

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041321.D
 Acq On : 5 Jun 2024 9:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 06 04:24:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	966248	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2498711	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2453985	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1890257	9.977	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.764	85	1410726	9.143	ppbv	100
3) Chlorodifluoromethane	2.710	51	1403895	9.194	ppbv	100
4) Chloromethane	2.848	50	536100	9.328	ppbv	100
5) Vinyl Chloride	2.951	62	565162	9.761	ppbv	95
6) Bromomethane	3.150	94	192417	9.347	ppbv	99
7) Chloroethane	3.227	64	193118	9.688	ppbv	96
8) Dichlorotetrafluoroethane	2.890	85	1319972	9.302	ppbv	99
9) Propene	2.729	41	503567	9.259	ppbv	99
10) Heptane	7.590	43	1241121	9.628	ppbv	100
11) Trichlorofluoromethane	3.587	101	1338029	9.433	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.086	101	953173	9.514	ppbv	100
13) Ethanol	3.269	45	116384	8.225	ppbv	93
14) Bromoethene	3.395	108	392881	9.689	ppbv	99
15) Acetone	3.494	43	1020198	9.248	ppbv	99
16) 1,3-Butadiene	3.015	39	556190	10.029	ppbv	100
17) tert-Butyl alcohol	3.903	59	1004853	9.893	ppbv	99
18) 1,1-Dichloroethene	3.906	96	427819	10.010	ppbv	91
19) Isopropyl Alcohol	3.600	45	737099	10.635	ppbv	99
20) Methylene Chloride	3.957	84	359580	8.968	ppbv	93
21) Allyl Chloride	4.021	41	689496	9.865	ppbv	100
22) trans-1,2-Dichloroethene	4.465	96	430394	9.663	ppbv	96
23) Vinyl Acetate	4.645	43	1190130	10.548	ppbv	100
24) 1,1-Dichloroethane	4.584	63	947338	9.544	ppbv	99
25) Ethyl Acetate	5.221	43	2053637	9.410	ppbv	100
26) Hexane	5.230	57	896703	9.136	ppbv	99
27) Carbon Disulfide	4.147	76	1121745	10.318	ppbv	98
28) Methyl tert-Butyl Ether	4.607	73	692775	9.524	ppbv	100
29) Chloroform	5.292	83	1393550	9.254	ppbv	100
30) Cyclohexane	6.616	84	750935	9.439	ppbv	100
31) cis-1,2-Dichloroethene	5.095	61	901903	9.724	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1383132	9.697	ppbv	99
34) 2-Butanone	4.803	43	1134434	9.477	ppbv	96
35) Carbon Tetrachloride	6.507	117	1424577	10.031	ppbv	97
36) Benzene	6.385	78	1897917	9.800	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1094912	9.697	ppbv	100
38) Trichloroethene	7.304	130	739155	9.417	ppbv	99
39) 1,2-Dichloropropane	7.086	63	740806	9.606	ppbv	97
40) 1,4-Dioxane	7.295	88	294809	10.438	ppbv	87
41) Tetrahydrofuran	5.571	42	813248	10.441	ppbv	98
42) Bromodichloromethane	7.263	83	1575141	9.713	ppbv	100
43) Methyl Methacrylate	7.481	69	777636	10.538	ppbv	99
44) 2,2,4-Trimethylpentane	7.340	57	3223439	9.677	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	564737	11.341	ppbv	99

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 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

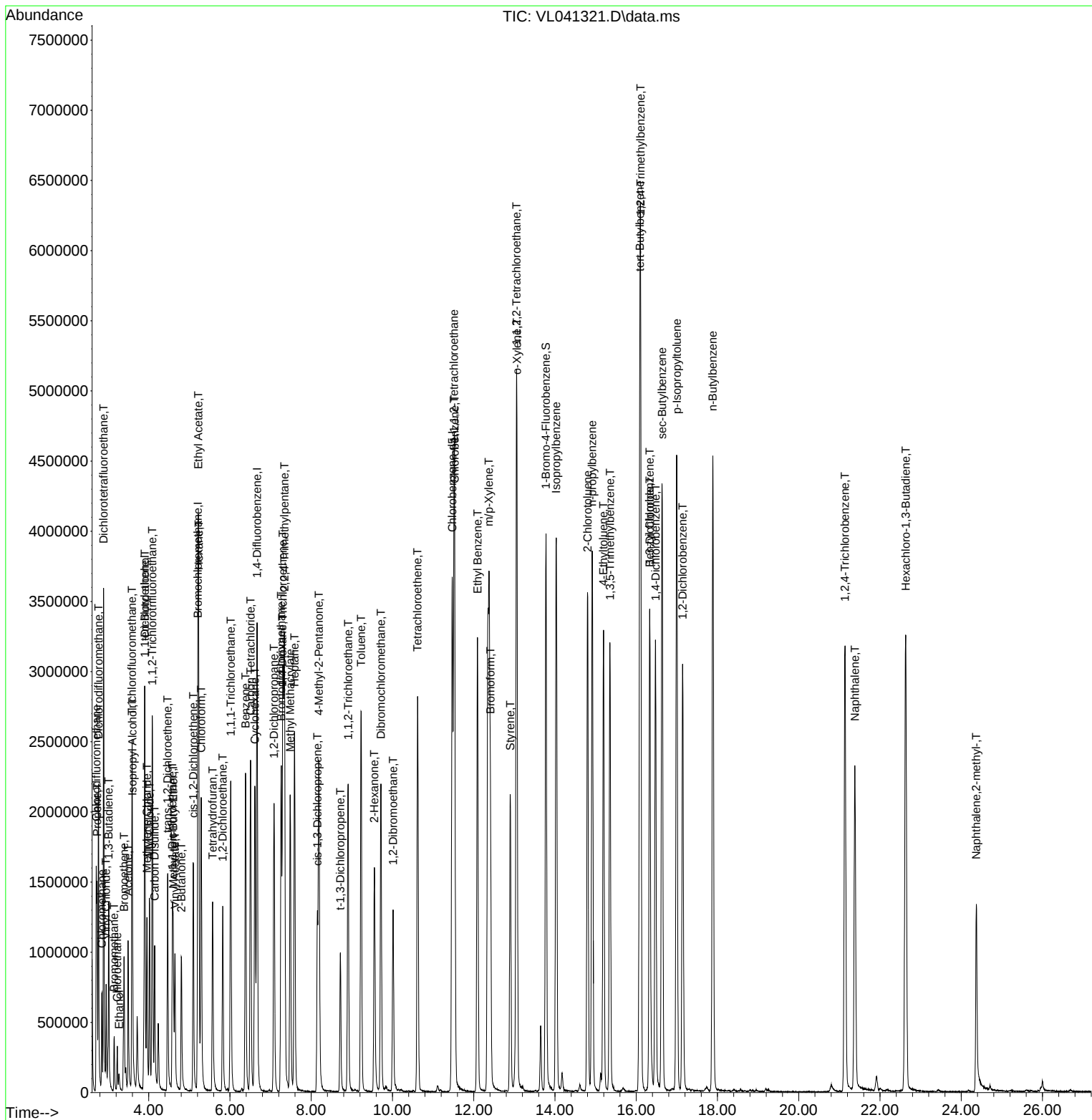
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

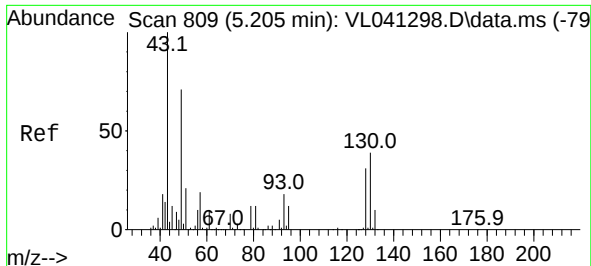
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	685986	10.702	ppbv	97
47) 1,1,2-Trichloroethane	8.909	97	776394	9.634	ppbv	97
48) Dibromochloromethane	9.716	129	1349922	10.164	ppbv	99
49) Bromoform	12.410	173	1115003	10.418	ppbv	99
50) 4-Methyl-2-Pentanone	8.189	43	2026237	10.226	ppbv	100
51) 2-Hexanone	9.555	43	1490413	10.582	ppbv	99
52) Tetrachloroethene	10.619	164	679660	9.623	ppbv	98
53) Toluene	9.227	91	2236688	10.040	ppbv	98
54) 1,2-Dibromoethane	10.015	107	1096385	10.435	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.513	131	977266	9.416	ppbv	99
57) Chlorobenzene	11.532	112	1708363	9.372	ppbv	98
58) Ethyl Benzene	12.095	91	3023561	9.612	ppbv	98
59) m/p-Xylene	12.375	91	2893275	10.735	ppbv #	49
60) o-Xylene	13.063	91	2419200	9.416	ppbv	99
61) Styrene	12.902	104	1311544	10.412	ppbv	99
62) Isopropylbenzene	14.031	105	3632092	9.347	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	1707890	9.343	ppbv	99
64) n-propylbenzene	14.918	120	955746	9.543	ppbv	99
65) tert-Butylbenzene	16.089	119	3172277	9.183	ppbv	99
66) Benzyl Chloride	16.330	91	245432	10.799	ppbv	98
67) sec-Butylbenzene	16.635	105	4509122	9.240	ppbv	100
69) p-Isopropyltoluene	16.998	119	3736449	9.291	ppbv	100
70) n-Butylbenzene	17.886	91	3951078	9.470	ppbv	100
71) 2-Chlorotoluene	14.806	91	2781896	9.354	ppbv	100
72) 4-Ethyltoluene	15.195	105	2934791	9.805	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2516355	9.686	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2750380	9.361	ppbv #	88
75) 1,3-Dichlorobenzene	16.333	146	1644913	9.537	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	1634938	9.487	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1585942	9.186	ppbv	99
78) Hexachloro-1,3-Butadiene	22.635	225	970640	6.860	ppbv	99
79) Naphthalene	21.381	128	2923397	11.467	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	961670	11.170	ppbv	96
81) 1,2,4-Trichlorobenzene	21.140	180	1394734	9.811	ppbv #	99

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

Quant Time: Jun 06 04:24:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
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QLast Update : Wed Jun 05 04:42:10 2024
Response via : Initial Calibration

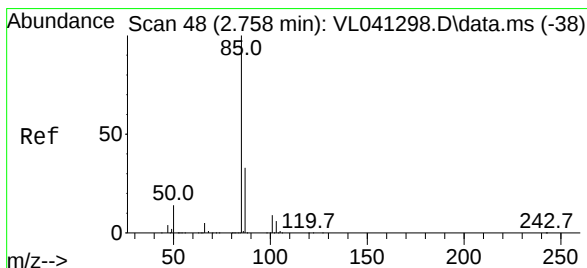
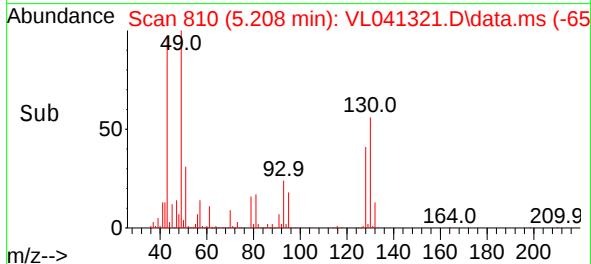
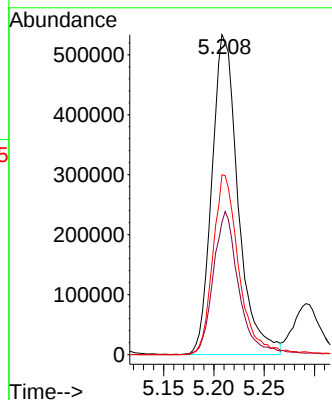
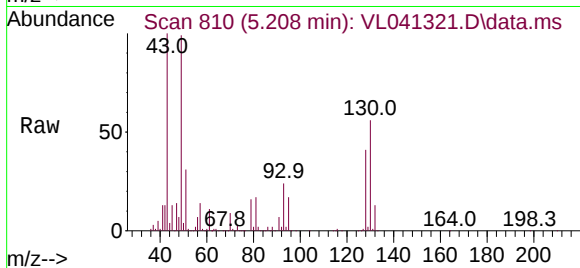




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.208 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL041321.D
 Acq: 5 Jun 2024 9:27

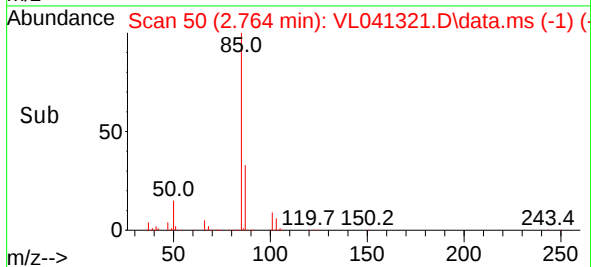
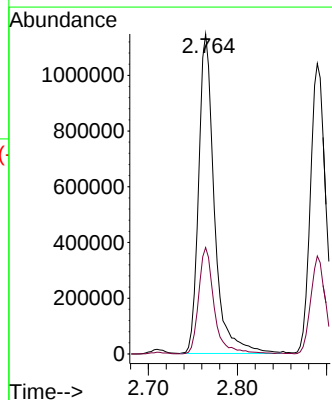
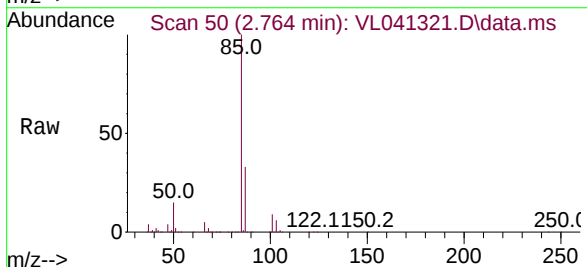
Instrument :
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 ClientSampleId :
 VSTDCCC010

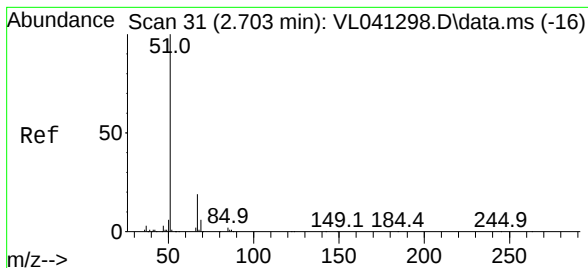
Tgt Ion: 49 Resp: 966248
 Ion Ratio Lower Upper
 49 100
 128 44.3 22.8 68.3
 130 57.0 28.4 85.3



#2
 Dichlorodifluoromethane
 Concen: 9.143 ppbv
 RT: 2.764 min Scan# 50
 Delta R.T. 0.007 min
 Lab File: VL041321.D
 Acq: 5 Jun 2024 9:27

Tgt Ion: 85 Resp: 1410726
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.5 39.7

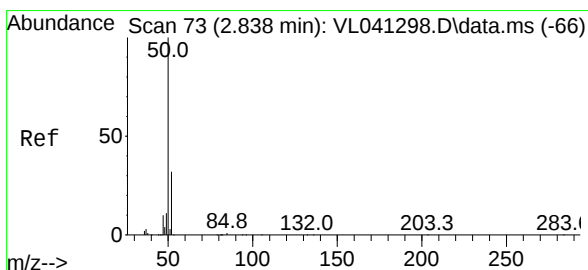
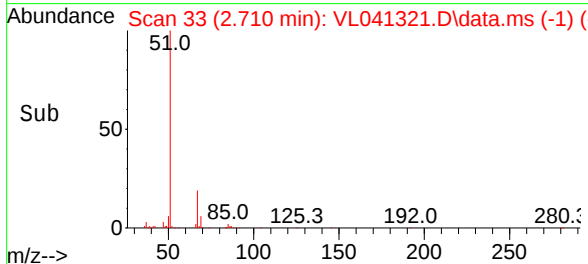
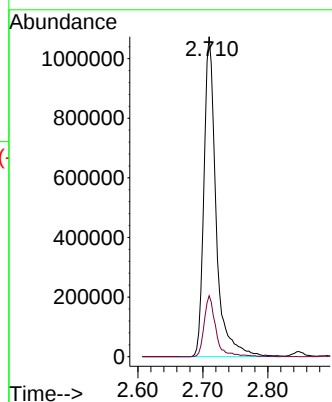
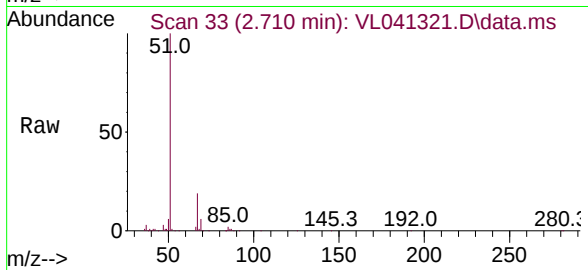




#3
Chlorodifluoromethane
Concen: 9.194 ppbv
RT: 2.710 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

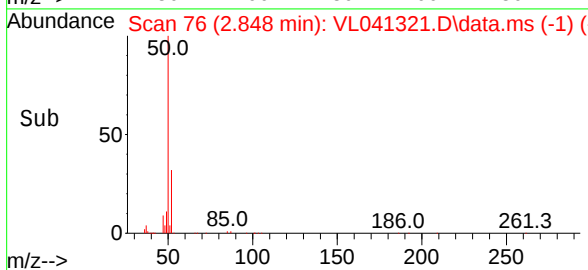
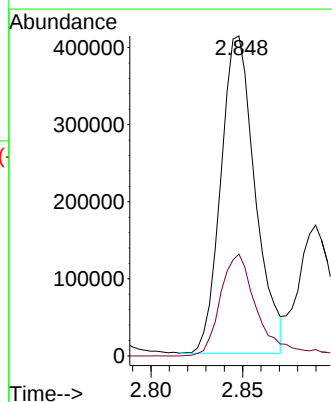
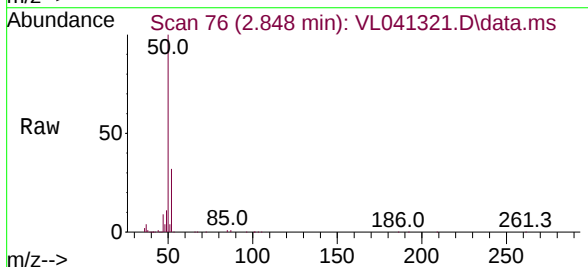
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ClientSampleId :
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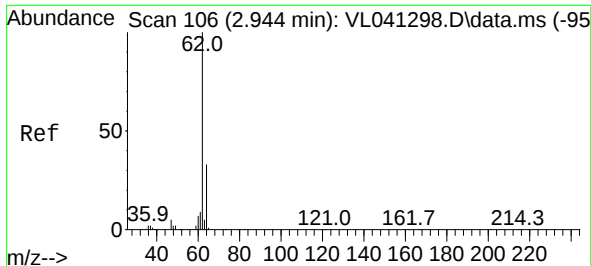
Tgt Ion: 51 Resp: 1403895
Ion Ratio Lower Upper
51 100
67 18.5 14.7 22.1



#4
Chloromethane
Concen: 9.328 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.010 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion: 50 Resp: 536100
Ion Ratio Lower Upper
50 100
52 32.1 25.6 38.4

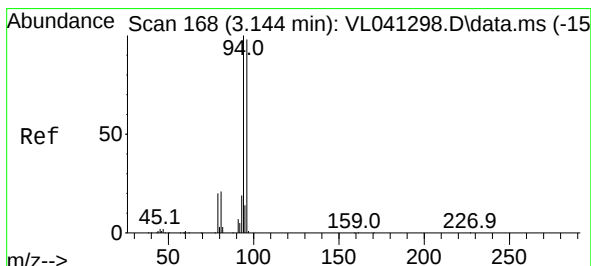
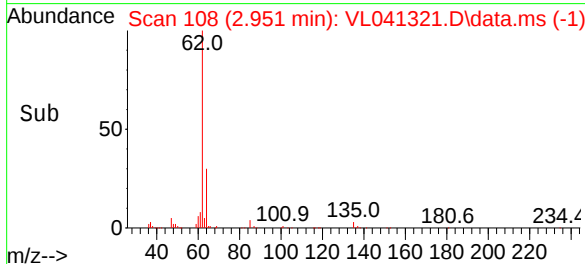
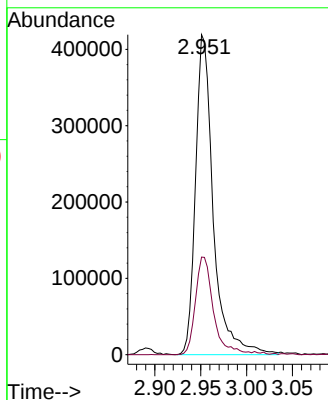
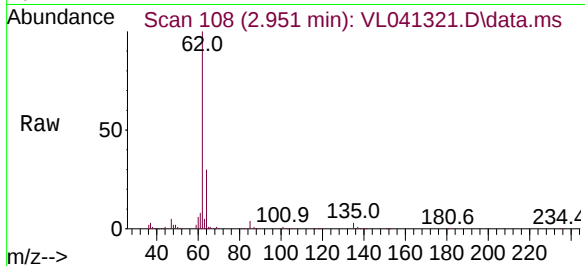




#5
 Vinyl Chloride
 Concen: 9.761 ppbv
 RT: 2.951 min Scan# 106
 Delta R.T. 0.007 min
 Lab File: VL041321.D
 Acq: 5 Jun 2024 9:27

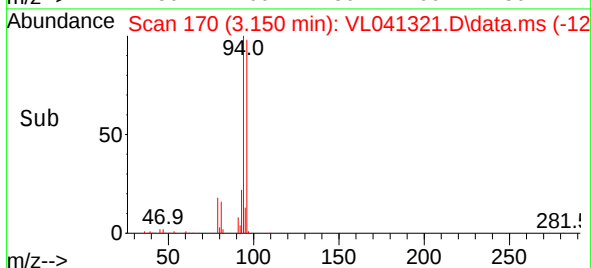
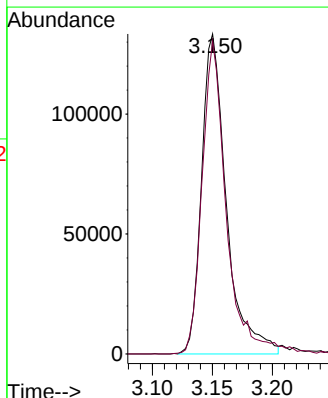
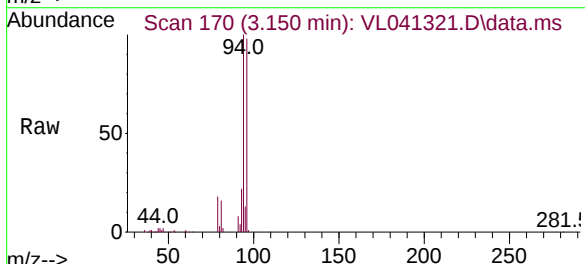
Instrument :
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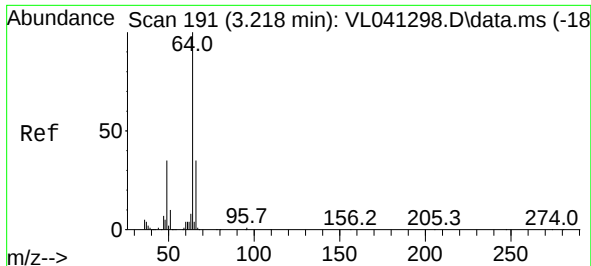
Tgt Ion: 62 Resp: 565162
 Ion Ratio Lower Upper
 62 100
 64 30.4 26.6 40.0



#6
 Bromomethane
 Concen: 9.347 ppbv
 RT: 3.150 min Scan# 170
 Delta R.T. 0.007 min
 Lab File: VL041321.D
 Acq: 5 Jun 2024 9:27

Tgt Ion: 94 Resp: 192417
 Ion Ratio Lower Upper
 94 100
 96 97.5 78.6 117.8

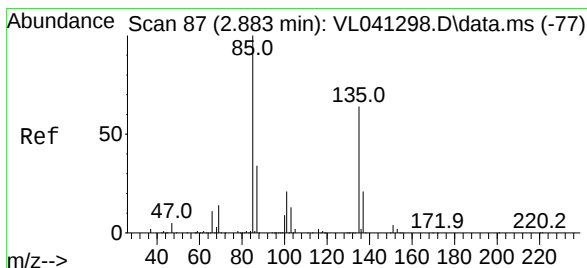
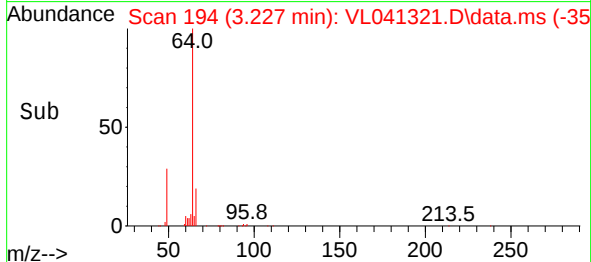
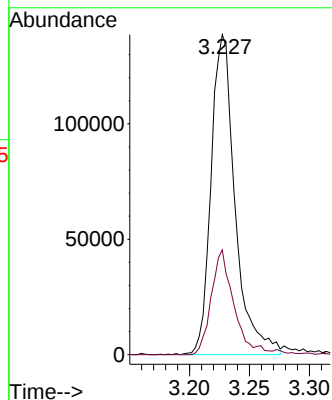
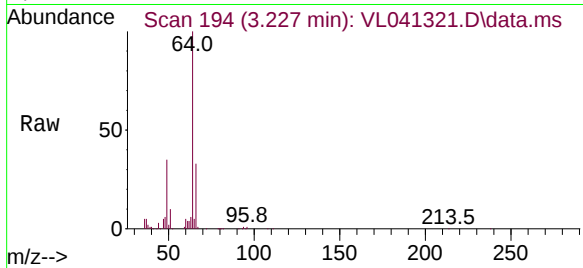




#7
Chloroethane
Concen: 9.688 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.010 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

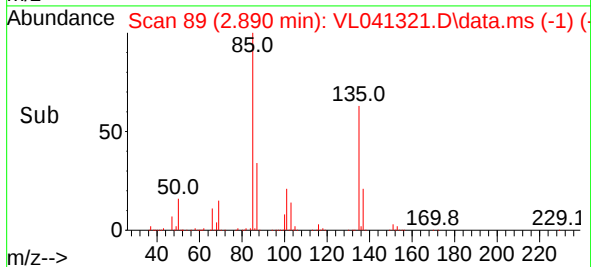
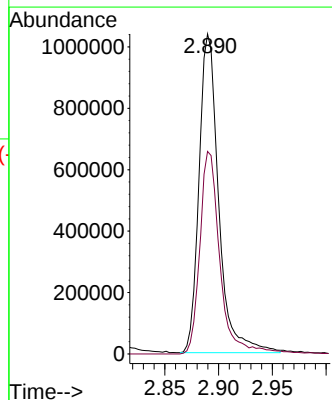
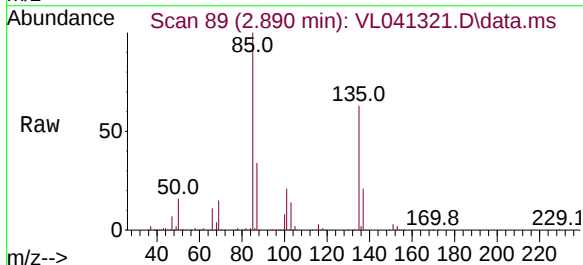
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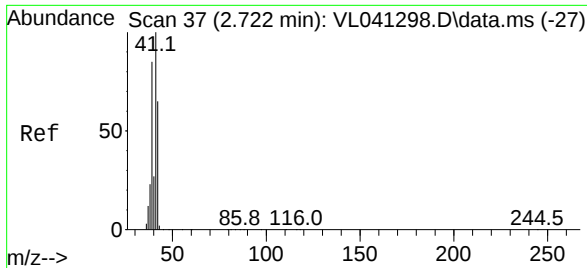
Tgt Ion: 64 Resp: 193118
Ion Ratio Lower Upper
64 100
66 32.8 28.1 42.1



#8
Dichlorotetrafluoroethane
Concen: 9.302 ppbv
RT: 2.890 min Scan# 89
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion: 85 Resp: 1319972
Ion Ratio Lower Upper
85 100
135 65.4 51.7 77.5

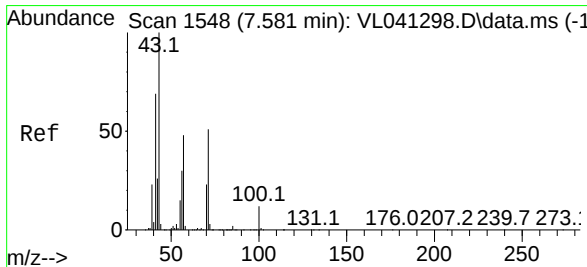
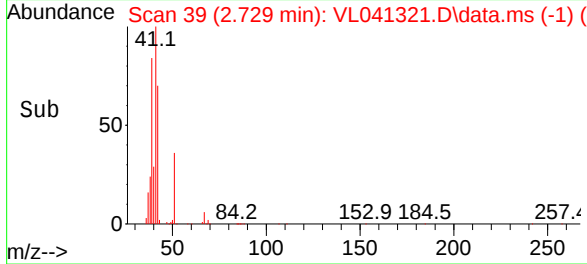
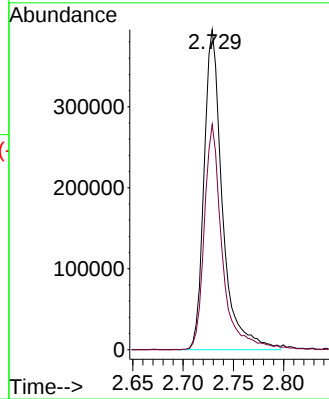
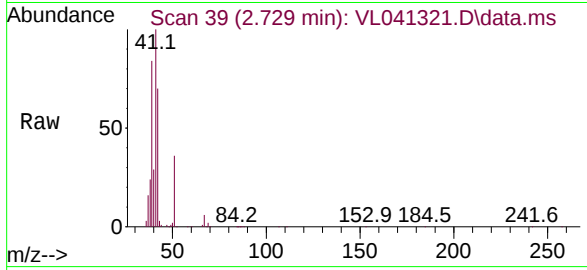




#9
Propene
Concen: 9.259 ppbv
RT: 2.729 min Scan# 30
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

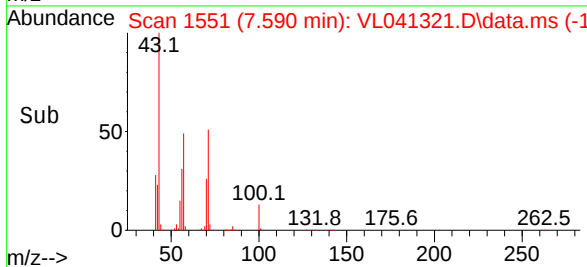
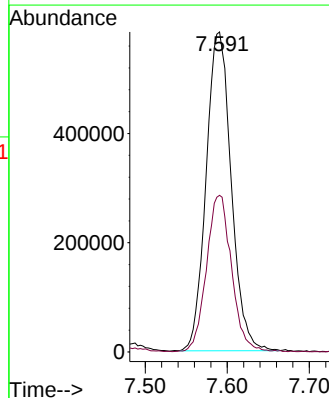
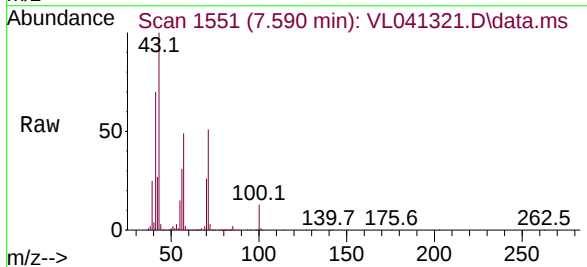
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

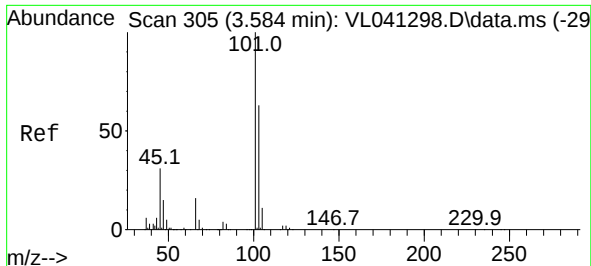
Tgt Ion: 41 Resp: 503567
Ion Ratio Lower Upper
41 100
42 69.5 55.2 82.8



#10
Heptane
Concen: 9.628 ppbv
RT: 7.590 min Scan# 1551
Delta R.T. 0.010 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion: 43 Resp: 1241121
Ion Ratio Lower Upper
43 100
57 48.9 39.0 58.4





#11

Trichlorofluoromethane

Concen: 9.433 ppbv

RT: 3.587 min Scan# 305

Delta R.T. 0.003 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

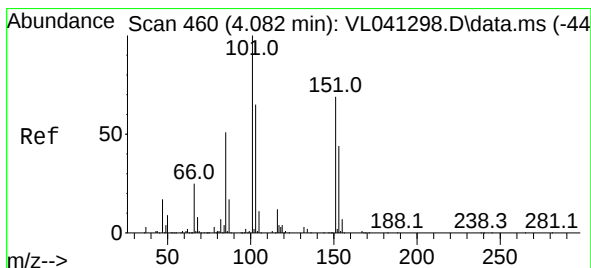
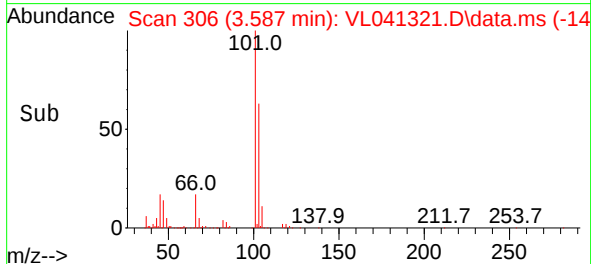
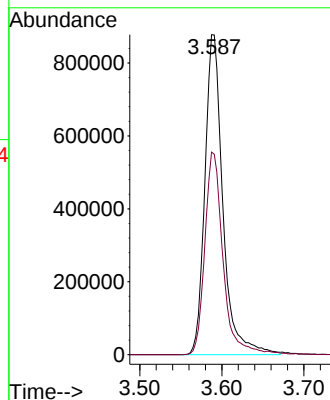
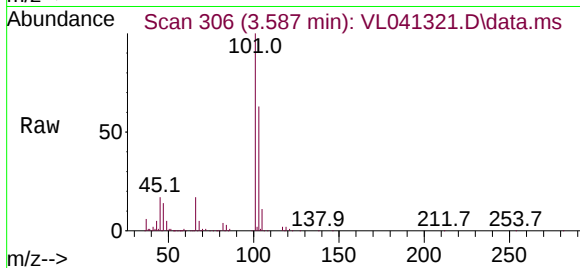
VSTDCCC010

Tgt Ion:101 Resp: 1338029

Ion Ratio Lower Upper

101 100

103 63.3 50.6 76.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.514 ppbv

RT: 4.086 min Scan# 461

Delta R.T. 0.003 min

Lab File: VL041321.D

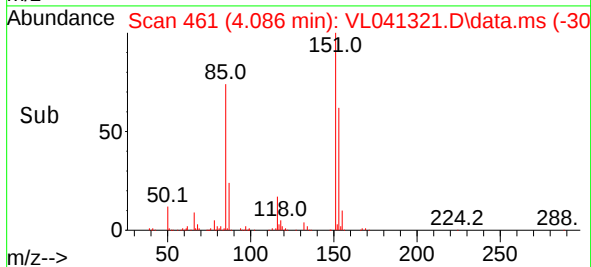
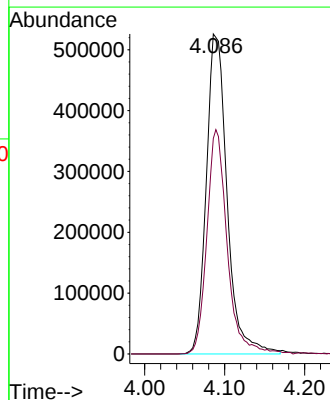
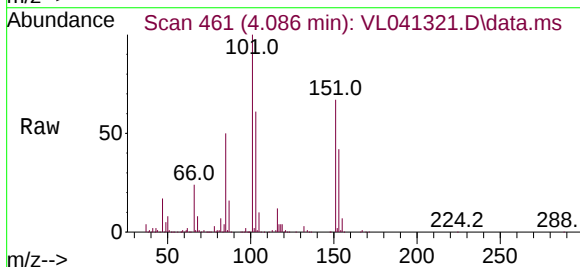
Acq: 5 Jun 2024 9:27

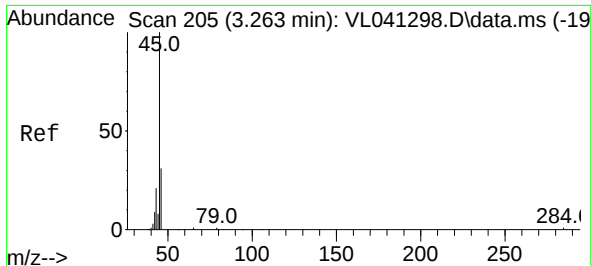
Tgt Ion:101 Resp: 953173

Ion Ratio Lower Upper

101 100

151 68.8 54.8 82.2





#13

Ethanol

Concen: 8.225 ppbv

RT: 3.269 min Scan# 205

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

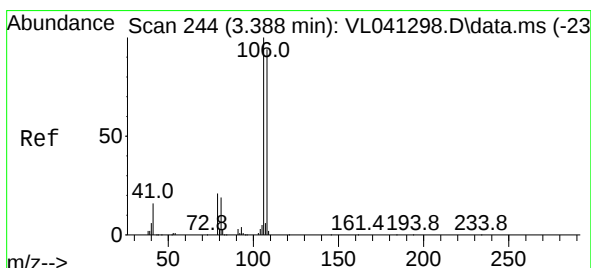
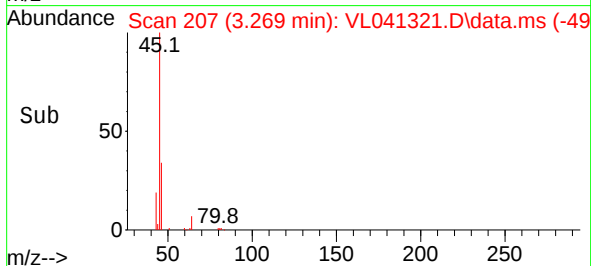
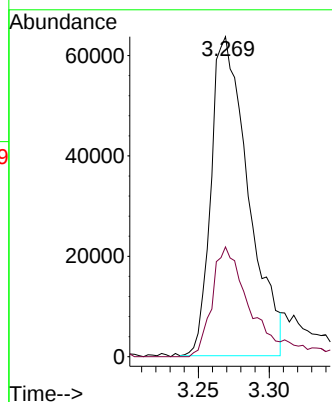
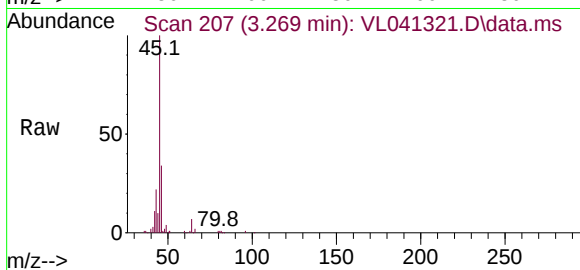
VSTDCCC010

Tgt Ion: 45 Resp: 116384

Ion Ratio Lower Upper

45 100

46 39.4 14.2 56.6



#14

Bromoethene

Concen: 9.689 ppbv

RT: 3.395 min Scan# 246

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

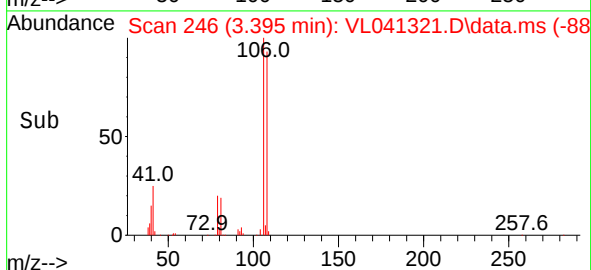
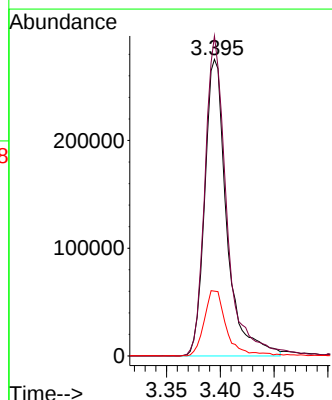
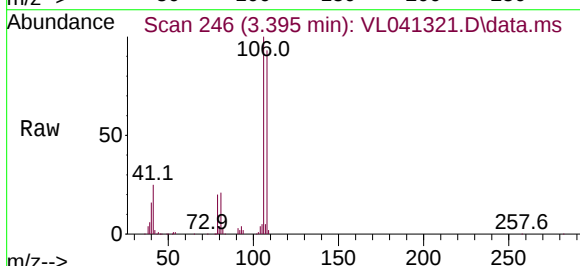
Tgt Ion: 108 Resp: 392881

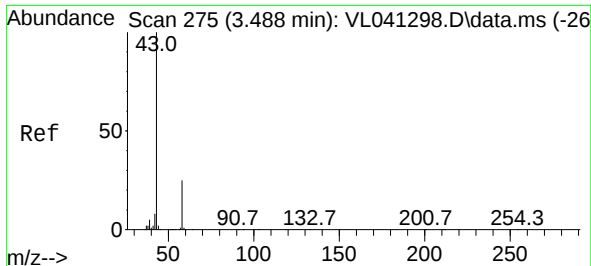
Ion Ratio Lower Upper

108 100

106 108.4 85.4 128.0

79 22.5 17.8 26.8

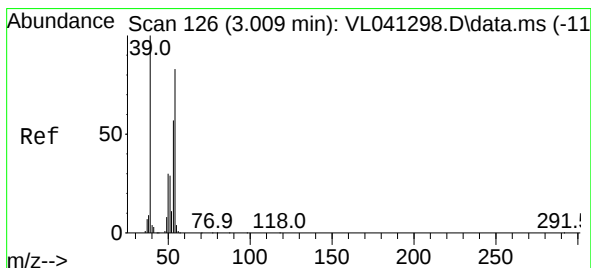
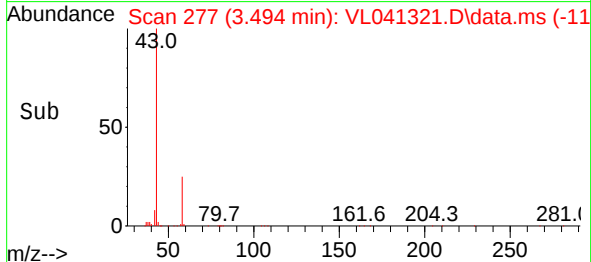
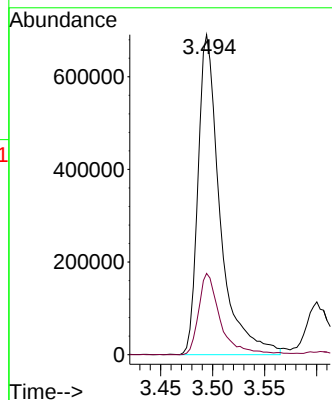
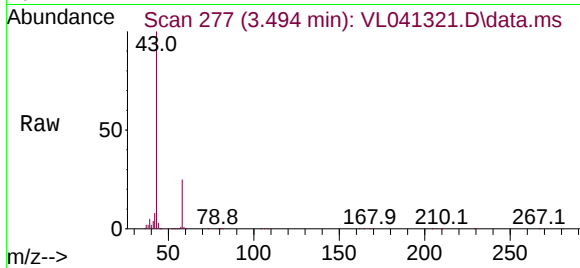




#15
Acetone
Concen: 9.248 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

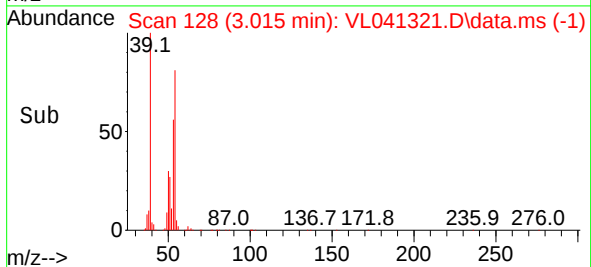
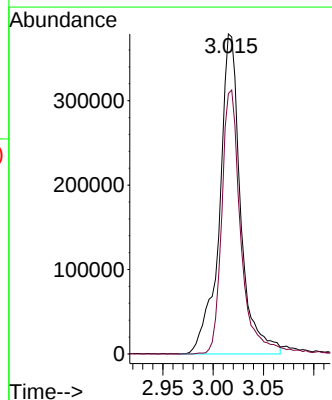
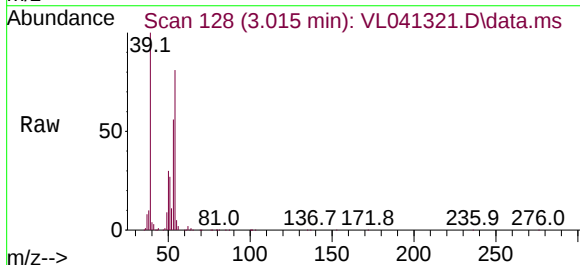
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

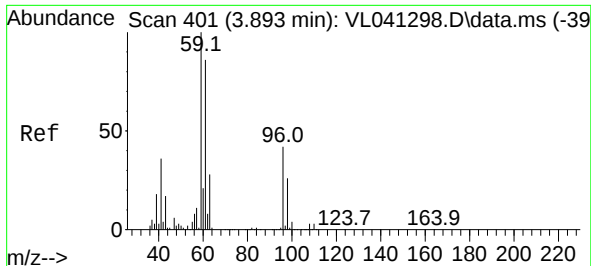
Tgt Ion: 43 Resp: 1020198
Ion Ratio Lower Upper
43 100
58 25.1 20.6 31.0



#16
1,3-Butadiene
Concen: 10.029 ppbv
RT: 3.015 min Scan# 128
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion: 39 Resp: 556190
Ion Ratio Lower Upper
39 100
54 75.3 60.5 90.7





#17

tert-Butyl alcohol

Concen: 9.893 ppbv

RT: 3.903 min Scan# 401

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

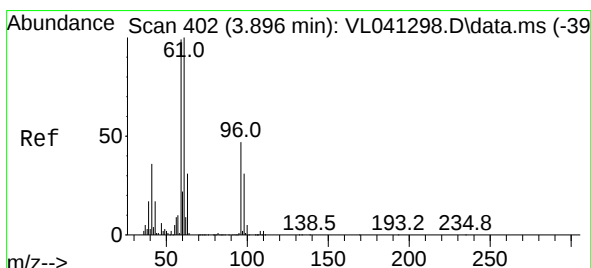
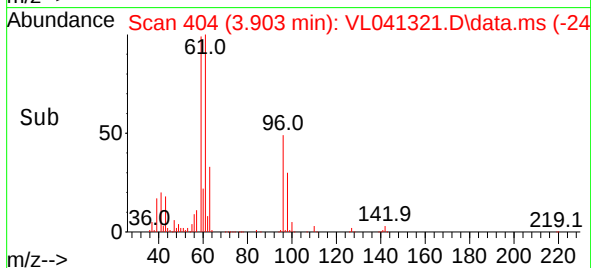
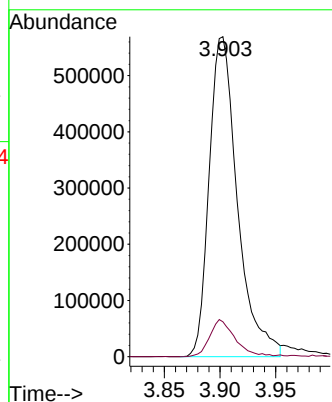
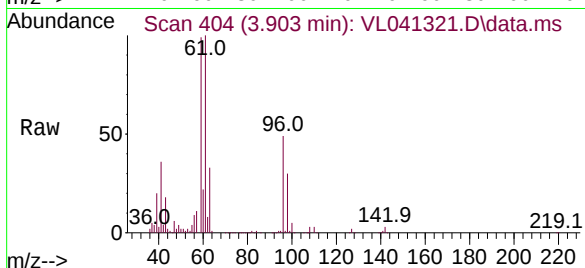
VSTDCCC010

Tgt Ion: 59 Resp: 1004853

Ion Ratio Lower Upper

59 100

57 10.7 9.0 13.4



#18

1,1-Dichloroethene

Concen: 10.010 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

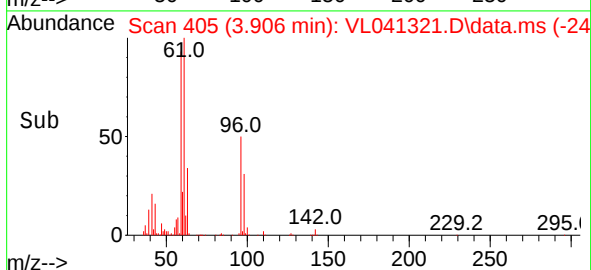
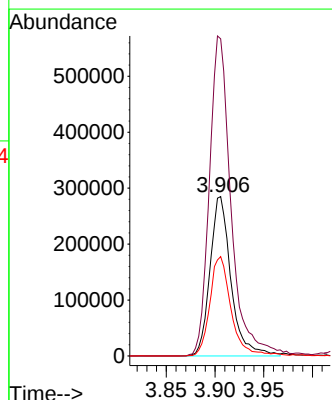
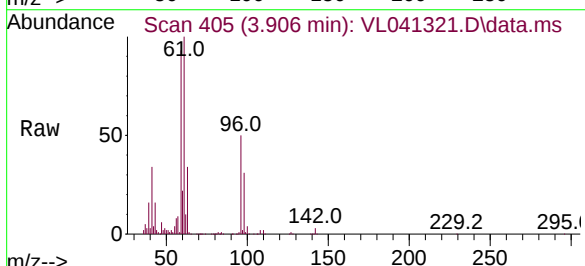
Tgt Ion: 96 Resp: 427819

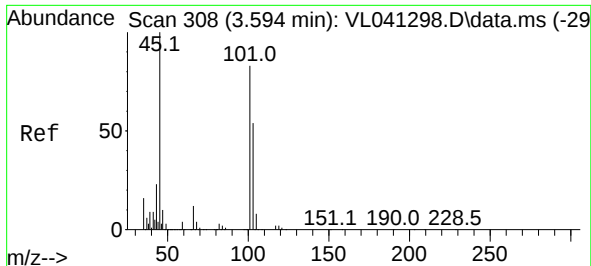
Ion Ratio Lower Upper

96 100

61 199.0 171.8 257.8

98 62.3 53.1 79.7





#19

Isopropyl Alcohol

Concen: 10.635 ppbv

RT: 3.600 min Scan# 310

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_1

ClientSampleId :

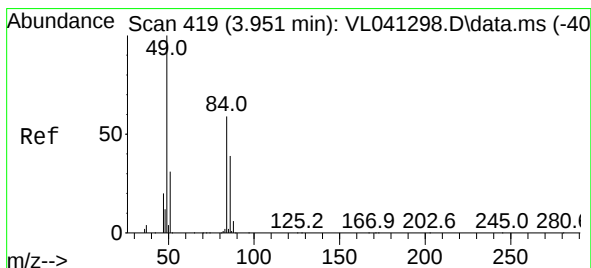
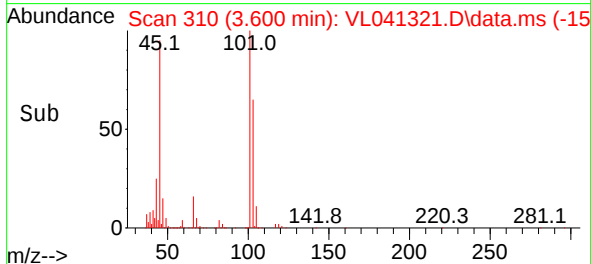
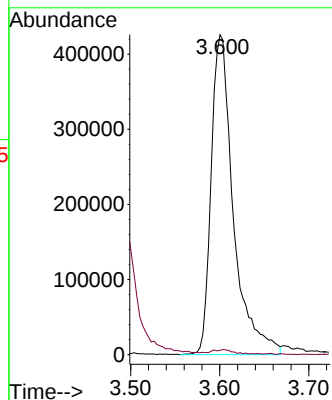
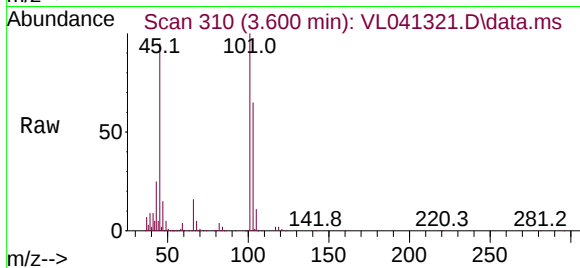
VSTDCCC010

Tgt Ion: 45 Resp: 737099

Ion Ratio Lower Upper

45 100

58 2.0 1.4 2.2



#20

Methylene Chloride

Concen: 8.968 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Tgt Ion: 84 Resp: 359580

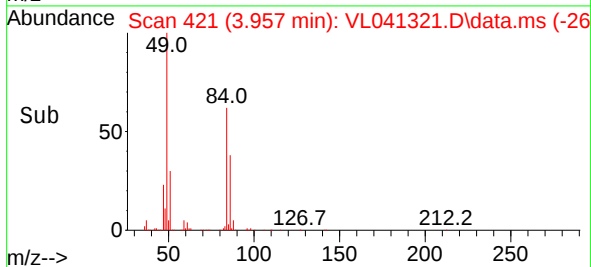
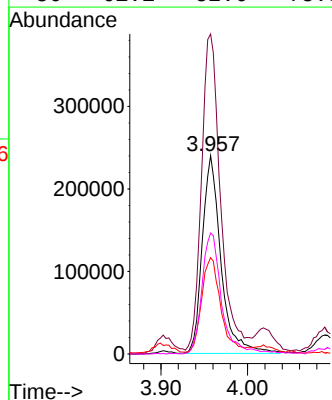
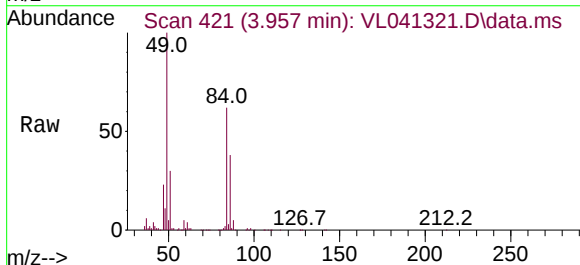
Ion Ratio Lower Upper

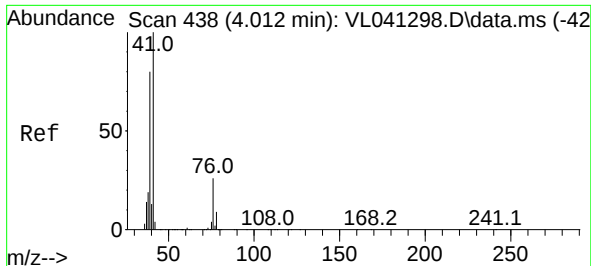
84 100

49 159.2 136.2 204.2

51 47.7 41.9 62.9

86 61.1 52.6 78.8

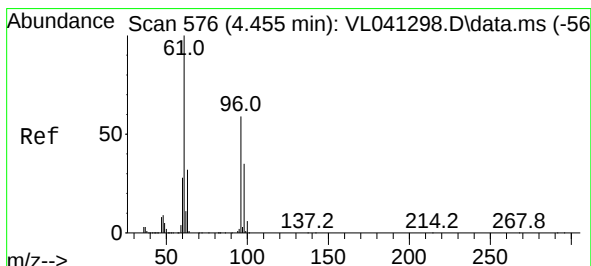
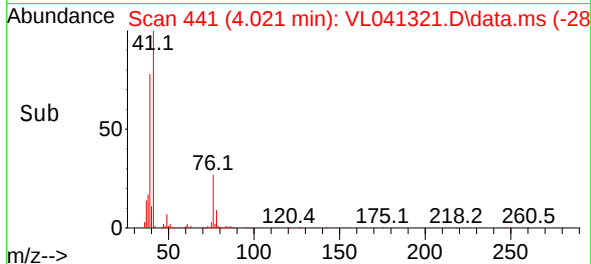
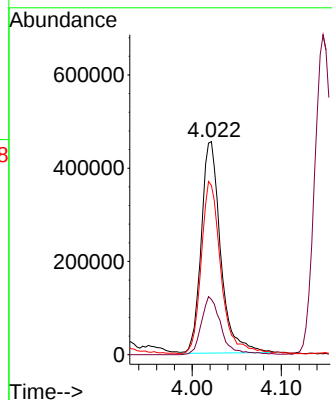
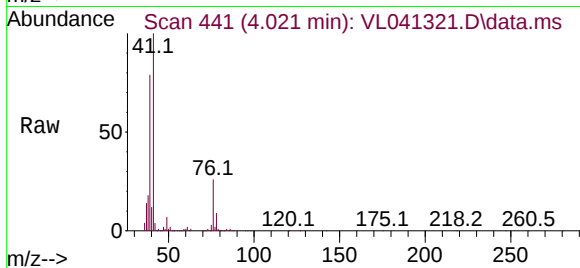




#21
 Allyl Chloride
 Concen: 9.865 ppbv
 RT: 4.021 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL041321.D
 Acq: 5 Jun 2024 9:27

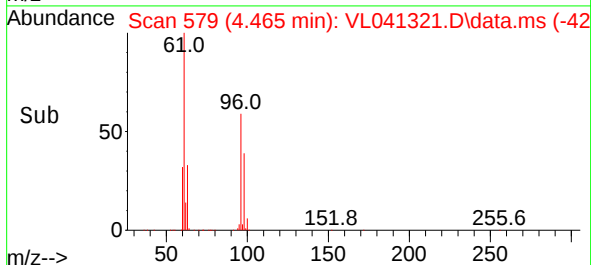
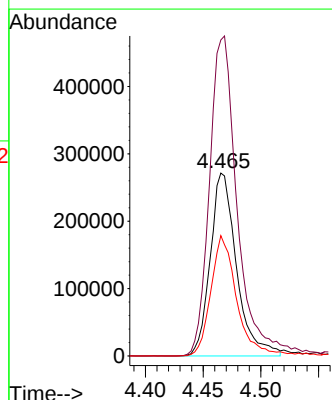
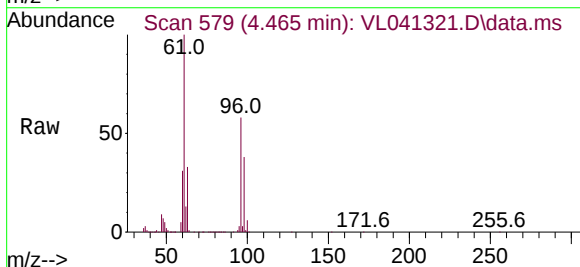
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

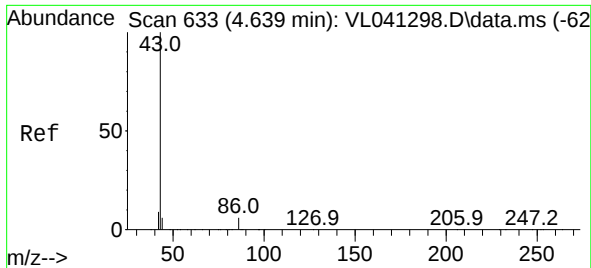
Tgt Ion: 41 Resp: 689496
 Ion Ratio Lower Upper
 41 100
 76 27.9 22.3 33.5
 39 83.2 66.3 99.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.663 ppbv
 RT: 4.465 min Scan# 579
 Delta R.T. 0.010 min
 Lab File: VL041321.D
 Acq: 5 Jun 2024 9:27

Tgt Ion: 96 Resp: 430394
 Ion Ratio Lower Upper
 96 100
 61 172.7 135.5 203.3
 98 65.8 47.6 71.4



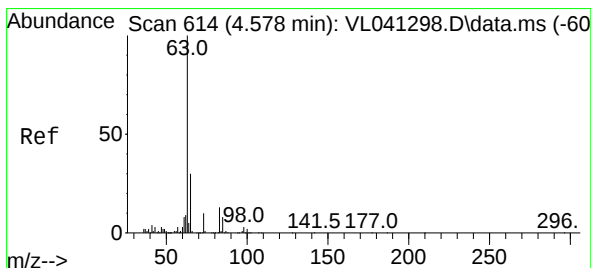
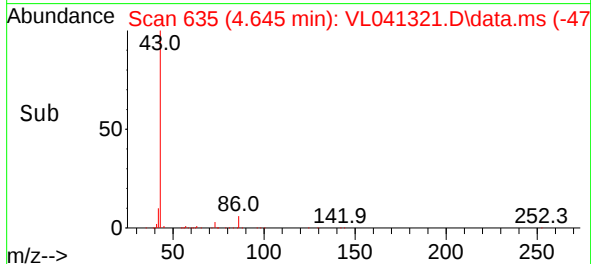
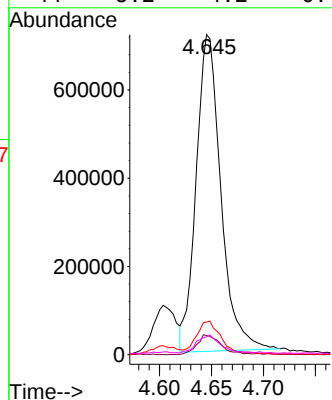
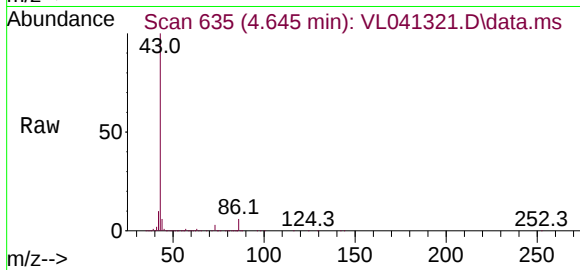


#23
 Vinyl Acetate
 Concen: 10.548 ppbv
 RT: 4.645 min Scan# 616
 Delta R.T. 0.007 min
 Lab File: VL041321.D
 Acq: 5 Jun 2024 9:27

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1190130

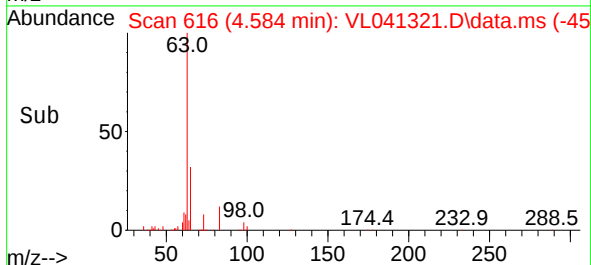
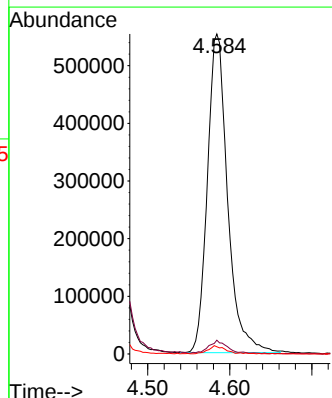
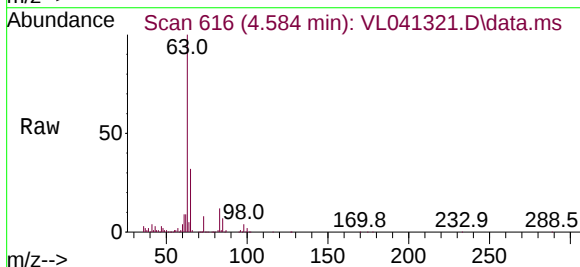
Ion	Ratio	Lower	Upper
43	100		
86	6.0	4.7	7.1
42	10.1	8.0	12.0
44	5.2	4.2	6.4

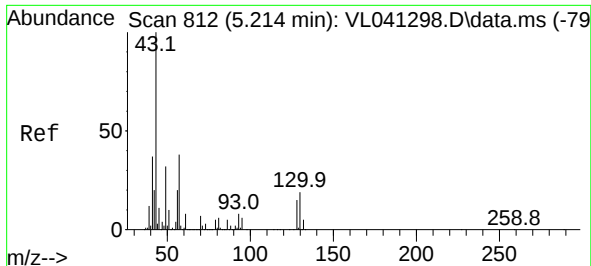


#24
 1,1-Dichloroethane
 Concen: 9.544 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. 0.007 min
 Lab File: VL041321.D
 Acq: 5 Jun 2024 9:27

Tgt Ion: 63 Resp: 947338

Ion	Ratio	Lower	Upper
63	100		
98	4.1	1.9	5.7
100	2.2	1.1	3.5





#25

Ethyl Acetate

Concen: 9.410 ppbv

RT: 5.221 min Scan# 814

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2053637

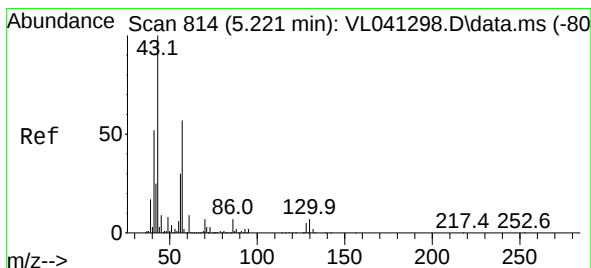
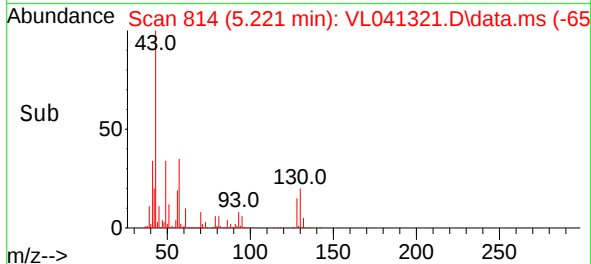
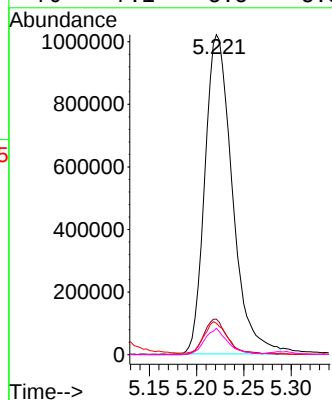
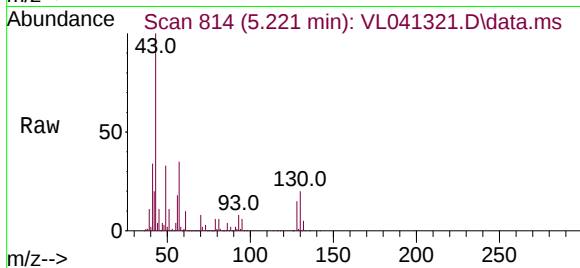
Ion Ratio Lower Upper

43 100

45 10.1 8.1 12.1

61 9.3 7.4 11.0

70 7.1 5.5 8.3



#26

Hexane

Concen: 9.136 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Tgt Ion: 57 Resp: 896703

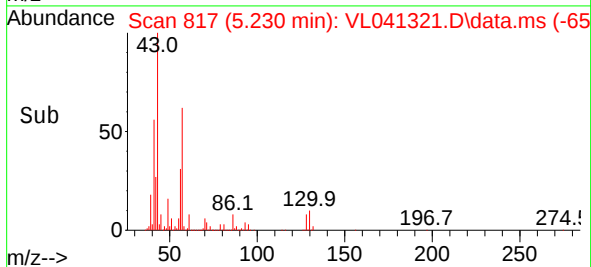
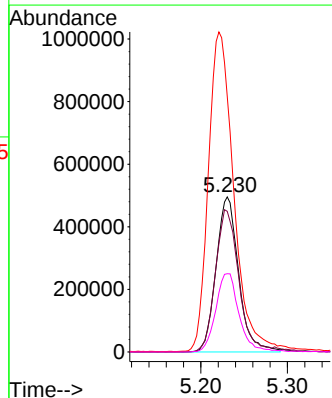
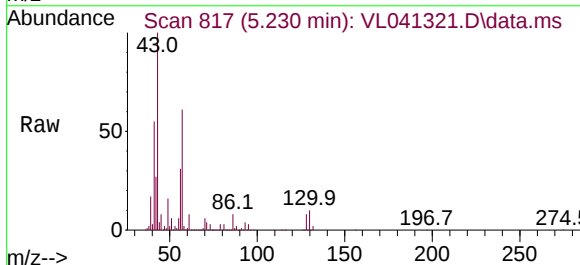
Ion Ratio Lower Upper

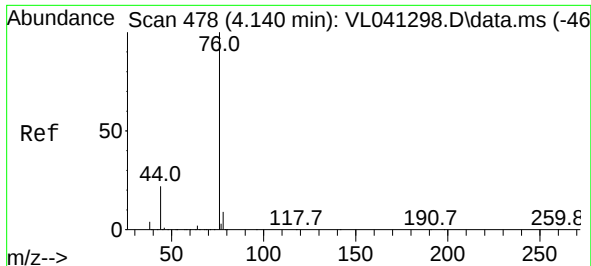
57 100

41 96.8 77.1 115.7

43 234.9 186.1 279.1

56 52.7 42.9 64.3

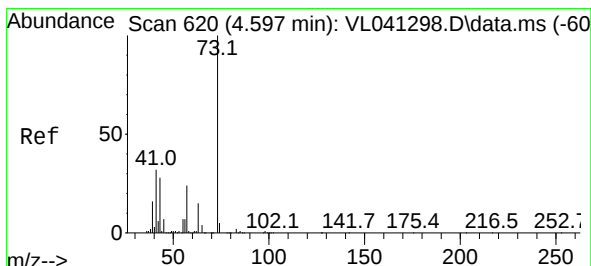
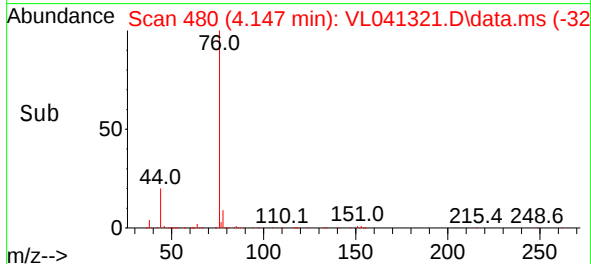
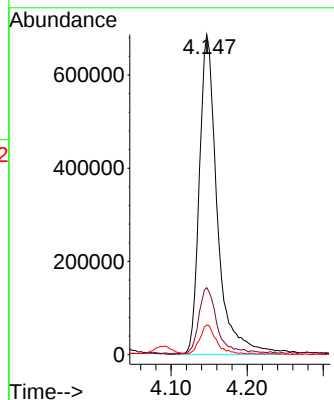
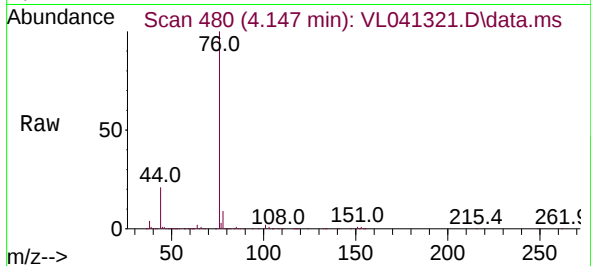




#27
Carbon Disulfide
Concen: 10.318 ppbv
RT: 4.147 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

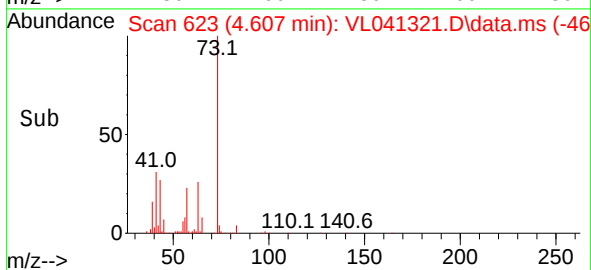
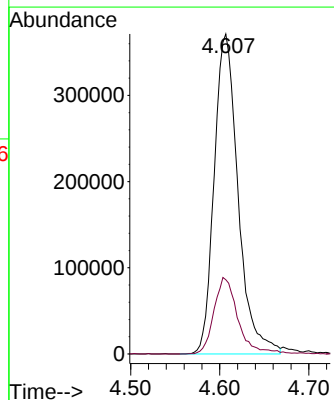
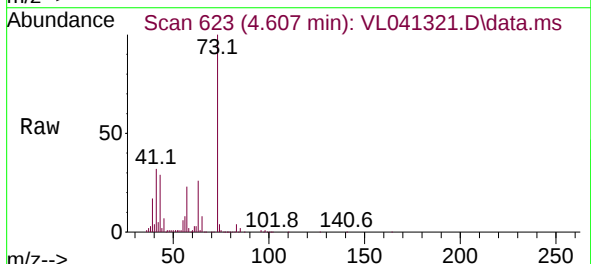
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

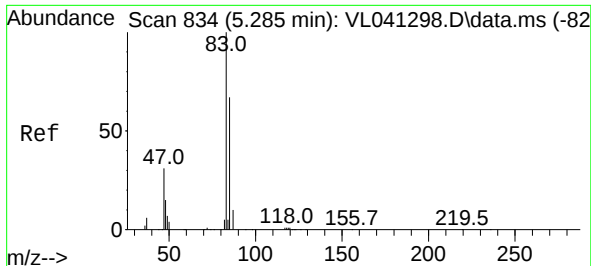
Tgt Ion: 76 Resp: 1121745
Ion Ratio Lower Upper
76 100
44 21.0 17.7 26.5
78 9.0 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 9.524 ppbv
RT: 4.607 min Scan# 623
Delta R.T. 0.010 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion: 73 Resp: 692775
Ion Ratio Lower Upper
73 100
57 24.1 19.2 28.8





#29

Chloroform

Concen: 9.254 ppbv

RT: 5.292 min Scan# 84

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

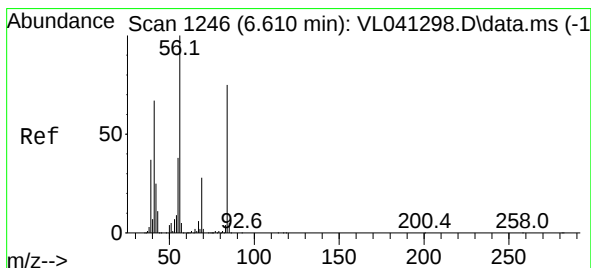
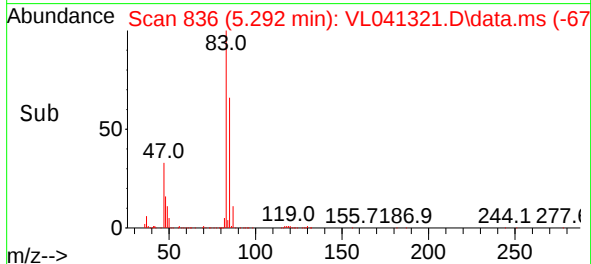
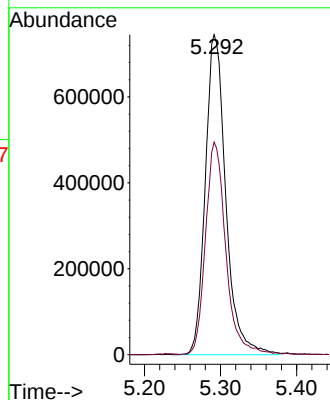
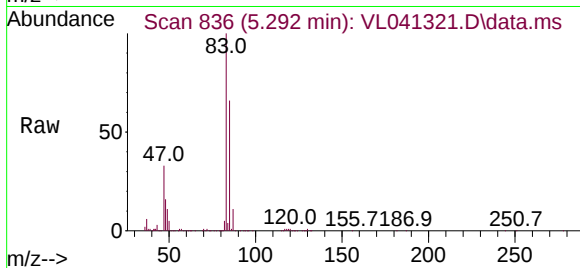
VSTDCCC010

Tgt Ion: 83 Resp: 1393550

Ion Ratio Lower Upper

83 100

85 66.3 53.3 79.9



#30

Cyclohexane

Concen: 9.439 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

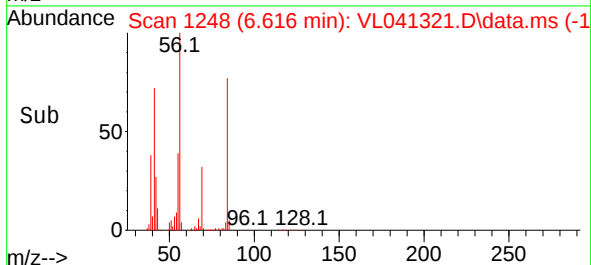
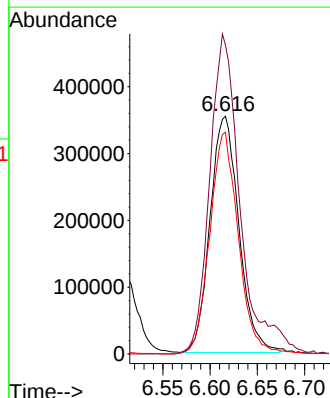
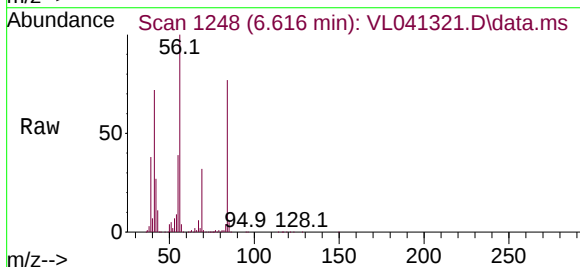
Tgt Ion: 84 Resp: 750935

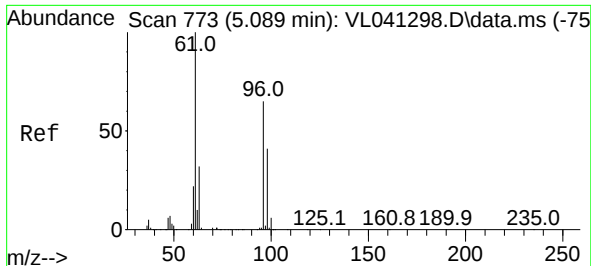
Ion Ratio Lower Upper

84 100

56 143.5 114.9 172.3

41 92.9 74.4 111.6

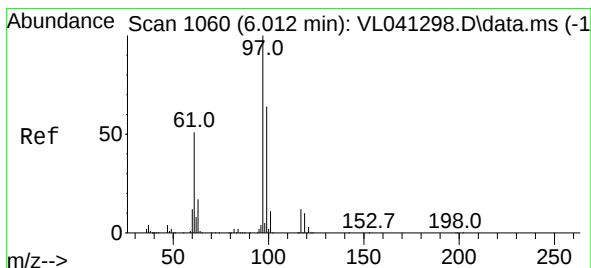
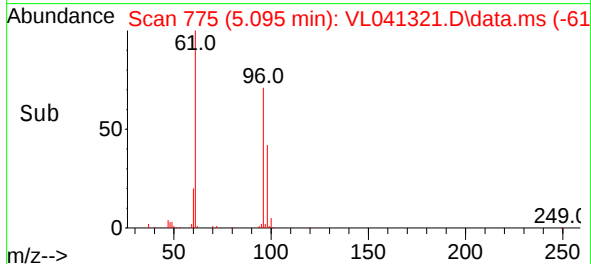
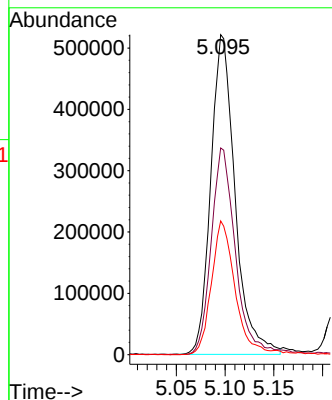
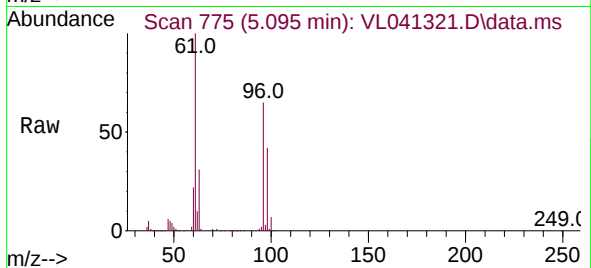




#31
cis-1,2-Dichloroethene
Concen: 9.724 ppbv
RT: 5.095 min Scan# 71
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

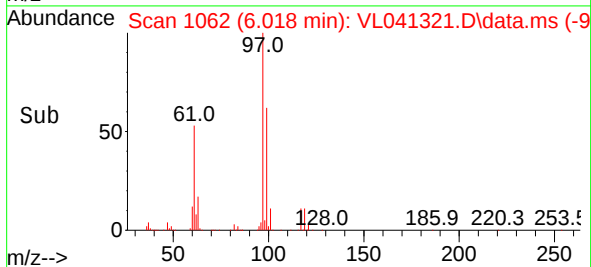
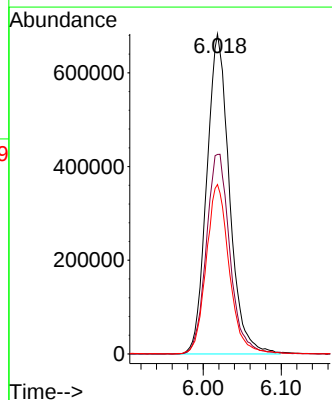
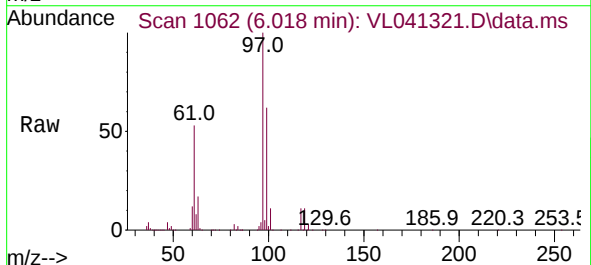
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

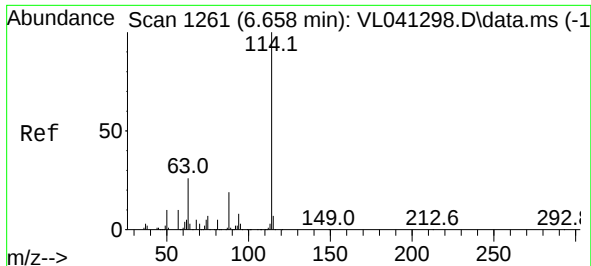
Tgt Ion: 61 Resp: 901903
Ion Ratio Lower Upper
61 100
96 64.7 52.1 78.1
98 41.8 33.1 49.7



#32
1,1,1-Trichloroethane
Concen: 9.697 ppbv
RT: 6.018 min Scan# 1062
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion: 97 Resp: 1383132
Ion Ratio Lower Upper
97 100
99 65.1 51.9 77.9
61 54.3 42.9 64.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

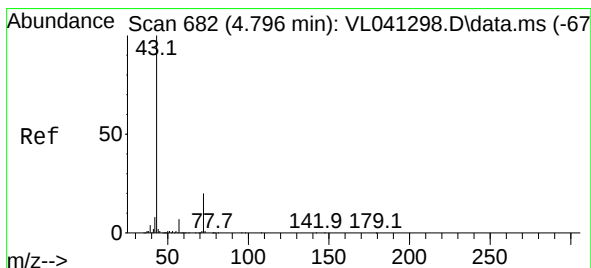
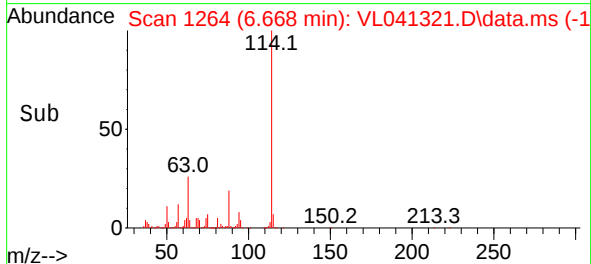
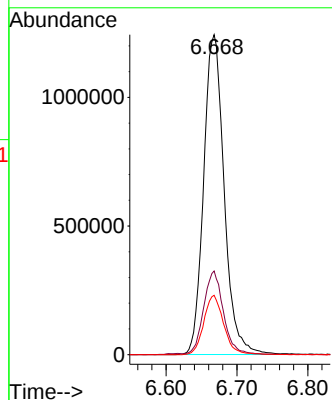
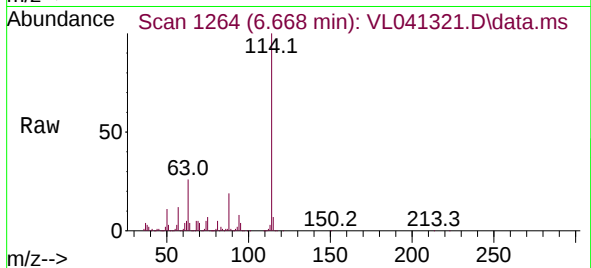
Tgt Ion:114 Resp: 2498711

Ion Ratio Lower Upper

114 100

63 25.8 20.6 30.8

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 9.477 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.007 min

Lab File: VL041321.D

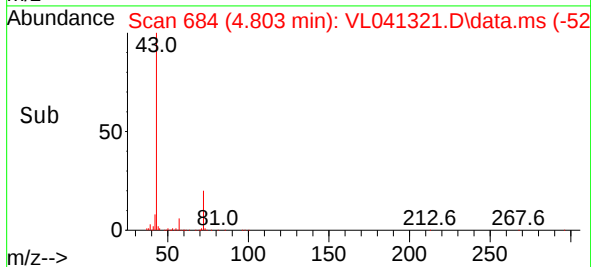
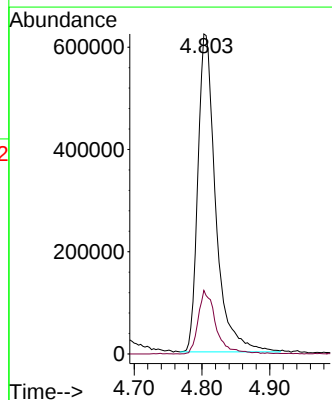
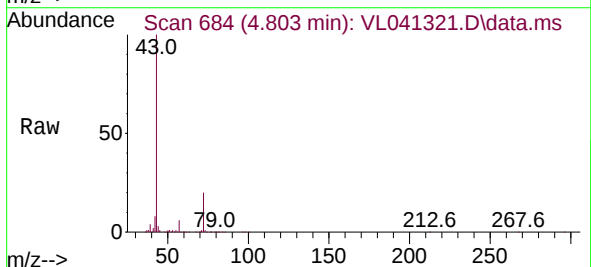
Acq: 5 Jun 2024 9:27

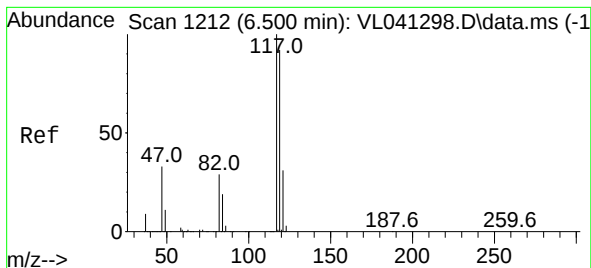
Tgt Ion: 43 Resp: 1134434

Ion Ratio Lower Upper

43 100

72 20.0 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.031 ppbv

RT: 6.507 min Scan# 117

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

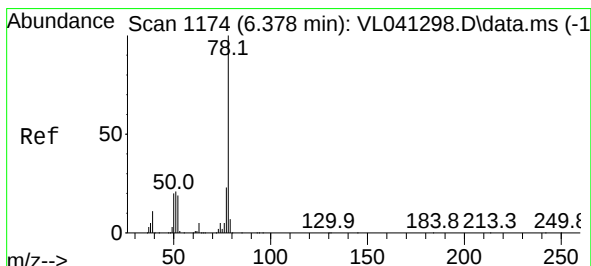
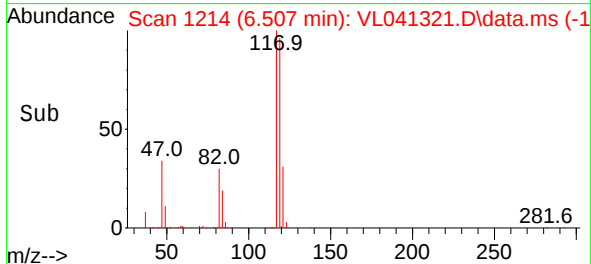
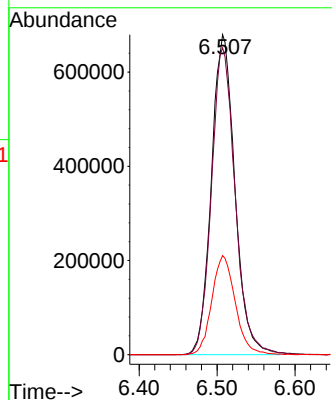
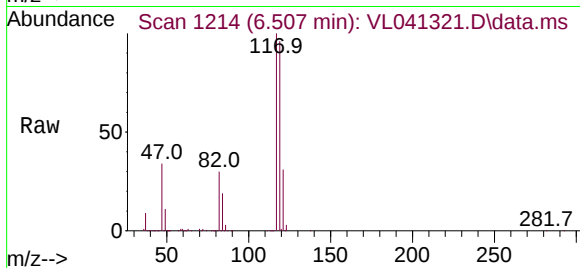
Tgt Ion:117 Resp: 1424577

Ion Ratio Lower Upper

117 100

119 95.9 74.0 111.0

121 31.0 24.8 37.2



#36

Benzene

Concen: 9.800 ppbv

RT: 6.385 min Scan# 1176

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

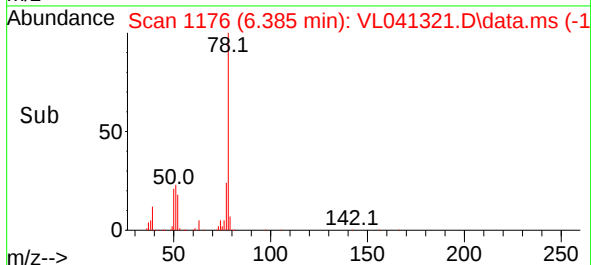
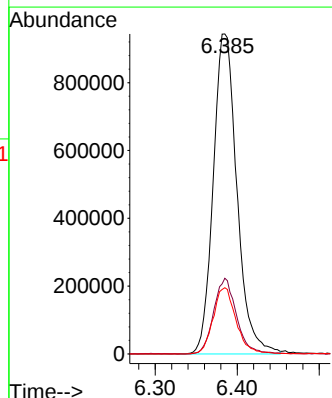
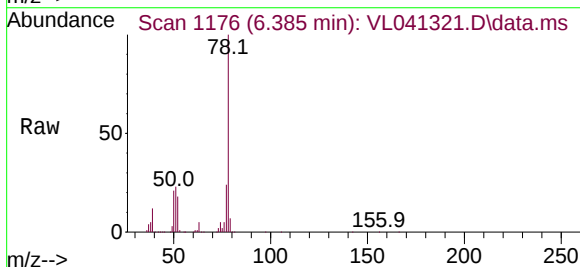
Tgt Ion: 78 Resp: 1897917

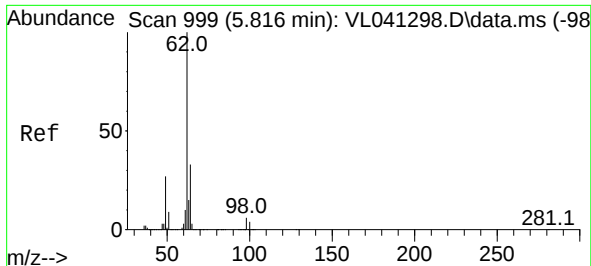
Ion Ratio Lower Upper

78 100

77 23.6 18.6 28.0

50 20.7 16.0 24.0





#37

1,2-Dichloroethane

Concen: 9.697 ppbv

RT: 5.822 min Scan# 1

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

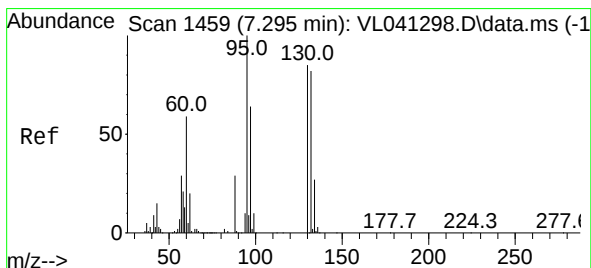
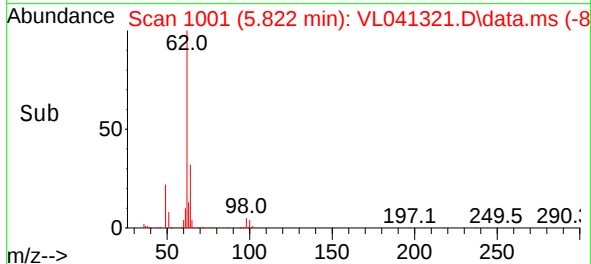
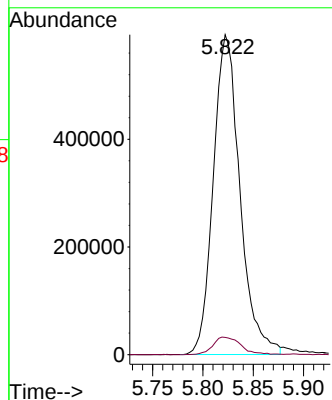
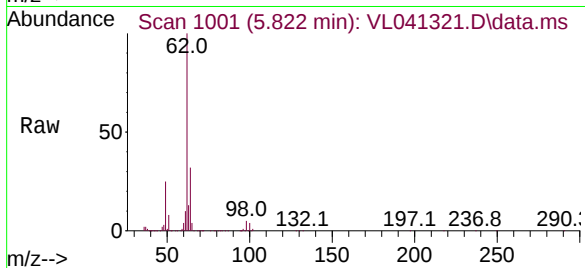
VSTDCCC010

Tgt Ion: 62 Resp: 1094912

Ion Ratio Lower Upper

62 100

98 6.1 4.8 7.2



#38

Trichloroethene

Concen: 9.417 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Tgt Ion:130 Resp: 739155

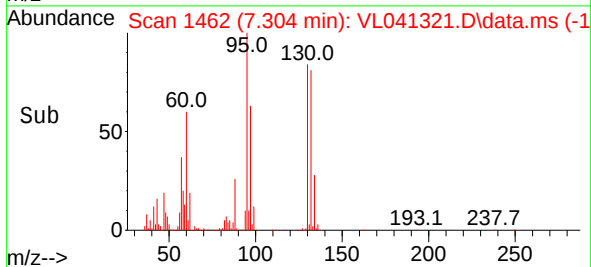
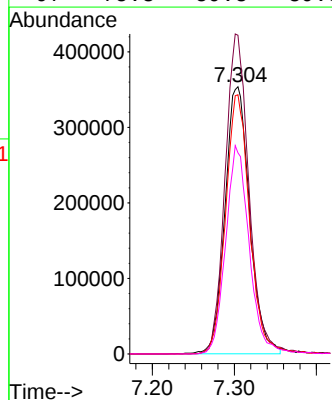
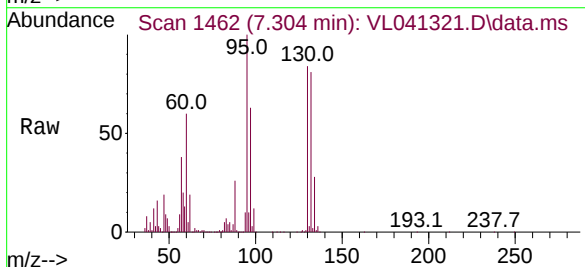
Ion Ratio Lower Upper

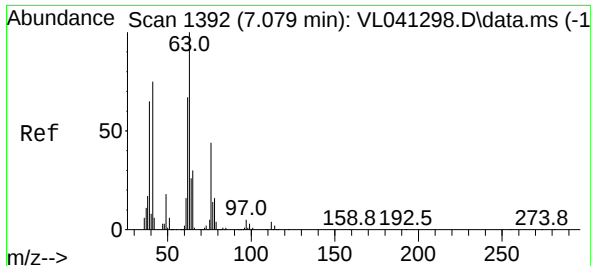
130 100

95 119.3 94.0 141.0

132 97.1 76.7 115.1

97 75.3 59.8 89.8





#39

1,2-Dichloropropane

Concen: 9.606 ppbv

RT: 7.086 min Scan# 14

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

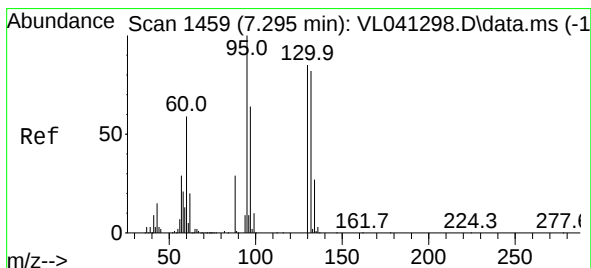
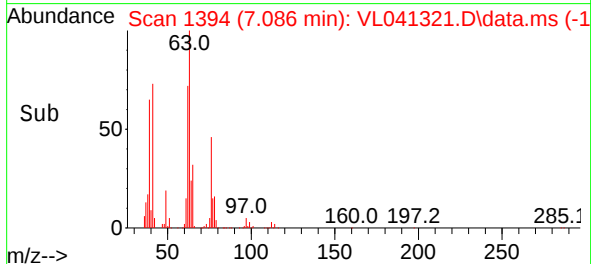
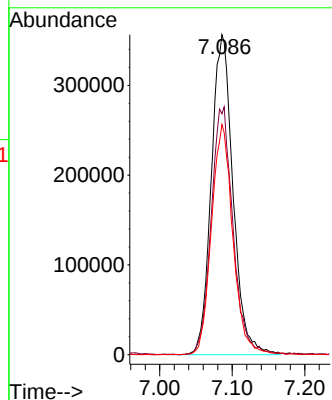
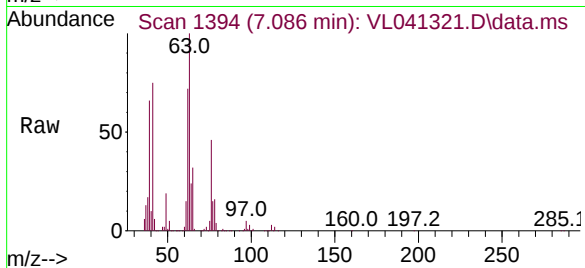
Tgt Ion: 63 Resp: 740806

Ion Ratio Lower Upper

63 100

41 75.3 59.9 89.9

62 71.9 53.8 80.6



#40

1,4-Dioxane

Concen: 10.438 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Tgt Ion: 88 Resp: 294809

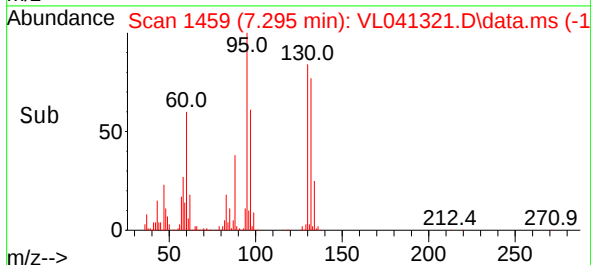
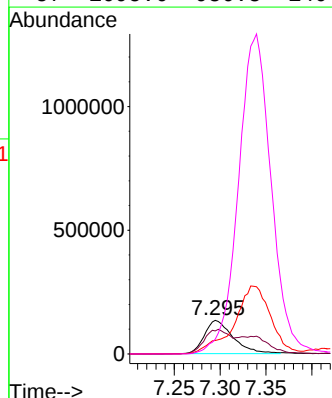
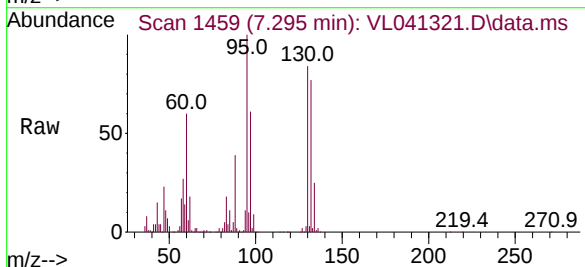
Ion Ratio Lower Upper

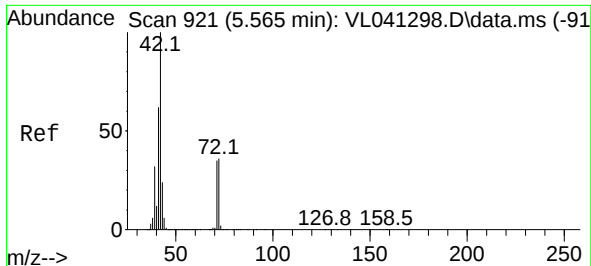
88 100

58 125.8 107.5 161.3

43 260.7 221.8 332.6

57 1095.6 936.3 1404.5

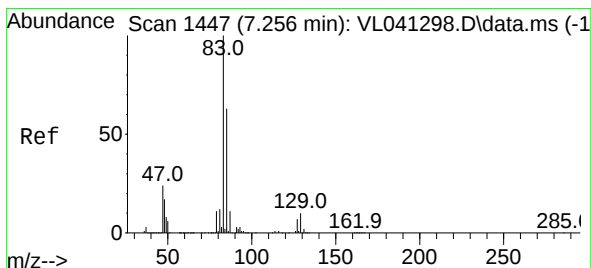
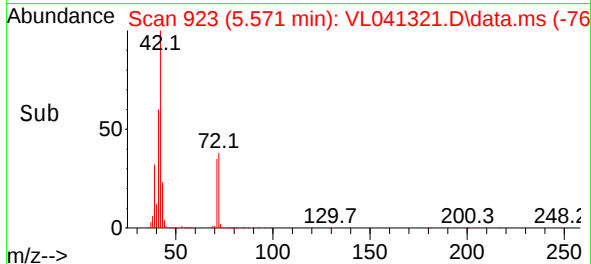
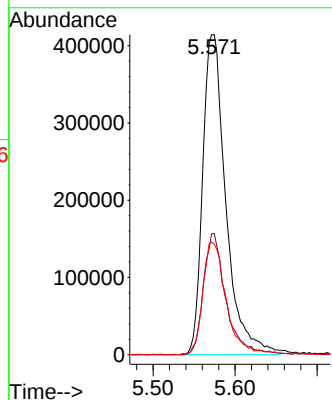
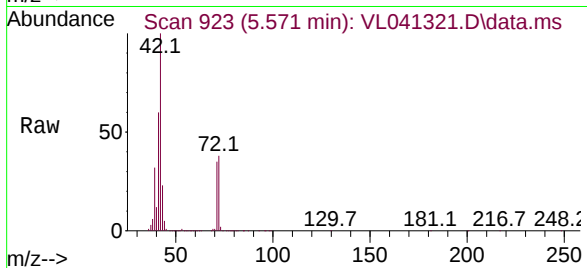




#41
Tetrahydrofuran
Concen: 10.441 ppbv
RT: 5.571 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

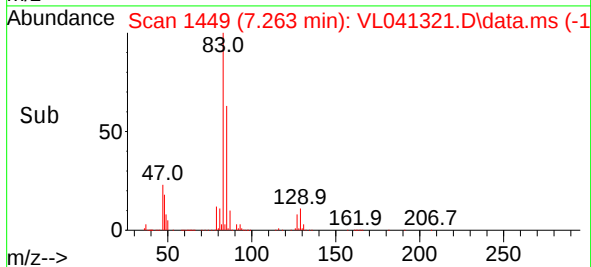
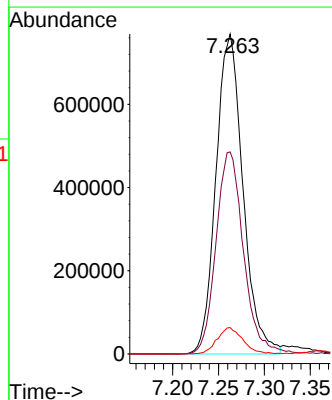
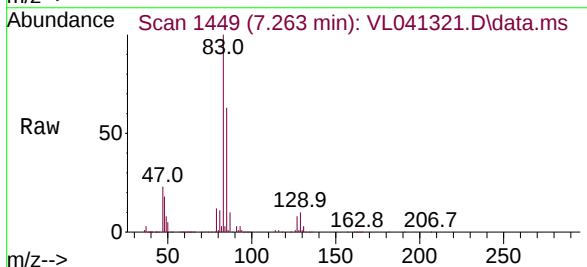
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

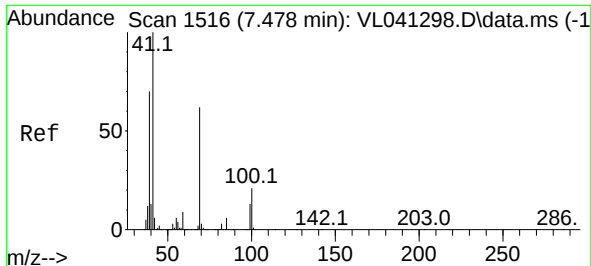
Tgt Ion: 42 Resp: 813248
Ion Ratio Lower Upper
42 100
72 36.7 30.2 45.4
71 36.0 30.3 45.5



#42
Bromodichloromethane
Concen: 9.713 ppbv
RT: 7.263 min Scan# 1449
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion: 83 Resp: 1575141
Ion Ratio Lower Upper
83 100
85 63.1 50.6 75.8
127 8.3 5.6 8.4





#43

Methyl Methacrylate

Concen: 10.538 ppbv

RT: 7.481 min Scan# 1516

Delta R.T. 0.003 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

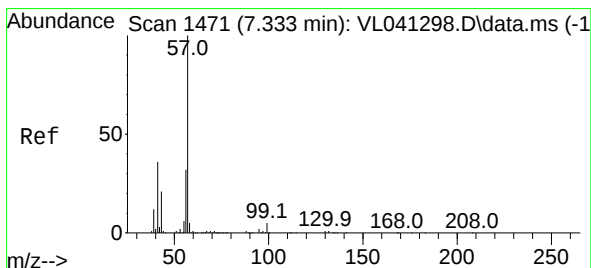
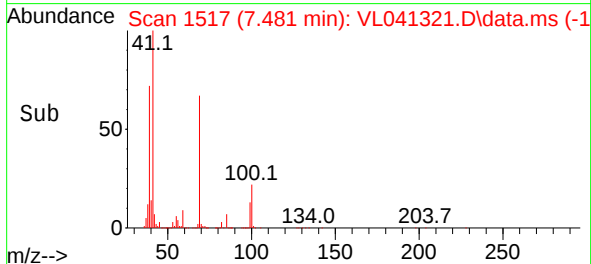
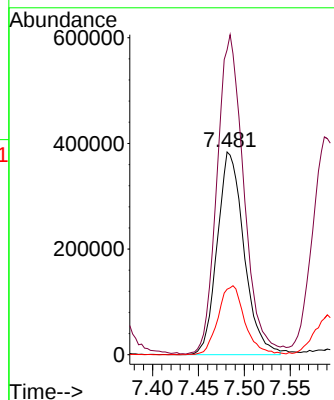
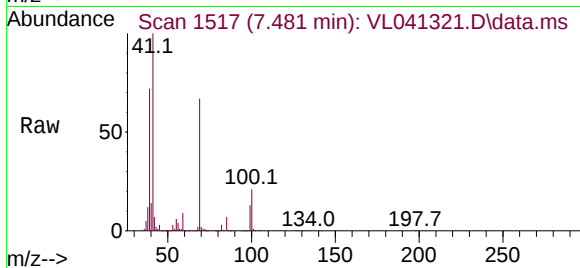
Tgt Ion: 69 Resp: 777636

Ion Ratio Lower Upper

69 100

41 158.7 125.8 188.6

100 33.9 27.0 40.6



#44

2,2,4-Trimethylpentane

Concen: 9.677 ppbv

RT: 7.340 min Scan# 1473

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

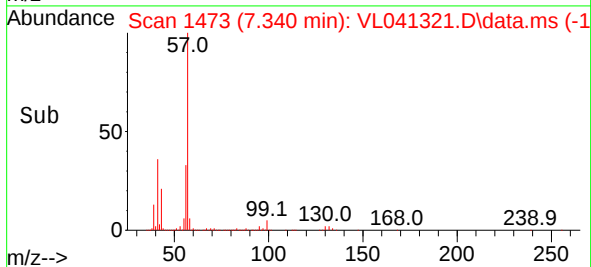
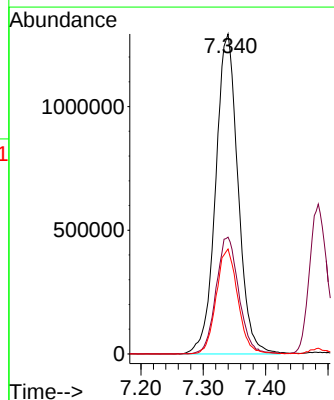
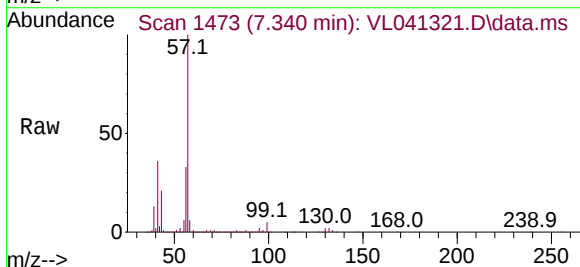
Tgt Ion: 57 Resp: 3223439

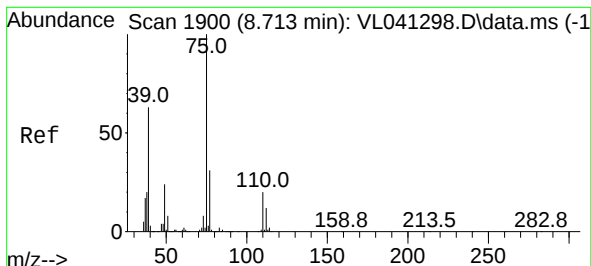
Ion Ratio Lower Upper

57 100

41 37.1 29.4 44.2

56 31.7 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 11.341 ppbv

RT: 8.716 min Scan# 1900

Delta R.T. 0.003 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

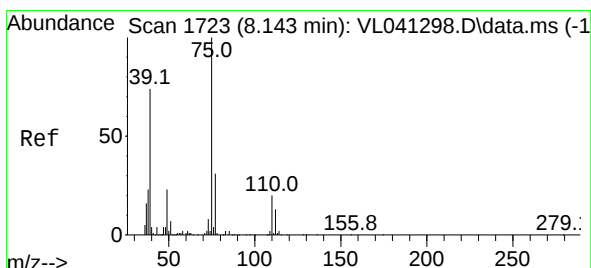
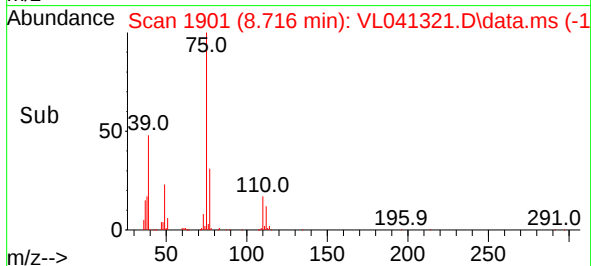
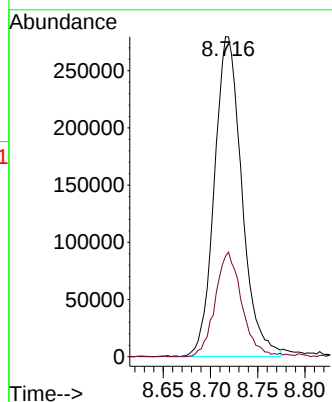
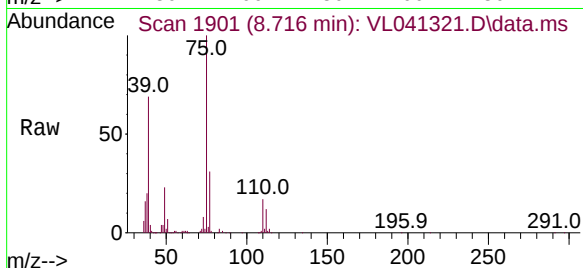
VSTDCCC010

Tgt Ion: 75 Resp: 564737

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 10.702 ppbv

RT: 8.153 min Scan# 1726

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

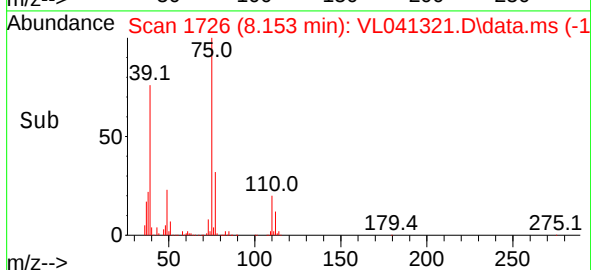
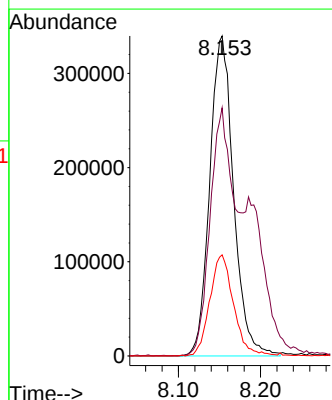
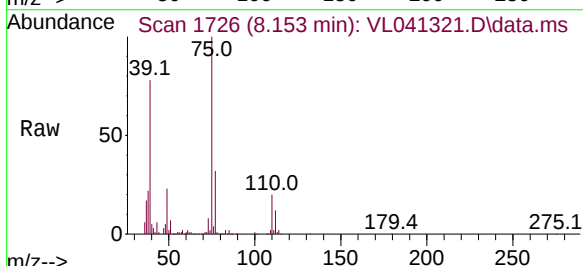
Tgt Ion: 75 Resp: 685986

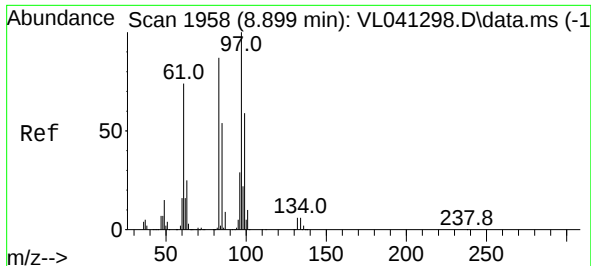
Ion Ratio Lower Upper

75 100

39 77.4 59.2 88.8

77 31.5 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 9.634 ppbv

RT: 8.909 min Scan# 1958

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 776394

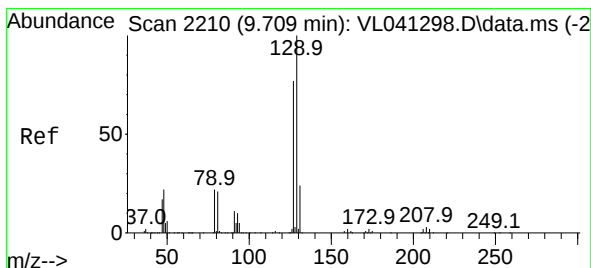
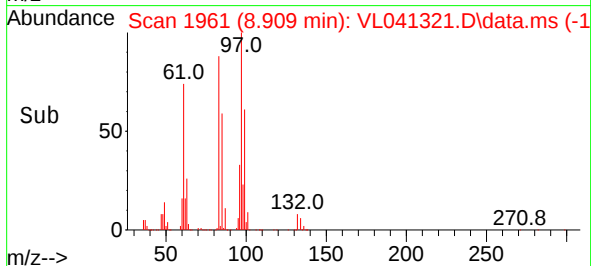
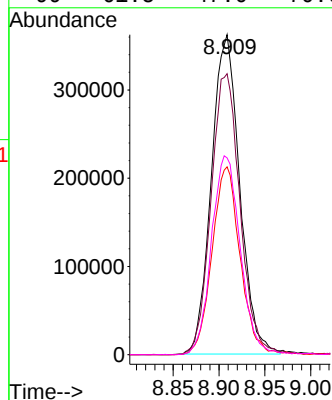
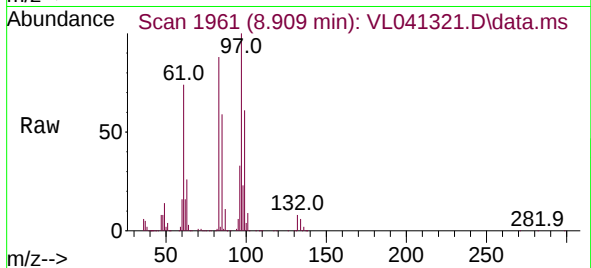
Ion Ratio Lower Upper

97 100

83 87.8 69.7 104.5

85 58.7 43.1 64.7

99 61.5 47.0 70.6



#48

Dibromochloromethane

Concen: 10.164 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. 0.007 min

Lab File: VL041321.D

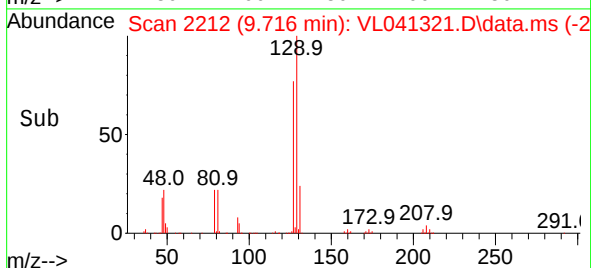
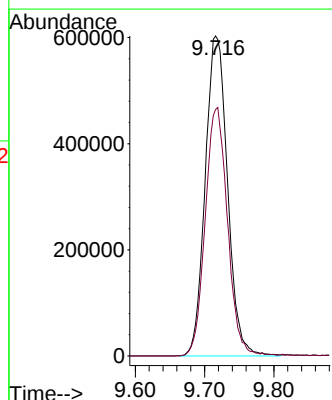
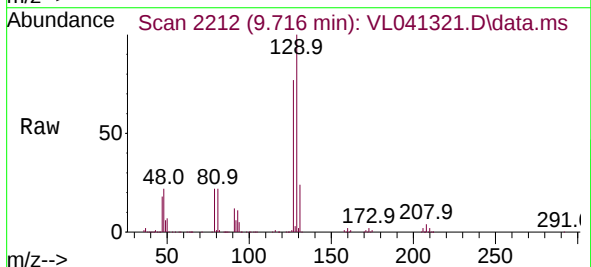
Acq: 5 Jun 2024 9:27

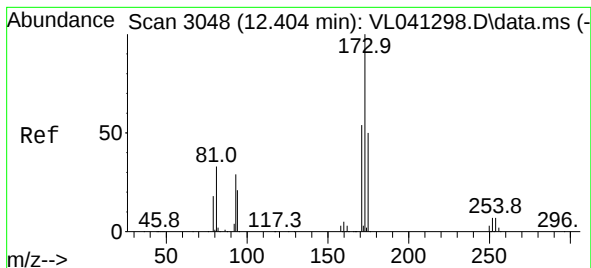
Tgt Ion: 129 Resp: 1349922

Ion Ratio Lower Upper

129 100

127 77.8 39.1 117.5





#49

Bromoform

Concen: 10.418 ppbv

RT: 12.410 min Scan# 3048

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

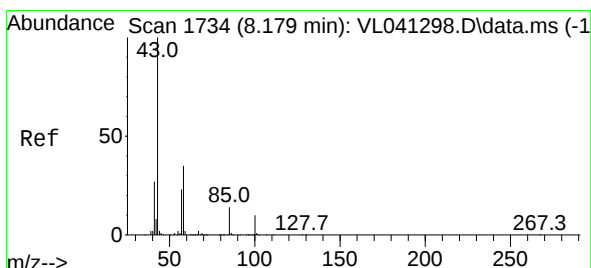
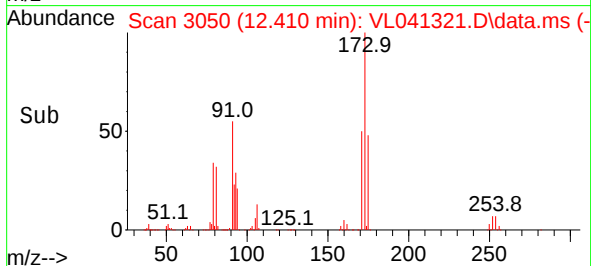
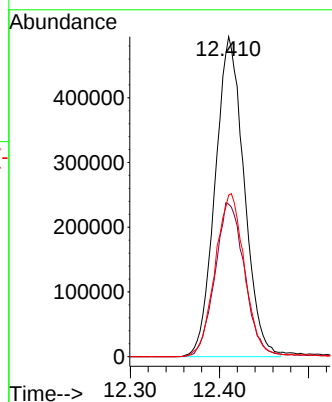
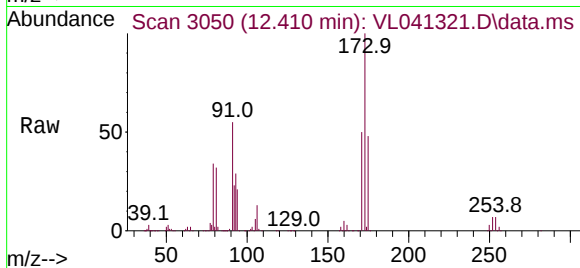
Tgt Ion:173 Resp: 1115003

Ion Ratio Lower Upper

173 100

175 49.7 39.9 59.9

171 52.5 42.6 63.8



#50

4-Methyl-2-Pentanone

Concen: 10.226 ppbv

RT: 8.189 min Scan# 1737

Delta R.T. 0.010 min

Lab File: VL041321.D

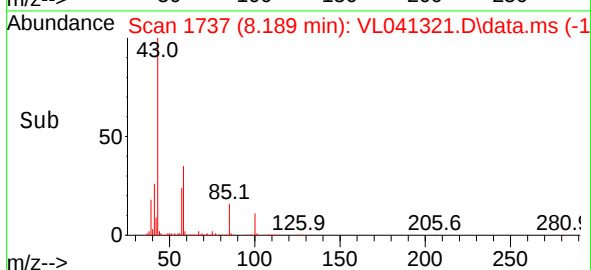
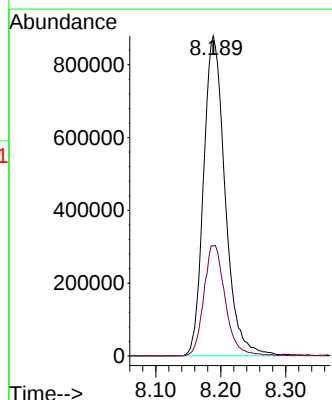
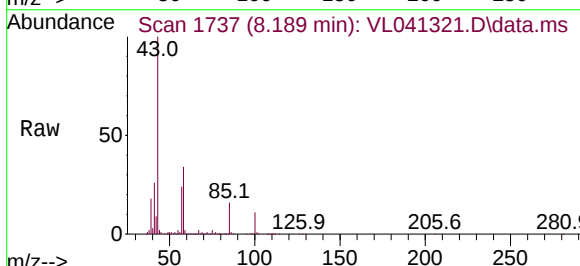
Acq: 5 Jun 2024 9:27

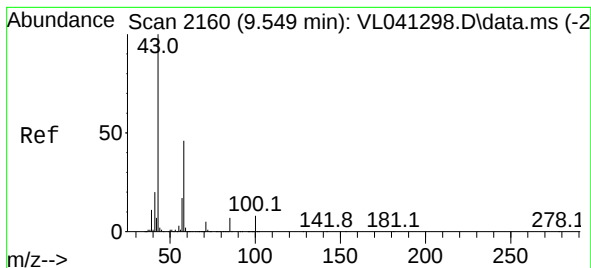
Tgt Ion: 43 Resp: 2026237

Ion Ratio Lower Upper

43 100

58 34.6 27.7 41.5





#51

2-Hexanone

Concen: 10.582 ppbv

RT: 9.555 min Scan# 2160

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

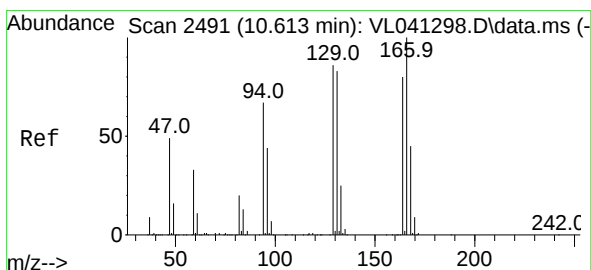
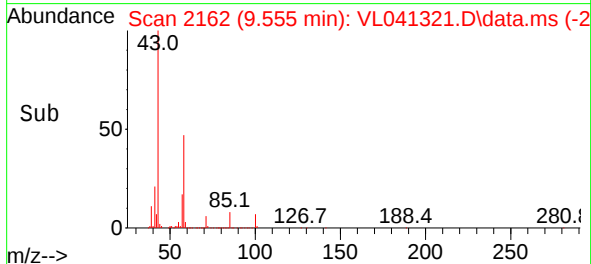
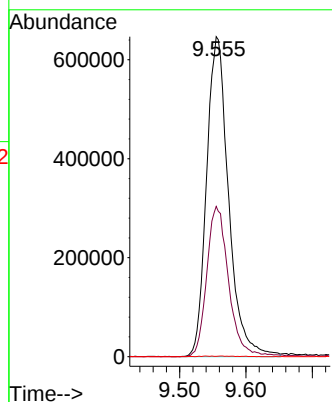
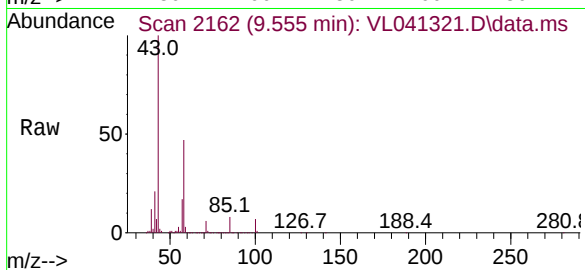
MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1490413

Ion	Ratio	Lower	Upper
43	100		
58	47.1	37.4	56.0
98	0.3	0.2	0.4



#52

Tetrachloroethene

Concen: 9.623 ppbv

RT: 10.619 min Scan# 2493

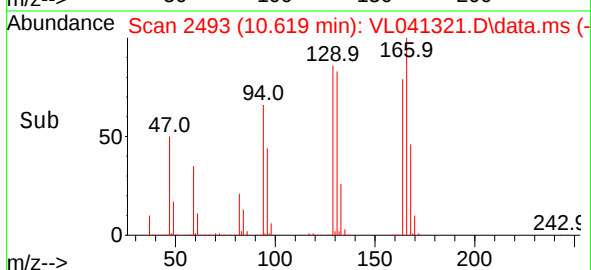
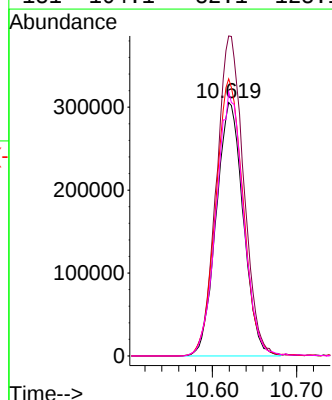
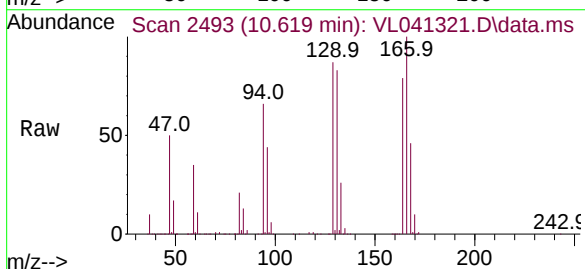
Delta R.T. 0.007 min

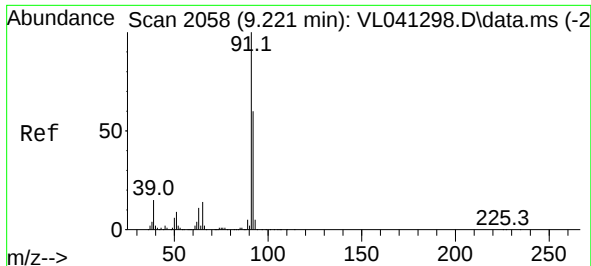
Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Tgt Ion: 164 Resp: 679660

Ion	Ratio	Lower	Upper
164	100		
166	126.2	99.4	149.0
129	109.2	85.4	128.2
131	104.1	82.1	123.1





#53

Toluene

Concen: 10.040 ppbv

RT: 9.227 min Scan# 2058

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

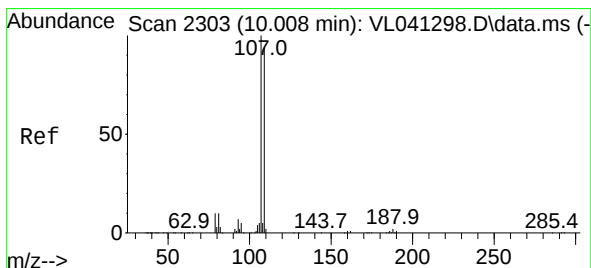
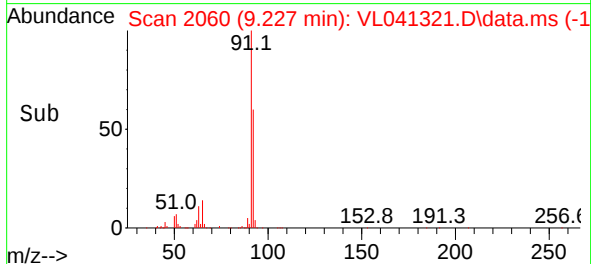
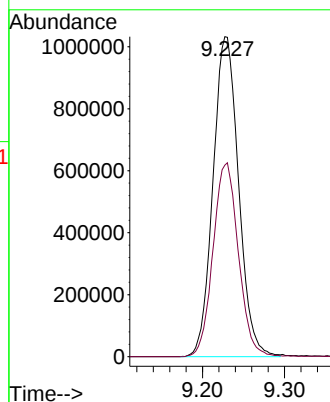
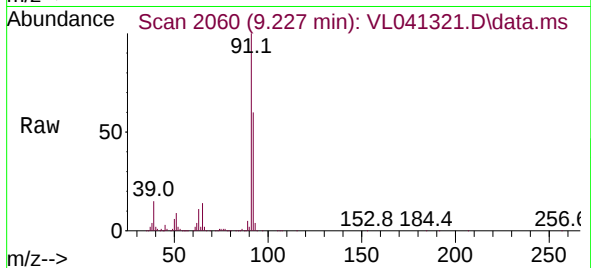
VSTDCCC010

Tgt Ion: 91 Resp: 2236688

Ion Ratio Lower Upper

91 100

92 60.3 49.2 73.8



#54

1,2-Dibromoethane

Concen: 10.435 ppbv

RT: 10.015 min Scan# 2305

Delta R.T. 0.007 min

Lab File: VL041321.D

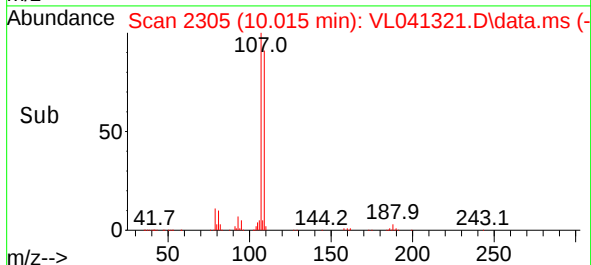
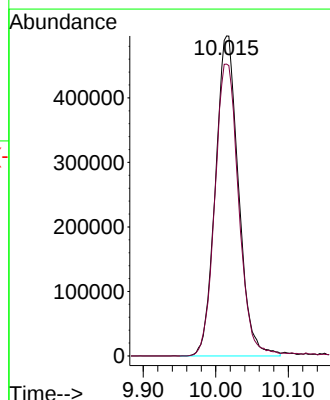
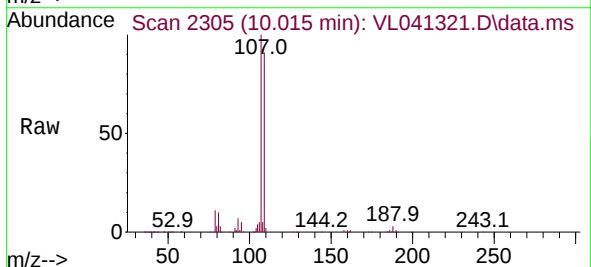
Acq: 5 Jun 2024 9:27

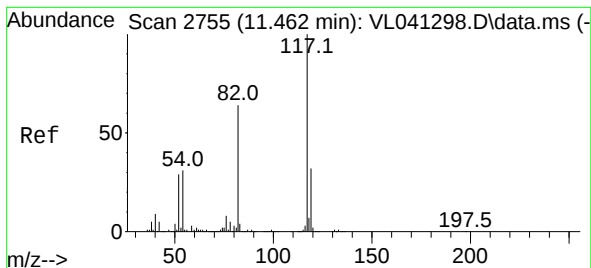
Tgt Ion: 107 Resp: 1096385

Ion Ratio Lower Upper

107 100

109 91.2 75.0 112.6

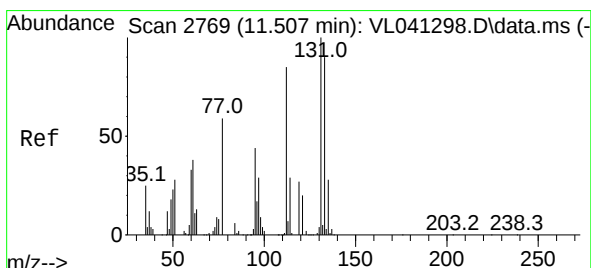
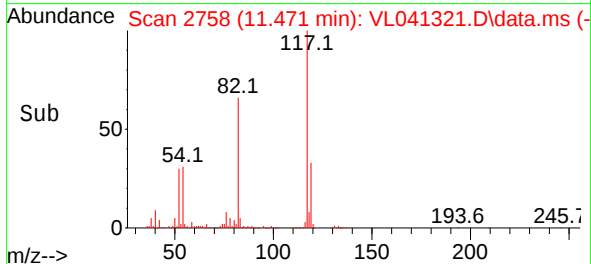
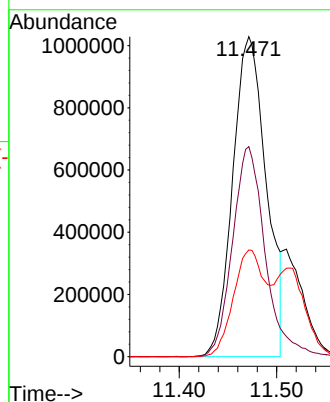
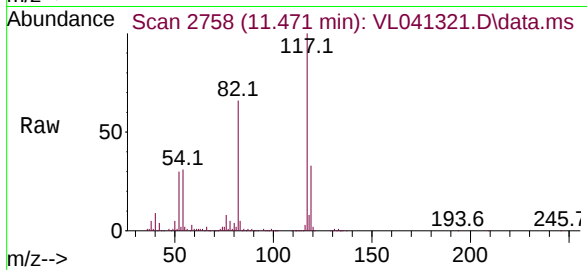




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

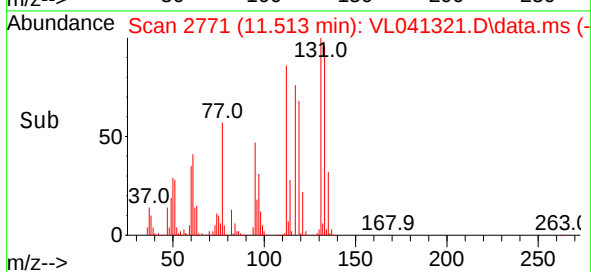
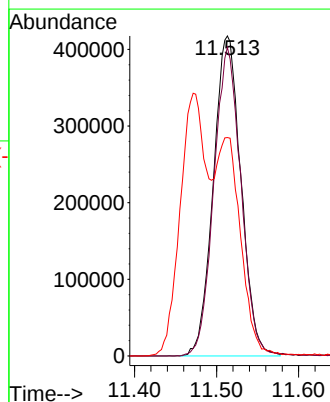
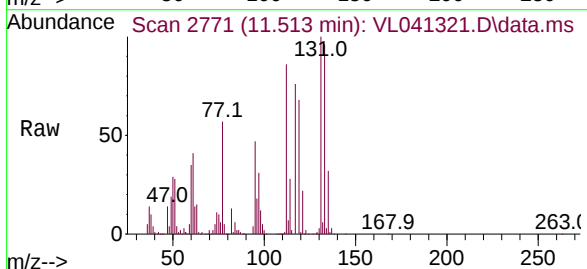
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

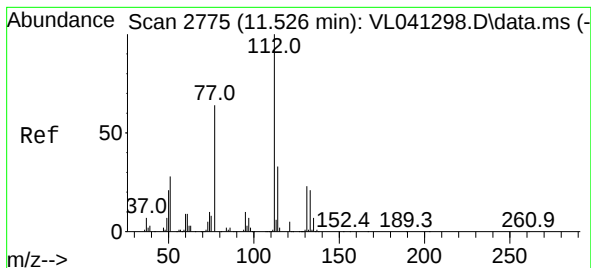
Tgt Ion:117 Resp: 2453985
Ion Ratio Lower Upper
117 100
82 64.6 52.3 78.5
119 33.7 26.2 39.2



#56
1,1,1,2-Tetrachloroethane
Concen: 9.416 ppbv
RT: 11.513 min Scan# 2771
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion:131 Resp: 977266
Ion Ratio Lower Upper
131 100
133 95.1 75.8 113.6
119 58.2 48.3 72.5

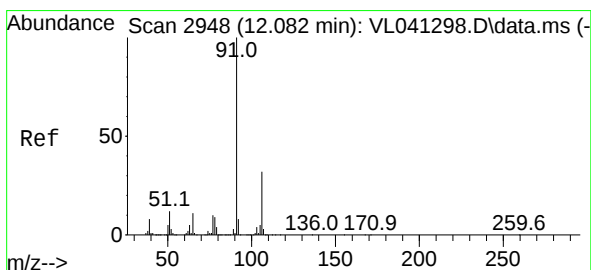
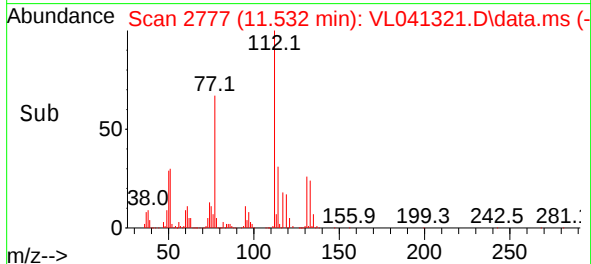
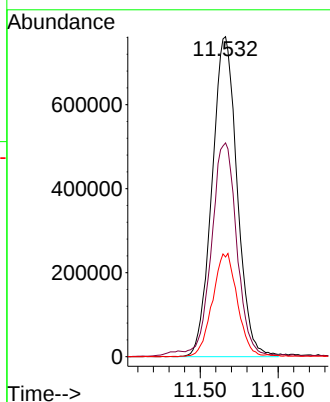
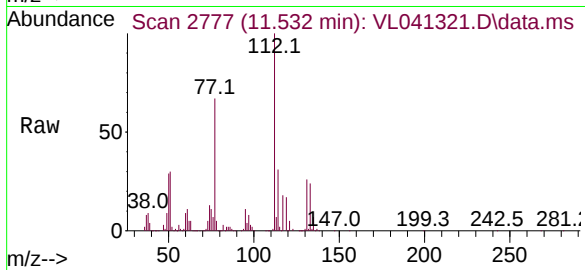




#57
Chlorobenzene
Concen: 9.372 ppbv
RT: 11.532 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

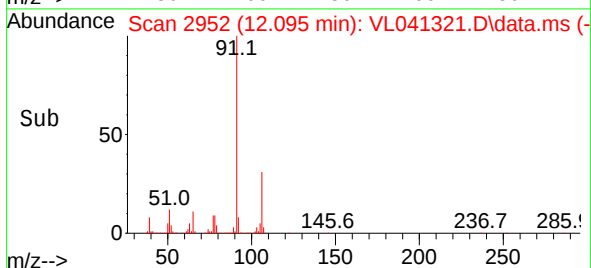
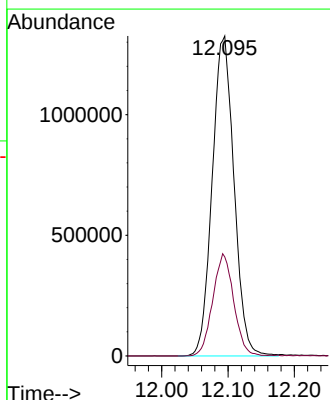
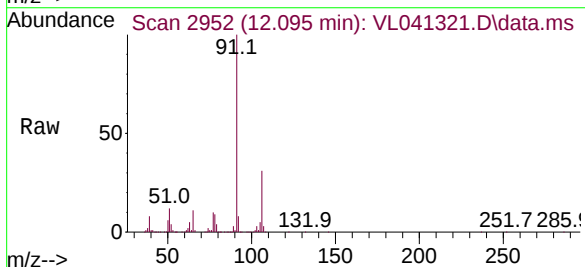
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

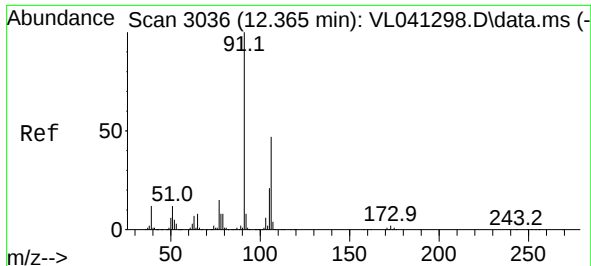
Tgt Ion:112 Resp: 1708363
Ion Ratio Lower Upper
112 100
77 66.4 52.0 78.0
114 31.1 29.8 36.4



#58
Ethyl Benzene
Concen: 9.612 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. 0.013 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion: 91 Resp: 3023561
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3





#59

m/p-Xylene

Concen: 10.735 ppbv

RT: 12.375 min Scan# 3036

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

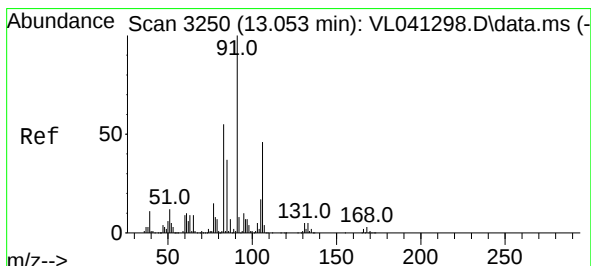
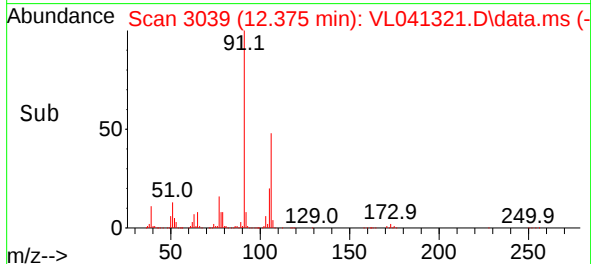
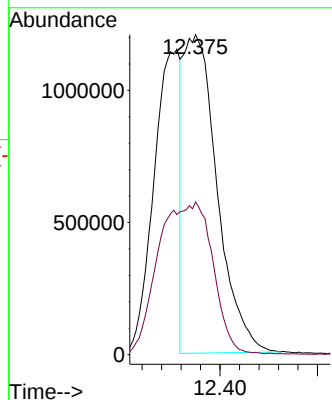
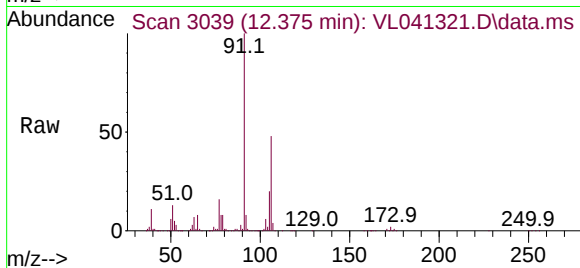
VSTDCCC010

Tgt Ion: 91 Resp: 2893275

Ion Ratio Lower Upper

91 100

106 77.9 35.7 53.5#



#60

o-Xylene

Concen: 9.416 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.010 min

Lab File: VL041321.D

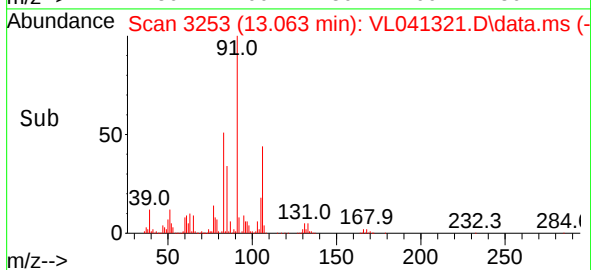
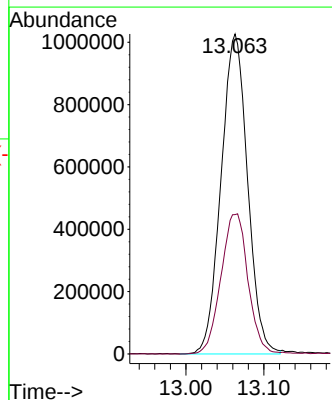
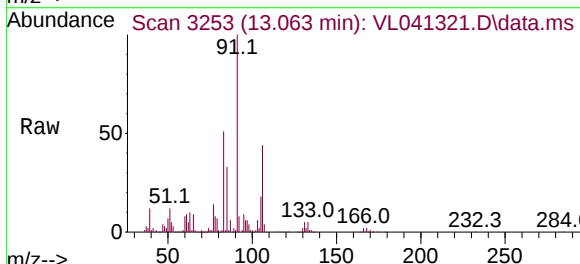
Acq: 5 Jun 2024 9:27

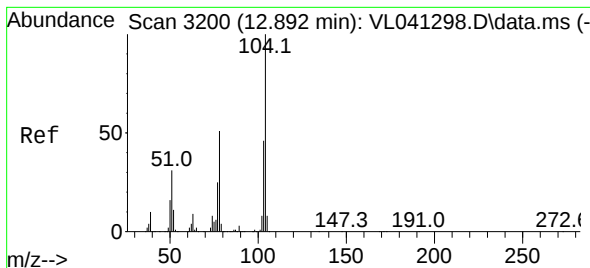
Tgt Ion: 91 Resp: 2419200

Ion Ratio Lower Upper

91 100

106 45.1 22.8 68.4





#61

Styrene

Concen: 10.412 ppbv

RT: 12.902 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

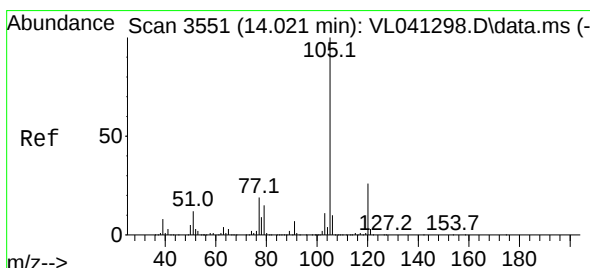
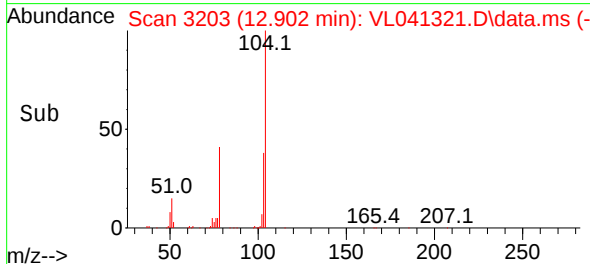
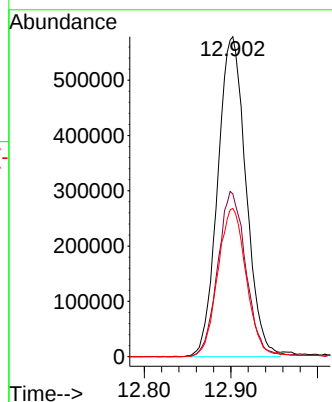
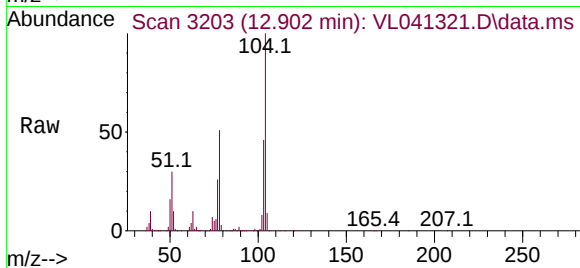
Tgt Ion:104 Resp: 1311544

Ion Ratio Lower Upper

104 100

78 51.7 42.2 63.4

103 47.2 37.9 56.9



#62

Isopropylbenzene

Concen: 9.347 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.010 min

Lab File: VL041321.D

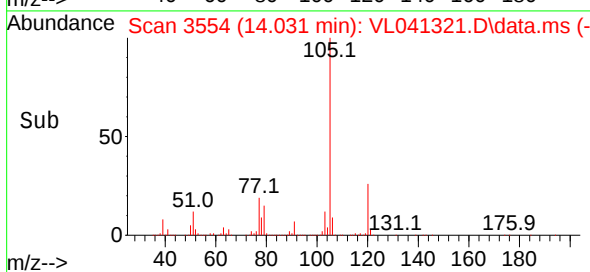
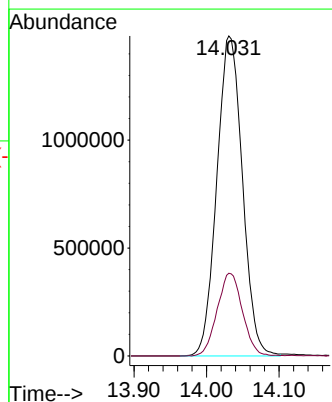
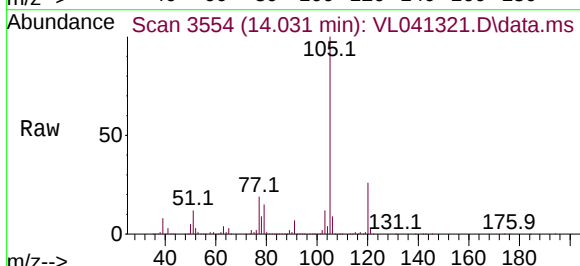
Acq: 5 Jun 2024 9:27

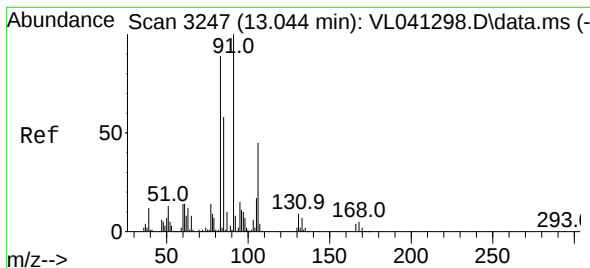
Tgt Ion:105 Resp: 3632092

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

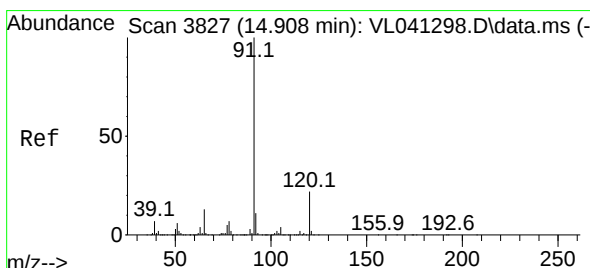
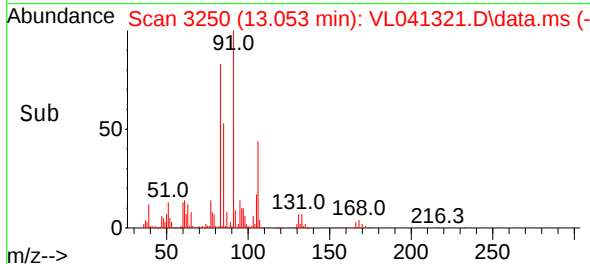
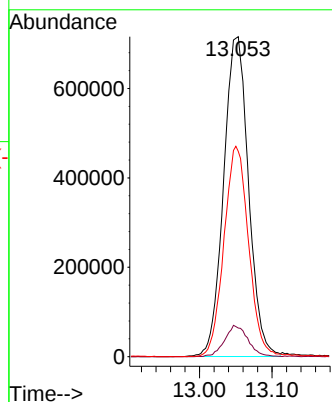
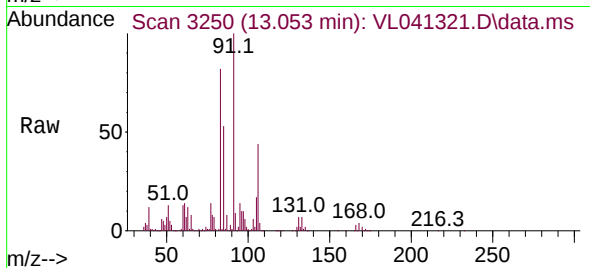




#63
1,1,2,2-Tetrachloroethane
Concen: 9.343 ppbv
RT: 13.053 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

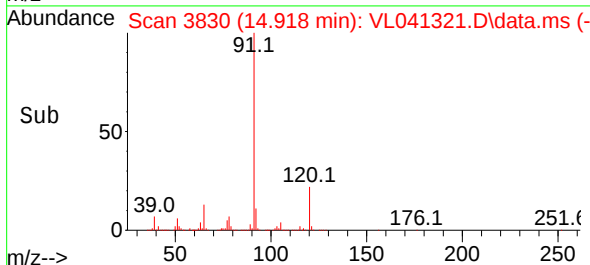
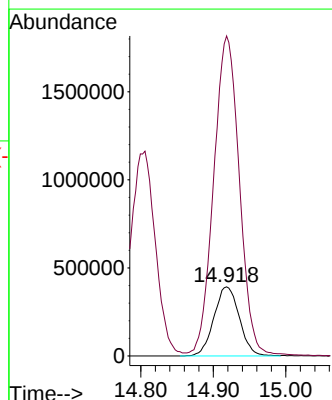
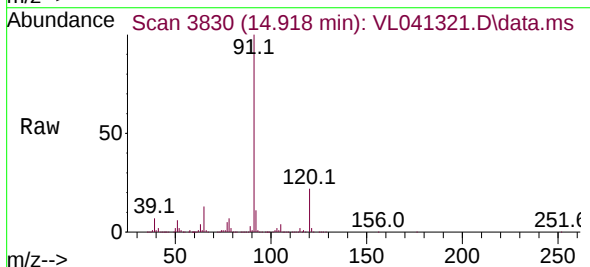
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

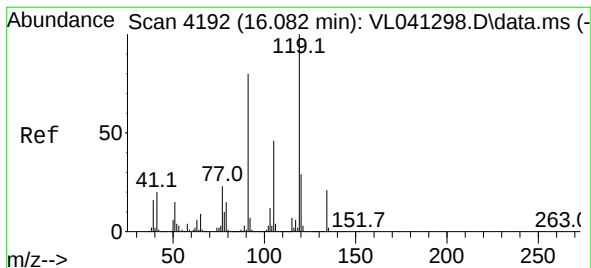
Tgt Ion: 83 Resp: 1707890
Ion Ratio Lower Upper
83 100
131 9.2 4.7 14.1
85 65.8 32.6 97.7



#64
n-propylbenzene
Concen: 9.543 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. 0.010 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion:120 Resp: 955746
Ion Ratio Lower Upper
120 100
91 469.8 374.2 561.2

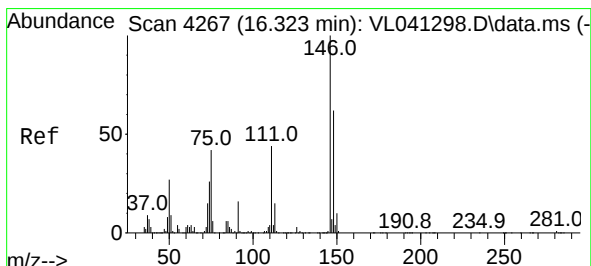
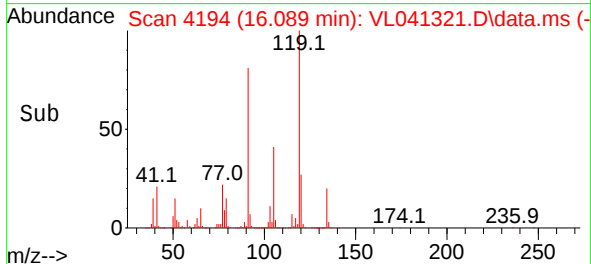
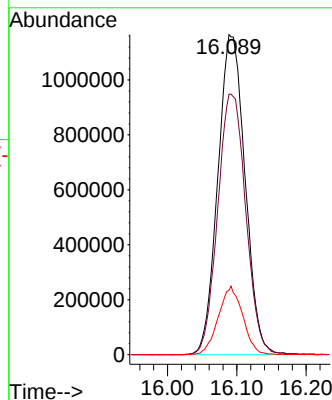
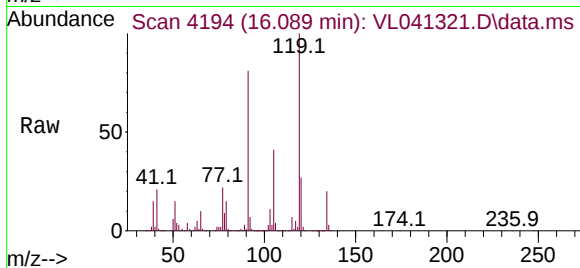




#65
tert-Butylbenzene
Concen: 9.183 ppbv
RT: 16.089 min Scan# 4192
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

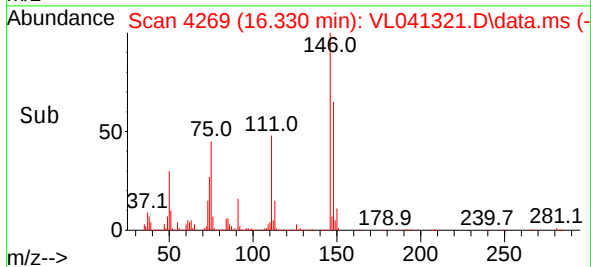
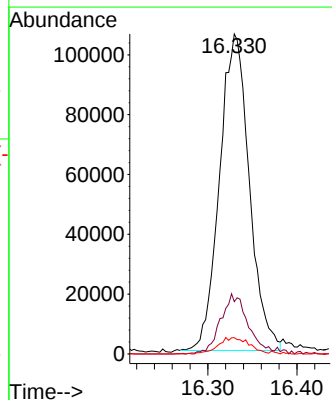
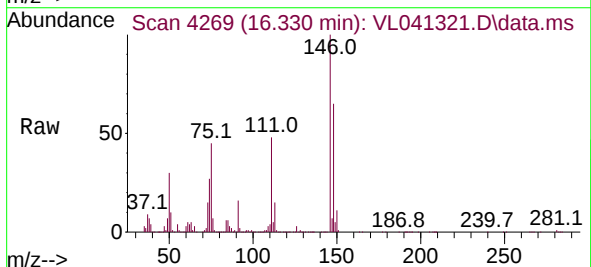
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

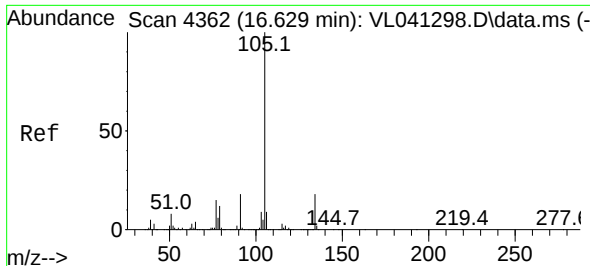
Tgt Ion:119 Resp: 3172277
Ion Ratio Lower Upper
119 100
91 84.1 66.5 99.7
134 19.3 15.7 23.5



#66
Benzyl Chloride
Concen: 10.799 ppbv
RT: 16.330 min Scan# 4269
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion: 91 Resp: 245432
Ion Ratio Lower Upper
91 100
126 18.1 13.4 20.2
128 5.6 4.6 6.8





#67

sec-Butylbenzene

Concen: 9.240 ppbv

RT: 16.635 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

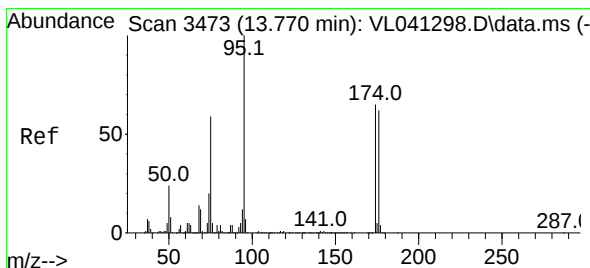
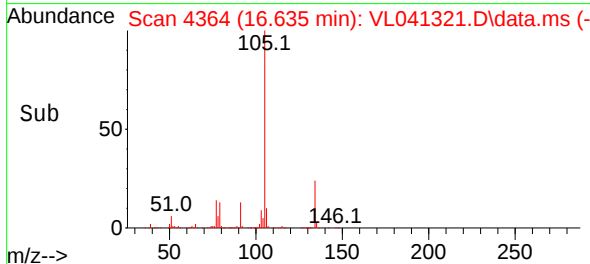
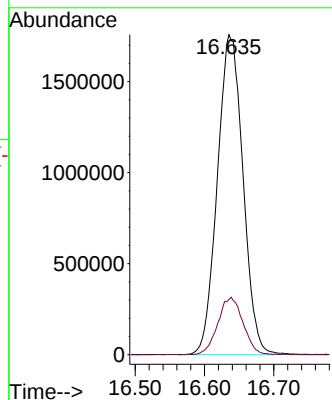
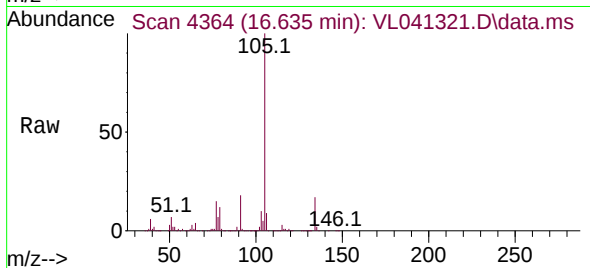
VSTDCCC010

Tgt Ion:105 Resp: 4509122

Ion Ratio Lower Upper

105 100

134 17.7 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 9.977 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

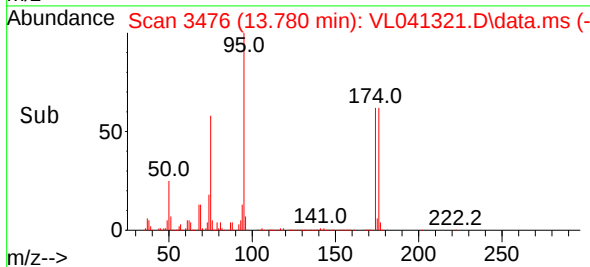
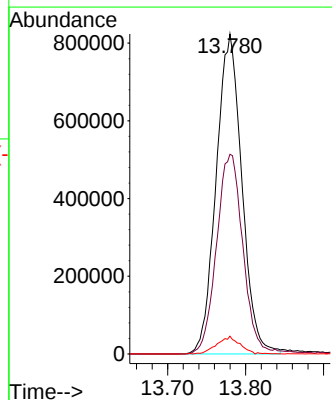
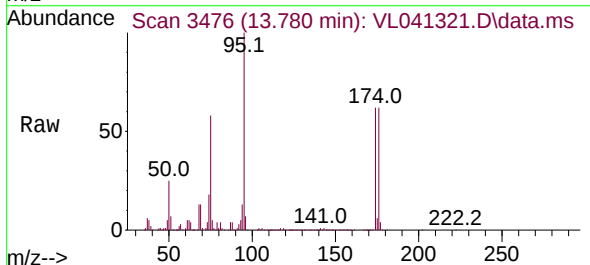
Tgt Ion: 95 Resp: 1890257

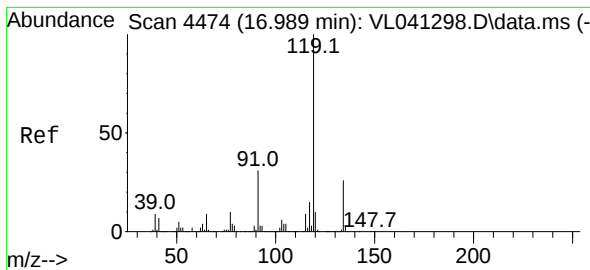
Ion Ratio Lower Upper

95 100

174 64.4 52.2 78.2

175 5.0 4.1 6.1





#69

p-Isopropyltoluene

Concen: 9.291 ppbv

RT: 16.998 min Scan# 4474

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

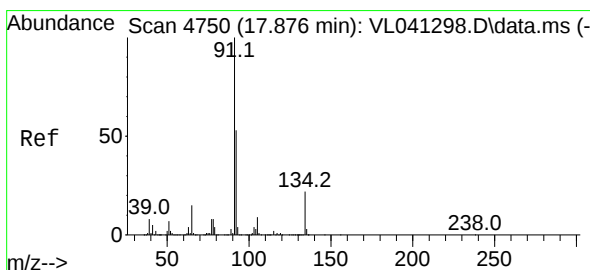
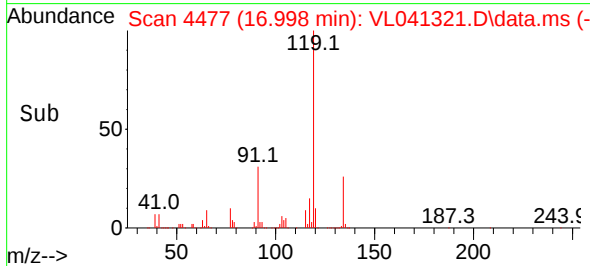
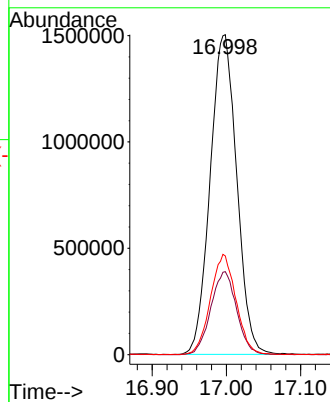
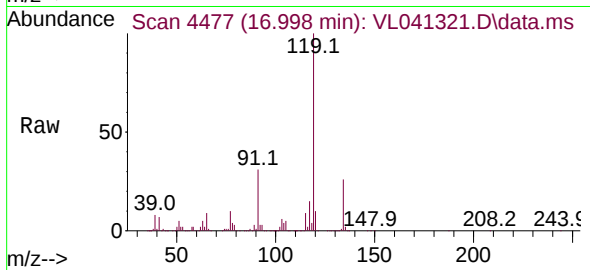
Tgt Ion:119 Resp: 3736449

Ion Ratio Lower Upper

119 100

134 25.3 20.1 30.1

91 30.3 24.1 36.1



#70

n-Butylbenzene

Concen: 9.470 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

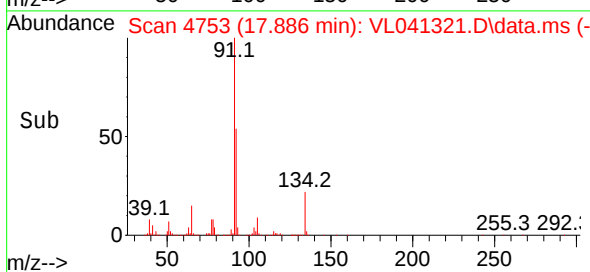
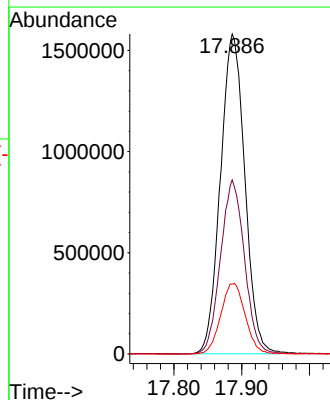
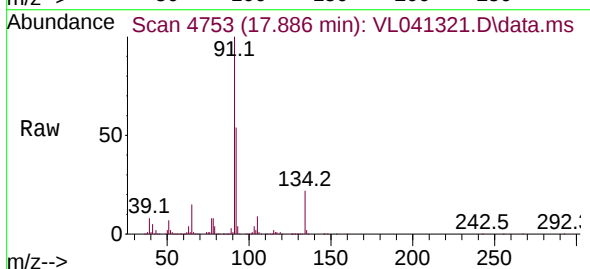
Tgt Ion: 91 Resp: 3951078

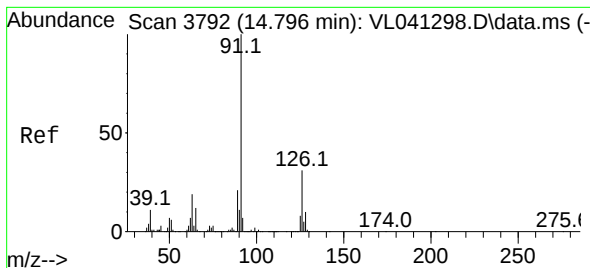
Ion Ratio Lower Upper

91 100

92 53.6 42.9 64.3

134 22.3 17.9 26.9

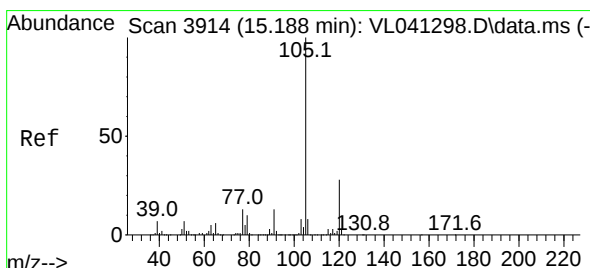
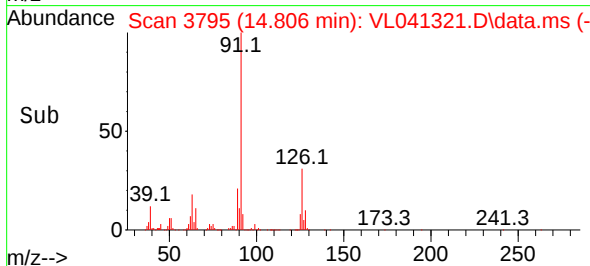
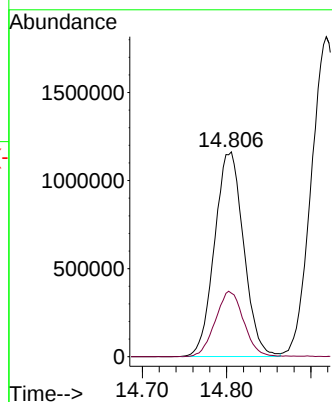
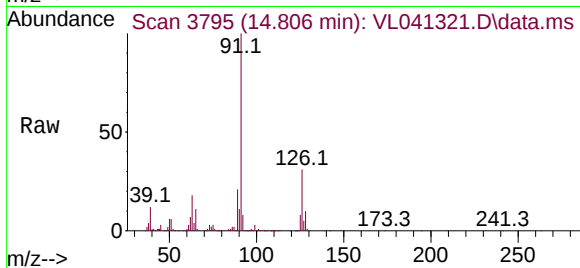




#71
2-Chlorotoluene
Concen: 9.354 ppbv
RT: 14.806 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

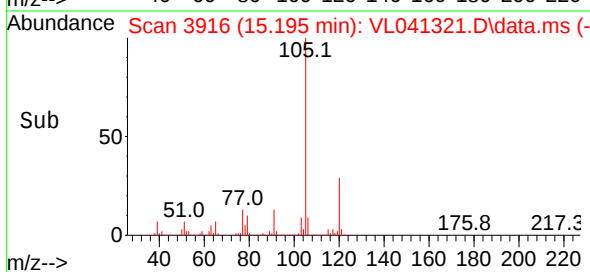
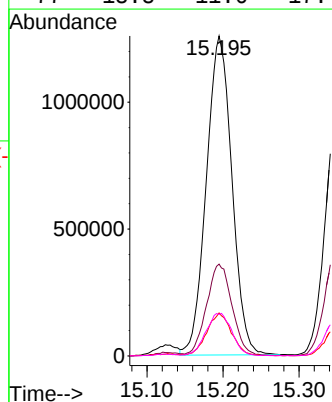
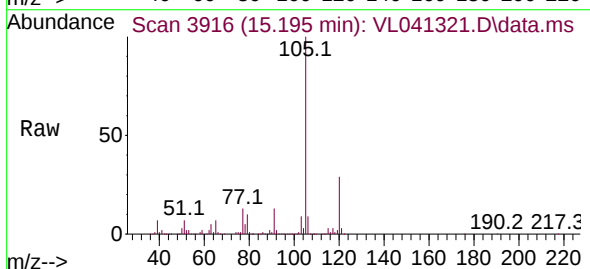
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

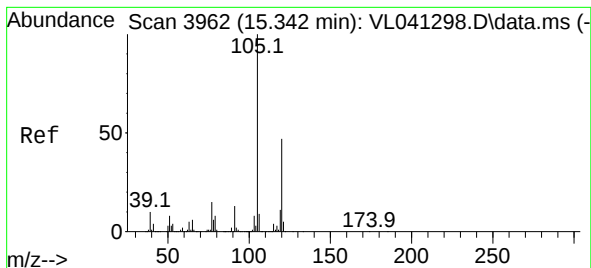
Tgt Ion: 91 Resp: 2781896
Ion Ratio Lower Upper
91 100
126 31.4 12.4 49.8



#72
4-Ethyltoluene
Concen: 9.805 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. 0.007 min
Lab File: VL041321.D
Acq: 5 Jun 2024 9:27

Tgt Ion:105 Resp: 2934791
Ion Ratio Lower Upper
105 100
120 29.0 23.7 35.5
91 13.0 10.6 16.0
77 13.8 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.686 ppbv

RT: 15.355 min Scan# 3962

Delta R.T. 0.013 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

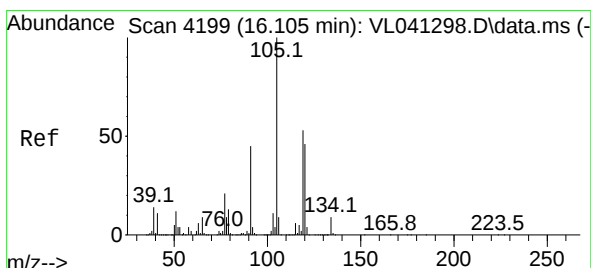
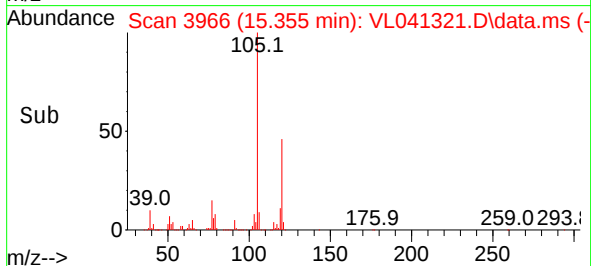
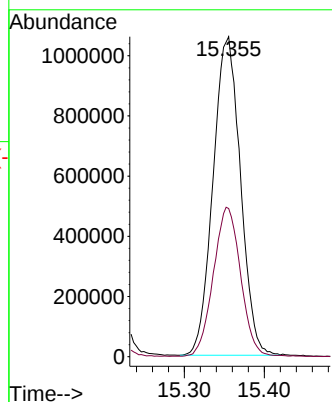
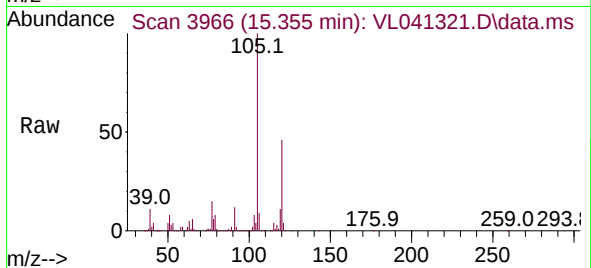
VSTDCCC010

Tgt Ion:105 Resp: 2516355

Ion Ratio Lower Upper

105 100

120 46.4 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 9.361 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.003 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Tgt Ion:105 Resp: 2750380

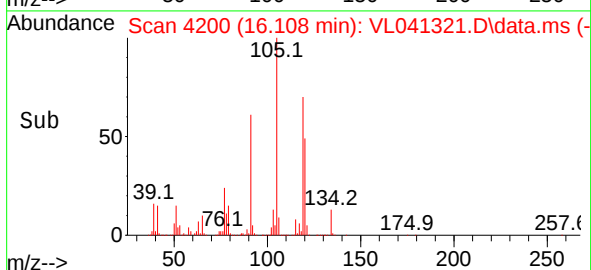
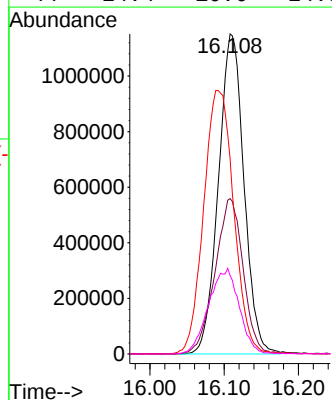
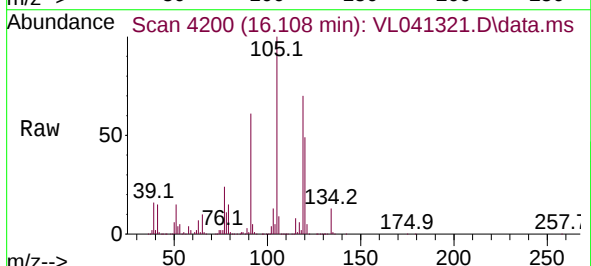
Ion Ratio Lower Upper

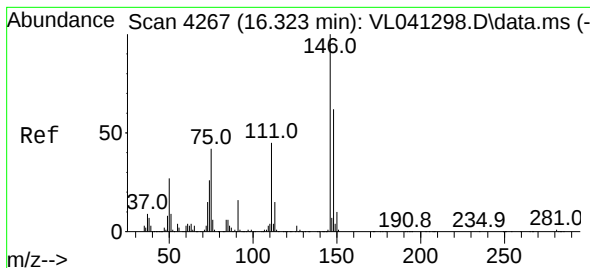
105 100

120 48.4 37.0 55.6

91 60.7 36.2 54.4#

77 24.4 16.6 24.8





#75

1,3-Dichlorobenzene

Concen: 9.537 ppbv

RT: 16.333 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

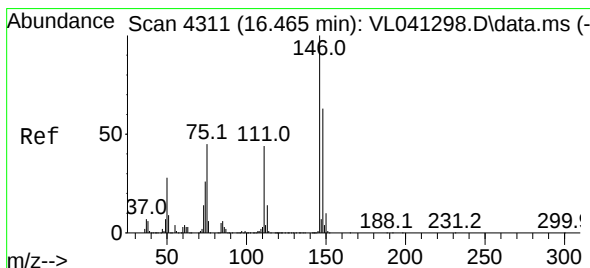
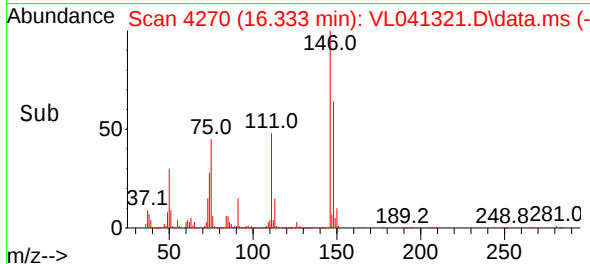
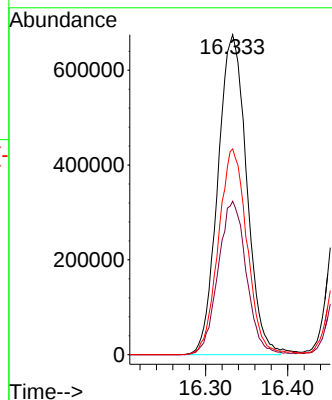
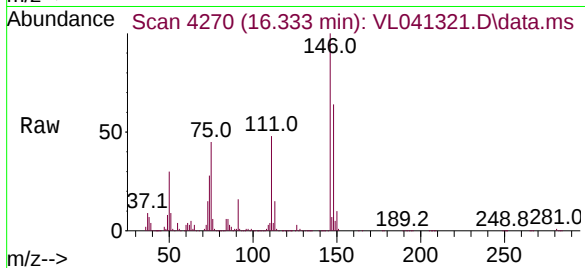
Tgt Ion:146 Resp: 1644913

Ion Ratio Lower Upper

146 100

111 47.2 23.3 69.8

148 64.3 32.2 96.6



#76

1,4-Dichlorobenzene

Concen: 9.487 ppbv

RT: 16.478 min Scan# 4315

Delta R.T. 0.013 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

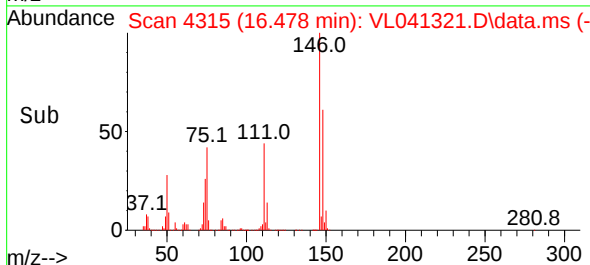
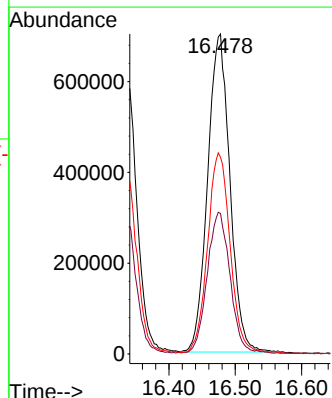
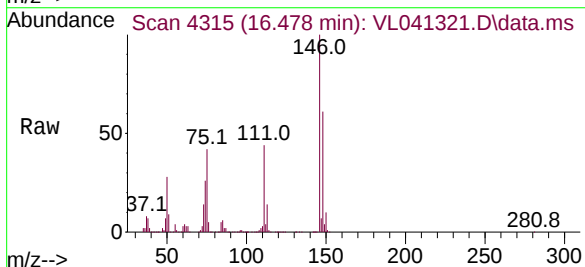
Tgt Ion:146 Resp: 1634938

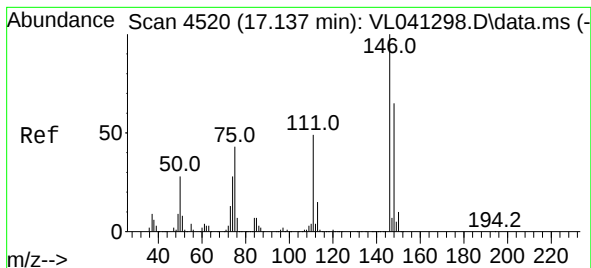
Ion Ratio Lower Upper

146 100

111 46.0 23.3 69.9

148 64.6 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 9.186 ppbv

RT: 17.143 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

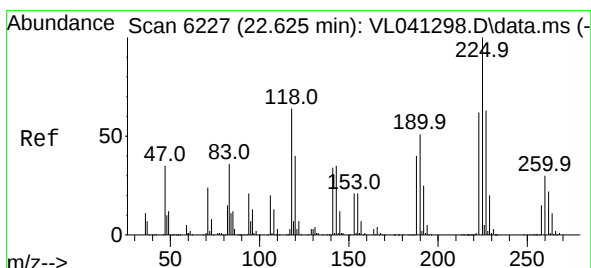
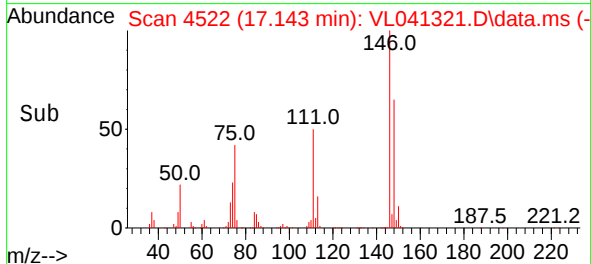
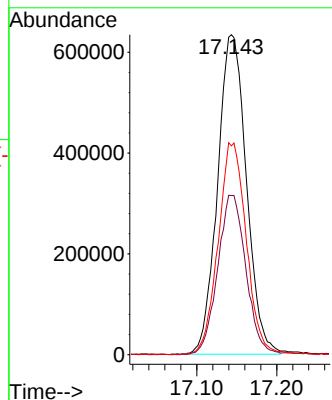
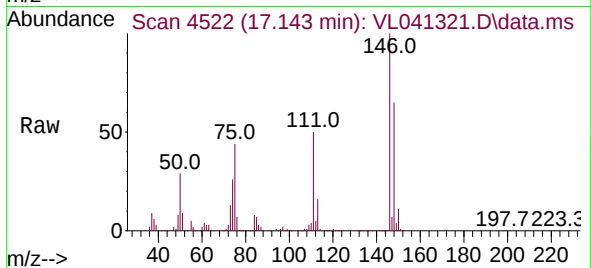
Tgt Ion:146 Resp: 1585942

Ion Ratio Lower Upper

146 100

111 49.3 24.3 72.9

148 65.2 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 6.860 ppbv

RT: 22.635 min Scan# 6230

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

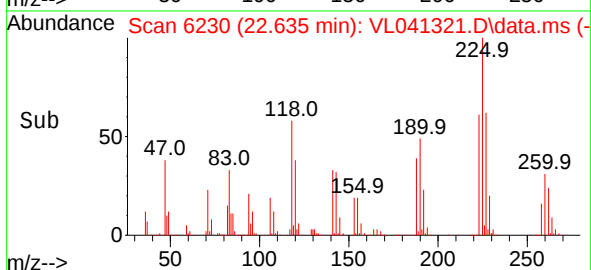
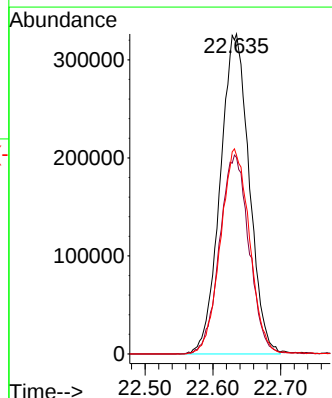
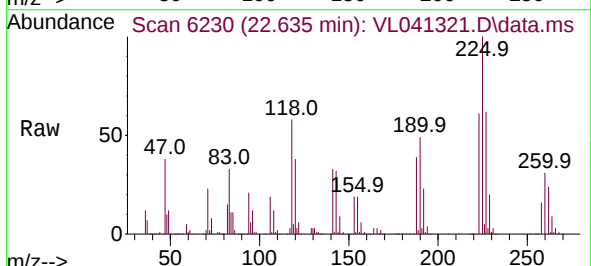
Tgt Ion:225 Resp: 970640

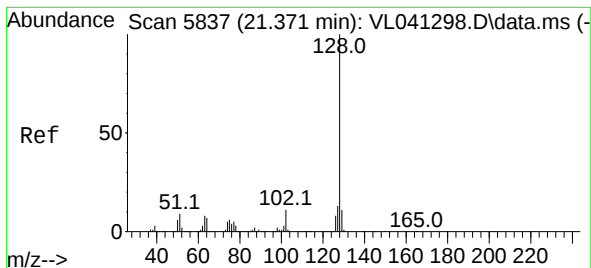
Ion Ratio Lower Upper

225 100

223 63.4 51.0 76.6

227 64.6 51.1 76.7





#79

Naphthalene

Concen: 11.467 ppbv

RT: 21.381 min Scan# 5840

Delta R.T. 0.010 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

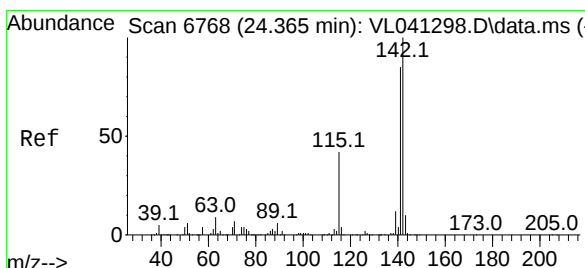
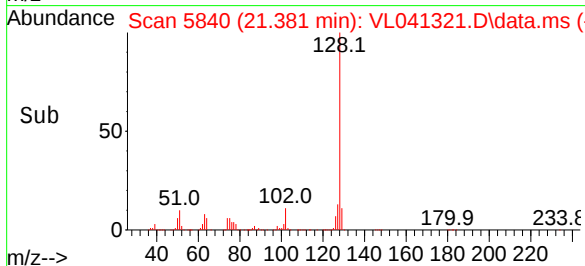
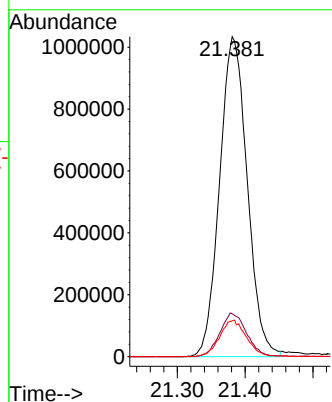
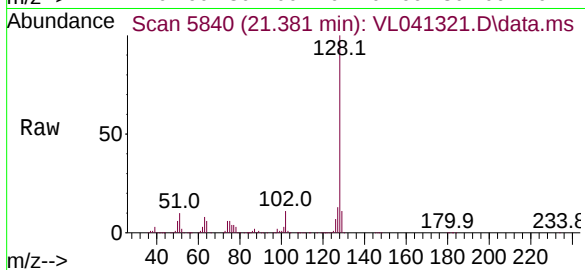
Tgt Ion:128 Resp: 2923397

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 11.2 9.1 13.7



#80

Naphthalene, 2-methyl-

Concen: 11.170 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. 0.007 min

Lab File: VL041321.D

Acq: 5 Jun 2024 9:27

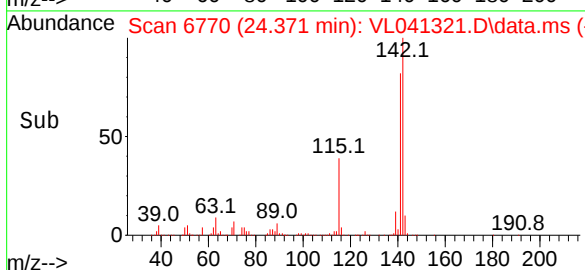
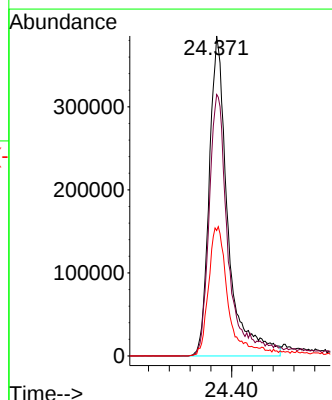
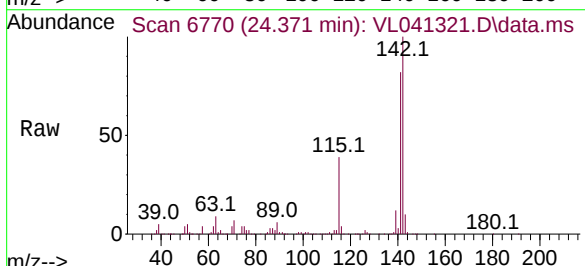
Tgt Ion:142 Resp: 961670

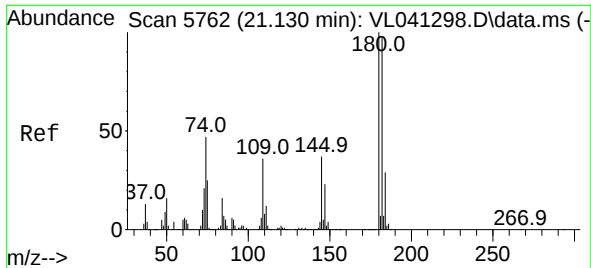
Ion Ratio Lower Upper

142 100

141 87.1 68.5 102.7

115 45.5 32.6 49.0





#81

1,2,4-Trichlorobenzene

Concen: 9.811 ppbv

RT: 21.140 min Scan# 5

Delta R.T. 0.010 min

Lab File: VL041321.D

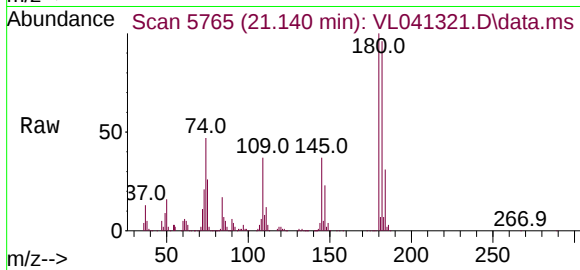
Acq: 5 Jun 2024 9:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 1394734

Ion Ratio Lower Upper

180 100

182 97.1 77.0 115.6

184 30.4 0.0 0.0#

