

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041121.D
 Acq On : 4 Apr 2024 10:07
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Apr 05 04:15:56 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Fri Apr 05 04:13:19 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.217	49	1479754	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.680	114	3830680	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	3633674	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.812	95	2841341	9.760	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	516367	2.034	ppbv	100
3) Chlorodifluoromethane	2.680	51	485978	2.132	ppbv	97
4) Chloromethane	2.819	50	186683	2.164	ppbv	96
5) Vinyl Chloride	2.928	62	185325	2.248	ppbv	95
6) Bromomethane	3.131	94	66311	2.114	ppbv	89
7) Chloroethane	3.211	64	64416	2.146	ppbv	97
8) Dichlorotetrafluoroethane	2.864	85	451207	2.090	ppbv	95
9) Propene	2.700	41	158070	2.180	ppbv	96
10) Heptane	7.613	43	372517	2.164	ppbv	98
11) Trichlorofluoromethane	3.578	101	485902	2.117	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.082	101	357717	2.153	ppbv	99
13) Ethanol	3.262	45	20119	1.191	ppbv #	29
14) Bromoethene	3.378	108	134856	2.061	ppbv #	93
15) Acetone	3.488	43	355302	2.218	ppbv	98
16) 1,3-Butadiene	2.996	39	167622	2.131	ppbv	94
17) tert-Butyl alcohol	3.896	59	312203	2.147	ppbv	99
18) 1,1-Dichloroethene	3.899	96	151085	2.130	ppbv	94
19) Isopropyl Alcohol	3.597	45	207129	2.104	ppbv	98
20) Methylene Chloride	3.951	84	133970	2.027	ppbv	91
21) Allyl Chloride	4.015	41	207093	2.121	ppbv	99
22) trans-1,2-Dichloroethene	4.465	96	153178	2.071	ppbv	94
23) Vinyl Acetate	4.648	43	350578	2.109	ppbv #	96
24) 1,1-Dichloroethane	4.584	63	322182	2.163	ppbv	98
25) Ethyl Acetate	5.230	43	666392	2.215	ppbv	99
26) Hexane	5.237	57	302451	2.240	ppbv	98
27) Carbon Disulfide	4.143	76	358031	2.184	ppbv	99
28) Methyl tert-Butyl Ether	4.610	73	230657	2.264	ppbv	99
29) Chloroform	5.295	83	478511	2.102	ppbv	99
30) Cyclohexane	6.632	84	120081	1.106	ppbv #	8
31) cis-1,2-Dichloroethene	5.102	61	280881	2.198	ppbv	95
32) 1,1,1-Trichloroethane	6.031	97	477269	2.268	ppbv	99
34) 2-Butanone	4.812	43	346983	2.097	ppbv	98
35) Carbon Tetrachloride	6.520	117	490992	2.246	ppbv	97
36) Benzene	6.401	78	606338	2.158	ppbv	98
37) 1,2-Dichloroethane	5.832	62	352640	2.088	ppbv	100
38) Trichloroethene	7.320	130	218036	2.138	ppbv	97
39) 1,2-Dichloropropane	7.098	63	137893	1.236	ppbv	96
40) 1,4-Dioxane	7.336	88	72366	1.893	ppbv #	1
41) Tetrahydrofuran	5.587	42	230792	2.181	ppbv	99
42) Bromodichloromethane	7.278	83	522696	2.166	ppbv	98
43) Methyl Methacrylate	7.503	69	141852	1.453	ppbv #	1
44) 2,2,4-Trimethylpentane	7.356	57	1039313	2.232	ppbv	100
45) t-1,3-Dichloropropene	8.741	75	126972	2.018	ppbv	95

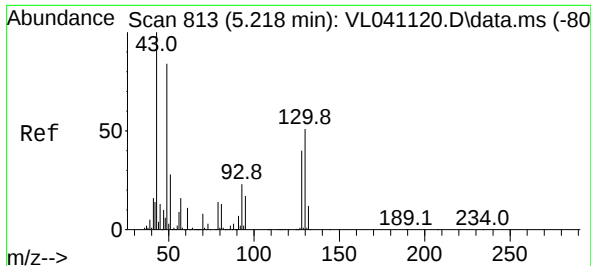
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041121.D
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Quant Time: Apr 05 04:15:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 05 04:13:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.172	75	162555	2.030	ppbv	96
47) 1,1,2-Trichloroethane	8.928	97	151924	1.267	ppbv	95
48) Dibromochloromethane	9.745	129	400397	2.104	ppbv	98
49) Bromoform	12.442	173	322203	2.136	ppbv	99
50) 4-Methyl-2-Pentanone	8.220	43	618053	2.177	ppbv	100
51) 2-Hexanone	9.597	43	430763	2.188	ppbv #	100
52) Tetrachloroethene	10.651	164	196457	2.181	ppbv	97
53) Toluene	9.253	91	653702	2.199	ppbv	98
54) 1,2-Dibromoethane	10.040	107	330691	2.213	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.542	131	314830	2.118	ppbv #	1
57) Chlorobenzene	11.558	112	518854	2.110	ppbv	99
58) Ethyl Benzene	12.124	91	869884	2.198	ppbv	97
59) m/p-Xylene	12.407	91	732499	2.048	ppbv #	26
60) o-Xylene	13.092	91	757370	2.226	ppbv	97
61) Styrene	12.934	104	322954	2.145	ppbv	97
62) Isopropylbenzene	14.063	105	1101011	2.180	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.085	83	580875	2.164	ppbv	100
64) n-propylbenzene	14.953	120	274321	2.170	ppbv	88
65) tert-Butylbenzene	16.127	119	984874	2.233	ppbv	96
66) Benzyl Chloride	16.365	91	34420	1.184	ppbv #	88
67) sec-Butylbenzene	16.674	105	1431601	2.251	ppbv	98
69) p-Isopropyltoluene	17.034	119	1128286	2.275	ppbv	98
70) n-Butylbenzene	17.921	91	1234287	2.285	ppbv	98
71) 2-Chlorotoluene	14.838	91	847772	2.192	ppbv	97
72) 4-Ethyltoluene	15.230	105	816714	2.176	ppbv	99
73) 1,3,5-Trimethylbenzene	15.387	105	732660	2.194	ppbv	99
74) 1,2,4-Trimethylbenzene	16.140	105	852802	2.217	ppbv #	91
75) 1,3-Dichlorobenzene	16.368	146	485446	2.175	ppbv	100
76) 1,4-Dichlorobenzene	16.513	146	458380	2.108	ppbv	98
77) 1,2-Dichlorobenzene	17.178	146	285218	1.315	ppbv #	46
78) Hexachloro-1,3-Butadiene	22.673	225	152552	1.059	ppbv #	18
79) Naphthalene	21.432	128	602941	2.495	ppbv	99
80) Naphthalene,2-methyl-	24.416	142	98868	2.334	ppbv	91
81) 1,2,4-Trichlorobenzene	21.181	180	181963	1.307	ppbv #	40

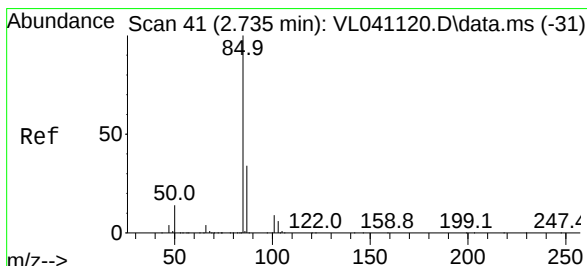
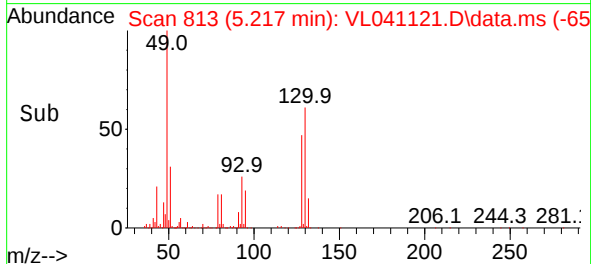
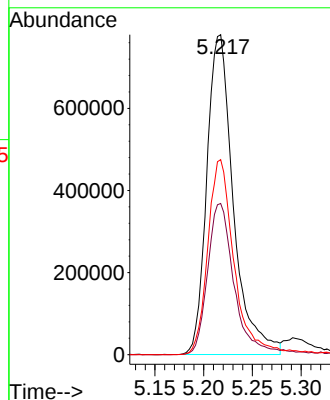
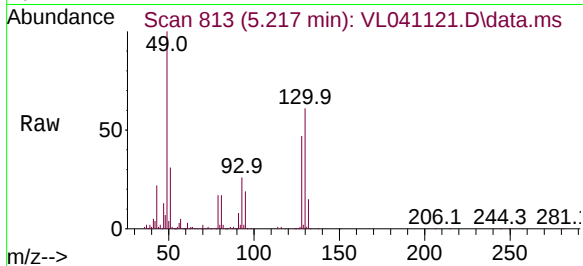
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.217 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

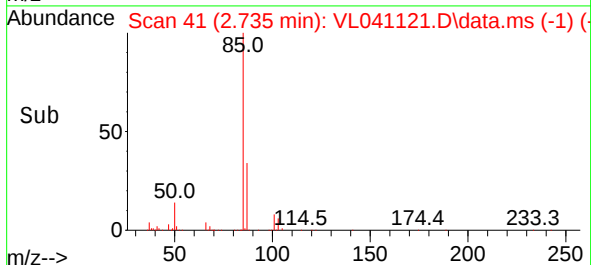
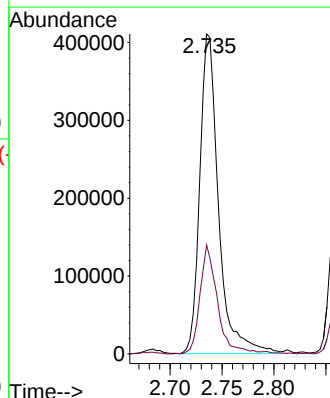
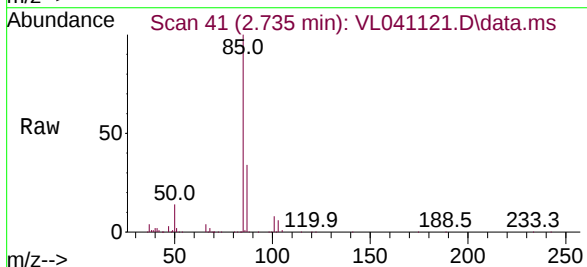
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

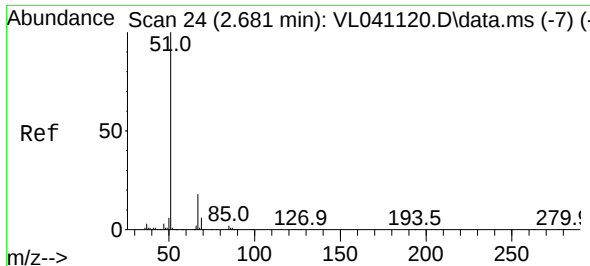
Tgt Ion: 49 Resp: 1479754
Ion Ratio Lower Upper
49 100
128 48.6 23.6 71.0
130 62.0 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 2.034 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 85 Resp: 516367
Ion Ratio Lower Upper
85 100
87 34.1 27.0 40.6

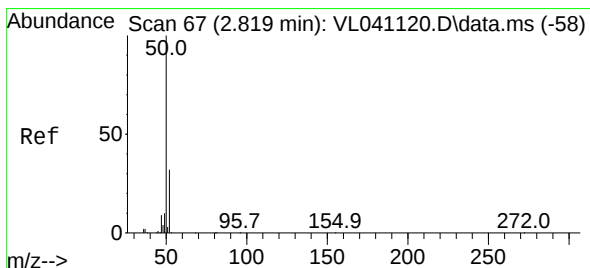
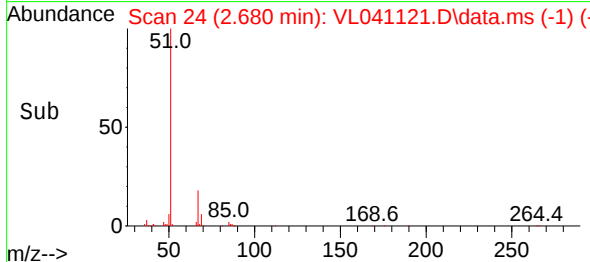
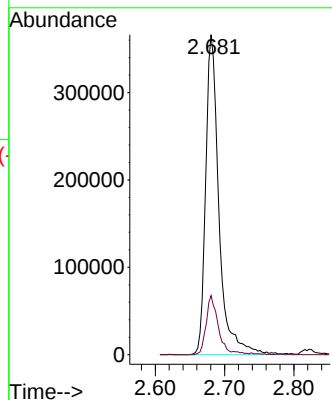
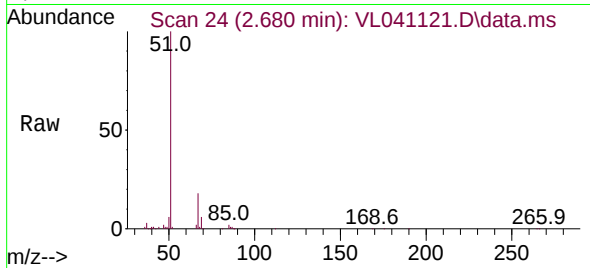




#3
Chlorodifluoromethane
Concen: 2.132 ppbv
RT: 2.680 min Scan# 24
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

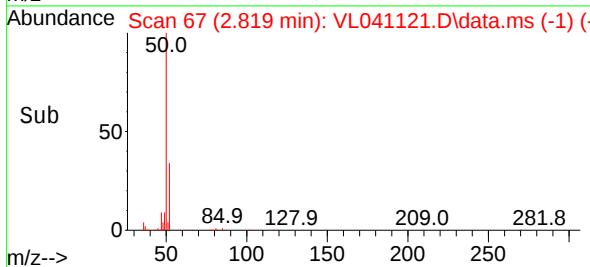
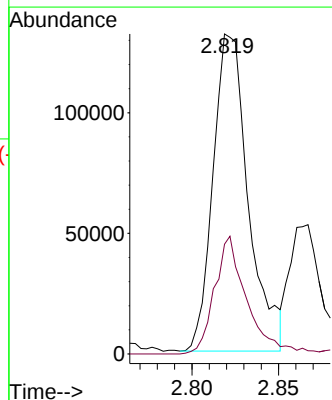
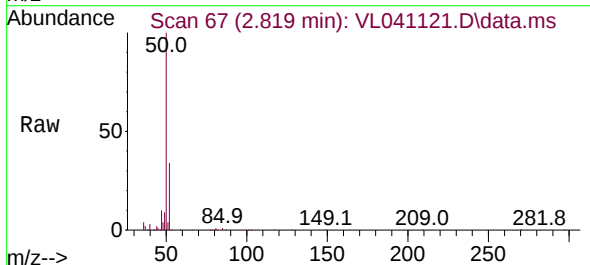
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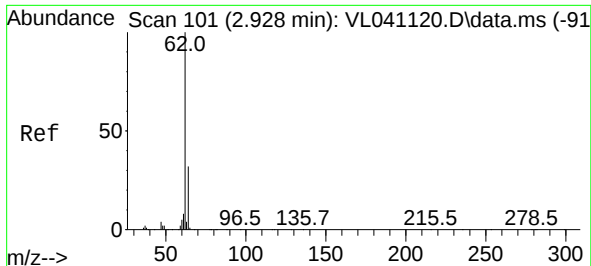
Tgt Ion: 51 Resp: 485978
Ion Ratio Lower Upper
51 100
67 17.5 14.9 22.3



#4
Chloromethane
Concen: 2.164 ppbv
RT: 2.819 min Scan# 67
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 50 Resp: 186683
Ion Ratio Lower Upper
50 100
52 34.6 26.0 39.0

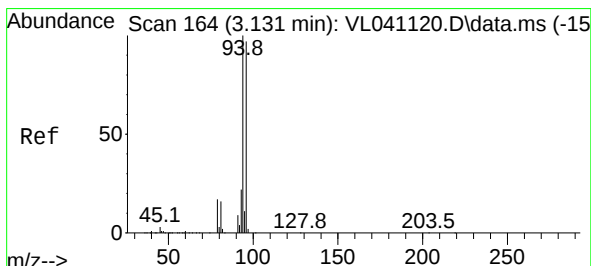
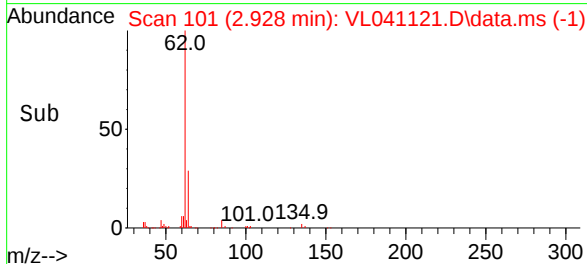
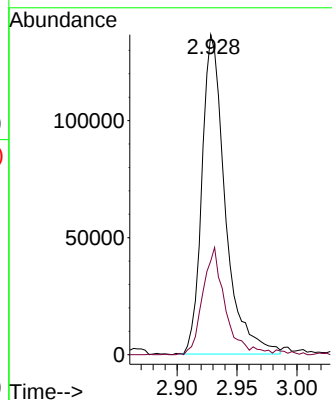
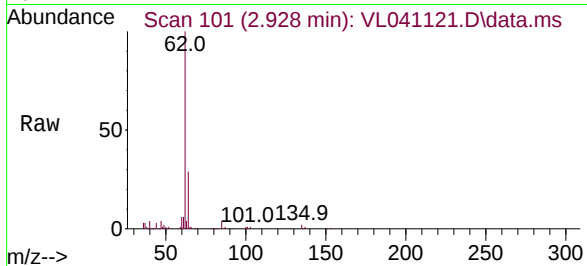




#5
 Vinyl Chloride
 Concen: 2.248 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

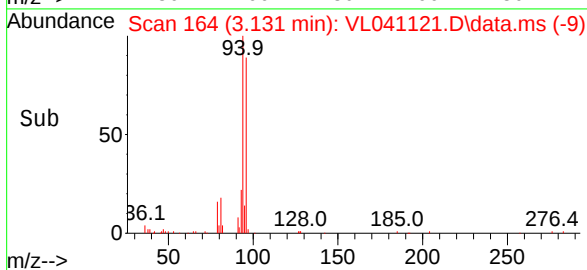
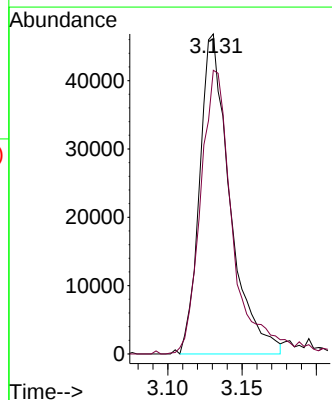
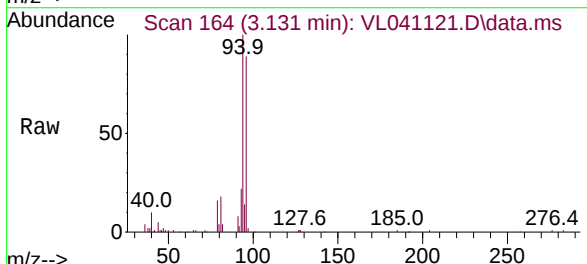
Instrument :
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 ClientSampleId :
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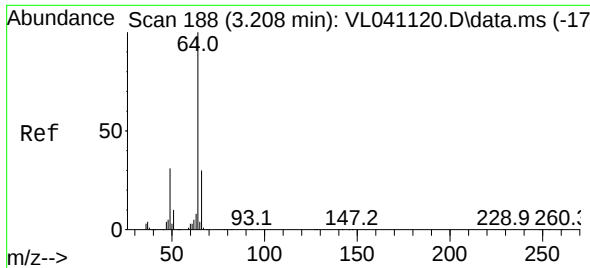
Tgt Ion: 62 Resp: 185325
 Ion Ratio Lower Upper
 62 100
 64 28.9 25.6 38.4



#6
 Bromomethane
 Concen: 2.114 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

Tgt Ion: 94 Resp: 66311
 Ion Ratio Lower Upper
 94 100
 96 86.7 77.9 116.9

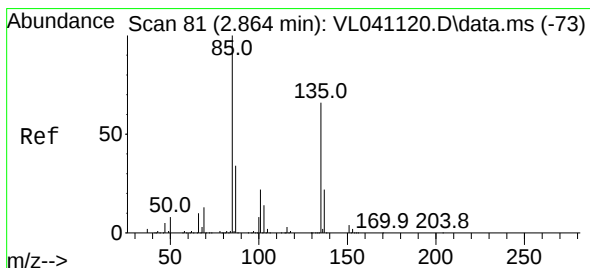
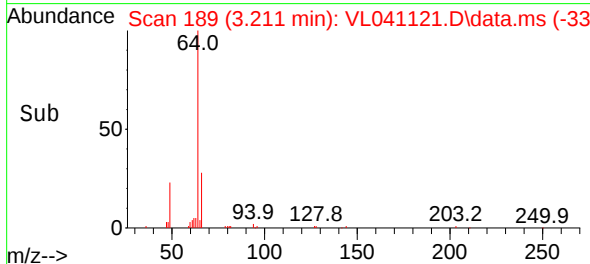
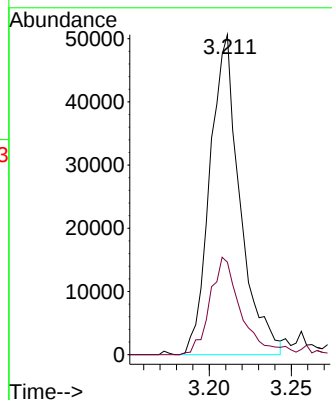
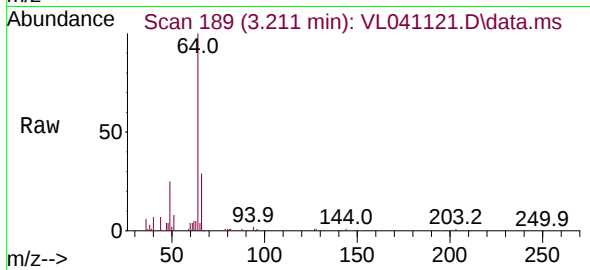




#7
Chloroethane
Concen: 2.146 ppbv
RT: 3.211 min Scan# 189
Delta R.T. 0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

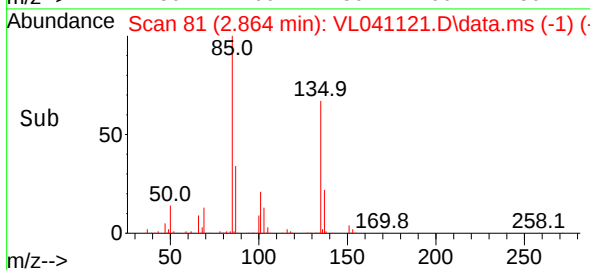
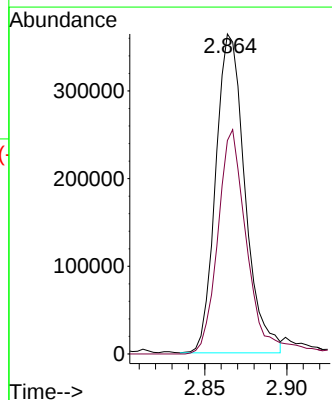
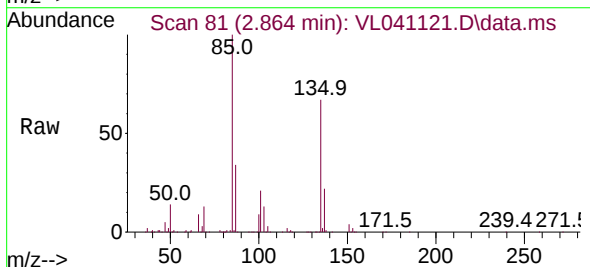
Instrument :
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ClientSampleId :
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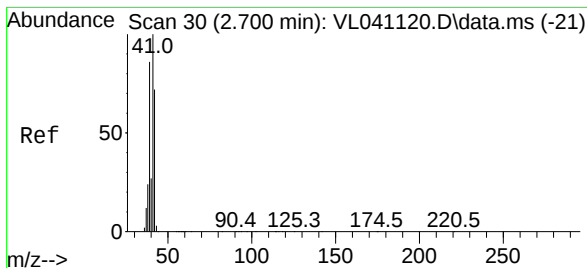
Tgt Ion: 64 Resp: 64416
Ion Ratio Lower Upper
64 100
66 28.9 24.2 36.4



#8
Dichlorotetrafluoroethane
Concen: 2.090 ppbv
RT: 2.864 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 85 Resp: 451207
Ion Ratio Lower Upper
85 100
135 72.0 54.2 81.2





#9

Propene

Concen: 2.180 ppbv

RT: 2.700 min Scan# 30

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

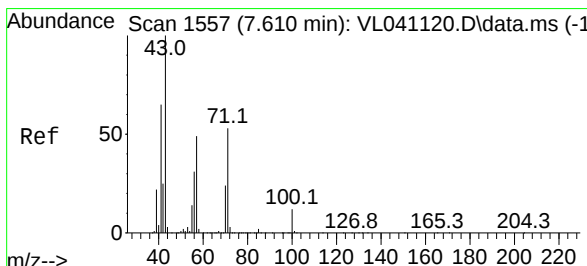
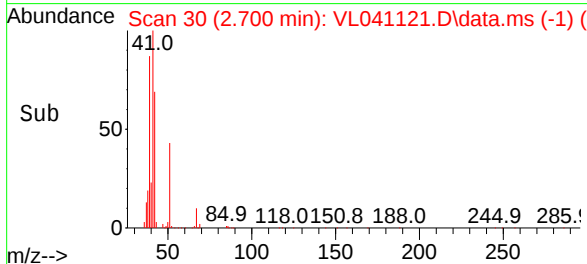
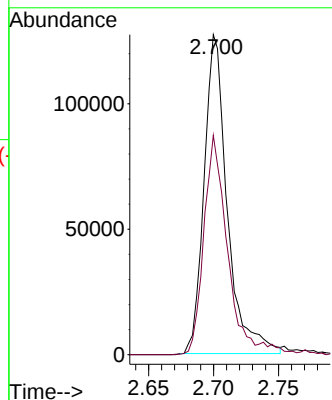
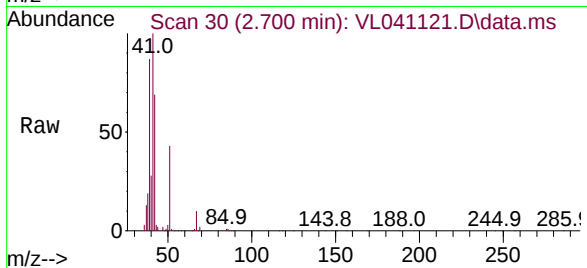
VSTDICC002

Tgt Ion: 41 Resp: 158070

Ion Ratio Lower Upper

41 100

42 71.9 60.1 90.1



#10

Heptane

Concen: 2.164 ppbv

RT: 7.613 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VL041121.D

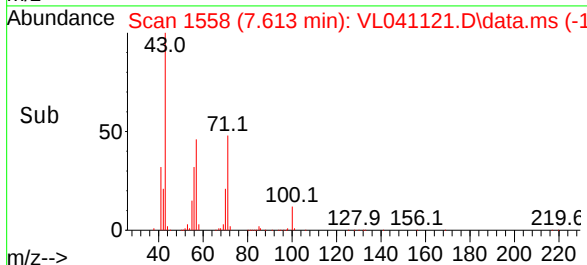
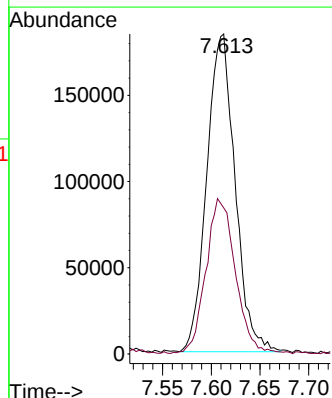
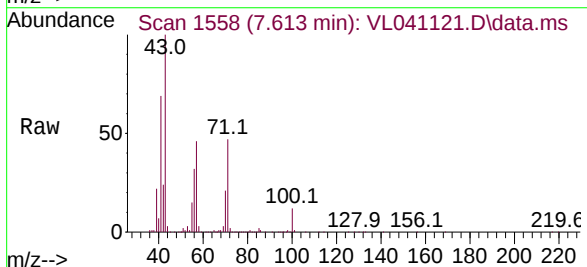
Acq: 4 Apr 2024 10:07

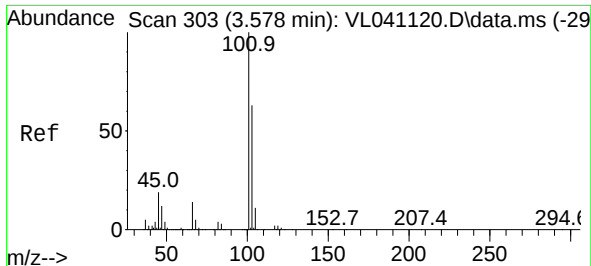
Tgt Ion: 43 Resp: 372517

Ion Ratio Lower Upper

43 100

57 51.4 39.9 59.9

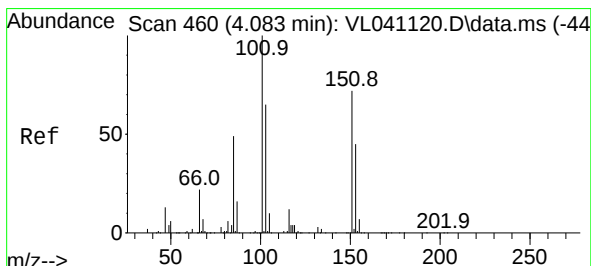
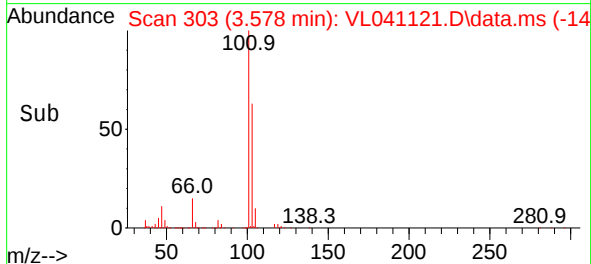
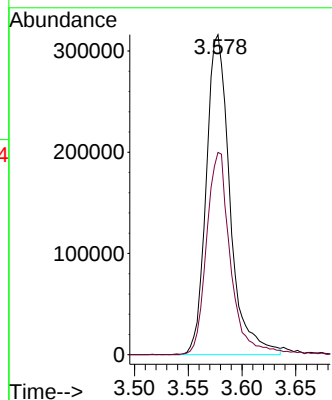
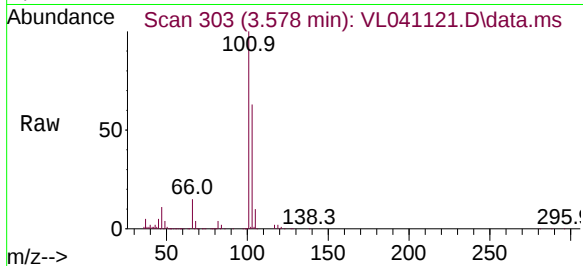




#11
 Trichlorofluoromethane
 Concen: 2.117 ppbv
 RT: 3.578 min Scan# 303
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

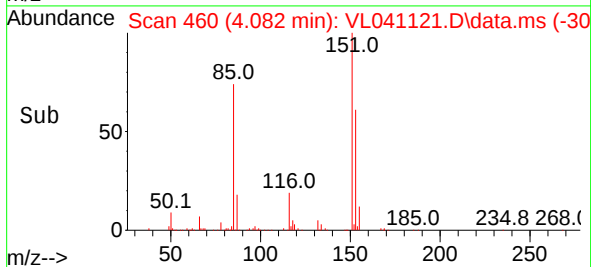
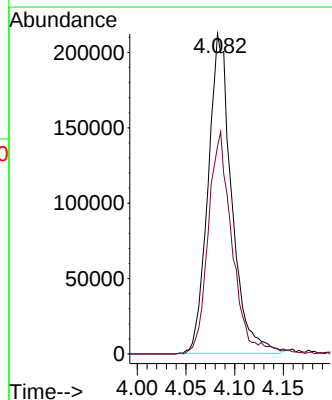
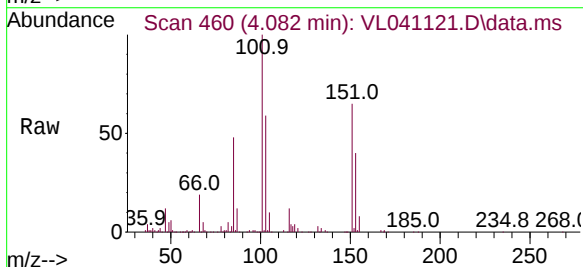
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

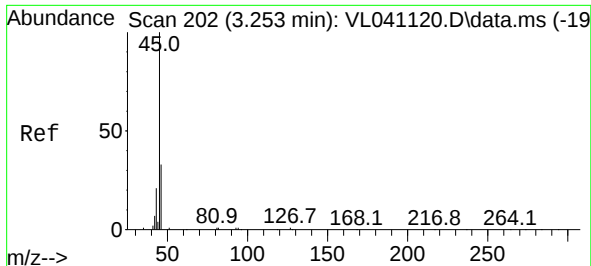
Tgt Ion:101 Resp: 485902
 Ion Ratio Lower Upper
 101 100
 103 63.1 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.153 ppbv
 RT: 4.082 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

Tgt Ion:101 Resp: 357717
 Ion Ratio Lower Upper
 101 100
 151 71.1 56.2 84.4





#13

Ethanol

Concen: 1.191 ppbv

RT: 3.262 min Scan# 20

Delta R.T. 0.009 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

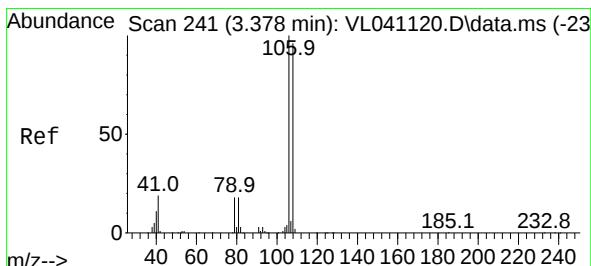
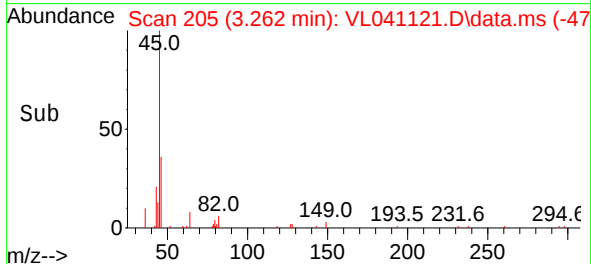
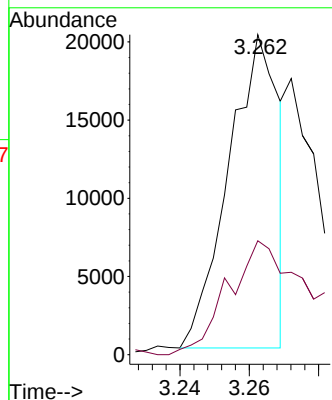
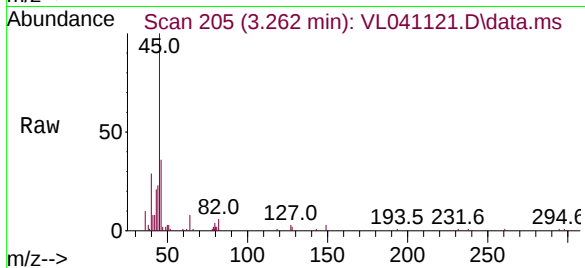
VSTDIC002

Tgt Ion: 45 Resp: 20119

Ion Ratio Lower Upper

45 100

46 79.8 15.0 59.8#



#14

Bromoethene

Concen: 2.061 ppbv

RT: 3.378 min Scan# 241

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

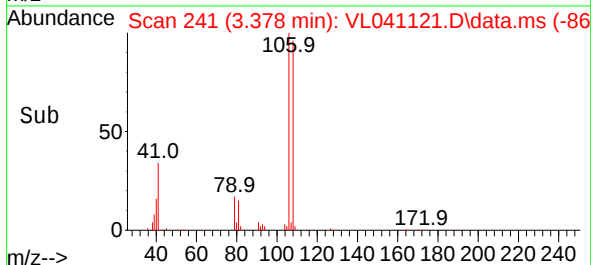
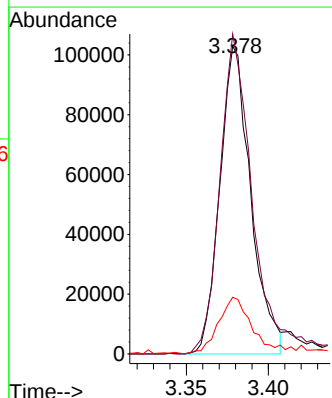
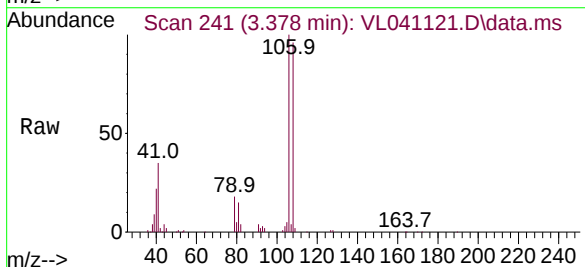
Tgt Ion:108 Resp: 134856

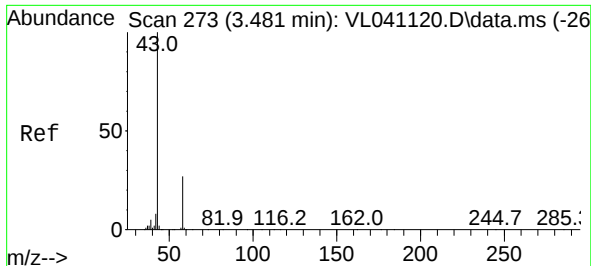
Ion Ratio Lower Upper

108 100

106 113.8 86.0 129.0

79 23.7 15.4 23.2#

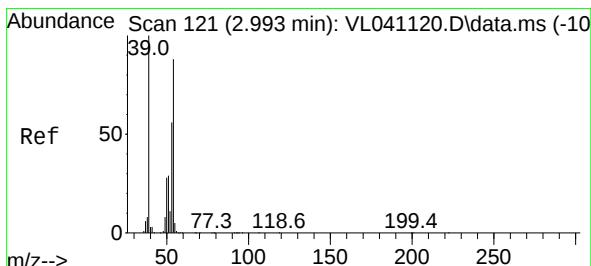
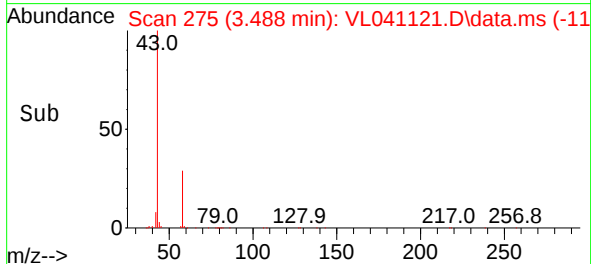
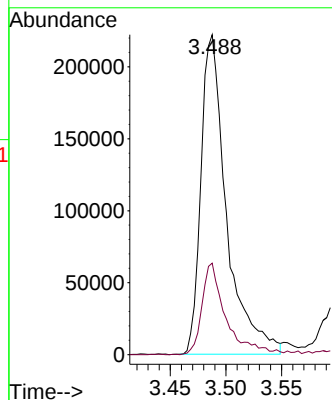
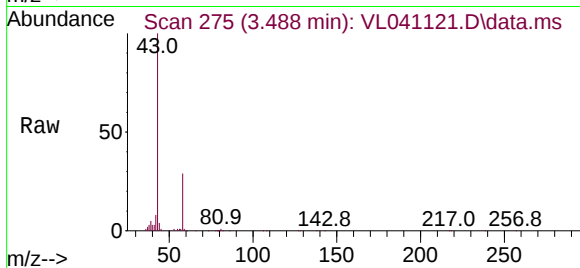




#15
Acetone
Concen: 2.218 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

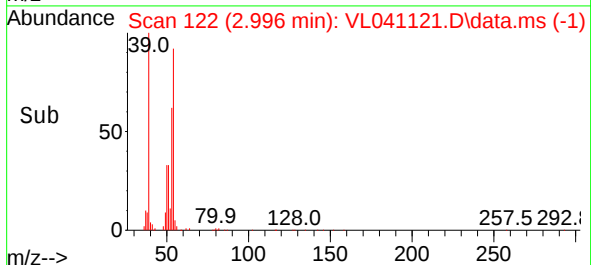
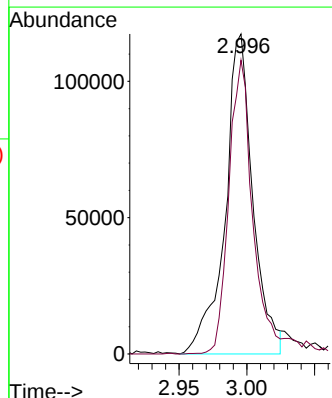
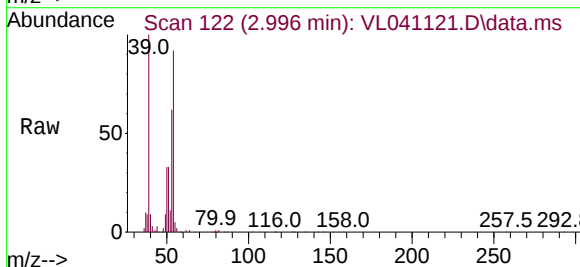
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

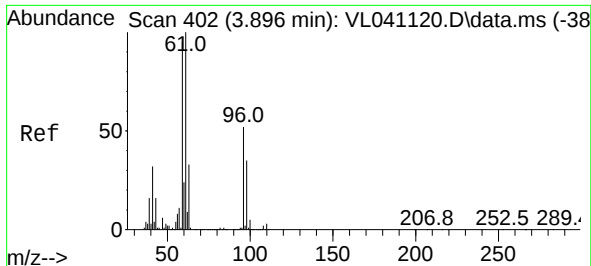
Tgt Ion: 43 Resp: 355302
Ion Ratio Lower Upper
43 100
58 27.3 21.1 31.7



#16
1,3-Butadiene
Concen: 2.131 ppbv
RT: 2.996 min Scan# 122
Delta R.T. 0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 39 Resp: 167622
Ion Ratio Lower Upper
39 100
54 84.3 63.5 95.3





#17

tert-Butyl alcohol

Concen: 2.147 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_1

ClientSampleId :

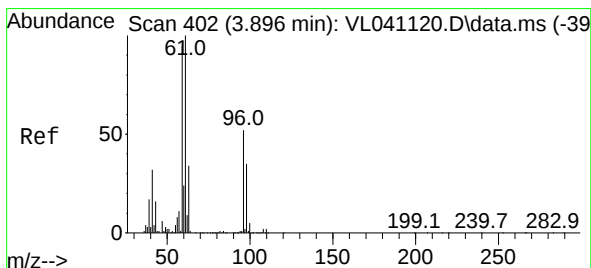
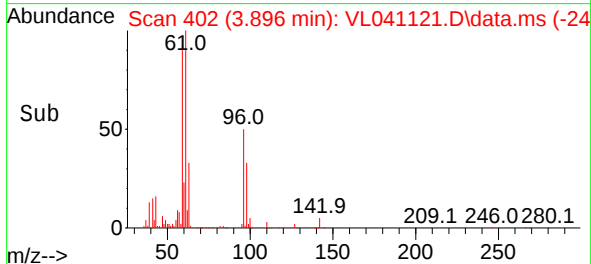
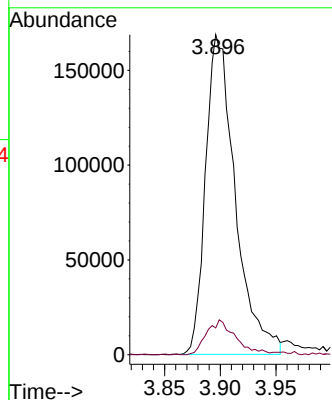
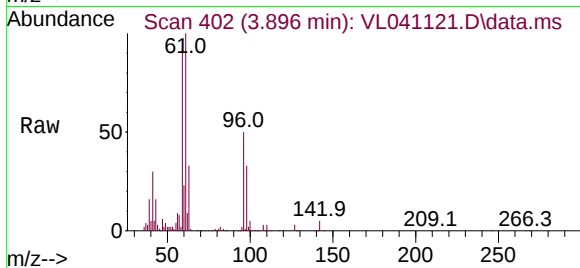
VSTDIC002

Tgt Ion: 59 Resp: 312203

Ion Ratio Lower Upper

59 100

57 11.3 8.7 13.1



#18

1,1-Dichloroethene

Concen: 2.130 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

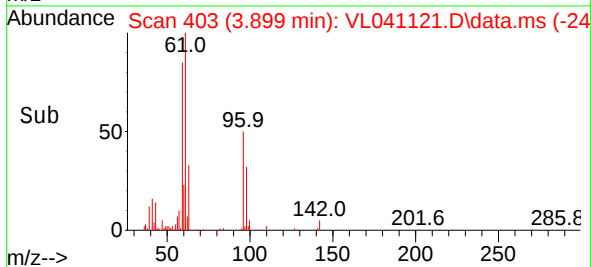
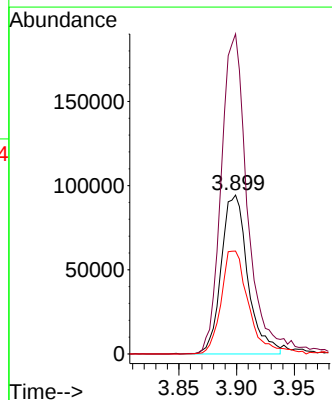
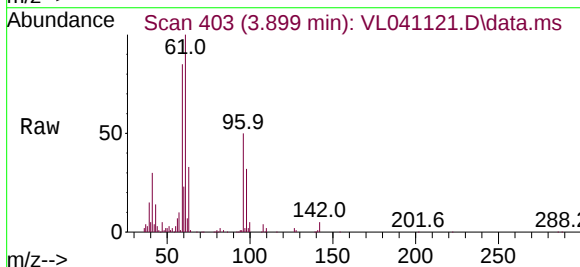
Tgt Ion: 96 Resp: 151085

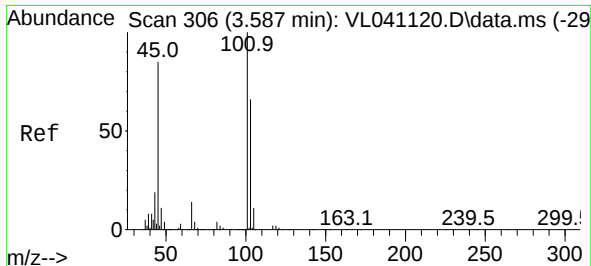
Ion Ratio Lower Upper

96 100

61 201.4 152.6 228.8

98 64.7 54.0 81.0





#19

Isopropyl Alcohol

Concen: 2.104 ppbv

RT: 3.597 min Scan# 306

Delta R.T. 0.009 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

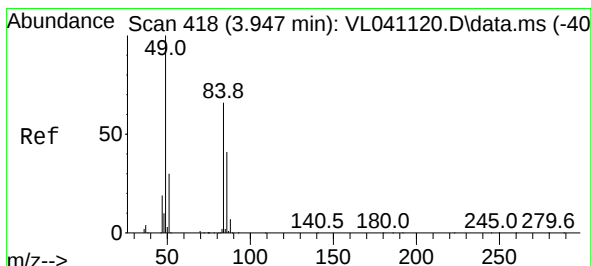
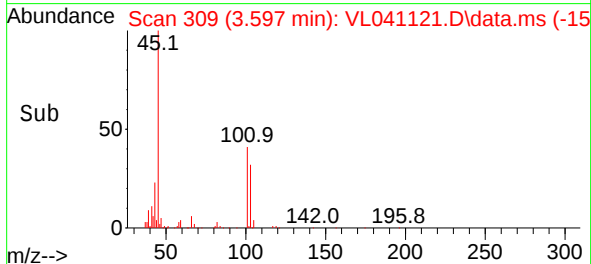
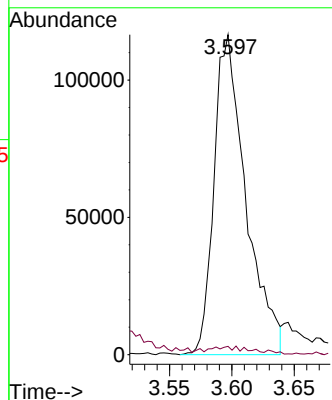
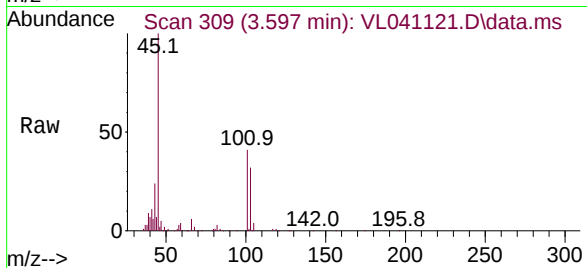
VSTDIC002

Tgt Ion: 45 Resp: 207129

Ion Ratio Lower Upper

45 100

58 4.1 2.8 4.2



#20

Methylene Chloride

Concen: 2.027 ppbv

RT: 3.951 min Scan# 419

Delta R.T. 0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Tgt Ion: 84 Resp: 133970

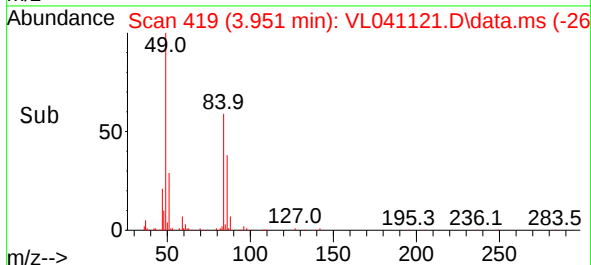
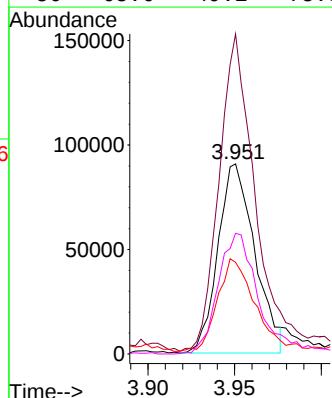
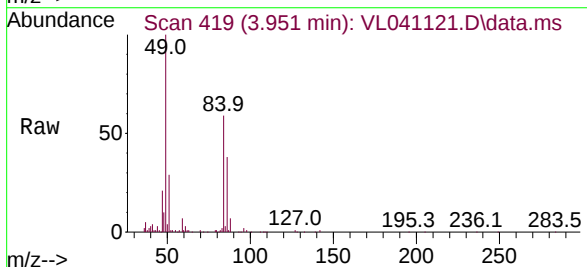
Ion Ratio Lower Upper

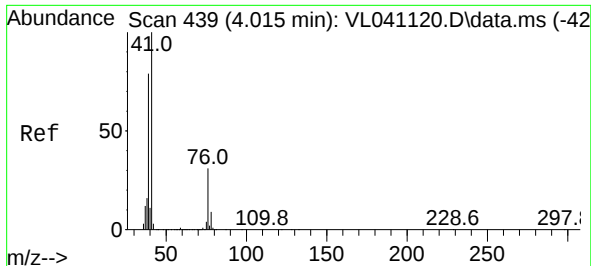
84 100

49 167.8 120.7 181.1

51 47.1 36.6 54.8

86 63.6 49.2 73.8

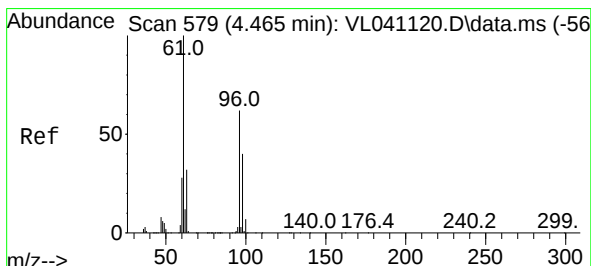
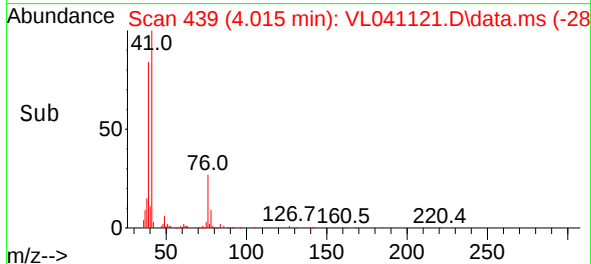
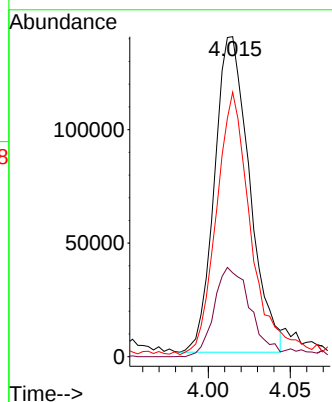
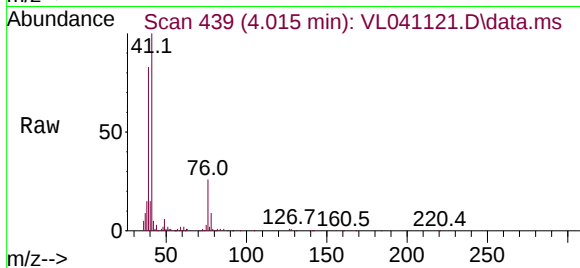




#21
Allyl Chloride
Concen: 2.121 ppbv
RT: 4.015 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

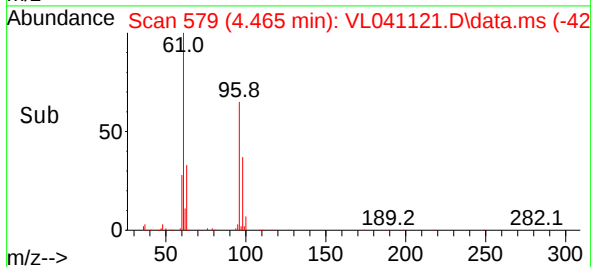
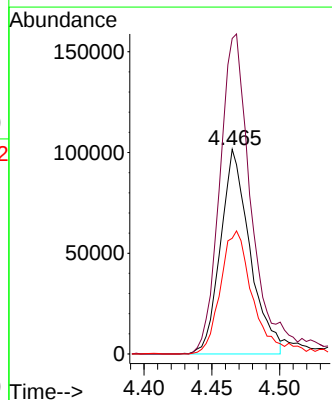
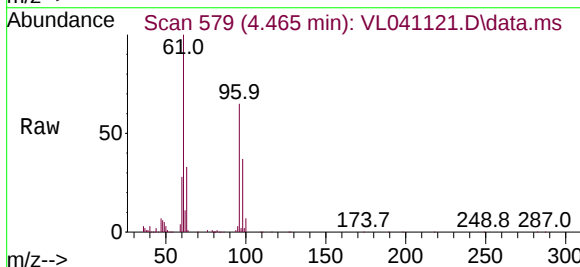
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

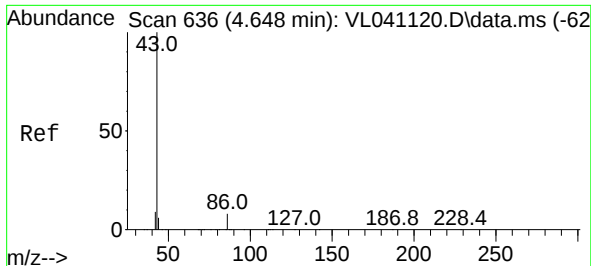
Tgt Ion: 41 Resp: 207093
Ion Ratio Lower Upper
41 100
76 31.5 25.7 38.5
39 83.1 65.7 98.5



#22
trans-1,2-Dichloroethene
Concen: 2.071 ppbv
RT: 4.465 min Scan# 579
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 96 Resp: 153178
Ion Ratio Lower Upper
96 100
61 154.2 128.4 192.6
98 56.5 51.5 77.3

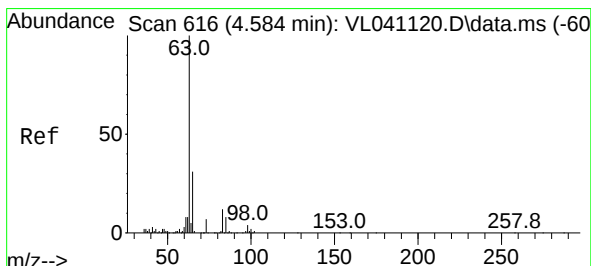
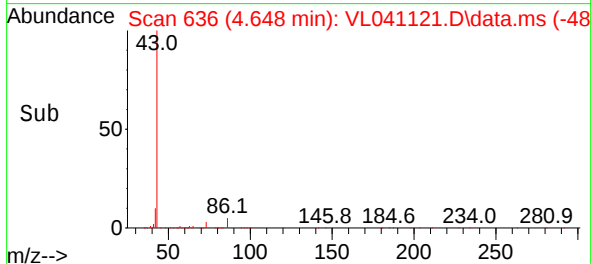
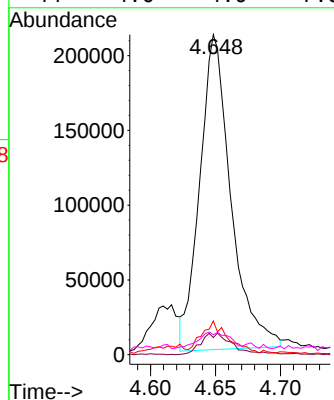
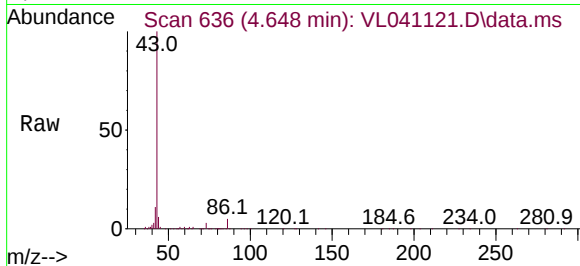




#23
 Vinyl Acetate
 Concen: 2.109 ppbv
 RT: 4.648 min Scan# 616
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

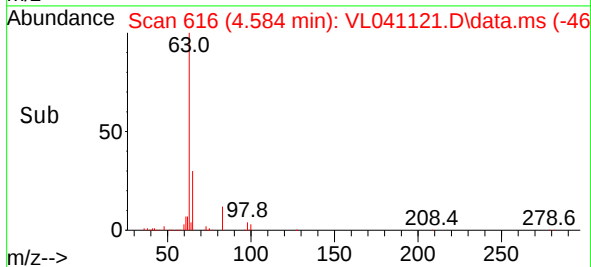
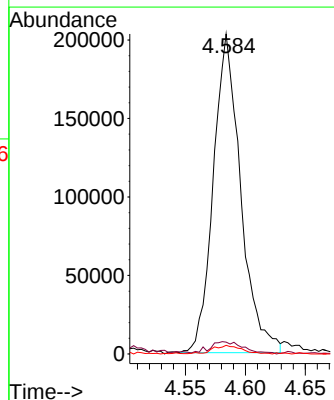
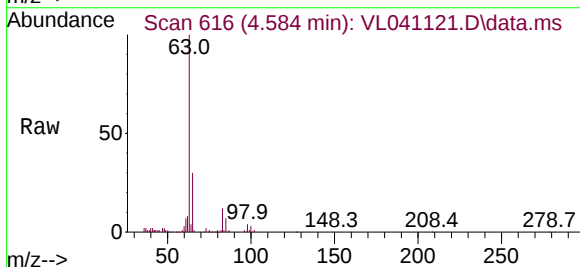
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

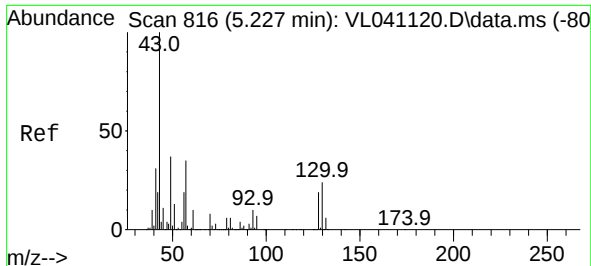
Tgt Ion: 43 Resp: 350578
 Ion Ratio Lower Upper
 43 100
 86 5.5 6.2 9.4#
 42 10.1 7.7 11.5
 44 4.0 4.9 7.3#



#24
 1,1-Dichloroethane
 Concen: 2.163 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

Tgt Ion: 63 Resp: 322182
 Ion Ratio Lower Upper
 63 100
 98 3.5 2.1 6.3
 100 2.9 1.1 3.3



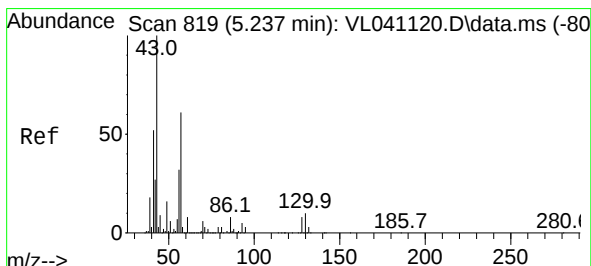
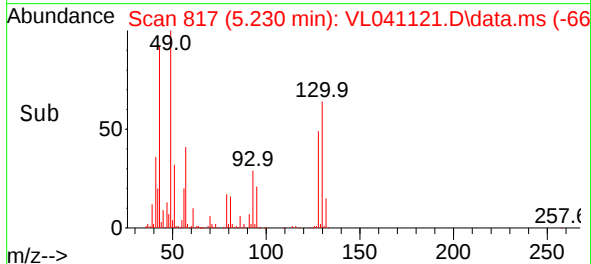
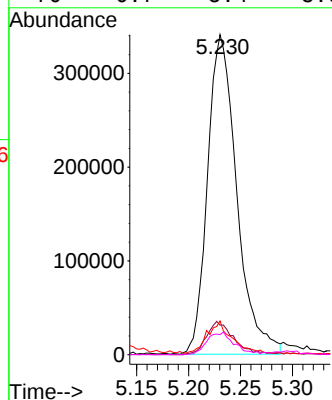
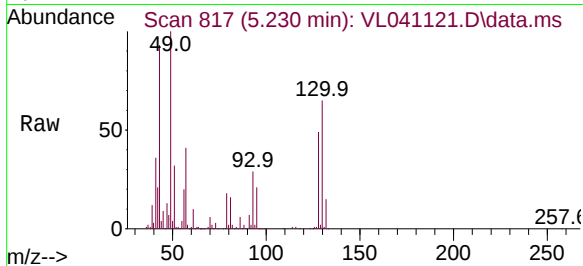


#25
Ethyl Acetate
Concen: 2.215 ppbv
RT: 5.230 min Scan# 816
Delta R.T. 0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 666392

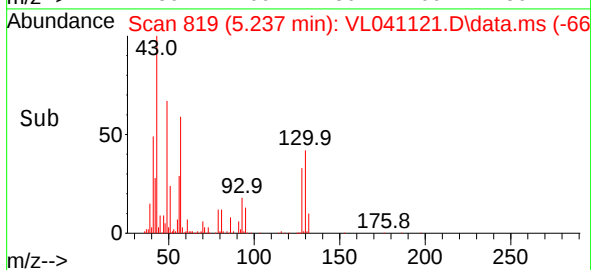
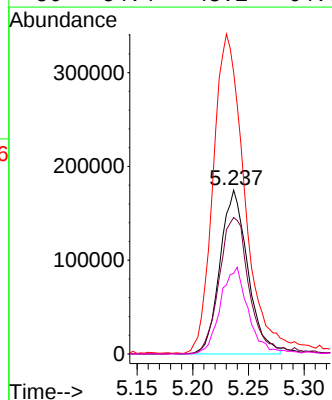
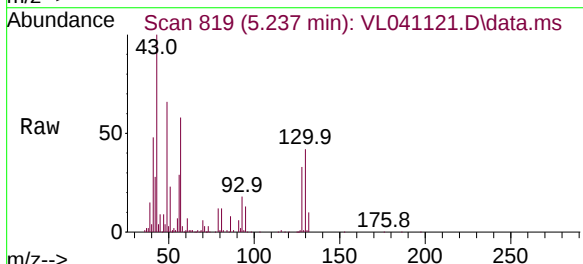
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	10.4	7.8	11.6
70	6.7	5.4	8.0

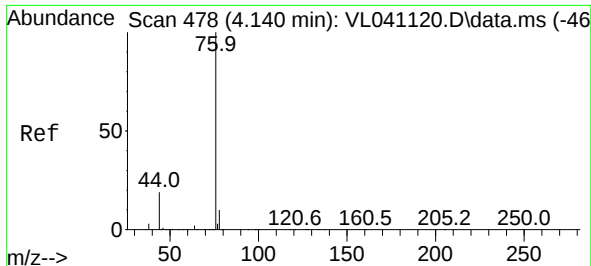


#26
Hexane
Concen: 2.240 ppbv
RT: 5.237 min Scan# 819
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 57 Resp: 302451

Ion	Ratio	Lower	Upper
57	100		
41	92.6	73.8	110.8
43	227.8	186.2	279.2
56	54.4	43.1	64.7

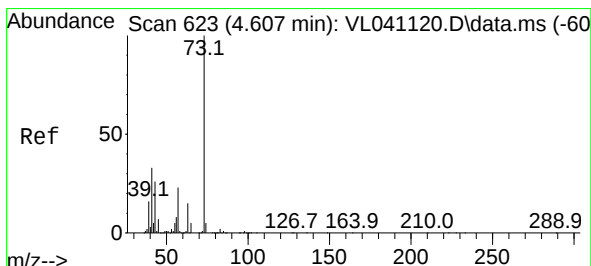
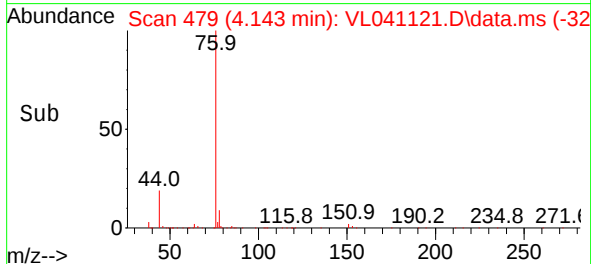
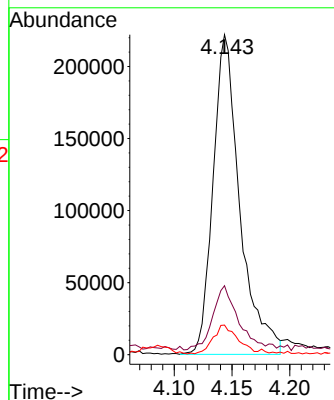
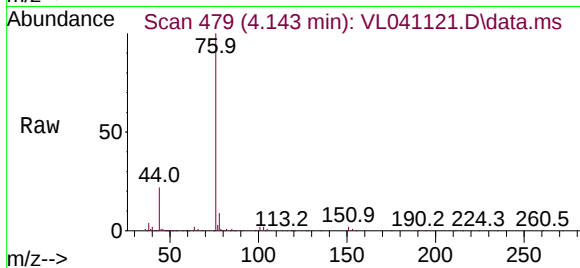




#27
Carbon Disulfide
Concen: 2.184 ppbv
RT: 4.143 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

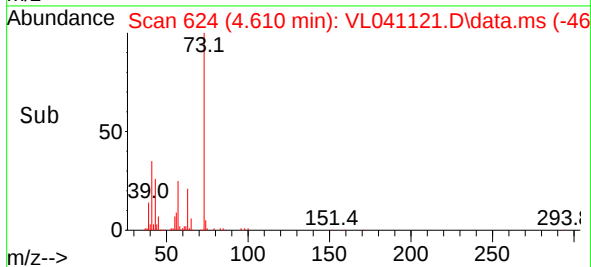
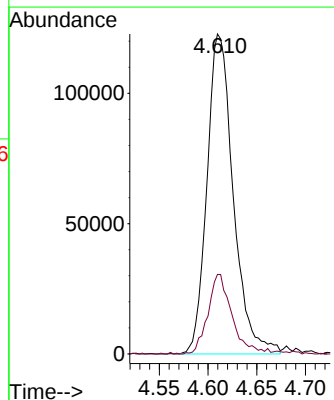
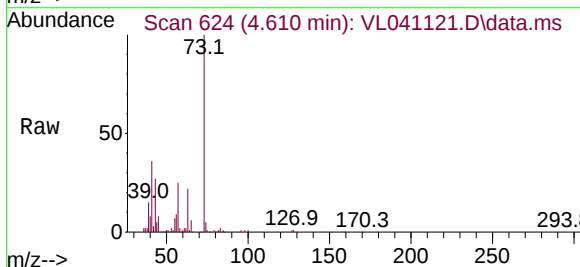
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

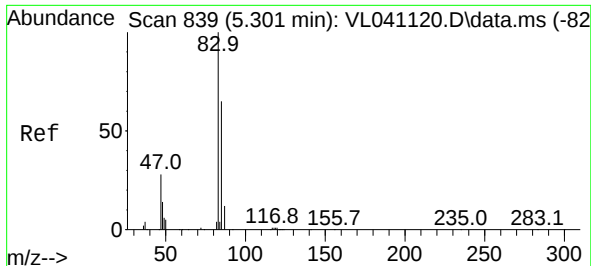
Tgt Ion: 76 Resp: 358031
Ion Ratio Lower Upper
76 100
44 19.6 16.3 24.5
78 10.1 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 2.264 ppbv
RT: 4.610 min Scan# 624
Delta R.T. 0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 73 Resp: 230657
Ion Ratio Lower Upper
73 100
57 23.5 18.6 27.8





#29

Chloroform

Concen: 2.102 ppbv

RT: 5.295 min Scan# 84

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

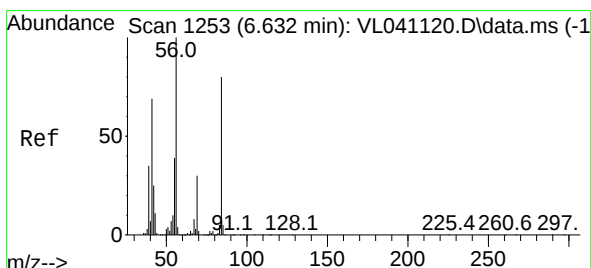
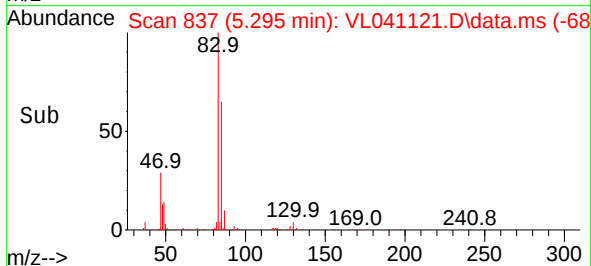
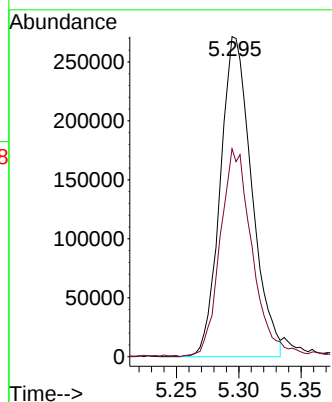
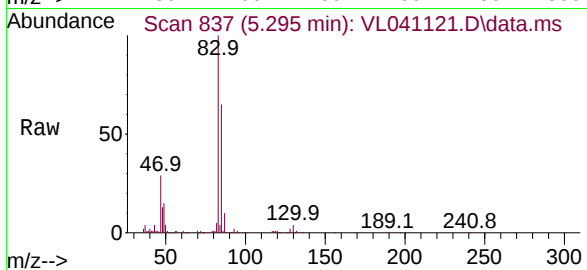
VSTDIC002

Tgt Ion: 83 Resp: 478511

Ion Ratio Lower Upper

83 100

85 64.9 51.5 77.3



#30

Cyclohexane

Concen: 1.106 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

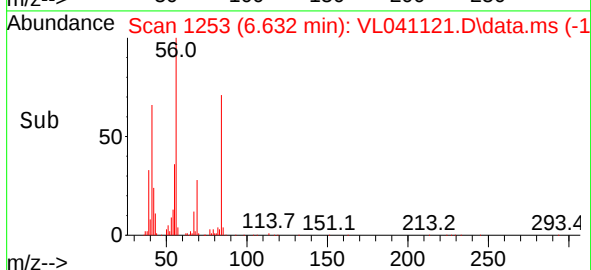
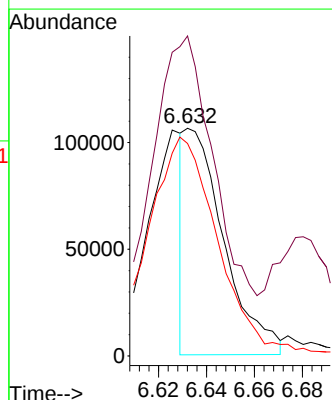
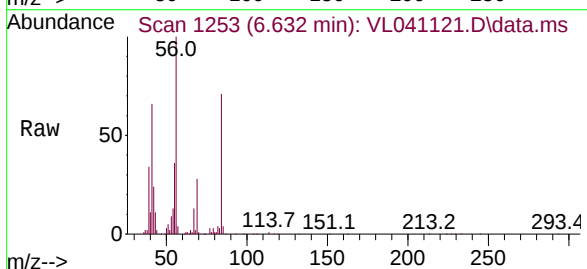
Tgt Ion: 84 Resp: 120081

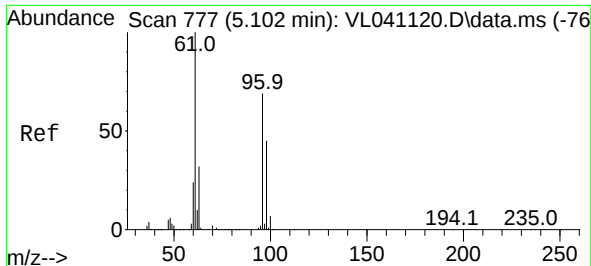
Ion Ratio Lower Upper

84 100

56 249.7 111.9 167.9#

41 176.3 71.0 106.6#





#31

cis-1,2-Dichloroethene

Concen: 2.198 ppbv

RT: 5.102 min Scan# 777

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

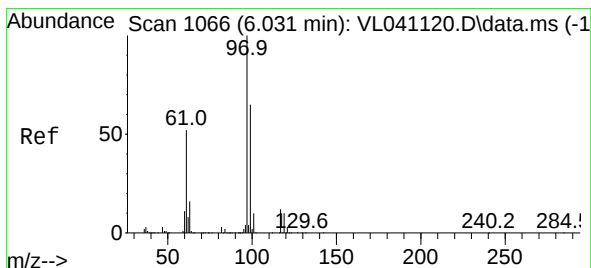
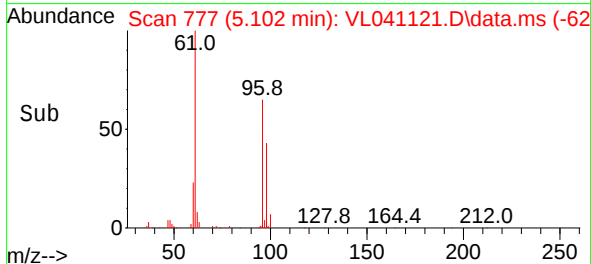
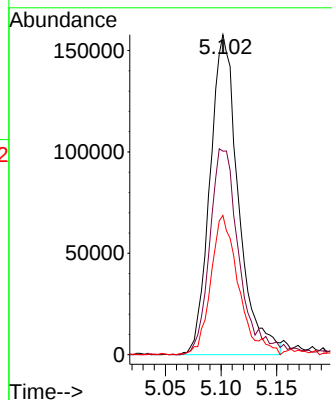
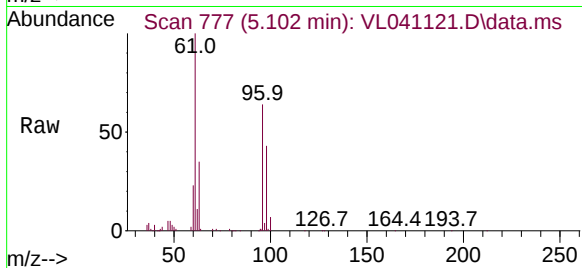
Tgt Ion: 61 Resp: 280881

Ion Ratio Lower Upper

61 100

96 63.6 54.9 82.3

98 43.5 35.9 53.9



#32

1,1,1-Trichloroethane

Concen: 2.268 ppbv

RT: 6.031 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

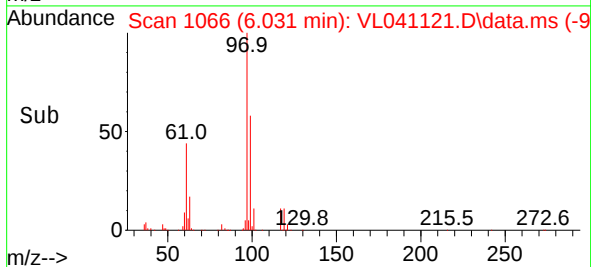
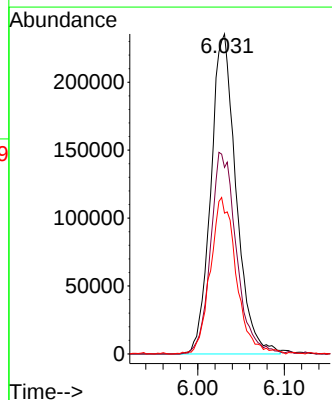
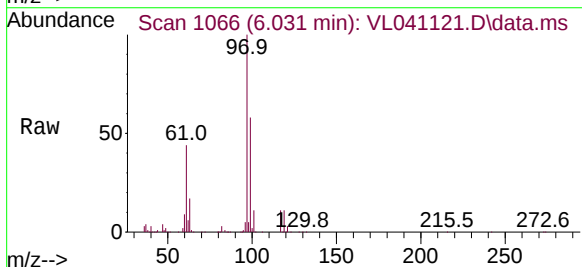
Tgt Ion: 97 Resp: 477269

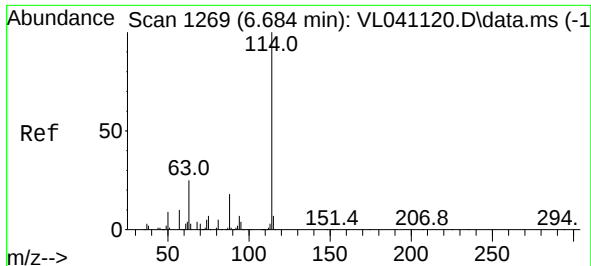
Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

61 50.0 40.5 60.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.680 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

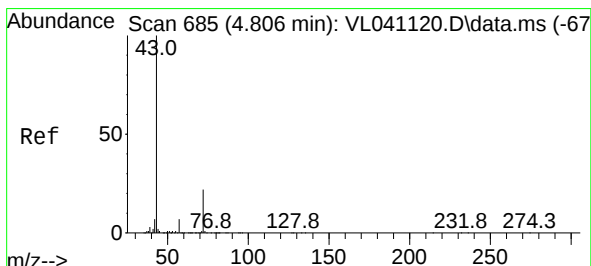
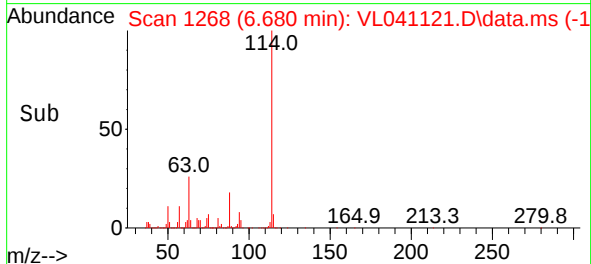
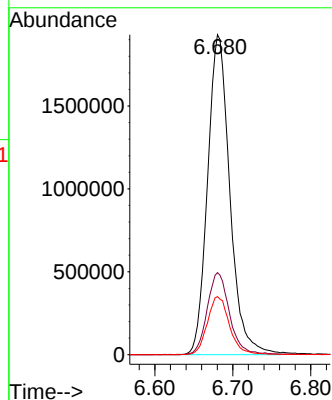
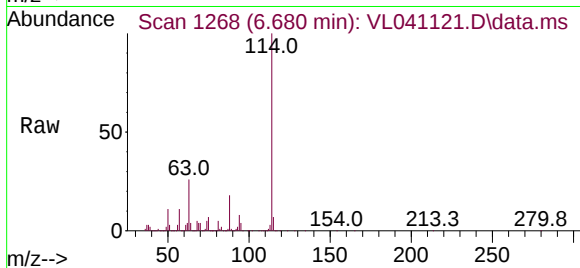
Tgt Ion:114 Resp: 3830680

Ion Ratio Lower Upper

114 100

63 25.9 20.9 31.3

88 18.2 14.5 21.7



#34

2-Butanone

Concen: 2.097 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.006 min

Lab File: VL041121.D

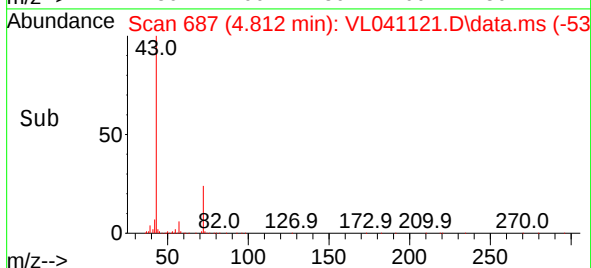
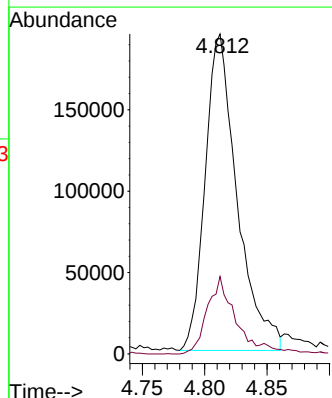
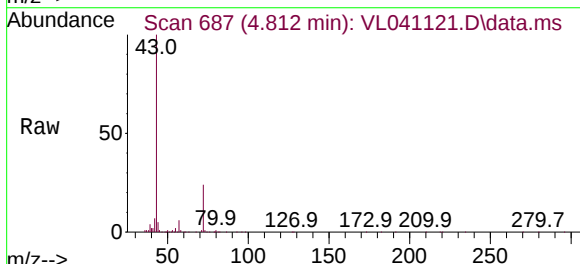
Acq: 4 Apr 2024 10:07

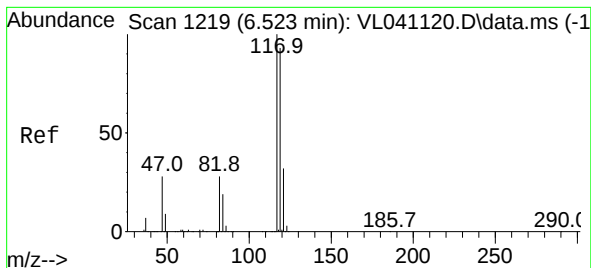
Tgt Ion: 43 Resp: 346983

Ion Ratio Lower Upper

43 100

72 22.8 17.6 26.4





#35

Carbon Tetrachloride

Concen: 2.246 ppbv

RT: 6.520 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

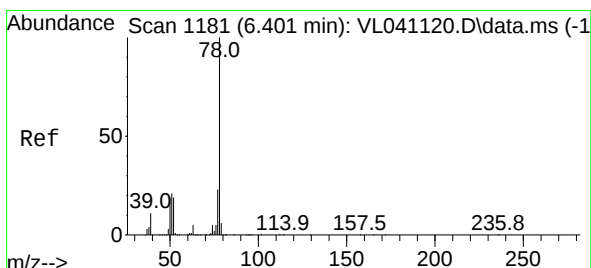
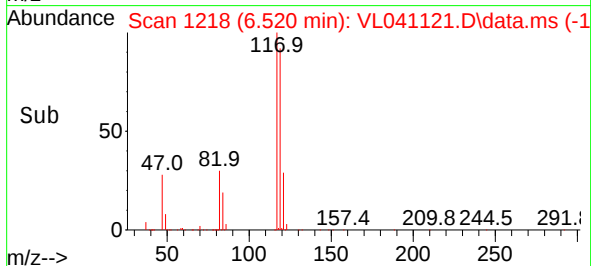
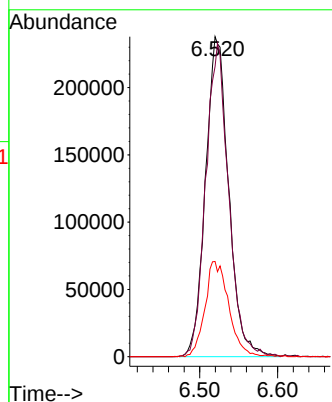
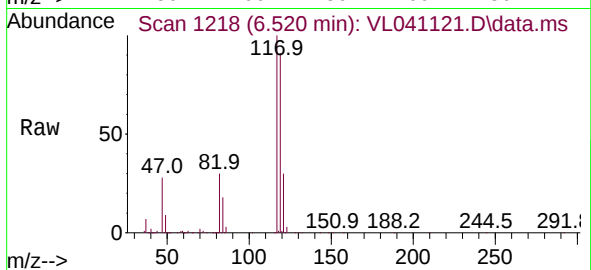
Tgt Ion:117 Resp: 490992

Ion Ratio Lower Upper

117 100

119 90.7 74.2 111.4

121 29.6 25.4 38.2



#36

Benzene

Concen: 2.158 ppbv

RT: 6.401 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

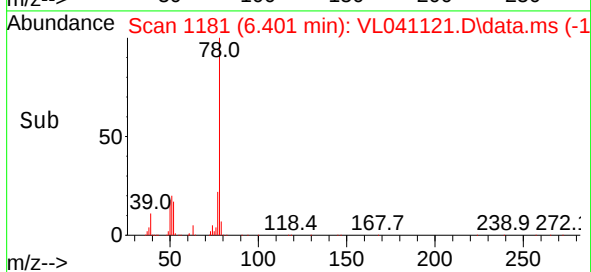
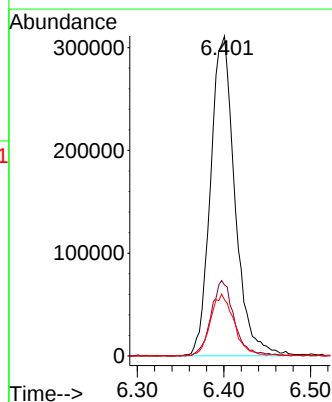
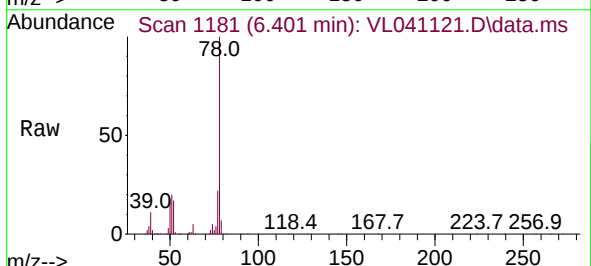
Tgt Ion: 78 Resp: 606338

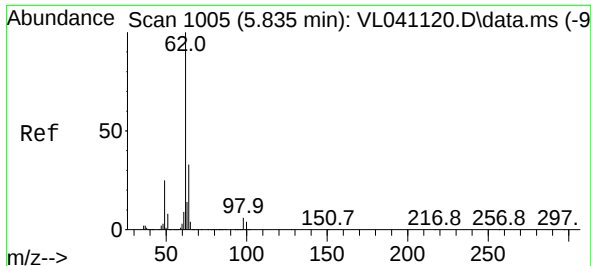
Ion Ratio Lower Upper

78 100

77 22.2 18.2 27.4

50 17.5 15.4 23.2





#37

1,2-Dichloroethane

Concen: 2.088 ppbv

RT: 5.832 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

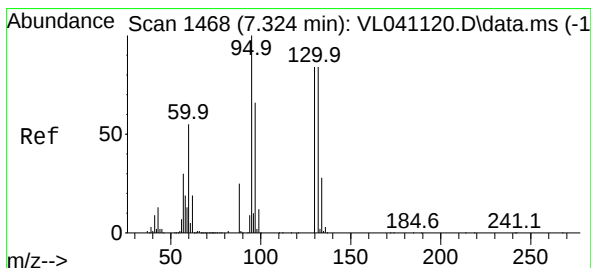
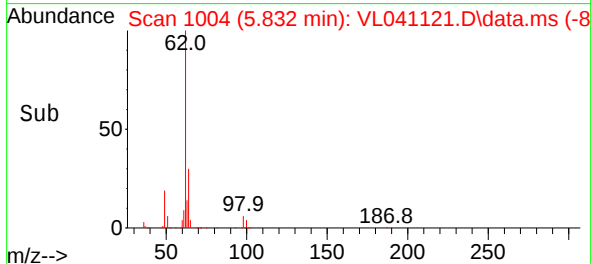
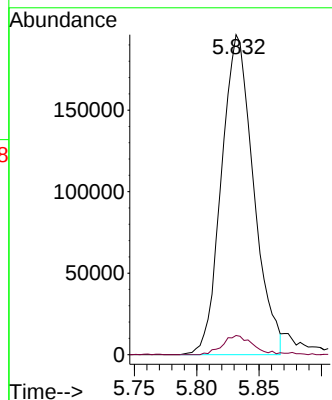
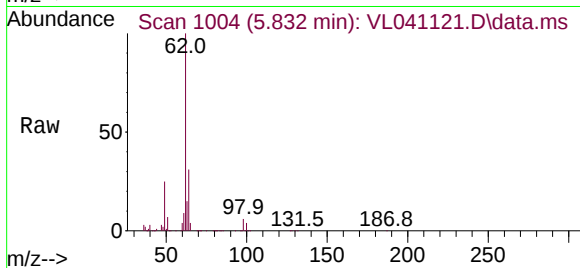
VSTDIC002

Tgt Ion: 62 Resp: 352640

Ion Ratio Lower Upper

62 100

98 5.9 4.6 7.0



#38

Trichloroethene

Concen: 2.138 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Tgt Ion:130 Resp: 218036

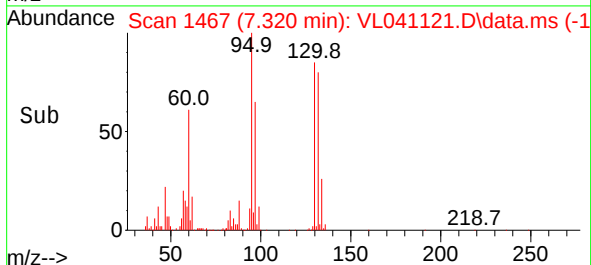
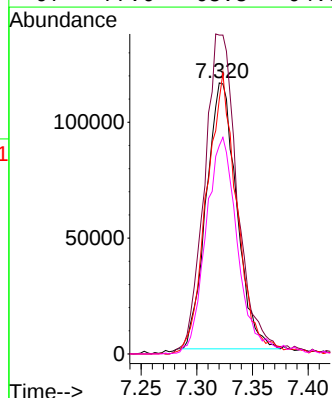
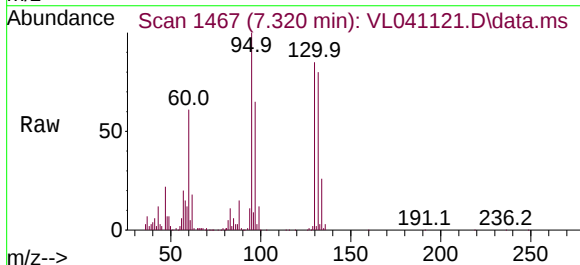
Ion Ratio Lower Upper

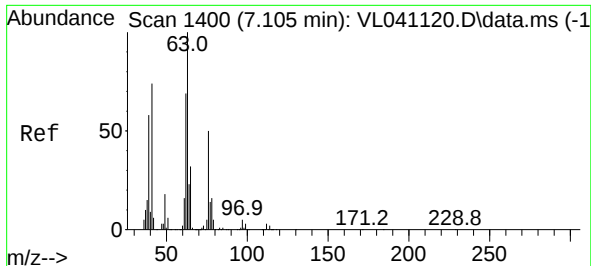
130 100

95 117.6 95.4 143.0

132 94.4 80.0 120.0

97 77.6 63.3 94.9





#39

1,2-Dichloropropane

Concen: 1.236 ppbv

RT: 7.098 min Scan# 1400

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

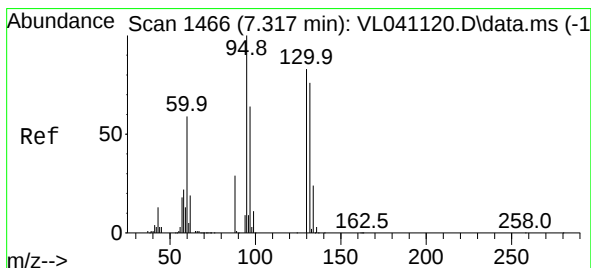
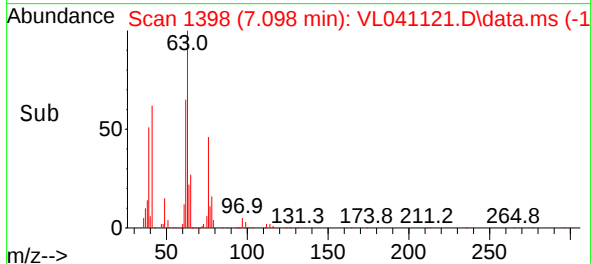
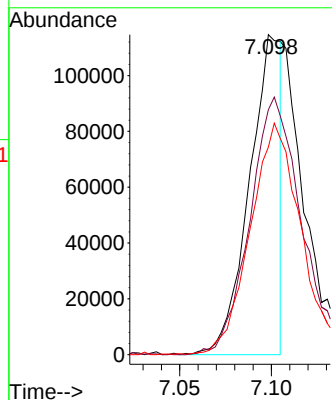
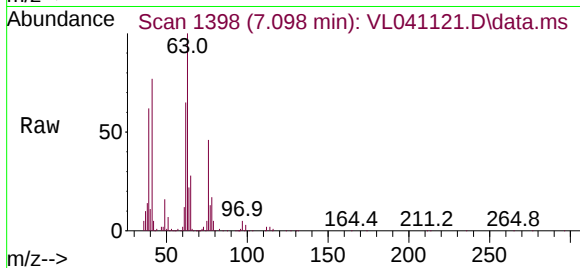
Tgt Ion: 63 Resp: 137893

Ion Ratio Lower Upper

63 100

41 76.0 58.7 88.1

62 64.5 55.5 83.3



#40

1,4-Dioxane

Concen: 1.893 ppbv

RT: 7.336 min Scan# 1472

Delta R.T. 0.019 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Tgt Ion: 88 Resp: 72366

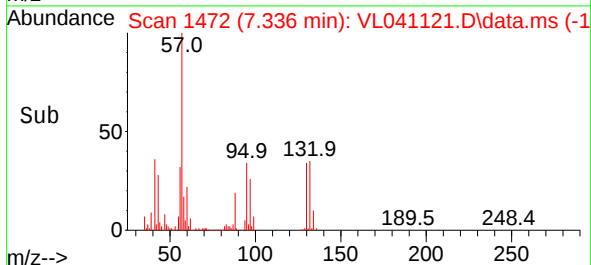
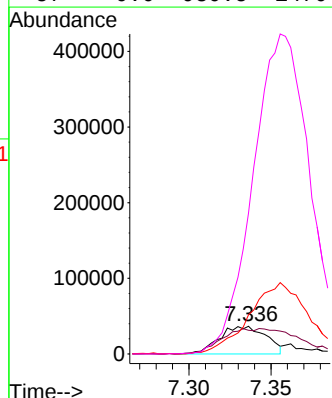
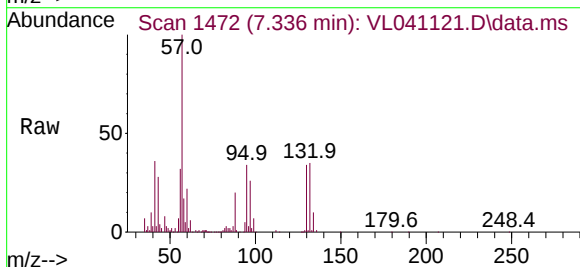
Ion Ratio Lower Upper

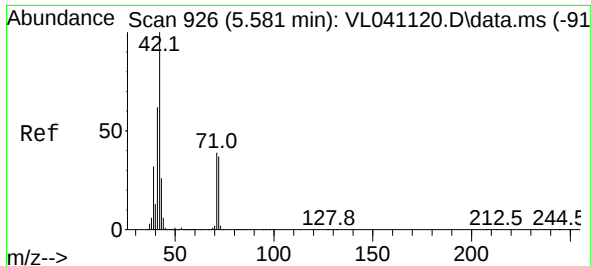
88 100

58 156.7 107.8 161.6

43 0.0 223.8 335.6#

57 0.0 980.5 1470.7#





#41

Tetrahydrofuran

Concen: 2.181 ppbv

RT: 5.587 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

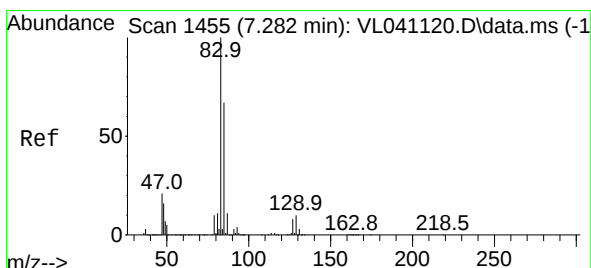
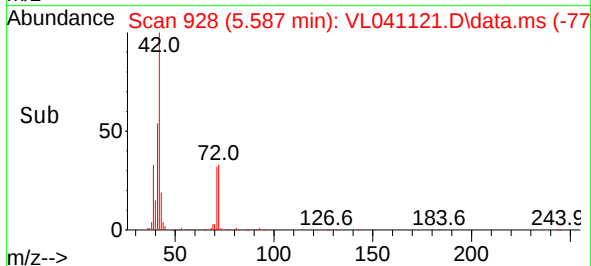
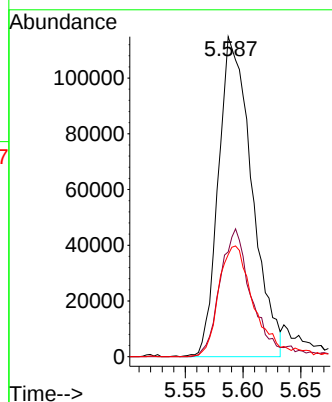
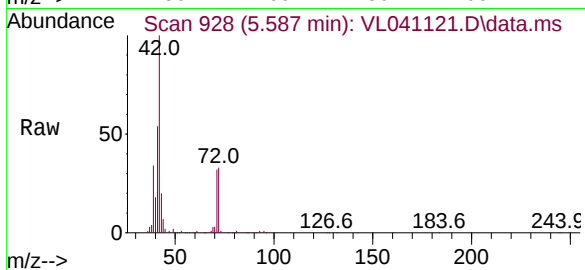
Tgt Ion: 42 Resp: 230792

Ion Ratio Lower Upper

42 100

72 39.9 31.2 46.8

71 38.2 29.9 44.9



#42

Bromodichloromethane

Concen: 2.166 ppbv

RT: 7.278 min Scan# 1454

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

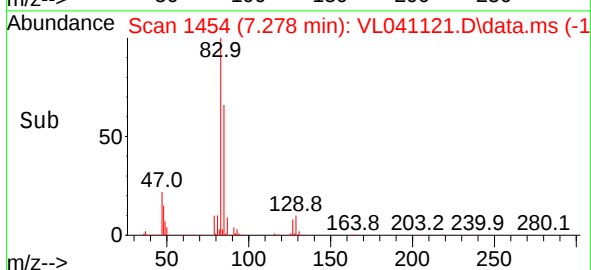
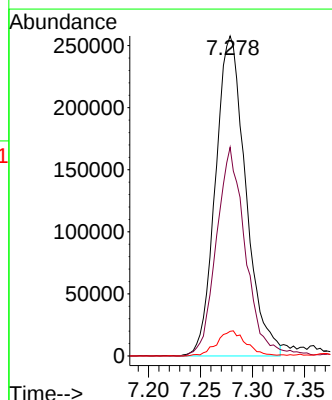
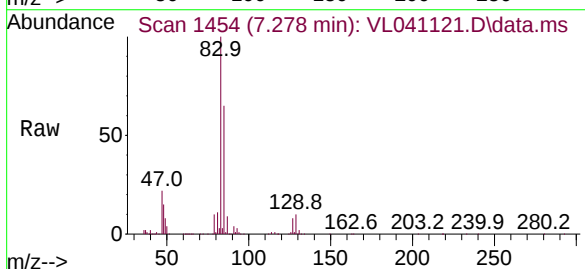
Tgt Ion: 83 Resp: 522696

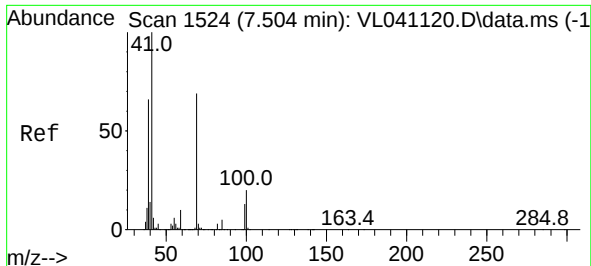
Ion Ratio Lower Upper

83 100

85 65.2 53.5 80.3

127 7.6 6.2 9.4





#43

Methyl Methacrylate

Concen: 1.453 ppbv

RT: 7.503 min Scan# 1418

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

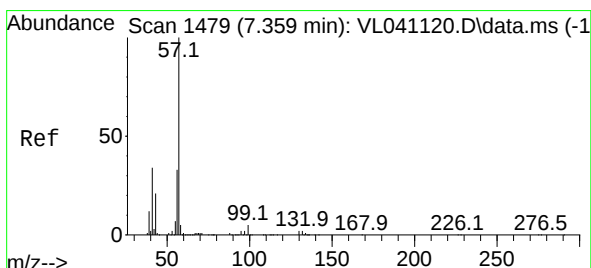
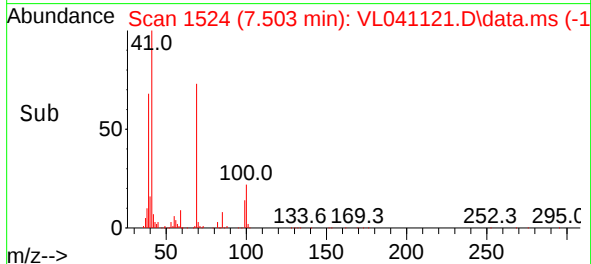
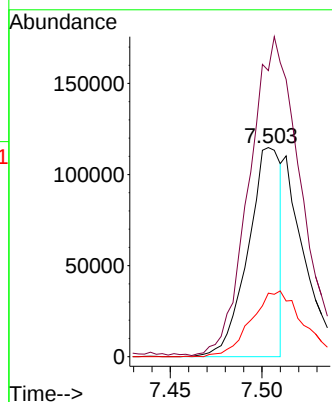
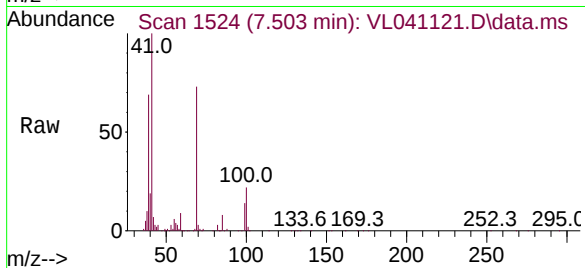
Tgt Ion: 69 Resp: 141852

Ion Ratio Lower Upper

69 100

41 0.0 119.2 178.8#

100 0.0 24.6 37.0#



#44

2,2,4-Trimethylpentane

Concen: 2.232 ppbv

RT: 7.356 min Scan# 1478

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

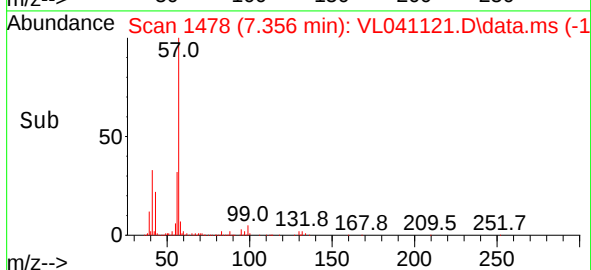
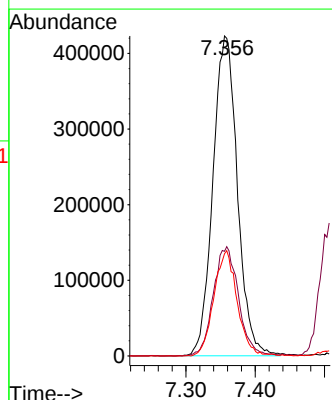
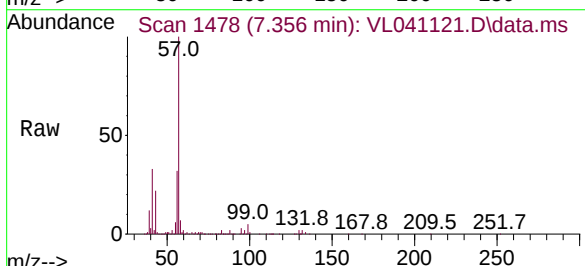
Tgt Ion: 57 Resp: 1039313

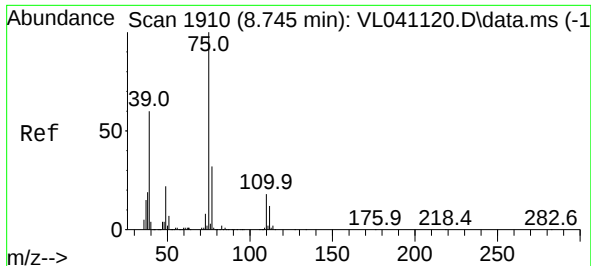
Ion Ratio Lower Upper

57 100

41 35.3 28.2 42.2

56 31.5 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 2.018 ppbv

RT: 8.741 min Scan# 1910

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

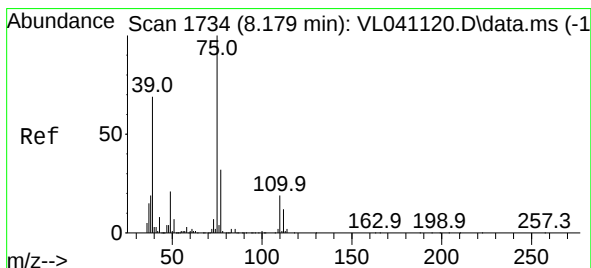
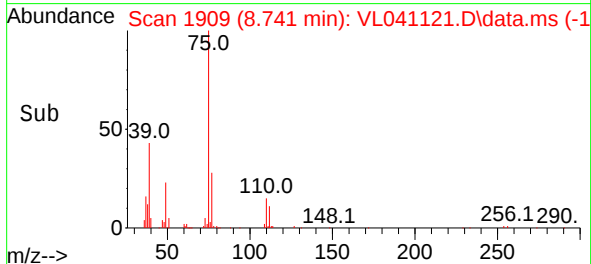
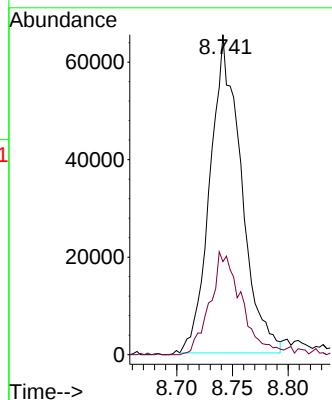
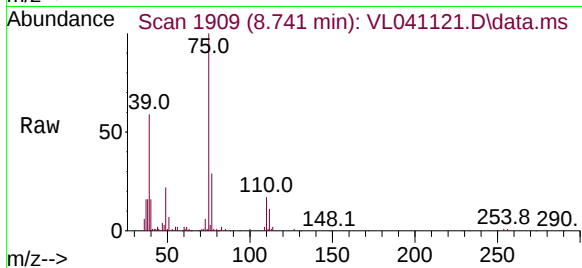
VSTDICC002

Tgt Ion: 75 Resp: 126972

Ion Ratio Lower Upper

75 100

77 29.1 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 2.030 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

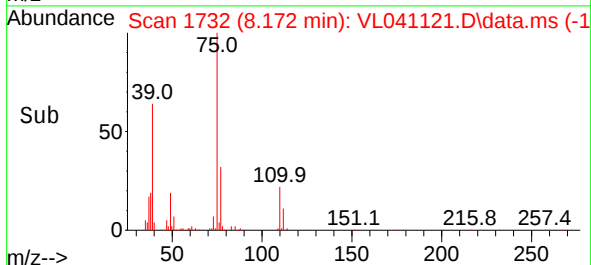
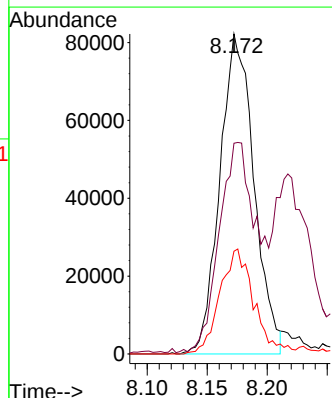
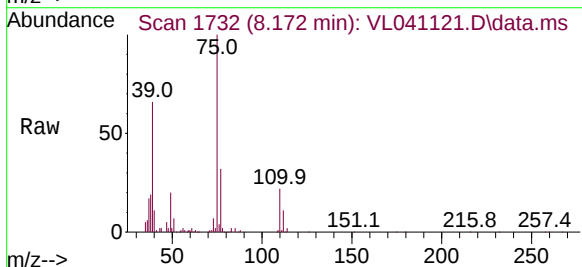
Tgt Ion: 75 Resp: 162555

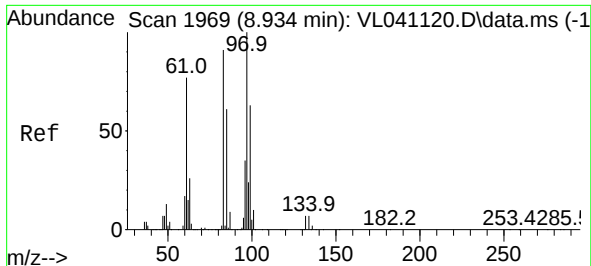
Ion Ratio Lower Upper

75 100

39 65.1 55.1 82.7

77 32.1 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 1.267 ppbv

RT: 8.928 min Scan# 1967

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 151924

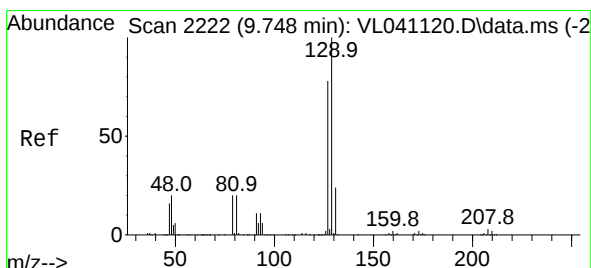
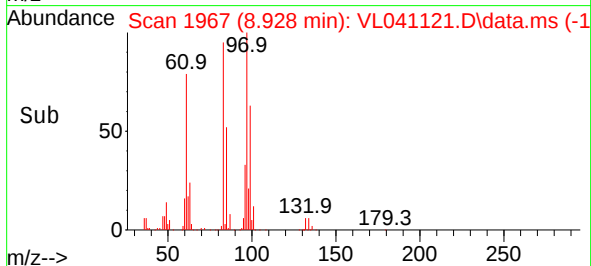
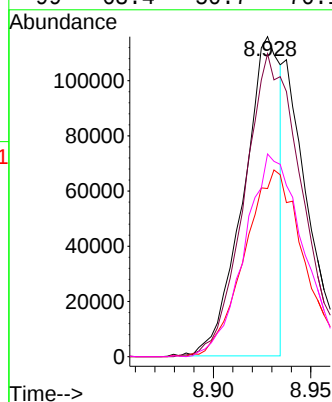
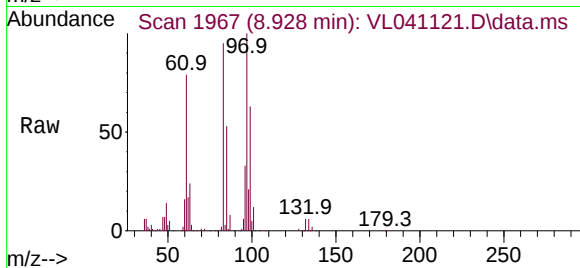
Ion Ratio Lower Upper

97 100

83 94.4 72.9 109.3

85 52.5 49.1 73.7

99 63.4 50.7 76.1



#48

Dibromochloromethane

Concen: 2.104 ppbv

RT: 9.745 min Scan# 2221

Delta R.T. -0.003 min

Lab File: VL041121.D

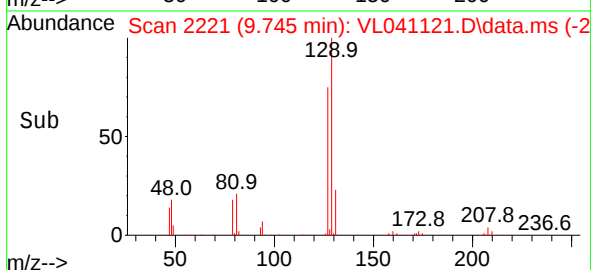
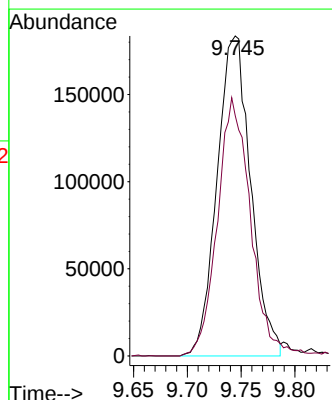
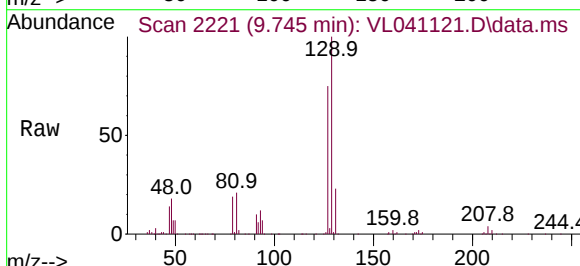
Acq: 4 Apr 2024 10:07

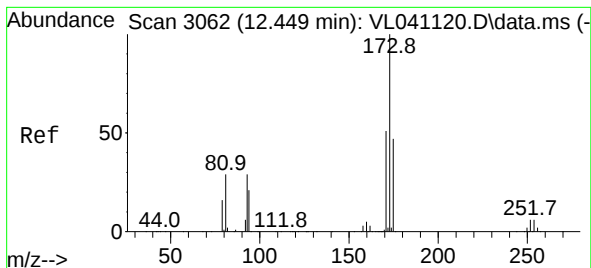
Tgt Ion: 129 Resp: 400397

Ion Ratio Lower Upper

129 100

127 80.2 39.3 117.9





#49

Bromoform

Concen: 2.136 ppbv

RT: 12.442 min Scan# 3060

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

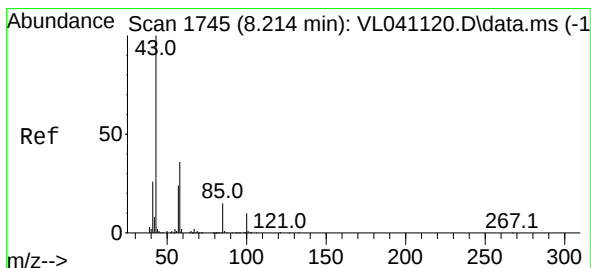
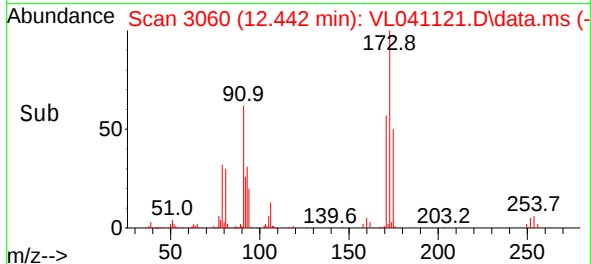
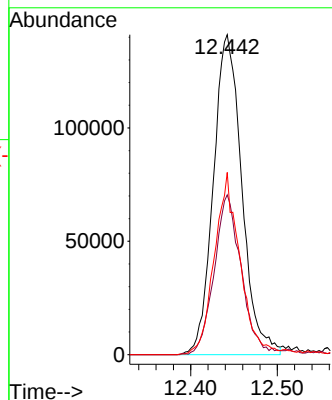
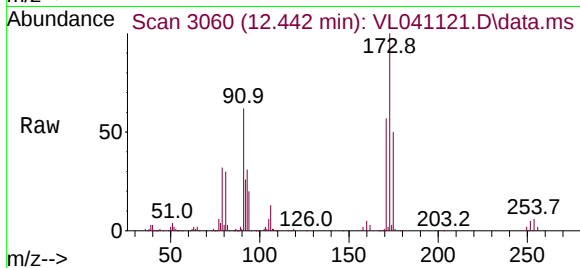
Tgt Ion:173 Resp: 322203

Ion Ratio Lower Upper

173 100

175 48.4 39.4 59.0

171 52.6 42.9 64.3



#50

4-Methyl-2-Pentanone

Concen: 2.177 ppbv

RT: 8.220 min Scan# 1747

Delta R.T. 0.006 min

Lab File: VL041121.D

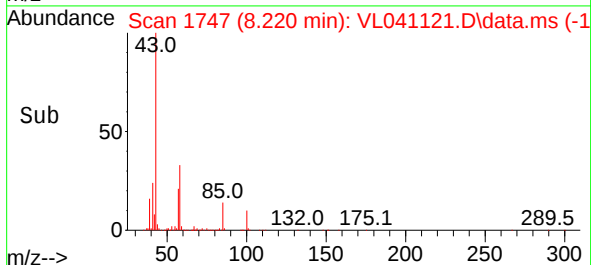
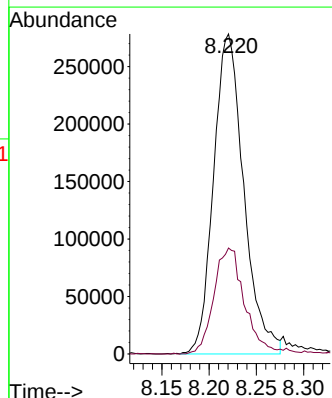
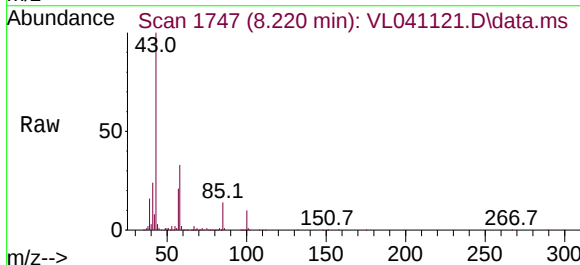
Acq: 4 Apr 2024 10:07

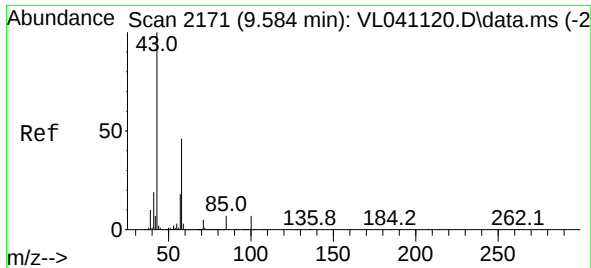
Tgt Ion: 43 Resp: 618053

Ion Ratio Lower Upper

43 100

58 34.7 27.7 41.5

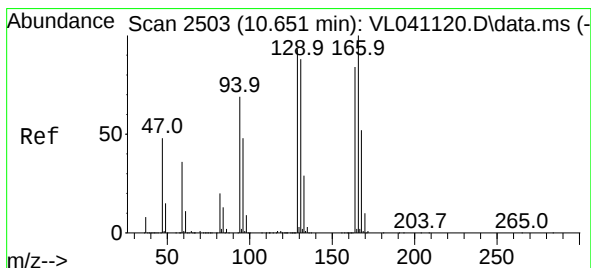
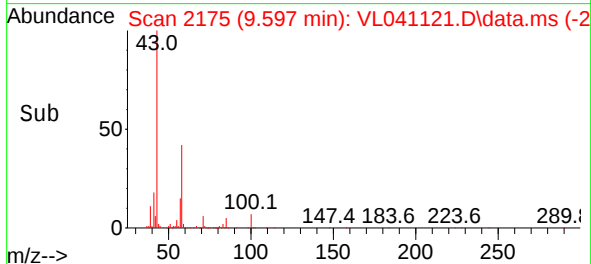
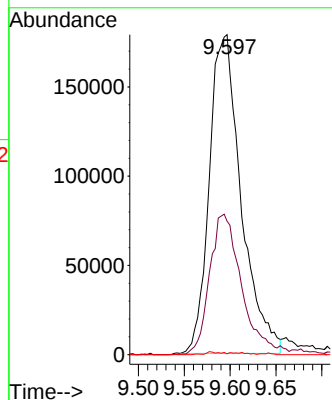
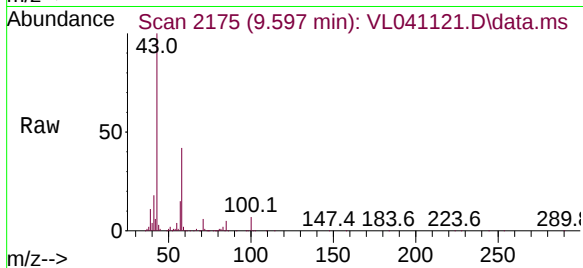




#51
2-Hexanone
Concen: 2.188 ppbv
RT: 9.597 min Scan# 2171
Delta R.T. 0.013 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

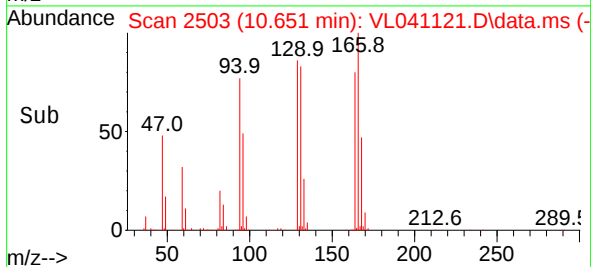
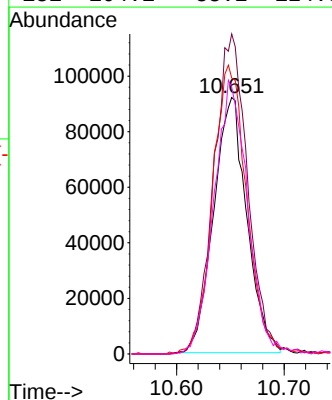
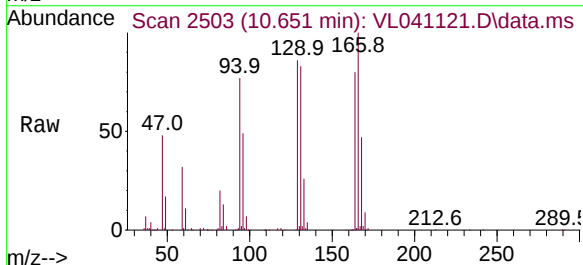
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

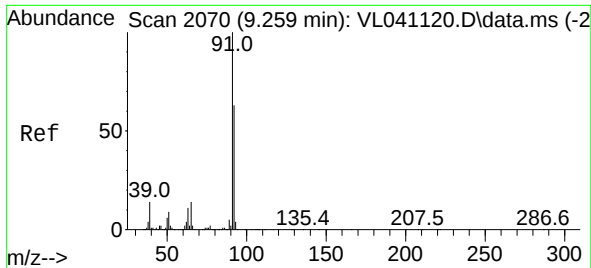
Tgt Ion: 43 Resp: 430763
Ion Ratio Lower Upper
43 100
58 46.4 37.3 55.9
98 0.9 0.3 0.5#



#52
Tetrachloroethene
Concen: 2.181 ppbv
RT: 10.651 min Scan# 2503
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 164 Resp: 196457
Ion Ratio Lower Upper
164 100
166 124.5 95.0 142.6
129 106.7 88.7 133.1
131 104.1 83.2 124.8





#53

Toluene

Concen: 2.199 ppbv

RT: 9.253 min Scan# 2070

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

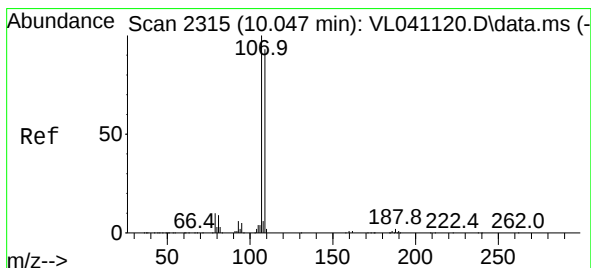
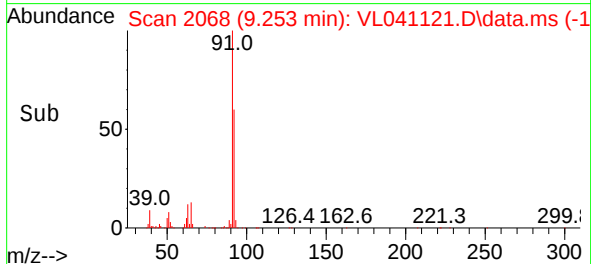
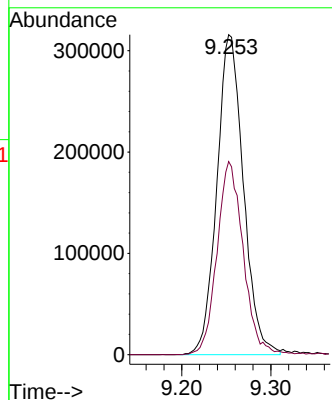
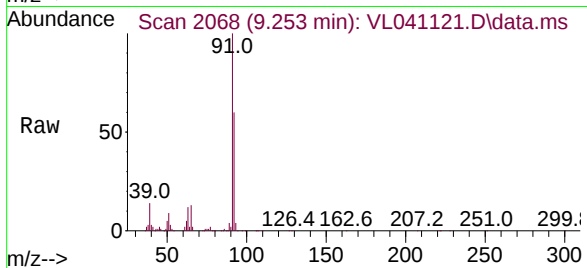
VSTDICC002

Tgt Ion: 91 Resp: 653702

Ion Ratio Lower Upper

91 100

92 60.0 49.0 73.4



#54

1,2-Dibromoethane

Concen: 2.213 ppbv

RT: 10.040 min Scan# 2313

Delta R.T. -0.007 min

Lab File: VL041121.D

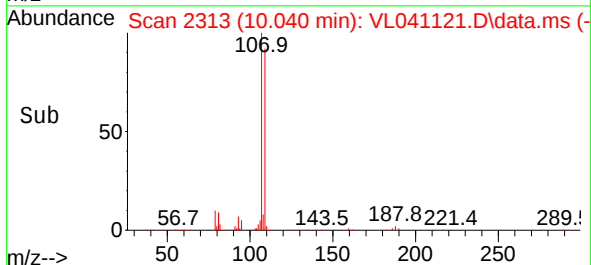
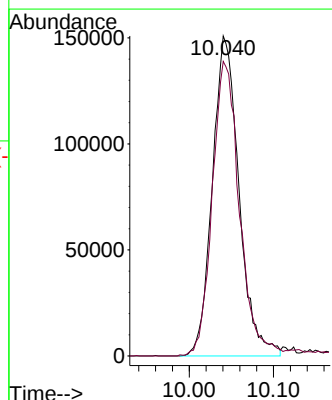
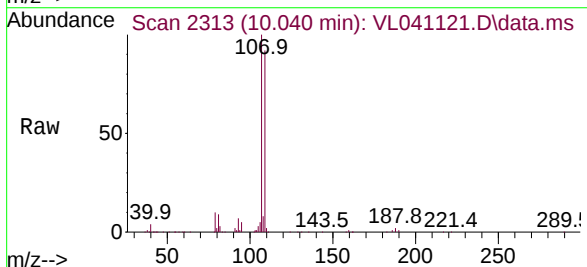
Acq: 4 Apr 2024 10:07

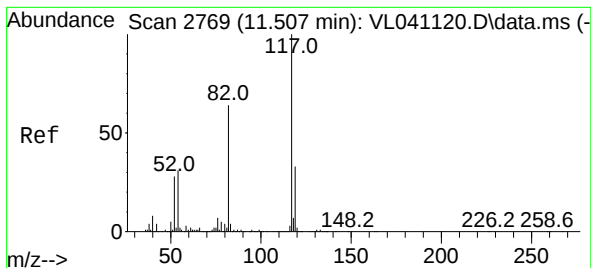
Tgt Ion: 107 Resp: 330691

Ion Ratio Lower Upper

107 100

109 91.7 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.500 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

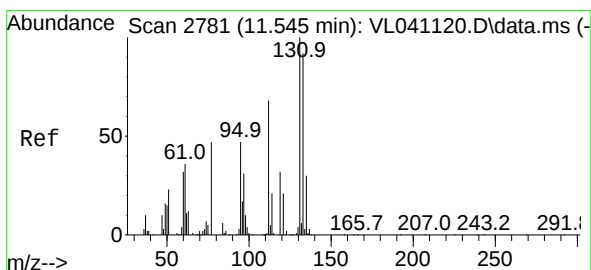
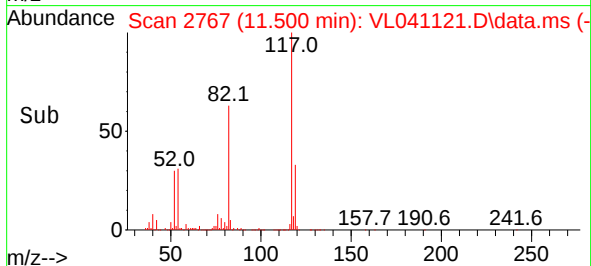
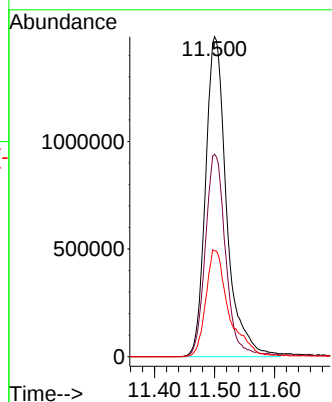
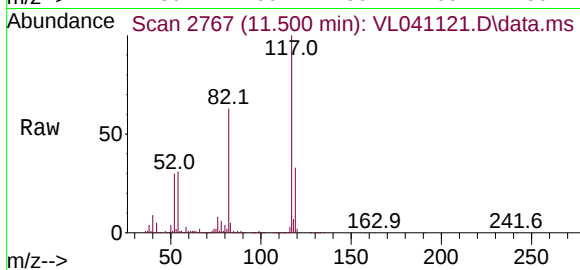
Tgt Ion:117 Resp: 3633674

Ion Ratio Lower Upper

117 100

82 62.3 51.0 76.6

119 37.1 25.2 37.8



#56

1,1,1,2-Tetrachloroethane

Concen: 2.118 ppbv

RT: 11.542 min Scan# 2780

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

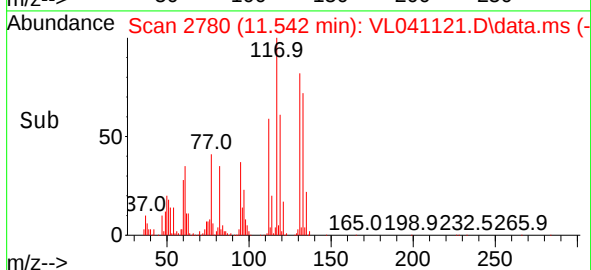
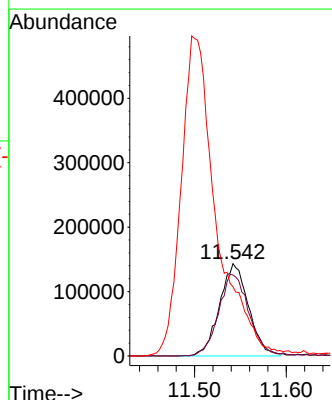
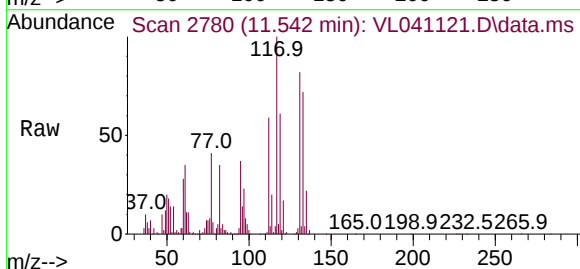
Tgt Ion:131 Resp: 314830

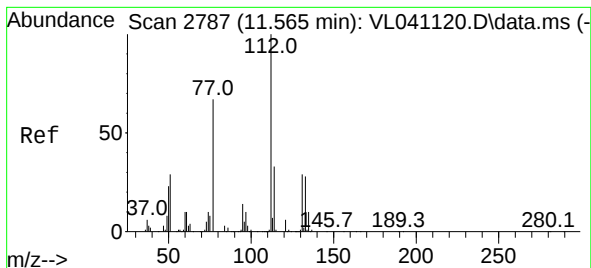
Ion Ratio Lower Upper

131 100

133 93.7 76.6 115.0

119 428.6 49.9 74.9#

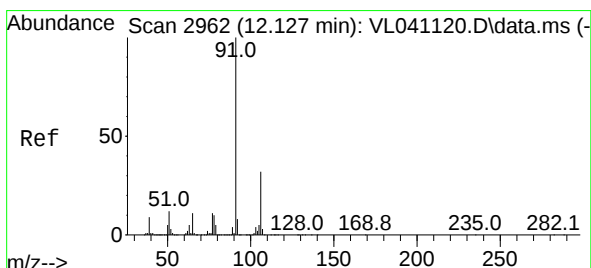
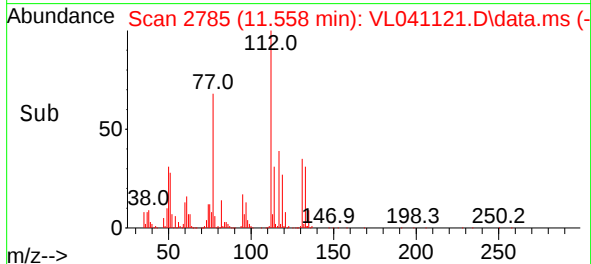
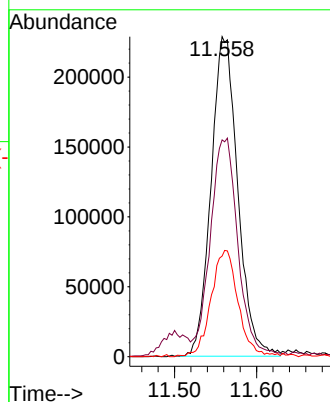
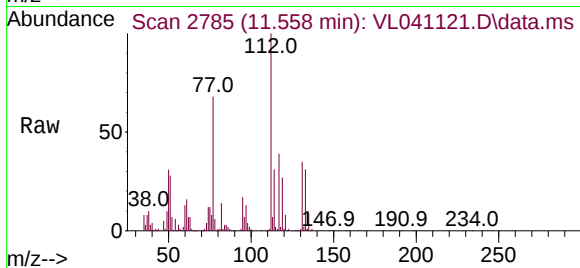




#57
Chlorobenzene
Concen: 2.110 ppbv
RT: 11.558 min Scan# 211
Delta R.T. -0.007 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

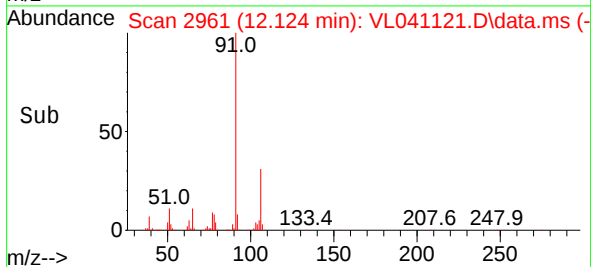
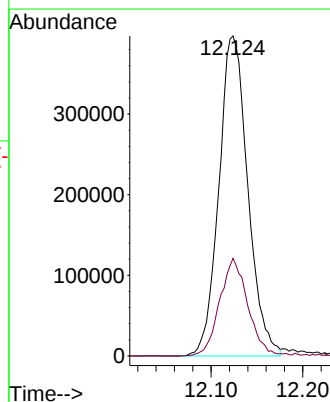
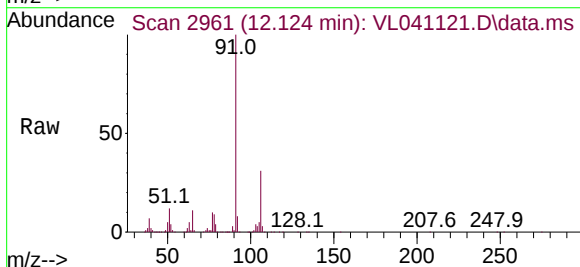
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

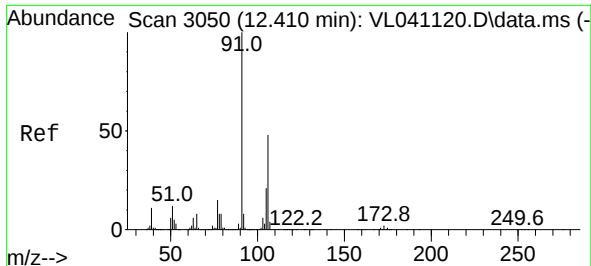
Tgt Ion:112 Resp: 518854
Ion Ratio Lower Upper
112 100
77 66.7 54.0 81.0
114 33.5 29.3 35.9



#58
Ethyl Benzene
Concen: 2.198 ppbv
RT: 12.124 min Scan# 2961
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 91 Resp: 869884
Ion Ratio Lower Upper
91 100
106 30.5 25.6 38.4





#59

m/p-Xylene

Concen: 2.048 ppbv

RT: 12.407 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

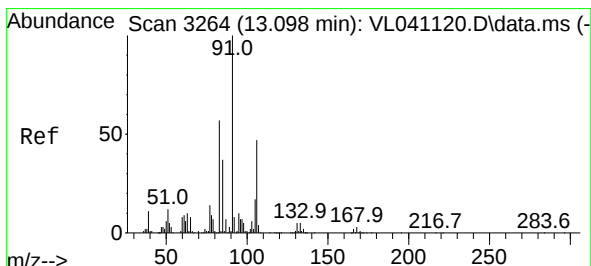
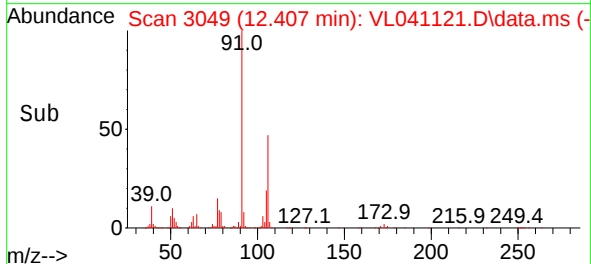
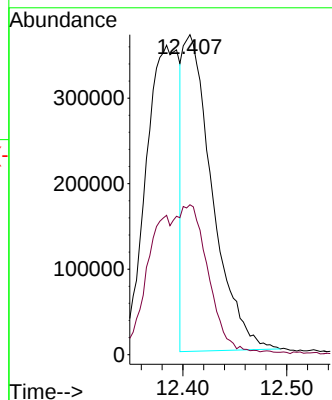
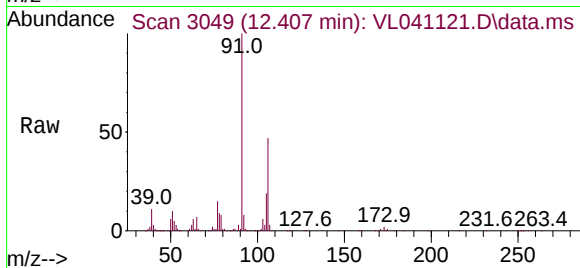
VSTDIC002

Tgt Ion: 91 Resp: 732499

Ion Ratio Lower Upper

91 100

106 92.5 35.4 53.2#



#60

o-Xylene

Concen: 2.226 ppbv

RT: 13.092 min Scan# 3262

Delta R.T. -0.007 min

Lab File: VL041121.D

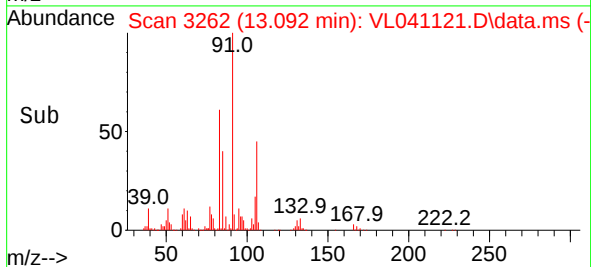
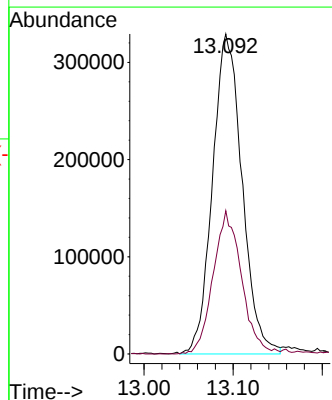
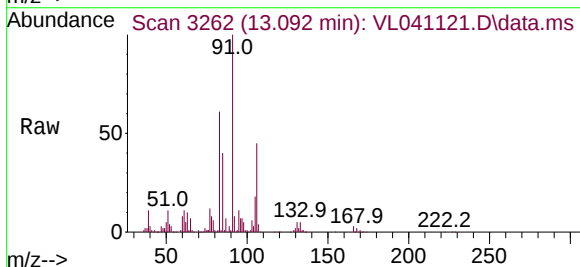
Acq: 4 Apr 2024 10:07

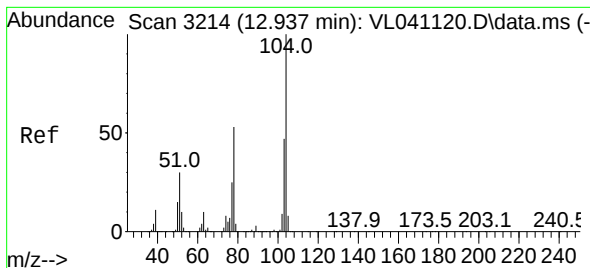
Tgt Ion: 91 Resp: 757370

Ion Ratio Lower Upper

91 100

106 43.9 22.9 68.5





#61

Styrene

Concen: 2.145 ppbv

RT: 12.934 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

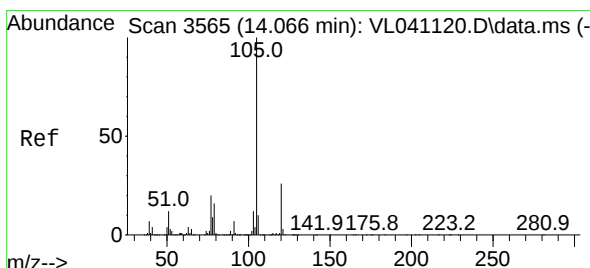
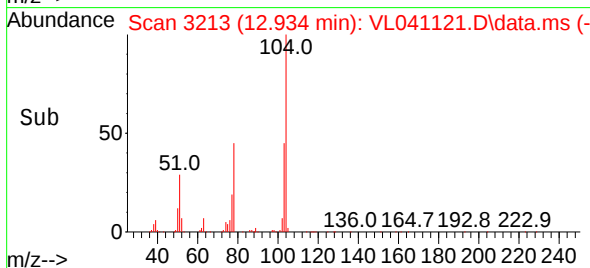
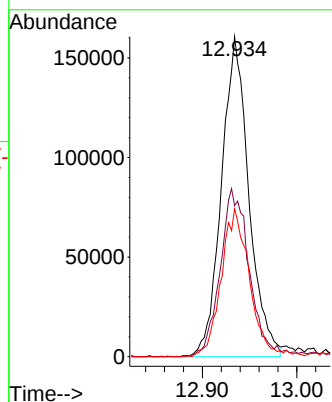
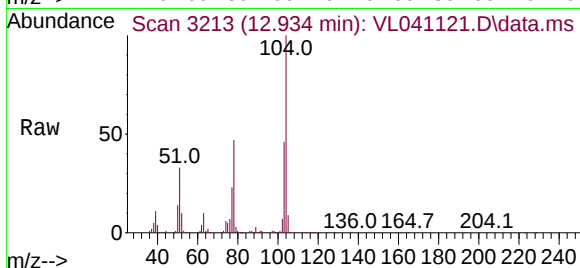
Tgt Ion:104 Resp: 322954

Ion Ratio Lower Upper

104 100

78 57.4 43.3 64.9

103 48.0 38.2 57.2



#62

Isopropylbenzene

Concen: 2.180 ppbv

RT: 14.063 min Scan# 3564

Delta R.T. -0.003 min

Lab File: VL041121.D

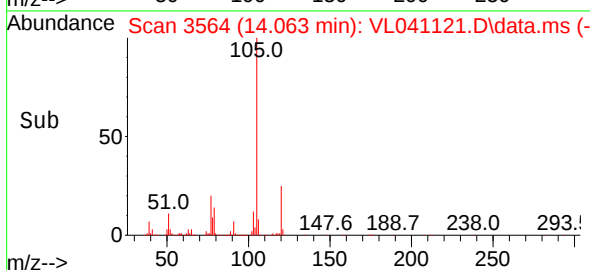
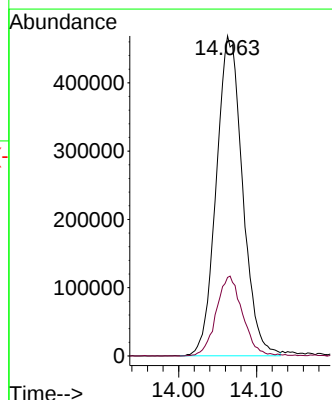
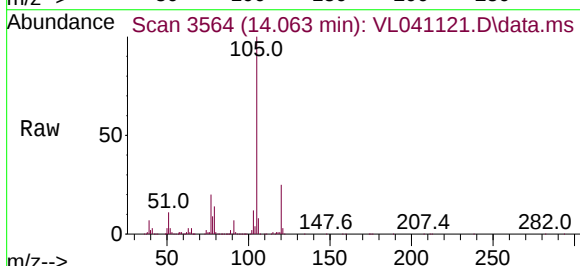
Acq: 4 Apr 2024 10:07

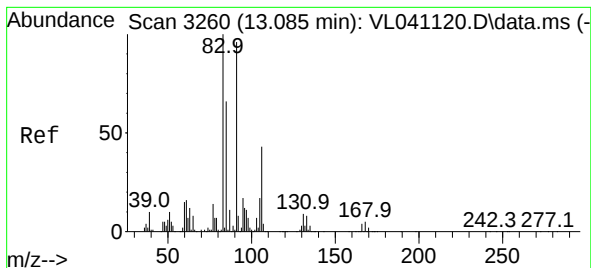
Tgt Ion:105 Resp: 1101011

Ion Ratio Lower Upper

105 100

120 25.1 21.0 31.4

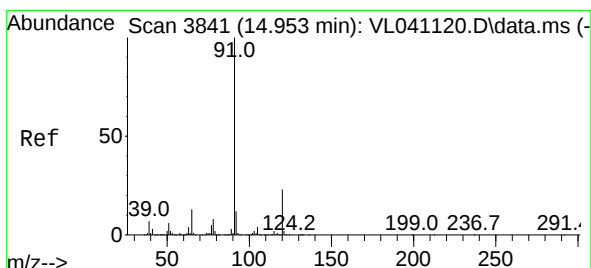
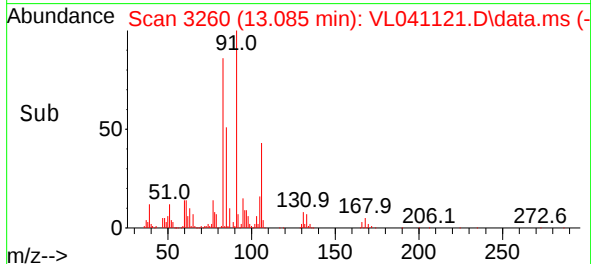
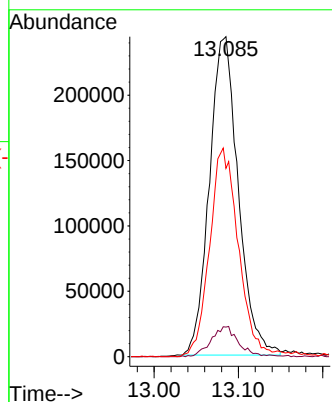
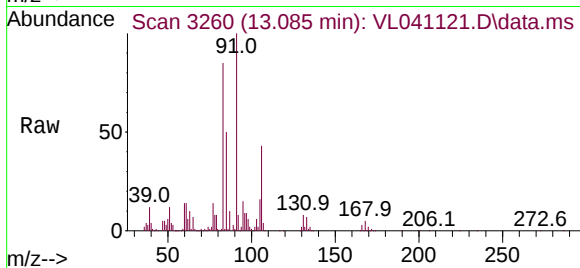




#63
1,1,2,2-Tetrachloroethane
Concen: 2.164 ppbv
RT: 13.085 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

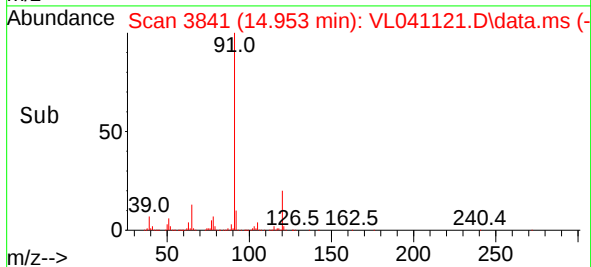
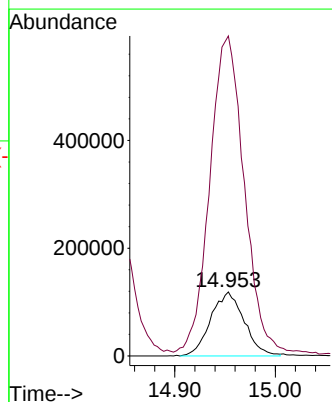
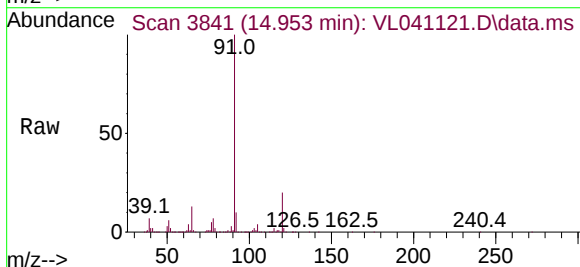
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

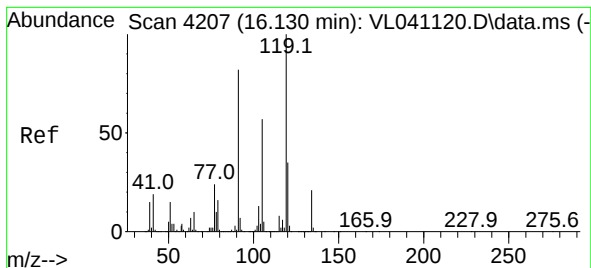
Tgt Ion: 83 Resp: 580875
Ion Ratio Lower Upper
83 100
131 9.2 4.7 14.0
85 66.3 33.1 99.2



#64
n-propylbenzene
Concen: 2.170 ppbv
RT: 14.953 min Scan# 3841
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion:120 Resp: 274321
Ion Ratio Lower Upper
120 100
91 526.5 395.0 592.6





#65

tert-Butylbenzene

Concen: 2.233 ppbv

RT: 16.127 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

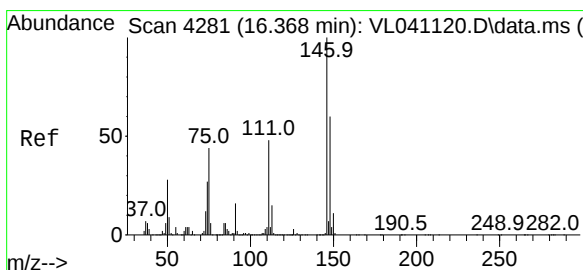
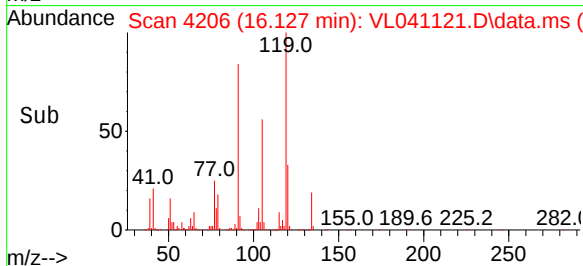
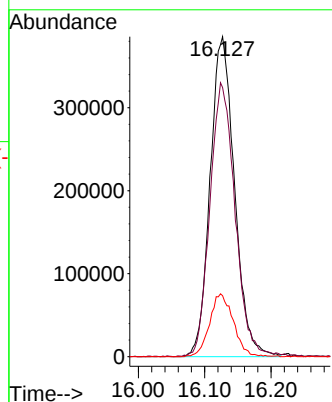
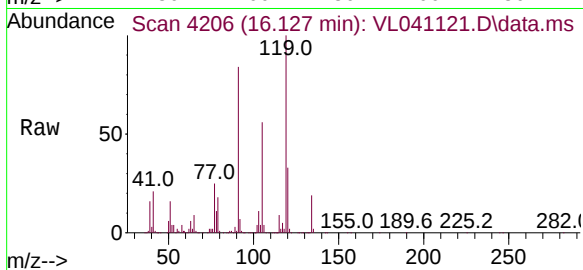
Tgt Ion:119 Resp: 984874

Ion Ratio Lower Upper

119 100

91 88.6 67.8 101.8

134 19.2 16.0 24.0



#66

Benzyl Chloride

Concen: 1.184 ppbv

RT: 16.365 min Scan# 4280

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

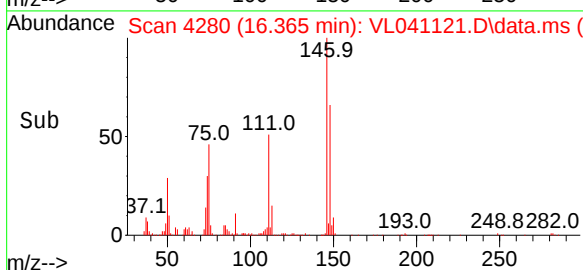
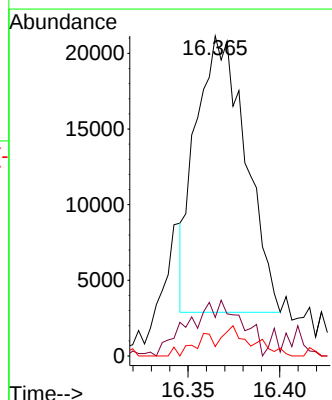
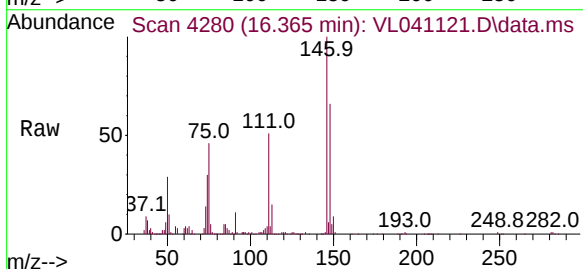
Tgt Ion: 91 Resp: 34420

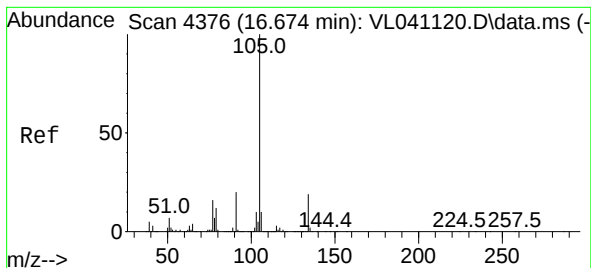
Ion Ratio Lower Upper

91 100

126 21.9 13.4 20.2#

128 10.1 4.3 6.5#





#67

sec-Butylbenzene

Concen: 2.251 ppbv

RT: 16.674 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

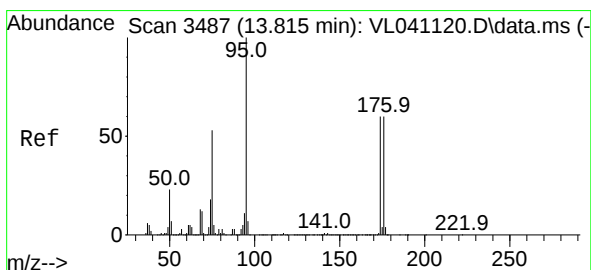
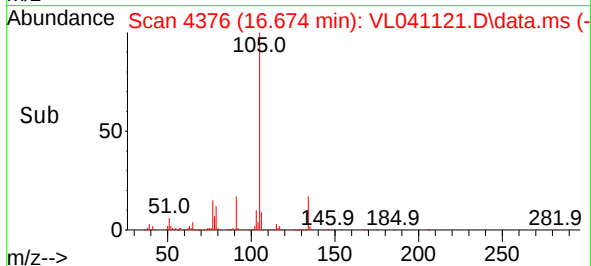
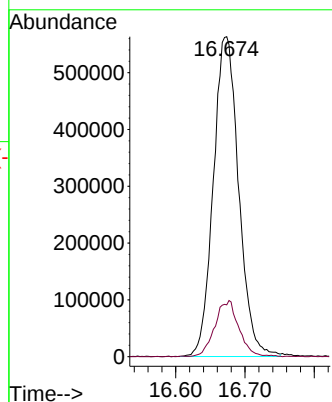
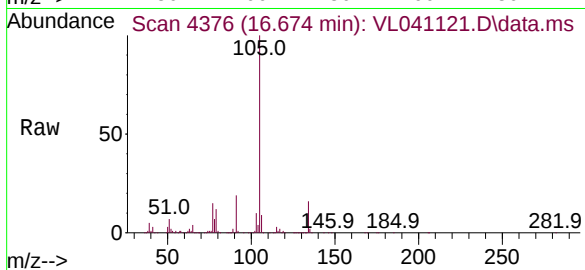
VSTDICC002

Tgt Ion:105 Resp: 1431601

Ion Ratio Lower Upper

105 100

134 16.9 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 9.760 ppbv

RT: 13.812 min Scan# 3486

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

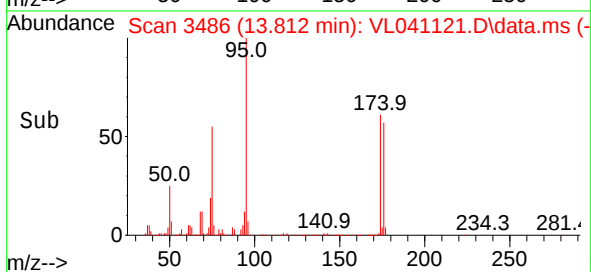
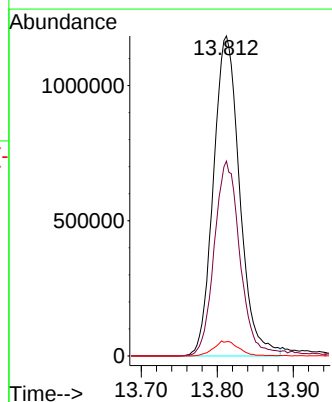
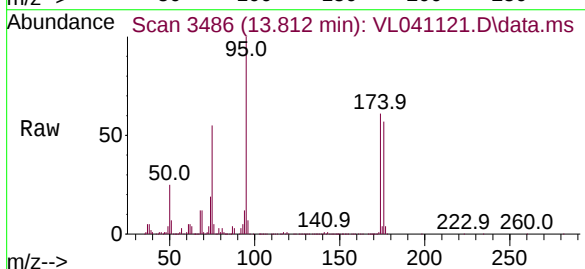
Tgt Ion: 95 Resp: 2841341

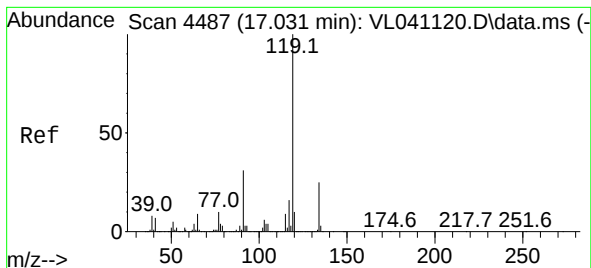
Ion Ratio Lower Upper

95 100

174 61.6 49.3 73.9

175 4.5 3.6 5.4





#69

p-Isopropyltoluene

Concen: 2.275 ppbv

RT: 17.034 min Scan# 4487

Delta R.T. 0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

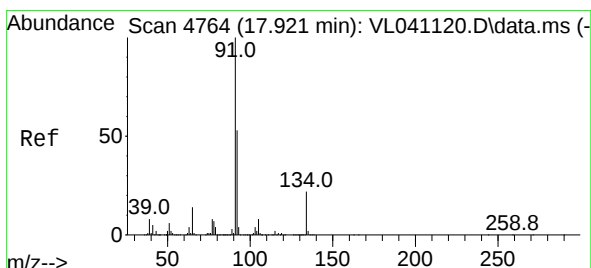
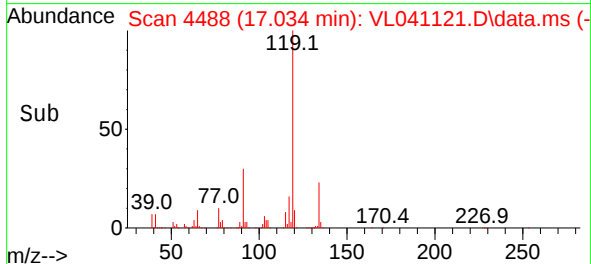
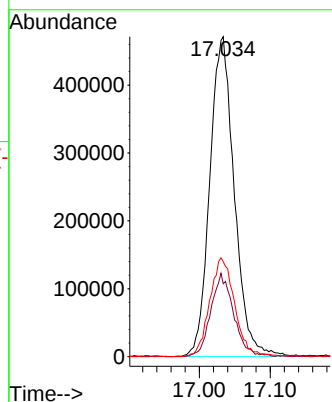
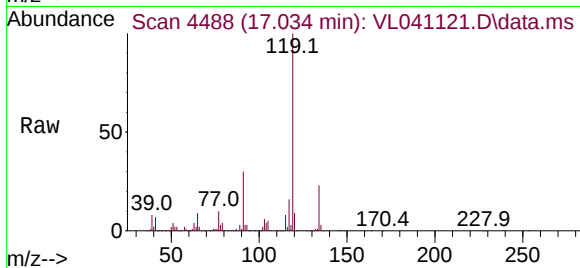
Tgt Ion:119 Resp: 1128286

Ion Ratio Lower Upper

119 100

134 24.4 20.5 30.7

91 31.8 24.8 37.2



#70

n-Butylbenzene

Concen: 2.285 ppbv

RT: 17.921 min Scan# 4764

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

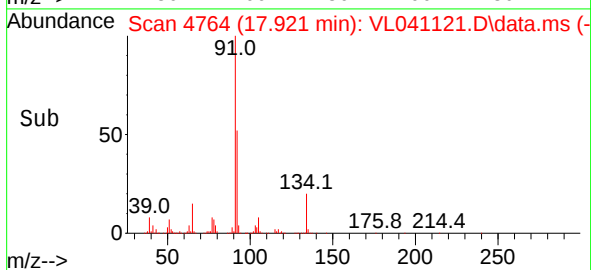
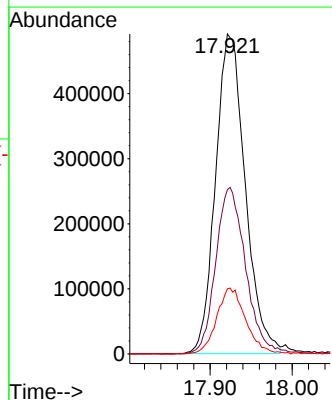
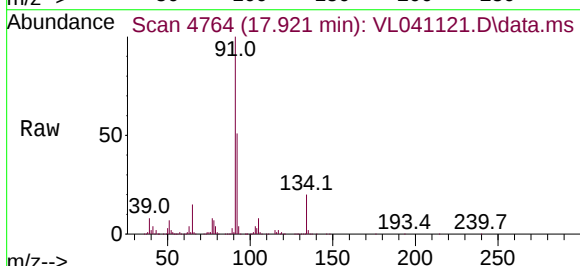
Tgt Ion: 91 Resp: 1234287

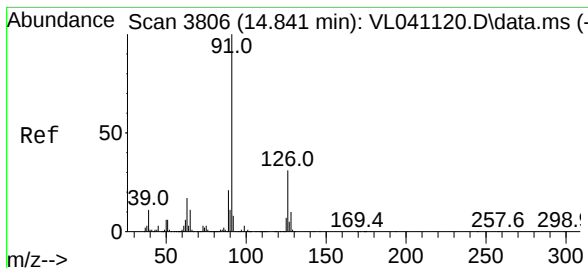
Ion Ratio Lower Upper

91 100

92 53.0 43.4 65.0

134 20.3 17.1 25.7

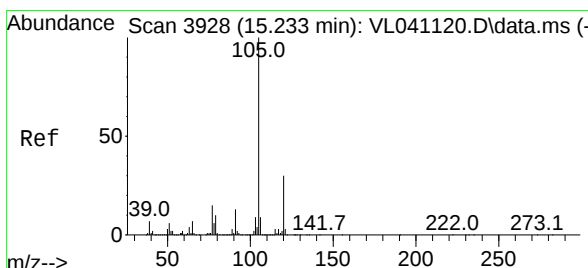
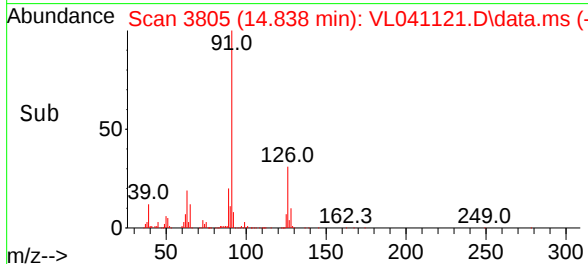
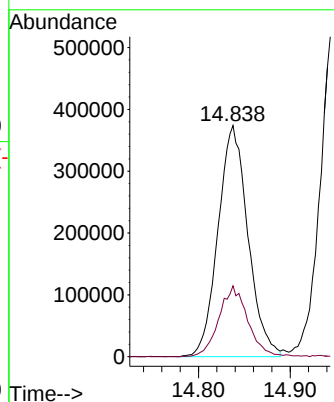
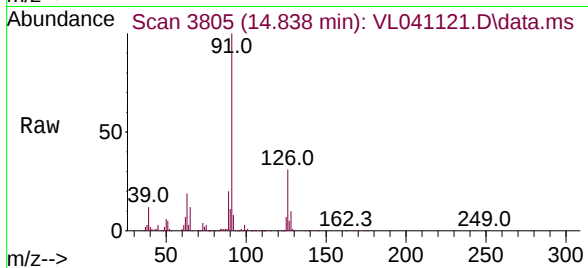




#71
2-Chlorotoluene
Concen: 2.192 ppbv
RT: 14.838 min Scan# 3806
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

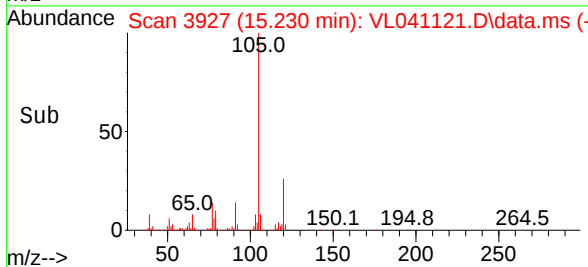
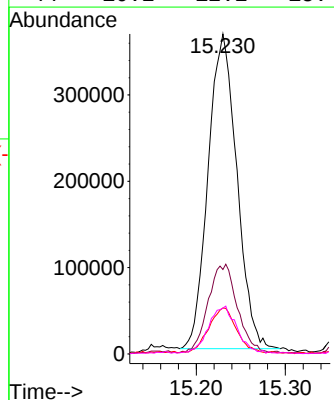
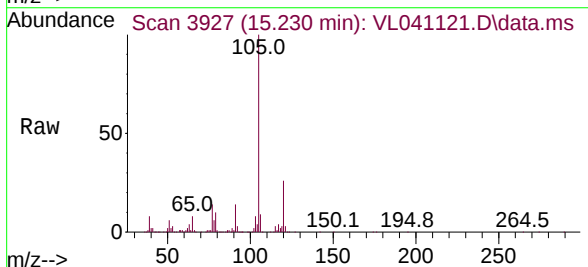
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

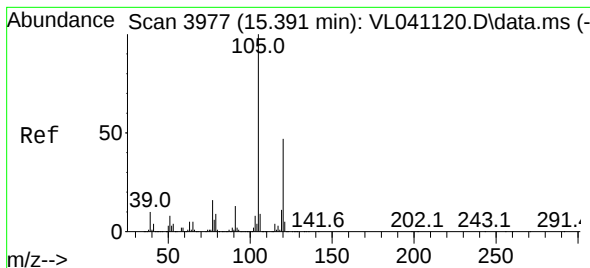
Tgt Ion: 91 Resp: 847772
Ion Ratio Lower Upper
91 100
126 29.6 12.5 50.1



#72
4-Ethyltoluene
Concen: 2.176 ppbv
RT: 15.230 min Scan# 3927
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion:105 Resp: 816714
Ion Ratio Lower Upper
105 100
120 30.0 24.2 36.2
91 14.4 11.2 16.8
77 16.2 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 2.194 ppbv

RT: 15.387 min Scan# 3977

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

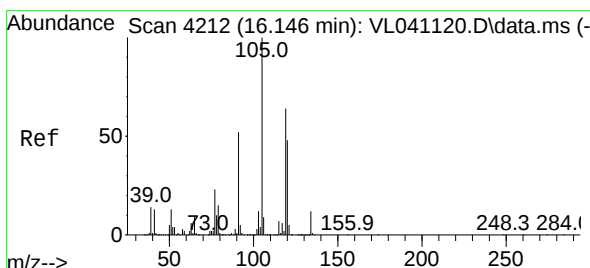
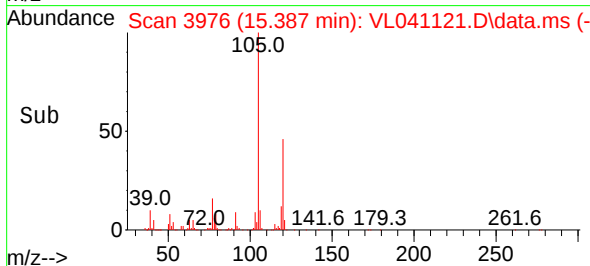
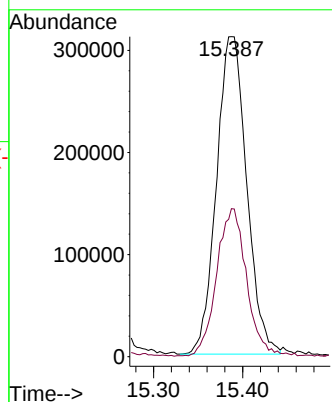
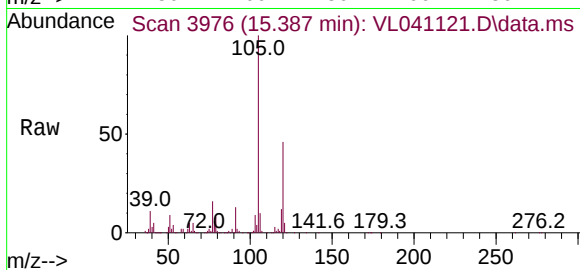
VSTDIC002

Tgt Ion:105 Resp: 732660

Ion Ratio Lower Upper

105 100

120 46.3 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 2.217 ppbv

RT: 16.140 min Scan# 4210

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Tgt Ion:105 Resp: 852802

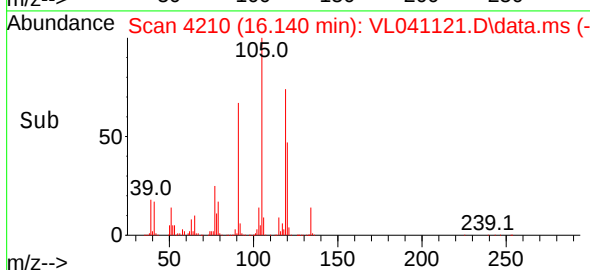
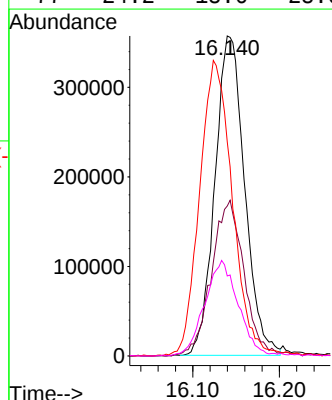
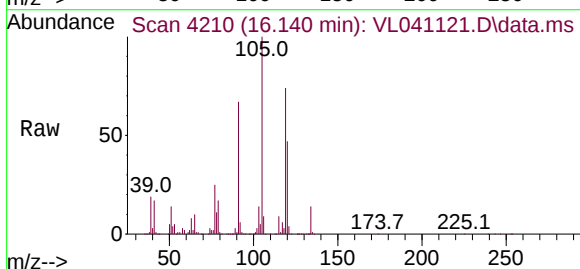
Ion Ratio Lower Upper

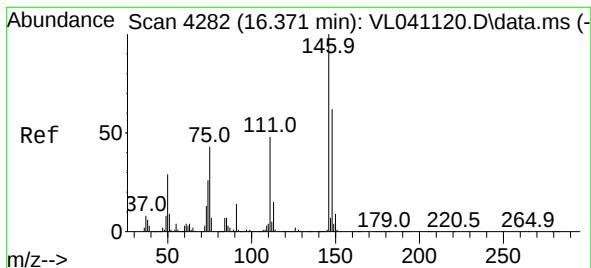
105 100

120 46.3 38.9 58.3

91 65.8 43.0 64.6#

77 24.2 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 2.175 ppbv

RT: 16.368 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

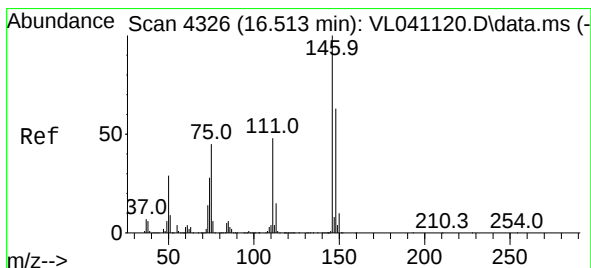
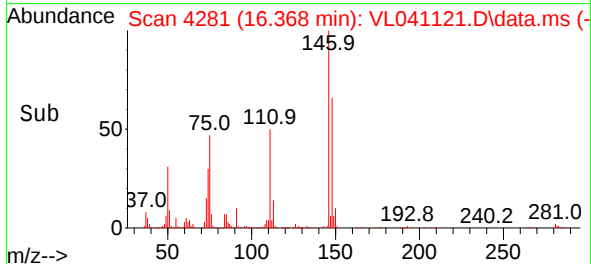
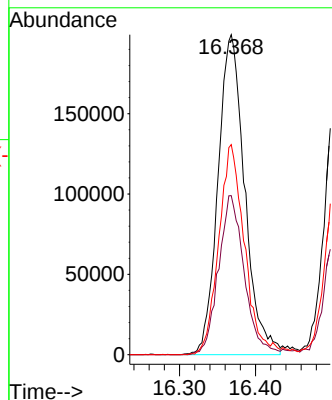
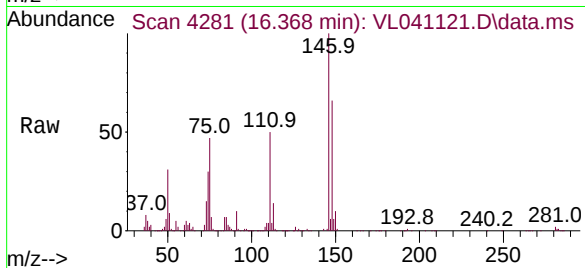
Tgt Ion:146 Resp: 485446

Ion Ratio Lower Upper

146 100

111 48.3 24.1 72.4

148 64.1 32.0 96.2



#76

1,4-Dichlorobenzene

Concen: 2.108 ppbv

RT: 16.513 min Scan# 4326

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

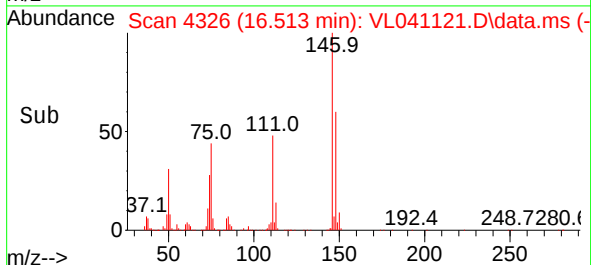
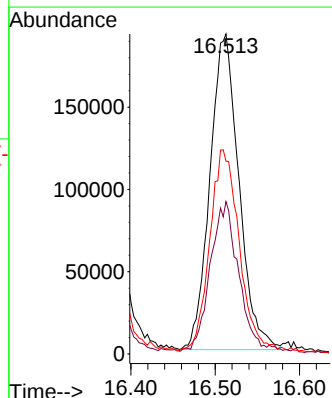
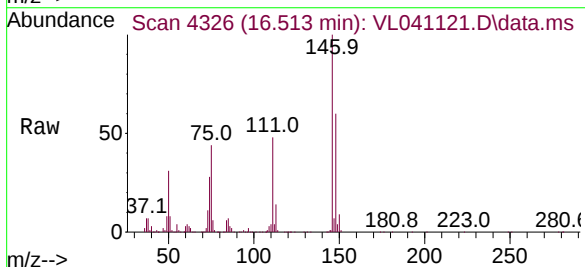
Tgt Ion:146 Resp: 458380

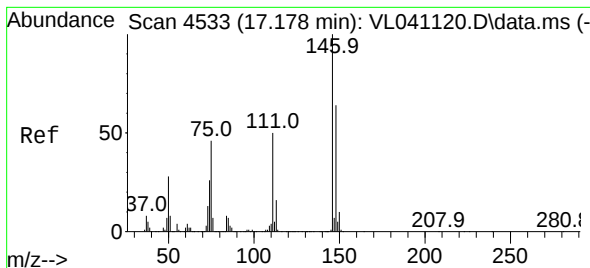
Ion Ratio Lower Upper

146 100

111 48.8 24.1 72.3

148 68.5 33.1 99.2





#77

1,2-Dichlorobenzene

Concen: 1.315 ppbv

RT: 17.178 min Scan# 4533

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

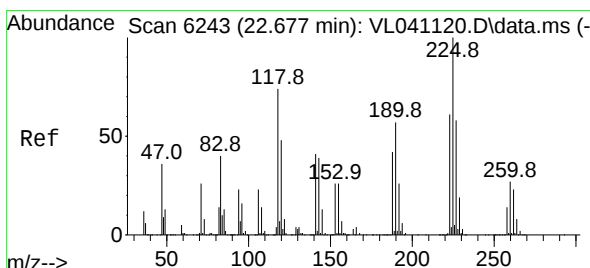
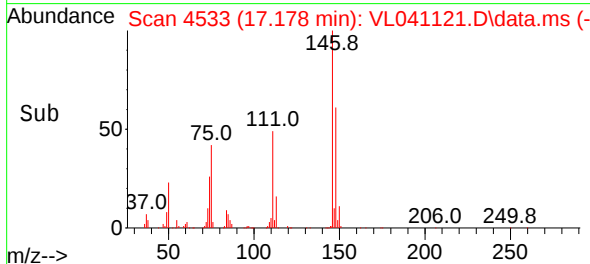
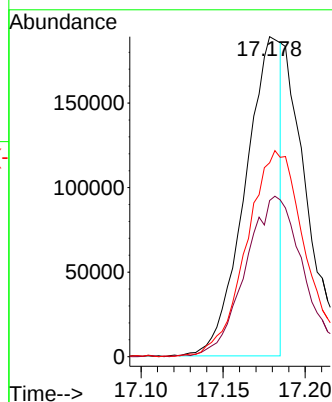
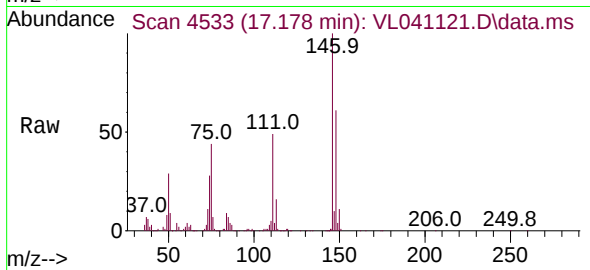
Tgt Ion:146 Resp: 285218

Ion Ratio Lower Upper

146 100

111 85.6 25.1 75.3#

148 109.8 32.6 97.7#



#78

Hexachloro-1,3-Butadiene

Concen: 1.059 ppbv

RT: 22.673 min Scan# 6242

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

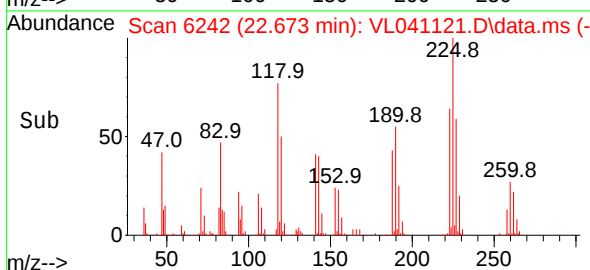
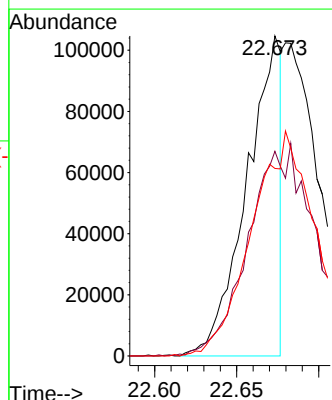
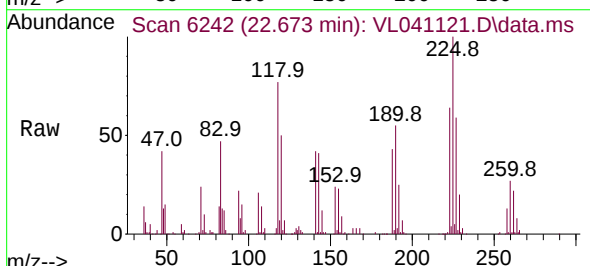
Tgt Ion:225 Resp: 152552

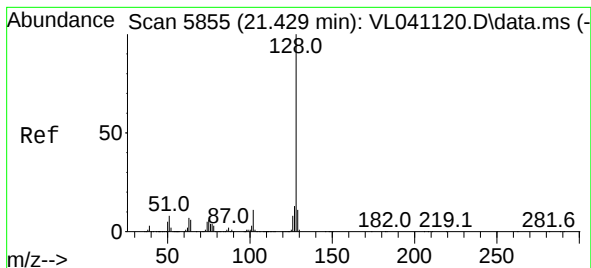
Ion Ratio Lower Upper

225 100

223 0.0 50.9 76.3#

227 0.0 51.3 76.9#





#79

Naphthalene

Concen: 2.495 ppbv

RT: 21.432 min Scan# 5856

Delta R.T. 0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

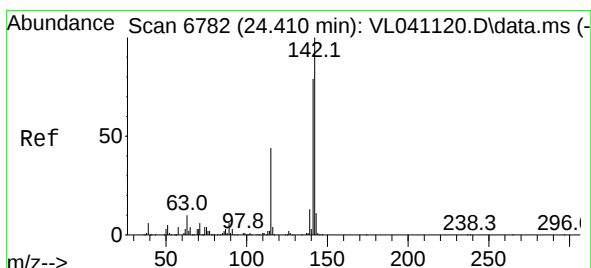
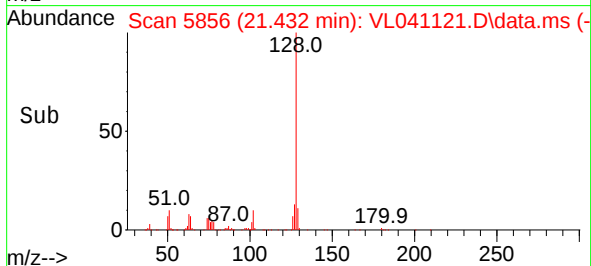
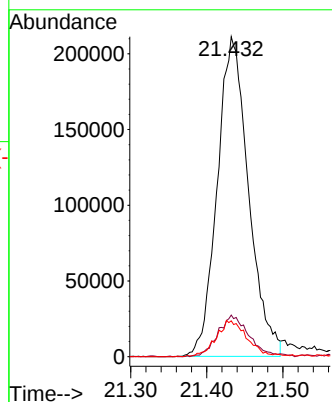
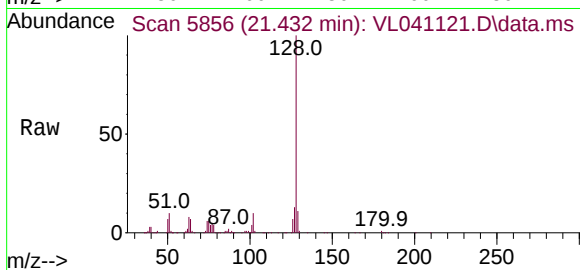
Tgt Ion:128 Resp: 602941

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 11.1 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 2.334 ppbv

RT: 24.416 min Scan# 6784

Delta R.T. 0.006 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

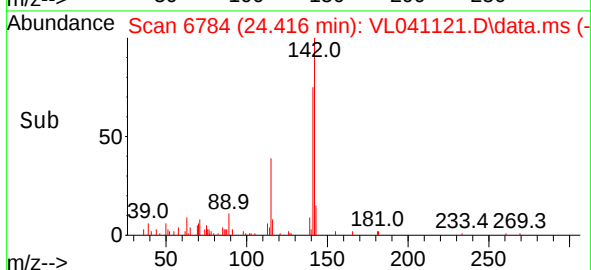
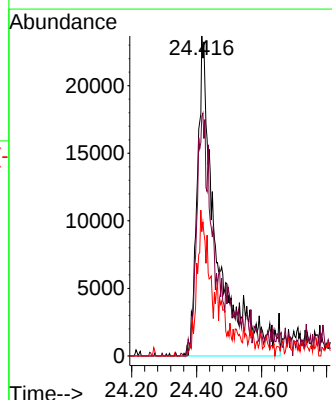
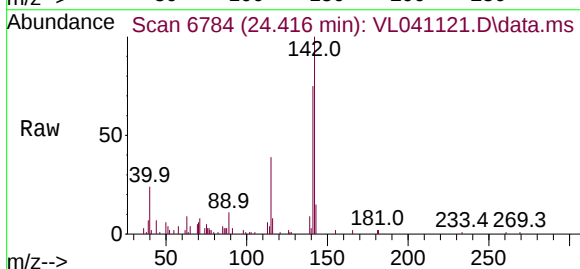
Tgt Ion:142 Resp: 98868

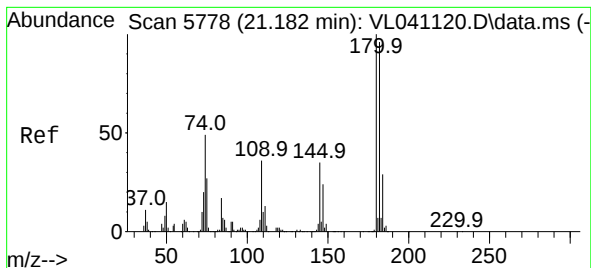
Ion Ratio Lower Upper

142 100

141 70.4 64.4 96.6

115 40.1 33.5 50.3





#81

1,2,4-Trichlorobenzene

Concen: 1.307 ppbv

RT: 21.181 min Scan# 5

Delta R.T. -0.000 min

Lab File: VL041121.D

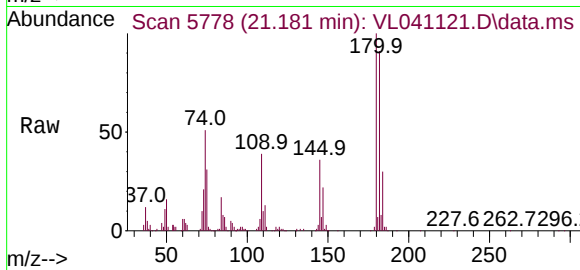
Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:180 Resp: 181963

Ion Ratio Lower Upper

180 100

182 163.9 77.4 116.2#

184 49.7 24.9 37.3#

