

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041081.D
 Acq On : 11 Mar 2024 10:27
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Mar 12 05:48:09 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Tue Mar 12 05:47:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1216439	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3455865	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3129832	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.796	95	2505893	10.240	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	145799	0.629	ppbv	94
3) Chlorodifluoromethane	2.668	51	110838	0.620	ppbv	98
4) Chloromethane	2.812	50	43264	0.640	ppbv #	85
5) Vinyl Chloride	2.918	62	41057	0.597	ppbv	96
6) Bromomethane	3.121	94	16320	0.598	ppbv	87
7) Chloroethane	3.195	64	8846	0.365	ppbv #	87
8) Dichlorotetrafluoroethane	2.854	85	109126	0.648	ppbv	94
9) Propene	2.687	41	35198	0.592	ppbv	93
10) Heptane	7.590	43	64773	0.455	ppbv	93
11) Trichlorofluoromethane	3.562	101	116845	0.654	ppbv	91
12) 1,1,2-Trichlorotrifluo...	4.066	101	80082	0.609	ppbv	96
13) Ethanol	3.253	45	4412	0.293	ppbv #	38
14) Bromoethene	3.365	108	21108	0.412	ppbv #	52
15) Acetone	3.481	43	101293	0.731	ppbv	91
16) 1,3-Butadiene	2.986	39	31713	0.486	ppbv	87
17) tert-Butyl alcohol	3.896	59	59310	0.576	ppbv	99
18) 1,1-Dichloroethene	3.880	96	21894	0.378	ppbv	91
19) Isopropyl Alcohol	3.597	45	39141	0.529	ppbv #	83
20) Methylene Chloride	3.938	84	39367	0.729	ppbv #	78
21) Allyl Chloride	3.999	41	41398	0.529	ppbv #	87
22) trans-1,2-Dichloroethene	4.449	96	30287	0.440	ppbv #	83
23) Vinyl Acetate	4.635	43	62808	0.408	ppbv #	93
24) 1,1-Dichloroethane	4.571	63	74634	0.527	ppbv	98
25) Ethyl Acetate	5.224	43	58631	0.235	ppbv #	65
26) Hexane	5.224	57	53480	0.478	ppbv	85
27) Carbon Disulfide	4.127	76	35633	0.266	ppbv #	22
28) Methyl tert-Butyl Ether	4.603	73	46588	0.472	ppbv	97
29) Chloroform	5.282	83	107682	0.559	ppbv	100
30) Cyclohexane	6.613	84	24646	0.269	ppbv #	34
31) cis-1,2-Dichloroethene	5.086	61	31243	0.288	ppbv	93
32) 1,1,1-Trichloroethane	6.015	97	100363	0.582	ppbv	97
34) 2-Butanone	4.803	43	46922	0.273	ppbv #	54
35) Carbon Tetrachloride	6.504	117	101372	0.504	ppbv	94
36) Benzene	6.381	78	117634	0.457	ppbv	95
37) 1,2-Dichloroethane	5.812	62	52939	0.342	ppbv #	83
38) Trichloroethene	7.304	130	45705	0.476	ppbv #	78
39) 1,2-Dichloropropane	7.089	63	18237	0.177	ppbv	92
40) 1,4-Dioxane	7.298	88	214	0.005	ppbv #	1
41) Tetrahydrofuran	5.594	42	39719	0.390	ppbv	97
42) Bromodichloromethane	7.262	83	102119	0.461	ppbv #	95
43) Methyl Methacrylate	7.491	69	20114	0.202	ppbv #	1
44) 2,2,4-Trimethylpentane	7.340	57	195034	0.454	ppbv	92
45) t-1,3-Dichloropropene	8.722	75	9995	0.145	ppbv	92

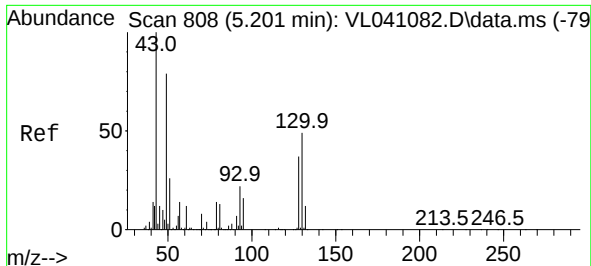
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041081.D
 Acq On : 11 Mar 2024 10:27
 Operator : SY/MD
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 VSTDICC0.5

Quant Time: Mar 12 05:48:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 12 05:47:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	21962	0.255	ppbv #	85
47) 1,1,2-Trichloroethane	8.909	97	28584	0.260	ppbv	93
48) Dibromochloromethane	9.729	129	74951	0.418	ppbv	97
49) Bromoform	12.423	173	57613	0.405	ppbv	97
50) 4-Methyl-2-Pentanone	8.211	43	44852	0.178	ppbv #	39
51) 2-Hexanone	9.587	43	58391	0.312	ppbv #	96
52) Tetrachloroethene	10.629	164	28365	0.355	ppbv	92
53) Toluene	9.240	91	106725	0.385	ppbv	99
54) 1,2-Dibromoethane	10.028	107	64555	0.458	ppbv	85
56) 1,1,1,2-Tetrachloroethane	11.529	131	29062	0.217	ppbv #	1
57) Chlorobenzene	11.545	112	55107	0.246	ppbv #	94
58) Ethyl Benzene	12.108	91	146325	0.399	ppbv	90
59) m/p-Xylene	12.388	91	135422	0.421	ppbv #	35
60) o-Xylene	13.076	91	128985	0.423	ppbv	100
61) Styrene	12.918	104	27508	0.198	ppbv #	37
62) Isopropylbenzene	14.047	105	213526	0.470	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.069	83	130079	0.558	ppbv	100
64) n-propylbenzene	14.941	120	22410	0.196	ppbv #	1
65) tert-Butylbenzene	16.111	119	101082	0.257	ppbv #	19
66) Benzyl Chloride	16.349	91	2418	0.091	ppbv #	46
67) sec-Butylbenzene	16.654	105	260908	0.460	ppbv	98
69) p-Isopropyltoluene	17.011	119	87310	0.197	ppbv #	30
70) n-Butylbenzene	17.905	91	97696	0.204	ppbv #	35
71) 2-Chlorotoluene	14.822	91	153830	0.443	ppbv	98
72) 4-Ethyltoluene	15.214	105	132834	0.395	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.378	105	119664	0.402	ppbv	86
74) 1,2,4-Trimethylbenzene	16.127	105	156957	0.462	ppbv	94
75) 1,3-Dichlorobenzene	16.349	146	94731	0.488	ppbv	96
76) 1,4-Dichlorobenzene	16.490	146	88982	0.456	ppbv	92
77) 1,2-Dichlorobenzene	17.166	146	60028	0.313	ppbv #	58
78) Hexachloro-1,3-Butadiene	22.654	225	12629	0.094	ppbv #	1
79) Naphthalene	21.429	128	28280	0.141	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	111	0.004	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.169	180	27916	0.244	ppbv #	30

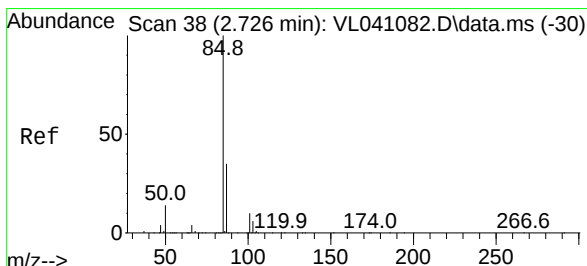
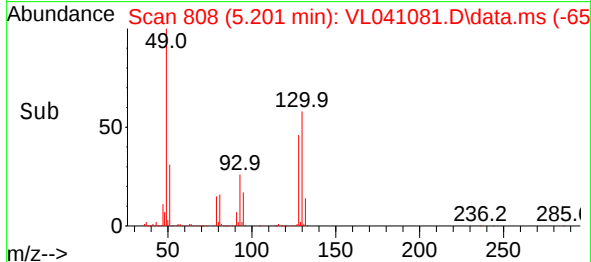
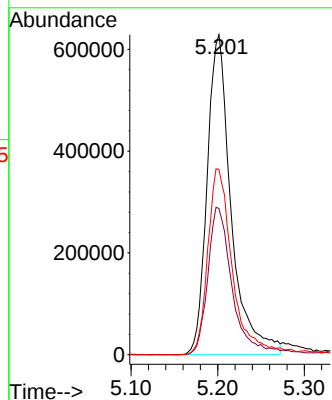
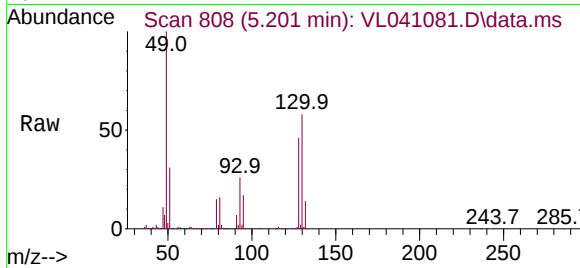
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

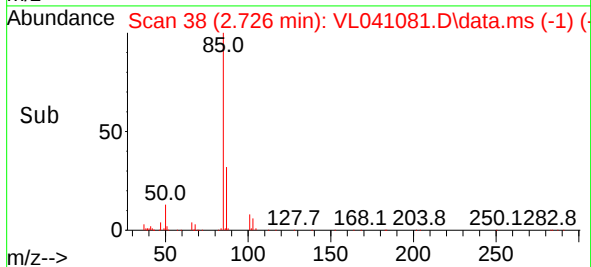
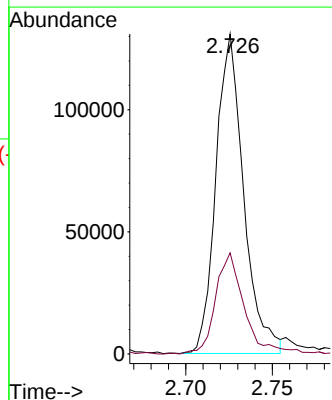
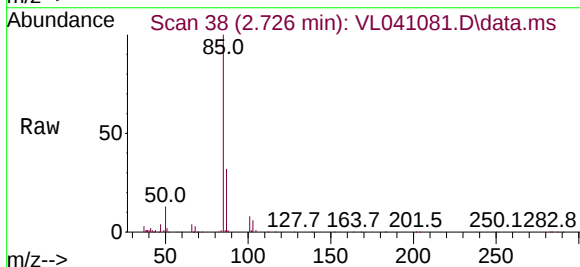
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MSVOA_L
ClientSampleId :
VSTDICC0.5

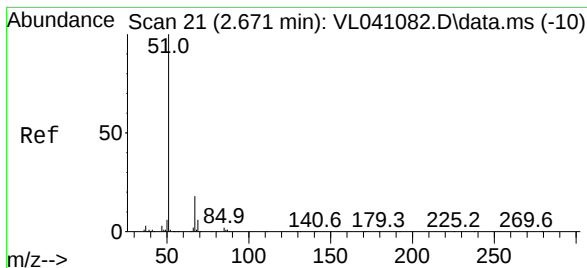
Tgt Ion: 49 Resp: 1216439
Ion Ratio Lower Upper
49 100
128 48.5 23.8 71.5
130 62.4 30.3 90.9



#2
Dichlorodifluoromethane
Concen: 0.629 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.000 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

Tgt Ion: 85 Resp: 145799
Ion Ratio Lower Upper
85 100
87 31.7 28.1 42.1

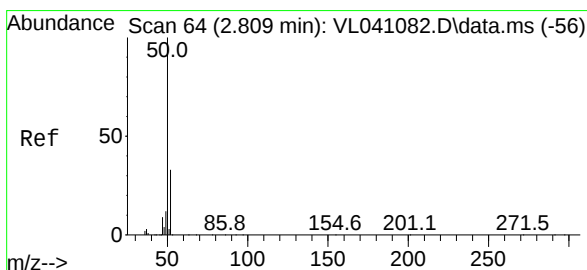
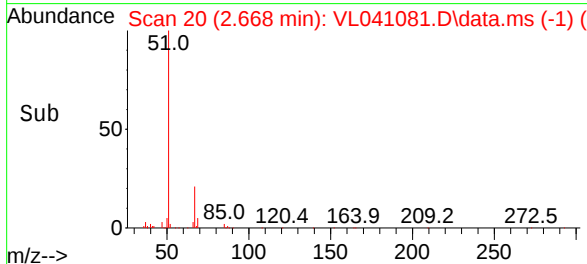
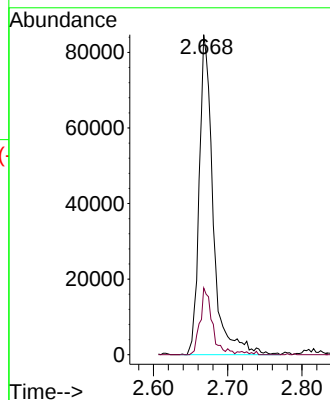
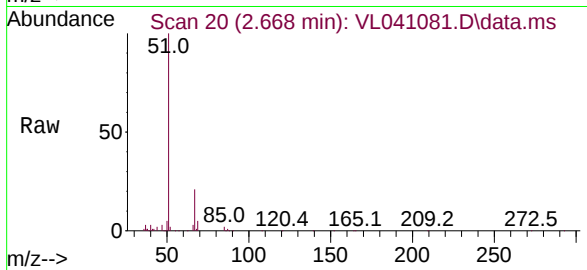




#3
Chlorodifluoromethane
Concen: 0.620 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

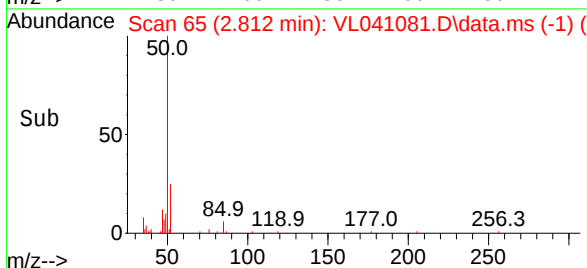
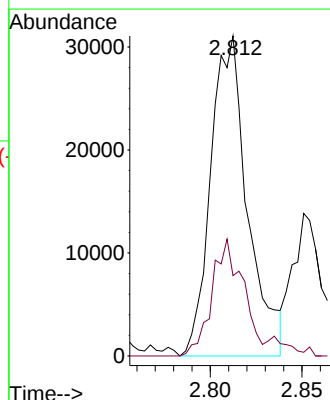
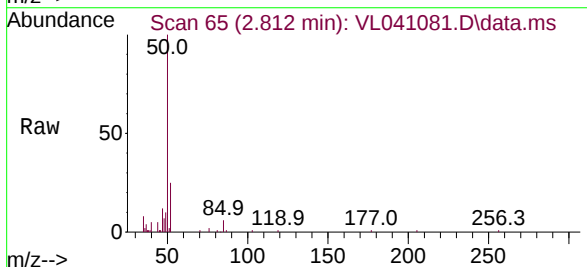
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

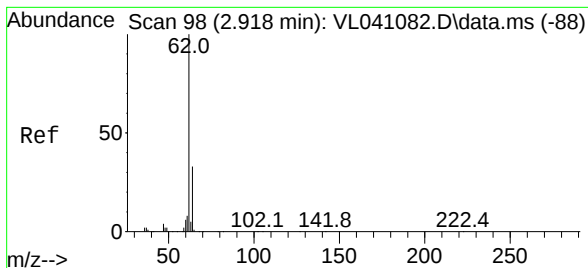
Tgt Ion: 51 Resp: 110838
Ion Ratio Lower Upper
51 100
67 19.1 14.5 21.7



#4
Chloromethane
Concen: 0.640 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

Tgt Ion: 50 Resp: 43264
Ion Ratio Lower Upper
50 100
52 24.6 26.6 40.0#

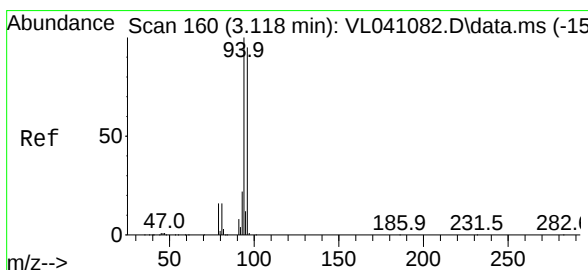
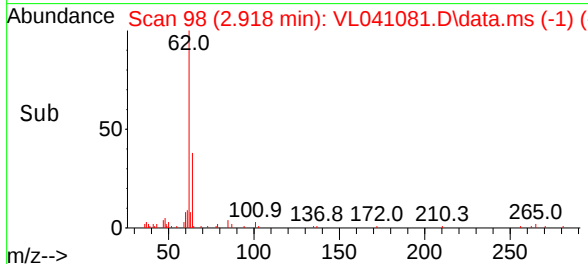
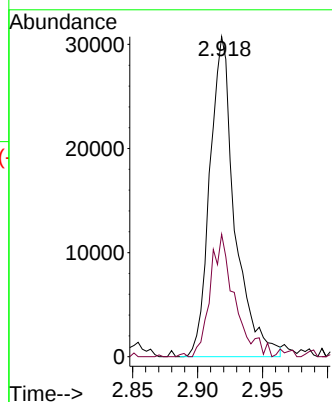
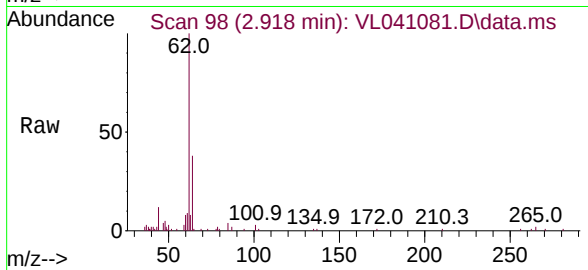




#5
 Vinyl Chloride
 Concen: 0.597 ppbv
 RT: 2.918 min Scan# 98
 Delta R.T. 0.000 min
 Lab File: VL041081.D
 Acq: 11 Mar 2024 10:27

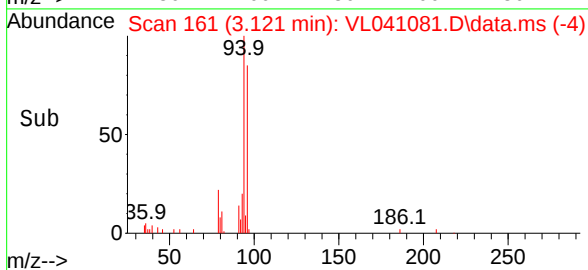
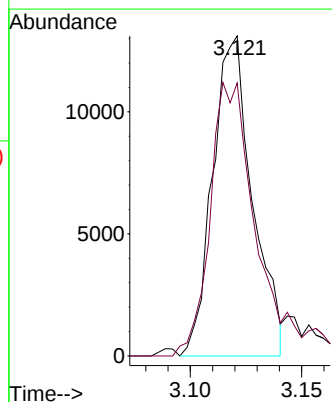
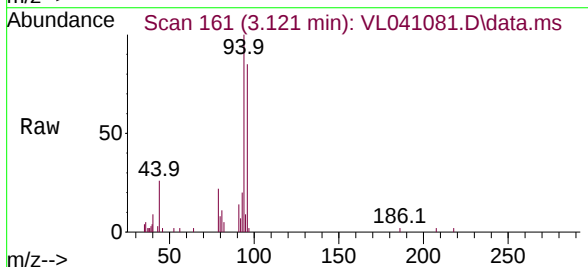
Instrument :
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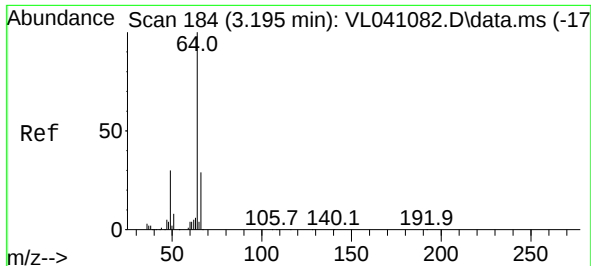
Tgt Ion: 62 Resp: 41057
 Ion Ratio Lower Upper
 62 100
 64 35.6 26.5 39.7



#6
 Bromomethane
 Concen: 0.598 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VL041081.D
 Acq: 11 Mar 2024 10:27

Tgt Ion: 94 Resp: 16320
 Ion Ratio Lower Upper
 94 100
 96 82.2 76.0 114.0

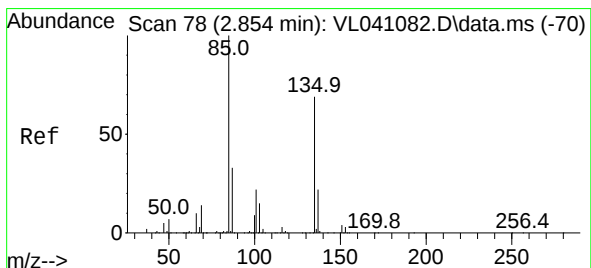
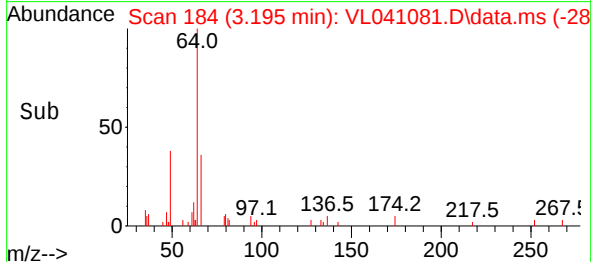
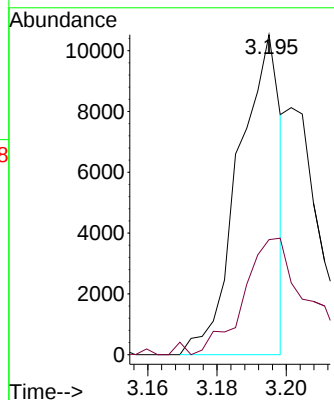
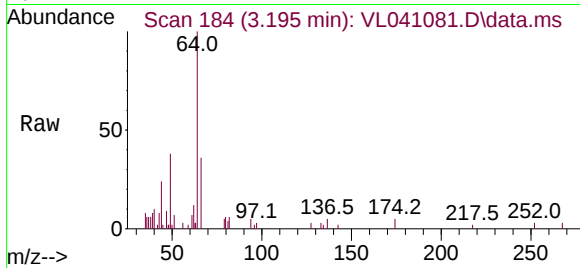




#7
Chloroethane
Concen: 0.365 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

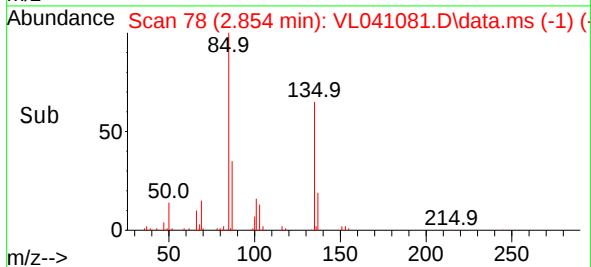
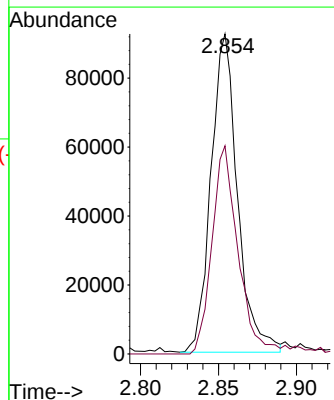
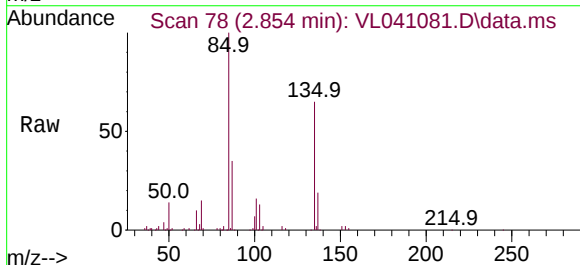
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ClientSampleId :
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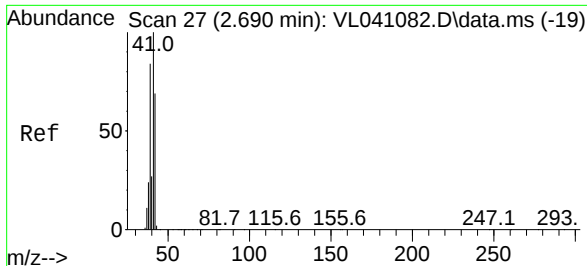
Tgt Ion: 64 Resp: 8846
Ion Ratio Lower Upper
64 100
66 36.0 23.2 34.8#



#8
Dichlorotetrafluoroethane
Concen: 0.648 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.000 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

Tgt Ion: 85 Resp: 109126
Ion Ratio Lower Upper
85 100
135 65.7 56.7 85.1





#9

Propene

Concen: 0.592 ppbv

RT: 2.687 min Scan# 2

Delta R.T. -0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

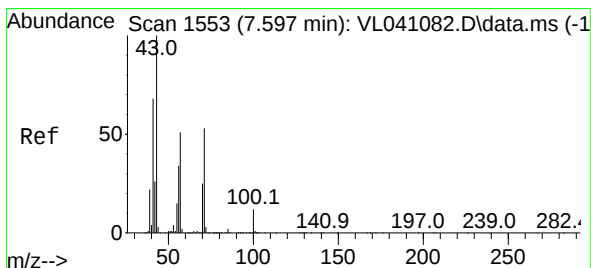
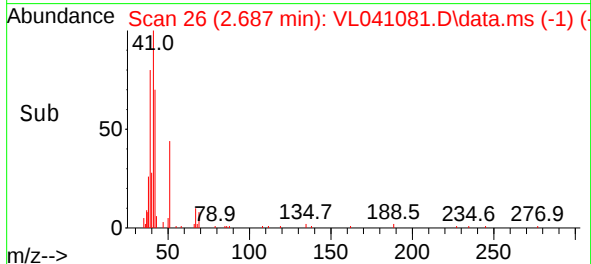
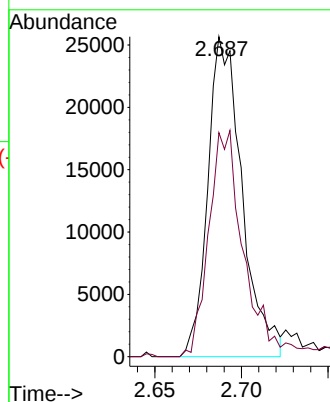
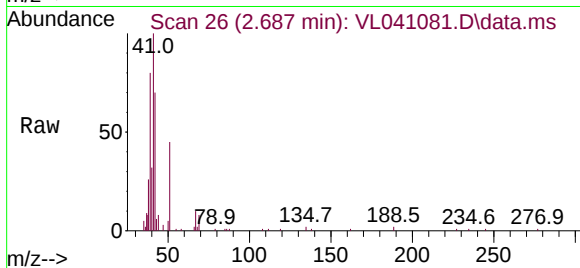
VSTDICC0.5

Tgt Ion: 41 Resp: 35198

Ion Ratio Lower Upper

41 100

42 75.7 55.9 83.9



#10

Heptane

Concen: 0.455 ppbv

RT: 7.590 min Scan# 1551

Delta R.T. -0.006 min

Lab File: VL041081.D

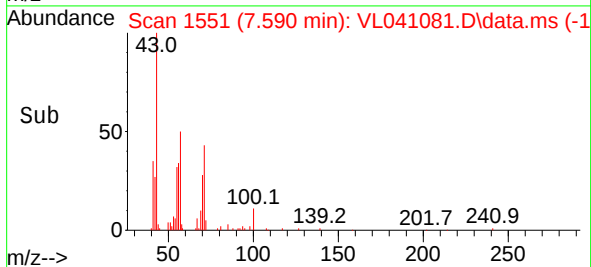
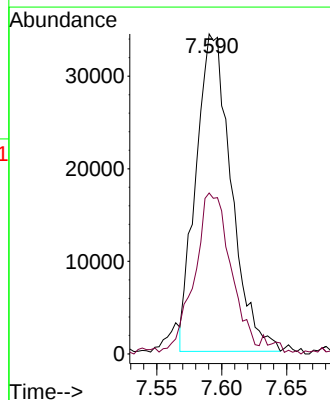
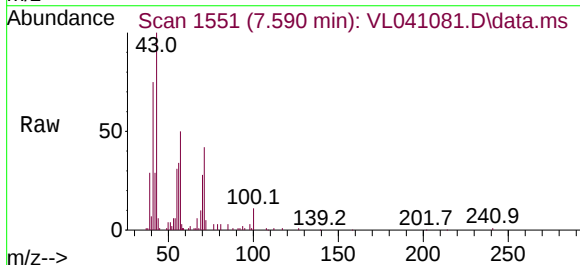
Acq: 11 Mar 2024 10:27

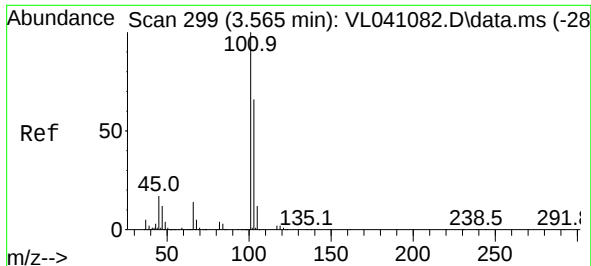
Tgt Ion: 43 Resp: 64773

Ion Ratio Lower Upper

43 100

57 56.0 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.654 ppbv

RT: 3.562 min Scan# 299

Delta R.T. -0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

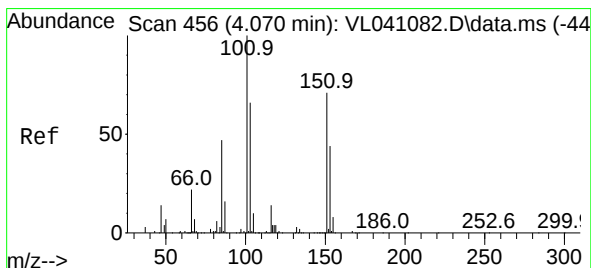
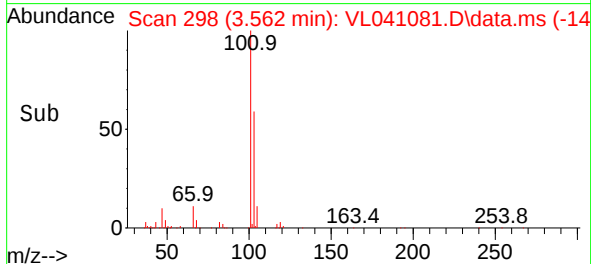
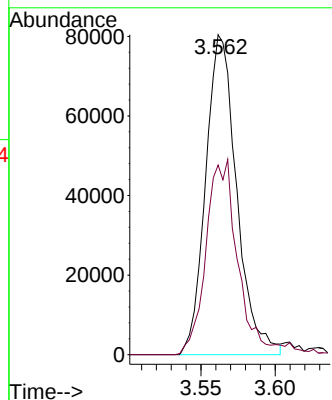
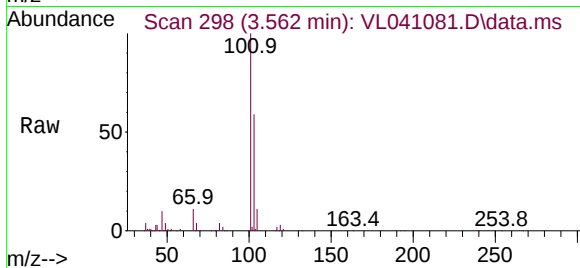
VSTDIC0.5

Tgt Ion:101 Resp: 116845

Ion Ratio Lower Upper

101 100

103 58.9 53.0 79.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.609 ppbv

RT: 4.066 min Scan# 455

Delta R.T. -0.003 min

Lab File: VL041081.D

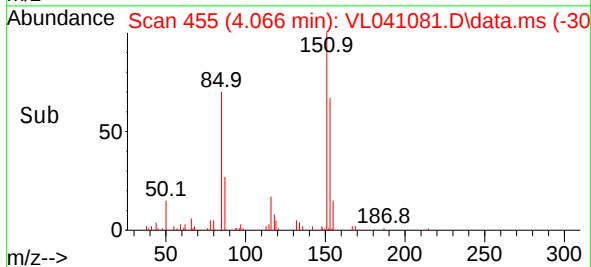
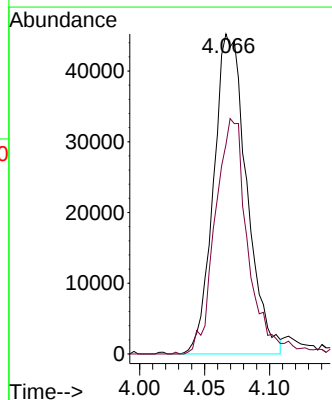
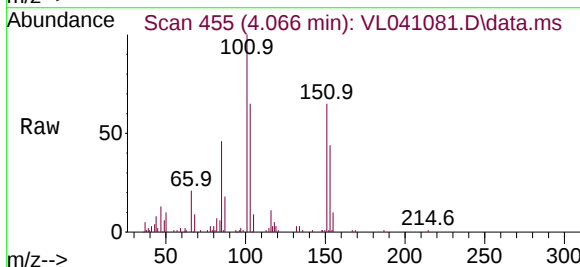
Acq: 11 Mar 2024 10:27

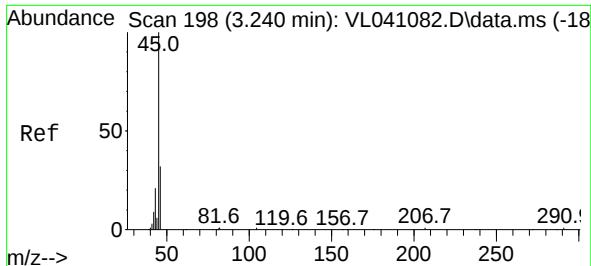
Tgt Ion:101 Resp: 80082

Ion Ratio Lower Upper

101 100

151 73.4 55.8 83.8





#13

Ethanol

Concen: 0.293 ppbv

RT: 3.253 min Scan# 202

Delta R.T. 0.013 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

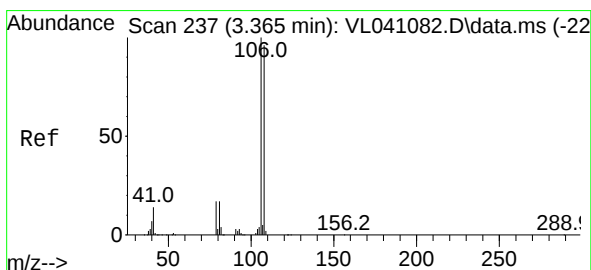
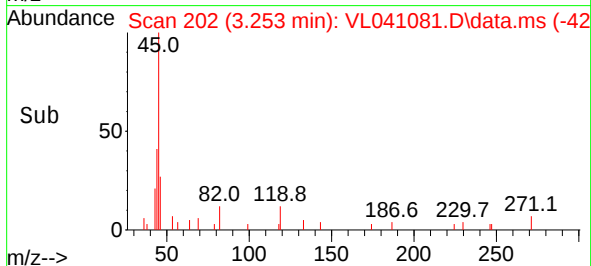
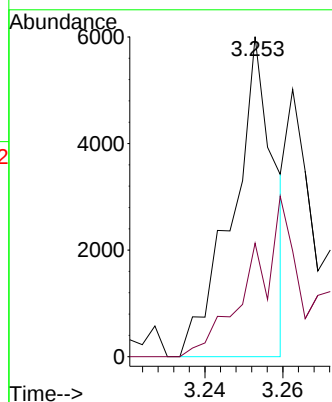
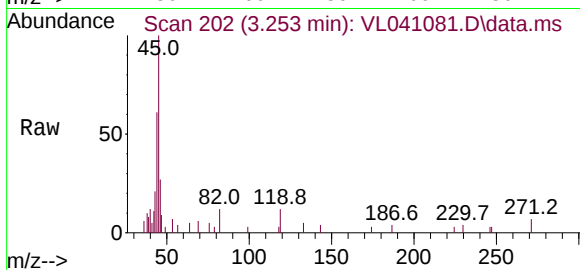
VSTDIC0.5

Tgt Ion: 45 Resp: 4412

Ion Ratio Lower Upper

45 100

46 0.0 14.6 58.2#



#14

Bromoethene

Concen: 0.412 ppbv

RT: 3.365 min Scan# 237

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

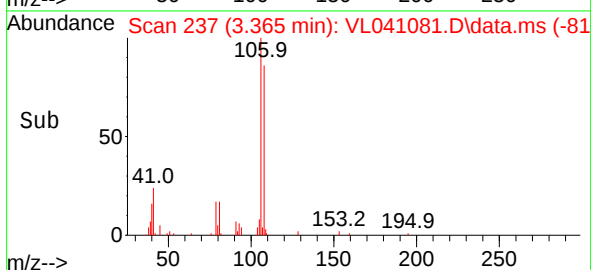
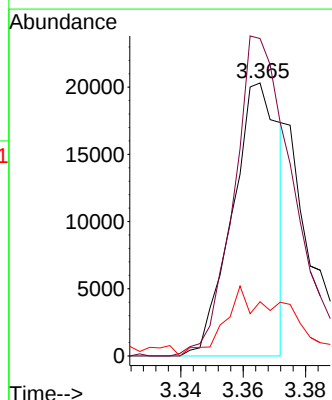
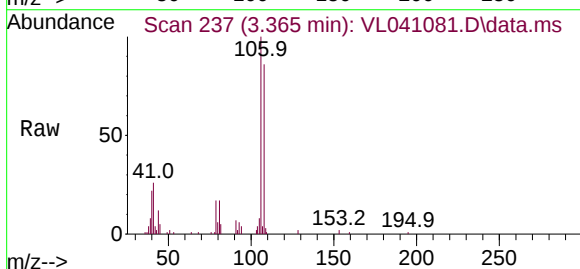
Tgt Ion:108 Resp: 21108

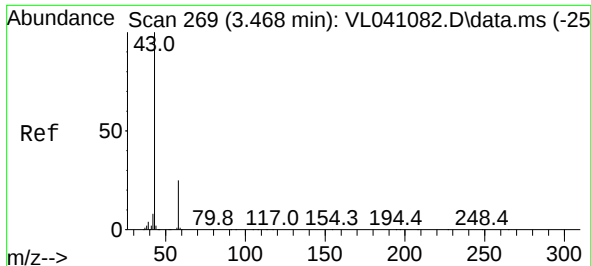
Ion Ratio Lower Upper

108 100

106 160.6 88.1 132.1#

79 42.1 15.6 23.4#

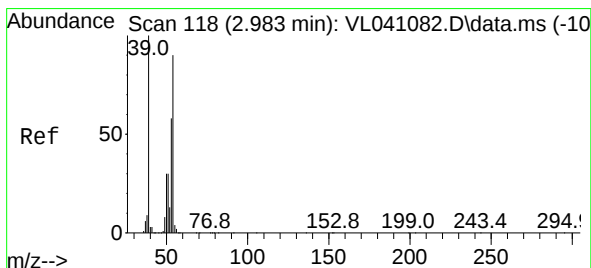
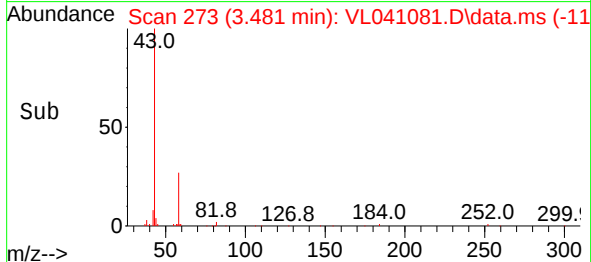
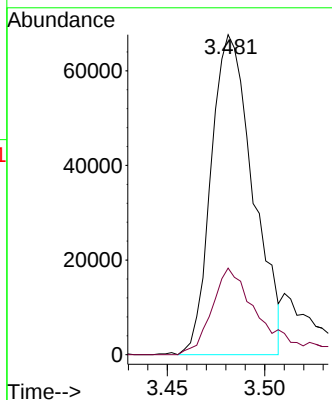
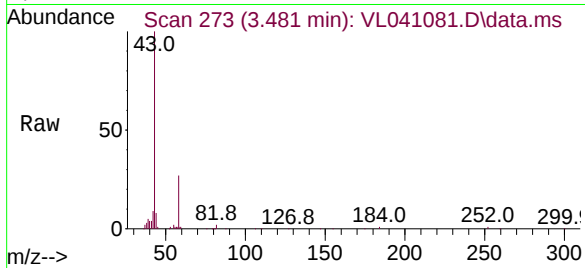




#15
Acetone
Concen: 0.731 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

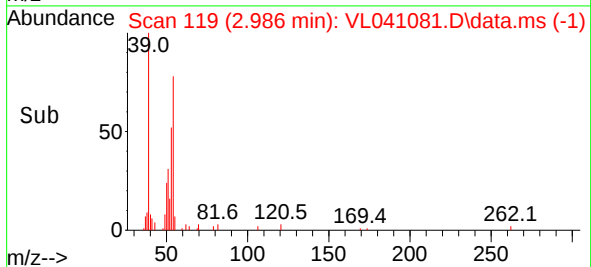
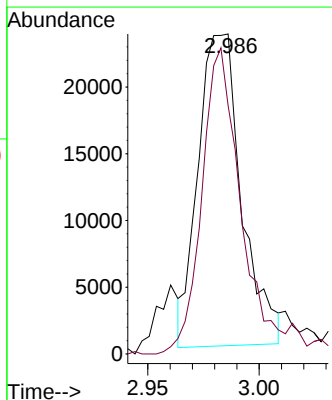
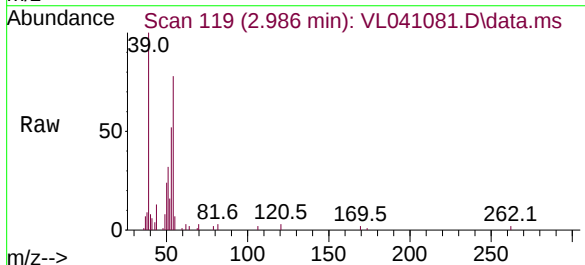
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

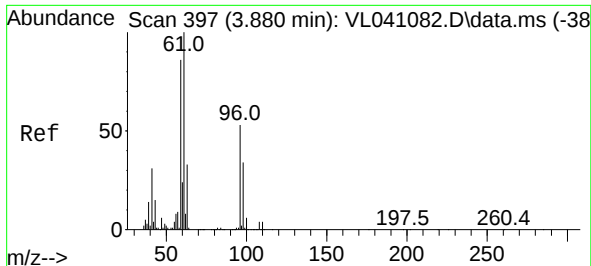
Tgt Ion: 43 Resp: 101293
Ion Ratio Lower Upper
43 100
58 31.9 21.7 32.5



#16
1,3-Butadiene
Concen: 0.486 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.003 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

Tgt Ion: 39 Resp: 31713
Ion Ratio Lower Upper
39 100
54 91.6 64.0 96.0





#17

tert-Butyl alcohol

Concen: 0.576 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.016 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

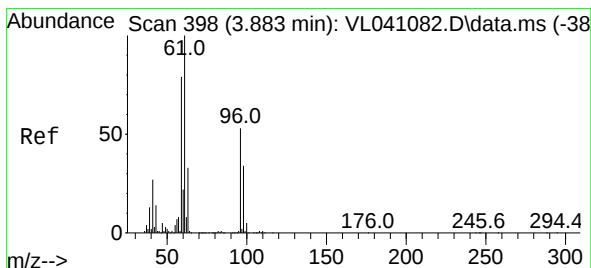
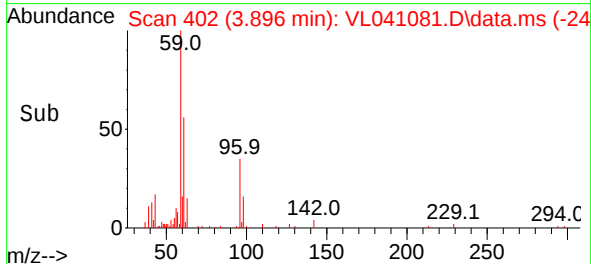
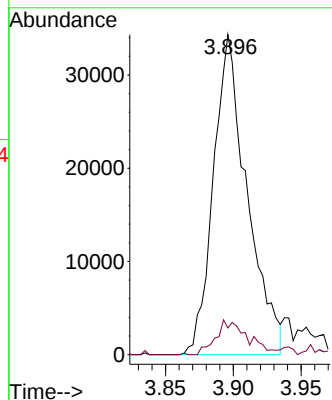
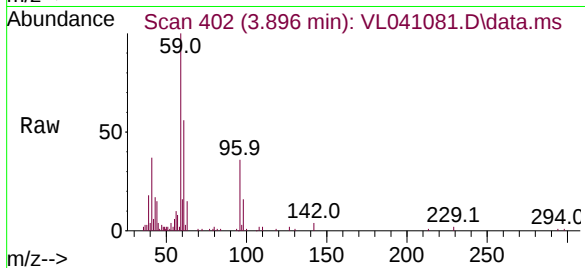
VSTDIC0.5

Tgt Ion: 59 Resp: 59310

Ion Ratio Lower Upper

59 100

57 11.7 9.0 13.6



#18

1,1-Dichloroethene

Concen: 0.378 ppbv

RT: 3.880 min Scan# 397

Delta R.T. -0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

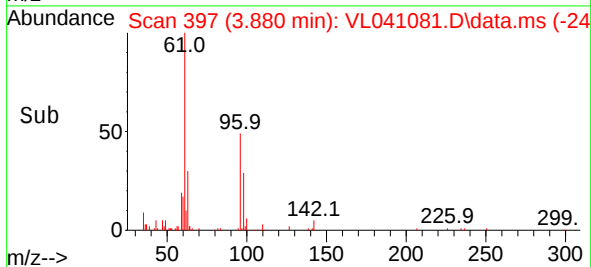
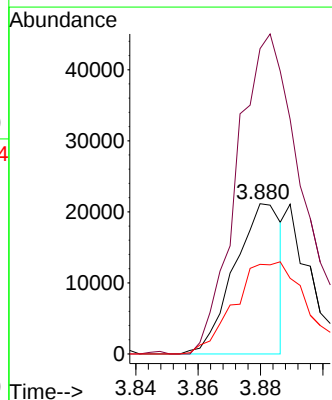
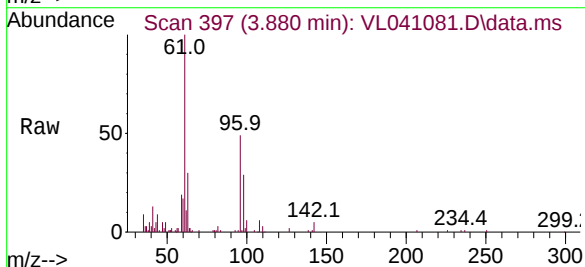
Tgt Ion: 96 Resp: 21894

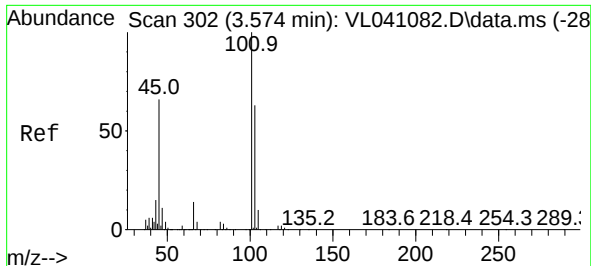
Ion Ratio Lower Upper

96 100

61 203.3 150.2 225.2

98 59.7 50.7 76.1





#19

Isopropyl Alcohol

Concen: 0.529 ppbv

RT: 3.597 min Scan# 309

Delta R.T. 0.023 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

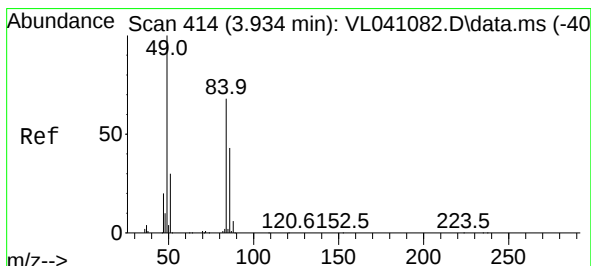
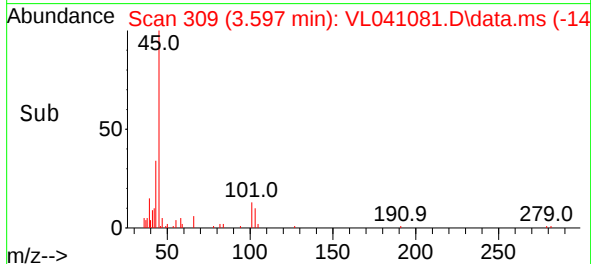
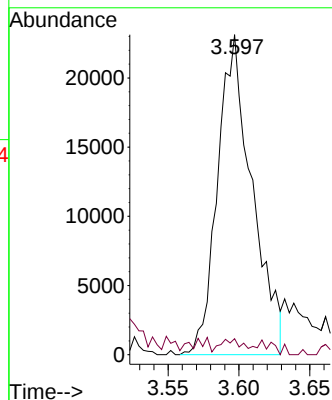
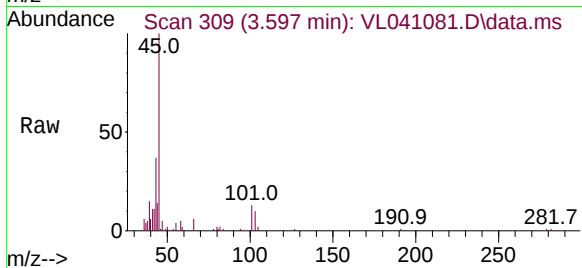
VSTDIC0.5

Tgt Ion: 45 Resp: 39141

Ion Ratio Lower Upper

45 100

58 8.3 2.2 3.4#



#20

Methylene Chloride

Concen: 0.729 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Tgt Ion: 84 Resp: 39367

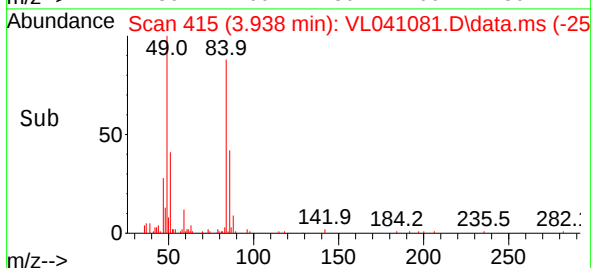
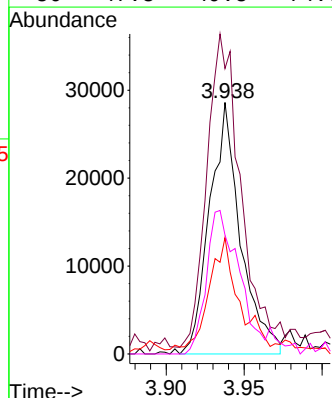
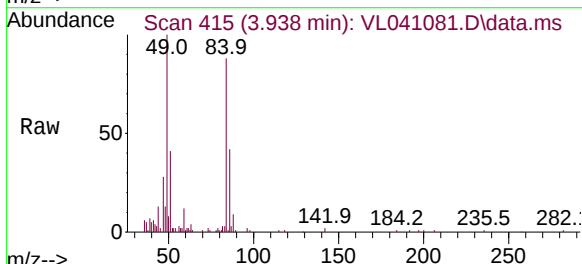
Ion Ratio Lower Upper

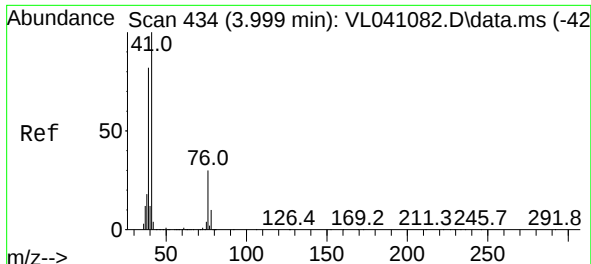
84 100

49 109.1 117.0 175.6#

51 43.5 34.9 52.3

86 47.3 49.8 74.6#





#21

Allyl Chloride

Concen: 0.529 ppbv

RT: 3.999 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

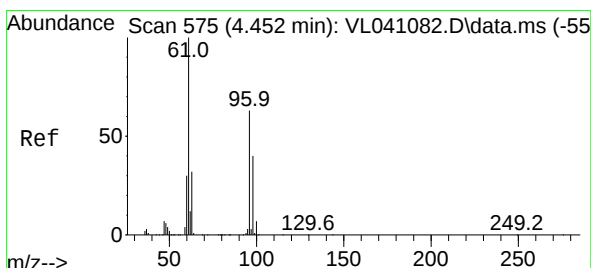
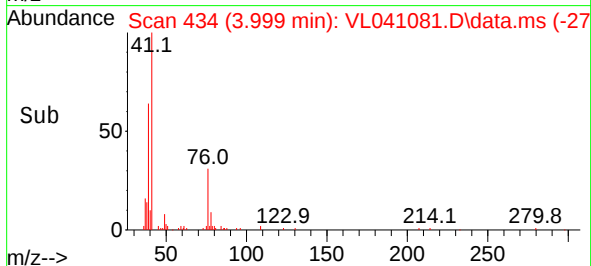
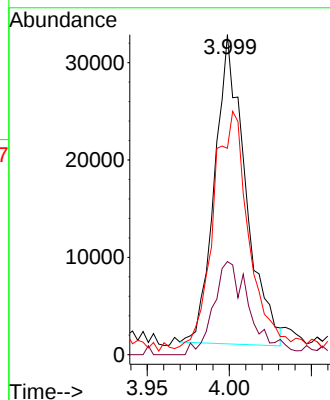
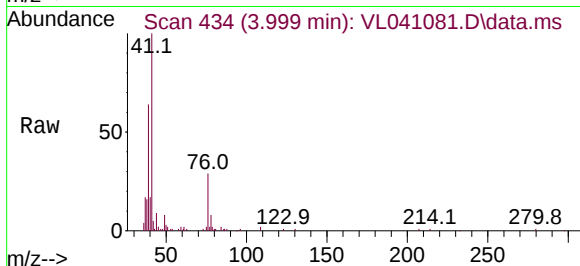
Tgt Ion: 41 Resp: 41398

Ion Ratio Lower Upper

41 100

76 38.7 25.5 38.3#

39 96.2 67.4 101.2



#22

trans-1,2-Dichloroethene

Concen: 0.440 ppbv

RT: 4.449 min Scan# 574

Delta R.T. -0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

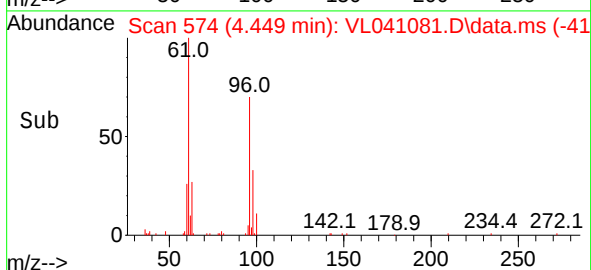
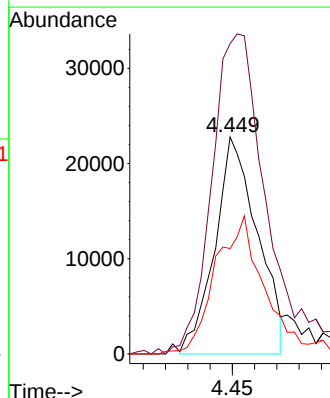
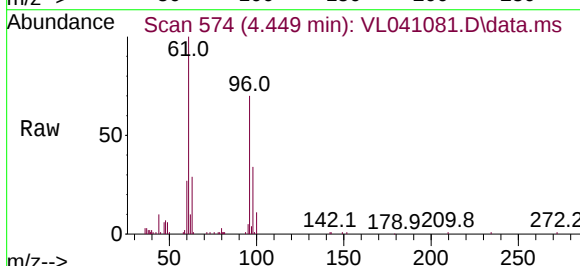
Tgt Ion: 96 Resp: 30287

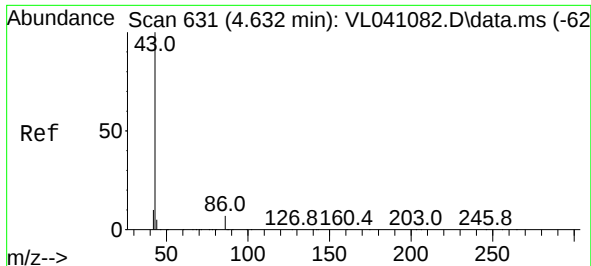
Ion Ratio Lower Upper

96 100

61 138.2 126.7 190.1

98 47.5 50.1 75.1#

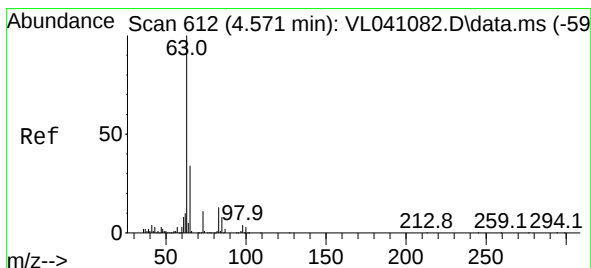
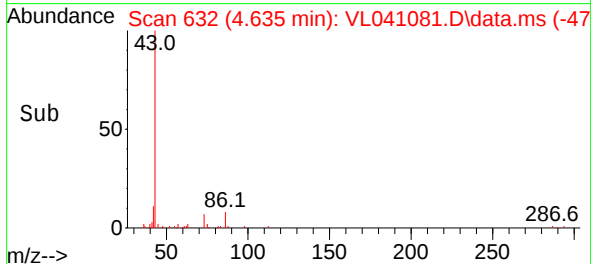
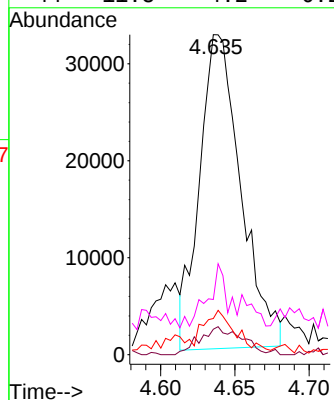
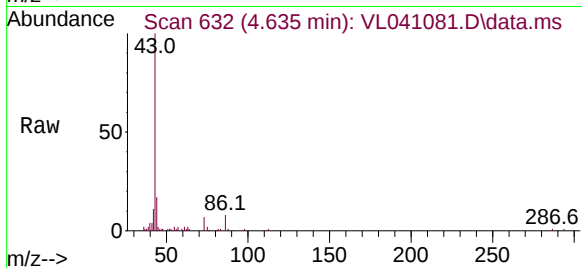




#23
 Vinyl Acetate
 Concen: 0.408 ppbv
 RT: 4.635 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041081.D
 Acq: 11 Mar 2024 10:27

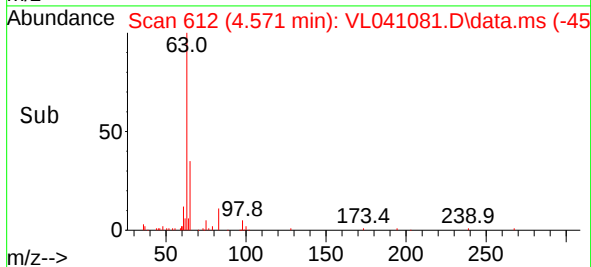
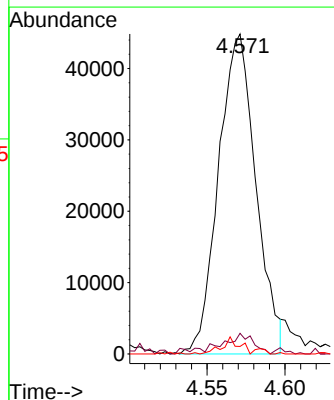
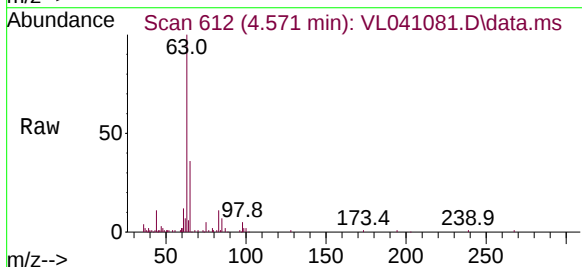
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

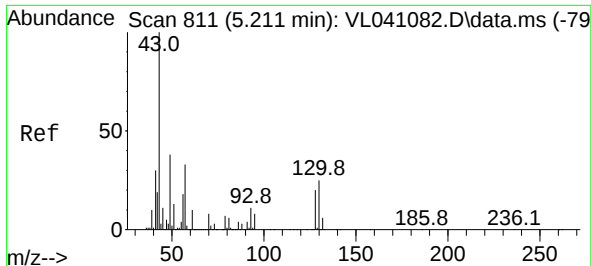
Tgt Ion	43	Resp: Lower	62808 Upper
	43	100	
	86	8.8	5.4 8.2#
	42	9.6	8.0 12.0
	44	11.8	4.2 6.2#



#24
 1,1-Dichloroethane
 Concen: 0.527 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.000 min
 Lab File: VL041081.D
 Acq: 11 Mar 2024 10:27

Tgt Ion: 63	Resp: 74634
Ion Ratio	Lower Upper
63 100	
98 4.7	2.1 6.5
100 2.0	1.4 4.2





#25

Ethyl Acetate

Concen: 0.235 ppbv

RT: 5.224 min Scan# 815

Delta R.T. 0.013 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 58631

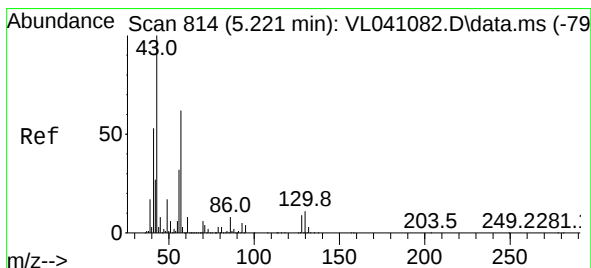
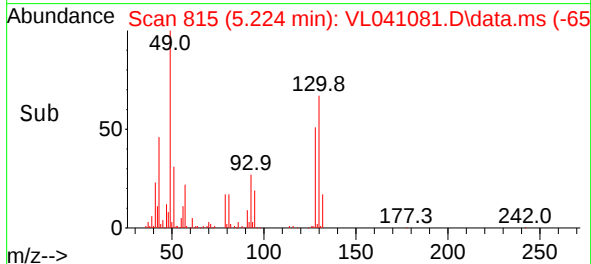
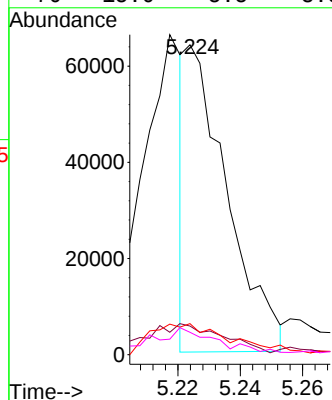
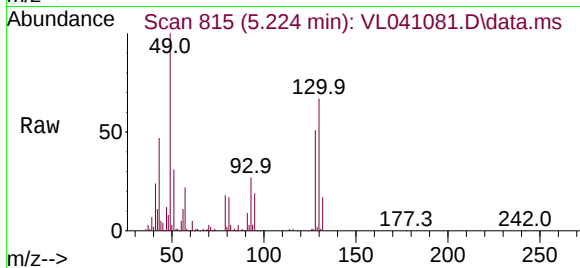
Ion Ratio Lower Upper

43 100

45 25.0 8.2 12.2#

61 23.9 8.2 12.2#

70 15.0 5.5 8.3#



#26

Hexane

Concen: 0.478 ppbv

RT: 5.224 min Scan# 815

Delta R.T. 0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Tgt Ion: 57 Resp: 53480

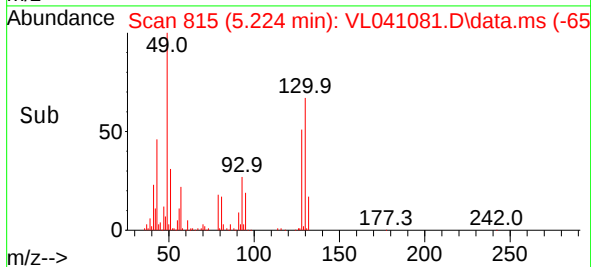
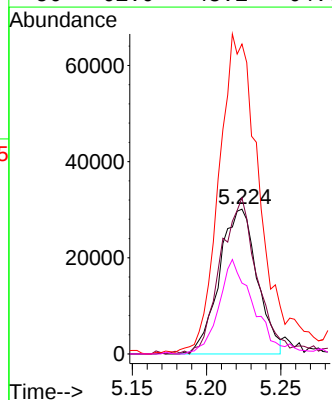
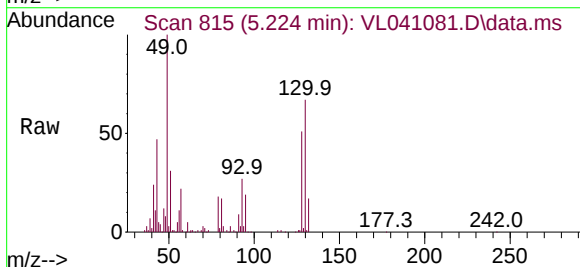
Ion Ratio Lower Upper

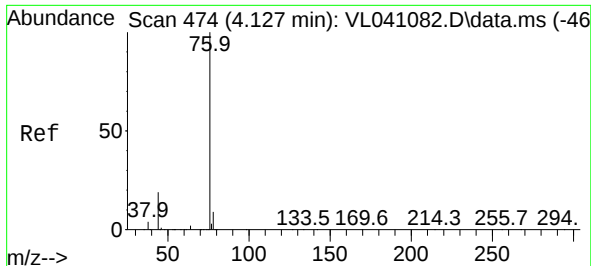
57 100

41 109.7 73.8 110.6

43 254.5 184.2 276.2

56 61.9 43.1 64.7





#27

Carbon Disulfide

Concen: 0.266 ppbv

RT: 4.127 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

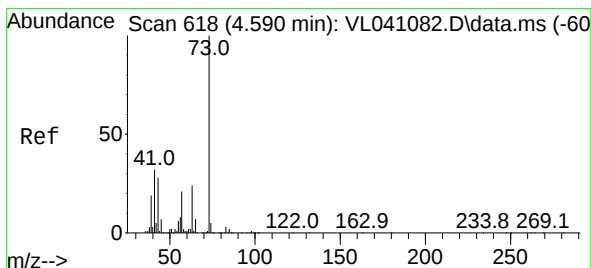
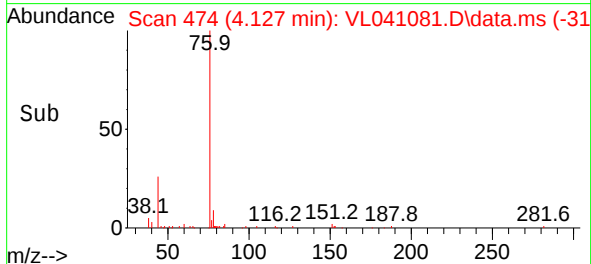
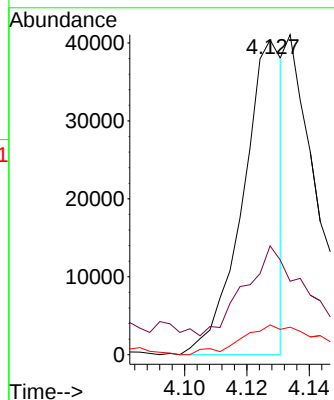
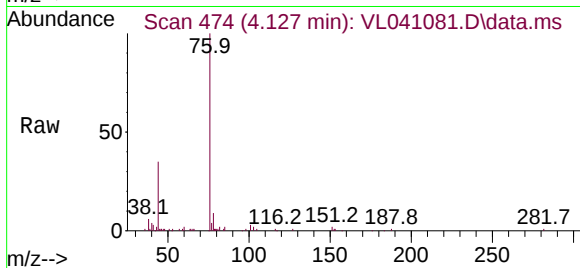
Tgt Ion: 76 Resp: 35633

Ion Ratio Lower Upper

76 100

44 65.6 16.0 24.0#

78 21.7 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.472 ppbv

RT: 4.603 min Scan# 622

Delta R.T. 0.013 min

Lab File: VL041081.D

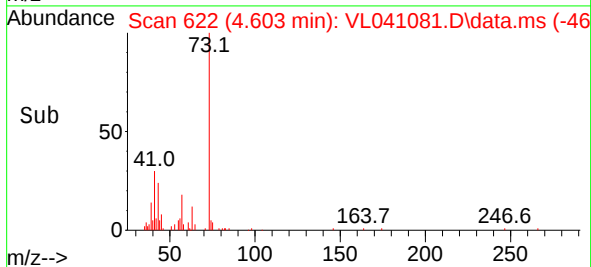
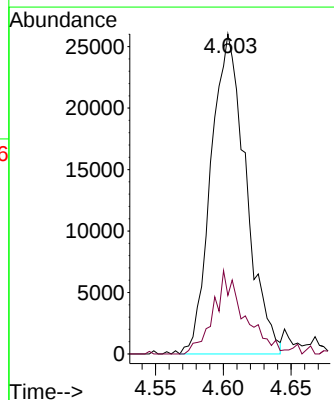
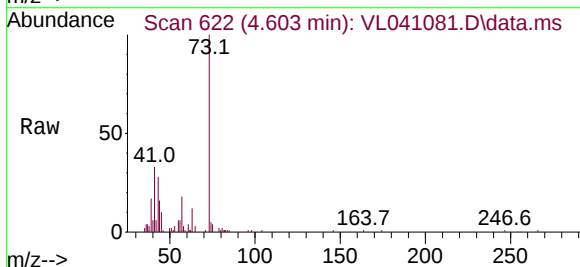
Acq: 11 Mar 2024 10:27

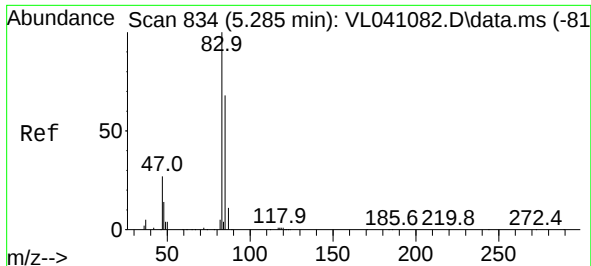
Tgt Ion: 73 Resp: 46588

Ion Ratio Lower Upper

73 100

57 24.2 18.2 27.4





#29

Chloroform

Concen: 0.559 ppbv

RT: 5.282 min Scan# 834

Delta R.T. -0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

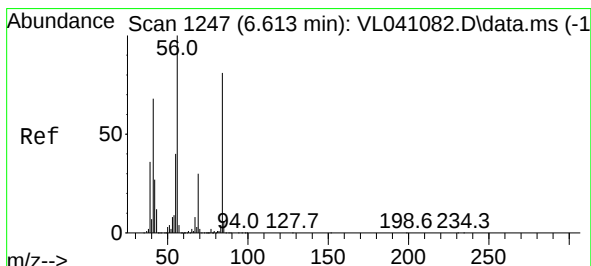
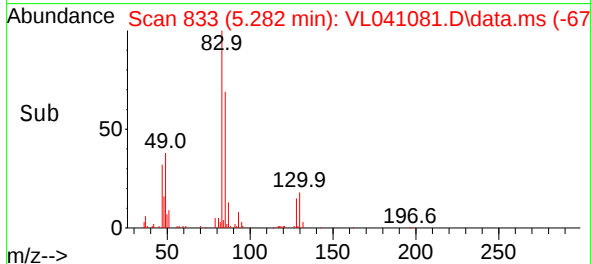
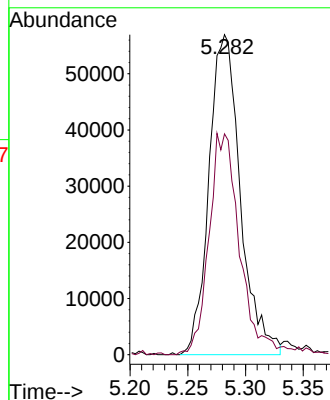
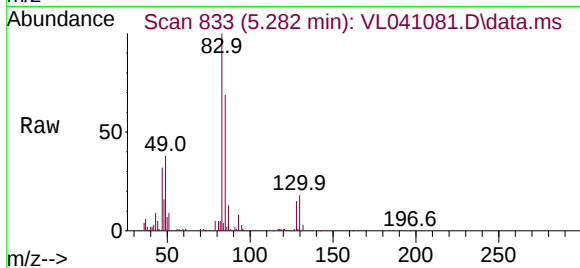
VSTDIC0.5

Tgt Ion: 83 Resp: 107682

Ion Ratio Lower Upper

83 100

85 68.2 54.6 82.0



#30

Cyclohexane

Concen: 0.269 ppbv

RT: 6.613 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

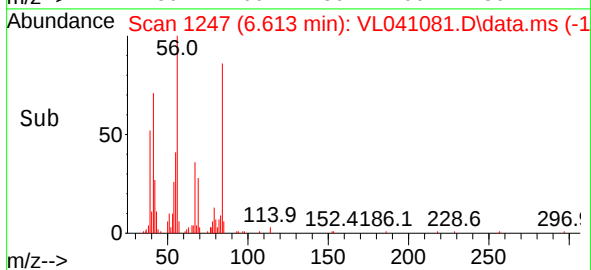
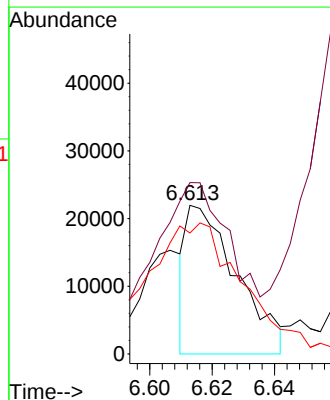
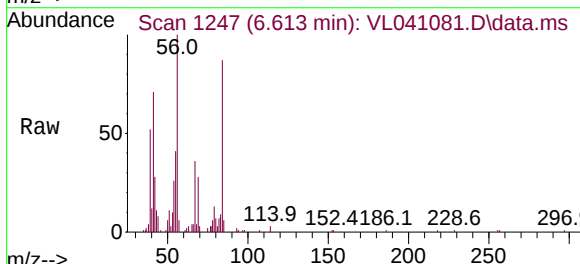
Tgt Ion: 84 Resp: 24646

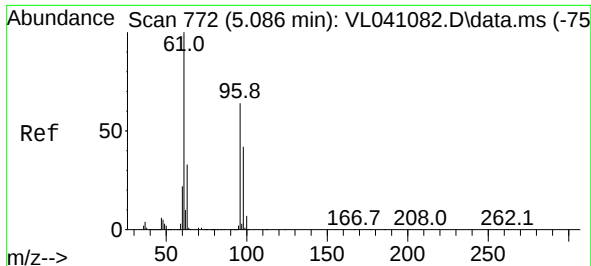
Ion Ratio Lower Upper

84 100

56 195.6 110.4 165.6#

41 176.5 70.6 105.8#





#31

cis-1,2-Dichloroethene

Concen: 0.288 ppbv

RT: 5.086 min Scan# 7

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

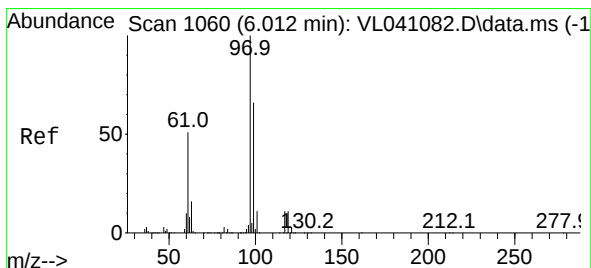
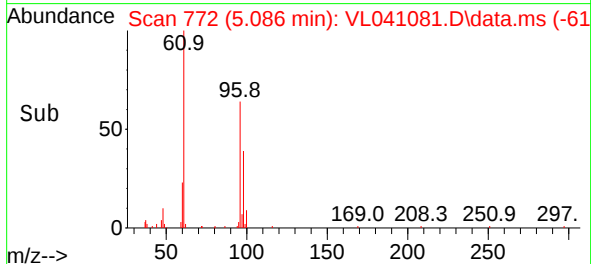
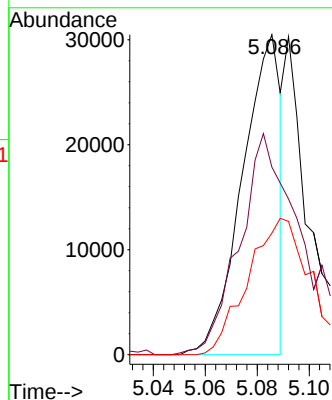
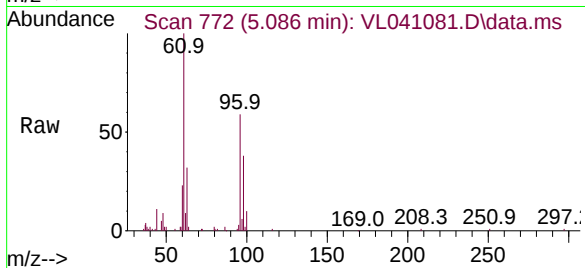
Tgt Ion: 61 Resp: 31243

Ion Ratio Lower Upper

61 100

96 58.0 51.2 76.8

98 38.0 33.4 50.0



#32

1,1,1-Trichloroethane

Concen: 0.582 ppbv

RT: 6.015 min Scan# 1061

Delta R.T. 0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

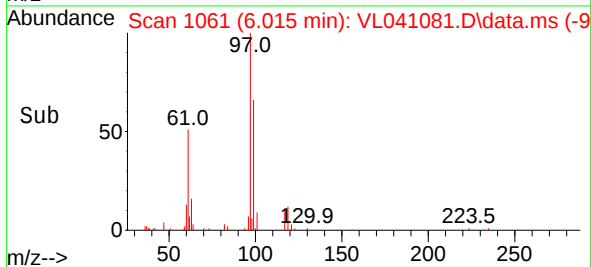
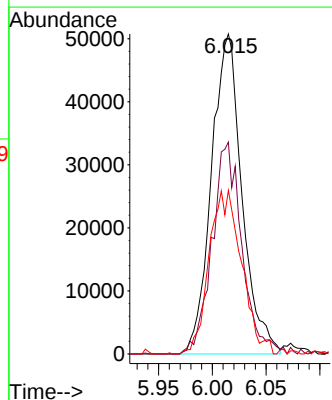
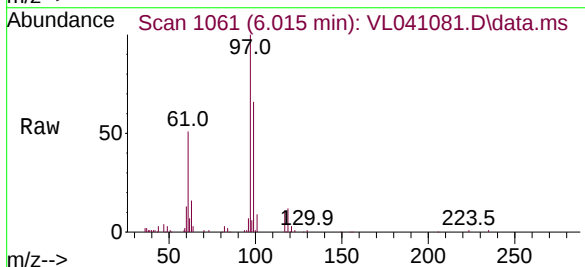
Tgt Ion: 97 Resp: 100363

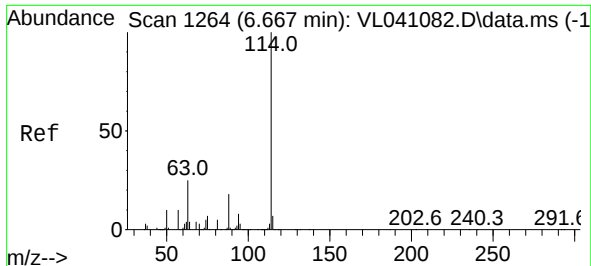
Ion Ratio Lower Upper

97 100

99 65.1 52.4 78.6

61 55.1 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

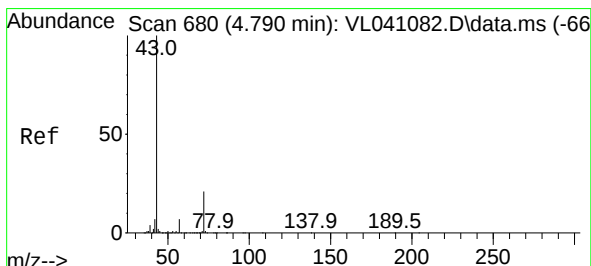
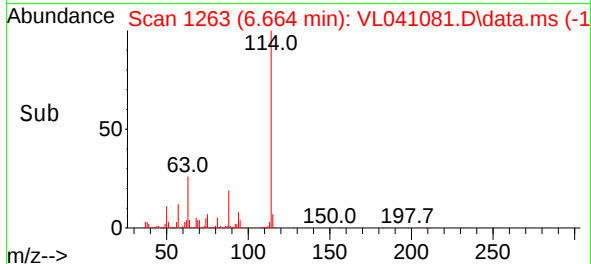
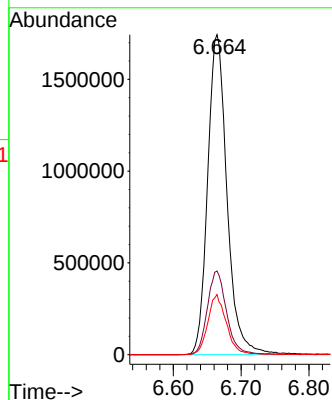
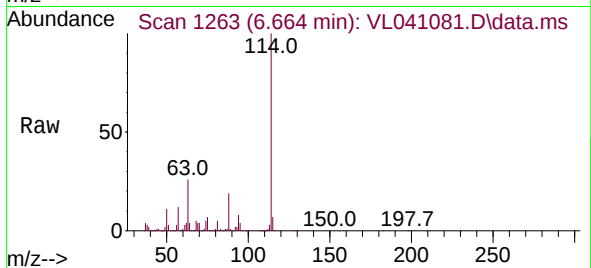
Tgt Ion:114 Resp: 3455865

Ion Ratio Lower Upper

114 100

63 26.3 21.0 31.6

88 18.1 14.6 22.0



#34

2-Butanone

Concen: 0.273 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.013 min

Lab File: VL041081.D

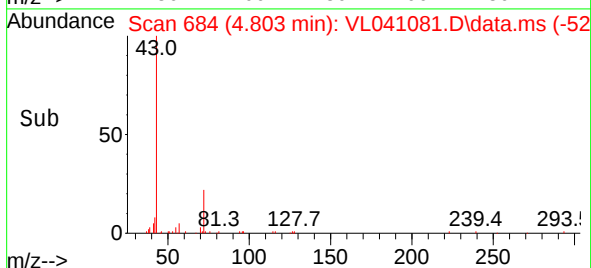
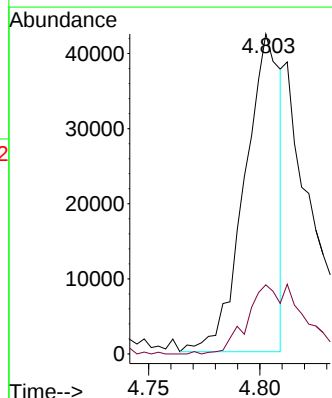
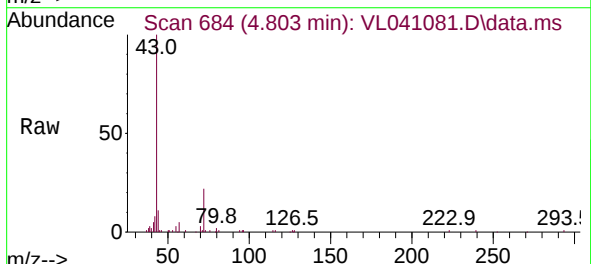
Acq: 11 Mar 2024 10:27

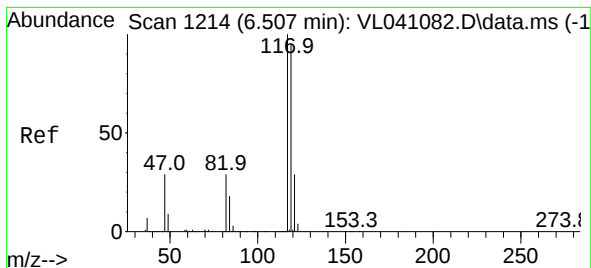
Tgt Ion: 43 Resp: 46922

Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.0#





#35

Carbon Tetrachloride

Concen: 0.504 ppbv

RT: 6.504 min Scan# 117

Delta R.T. -0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

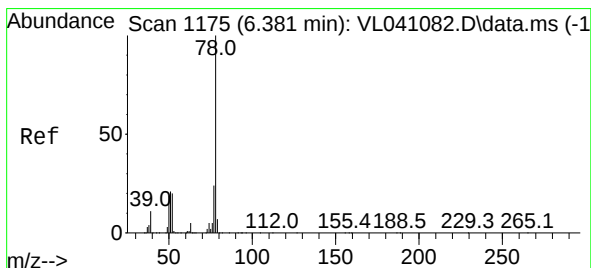
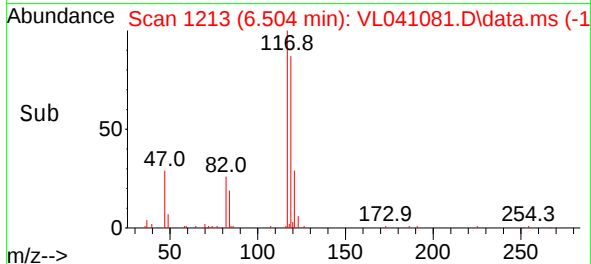
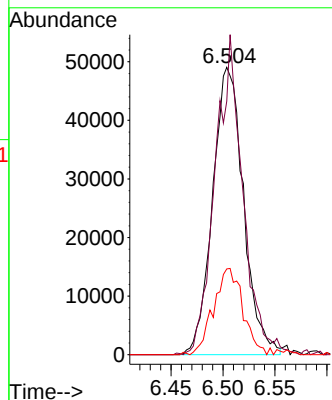
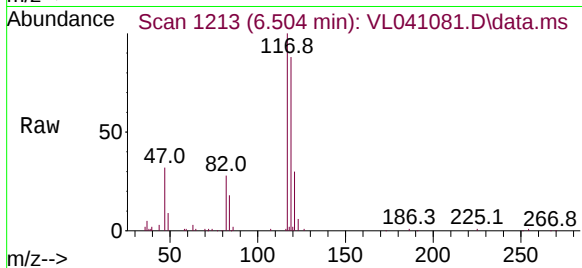
Tgt Ion:117 Resp: 101372

Ion Ratio Lower Upper

117 100

119 87.8 75.6 113.4

121 29.8 23.4 35.2



#36

Benzene

Concen: 0.457 ppbv

RT: 6.381 min Scan# 1175

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

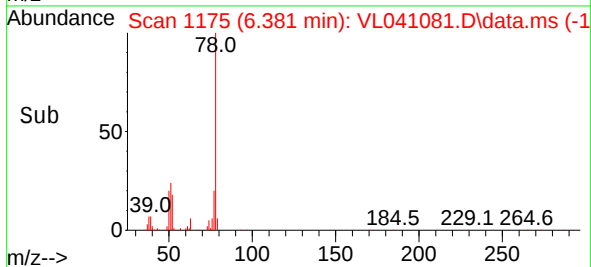
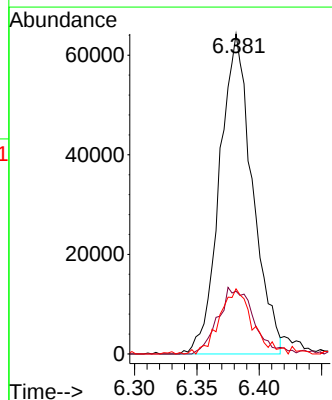
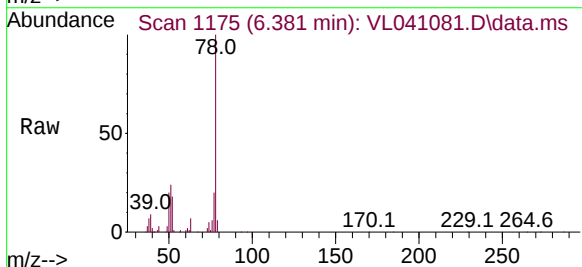
Tgt Ion: 78 Resp: 117634

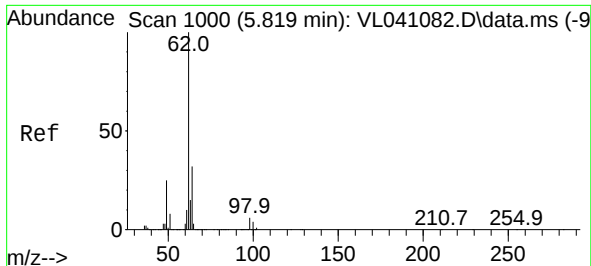
Ion Ratio Lower Upper

78 100

77 19.6 18.8 28.2

50 19.9 15.5 23.3

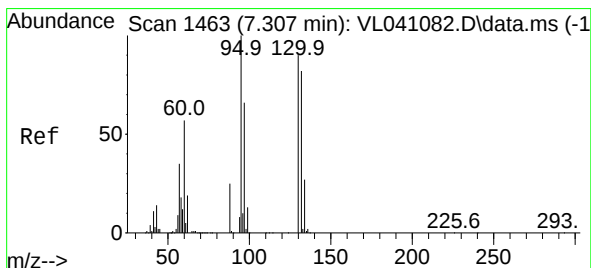
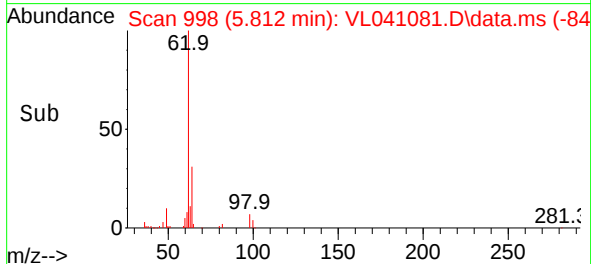
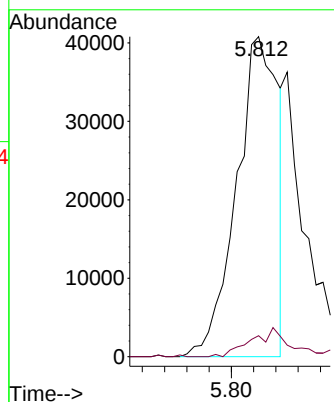
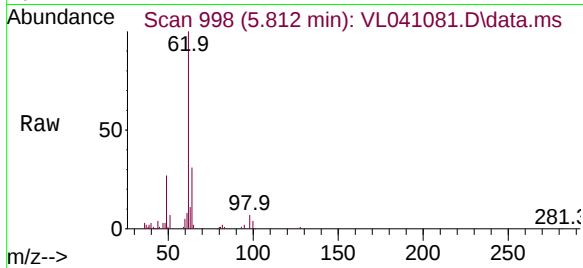




#37
1,2-Dichloroethane
Concen: 0.342 ppbv
RT: 5.812 min Scan# 998
Delta R.T. -0.006 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

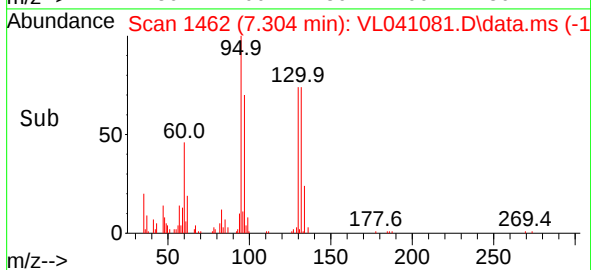
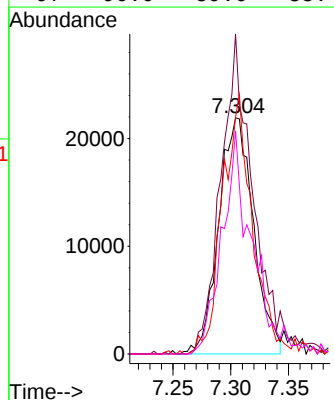
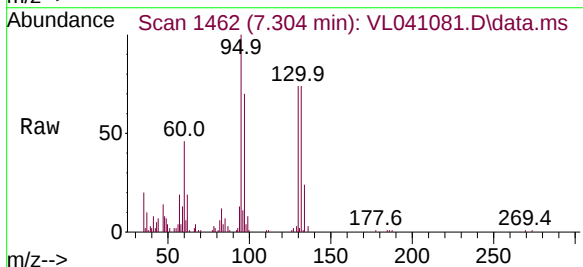
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

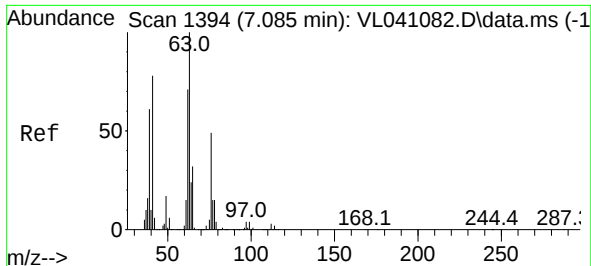
Tgt Ion: 62 Resp: 52939
Ion Ratio Lower Upper
62 100
98 0.0 4.6 6.8#



#38
Trichloroethene
Concen: 0.476 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. -0.003 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

Tgt Ion:130 Resp: 45705
Ion Ratio Lower Upper
130 100
95 139.1 88.8 133.2#
132 101.6 73.0 109.4
97 96.9 59.0 88.4#





#39

1,2-Dichloropropane

Concen: 0.177 ppbv

RT: 7.089 min Scan# 1460

Delta R.T. 0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

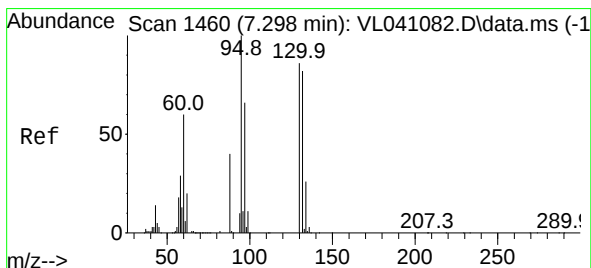
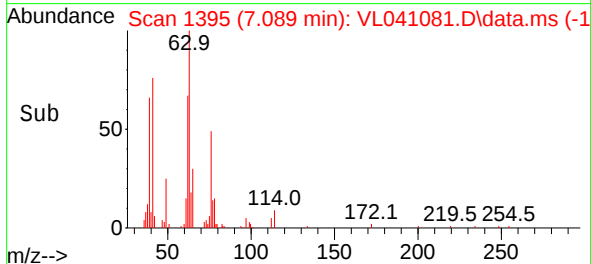
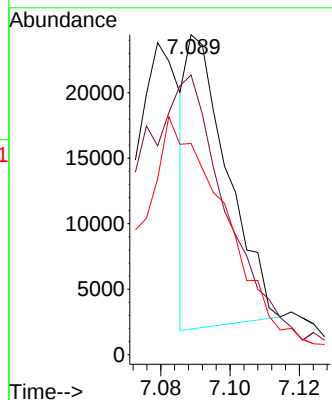
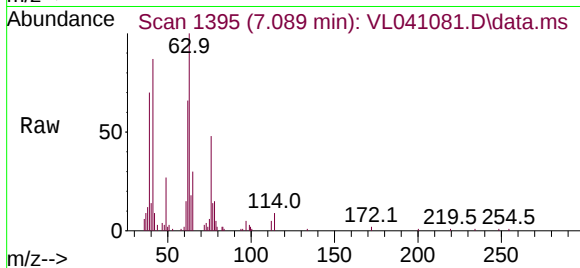
Tgt Ion: 63 Resp: 18237

Ion Ratio Lower Upper

63 100

41 85.9 62.2 93.4

62 66.1 57.0 85.4



#40

1,4-Dioxane

Concen: 0.005 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Tgt Ion: 88 Resp: 214

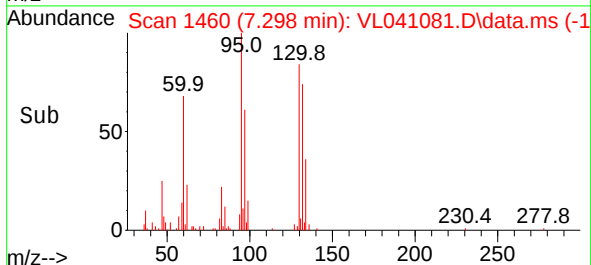
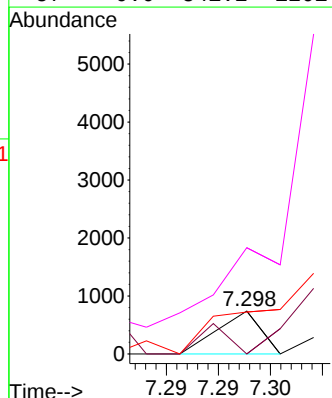
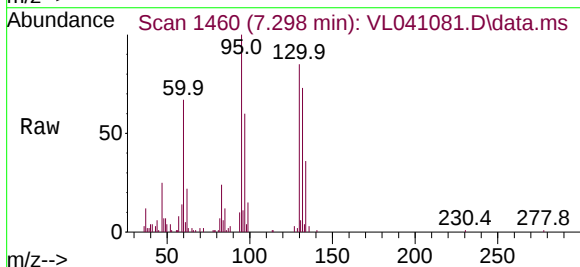
Ion Ratio Lower Upper

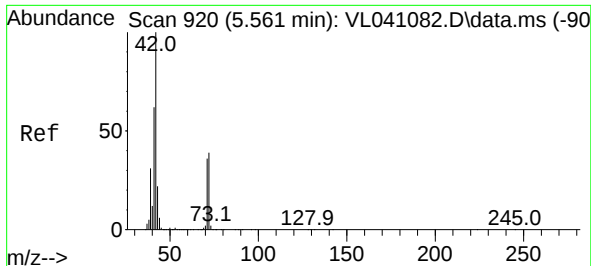
88 100

58 0.0 96.3 144.5#

43 0.0 195.7 293.5#

57 0.0 841.2 1261.8#





#41

Tetrahydrofuran

Concen: 0.390 ppbv

RT: 5.594 min Scan# 91

Delta R.T. 0.032 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

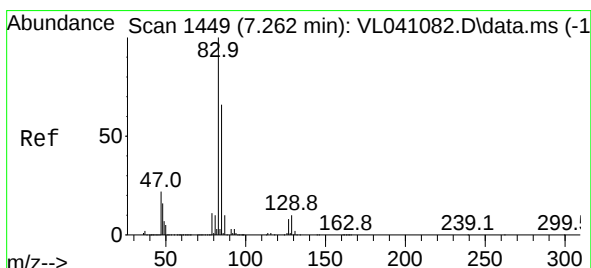
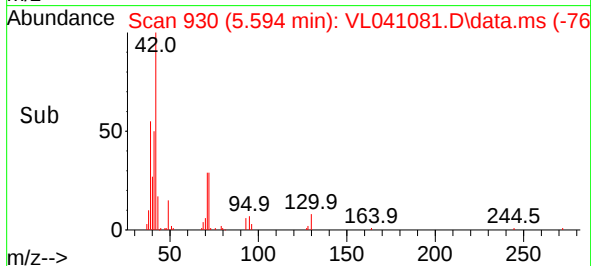
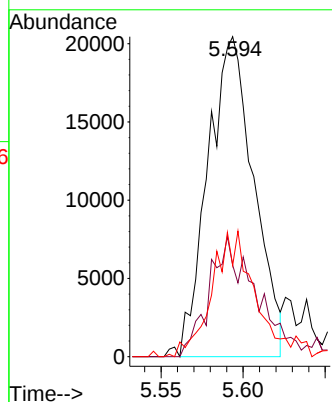
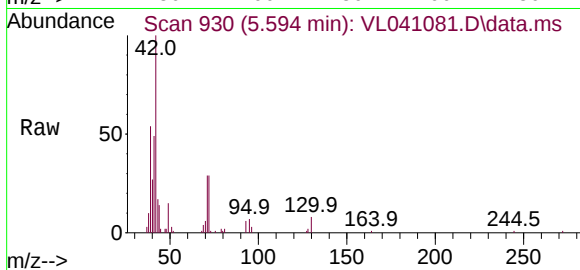
Tgt Ion: 42 Resp: 39719

Ion Ratio Lower Upper

42 100

72 41.0 30.7 46.1

71 38.3 29.6 44.4



#42

Bromodichloromethane

Concen: 0.461 ppbv

RT: 7.262 min Scan# 1449

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

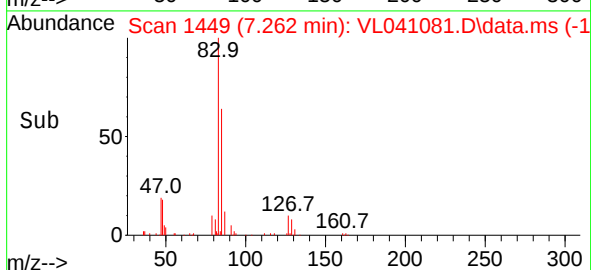
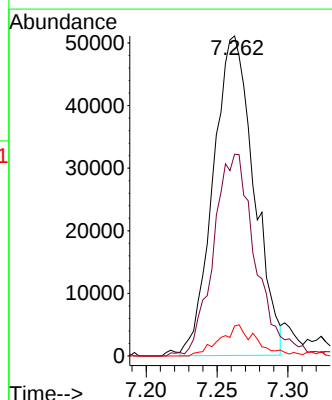
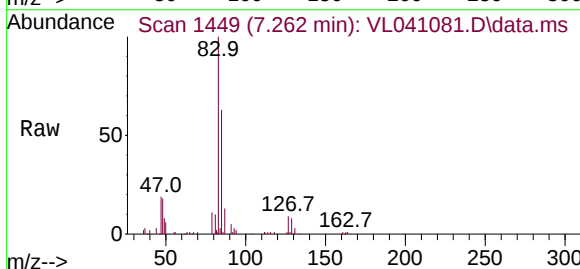
Tgt Ion: 83 Resp: 102119

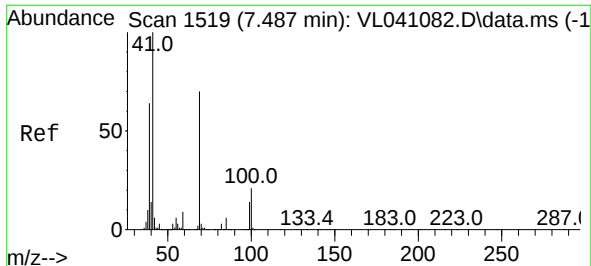
Ion Ratio Lower Upper

83 100

85 62.6 53.1 79.7

127 9.5 6.2 9.4#

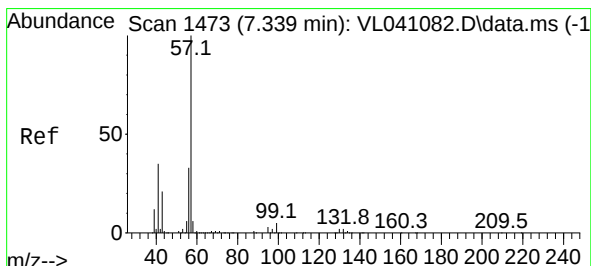
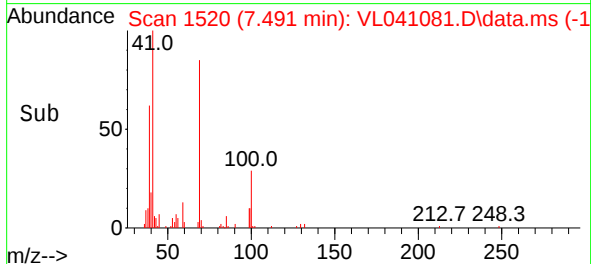
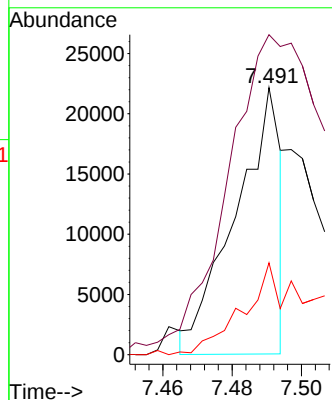
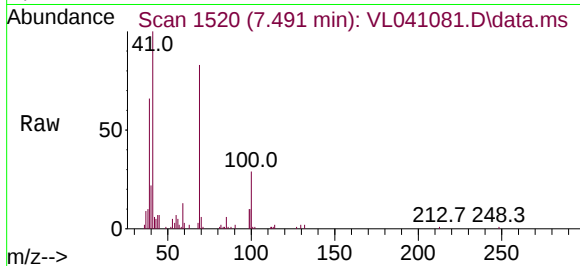




#43
Methyl Methacrylate
Concen: 0.202 ppbv
RT: 7.491 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

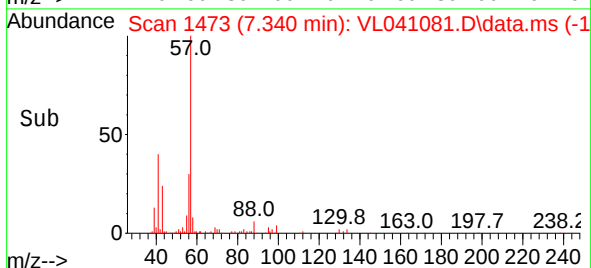
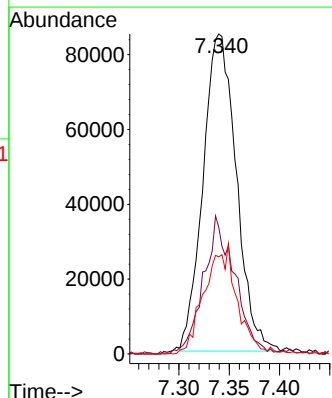
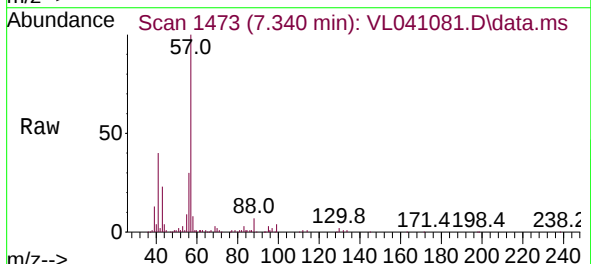
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

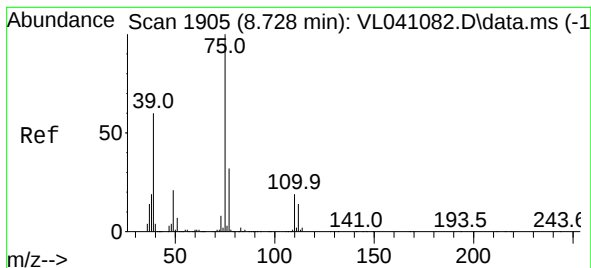
Tgt Ion: 69 Resp: 20114
Ion Ratio Lower Upper
69 100
41 300.0 118.2 177.4#
100 62.1 24.8 37.2#



#44
2,2,4-Trimethylpentane
Concen: 0.454 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

Tgt Ion: 57 Resp: 195034
Ion Ratio Lower Upper
57 100
41 41.8 28.0 42.0
56 34.0 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 0.145 ppbv

RT: 8.722 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

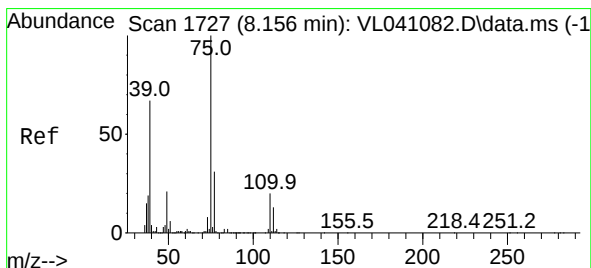
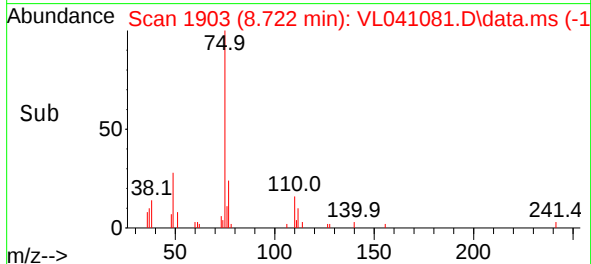
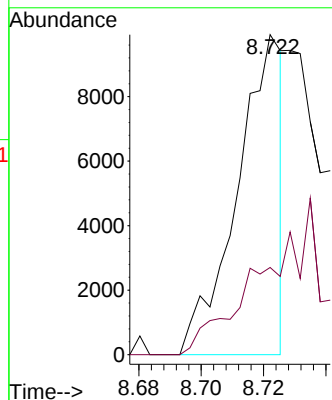
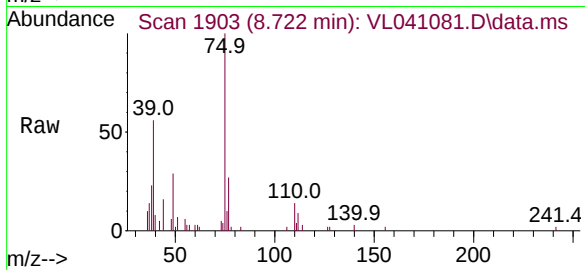
VSTDICC0.5

Tgt Ion: 75 Resp: 9995

Ion Ratio Lower Upper

75 100

77 27.3 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 0.255 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

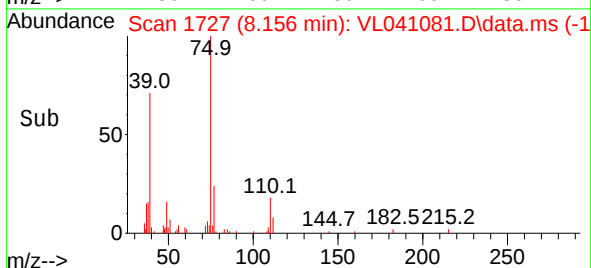
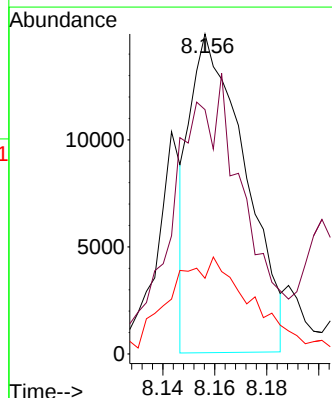
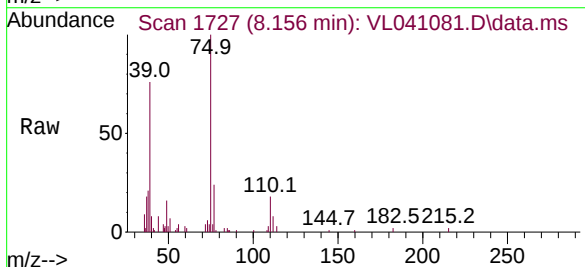
Tgt Ion: 75 Resp: 21962

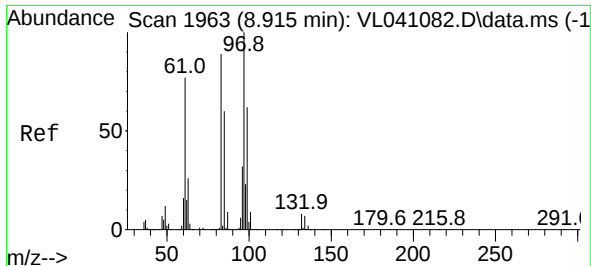
Ion Ratio Lower Upper

75 100

39 76.3 53.3 79.9

77 19.7 25.2 37.8#



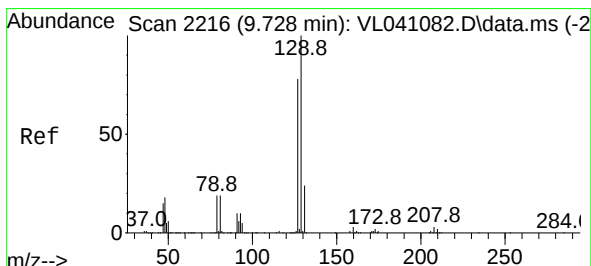
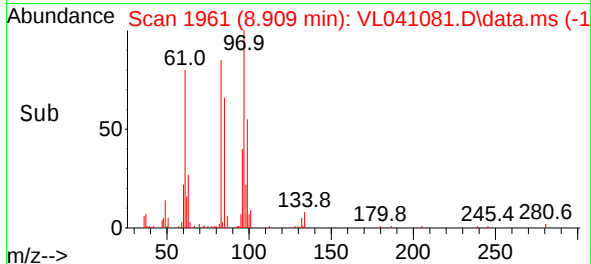
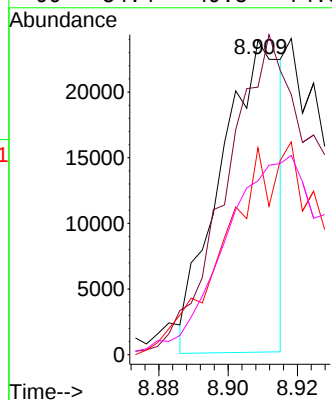
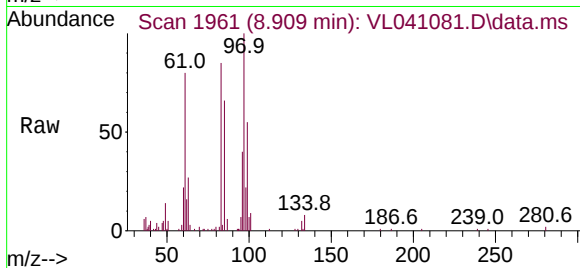


#47
1,1,2-Trichloroethane
Concen: 0.260 ppbv
RT: 8.909 min Scan# 1961
Delta R.T. -0.006 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 97 Resp: 28584

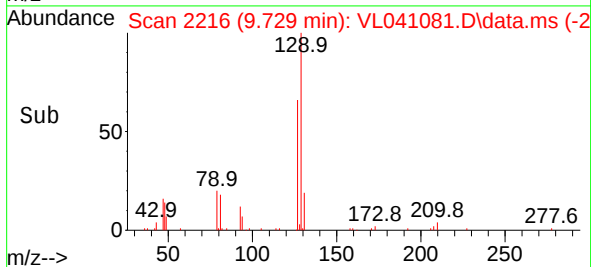
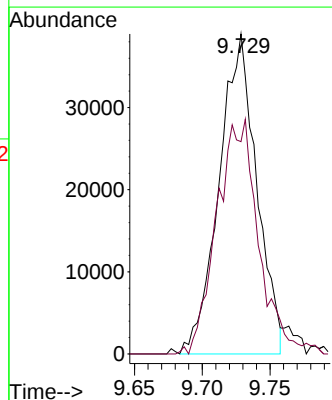
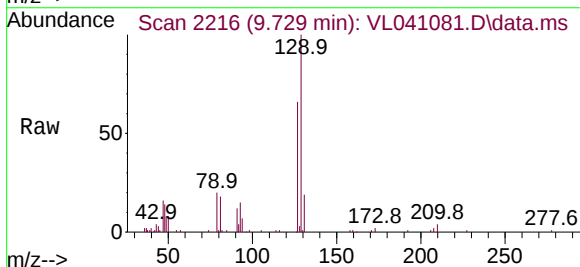
Ion	Ratio	Lower	Upper
97	100		
83	81.5	71.1	106.7
85	58.8	48.2	72.2
99	54.4	49.5	74.3

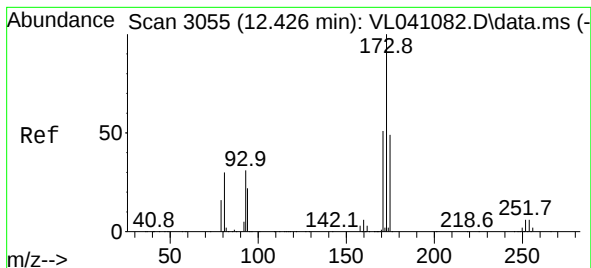


#48
Dibromochloromethane
Concen: 0.418 ppbv
RT: 9.729 min Scan# 2216
Delta R.T. 0.000 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

Tgt Ion: 129 Resp: 74951

Ion	Ratio	Lower	Upper
129	100		
127	82.1	39.6	118.8





#49

Bromoform

Concen: 0.405 ppbv

RT: 12.423 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

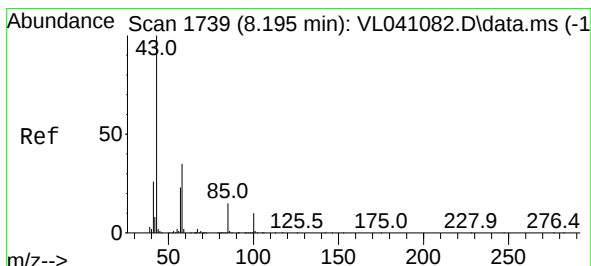
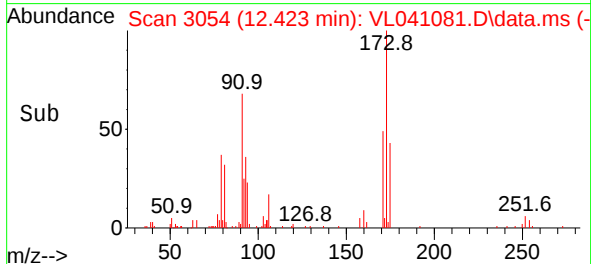
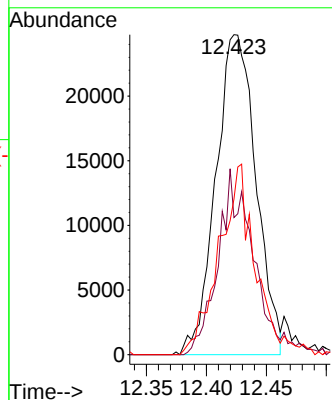
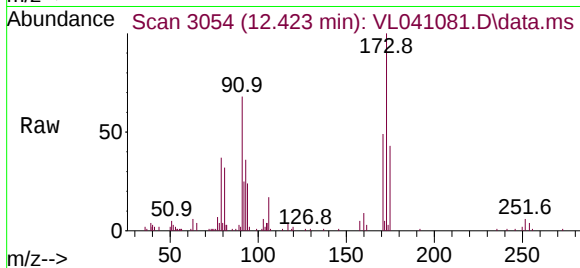
Tgt Ion:173 Resp: 57613

Ion Ratio Lower Upper

173 100

175 51.6 39.0 58.6

171 53.9 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 0.178 ppbv

RT: 8.211 min Scan# 1744

Delta R.T. 0.016 min

Lab File: VL041081.D

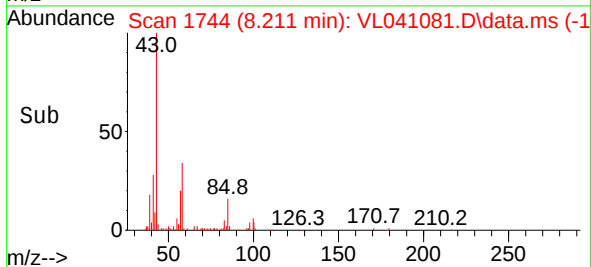
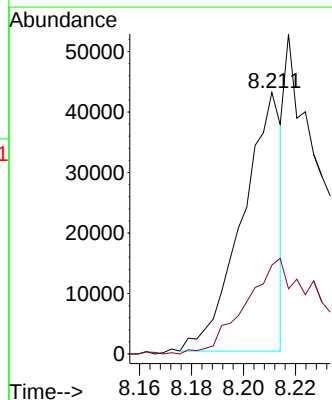
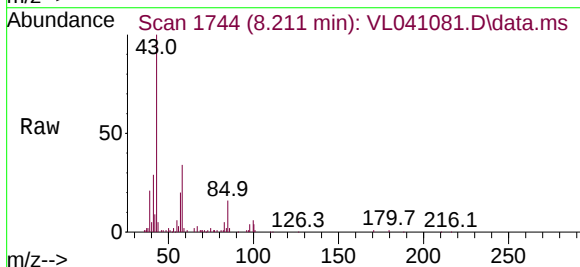
Acq: 11 Mar 2024 10:27

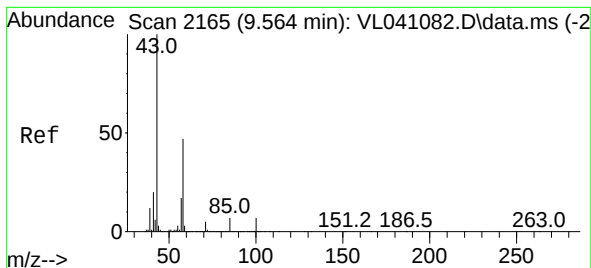
Tgt Ion: 43 Resp: 44852

Ion Ratio Lower Upper

43 100

58 0.0 28.3 42.5#





#51

2-Hexanone

Concen: 0.312 ppbv

RT: 9.587 min Scan# 2165

Delta R.T. 0.023 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

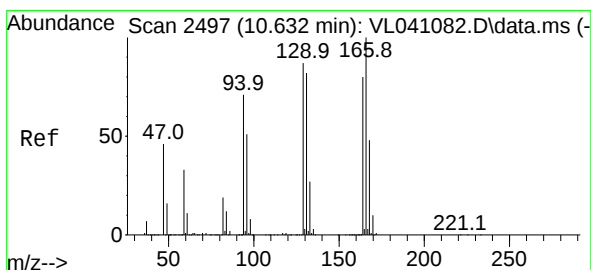
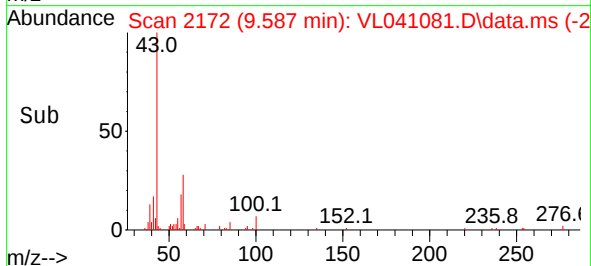
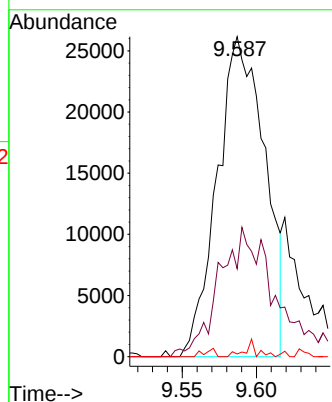
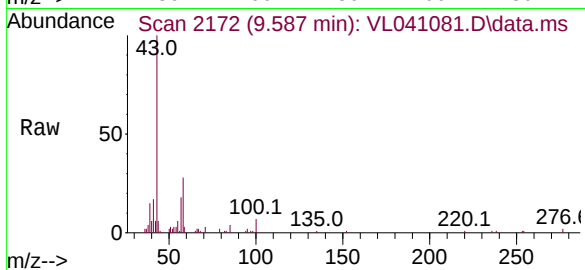
Tgt Ion: 43 Resp: 58391

Ion Ratio Lower Upper

43 100

58 49.8 37.4 56.2

98 1.5 0.4 0.6#



#52

Tetrachloroethene

Concen: 0.355 ppbv

RT: 10.629 min Scan# 2496

Delta R.T. -0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Tgt Ion: 164 Resp: 28365

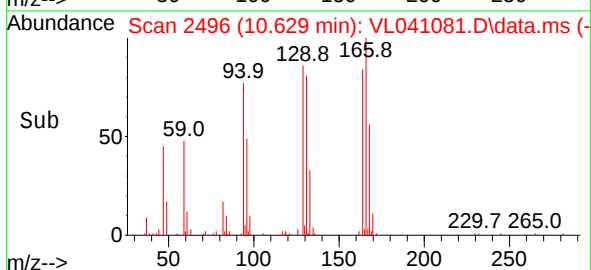
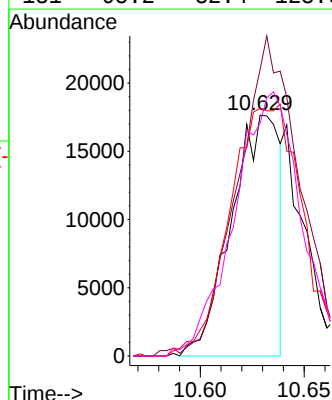
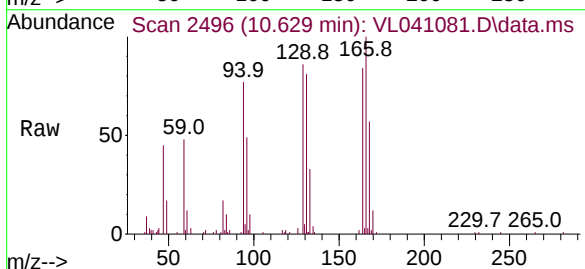
Ion Ratio Lower Upper

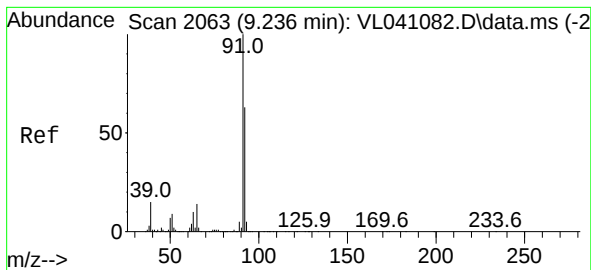
164 100

166 117.7 100.6 150.8

129 99.6 87.2 130.8

131 95.2 82.4 123.6





#53

Toluene

Concen: 0.385 ppbv

RT: 9.240 min Scan# 2063

Delta R.T. 0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

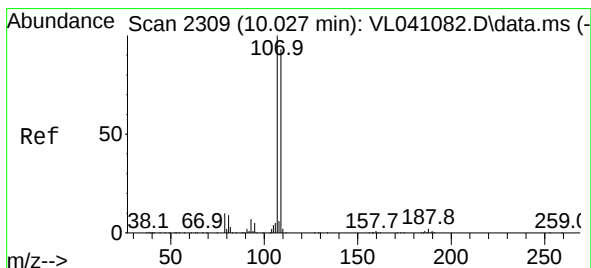
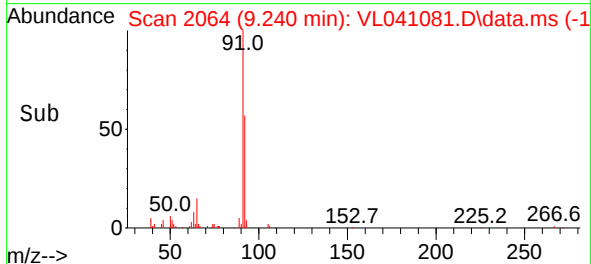
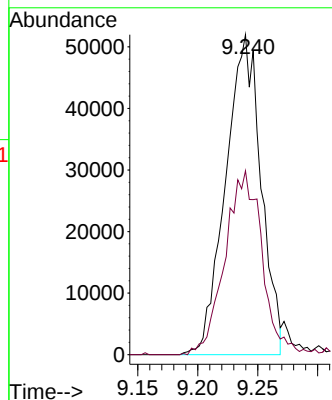
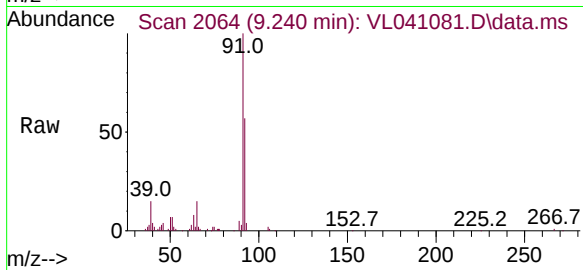
VSTDICC0.5

Tgt Ion: 91 Resp: 106725

Ion Ratio Lower Upper

91 100

92 60.7 48.9 73.3



#54

1,2-Dibromoethane

Concen: 0.458 ppbv

RT: 10.028 min Scan# 2309

Delta R.T. 0.000 min

Lab File: VL041081.D

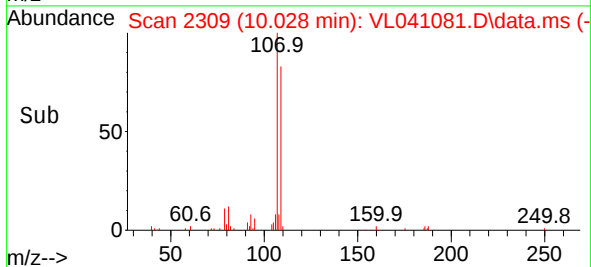
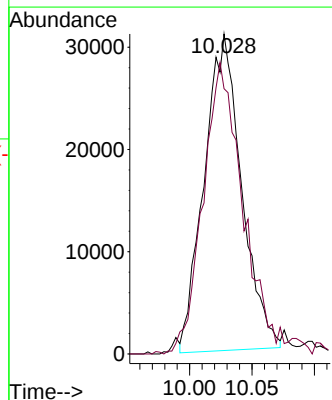
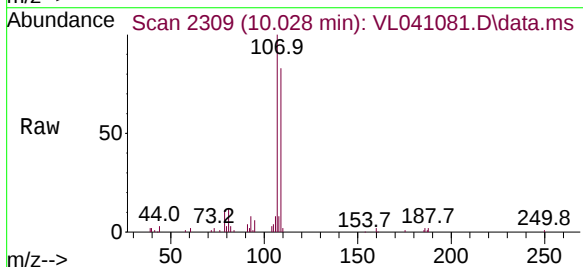
Acq: 11 Mar 2024 10:27

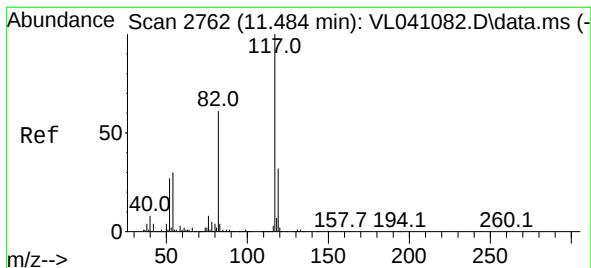
Tgt Ion: 107 Resp: 64555

Ion Ratio Lower Upper

107 100

109 78.5 74.4 111.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 2762

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

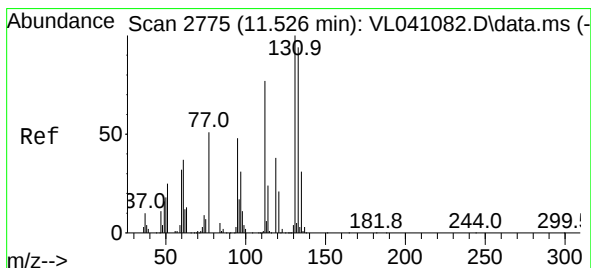
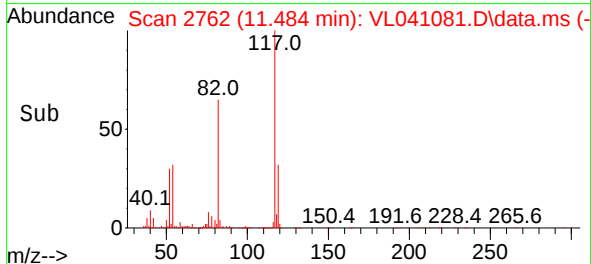
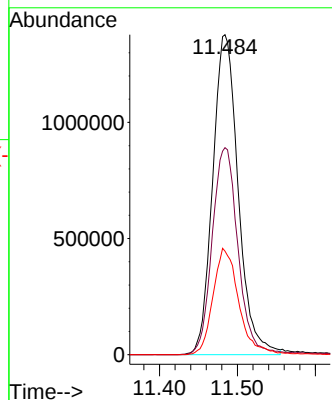
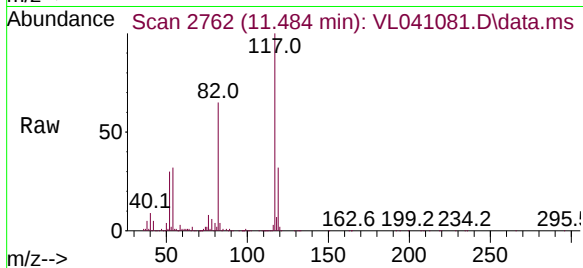
Tgt Ion:117 Resp: 3129832

Ion Ratio Lower Upper

117 100

82 66.5 51.4 77.2

119 33.9 23.7 35.5



#56

1,1,1,2-Tetrachloroethane

Concen: 0.217 ppbv

RT: 11.529 min Scan# 2776

Delta R.T. 0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

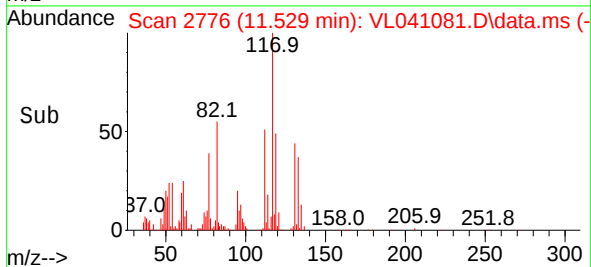
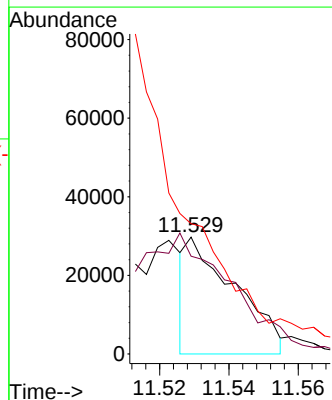
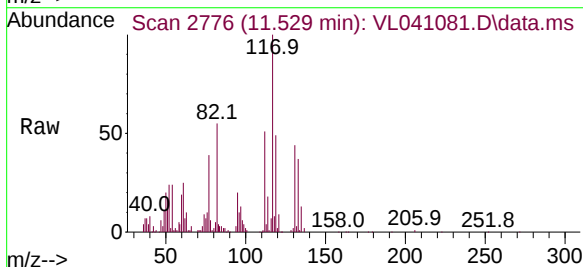
Tgt Ion:131 Resp: 29062

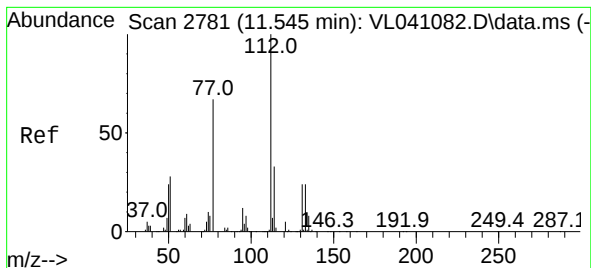
Ion Ratio Lower Upper

131 100

133 228.6 76.1 114.1#

119 0.0 51.1 76.7#

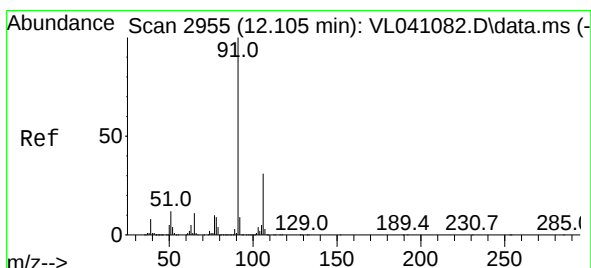
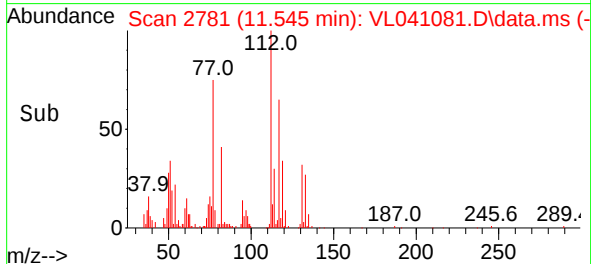
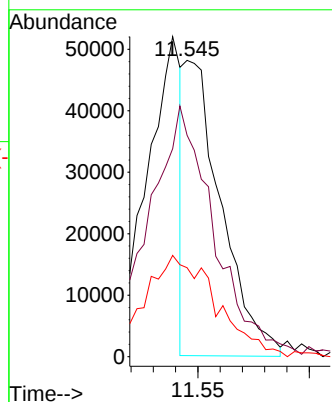
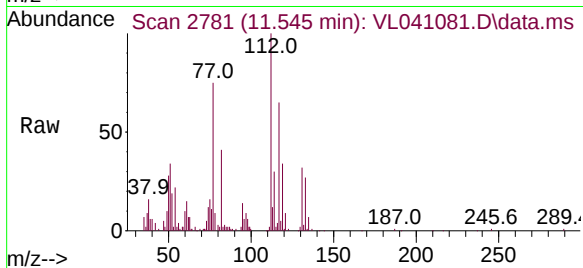




#57
Chlorobenzene
Concen: 0.246 ppbv
RT: 11.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

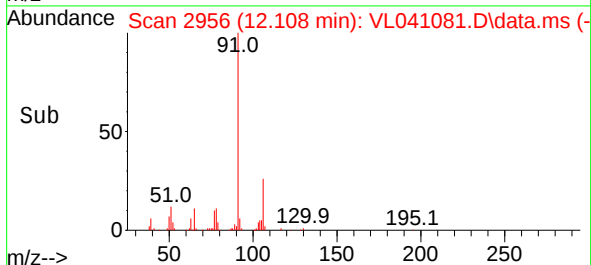
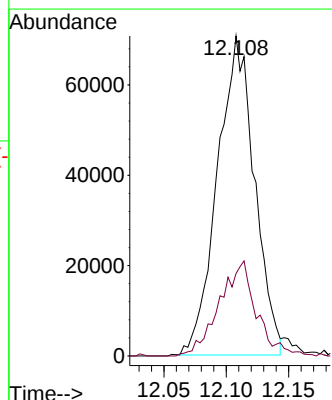
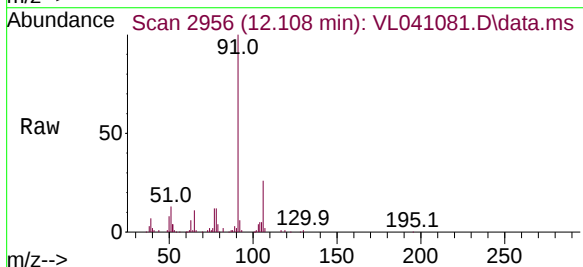
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

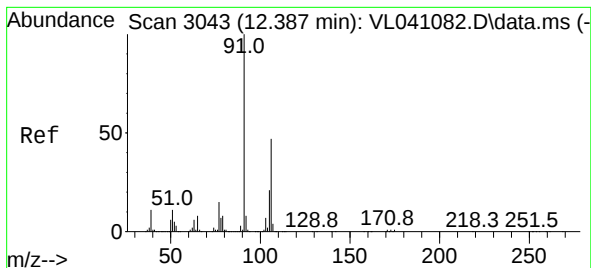
Tgt Ion:112 Resp: 55107
Ion Ratio Lower Upper
112 100
77 72.7 54.6 81.8
114 29.2 29.4 36.0#



#58
Ethyl Benzene
Concen: 0.399 ppbv
RT: 12.108 min Scan# 2956
Delta R.T. 0.003 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

Tgt Ion: 91 Resp: 146325
Ion Ratio Lower Upper
91 100
106 25.3 24.6 36.8





#59

m/p-Xylene

Concen: 0.421 ppbv

RT: 12.388 min Scan# 3043

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

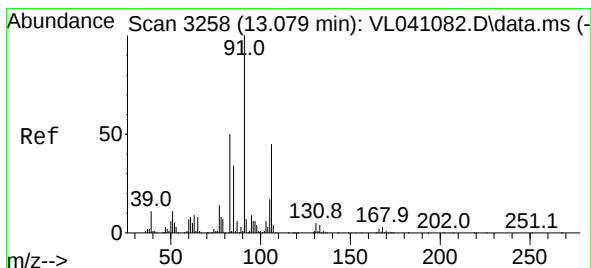
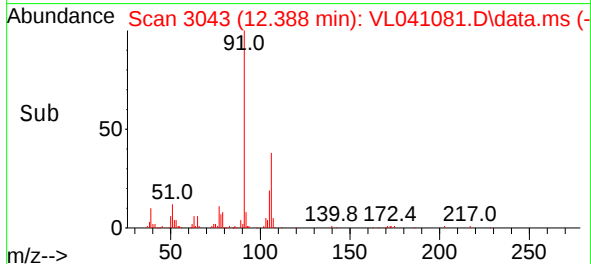
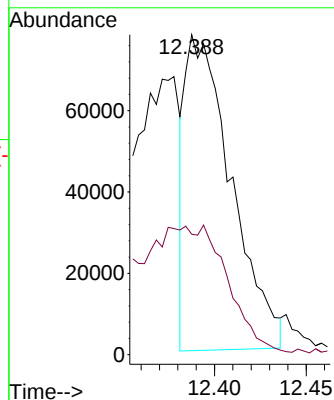
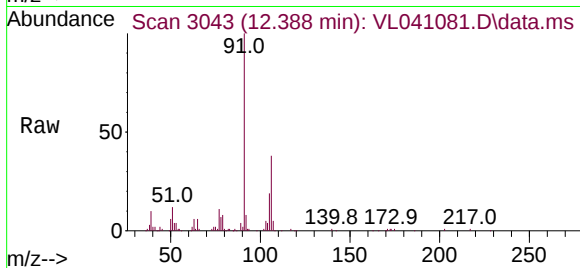
VSTDIC0.5

Tgt Ion: 91 Resp: 135422

Ion Ratio Lower Upper

91 100

106 86.7 35.4 53.2#



#60

o-Xylene

Concen: 0.423 ppbv

RT: 13.076 min Scan# 3257

Delta R.T. -0.003 min

Lab File: VL041081.D

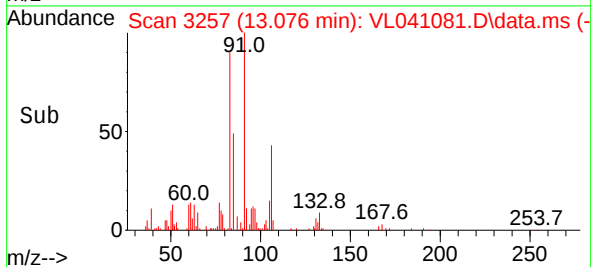
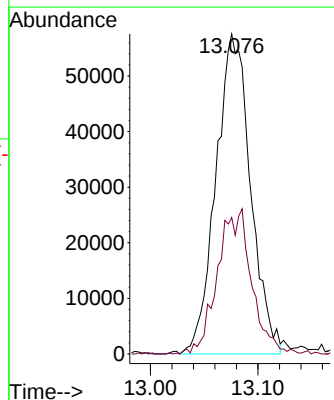
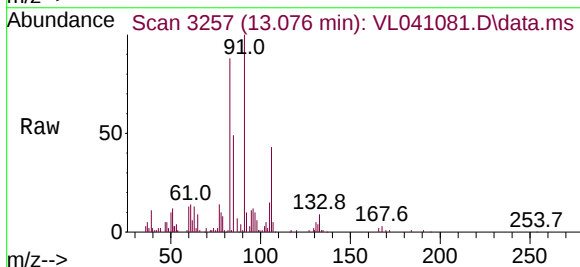
Acq: 11 Mar 2024 10:27

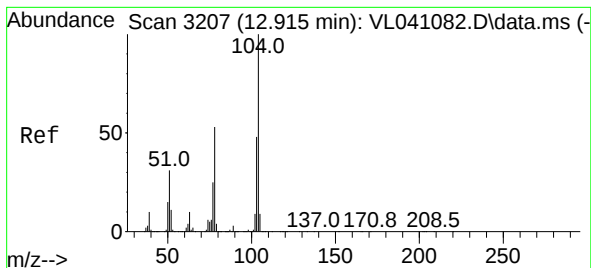
Tgt Ion: 91 Resp: 128985

Ion Ratio Lower Upper

91 100

106 44.7 22.4 67.3





#61

Styrene

Concen: 0.198 ppbv

RT: 12.918 min Scan# 3208

Delta R.T. 0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

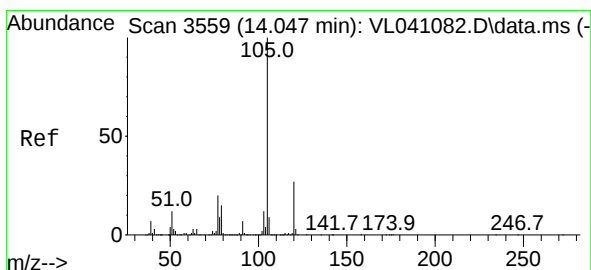
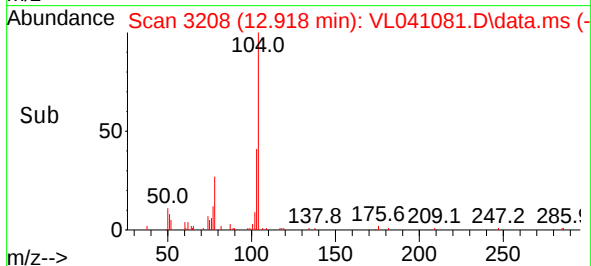
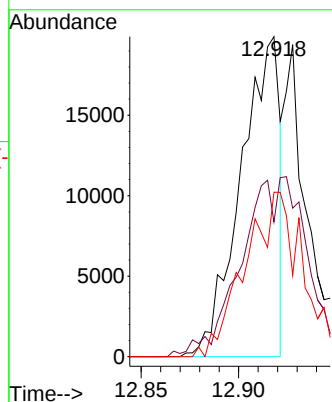
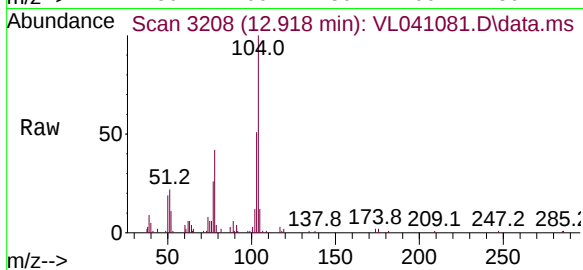
Tgt Ion:104 Resp: 27508

Ion Ratio Lower Upper

104 100

78 0.0 42.6 64.0#

103 79.0 37.3 55.9#



#62

Isopropylbenzene

Concen: 0.470 ppbv

RT: 14.047 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL041081.D

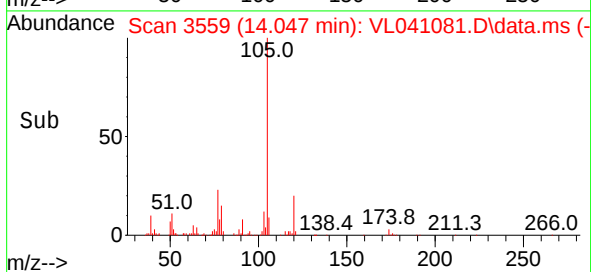
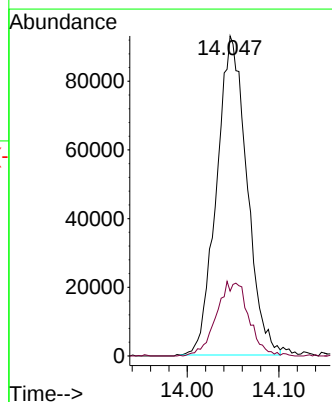
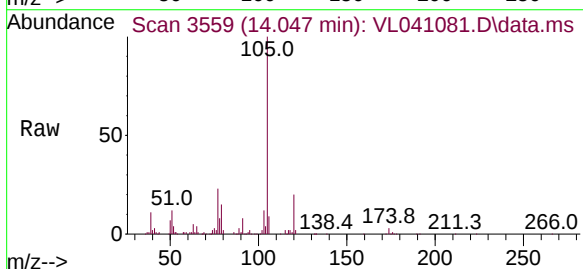
Acq: 11 Mar 2024 10:27

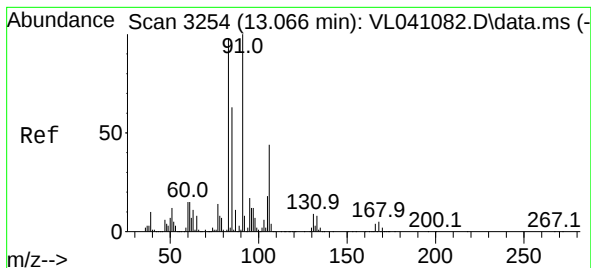
Tgt Ion:105 Resp: 213526

Ion Ratio Lower Upper

105 100

120 24.9 20.5 30.7

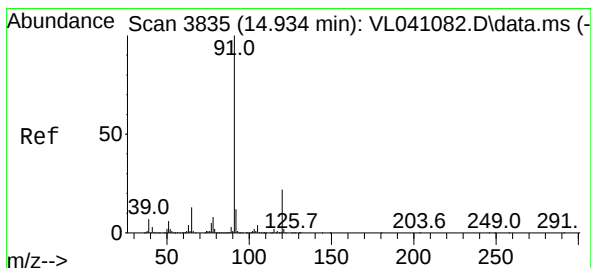
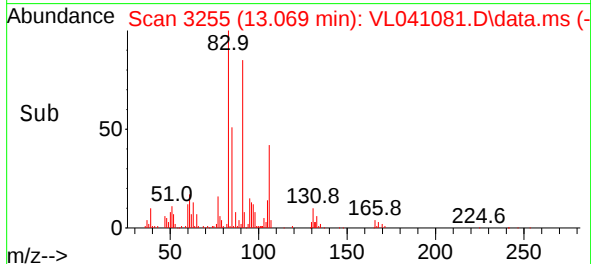
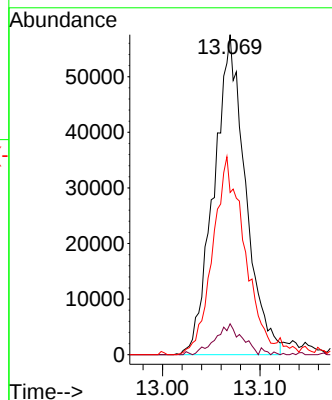
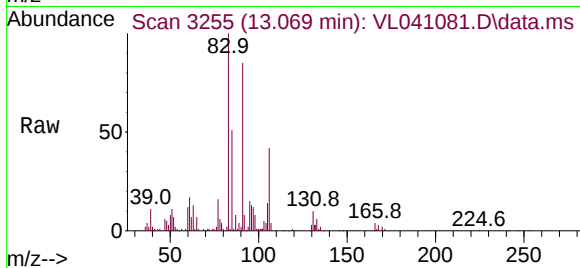




#63
1,1,2,2-Tetrachloroethane
Concen: 0.558 ppbv
RT: 13.069 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

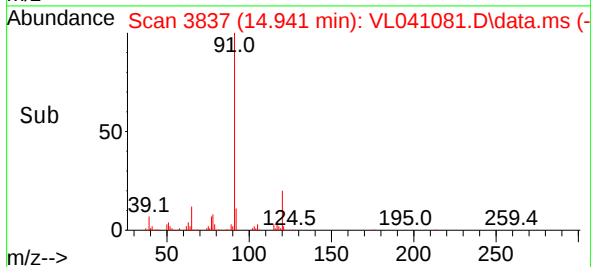
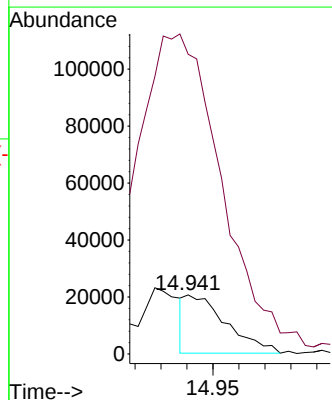
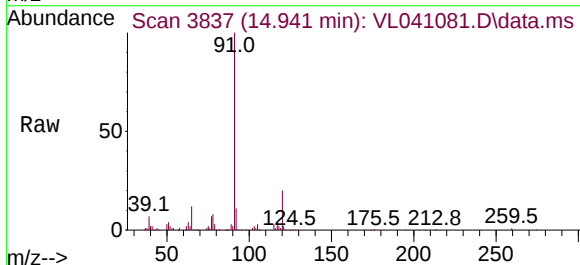
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

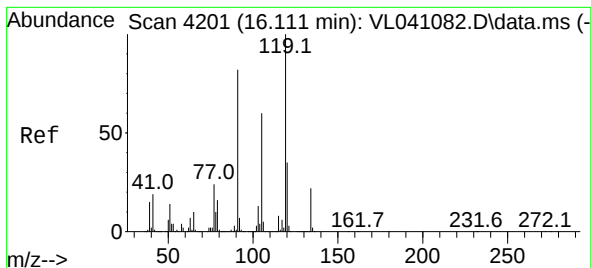
Tgt Ion: 83 Resp: 130079
Ion Ratio Lower Upper
83 100
131 8.7 4.7 14.0
85 65.4 32.7 98.1



#64
n-propylbenzene
Concen: 0.196 ppbv
RT: 14.941 min Scan# 3837
Delta R.T. 0.006 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

Tgt Ion:120 Resp: 22410
Ion Ratio Lower Upper
120 100
91 1255.1 387.5 581.3#





#65

tert-Butylbenzene

Concen: 0.257 ppbv

RT: 16.111 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

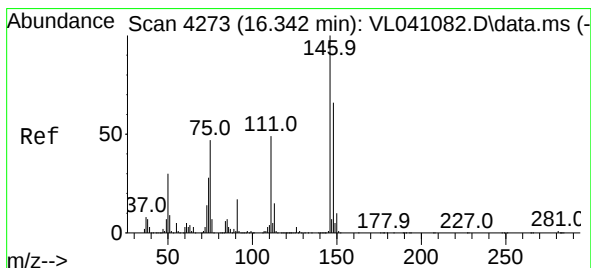
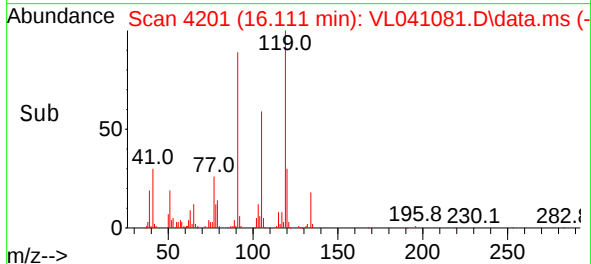
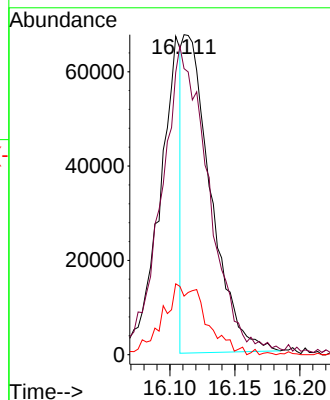
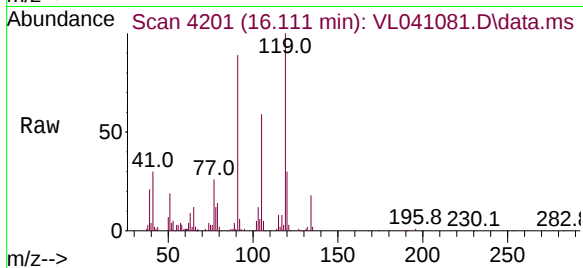
Tgt Ion:119 Resp: 101082

Ion Ratio Lower Upper

119 100

91 166.6 67.8 101.8#

134 0.0 16.2 24.2#



#66

Benzyl Chloride

Concen: 0.091 ppbv

RT: 16.349 min Scan# 4275

Delta R.T. 0.006 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

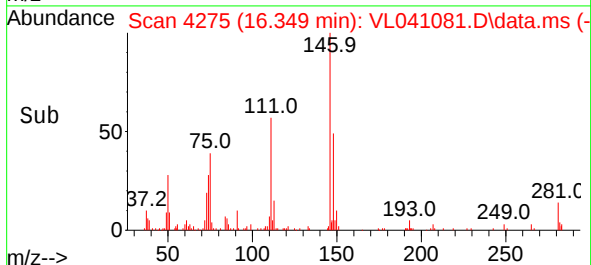
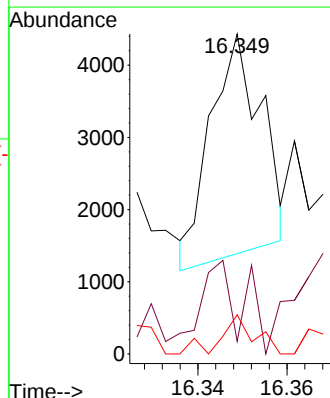
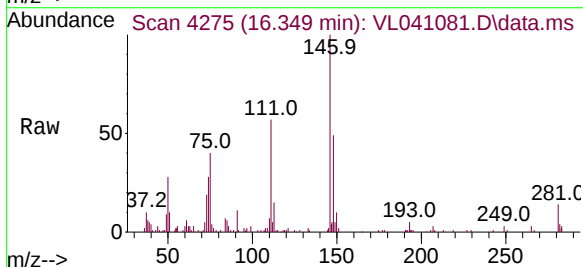
Tgt Ion: 91 Resp: 2418

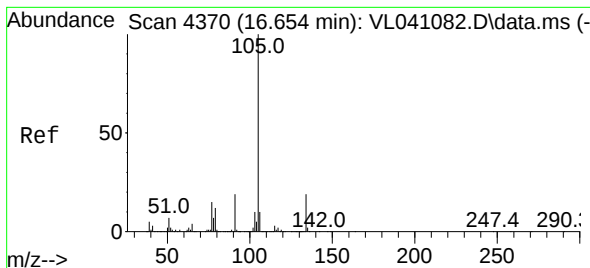
Ion Ratio Lower Upper

91 100

126 44.3 14.1 21.1#

128 16.8 4.6 7.0#





#67

sec-Butylbenzene

Concen: 0.460 ppbv

RT: 16.654 min Scan# 4370

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

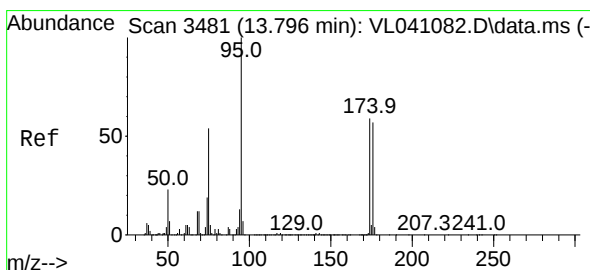
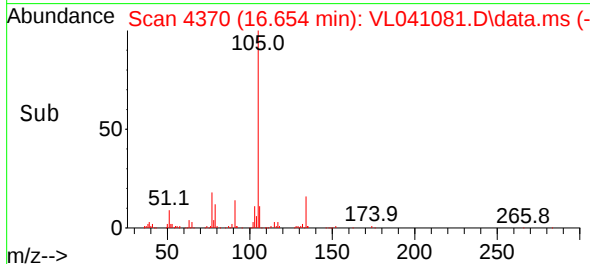
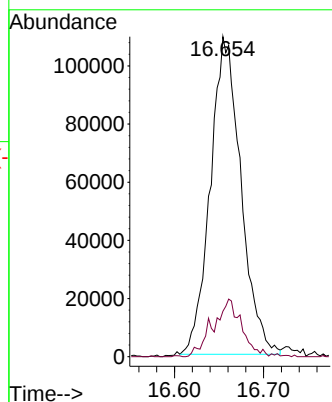
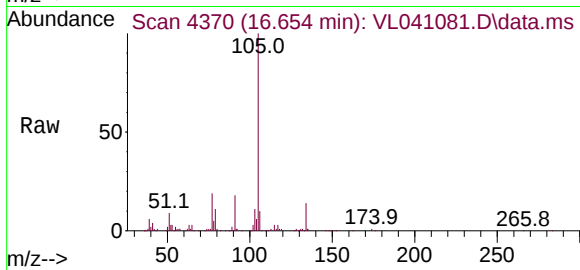
VSTDIC0.5

Tgt Ion:105 Resp: 260908

Ion Ratio Lower Upper

105 100

134 16.9 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.240 ppbv

RT: 13.796 min Scan# 3481

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

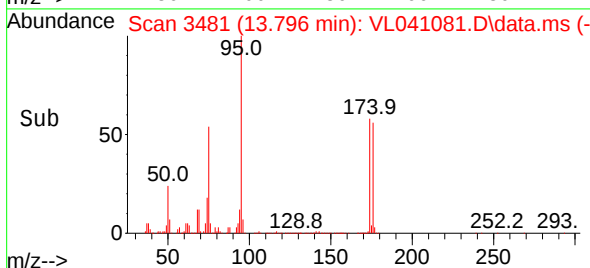
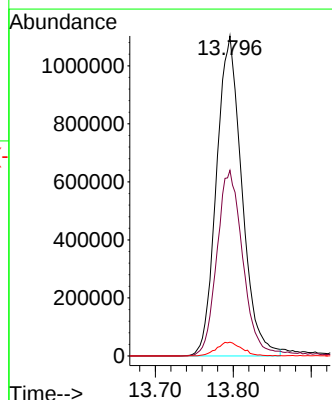
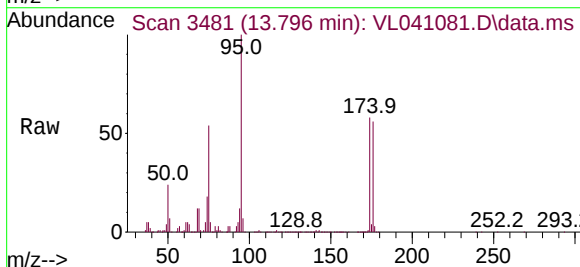
Tgt Ion: 95 Resp: 2505893

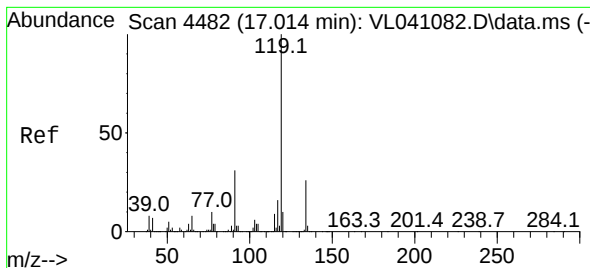
Ion Ratio Lower Upper

95 100

174 60.2 47.8 71.8

175 4.4 3.5 5.3





#69

p-Isopropyltoluene

Concen: 0.197 ppbv

RT: 17.011 min Scan# 4482

Delta R.T. -0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

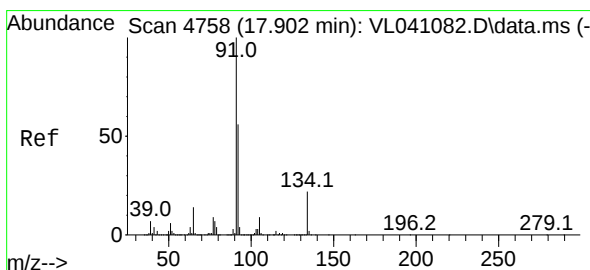
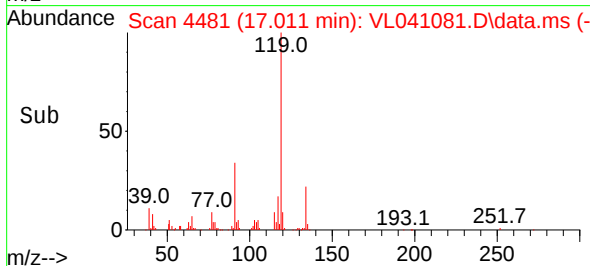
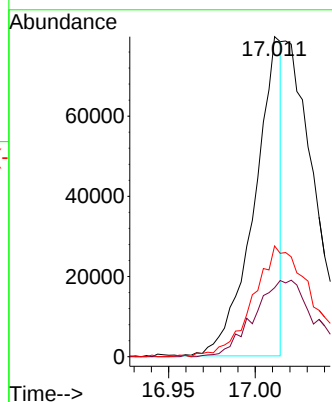
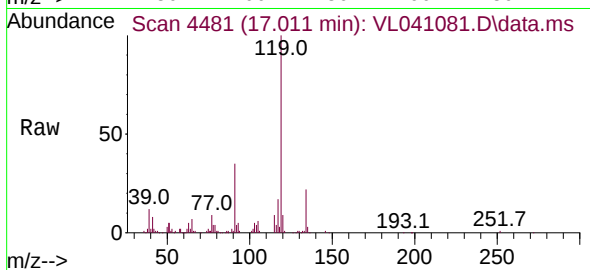
Tgt Ion:119 Resp: 87310

Ion Ratio Lower Upper

119 100

134 0.0 20.6 30.8#

91 78.2 24.7 37.1#



#70

n-Butylbenzene

Concen: 0.204 ppbv

RT: 17.905 min Scan# 4759

Delta R.T. 0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

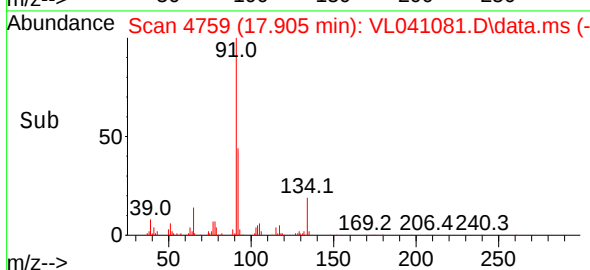
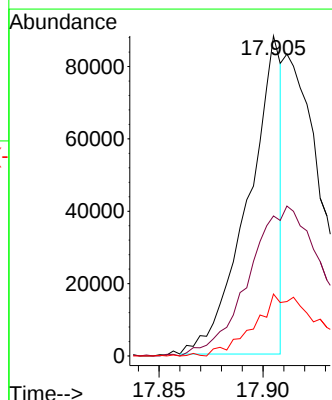
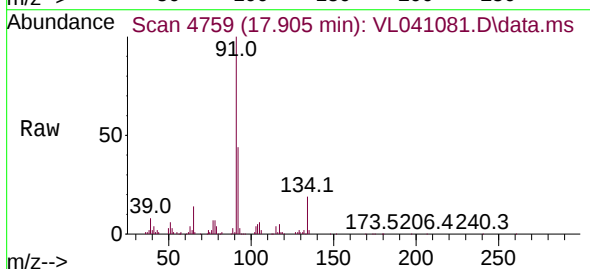
Tgt Ion: 91 Resp: 97696

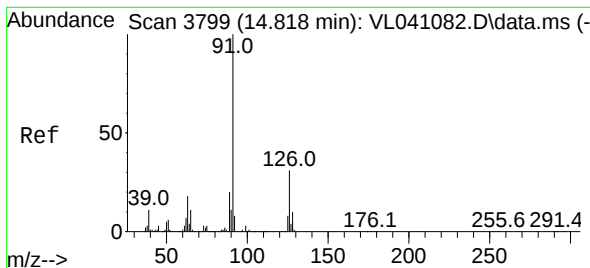
Ion Ratio Lower Upper

91 100

92 0.0 43.4 65.2#

134 40.7 17.4 26.0#

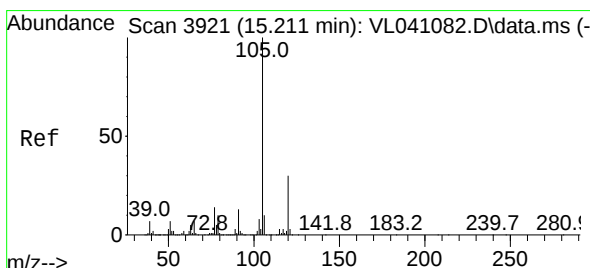
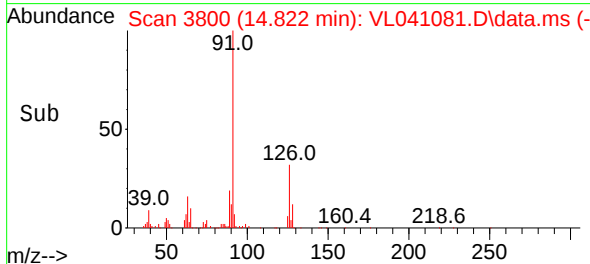
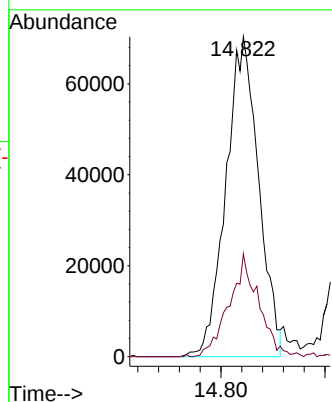
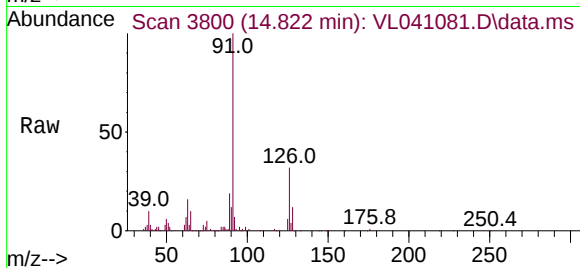




#71
2-Chlorotoluene
Concen: 0.443 ppbv
RT: 14.822 min Scan# 3799
Delta R.T. 0.003 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

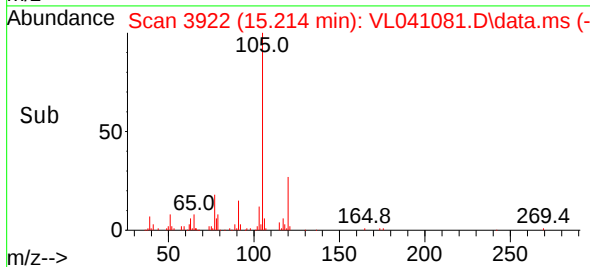
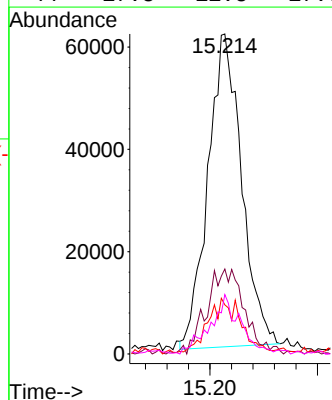
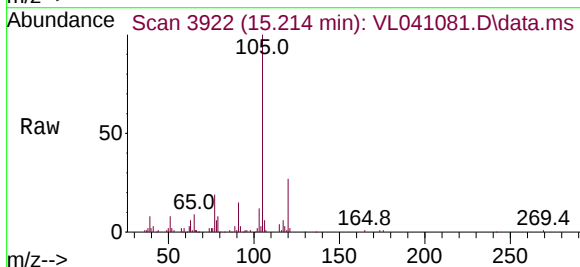
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

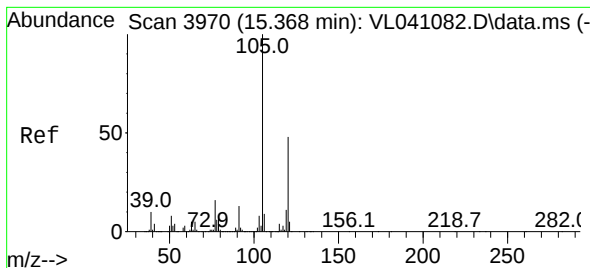
Tgt Ion: 91 Resp: 153830
Ion Ratio Lower Upper
91 100
126 29.5 12.2 48.8



#72
4-Ethyltoluene
Concen: 0.395 ppbv
RT: 15.214 min Scan# 3922
Delta R.T. 0.003 min
Lab File: VL041081.D
Acq: 11 Mar 2024 10:27

Tgt Ion: 105 Resp: 132834
Ion Ratio Lower Upper
105 100
120 31.7 23.8 35.8
91 19.3 10.9 16.3#
77 17.3 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 0.402 ppbv

RT: 15.378 min Scan# 3970

Delta R.T. 0.010 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

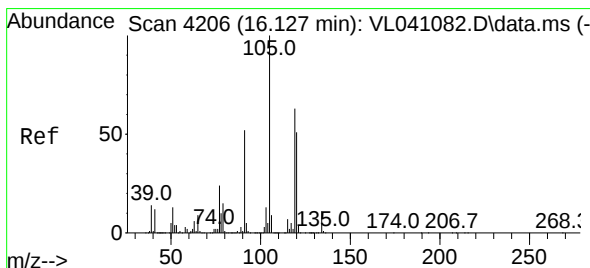
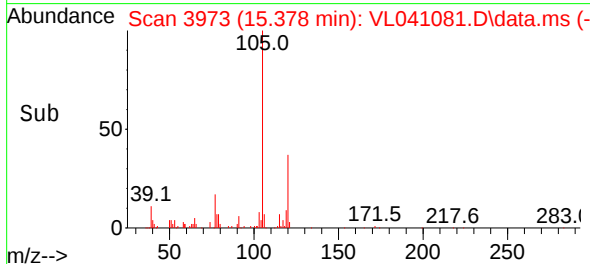
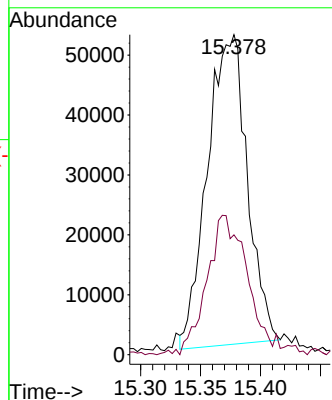
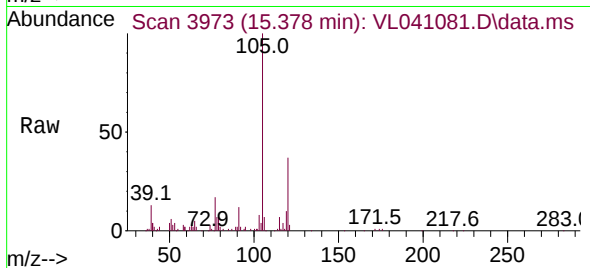
VSTDIC0.5

Tgt Ion:105 Resp: 119664

Ion Ratio Lower Upper

105 100

120 39.1 38.7 58.1



#74

1,2,4-Trimethylbenzene

Concen: 0.462 ppbv

RT: 16.127 min Scan# 4206

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Tgt Ion:105 Resp: 156957

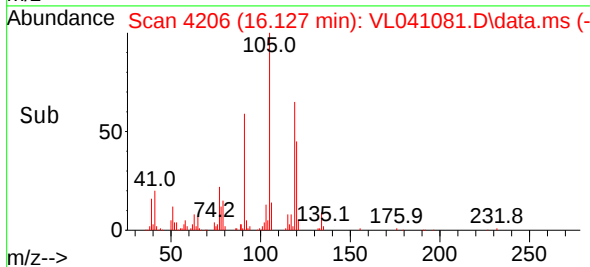
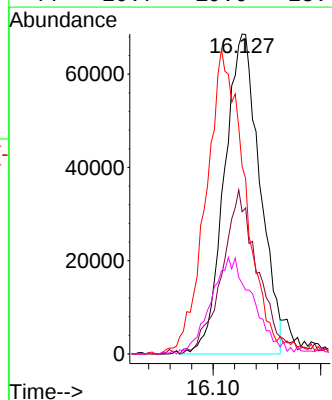
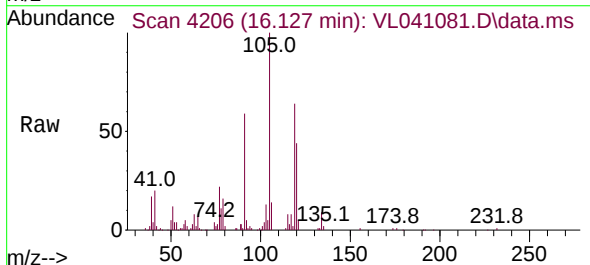
Ion Ratio Lower Upper

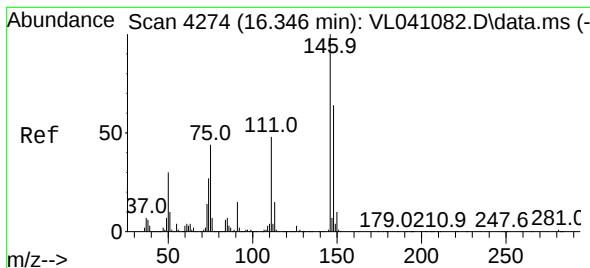
105 100

120 44.4 40.4 60.6

91 53.2 41.4 62.0

77 20.7 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 0.488 ppbv

RT: 16.349 min Scan# 4275

Delta R.T. 0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

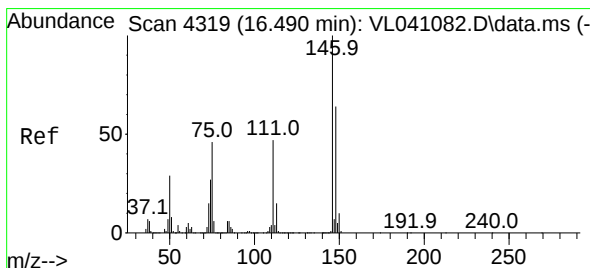
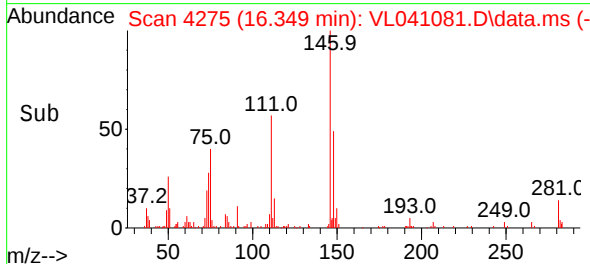
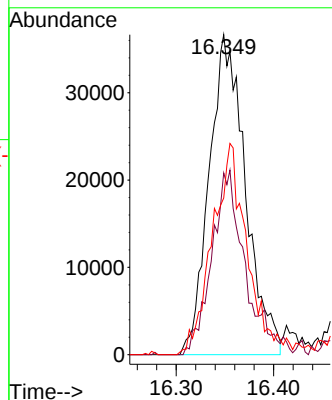
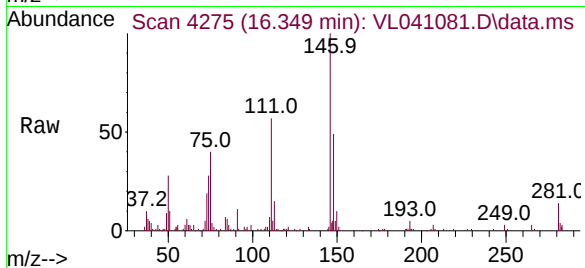
Tgt Ion:146 Resp: 94731

Ion Ratio Lower Upper

146 100

111 53.8 24.1 72.2

148 64.3 32.6 97.7



#76

1,4-Dichlorobenzene

Concen: 0.456 ppbv

RT: 16.490 min Scan# 4319

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

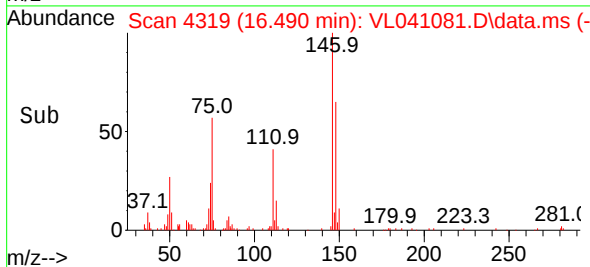
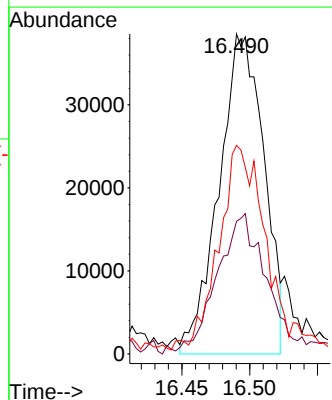
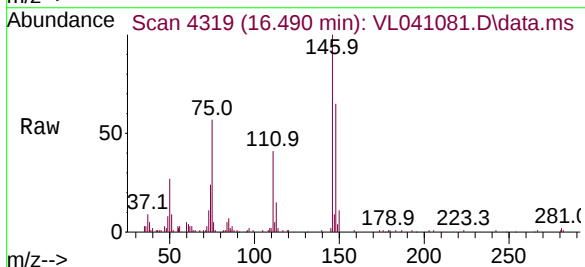
Tgt Ion:146 Resp: 88982

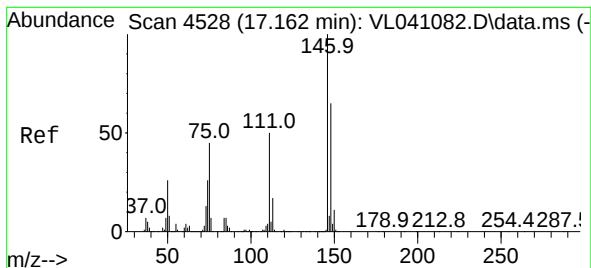
Ion Ratio Lower Upper

146 100

111 51.2 23.9 71.7

148 73.4 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 0.313 ppbv

RT: 17.166 min Scan# 4528

Delta R.T. 0.003 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

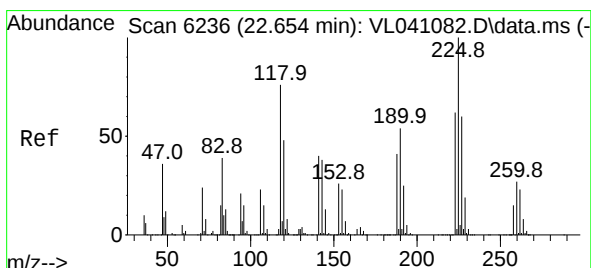
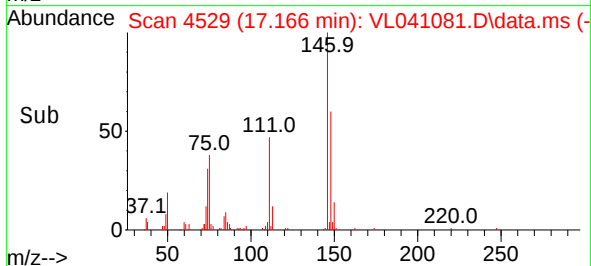
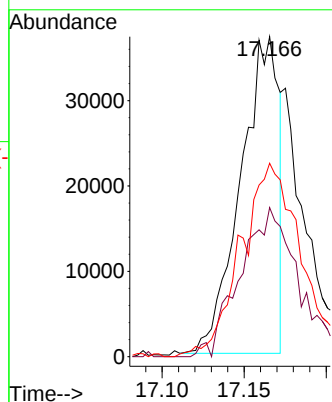
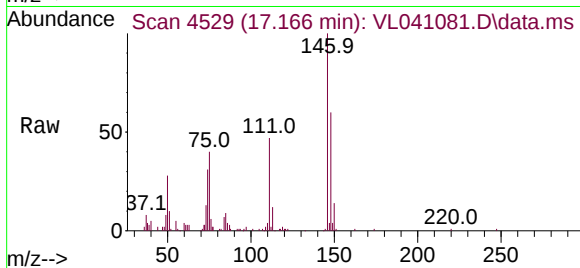
Tgt Ion:146 Resp: 60028

Ion Ratio Lower Upper

146 100

111 73.9 25.2 75.6

148 102.1 32.4 97.0#



#78

Hexachloro-1,3-Butadiene

Concen: 0.094 ppbv

RT: 22.654 min Scan# 6236

Delta R.T. 0.000 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

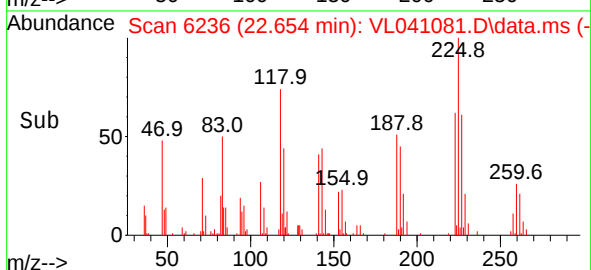
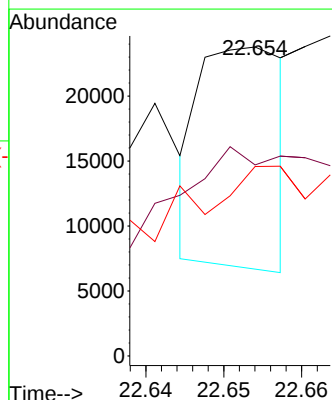
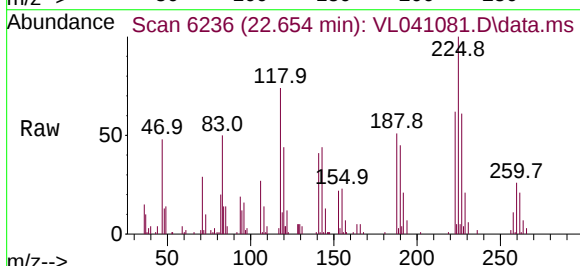
Tgt Ion:225 Resp: 12629

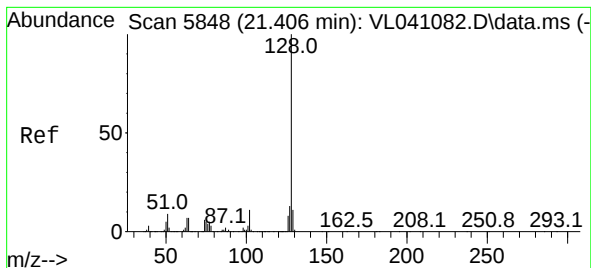
Ion Ratio Lower Upper

225 100

223 382.4 51.1 76.7#

227 351.4 51.1 76.7#





#79

Naphthalene

Concen: 0.141 ppbv

RT: 21.429 min Scan# 5848

Delta R.T. 0.023 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

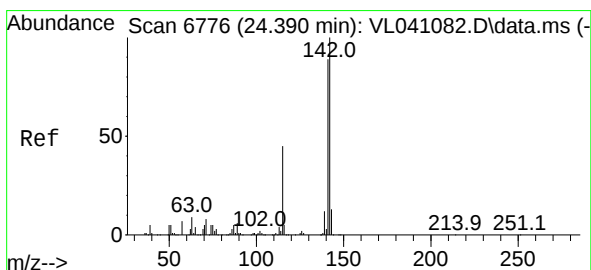
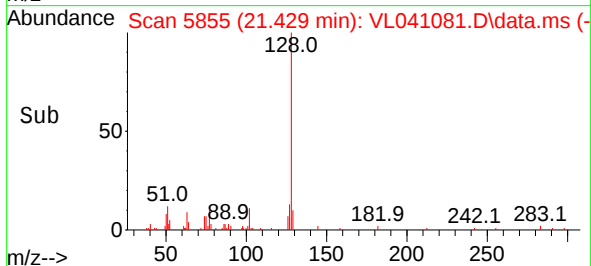
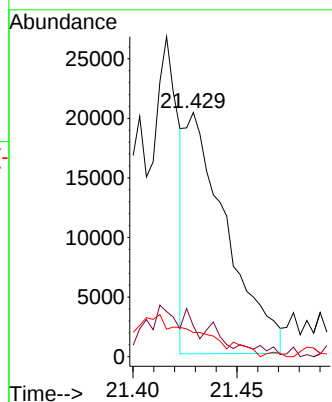
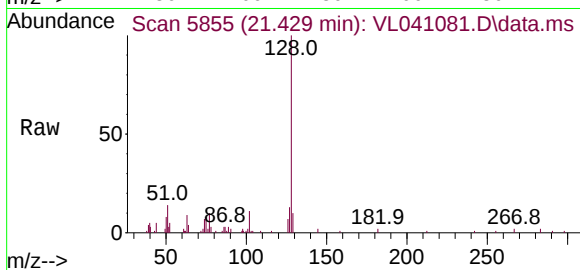
Tgt Ion:128 Resp: 28280

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 9.6 9.0 13.6



#80

Naphthalene,2-methyl-

Concen: 0.004 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. -0.022 min

Lab File: VL041081.D

Acq: 11 Mar 2024 10:27

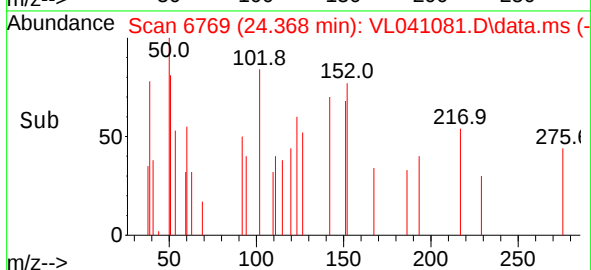
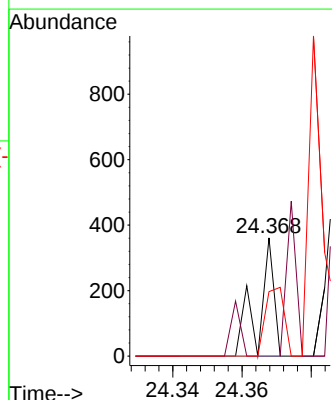
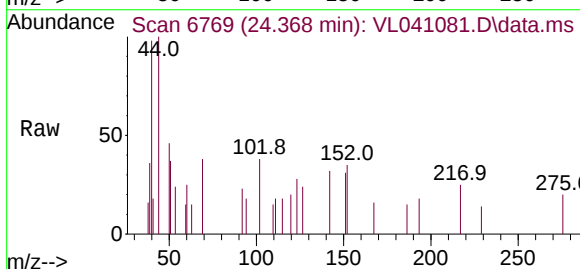
Tgt Ion:142 Resp: 111

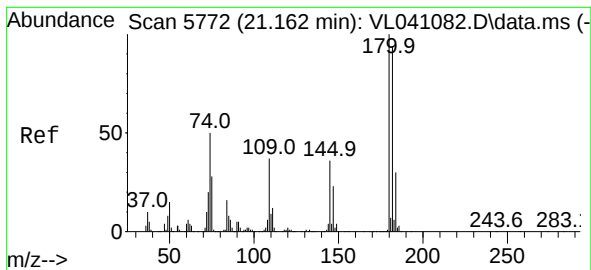
Ion Ratio Lower Upper

142 100

141 2076.6 61.3 91.9#

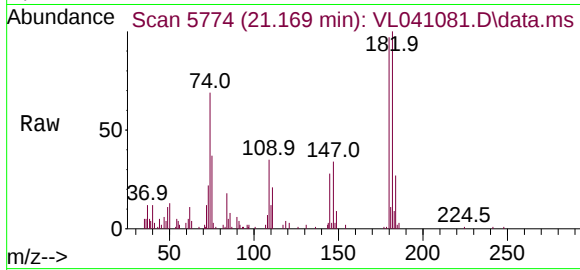
115 322.5 35.4 53.2#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.244 ppbv
 RT: 21.169 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL041081.D
 Acq: 11 Mar 2024 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180 Resp: 27916
 Ion Ratio Lower Upper
 180 100
 182 175.6 78.7 118.1#
 184 57.0 25.3 37.9#

