

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041084.D
 Acq On : 11 Mar 2024 12:23
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Mar 12 05:50:13 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	1474460	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3823500	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	3470488	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	2684467	9.893	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.729	85	300683	1.070	ppbv	94
3) Chlorodifluoromethane	2.674	51	230971	1.067	ppbv	98
4) Chloromethane	2.812	50	89081	1.087	ppbv	95
5) Vinyl Chloride	2.922	62	80000	0.959	ppbv	92
6) Bromomethane	3.124	94	31980	0.967	ppbv	99
7) Chloroethane	3.198	64	29623	1.009	ppbv	91
8) Dichlorotetrafluoroethane	2.857	85	219106	1.074	ppbv	98
9) Propene	2.693	41	75350	1.045	ppbv	91
10) Heptane	7.594	43	173571	1.006	ppbv	96
11) Trichlorofluoromethane	3.565	101	229828	1.061	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.076	101	167911	1.054	ppbv	96
13) Ethanol	3.253	45	7208	0.395	ppbv #	45
14) Bromoethene	3.369	108	64483	1.038	ppbv	96
15) Acetone	3.478	43	187424	1.116	ppbv	96
16) 1,3-Butadiene	2.986	39	76891	0.972	ppbv	94
17) tert-Butyl alcohol	3.886	59	57033	0.457	ppbv #	70
18) 1,1-Dichloroethene	3.886	96	71331	1.017	ppbv	94
19) Isopropyl Alcohol	3.594	45	94899	1.058	ppbv #	97
20) Methylene Chloride	3.938	84	69243	1.057	ppbv	87
21) Allyl Chloride	4.005	41	94448	0.996	ppbv	97
22) trans-1,2-Dichloroethene	4.452	96	80715	0.967	ppbv	98
23) Vinyl Acetate	4.639	43	187441	1.005	ppbv	98
24) 1,1-Dichloroethane	4.571	63	187686	1.093	ppbv	99
25) Ethyl Acetate	5.218	43	327572	1.082	ppbv	100
26) Hexane	5.224	57	69060	0.509	ppbv #	1
27) Carbon Disulfide	4.131	76	162336	1.001	ppbv #	88
28) Methyl tert-Butyl Ether	4.600	73	128599	1.075	ppbv	98
29) Chloroform	5.282	83	248014	1.062	ppbv	85
30) Cyclohexane	6.610	84	107935	0.972	ppbv	88
31) cis-1,2-Dichloroethene	5.086	61	75731	0.576	ppbv	96
32) 1,1,1-Trichloroethane	6.012	97	232090	1.110	ppbv	100
34) 2-Butanone	4.800	43	191837	1.011	ppbv	95
35) Carbon Tetrachloride	6.507	117	238188	1.070	ppbv	98
36) Benzene	6.378	78	290585	1.021	ppbv	98
37) 1,2-Dichloroethane	5.819	62	182043	1.063	ppbv	99
38) Trichloroethene	7.301	130	112573	1.060	ppbv	97
39) 1,2-Dichloropropane	7.086	63	116598	1.025	ppbv #	84
40) 1,4-Dioxane	7.285	88	736	0.016	ppbv #	1
41) Tetrahydrofuran	5.584	42	107882	0.958	ppbv	94
42) Bromodichloromethane	7.259	83	245198	1.000	ppbv #	87
43) Methyl Methacrylate	7.491	69	109156	0.993	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	492404	1.035	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	60986	0.799	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041084.D
 Acq On : 11 Mar 2024 12:23
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

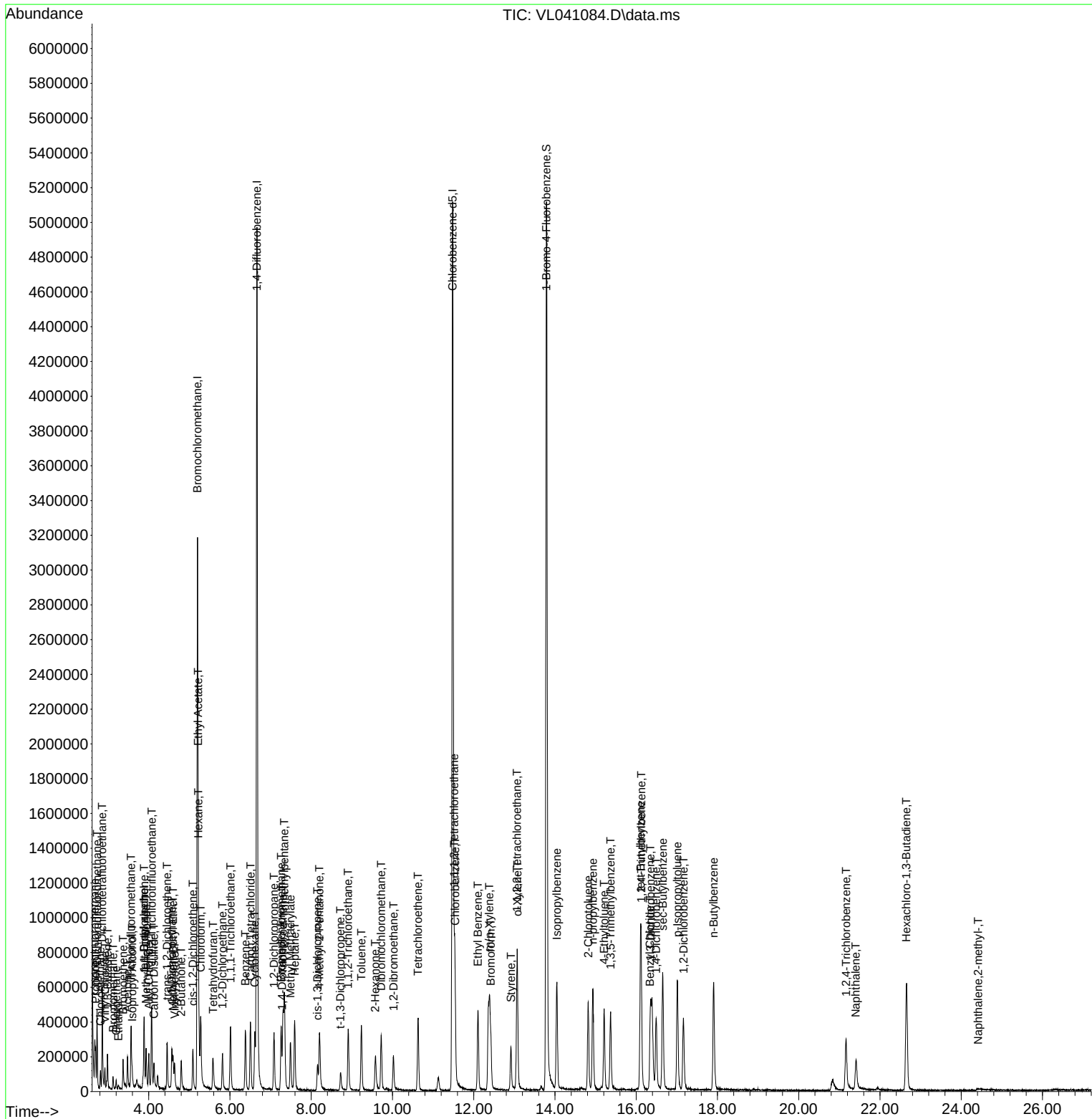
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 12 05:47:21 2024
 Response via : Initial Calibration

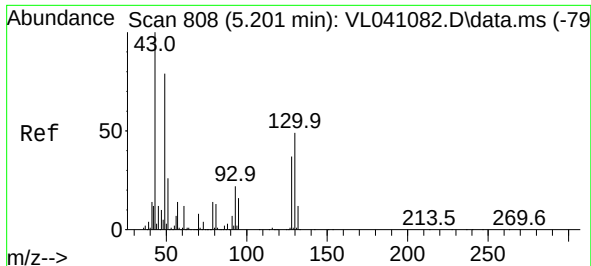
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	83983	0.883	ppbv	98
47) 1,1,2-Trichloroethane	8.905	97	117317	0.964	ppbv	96
48) Dibromochloromethane	9.722	129	192702	0.972	ppbv	99
49) Bromoform	12.420	173	150115	0.953	ppbv	98
50) 4-Methyl-2-Pentanone	8.201	43	275650	0.987	ppbv	99
51) 2-Hexanone	9.577	43	94867	0.459	ppbv #	23
52) Tetrachloroethene	10.626	164	46298	0.523	ppbv	96
53) Toluene	9.233	91	299979	0.978	ppbv	99
54) 1,2-Dibromoethane	10.024	107	156875	1.005	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.523	131	157264	1.058	ppbv #	1
57) Chlorobenzene	11.545	112	260882	1.050	ppbv	96
58) Ethyl Benzene	12.105	91	420299	1.034	ppbv	96
59) m/p-Xylene	12.384	91	103559	0.290	ppbv #	32
60) o-Xylene	12.076	91	349454	1.033	ppbv	99
61) Styrene	12.918	104	140215	0.909	ppbv	96
62) Isopropylbenzene	14.044	105	291832	0.580	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.066	83	277284	1.073	ppbv	98
64) n-propylbenzene	14.931	120	128731	1.015	ppbv	85
65) tert-Butylbenzene	16.105	119	460747	1.055	ppbv	97
66) Benzyl Chloride	16.336	91	6884	0.234	ppbv #	59
67) sec-Butylbenzene	16.654	105	677036	1.077	ppbv	99
69) p-Isopropyltoluene	17.011	119	516253	1.052	ppbv	99
70) n-Butylbenzene	17.905	91	563097	1.062	ppbv	96
71) 2-Chlorotoluene	14.818	91	395839	1.029	ppbv	98
72) 4-Ethyltoluene	15.211	105	382028	1.025	ppbv	98
73) 1,3,5-Trimethylbenzene	15.368	105	339487	1.029	ppbv	94
74) 1,2,4-Trimethylbenzene	16.124	105	400288	1.062	ppbv	96
75) 1,3-Dichlorobenzene	16.349	146	213421	0.992	ppbv	95
76) 1,4-Dichlorobenzene	16.490	146	134947	0.624	ppbv #	50
77) 1,2-Dichlorobenzene	17.162	146	218437	1.028	ppbv	98
78) Hexachloro-1,3-Butadiene	22.648	225	85383	0.575	ppbv #	21
79) Naphthalene	21.403	128	85573	0.386	ppbv #	96
80) Naphthalene,2-methyl-	24.416	142	7962	0.275	ppbv #	84
81) 1,2,4-Trichlorobenzene	21.169	180	122193	0.964	ppbv	95

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Mar 12 05:50:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Mar 12 05:47:21 2024
Response via : Initial Calibration

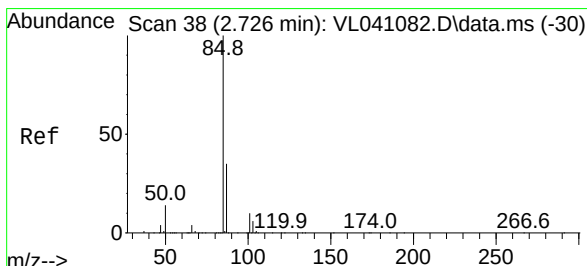
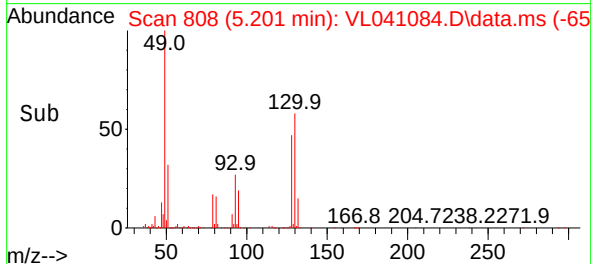
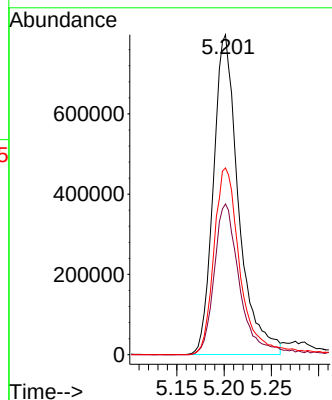
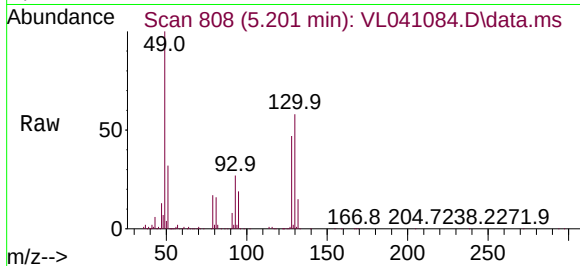




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

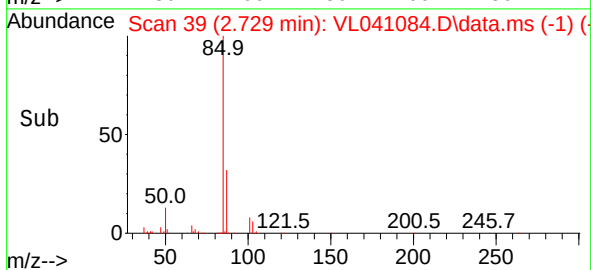
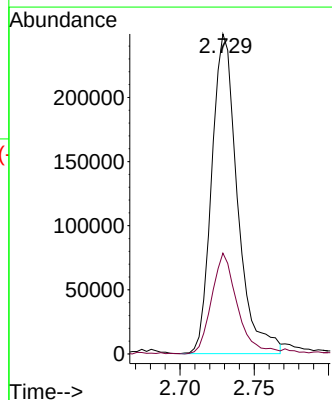
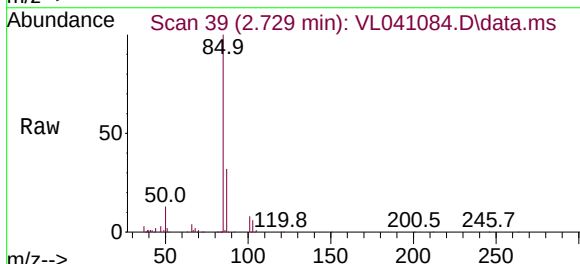
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

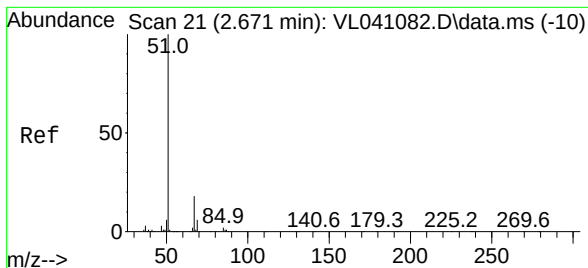
Tgt Ion: 49 Resp: 1474460
Ion Ratio Lower Upper
49 100
128 49.3 23.8 71.5
130 61.9 30.3 90.9



#2
Dichlorodifluoromethane
Concen: 1.070 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 85 Resp: 300683
Ion Ratio Lower Upper
85 100
87 31.5 28.1 42.1

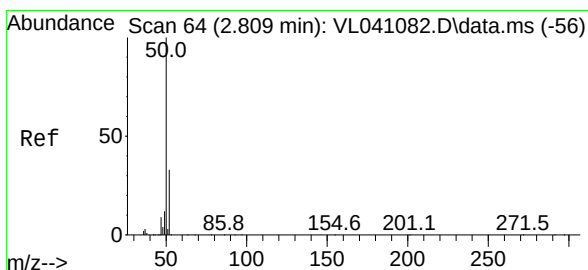
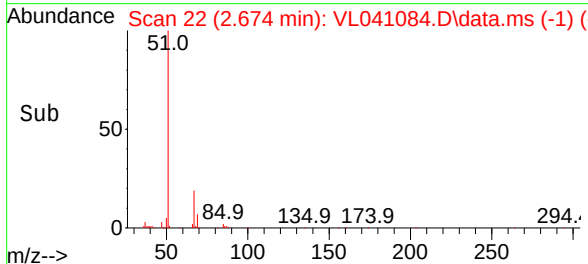
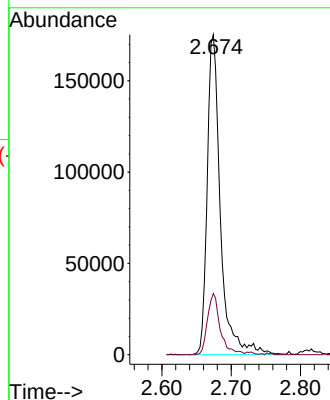
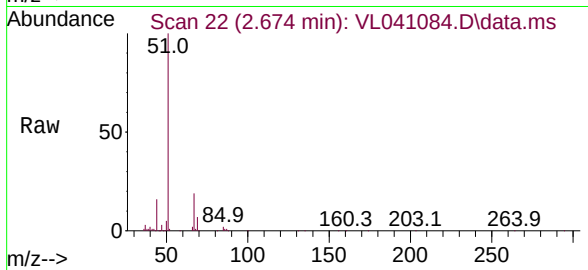




#3
Chlorodifluoromethane
Concen: 1.067 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

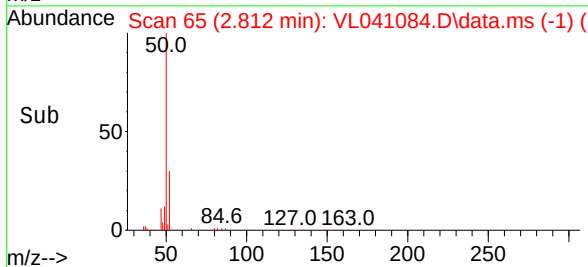
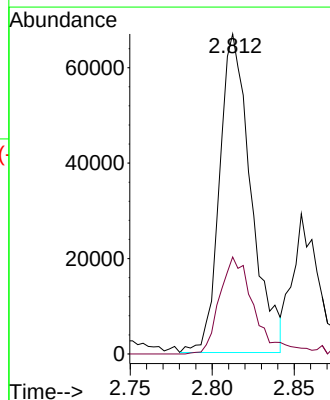
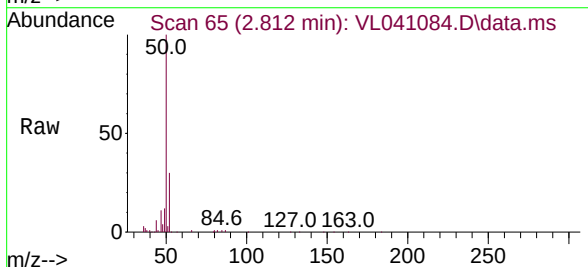
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

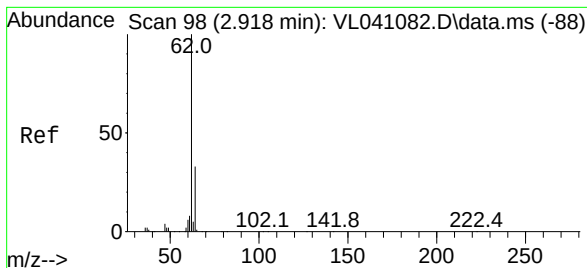
Tgt Ion: 51 Resp: 230971
Ion Ratio Lower Upper
51 100
67 19.1 14.5 21.7



#4
Chloromethane
Concen: 1.087 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 50 Resp: 89081
Ion Ratio Lower Upper
50 100
52 30.6 26.6 40.0

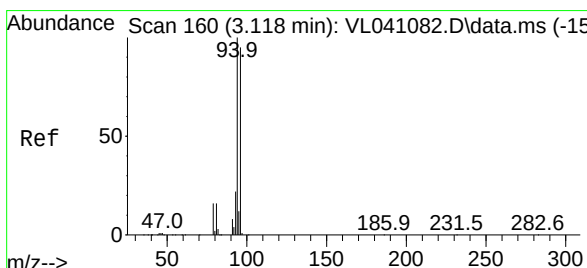
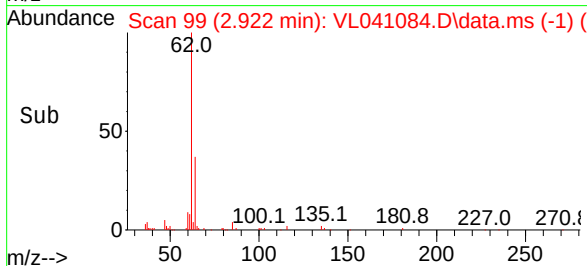
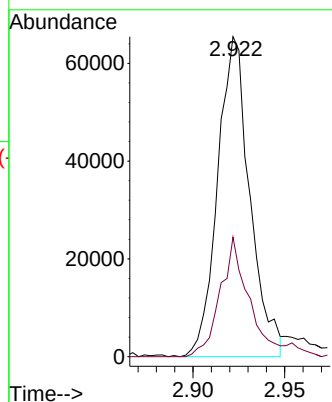
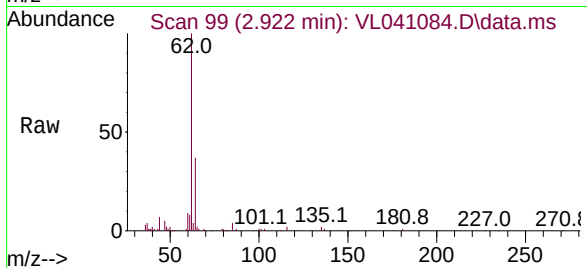




#5
 Vinyl Chloride
 Concen: 0.959 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.003 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

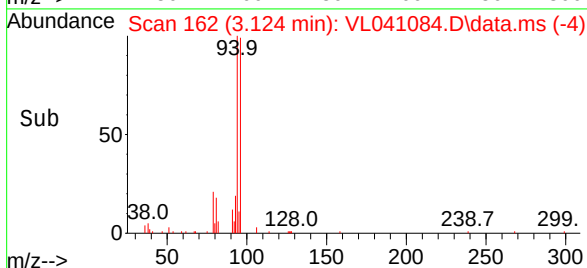
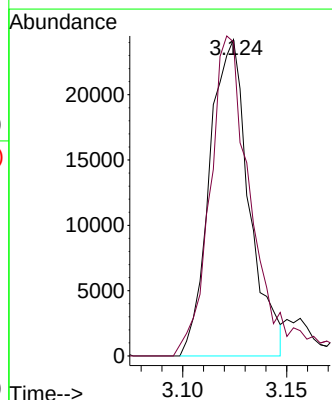
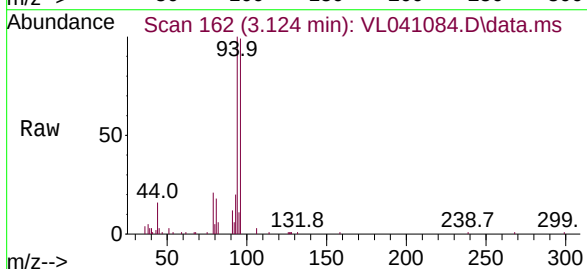
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

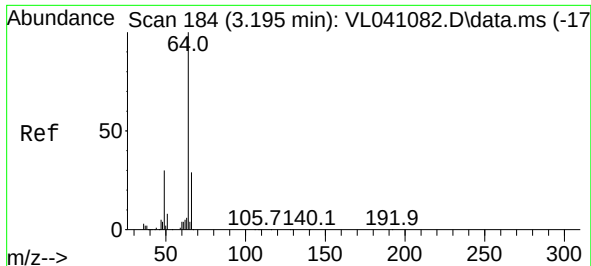
Tgt Ion: 62 Resp: 80000
 Ion Ratio Lower Upper
 62 100
 64 37.4 26.5 39.7



#6
 Bromomethane
 Concen: 0.967 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. 0.007 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Tgt Ion: 94 Resp: 31980
 Ion Ratio Lower Upper
 94 100
 96 96.4 76.0 114.0

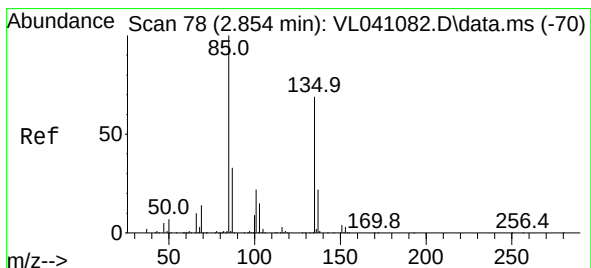
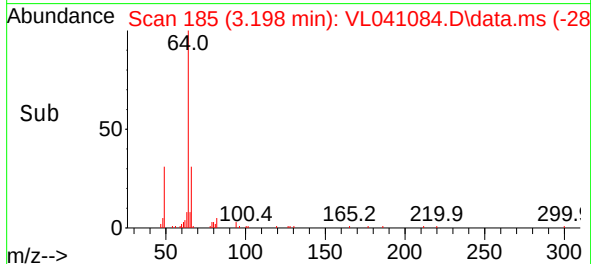
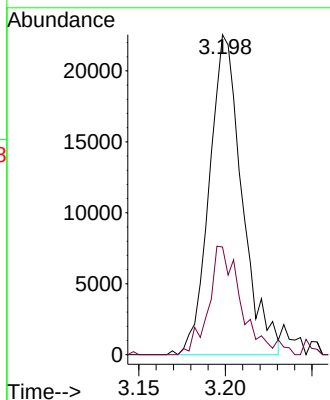
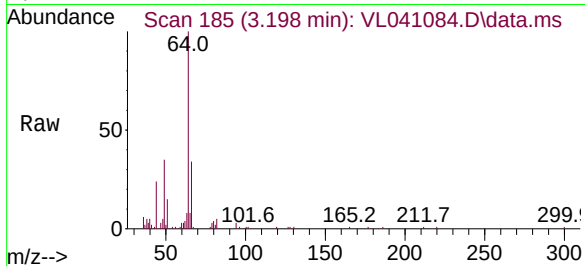




#7
Chloroethane
Concen: 1.009 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

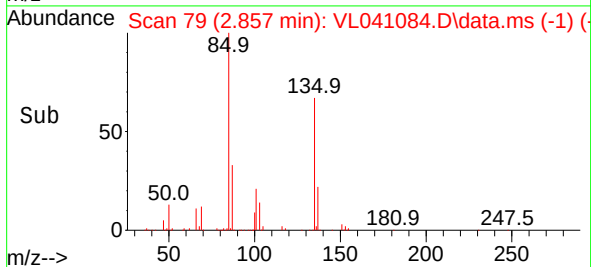
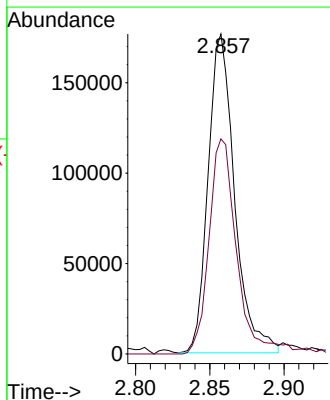
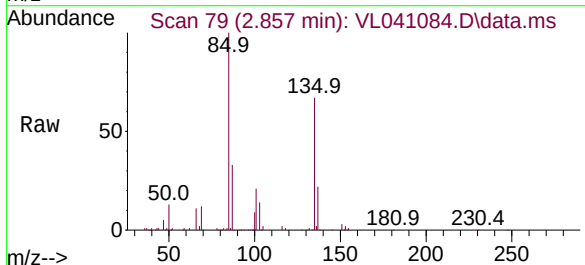
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

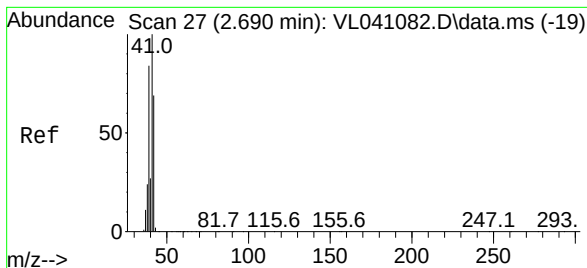
Tgt Ion: 64 Resp: 29623
Ion Ratio Lower Upper
64 100
66 33.6 23.2 34.8



#8
Dichlorotetrafluoroethane
Concen: 1.074 ppbv
RT: 2.857 min Scan# 79
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 85 Resp: 219106
Ion Ratio Lower Upper
85 100
135 72.5 56.7 85.1





#9

Propene

Concen: 1.045 ppbv

RT: 2.693 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

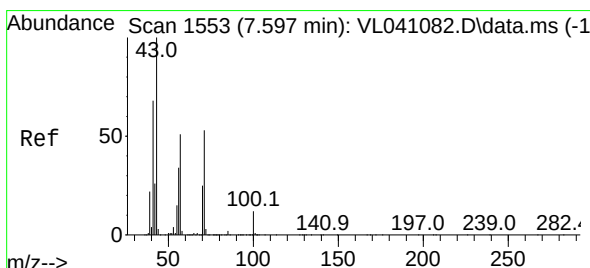
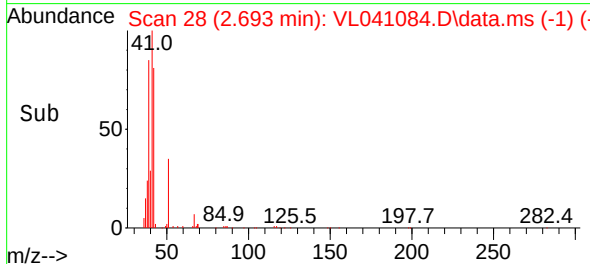
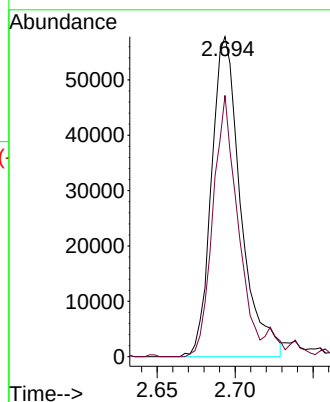
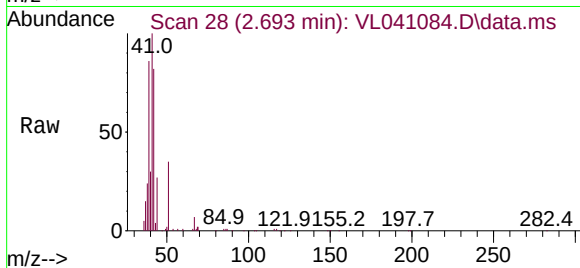
VSTDIC001

Tgt Ion: 41 Resp: 75350

Ion Ratio Lower Upper

41 100

42 77.6 55.9 83.9



#10

Heptane

Concen: 1.006 ppbv

RT: 7.594 min Scan# 1552

Delta R.T. -0.003 min

Lab File: VL041084.D

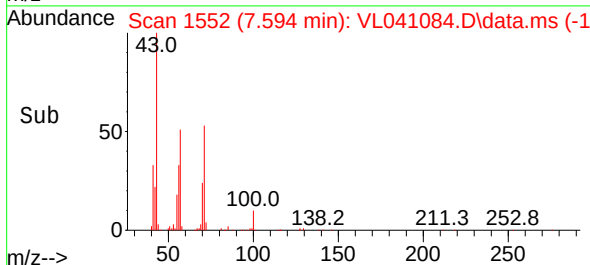
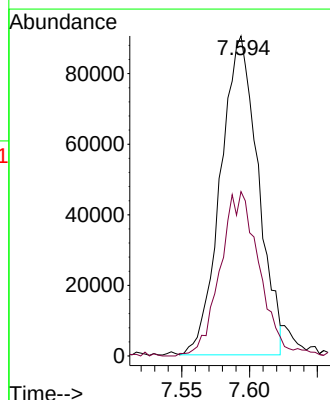
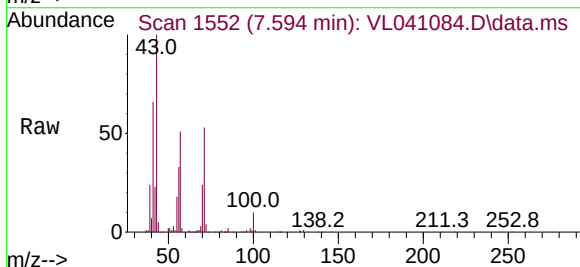
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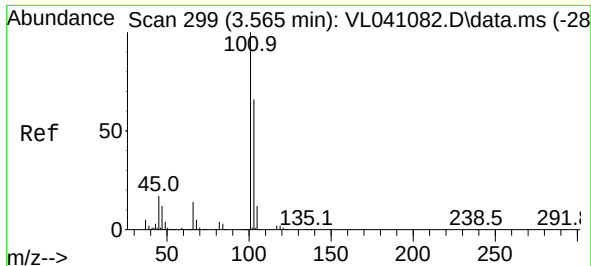
Tgt Ion: 43 Resp: 173571

Ion Ratio Lower Upper

43 100

57 54.4 41.0 61.6

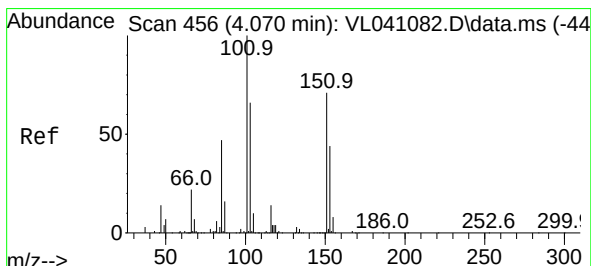
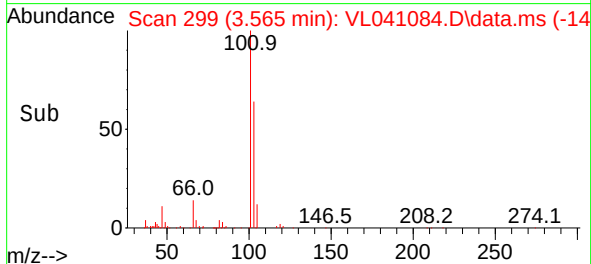
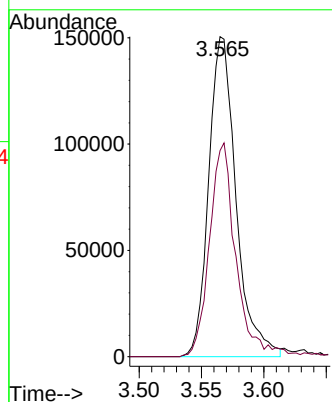
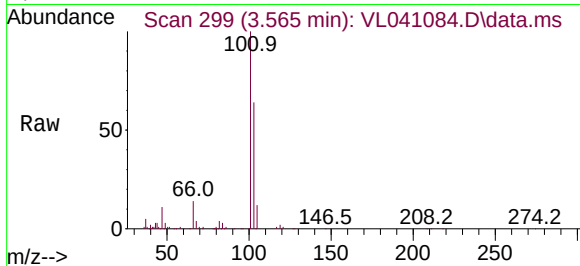




#11
 Trichlorofluoromethane
 Concen: 1.061 ppbv
 RT: 3.565 min Scan# 299
 Delta R.T. 0.000 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

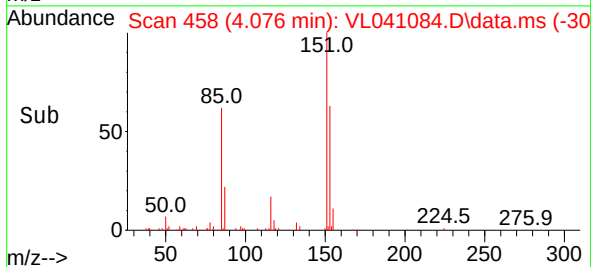
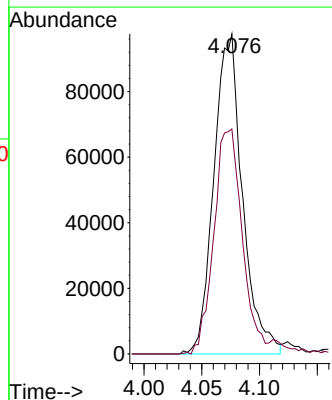
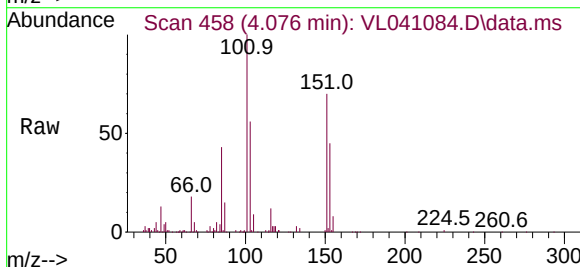
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

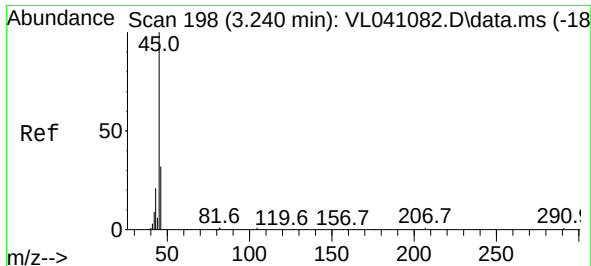
Tgt Ion:101 Resp: 229828
 Ion Ratio Lower Upper
 101 100
 103 64.4 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.054 ppbv
 RT: 4.076 min Scan# 458
 Delta R.T. 0.007 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Tgt Ion:101 Resp: 167911
 Ion Ratio Lower Upper
 101 100
 151 73.1 55.8 83.8





#13

Ethanol

Concen: 0.395 ppbv

RT: 3.253 min Scan# 202

Delta R.T. 0.013 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

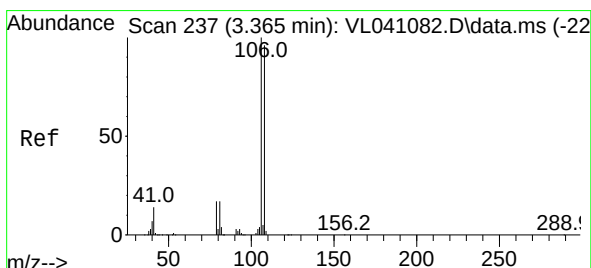
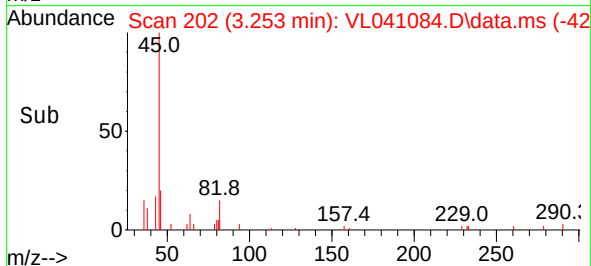
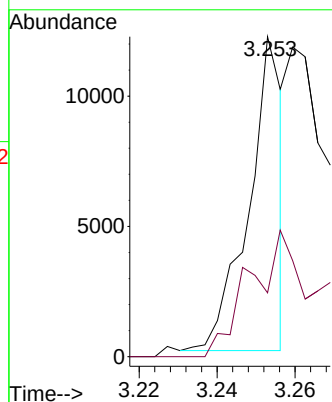
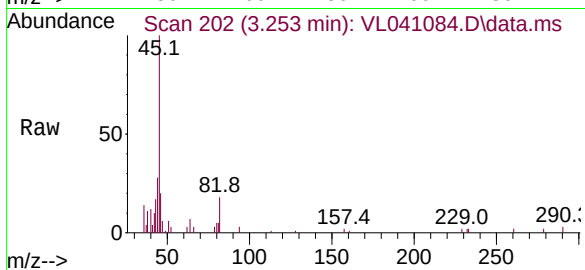
VSTDIC001

Tgt Ion: 45 Resp: 7208

Ion Ratio Lower Upper

45 100

46 3.9 14.6 58.2#



#14

Bromoethene

Concen: 1.038 ppbv

RT: 3.369 min Scan# 238

Delta R.T. 0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

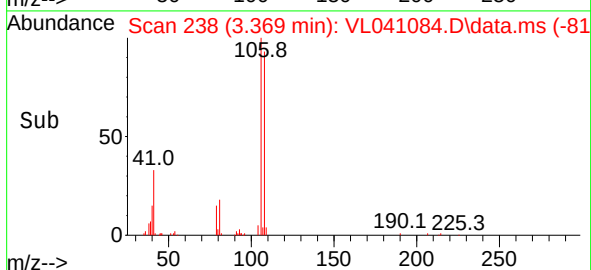
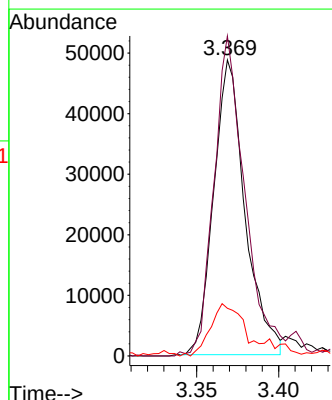
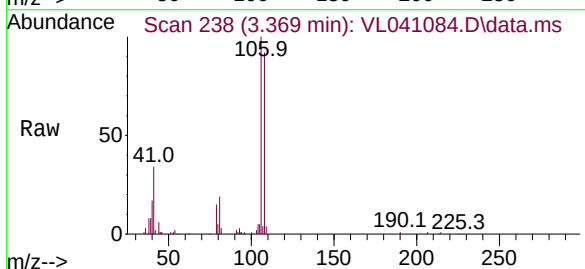
Tgt Ion:108 Resp: 64483

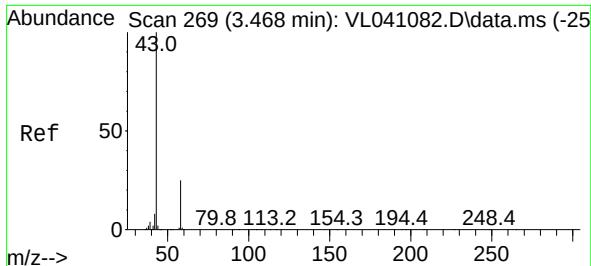
Ion Ratio Lower Upper

108 100

106 114.1 88.1 132.1

79 22.5 15.6 23.4





#15

Acetone

Concen: 1.116 ppbv

RT: 3.478 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

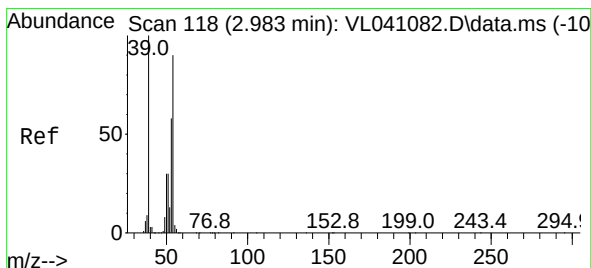
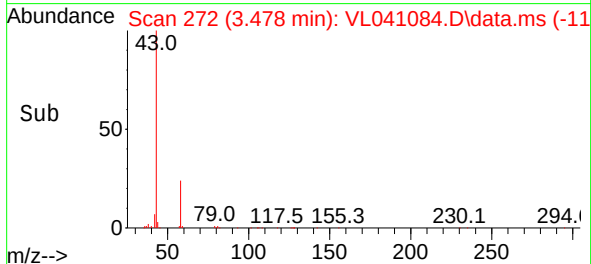
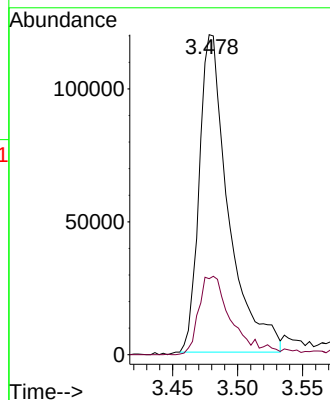
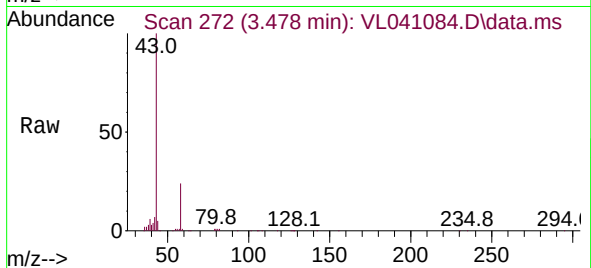
VSTDICC001

Tgt Ion: 43 Resp: 187424

Ion Ratio Lower Upper

43 100

58 29.2 21.7 32.5



#16

1,3-Butadiene

Concen: 0.972 ppbv

RT: 2.986 min Scan# 119

Delta R.T. 0.003 min

Lab File: VL041084.D

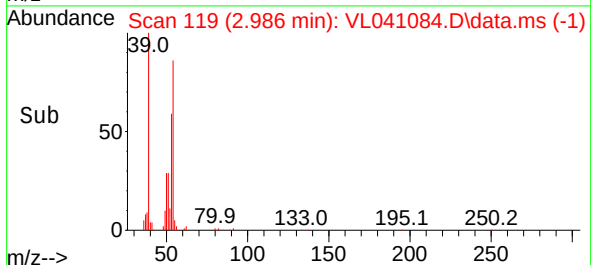
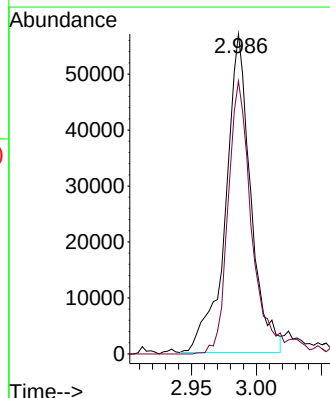
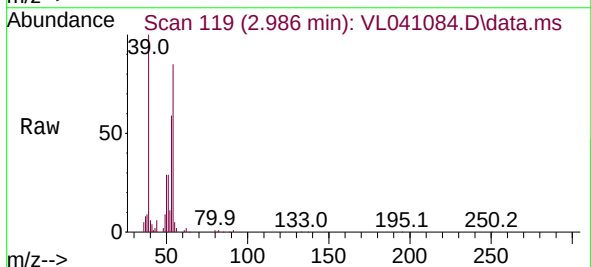
Acq: 11 Mar 2024 12:23

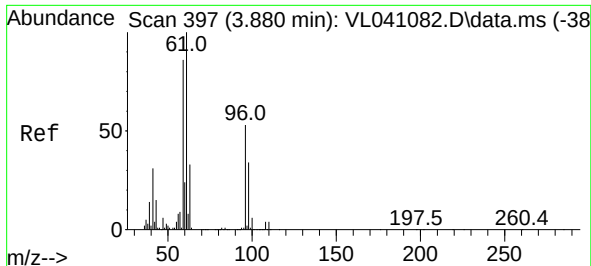
Tgt Ion: 39 Resp: 76891

Ion Ratio Lower Upper

39 100

54 84.9 64.0 96.0





#17

tert-Butyl alcohol

Concen: 0.457 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.007 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

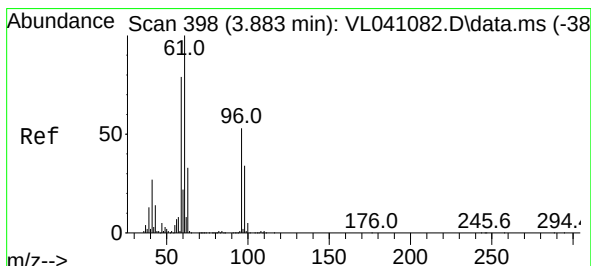
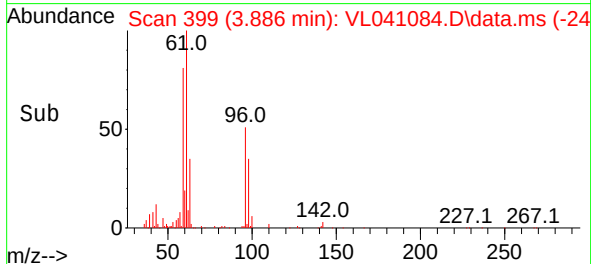
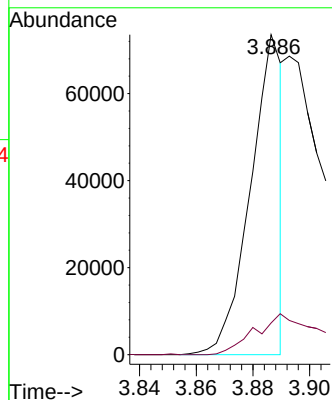
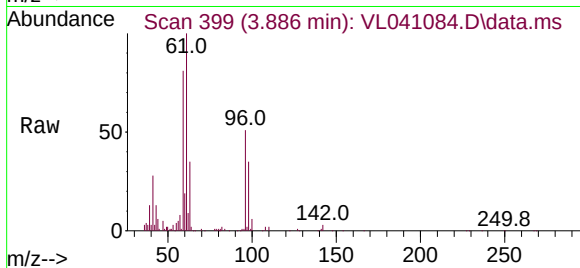
VSTDICC001

Tgt Ion: 59 Resp: 57033

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



#18

1,1-Dichloroethene

Concen: 1.017 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

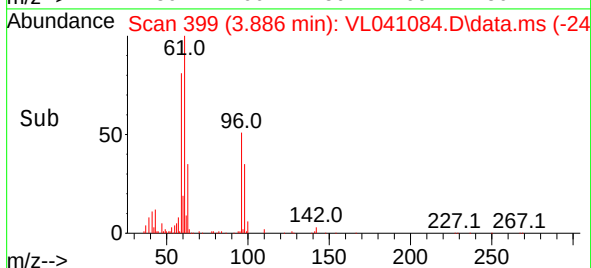
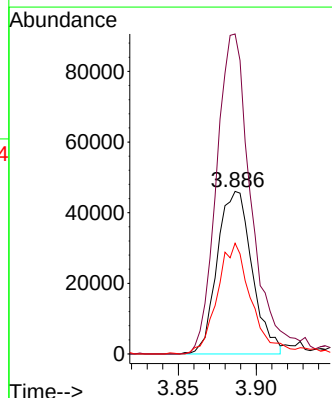
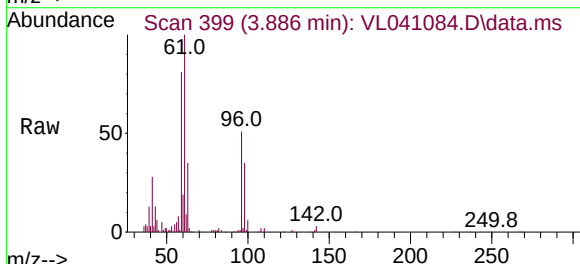
Tgt Ion: 96 Resp: 71331

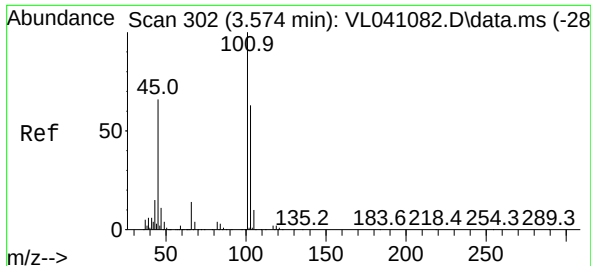
Ion Ratio Lower Upper

96 100

61 196.9 150.2 225.2

98 68.2 50.7 76.1





#19

Isopropyl Alcohol

Concen: 1.058 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.019 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

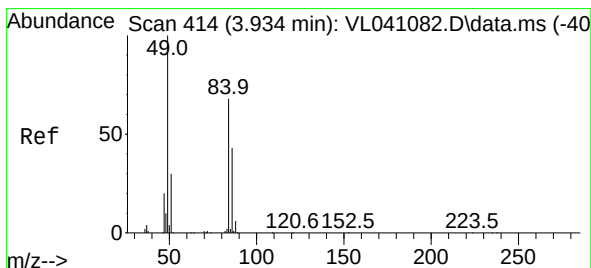
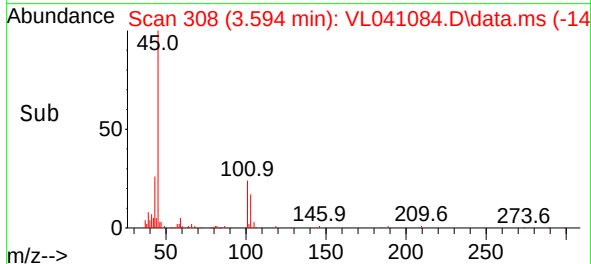
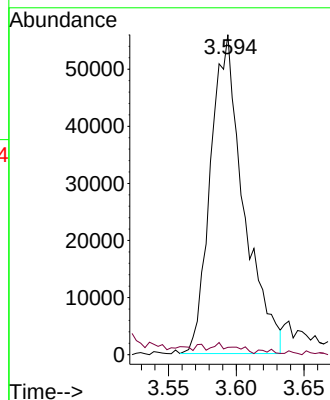
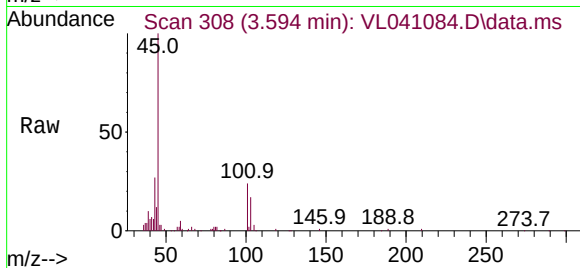
VSTDIC001

Tgt Ion: 45 Resp: 94899

Ion Ratio Lower Upper

45 100

58 3.7 2.2 3.4#



#20

Methylene Chloride

Concen: 1.057 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Tgt Ion: 84 Resp: 69243

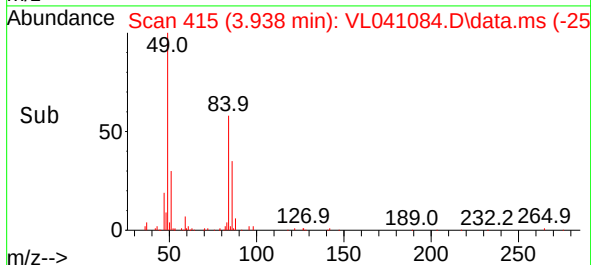
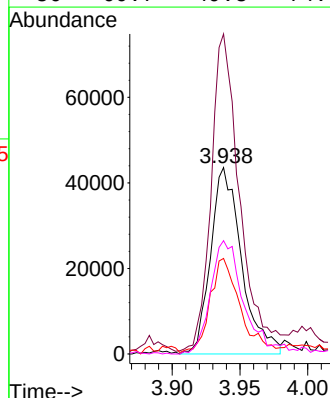
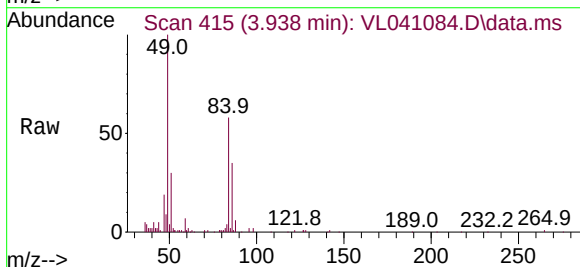
Ion Ratio Lower Upper

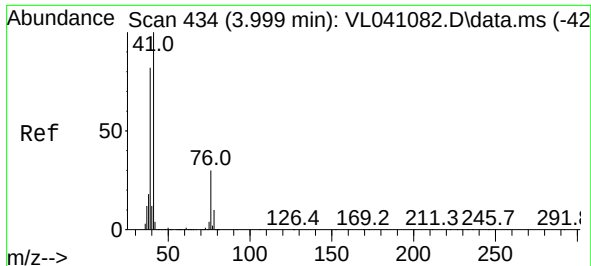
84 100

49 169.9 117.0 175.6

51 50.4 34.9 52.3

86 60.7 49.8 74.6





#21

Allyl Chloride

Concen: 0.996 ppbv

RT: 4.005 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

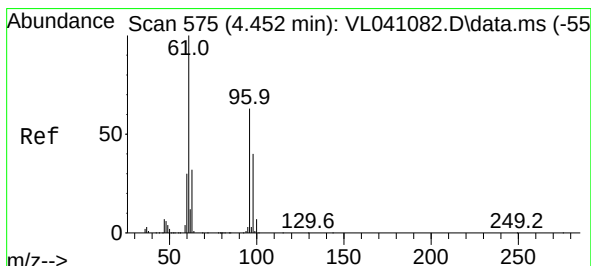
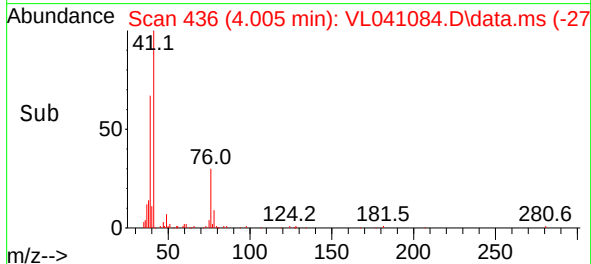
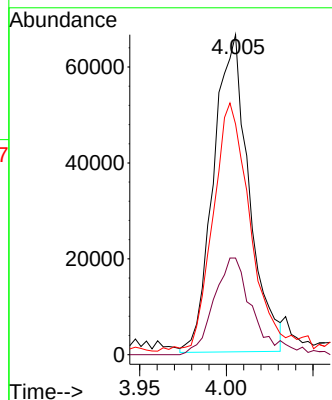
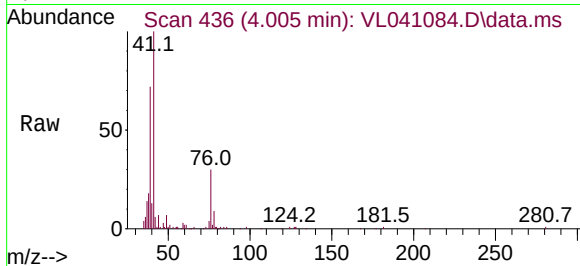
Tgt Ion: 41 Resp: 94448

Ion Ratio Lower Upper

41 100

76 33.8 25.5 38.3

39 86.6 67.4 101.2



#22

trans-1,2-Dichloroethene

Concen: 0.967 ppbv

RT: 4.452 min Scan# 575

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

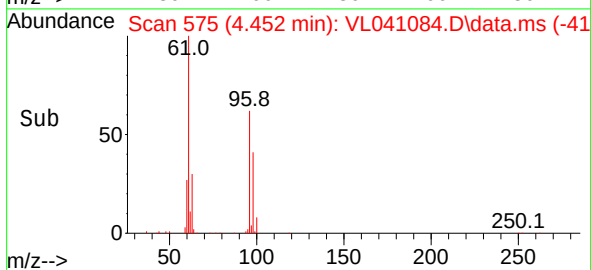
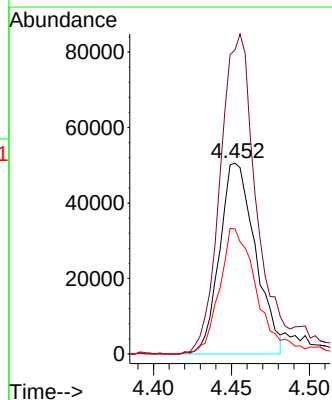
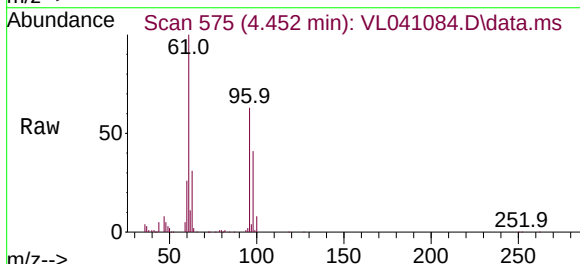
Tgt Ion: 96 Resp: 80715

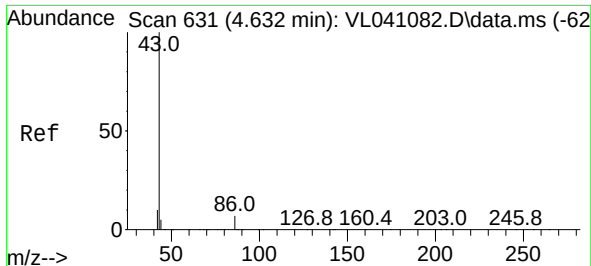
Ion Ratio Lower Upper

96 100

61 159.5 126.7 190.1

98 65.5 50.1 75.1

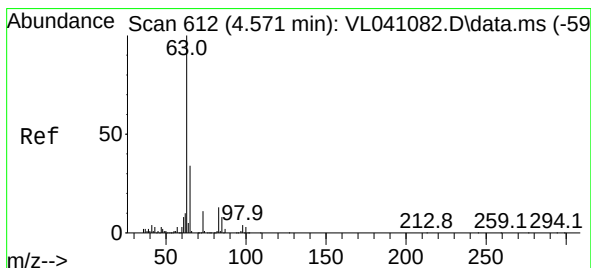
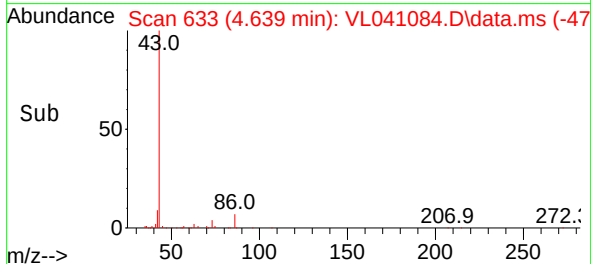
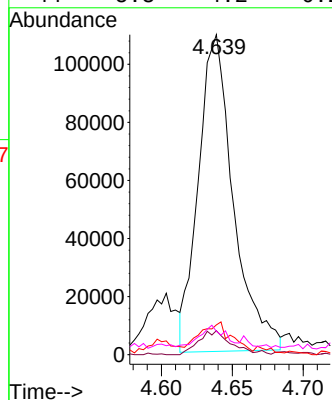
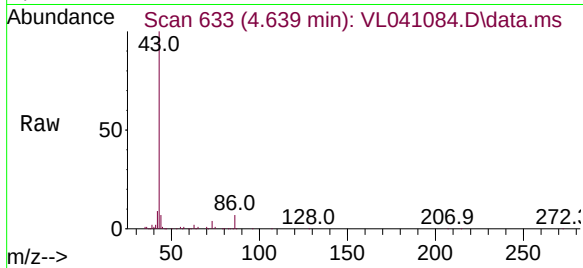




#23
 Vinyl Acetate
 Concen: 1.005 ppbv
 RT: 4.639 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

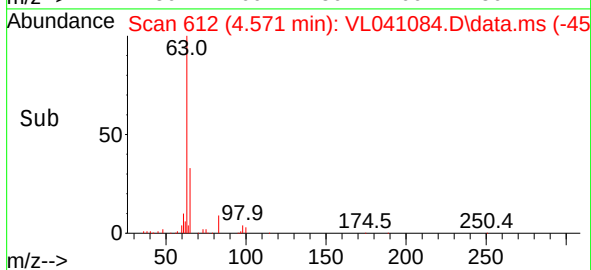
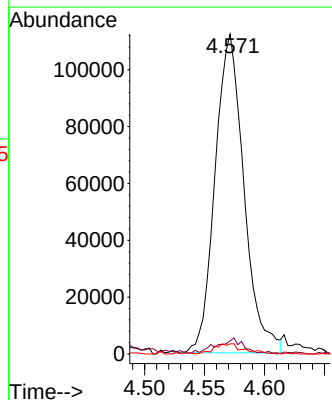
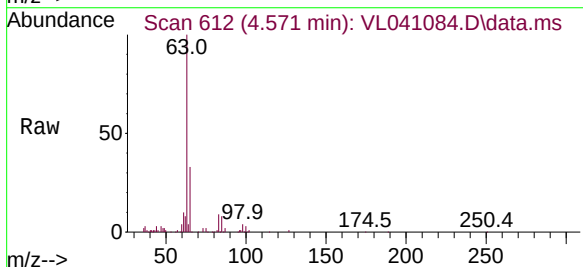
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

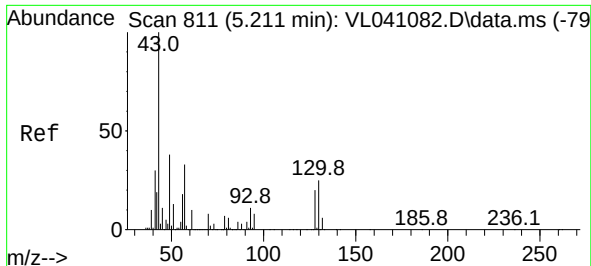
Tgt Ion: 43 Resp: 187441
 Ion Ratio Lower Upper
 43 100
 86 7.9 5.4 8.2
 42 9.1 8.0 12.0
 44 5.3 4.2 6.2



#24
 1,1-Dichloroethane
 Concen: 1.093 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.000 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Tgt Ion: 63 Resp: 187686
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.1 6.5
 100 3.2 1.4 4.2

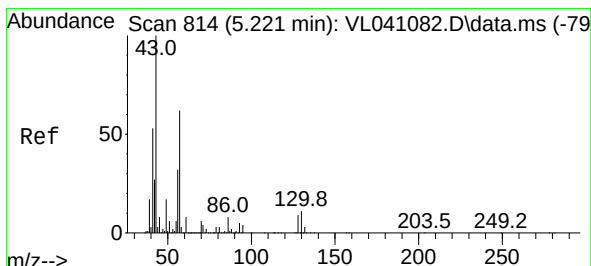
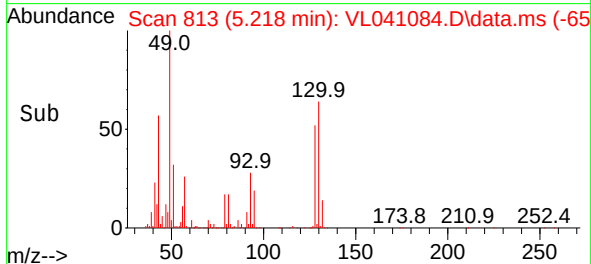
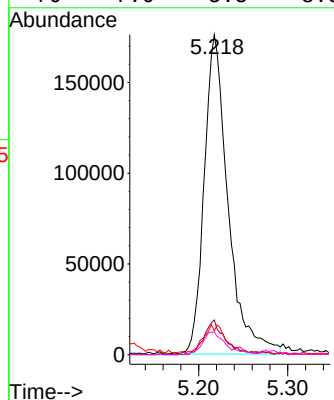
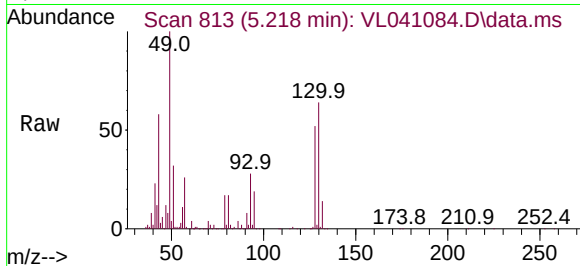




#25
Ethyl Acetate
Concen: 1.082 ppbv
RT: 5.218 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

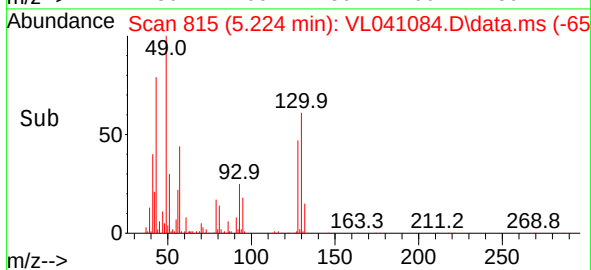
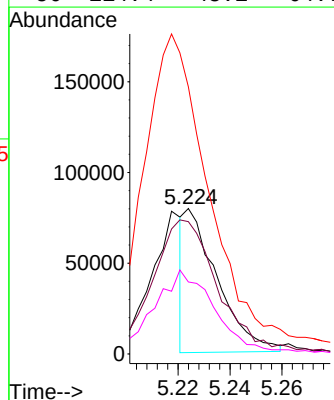
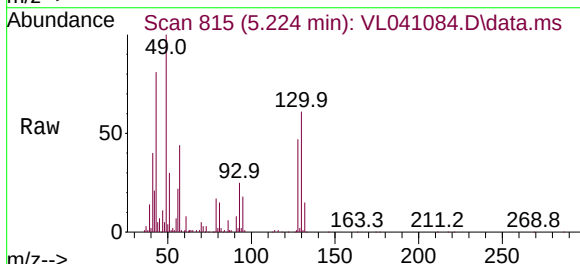
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

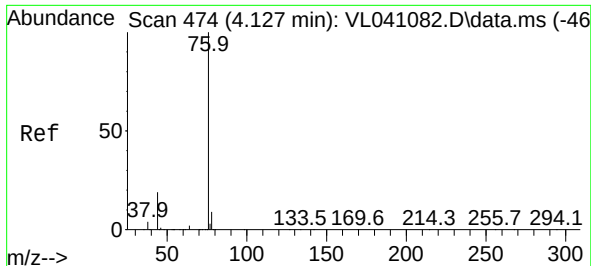
Tgt Ion:	43	Resp:	327572
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	10.3	8.2	12.2
70	7.0	5.5	8.3



#26
Hexane
Concen: 0.509 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion:	57	Resp:	69060
Ion	Ratio	Lower	Upper
57	100		
41	197.4	73.8	110.6#
43	0.0	184.2	276.2#
56	114.4	43.1	64.7#

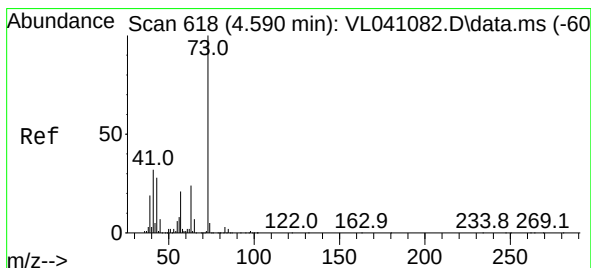
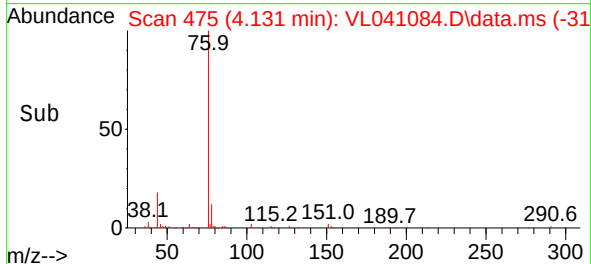
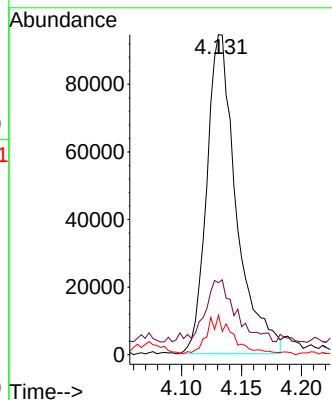
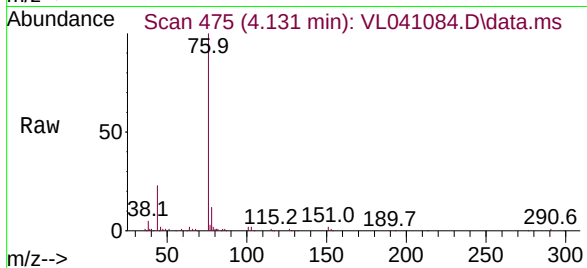




#27
Carbon Disulfide
Concen: 1.001 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

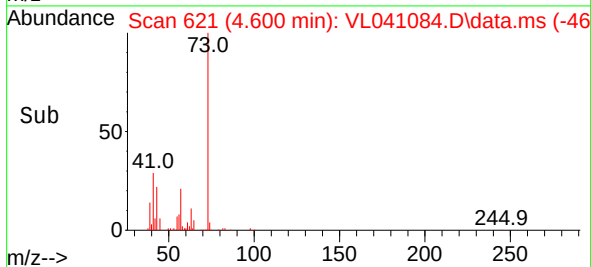
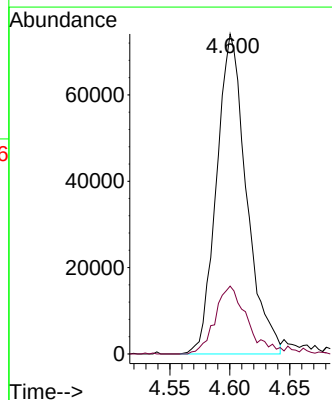
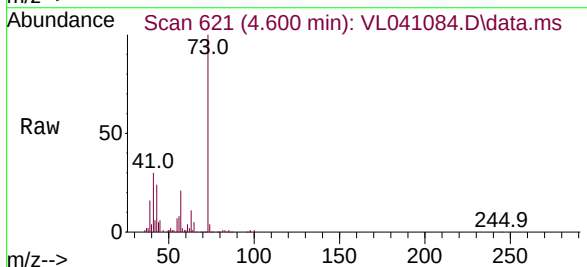
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

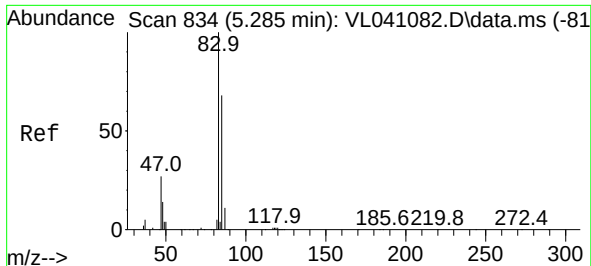
Tgt Ion: 76 Resp: 162336
Ion Ratio Lower Upper
76 100
44 26.7 16.0 24.0#
78 11.3 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 1.075 ppbv
RT: 4.600 min Scan# 621
Delta R.T. 0.010 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 73 Resp: 128599
Ion Ratio Lower Upper
73 100
57 23.9 18.2 27.4





#29

Chloroform

Concen: 1.062 ppbv

RT: 5.282 min Scan# 834

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

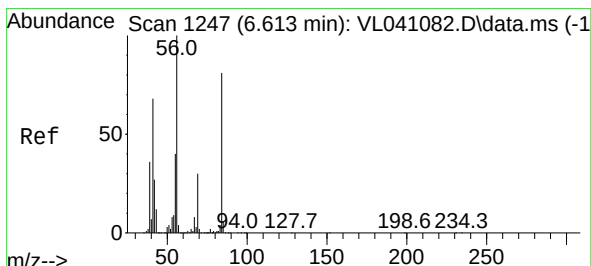
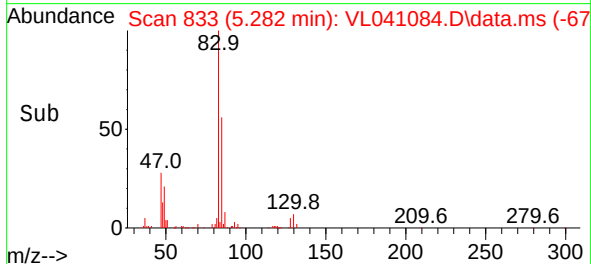
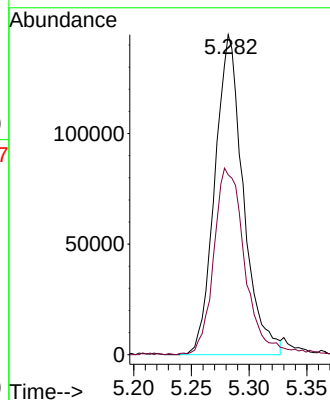
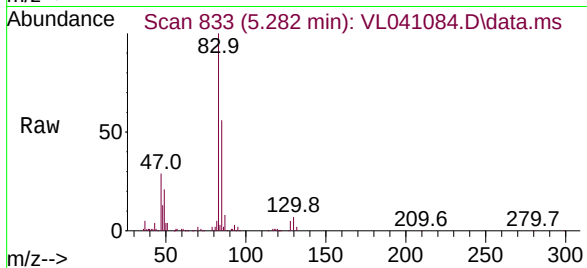
VSTDIC001

Tgt Ion: 83 Resp: 248014

Ion Ratio Lower Upper

83 100

85 55.8 54.6 82.0



#30

Cyclohexane

Concen: 0.972 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

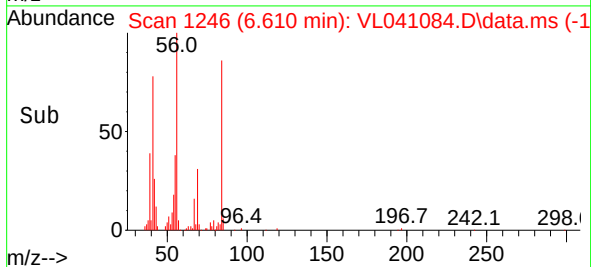
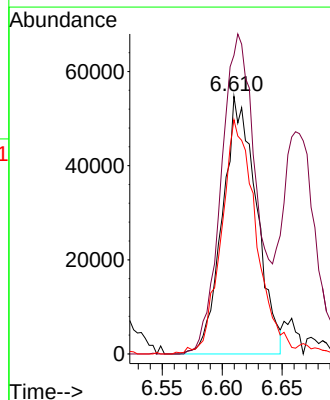
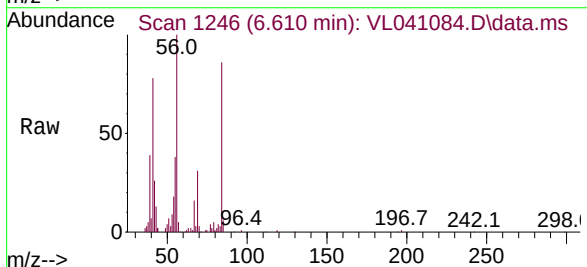
Tgt Ion: 84 Resp: 107935

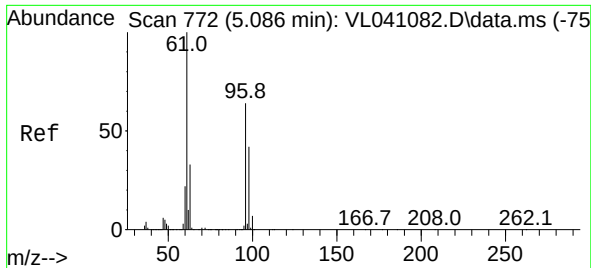
Ion Ratio Lower Upper

84 100

56 120.8 110.4 165.6

41 95.2 70.6 105.8

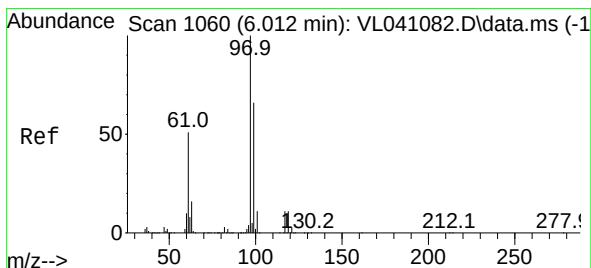
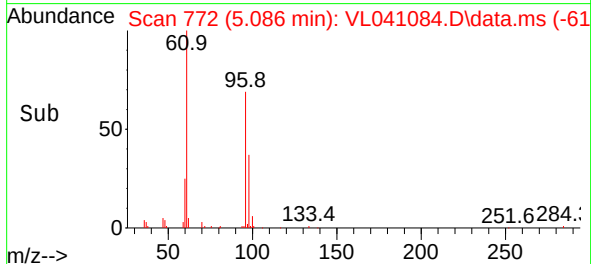
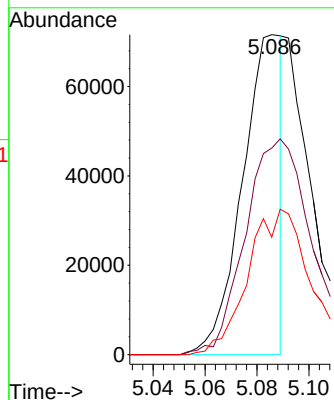
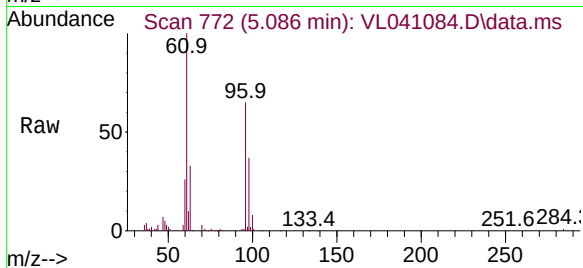




#31
 cis-1,2-Dichloroethene
 Concen: 0.576 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

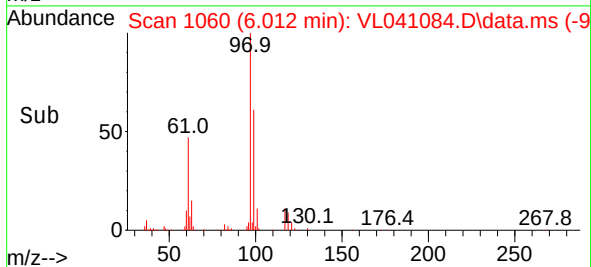
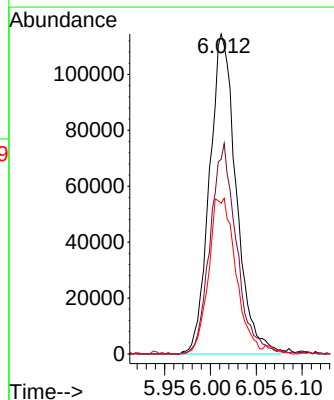
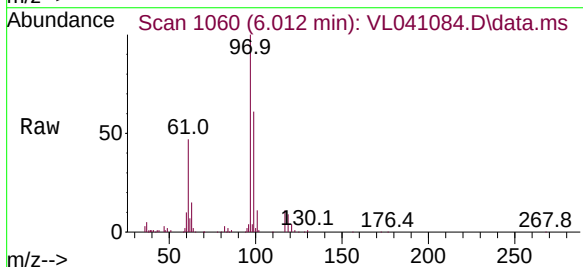
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

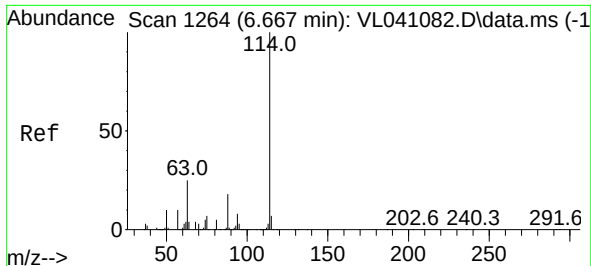
Tgt Ion: 61 Resp: 75731
 Ion Ratio Lower Upper
 61 100
 96 64.5 51.2 76.8
 98 36.7 33.4 50.0



#32
 1,1,1-Trichloroethane
 Concen: 1.110 ppbv
 RT: 6.012 min Scan# 1060
 Delta R.T. 0.000 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Tgt Ion: 97 Resp: 232090
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.4 78.6
 61 50.7 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: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

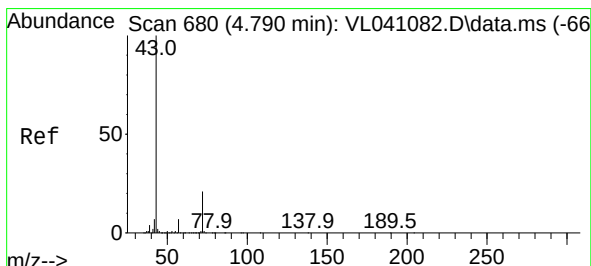
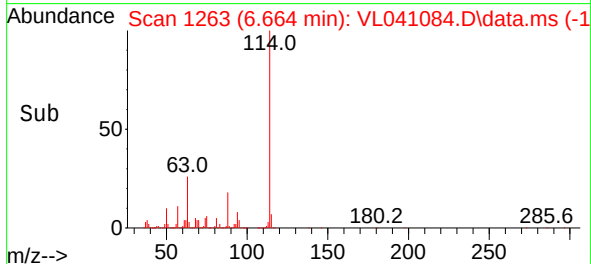
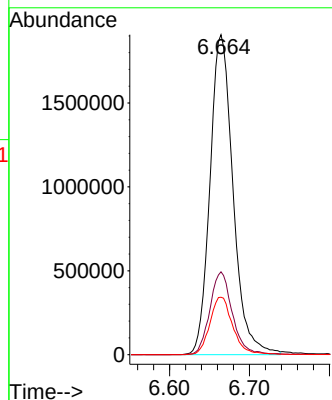
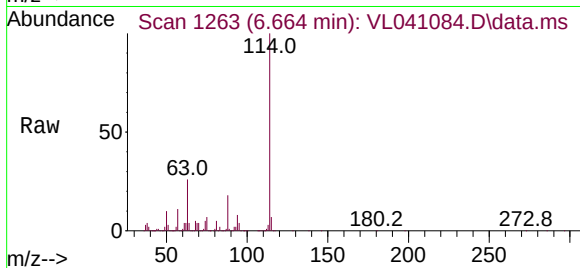
Tgt Ion:114 Resp: 3823500

Ion Ratio Lower Upper

114 100

63 25.4 21.0 31.6

88 18.0 14.6 22.0



#34

2-Butanone

Concen: 1.011 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.010 min

Lab File: VL041084.D

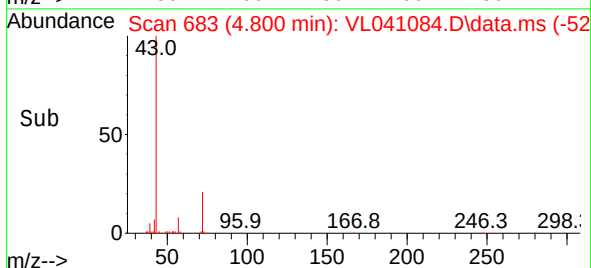
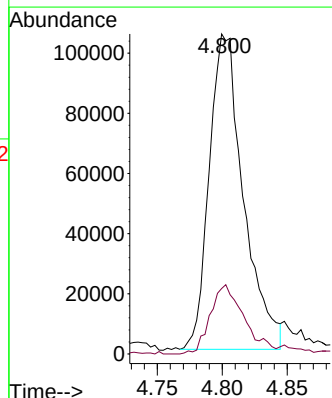
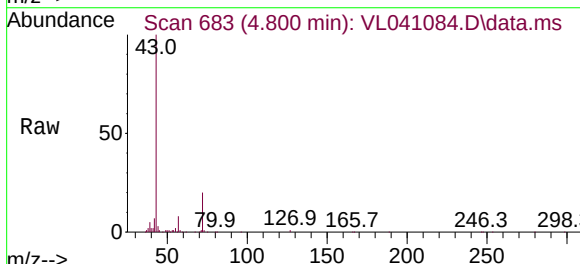
Acq: 11 Mar 2024 12:23

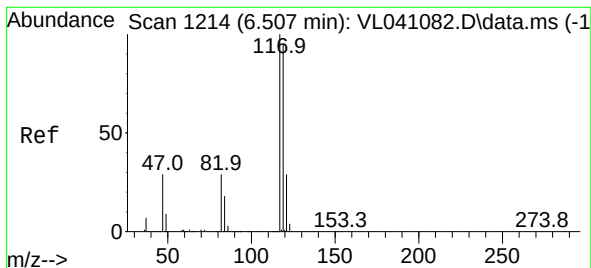
Tgt Ion: 43 Resp: 191837

Ion Ratio Lower Upper

43 100

72 24.2 17.4 26.0





#35

Carbon Tetrachloride

Concen: 1.070 ppbv

RT: 6.507 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

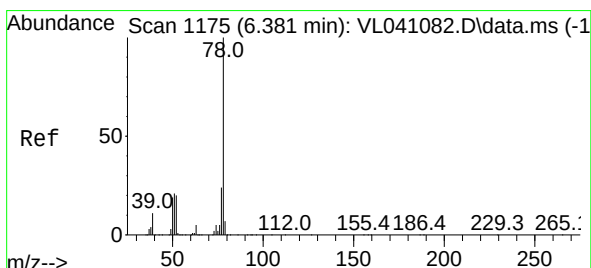
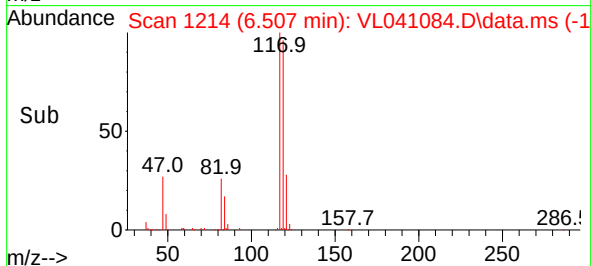
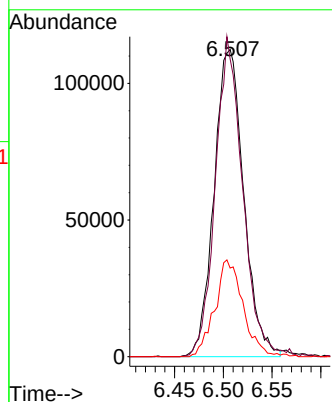
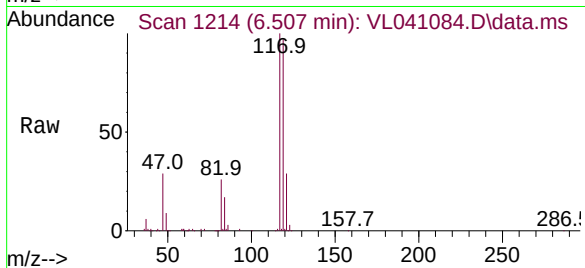
Tgt Ion:117 Resp: 238188

Ion Ratio Lower Upper

117 100

119 96.9 75.6 113.4

121 29.2 23.4 35.2



#36

Benzene

Concen: 1.021 ppbv

RT: 6.378 min Scan# 1174

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

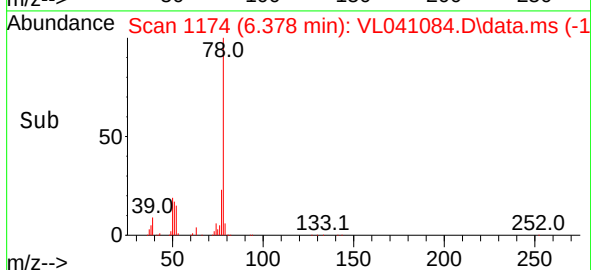
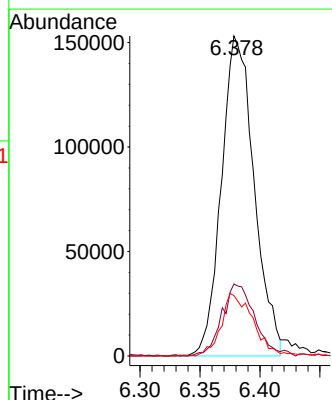
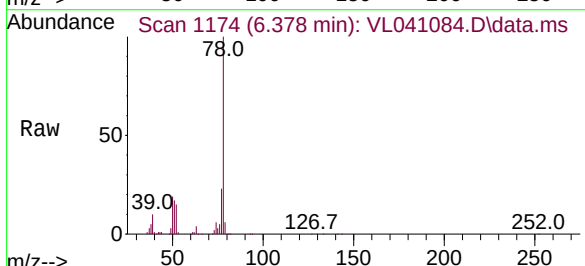
Tgt Ion: 78 Resp: 290585

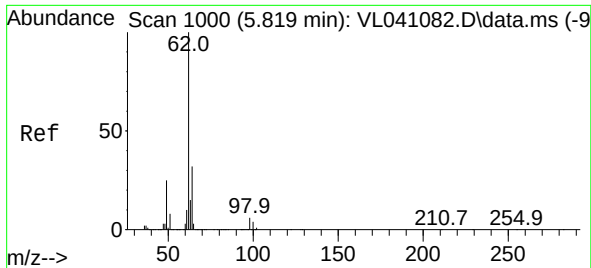
Ion Ratio Lower Upper

78 100

77 22.5 18.8 28.2

50 18.6 15.5 23.3

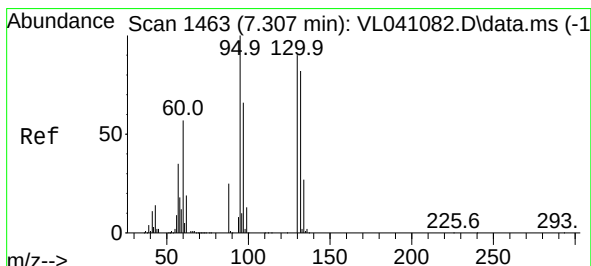
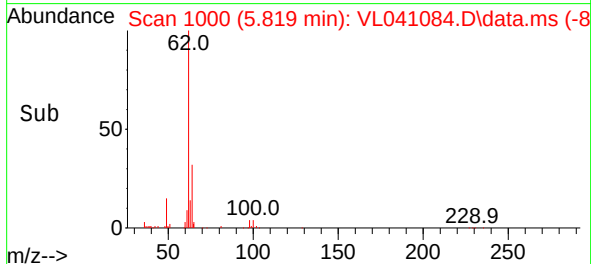
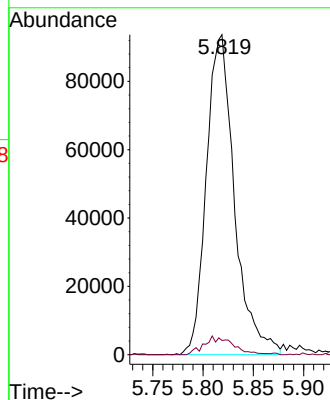
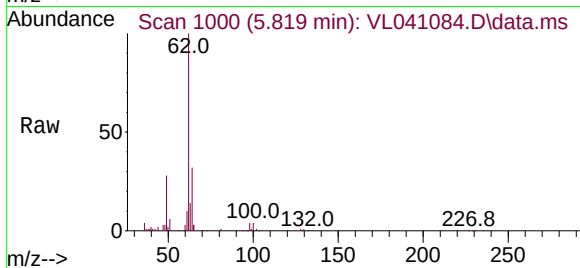




#37
1,2-Dichloroethane
Concen: 1.063 ppbv
RT: 5.819 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

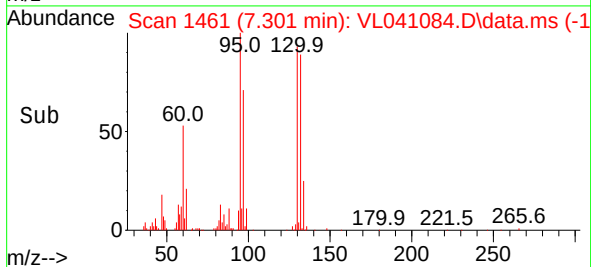
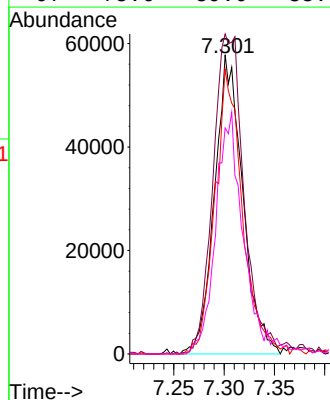
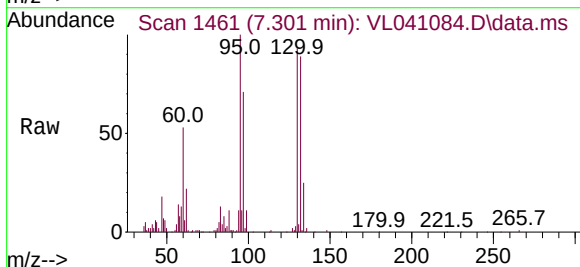
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

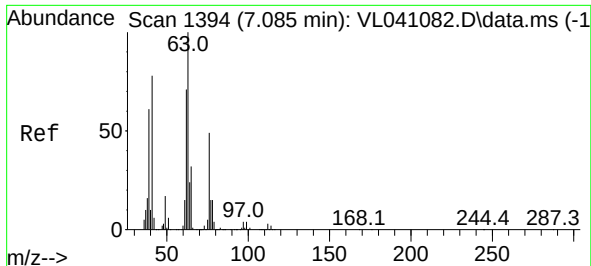
Tgt Ion: 62 Resp: 182043
Ion Ratio Lower Upper
62 100
98 6.1 4.6 6.8



#38
Trichloroethene
Concen: 1.060 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion:130 Resp: 112573
Ion Ratio Lower Upper
130 100
95 107.0 88.8 133.2
132 95.1 73.0 109.4
97 75.6 59.0 88.4





#39

1,2-Dichloropropane

Concen: 1.025 ppbv

RT: 7.086 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

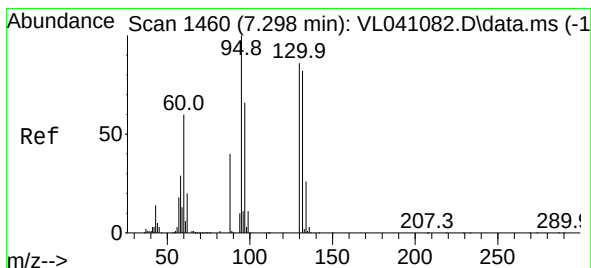
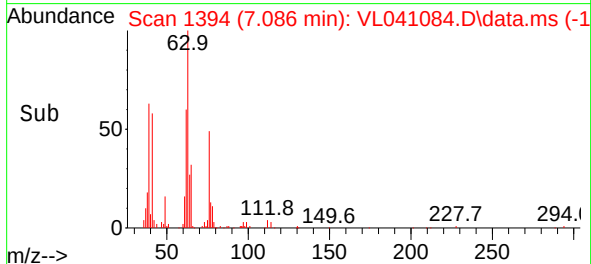
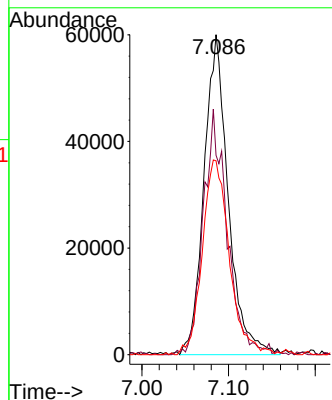
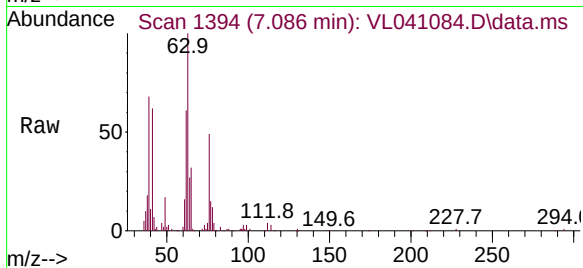
Tgt Ion: 63 Resp: 116598

Ion Ratio Lower Upper

63 100

41 61.9 62.2 93.4#

62 60.2 57.0 85.4



#40

1,4-Dioxane

Concen: 0.016 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. -0.013 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Tgt Ion: 88 Resp: 736

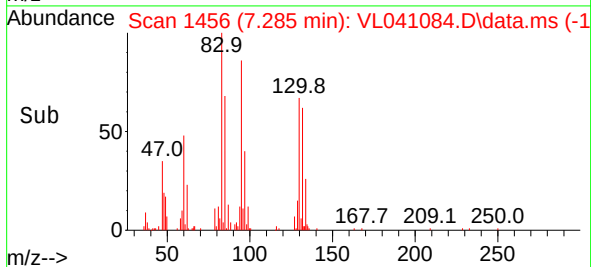
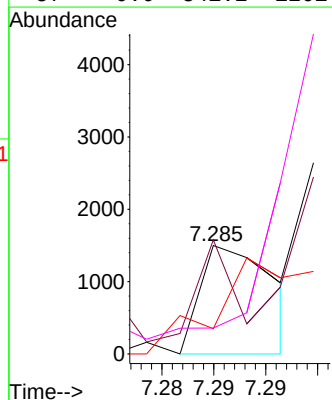
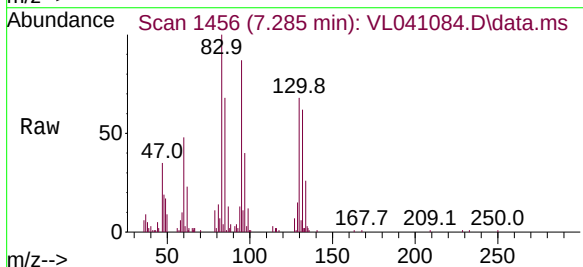
Ion Ratio Lower Upper

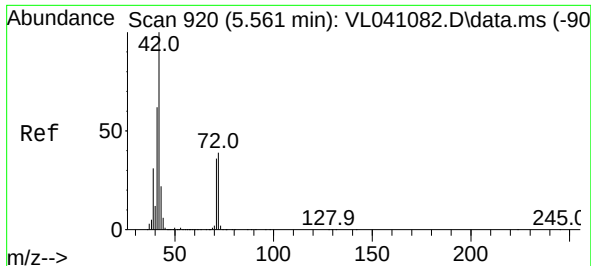
88 100

58 0.0 96.3 144.5#

43 0.0 195.7 293.5#

57 0.0 841.2 1261.8#





#41

Tetrahydrofuran

Concen: 0.958 ppbv

RT: 5.584 min Scan# 91

Delta R.T. 0.023 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

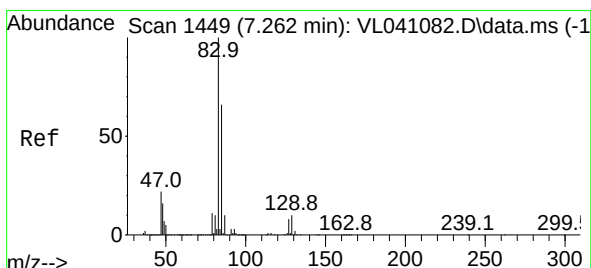
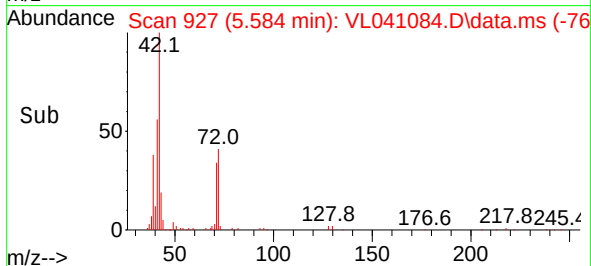
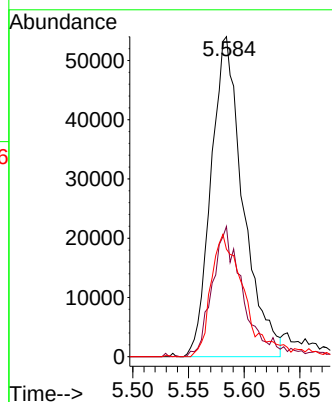
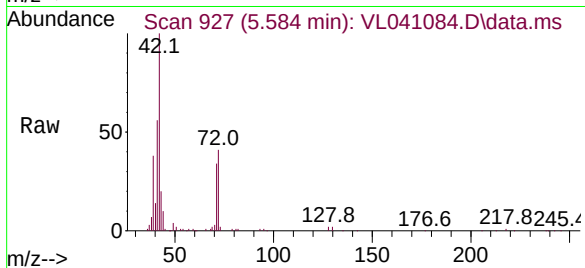
Tgt Ion: 42 Resp: 107882

Ion Ratio Lower Upper

42 100

72 41.1 30.7 46.1

71 42.1 29.6 44.4



#42

Bromodichloromethane

Concen: 1.000 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

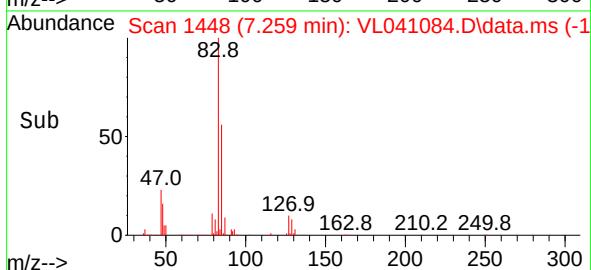
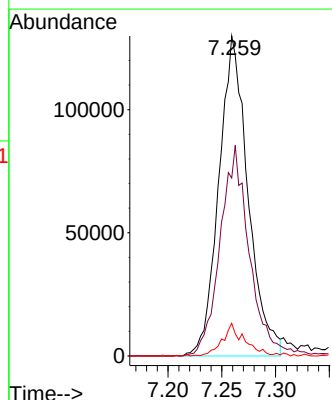
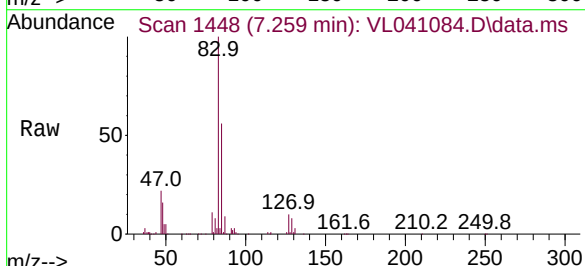
Tgt Ion: 83 Resp: 245198

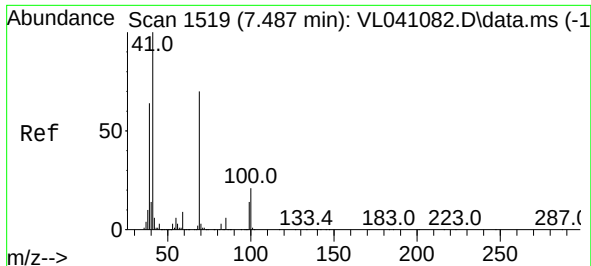
Ion Ratio Lower Upper

83 100

85 55.6 53.1 79.7

127 10.2 6.2 9.4





#43

Methyl Methacrylate

Concen: 0.993 ppbv

RT: 7.491 min Scan# 1519

Delta R.T. 0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

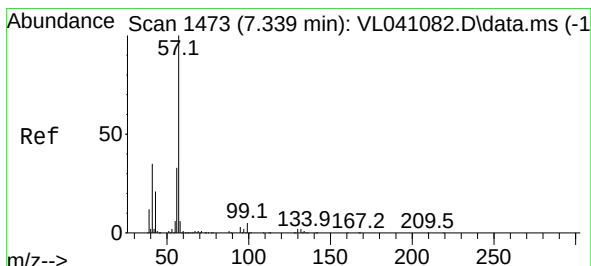
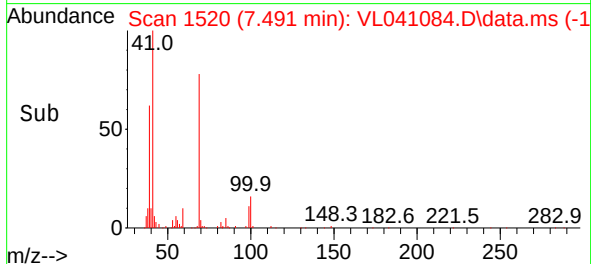
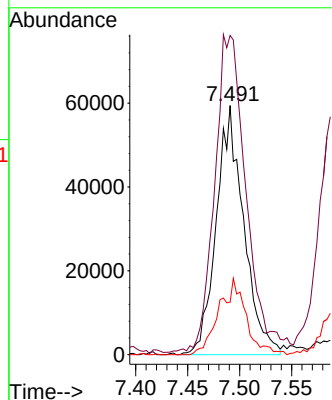
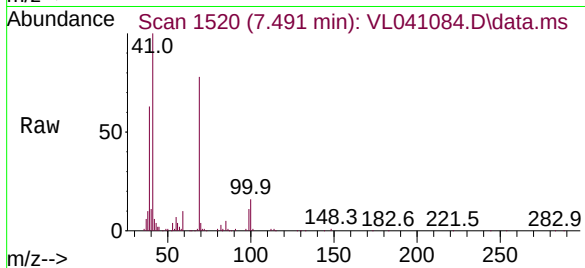
Tgt Ion: 69 Resp: 109156

Ion Ratio Lower Upper

69 100

41 148.5 118.2 177.4

100 30.3 24.8 37.2



#44

2,2,4-Trimethylpentane

Concen: 1.035 ppbv

RT: 7.336 min Scan# 1472

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

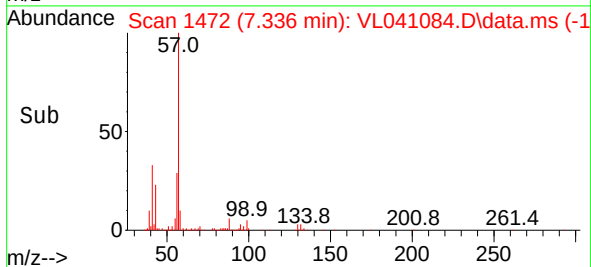
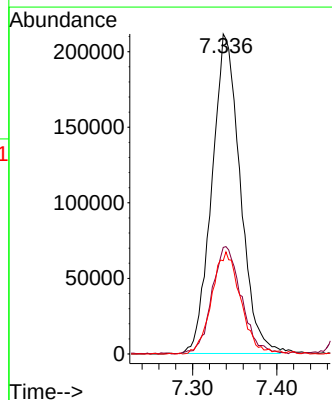
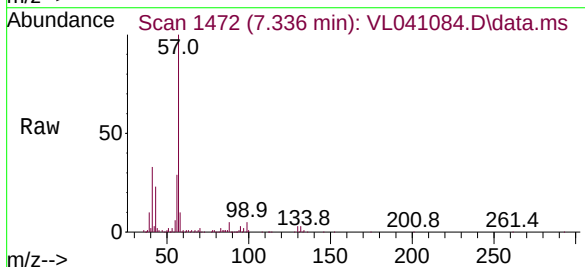
Tgt Ion: 57 Resp: 492404

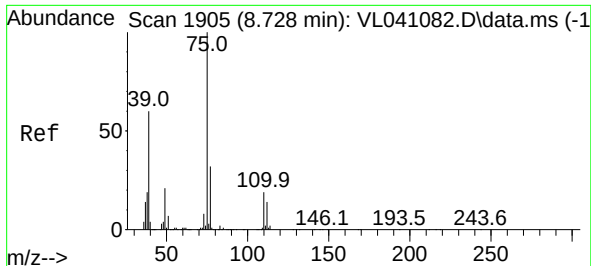
Ion Ratio Lower Upper

57 100

41 35.2 28.0 42.0

56 33.1 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 0.799 ppbv

RT: 8.719 min Scan# 1905

Delta R.T. -0.010 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

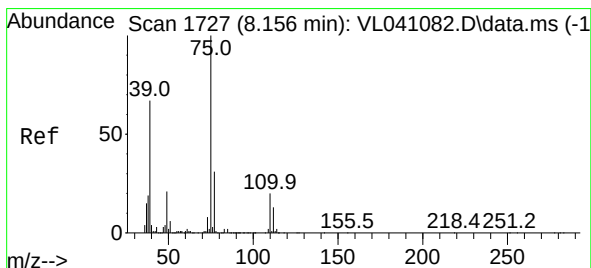
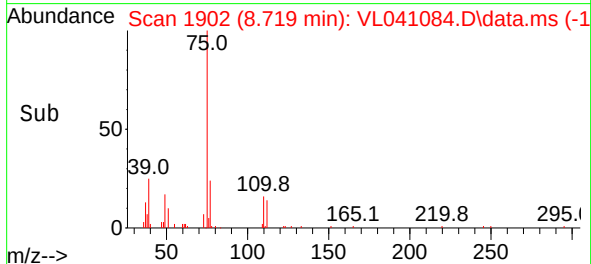
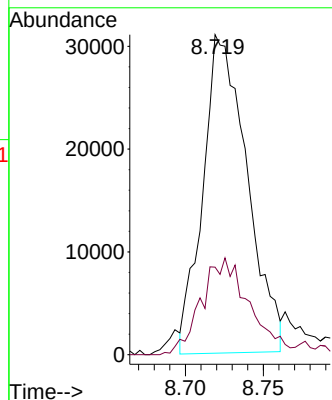
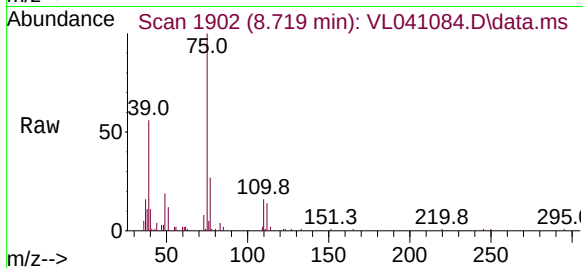
VSTDIC001

Tgt Ion: 75 Resp: 60986

Ion Ratio Lower Upper

75 100

77 28.6 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 0.883 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

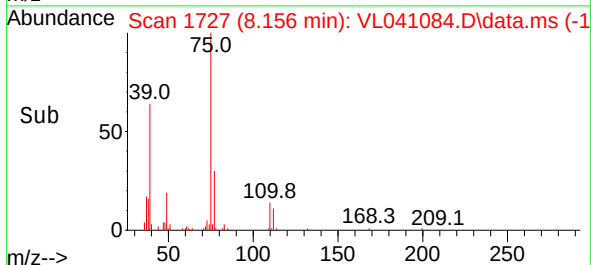
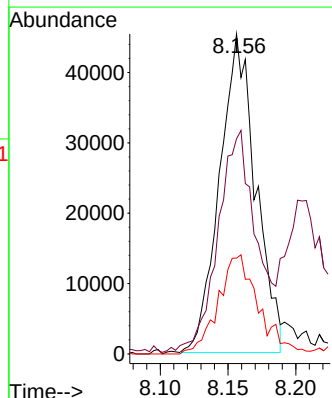
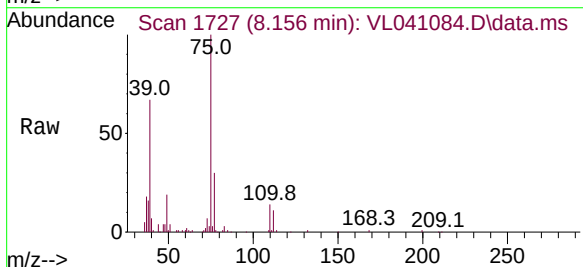
Tgt Ion: 75 Resp: 83983

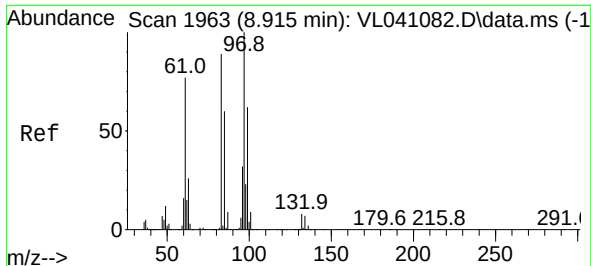
Ion Ratio Lower Upper

75 100

39 64.9 53.3 79.9

77 30.1 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 0.964 ppbv

RT: 8.905 min Scan# 1963

Delta R.T. -0.009 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 117317

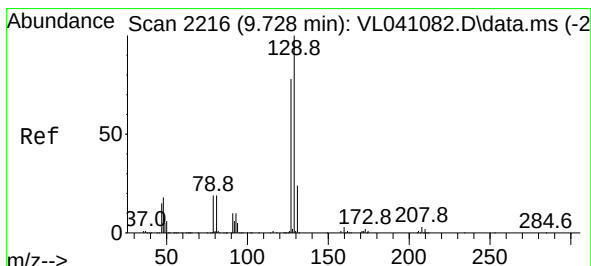
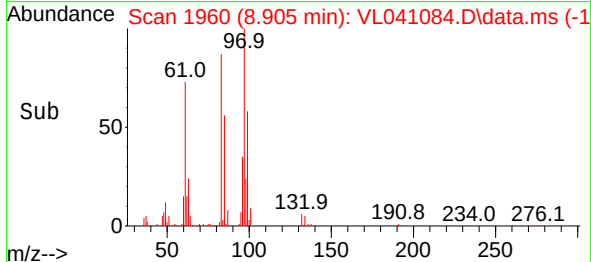
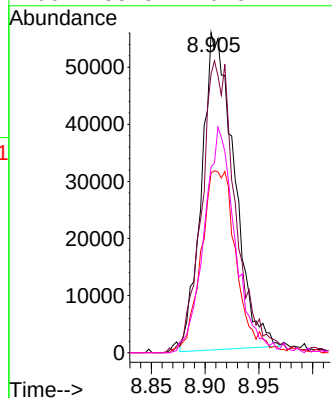
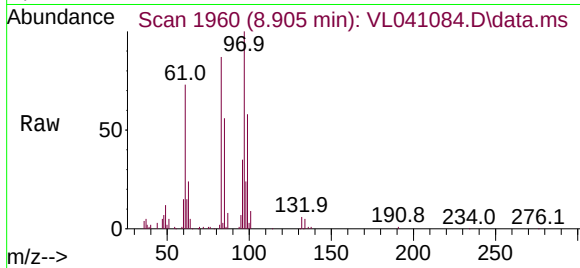
Ion Ratio Lower Upper

97 100

83 86.9 71.1 106.7

85 56.7 48.2 72.2

99 58.3 49.5 74.3



#48

Dibromochloromethane

Concen: 0.972 ppbv

RT: 9.722 min Scan# 2214

Delta R.T. -0.006 min

Lab File: VL041084.D

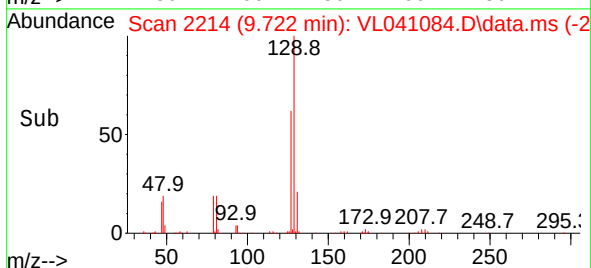
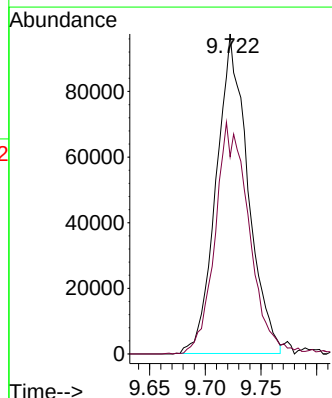
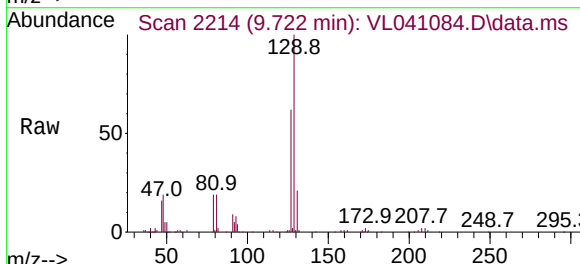
Acq: 11 Mar 2024 12:23

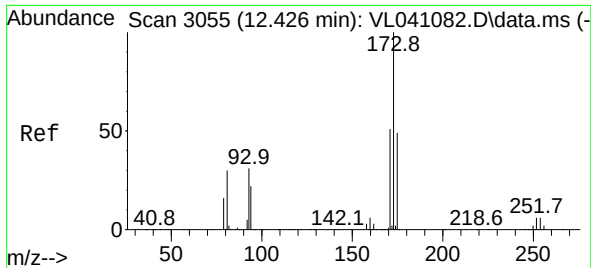
Tgt Ion: 129 Resp: 192702

Ion Ratio Lower Upper

129 100

127 78.7 39.6 118.8

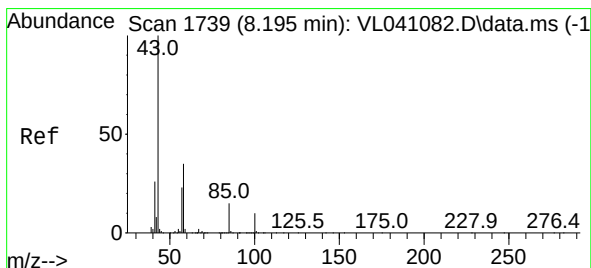
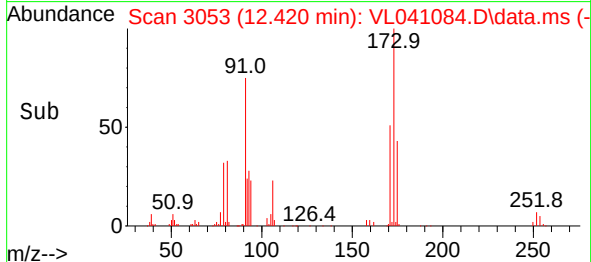
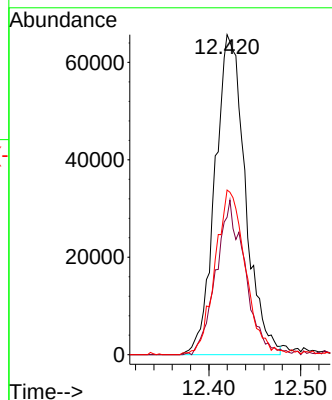
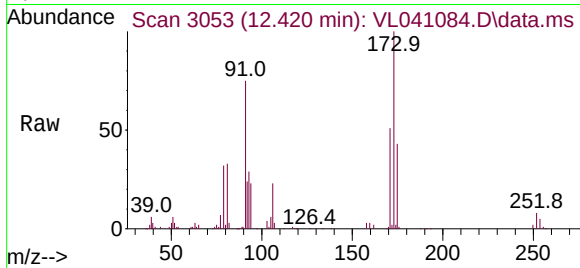




#49
Bromoform
Concen: 0.953 ppbv
RT: 12.420 min Scan# 3053
Delta R.T. -0.006 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

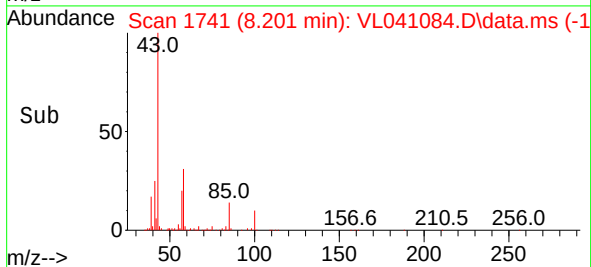
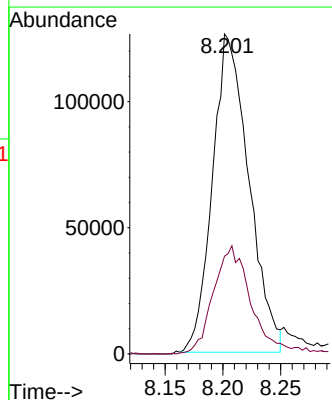
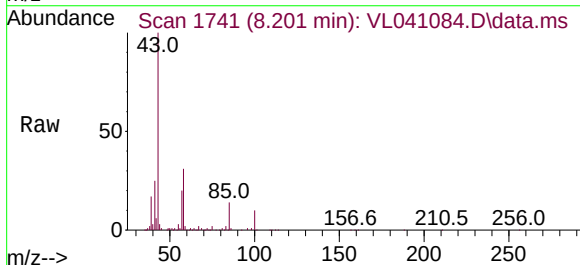
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

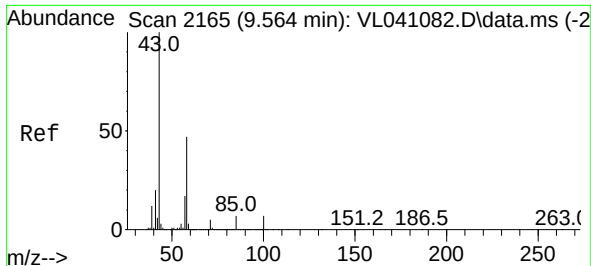
Tgt Ion:173 Resp: 150115
Ion Ratio Lower Upper
173 100
175 46.7 39.0 58.6
171 52.8 41.8 62.8



#50
4-Methyl-2-Pentanone
Concen: 0.987 ppbv
RT: 8.201 min Scan# 1741
Delta R.T. 0.007 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 43 Resp: 275650
Ion Ratio Lower Upper
43 100
58 36.0 28.3 42.5

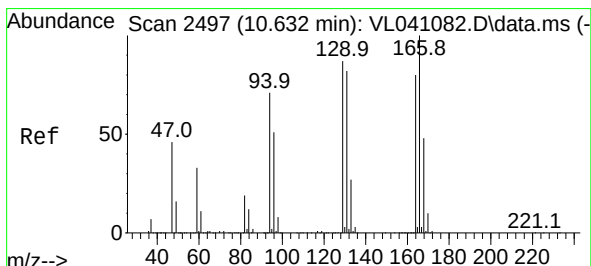
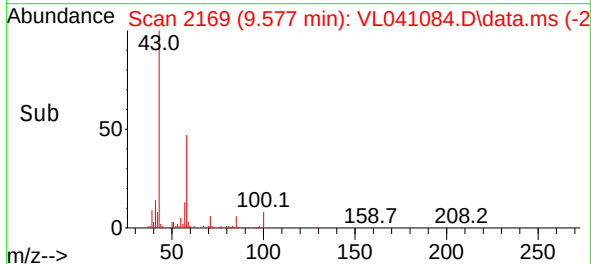
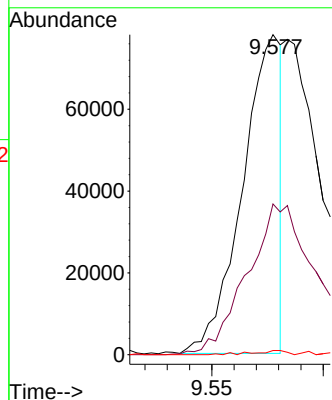
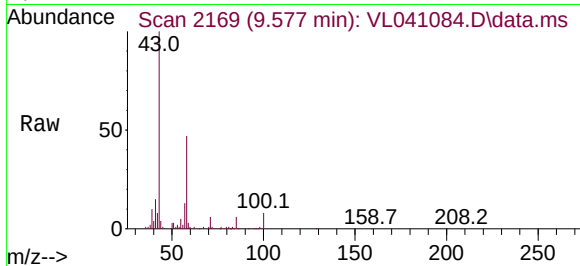




#51
2-Hexanone
Concen: 0.459 ppbv
RT: 9.577 min Scan# 2165
Delta R.T. 0.013 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

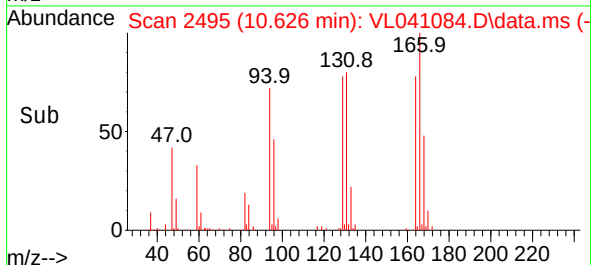
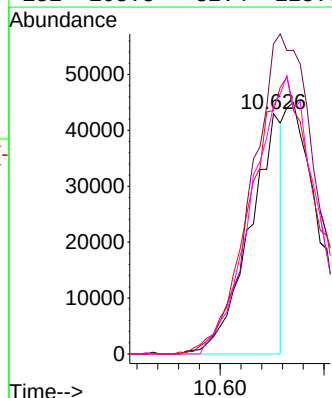
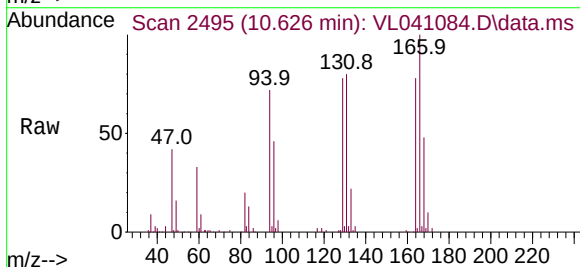
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

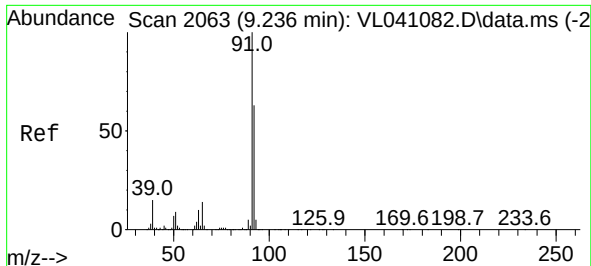
Tgt Ion: 43 Resp: 94867
Ion Ratio Lower Upper
43 100
58 98.8 37.4 56.2#
98 1.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.523 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. -0.006 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion:164 Resp: 46298
Ion Ratio Lower Upper
164 100
166 128.9 100.6 150.8
129 100.4 87.2 130.8
131 103.3 82.4 123.6





#53

Toluene

Concen: 0.978 ppbv

RT: 9.233 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

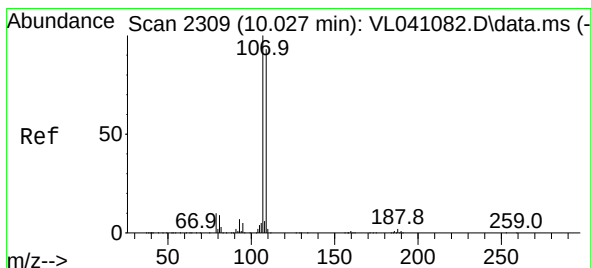
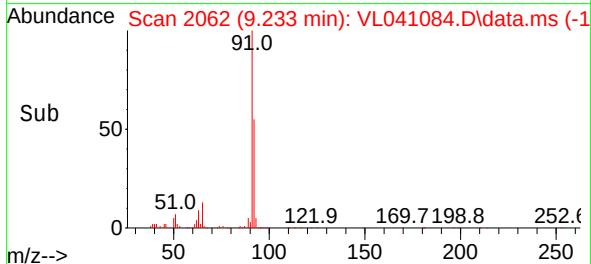
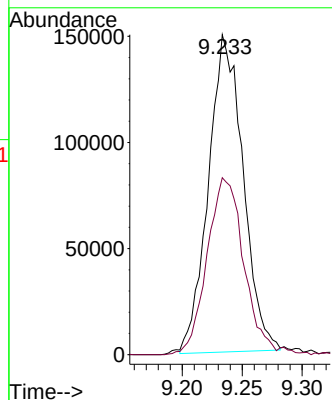
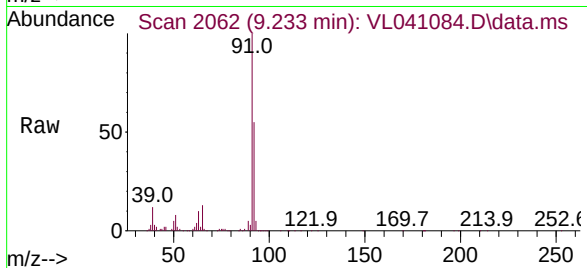
VSTDIC001

Tgt Ion: 91 Resp: 299979

Ion Ratio Lower Upper

91 100

92 60.2 48.9 73.3



#54

1,2-Dibromoethane

Concen: 1.005 ppbv

RT: 10.024 min Scan# 2308

Delta R.T. -0.003 min

Lab File: VL041084.D

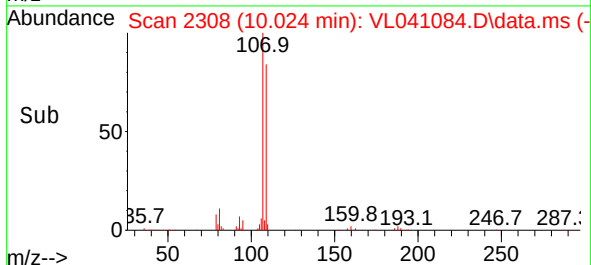
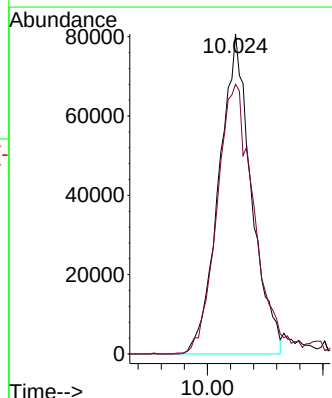
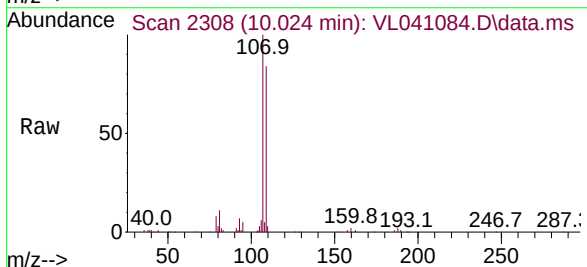
Acq: 11 Mar 2024 12:23

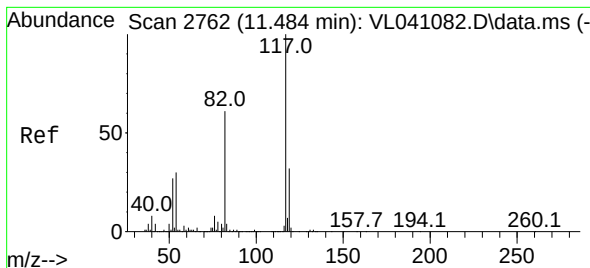
Tgt Ion: 107 Resp: 156875

Ion Ratio Lower Upper

107 100

109 84.0 74.4 111.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 2762

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

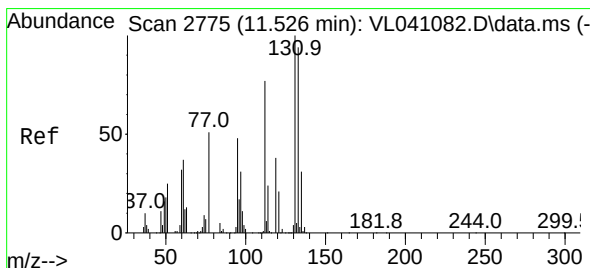
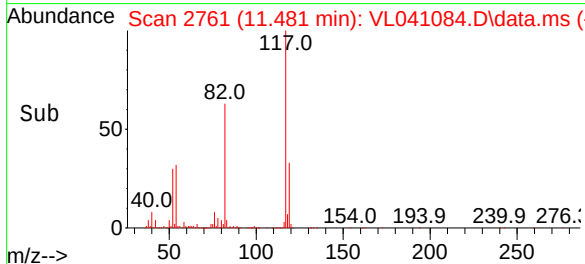
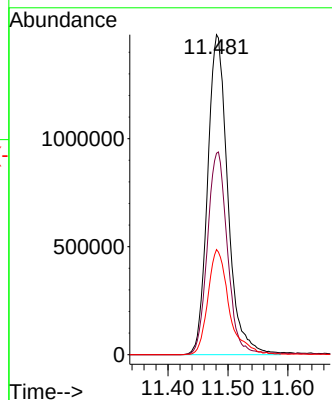
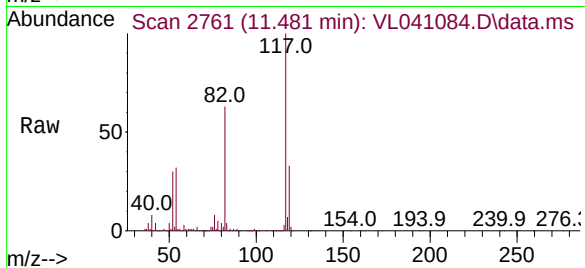
Tgt Ion:117 Resp: 3470488

Ion Ratio Lower Upper

117 100

82 63.6 51.4 77.2

119 34.8 23.7 35.5



#56

1,1,1,2-Tetrachloroethane

Concen: 1.058 ppbv

RT: 11.523 min Scan# 2774

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

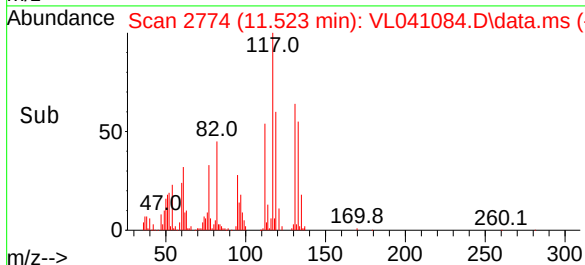
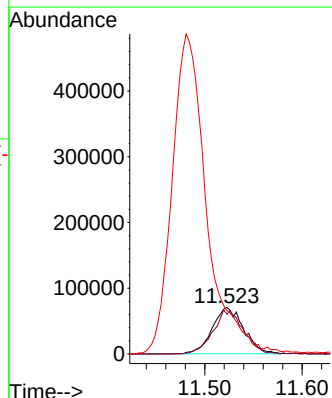
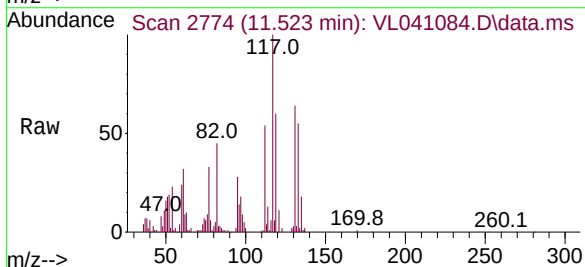
Tgt Ion:131 Resp: 157264

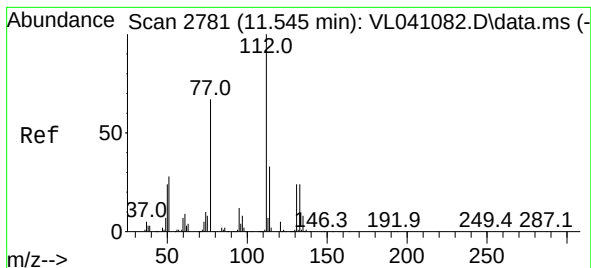
Ion Ratio Lower Upper

131 100

133 92.4 76.1 114.1

119 767.2 51.1 76.7#





#57

Chlorobenzene

Concen: 1.050 ppbv

RT: 11.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

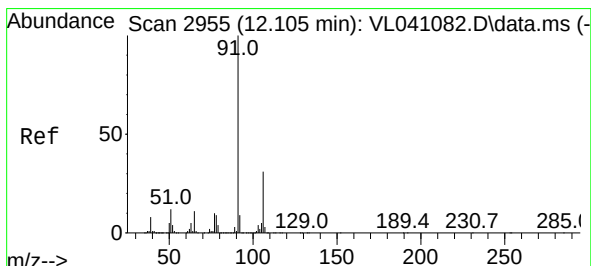
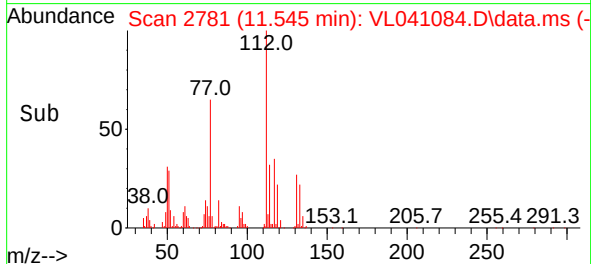
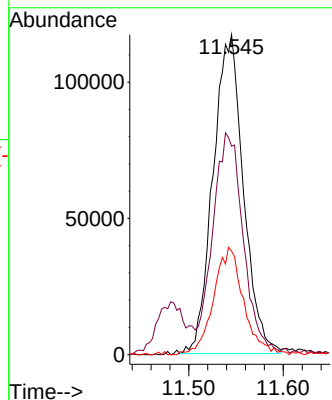
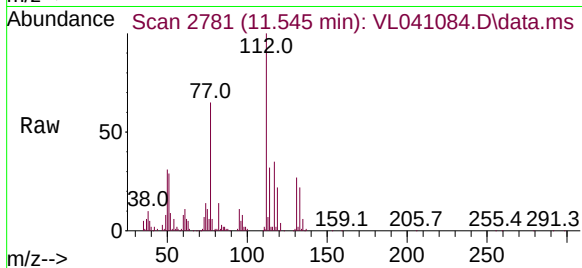
Tgt Ion:112 Resp: 260882

Ion Ratio Lower Upper

112 100

77 64.3 54.6 81.8

114 31.5 29.4 36.0



#58

Ethyl Benzene

Concen: 1.034 ppbv

RT: 12.105 min Scan# 2955

Delta R.T. 0.000 min

Lab File: VL041084.D

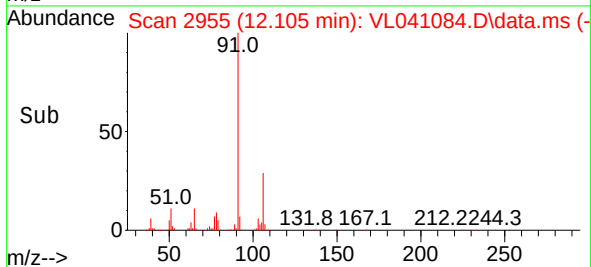
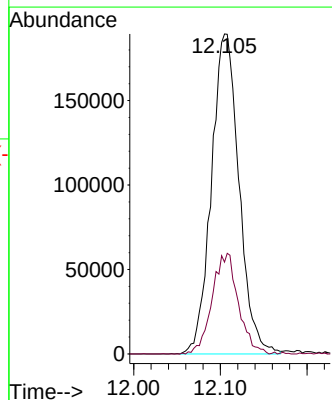
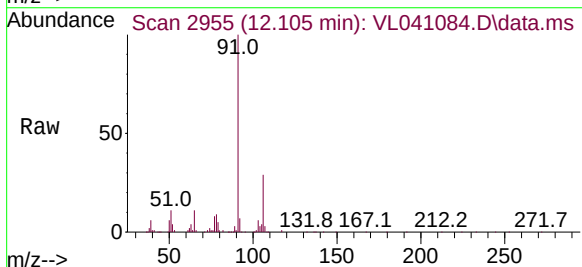
Acq: 11 Mar 2024 12:23

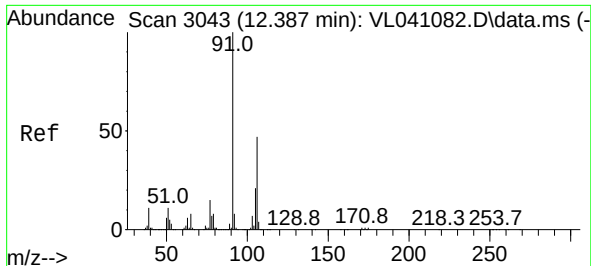
Tgt Ion: 91 Resp: 420299

Ion Ratio Lower Upper

91 100

106 28.7 24.6 36.8





#59

m/p-Xylene

Concen: 0.290 ppbv

RT: 12.384 min Scan# 3042

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

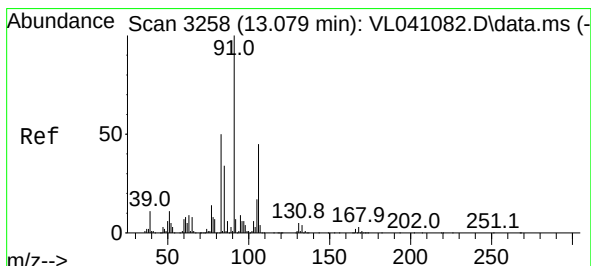
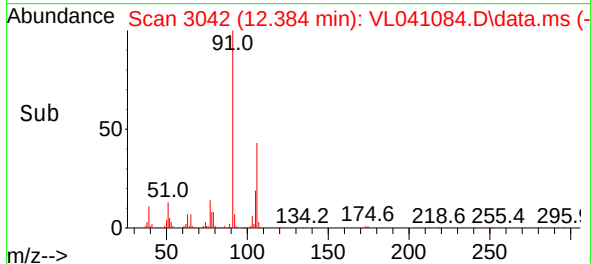
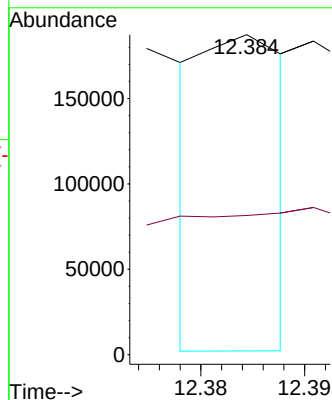
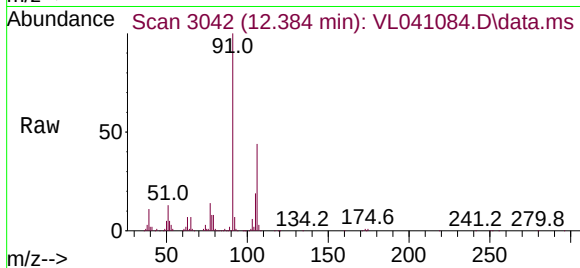
VSTDIC001

Tgt Ion: 91 Resp: 103559

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#



#60

o-Xylene

Concen: 1.033 ppbv

RT: 13.076 min Scan# 3257

Delta R.T. -0.003 min

Lab File: VL041084.D

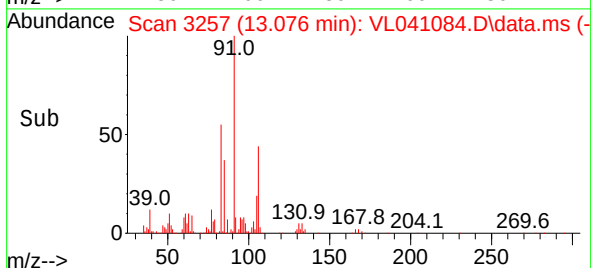
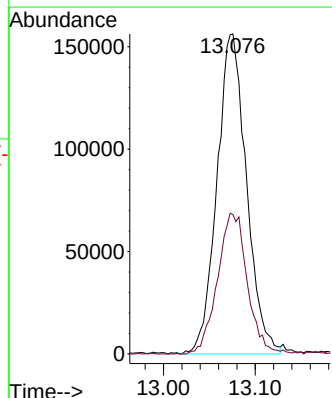
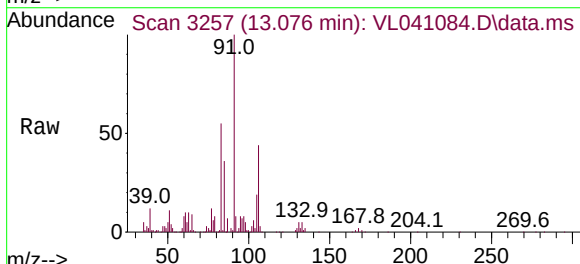
Acq: 11 Mar 2024 12:23

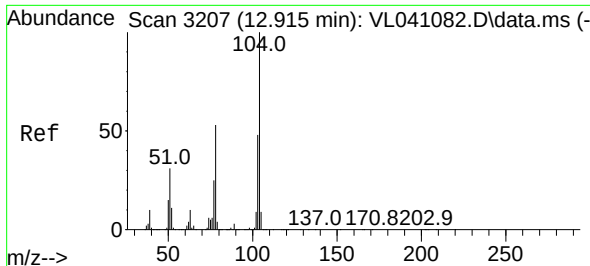
Tgt Ion: 91 Resp: 349454

Ion Ratio Lower Upper

91 100

106 44.6 22.4 67.3

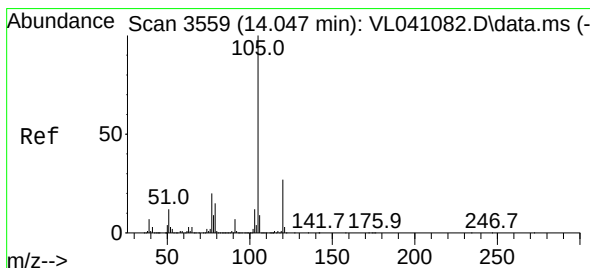
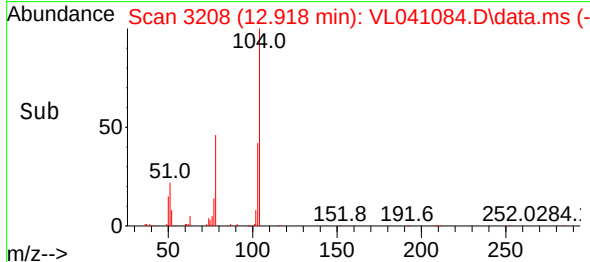
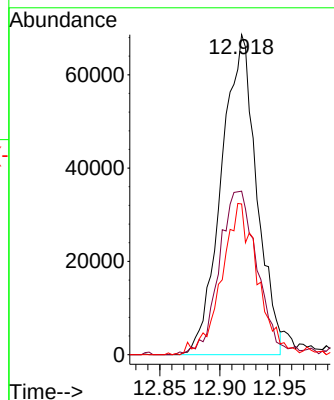
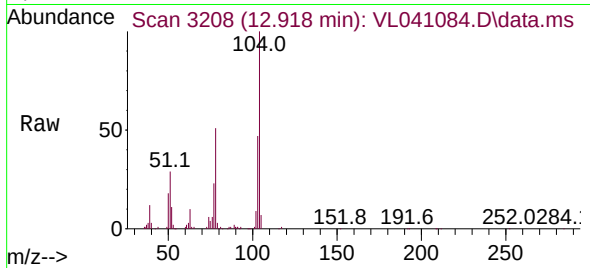




#61
Styrene
Concen: 0.909 ppbv
RT: 12.918 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

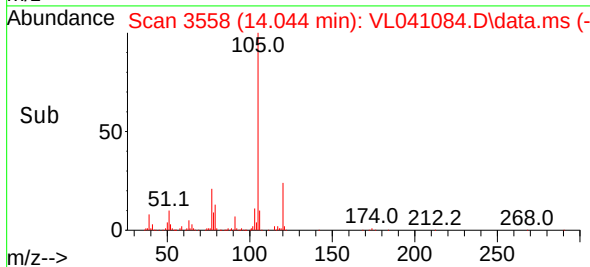
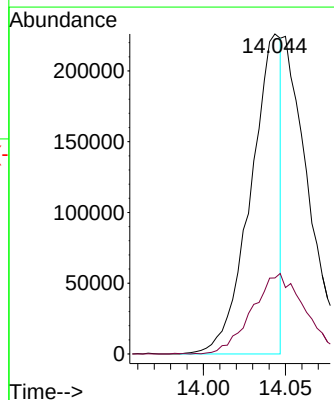
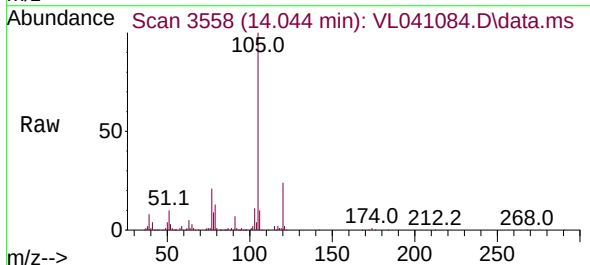
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

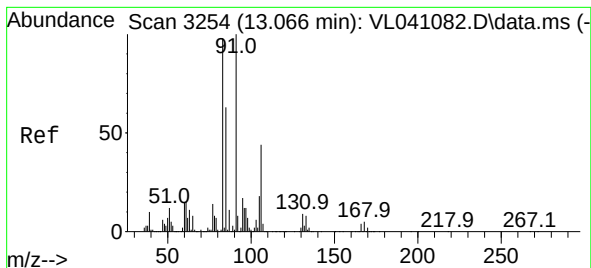
Tgt Ion:104 Resp: 140215
Ion Ratio Lower Upper
104 100
78 56.6 42.6 64.0
103 48.8 37.3 55.9



#62
Isopropylbenzene
Concen: 0.580 ppbv
RT: 14.044 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion:105 Resp: 291832
Ion Ratio Lower Upper
105 100
120 0.0 20.5 30.7#





#63

1,1,2,2-Tetrachloroethane

Concen: 1.073 ppbv

RT: 13.066 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

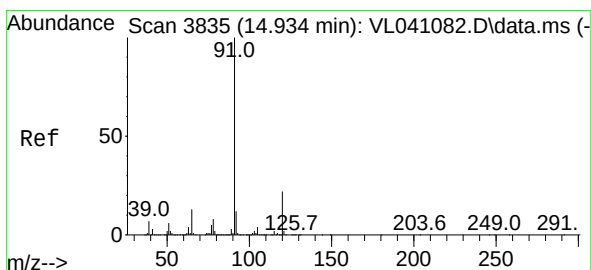
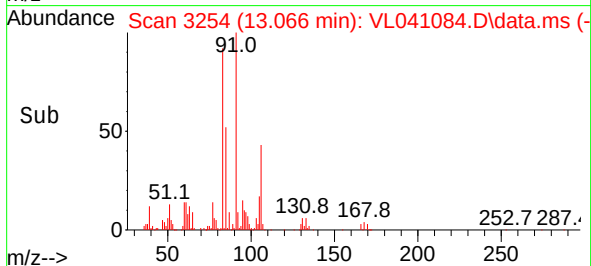
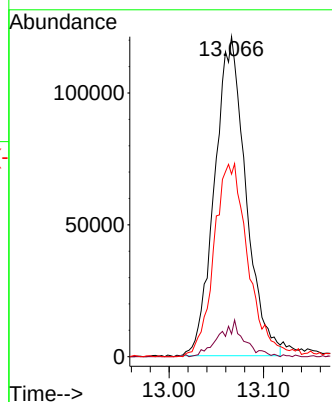
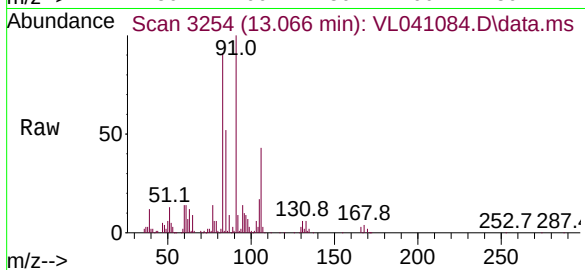
Tgt Ion: 83 Resp: 277284

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.0

85 67.6 32.7 98.1



#64

n-propylbenzene

Concen: 1.015 ppbv

RT: 14.931 min Scan# 3834

Delta R.T. -0.003 min

Lab File: VL041084.D

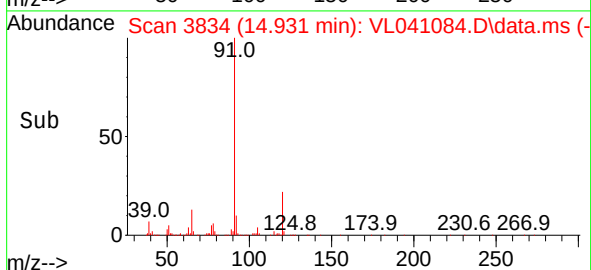
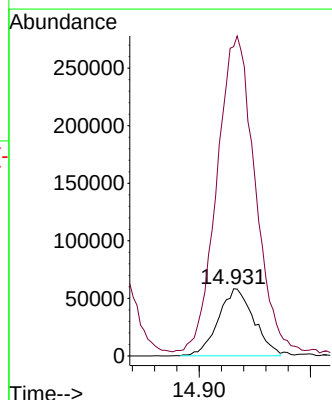
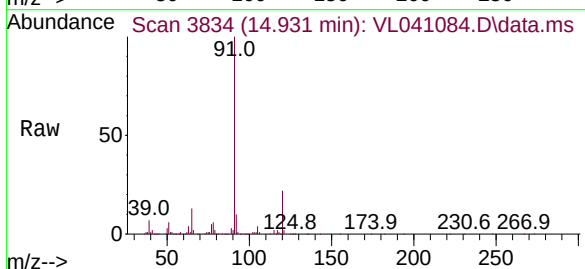
Acq: 11 Mar 2024 12:23

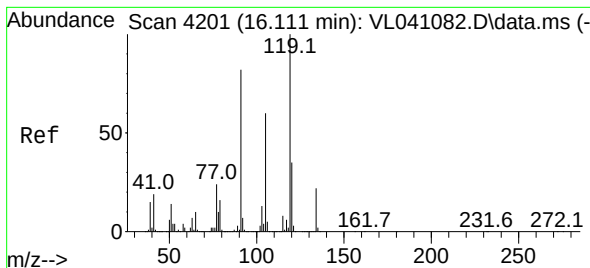
Tgt Ion:120 Resp: 128731

Ion Ratio Lower Upper

120 100

91 525.3 387.5 581.3





#65

tert-Butylbenzene

Concen: 1.055 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. -0.006 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

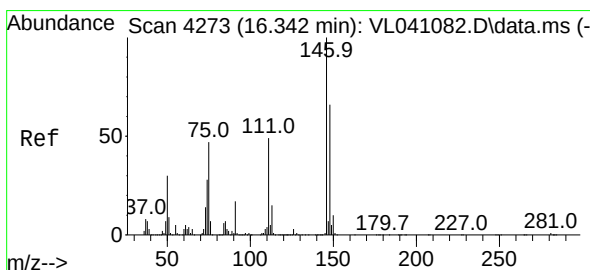
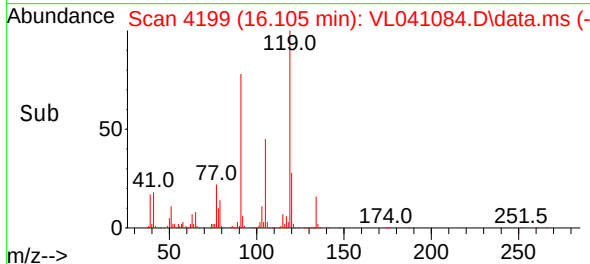
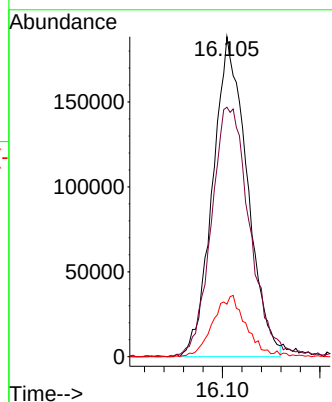
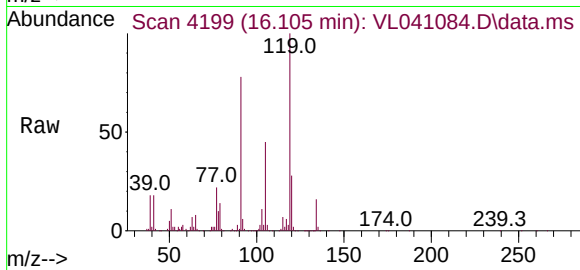
Tgt Ion:119 Resp: 460747

Ion Ratio Lower Upper

119 100

91 87.9 67.8 101.8

134 18.9 16.2 24.2



#66

Benzyl Chloride

Concen: 0.234 ppbv

RT: 16.336 min Scan# 4271

Delta R.T. -0.006 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

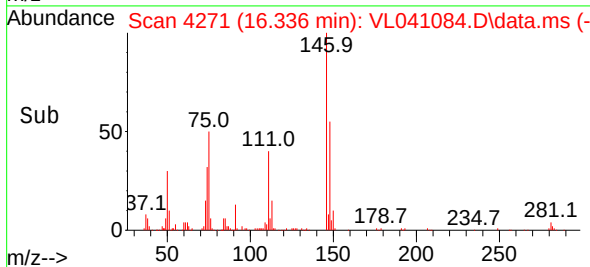
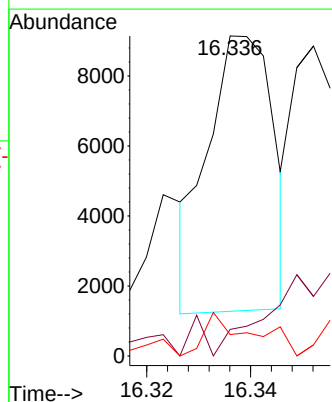
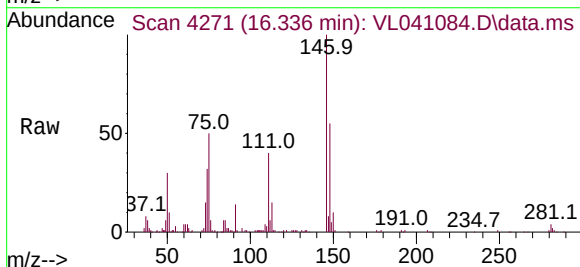
Tgt Ion: 91 Resp: 6884

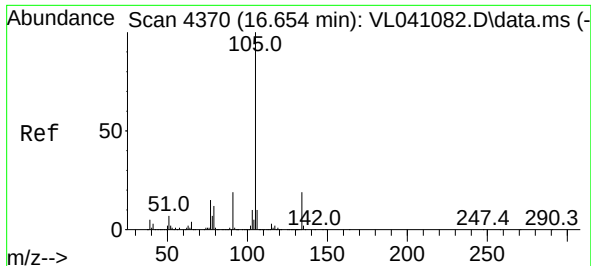
Ion Ratio Lower Upper

91 100

126 0.0 14.1 21.1#

128 20.1 4.6 7.0#

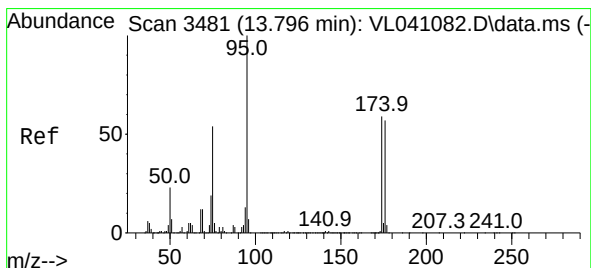
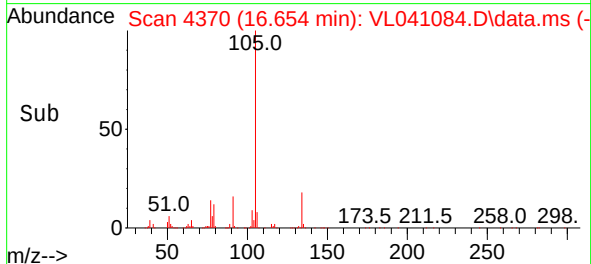
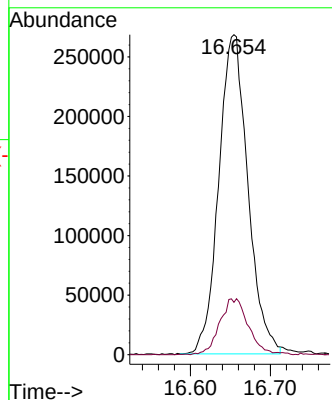
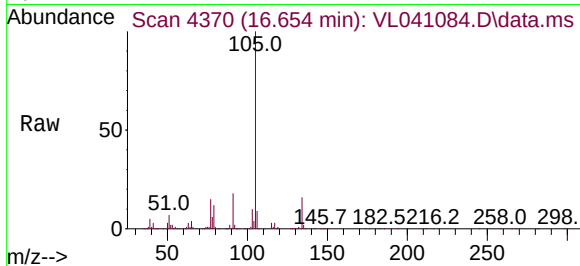




#67
 sec-Butylbenzene
 Concen: 1.077 ppbv
 RT: 16.654 min Scan# 4370
 Delta R.T. 0.000 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

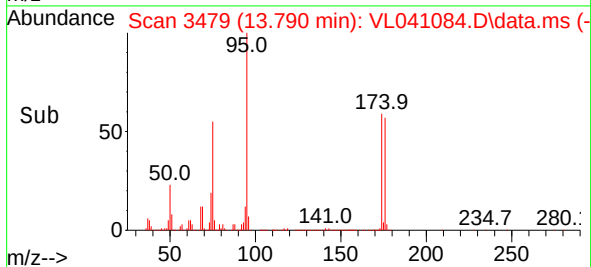
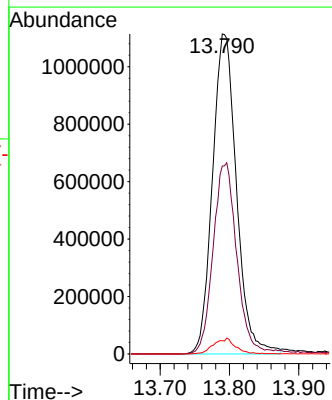
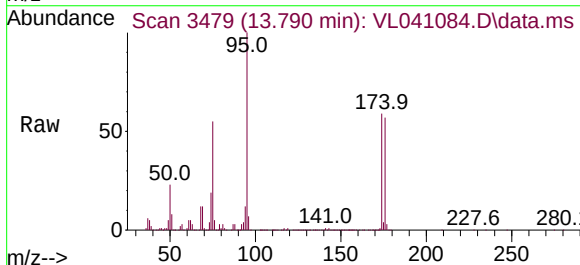
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

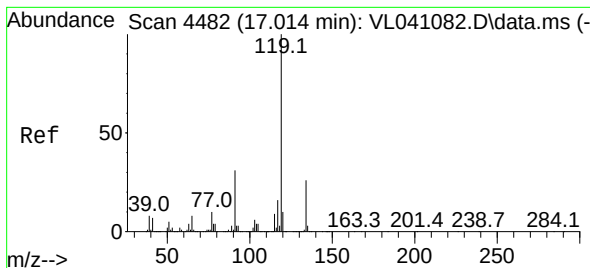
Tgt Ion:105 Resp: 677036
 Ion Ratio Lower Upper
 105 100
 134 17.4 14.3 21.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.893 ppbv
 RT: 13.790 min Scan# 3479
 Delta R.T. -0.006 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Tgt Ion: 95 Resp: 2684467
 Ion Ratio Lower Upper
 95 100
 174 59.2 47.8 71.8
 175 4.5 3.5 5.3





#69

p-Isopropyltoluene

Concen: 1.052 ppbv

RT: 17.011 min Scan# 4481

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

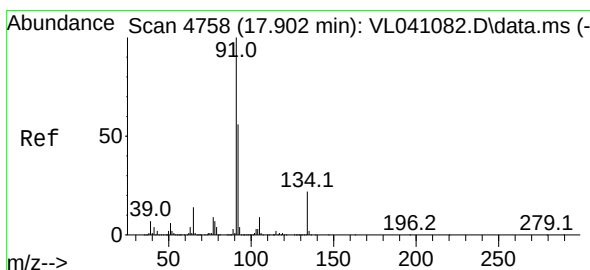
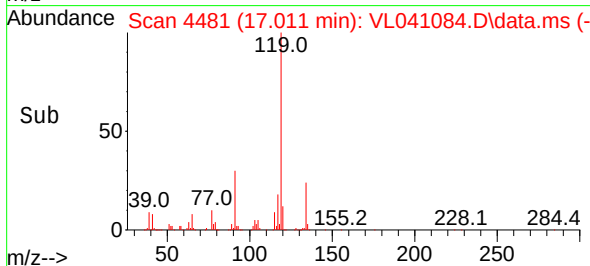
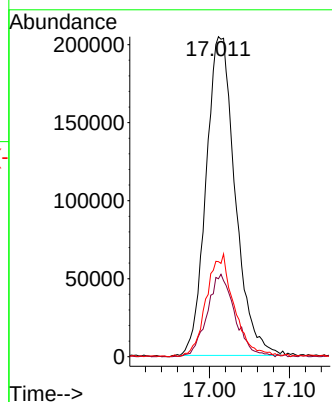
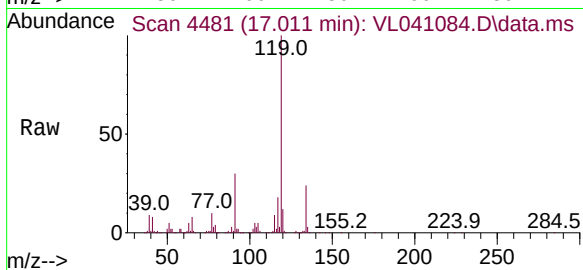
Tgt Ion:119 Resp: 516253

Ion Ratio Lower Upper

119 100

134 24.9 20.6 30.8

91 30.6 24.7 37.1



#70

n-Butylbenzene

Concen: 1.062 ppbv

RT: 17.905 min Scan# 4759

Delta R.T. 0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

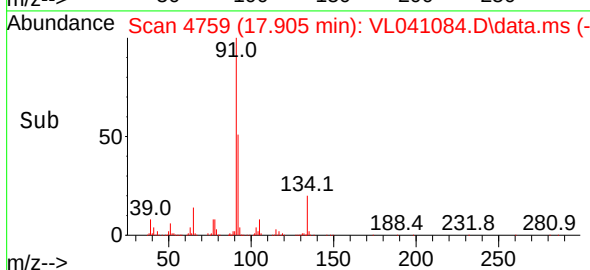
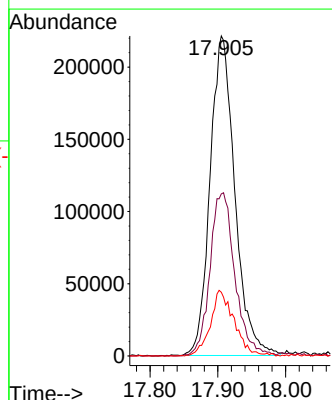
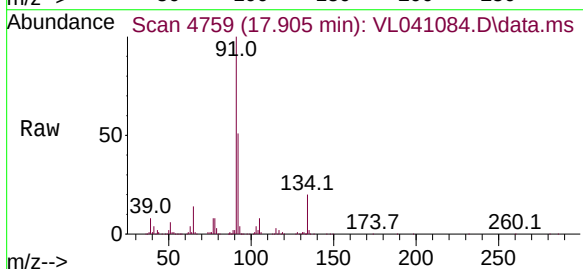
Tgt Ion: 91 Resp: 563097

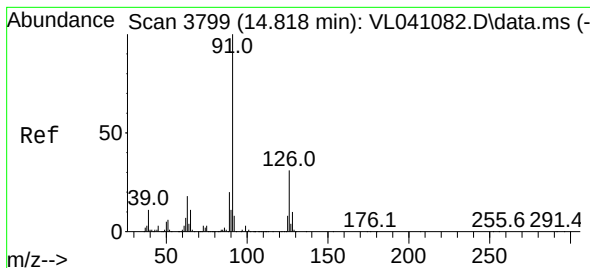
Ion Ratio Lower Upper

91 100

92 51.2 43.4 65.2

134 19.8 17.4 26.0

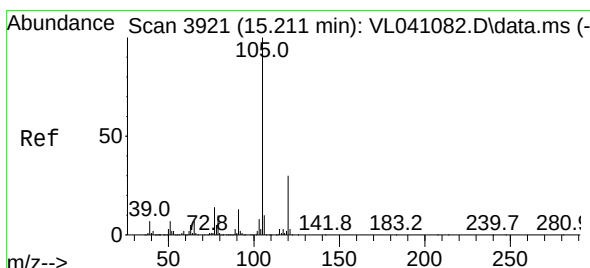
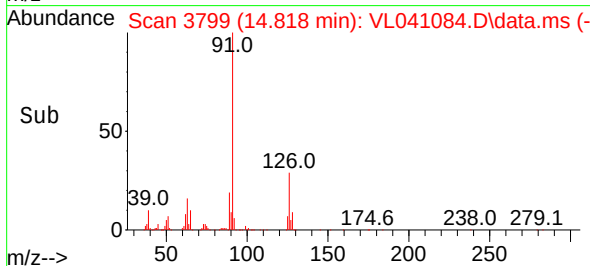
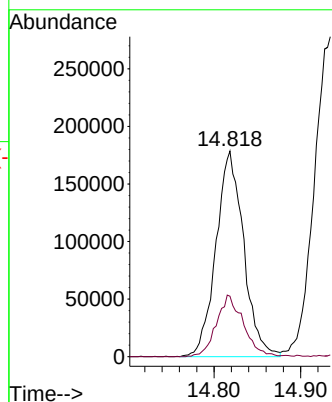
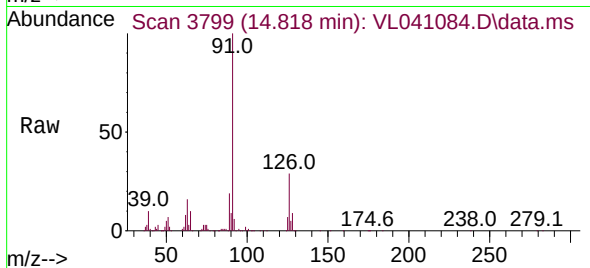




#71
2-Chlorotoluene
Concen: 1.029 ppbv
RT: 14.818 min Scan# 3799
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

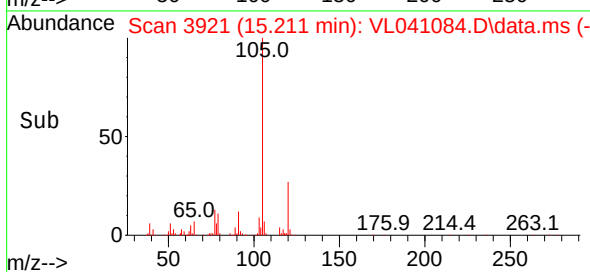
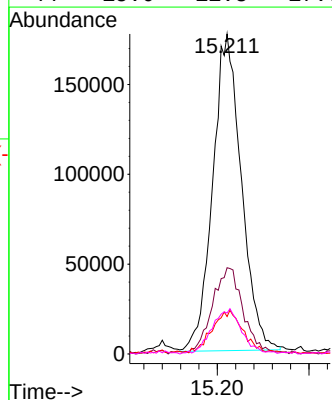
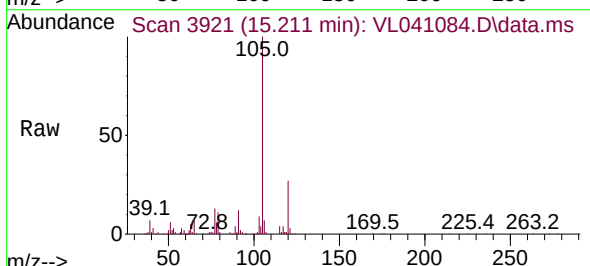
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

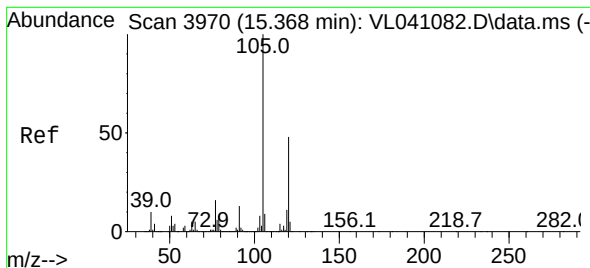
Tgt Ion: 91 Resp: 395839
Ion Ratio Lower Upper
91 100
126 29.5 12.2 48.8



#72
4-Ethyltoluene
Concen: 1.025 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 105 Resp: 382028
Ion Ratio Lower Upper
105 100
120 29.2 23.8 35.8
91 15.0 10.9 16.3
77 15.0 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 1.029 ppbv

RT: 15.368 min Scan# 3970

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

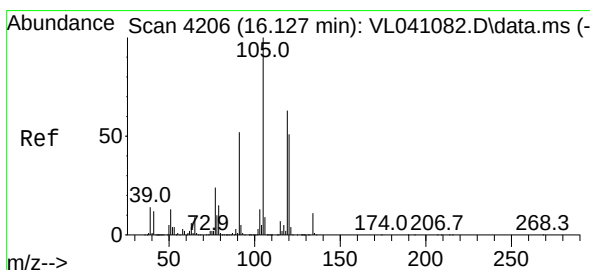
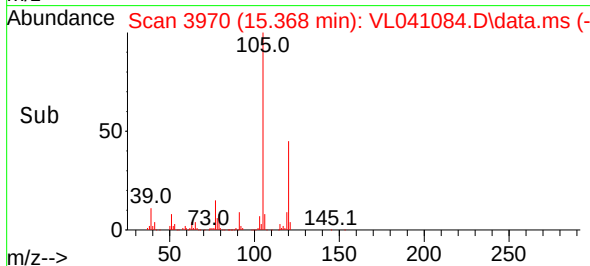
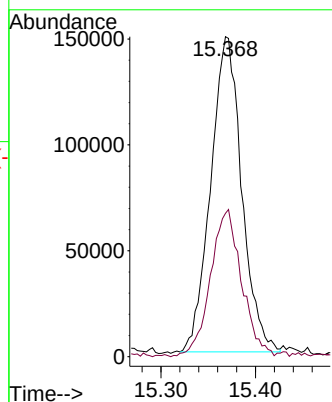
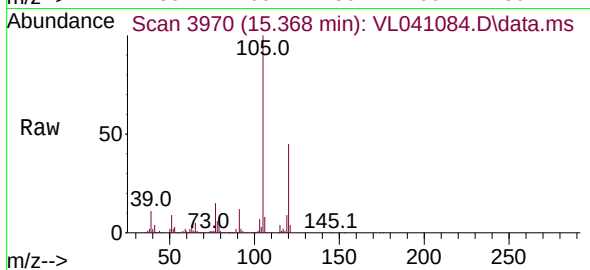
VSTDIC001

Tgt Ion:105 Resp: 339487

Ion Ratio Lower Upper

105 100

120 44.3 38.7 58.1



#74

1,2,4-Trimethylbenzene

Concen: 1.062 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Tgt Ion:105 Resp: 400288

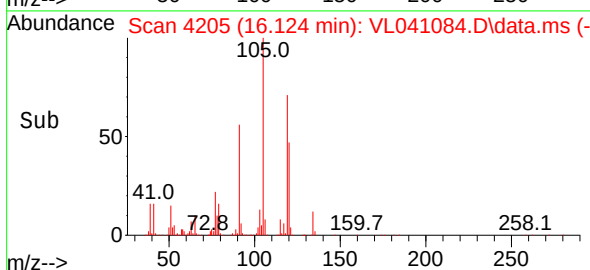
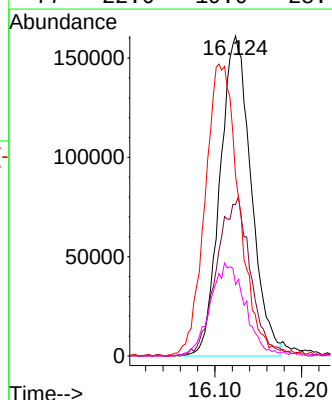
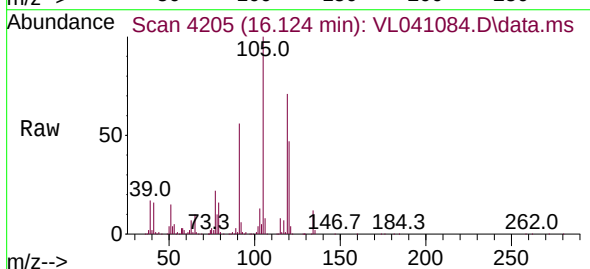
Ion Ratio Lower Upper

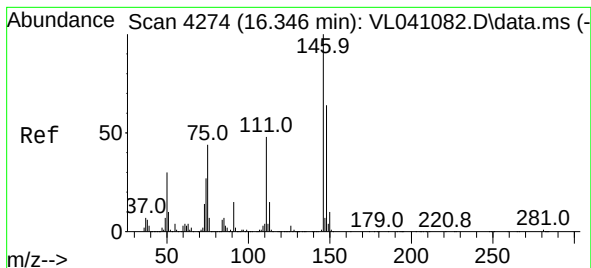
105 100

120 46.8 40.4 60.6

91 54.5 41.4 62.0

77 22.0 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 0.992 ppbv

RT: 16.349 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

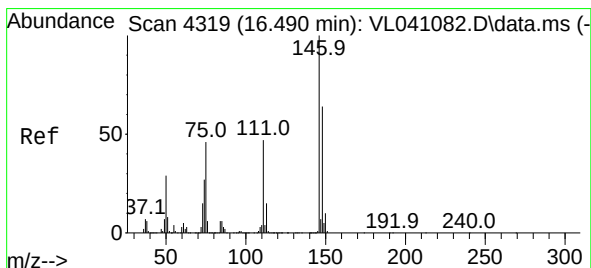
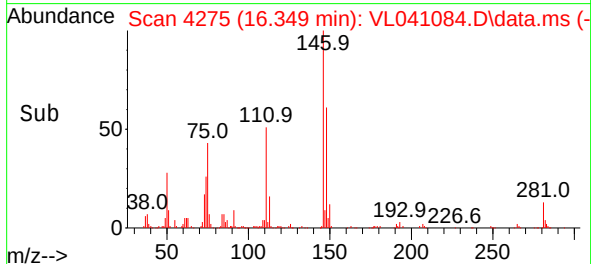
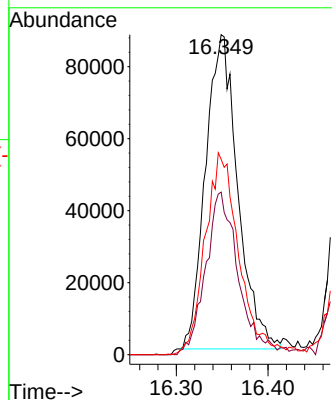
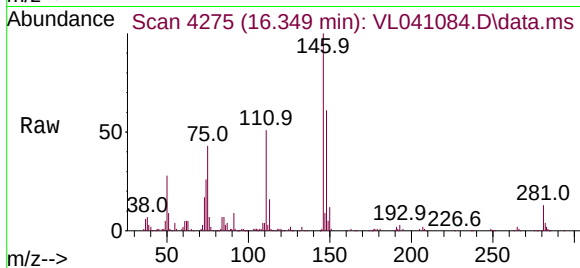
Tgt Ion:146 Resp: 213421

Ion Ratio Lower Upper

146 100

111 52.9 24.1 72.2

148 67.7 32.6 97.7



#76

1,4-Dichlorobenzene

Concen: 0.624 ppbv

RT: 16.490 min Scan# 4319

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

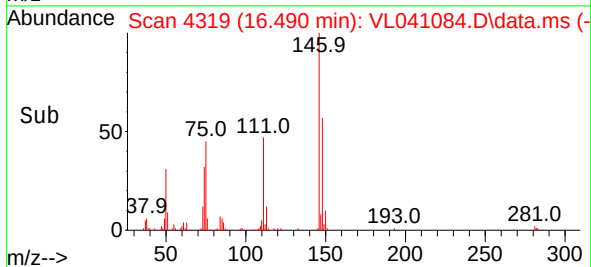
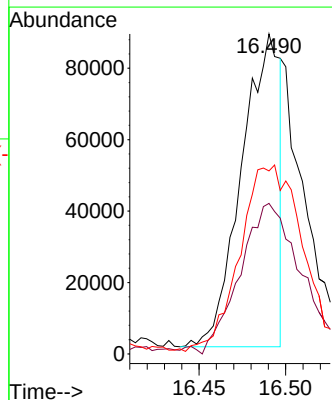
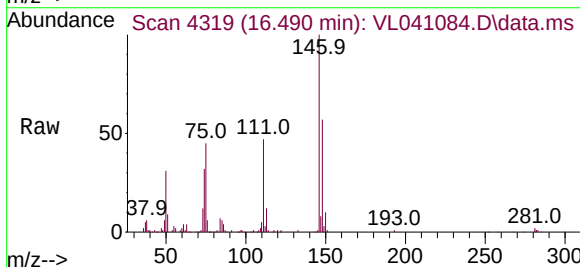
Tgt Ion:146 Resp: 134947

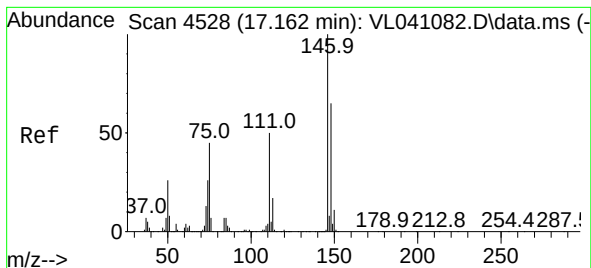
Ion Ratio Lower Upper

146 100

111 80.3 23.9 71.7#

148 106.6 32.9 98.6#





#77

1,2-Dichlorobenzene

Concen: 1.028 ppbv

RT: 17.162 min Scan# 4528

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

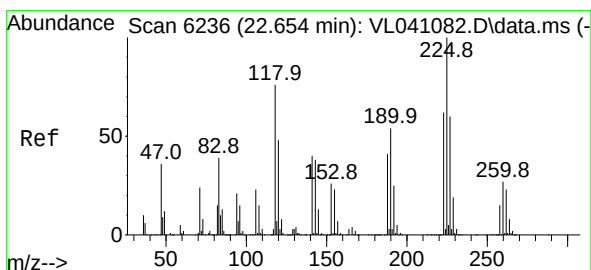
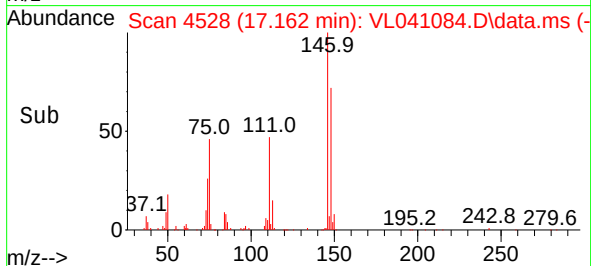
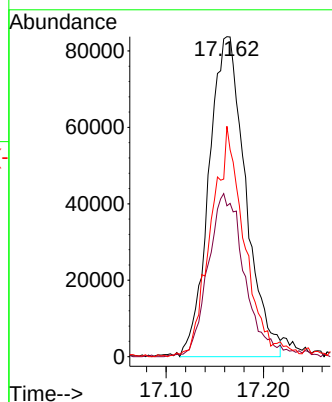
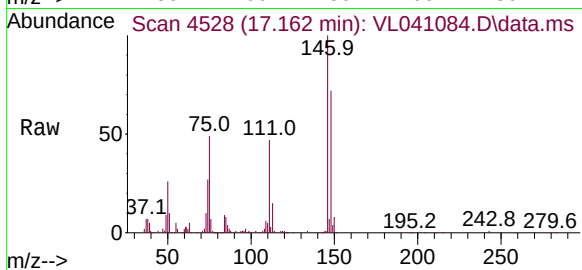
Tgt Ion:146 Resp: 218437

Ion Ratio Lower Upper

146 100

111 51.7 25.2 75.6

148 65.9 32.4 97.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.575 ppbv

RT: 22.648 min Scan# 6234

Delta R.T. -0.006 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

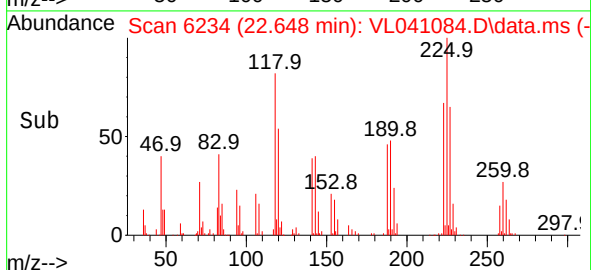
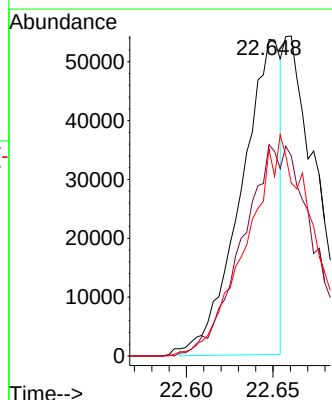
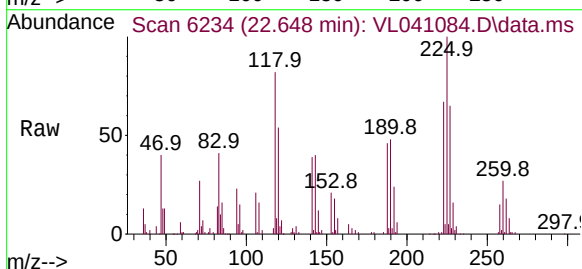
Tgt Ion:225 Resp: 85383

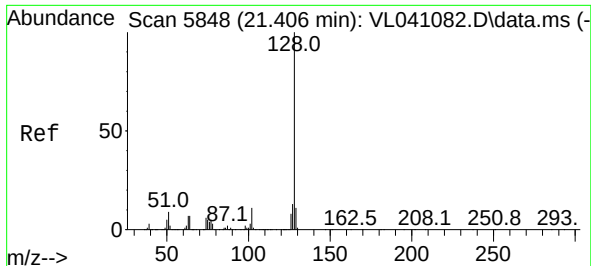
Ion Ratio Lower Upper

225 100

223 123.5 51.1 76.7#

227 0.0 51.1 76.7#





#79

Naphthalene

Concen: 0.386 ppbv

RT: 21.403 min Scan# 5

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

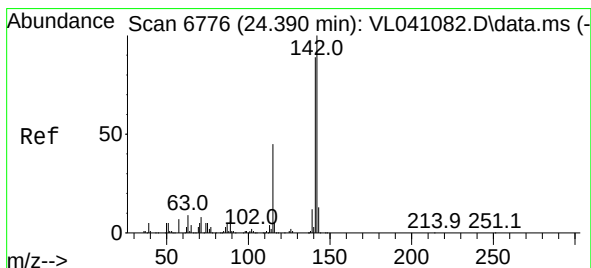
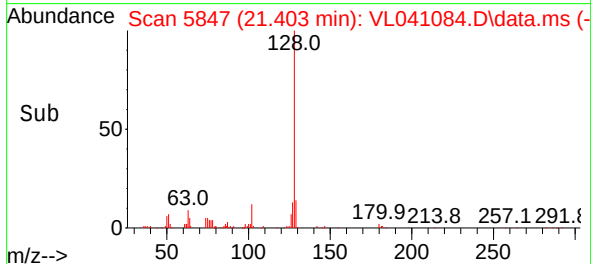
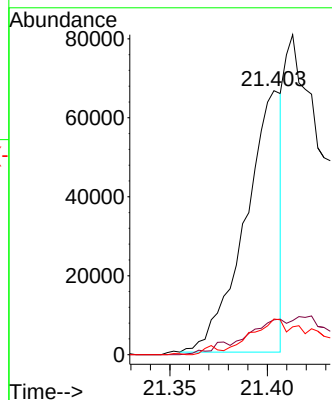
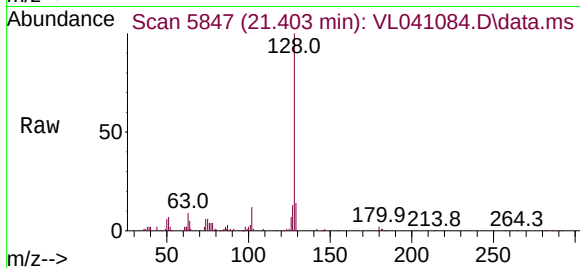
Tgt Ion:128 Resp: 85573

Ion Ratio Lower Upper

128 100

127 12.4 10.6 15.8

129 13.6 9.0 13.6#



#80

Naphthalene, 2-methyl-

Concen: 0.275 ppbv

RT: 24.416 min Scan# 6784

Delta R.T. 0.026 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

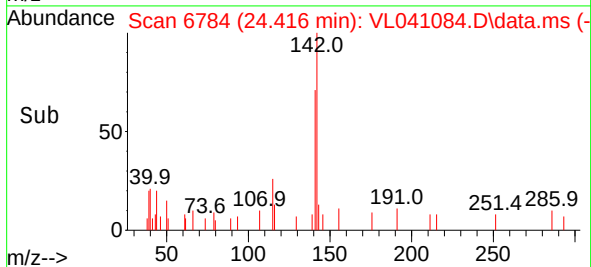
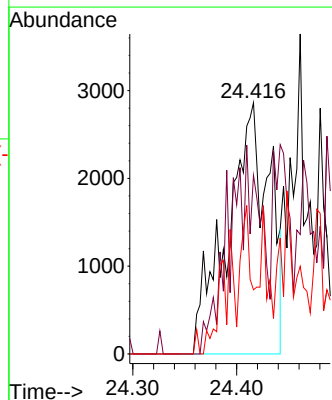
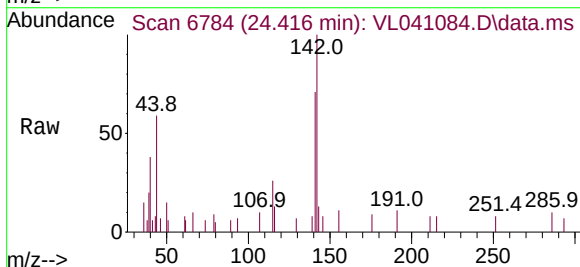
Tgt Ion:142 Resp: 7962

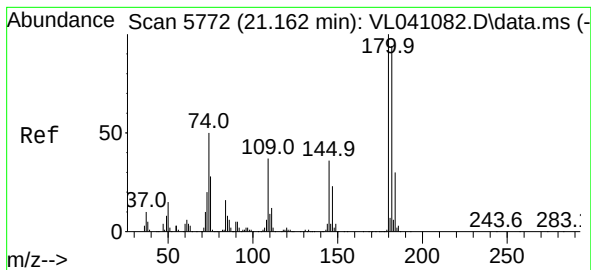
Ion Ratio Lower Upper

142 100

141 63.1 61.3 91.9

115 32.9 35.4 53.2#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.964 ppbv
 RT: 21.169 min Scan# 51
 Delta R.T. 0.007 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 122193
 Ion Ratio Lower Upper
 180 100
 182 103.8 78.7 118.1
 184 29.2 25.3 37.9

