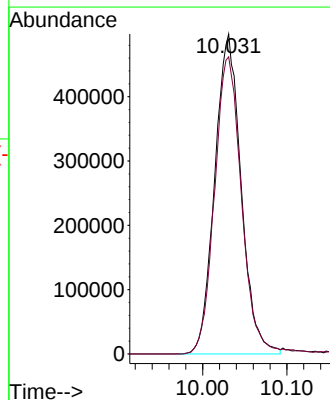
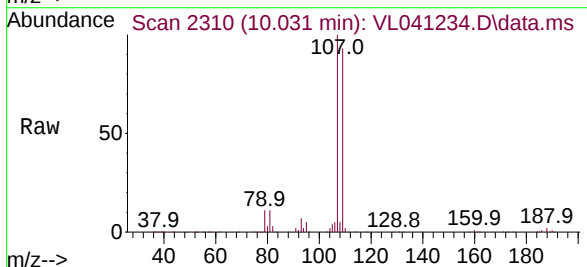
Acq: 8 May 2024 8:34

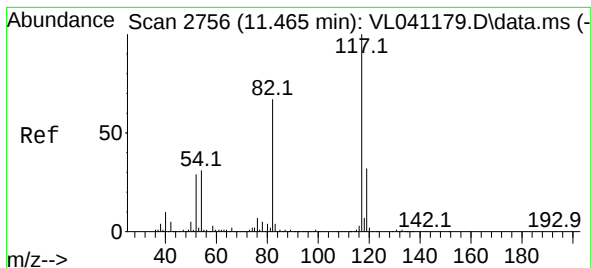
Tgt Ion:107 Resp: 1079142

Ion Ratio Lower Upper

107 100

109 92.8 75.2 112.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.487 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

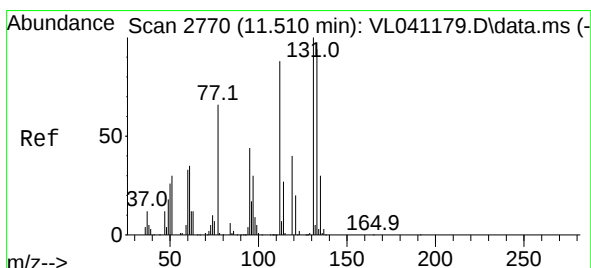
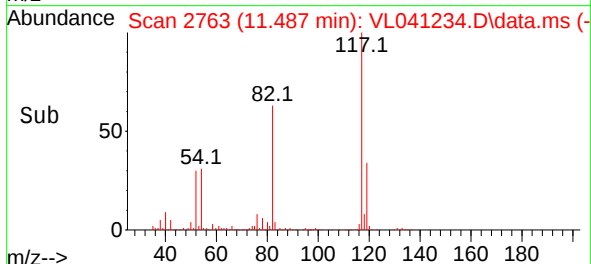
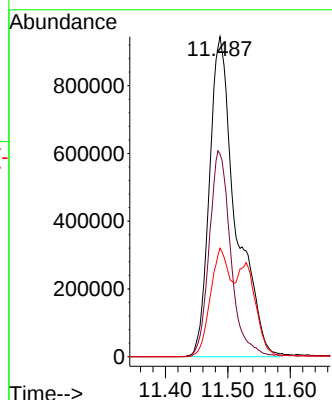
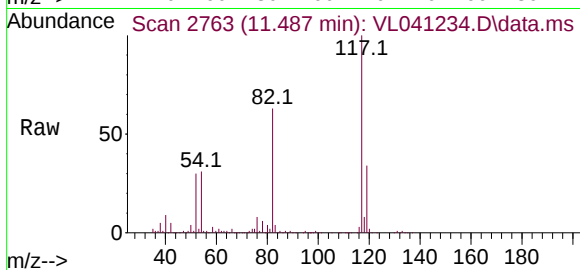
Tgt Ion:117 Resp: 2780090

Ion Ratio Lower Upper

117 100

82 53.0 53.6 80.4#

119 24.4 27.2 40.8#



#56

1,1,1,2-Tetrachloroethane

Concen: 8.409 ppbv

RT: 11.529 min Scan# 2776

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

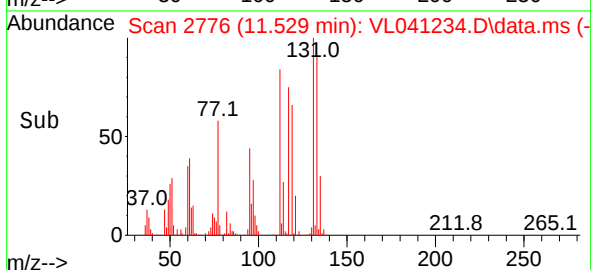
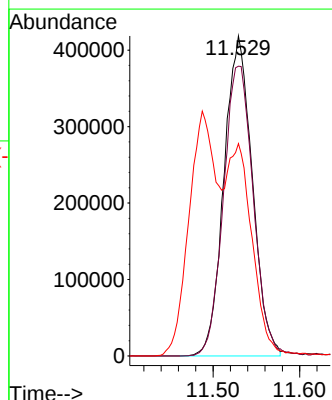
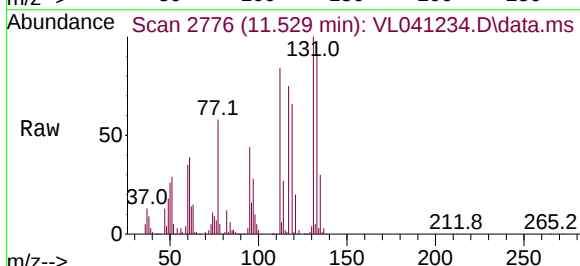
Tgt Ion:131 Resp: 947924

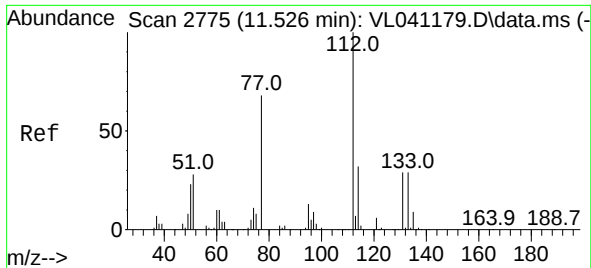
Ion Ratio Lower Upper

131 100

133 96.5 76.3 114.5

119 62.0 49.4 74.2

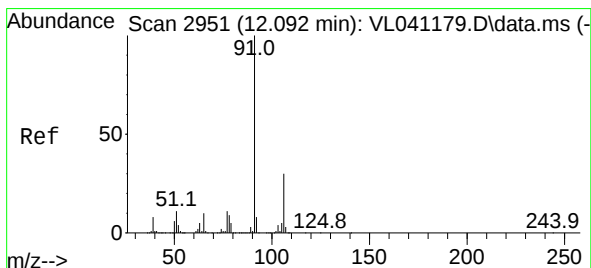
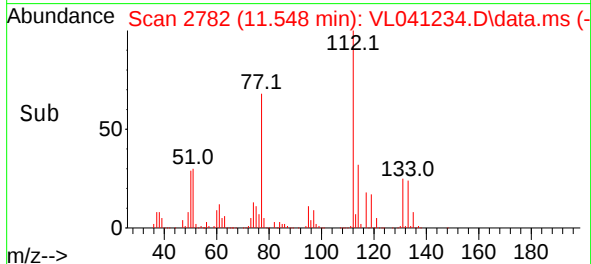
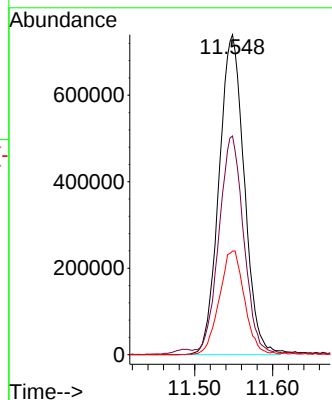
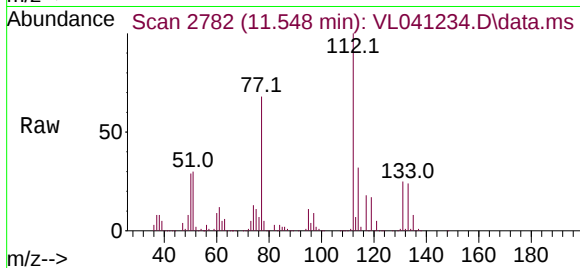




#57
Chlorobenzene
Concen: 8.167 ppbv
RT: 11.548 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

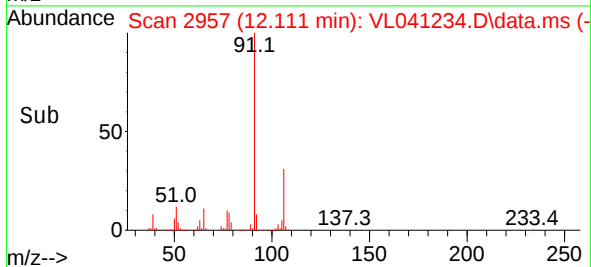
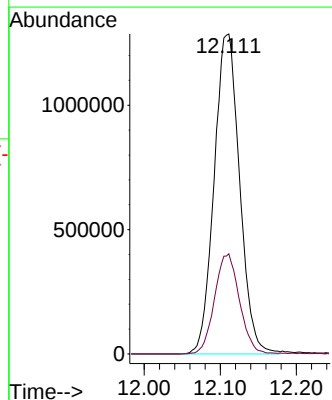
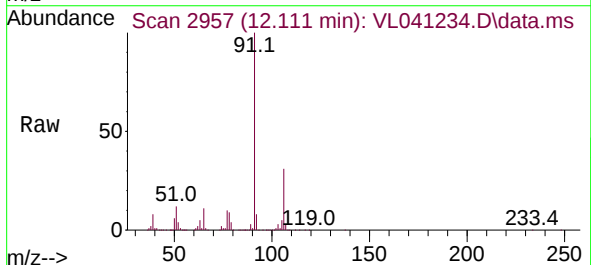
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

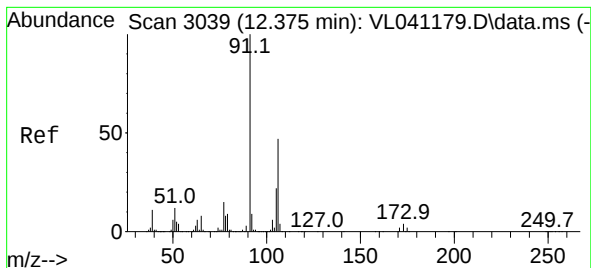
Tgt Ion:112 Resp: 1662775
Ion Ratio Lower Upper
112 100
77 67.6 54.9 82.3
114 32.3 28.7 35.1



#58
Ethyl Benzene
Concen: 7.861 ppbv
RT: 12.111 min Scan# 2957
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

Tgt Ion: 91 Resp: 2996714
Ion Ratio Lower Upper
91 100
106 31.3 24.3 36.5





#59

m/p-Xylene

Concen: 8.886 ppbv

RT: 12.391 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

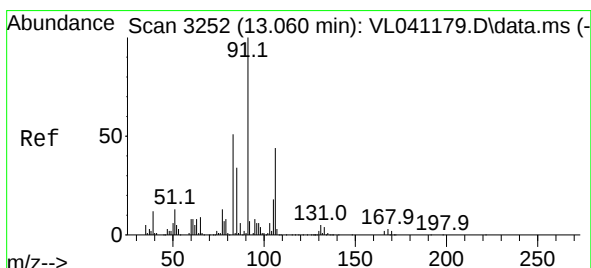
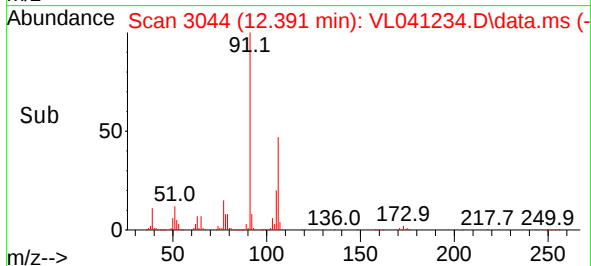
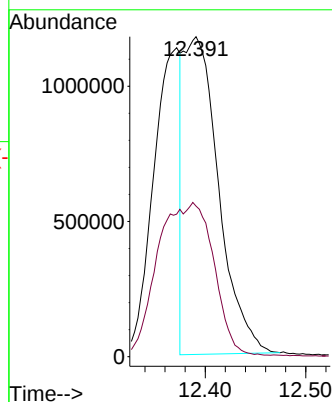
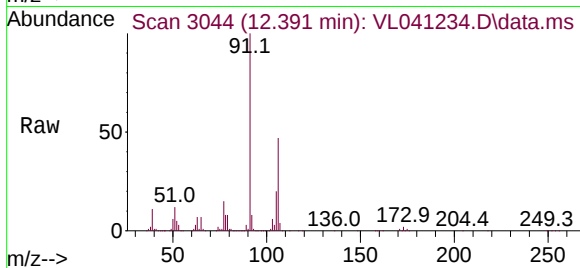
VSTDCCC010

Tgt Ion: 91 Resp: 2846961

Ion Ratio Lower Upper

91 100

106 78.3 35.7 53.5#



#60

o-Xylene

Concen: 7.937 ppbv

RT: 13.079 min Scan# 3258

Delta R.T. 0.000 min

Lab File: VL041234.D

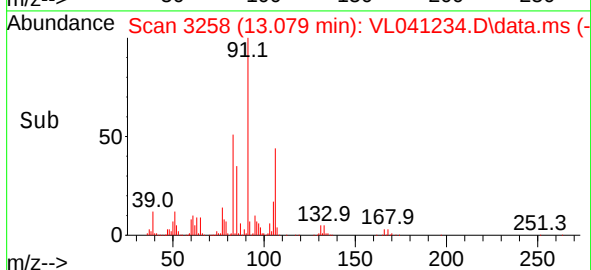
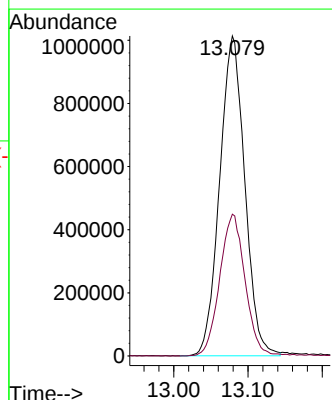
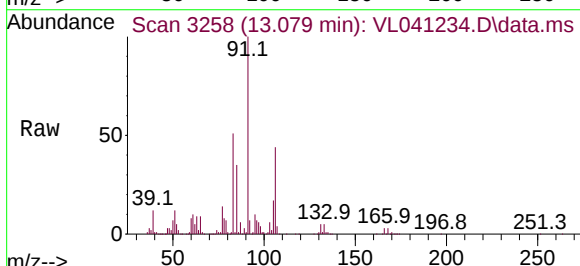
Acq: 8 May 2024 8:34

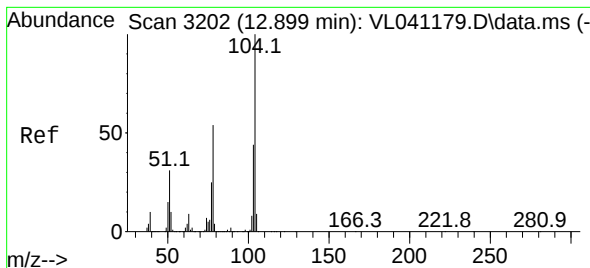
Tgt Ion: 91 Resp: 2383720

Ion Ratio Lower Upper

91 100

106 45.2 22.4 67.3





#61

Styrene

Concen: 8.105 ppbv

RT: 12.918 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

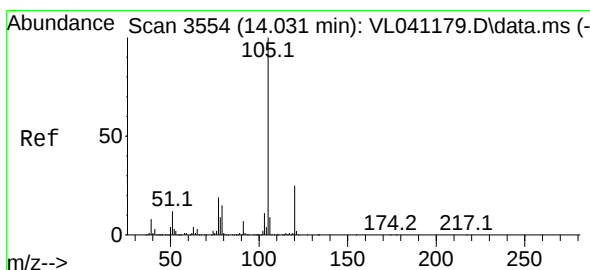
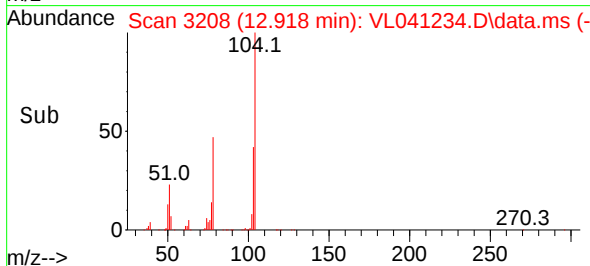
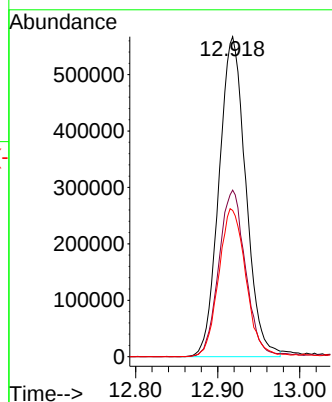
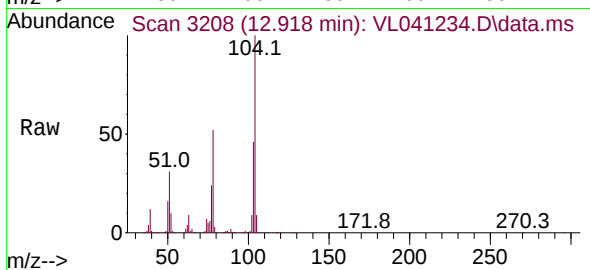
Tgt Ion:104 Resp: 1285848

Ion Ratio Lower Upper

104 100

78 52.8 42.6 63.8

103 47.5 38.4 57.6



#62

Isopropylbenzene

Concen: 7.906 ppbv

RT: 14.050 min Scan# 3560

Delta R.T. 0.000 min

Lab File: VL041234.D

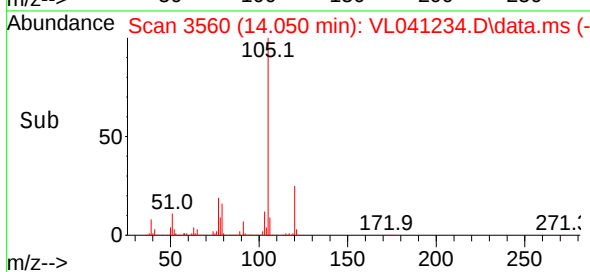
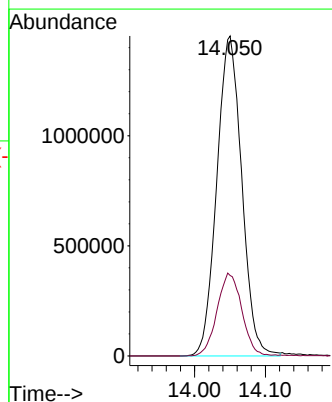
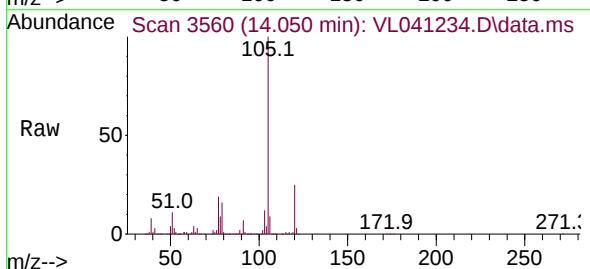
Acq: 8 May 2024 8:34

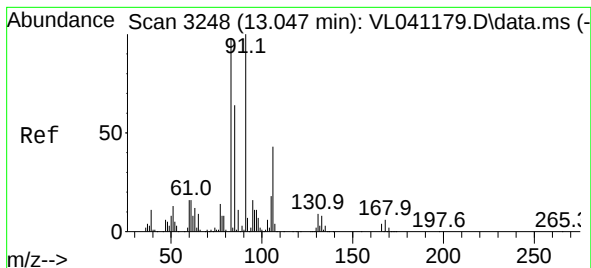
Tgt Ion:105 Resp: 3551524

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.2

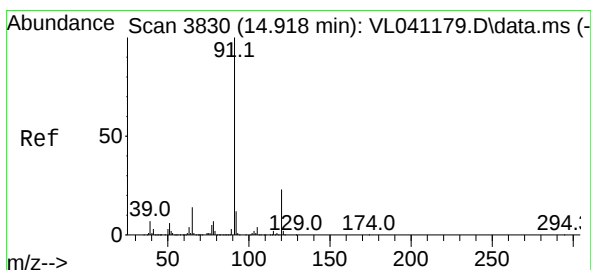
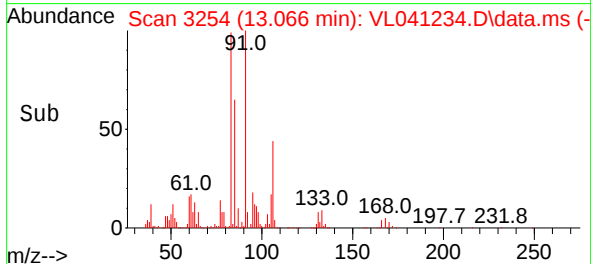
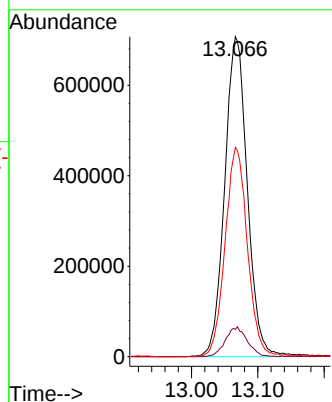
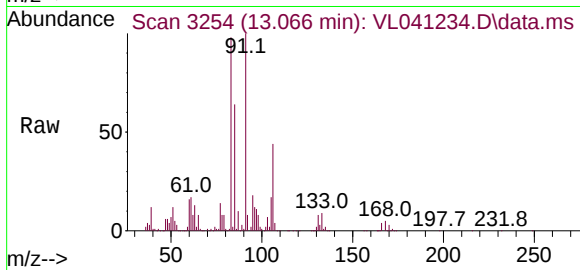




#63
1,1,2,2-Tetrachloroethane
Concen: 8.145 ppbv
RT: 13.066 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

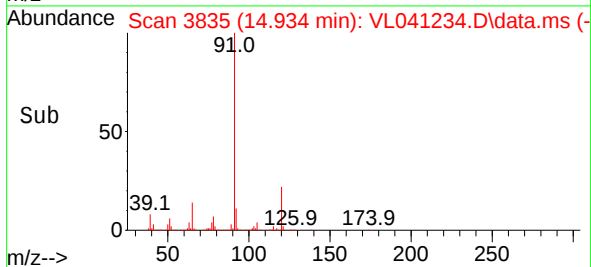
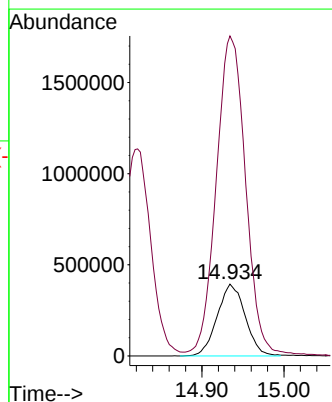
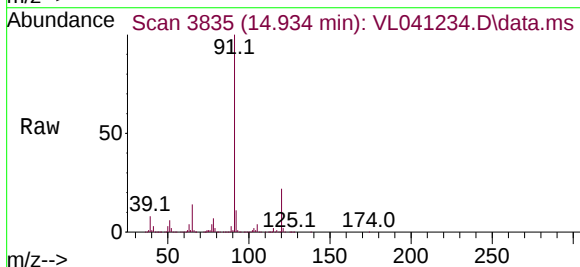
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

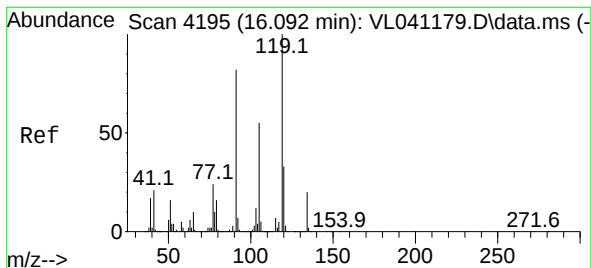
Tgt Ion: 83 Resp: 1667294
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 65.4 32.7 98.1



#64
n-propylbenzene
Concen: 8.352 ppbv
RT: 14.934 min Scan# 3835
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

Tgt Ion:120 Resp: 936020
Ion Ratio Lower Upper
120 100
91 469.7 384.8 577.2





#65

tert-Butylbenzene

Concen: 7.729 ppbv

RT: 16.108 min Scan# 4195

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

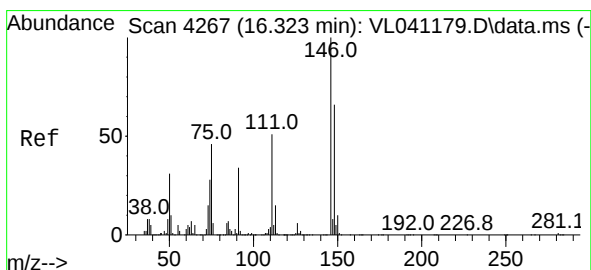
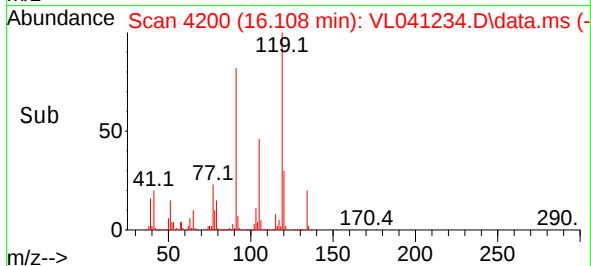
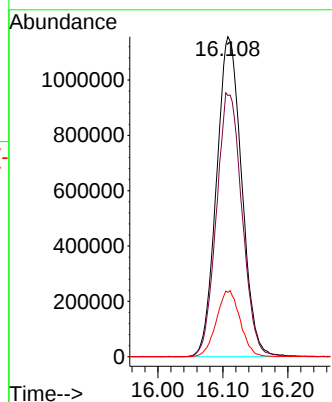
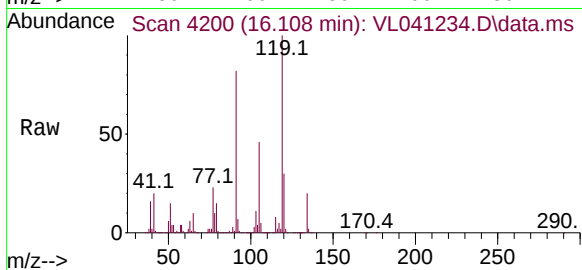
Tgt Ion:119 Resp: 3109712

Ion Ratio Lower Upper

119 100

91 83.9 67.0 100.4

134 19.6 15.2 22.8



#66

Benzyl Chloride

Concen: 5.523 ppbv

RT: 16.349 min Scan# 4275

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

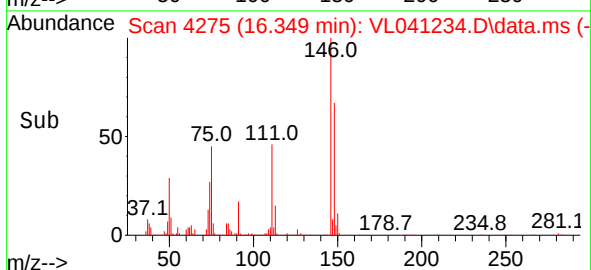
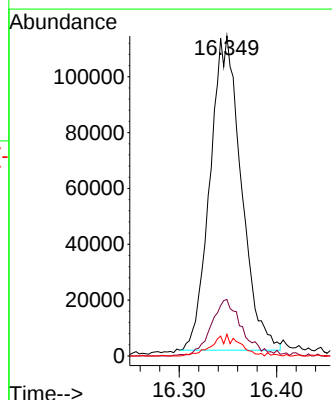
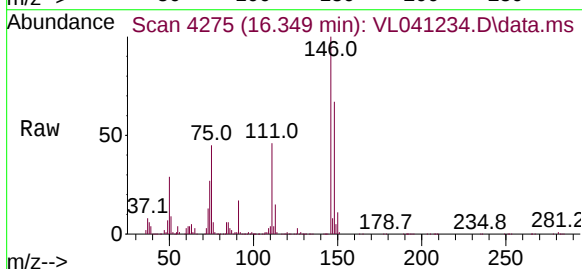
Tgt Ion: 91 Resp: 251540

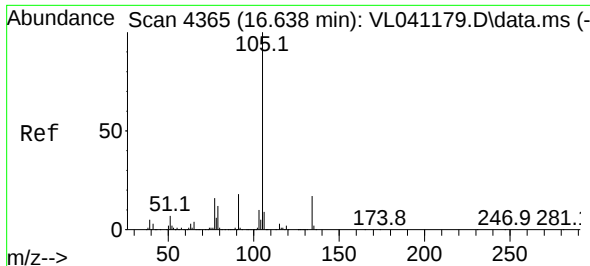
Ion Ratio Lower Upper

91 100

126 18.4 14.6 21.8

128 6.2 4.7 7.1





#67

sec-Butylbenzene

Concen: 7.826 ppbv

RT: 16.651 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_1

ClientSampleId :

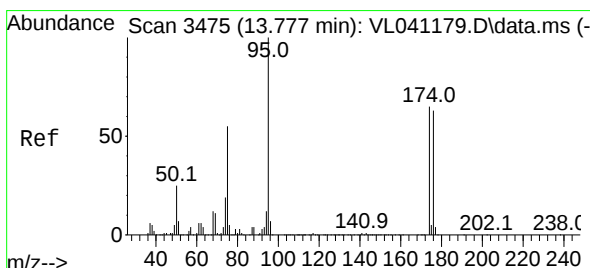
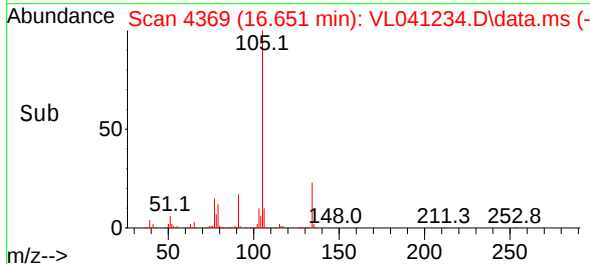
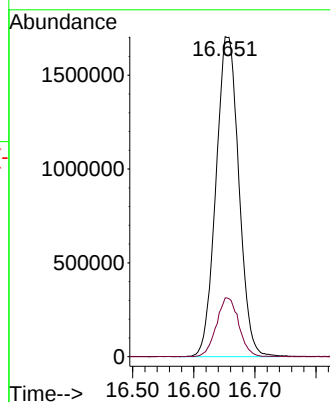
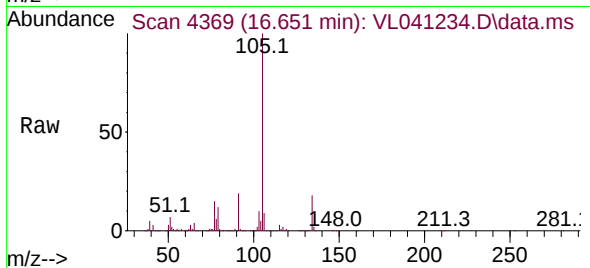
VSTDCCC010

Tgt Ion:105 Resp: 4432478

Ion Ratio Lower Upper

105 100

134 18.0 13.8 20.8



#68

1-Bromo-4-Fluorobenzene

Concen: 8.152 ppbv

RT: 13.796 min Scan# 3481

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

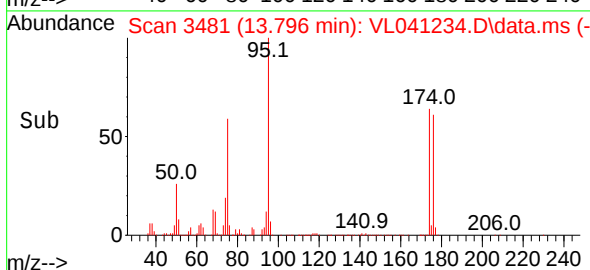
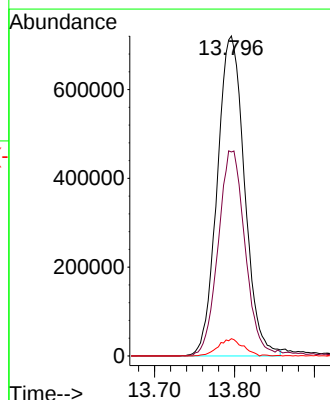
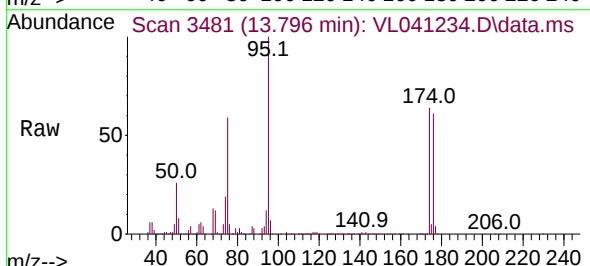
Tgt Ion: 95 Resp: 1711049

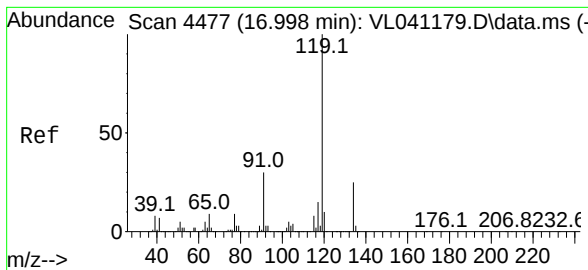
Ion Ratio Lower Upper

95 100

174 64.1 53.6 80.4

175 5.0 4.2 6.4

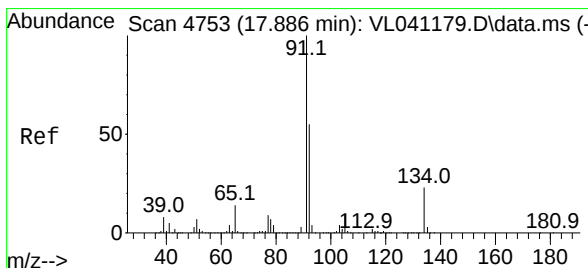
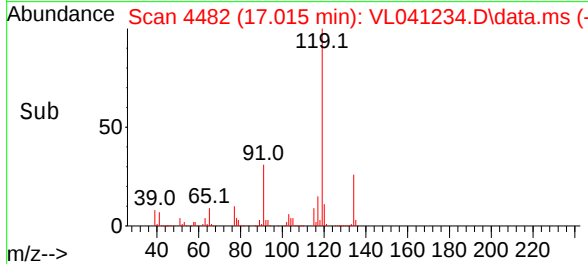
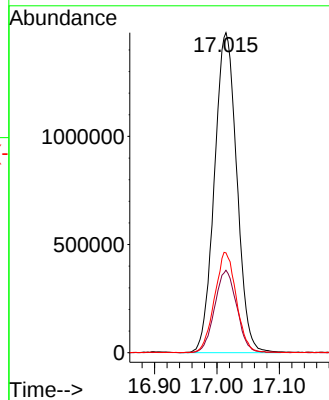
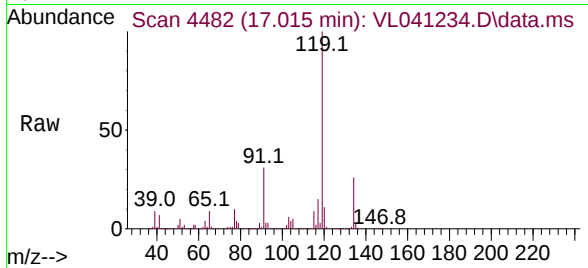




#69
p-Isopropyltoluene
Concen: 7.895 ppbv
RT: 17.015 min Scan# 4477
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

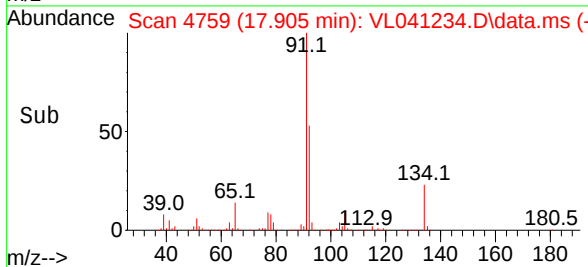
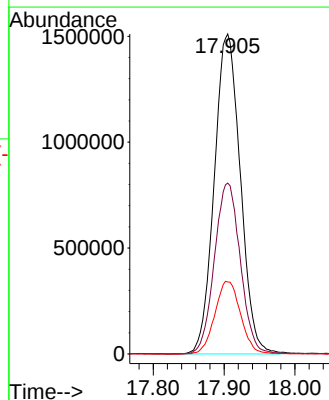
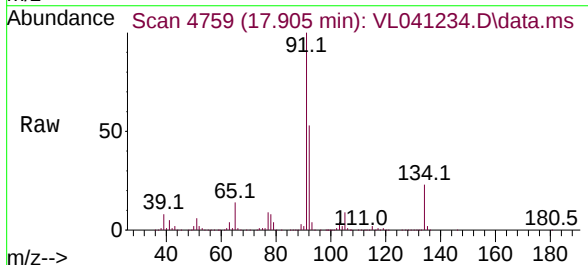
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

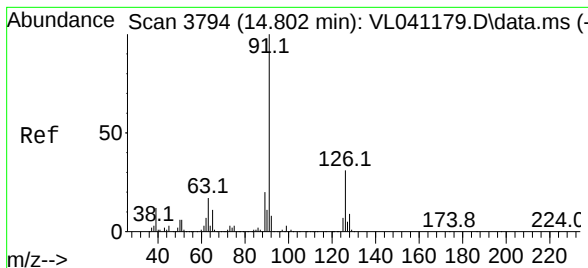
Tgt Ion:119 Resp: 3685030
Ion Ratio Lower Upper
119 100
134 25.5 20.1 30.1
91 30.5 24.2 36.2



#70
n-Butylbenzene
Concen: 7.915 ppbv
RT: 17.905 min Scan# 4759
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

Tgt Ion: 91 Resp: 3858231
Ion Ratio Lower Upper
91 100
92 53.3 43.3 64.9
134 22.5 17.8 26.8

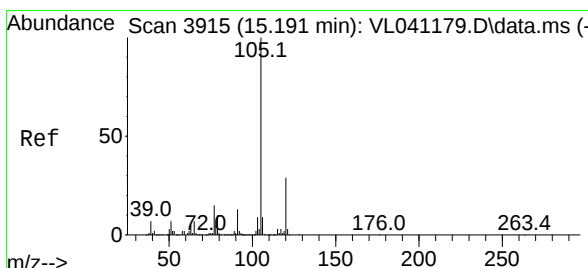
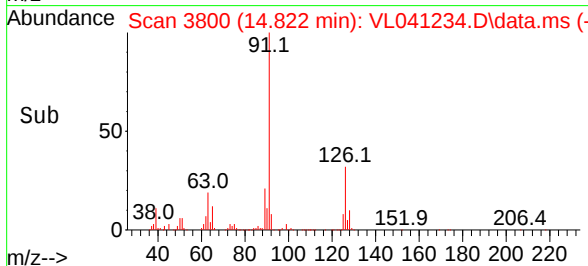
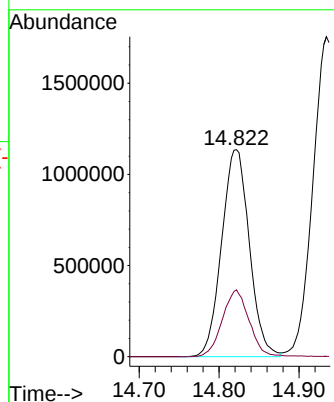
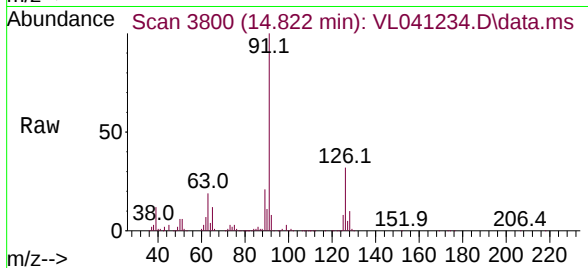




#71
2-Chlorotoluene
Concen: 7.985 ppbv
RT: 14.822 min Scan# 3794
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

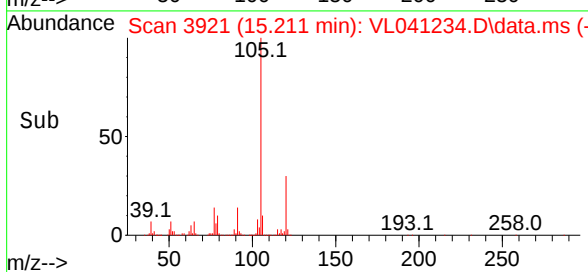
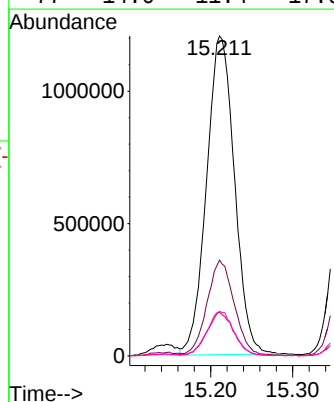
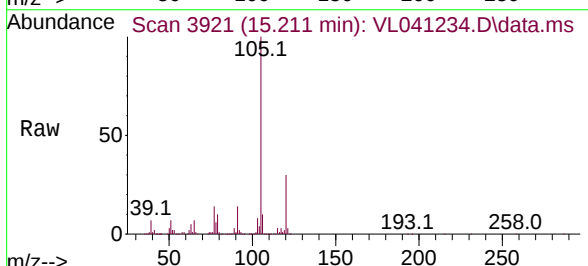
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

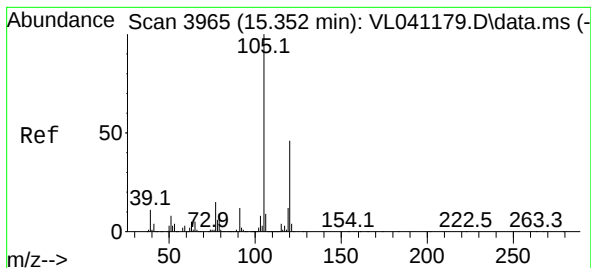
Tgt Ion: 91 Resp: 2731115
Ion Ratio Lower Upper
91 100
126 31.7 12.2 48.8



#72
4-Ethyltoluene
Concen: 8.385 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.000 min
Lab File: VL041234.D
Acq: 8 May 2024 8:34

Tgt Ion:105 Resp: 2852375
Ion Ratio Lower Upper
105 100
120 30.7 24.7 37.1
91 13.4 10.3 15.5
77 14.0 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 8.052 ppbv

RT: 15.371 min Scan# 3965

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_1

ClientSampleId :

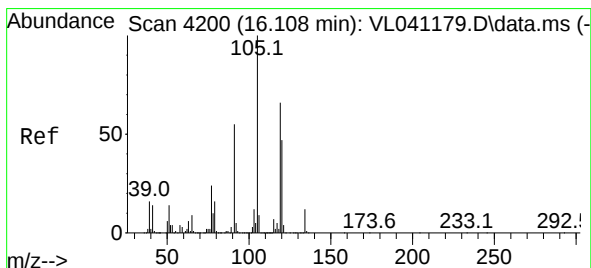
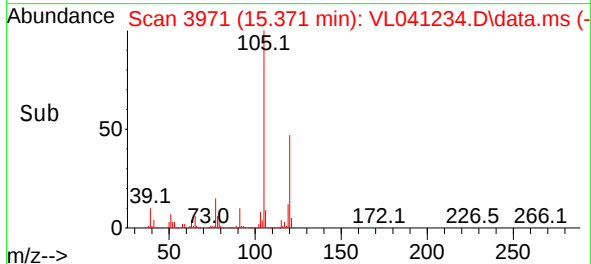
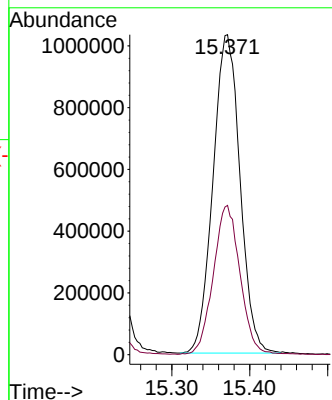
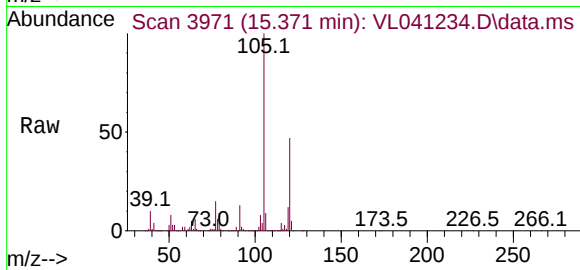
VSTDCCC010

Tgt Ion:105 Resp: 2478321

Ion Ratio Lower Upper

105 100

120 46.8 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 8.037 ppbv

RT: 16.127 min Scan# 4206

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Tgt Ion:105 Resp: 2701566

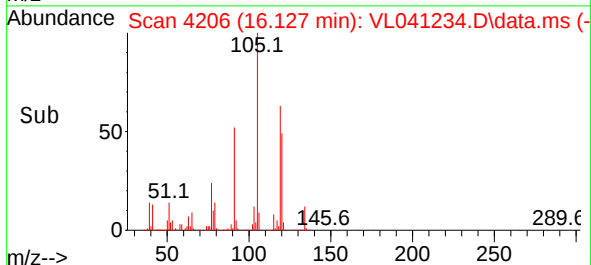
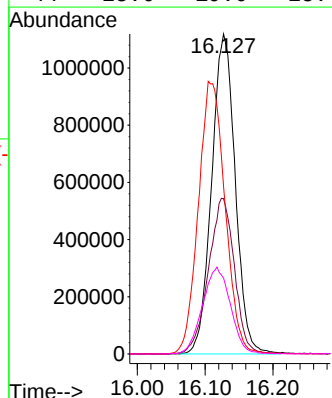
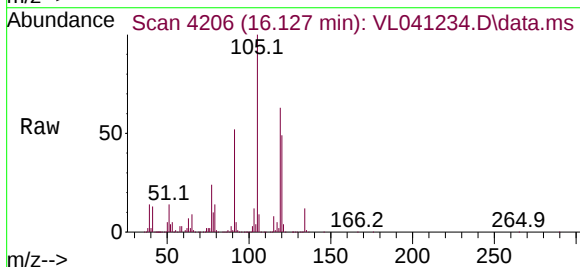
Ion Ratio Lower Upper

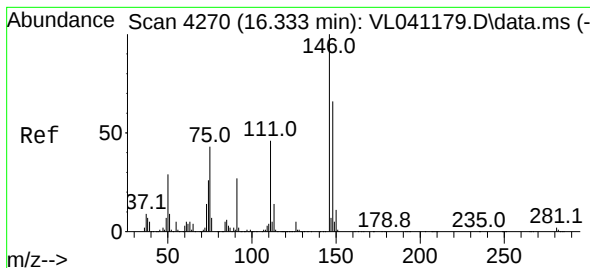
105 100

120 48.4 37.8 56.6

91 52.1 44.3 66.5

77 23.6 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 8.240 ppbv

RT: 16.349 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

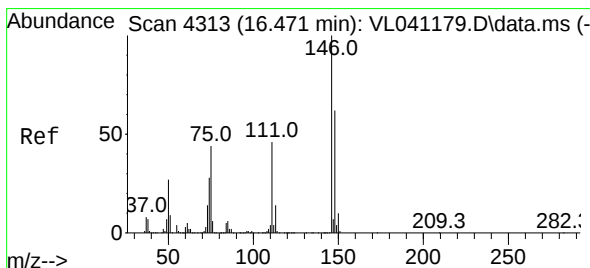
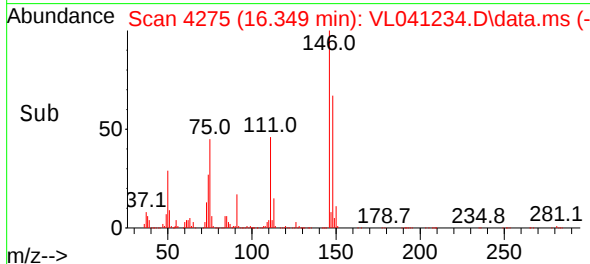
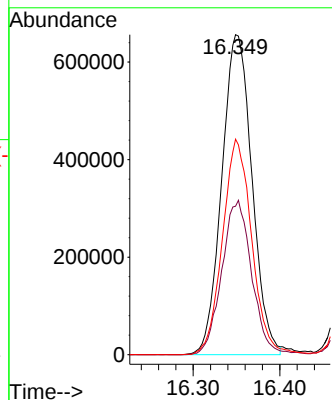
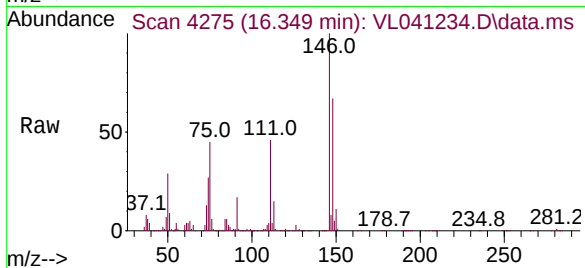
Tgt Ion:146 Resp: 1588354

Ion Ratio Lower Upper

146 100

111 47.8 23.7 71.1

148 65.5 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 8.515 ppbv

RT: 16.494 min Scan# 4320

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

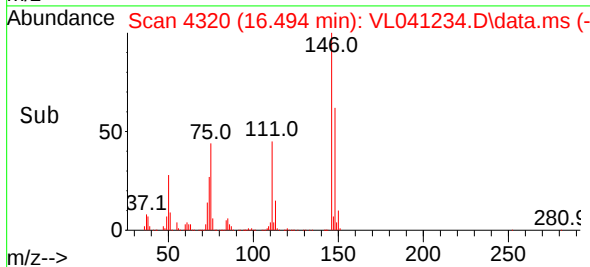
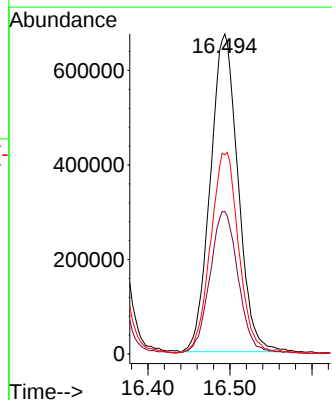
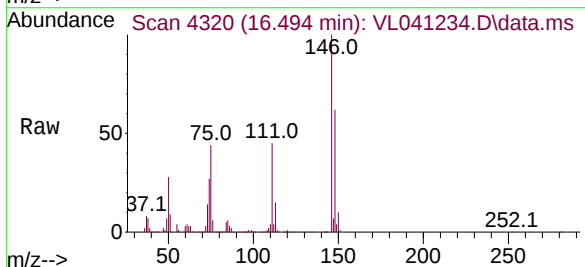
Tgt Ion:146 Resp: 1578449

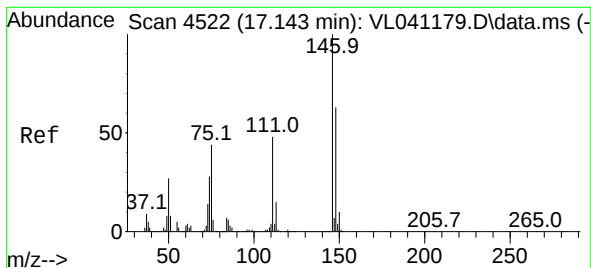
Ion Ratio Lower Upper

146 100

111 46.4 23.3 69.8

148 65.3 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 8.169 ppbv

RT: 17.162 min Scan# 4522

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

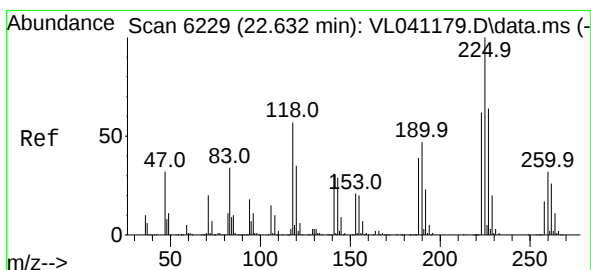
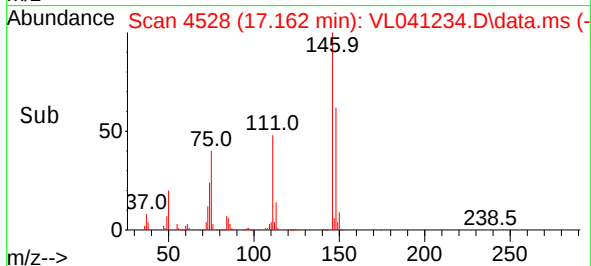
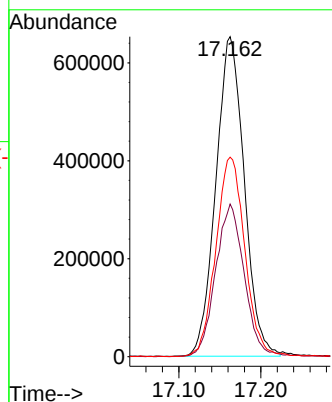
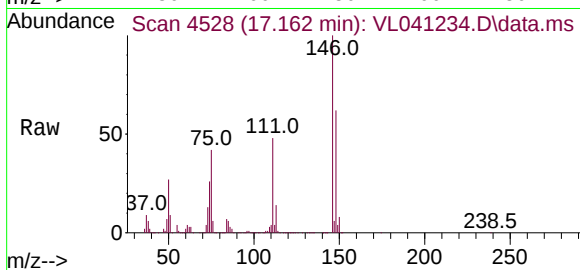
Tgt Ion:146 Resp: 1573959

Ion Ratio Lower Upper

146 100

111 48.2 24.5 73.5

148 63.8 32.6 98.0



#78

Hexachloro-1,3-Butadiene

Concen: 6.533 ppbv

RT: 22.657 min Scan# 6237

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

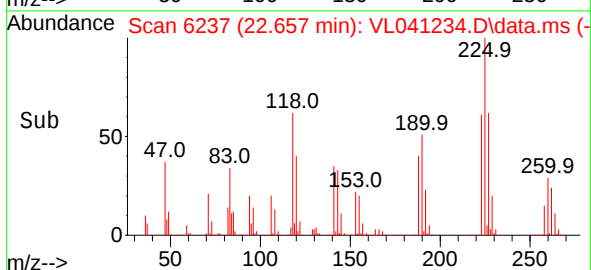
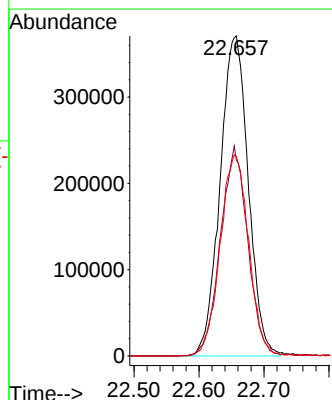
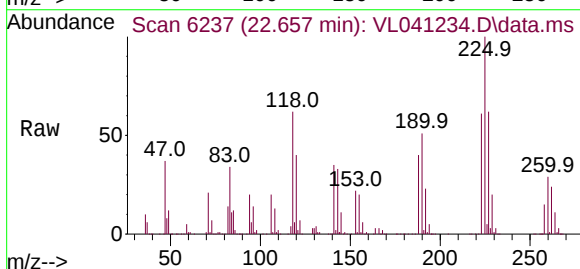
Tgt Ion:225 Resp: 1118686

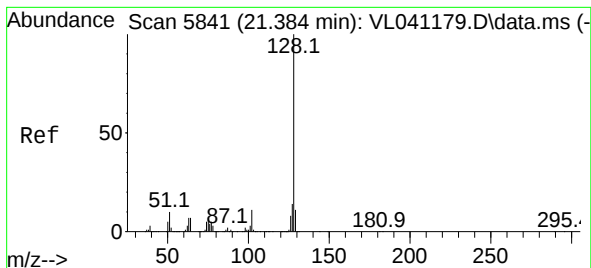
Ion Ratio Lower Upper

225 100

223 63.8 50.9 76.3

227 63.5 52.0 78.0





#79

Naphthalene

Concen: 8.533 ppbv

RT: 21.403 min Scan# 5847

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

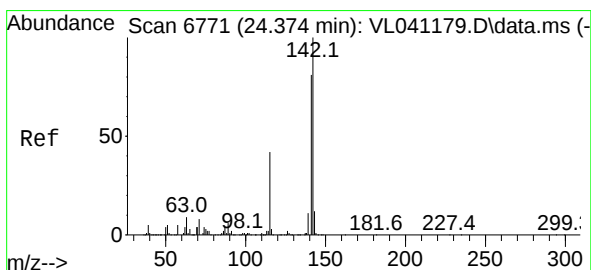
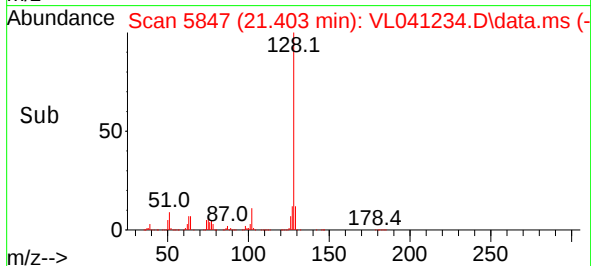
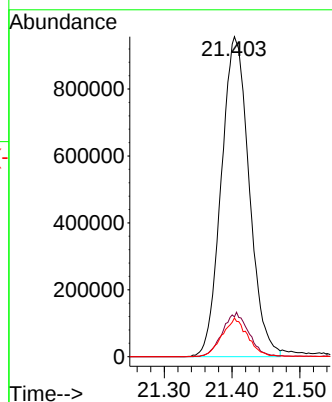
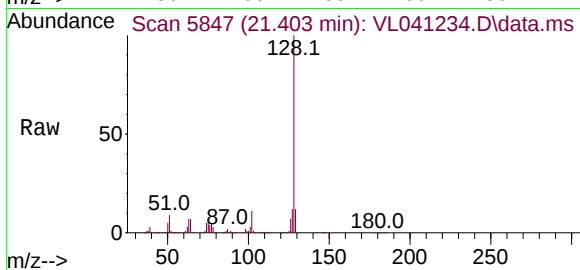
Tgt Ion:128 Resp: 2731332

Ion Ratio Lower Upper

128 100

127 12.4 10.8 16.2

129 12.1 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 5.092 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

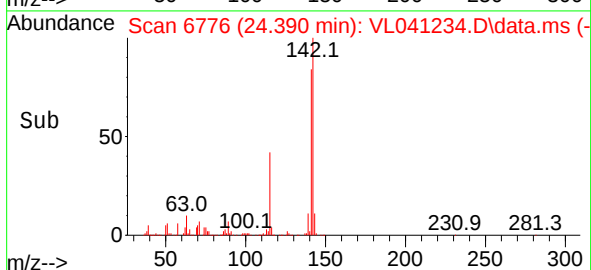
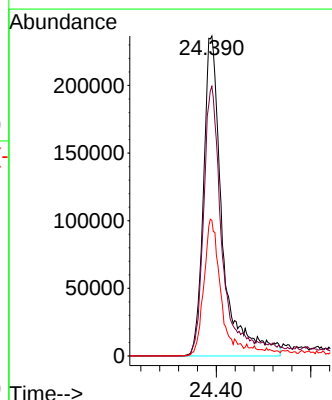
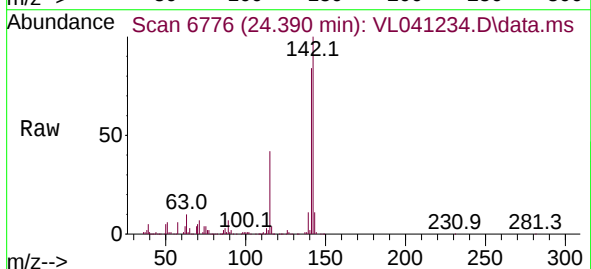
Tgt Ion:142 Resp: 655734

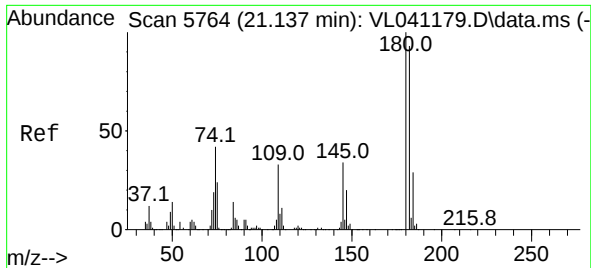
Ion Ratio Lower Upper

142 100

141 86.0 67.9 101.9

115 40.0 31.4 47.0





#81

1,2,4-Trichlorobenzene

Concen: 7.824 ppbv

RT: 21.165 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL041234.D

Acq: 8 May 2024 8:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 1322440

Ion Ratio Lower Upper

180 100

182 95.6 77.2 115.8

184 30.2 24.6 36.8

