

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040915.D
 Acq On : 20 Dec 2023 11:48
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 21 07:08:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:06:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1302693	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3273636	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	3081487	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	2204815	9.714	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.729	85	516227	2.080	ppbv	97
3) Chlorodifluoromethane	2.674	51	406903	2.076	ppbv	99
4) Chloromethane	2.812	50	145876	2.018	ppbv	91
5) Vinyl Chloride	2.919	62	152029	2.260	ppbv	97
6) Bromomethane	3.115	94	63349	2.050	ppbv	94
7) Chloroethane	3.195	64	53693	2.158	ppbv	94
8) Dichlorotetrafluoroethane	2.854	85	363879	2.035	ppbv	96
9) Propene	2.693	41	139433	2.156	ppbv	100
10) Heptane	7.555	43	345372	2.148	ppbv	99
11) Trichlorofluoromethane	3.555	101	406654	2.096	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.054	101	344039	2.284	ppbv	100
13) Ethanol	3.243	45	20946	1.449	ppbv #	37
14) Bromoethene	3.359	108	116151	2.104	ppbv	98
15) Acetone	3.465	43	350141	2.241	ppbv	96
16) 1,3-Butadiene	2.983	39	140390	2.087	ppbv	97
17) tert-Butyl alcohol	3.873	59	230081	1.991	ppbv	98
18) 1,1-Dichloroethene	3.873	96	127008	2.042	ppbv	92
19) Isopropyl Alcohol	3.578	45	171100	2.071	ppbv #	97
20) Methylene Chloride	3.922	84	116581	2.072	ppbv	95
21) Allyl Chloride	3.986	41	209558	2.269	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	148949	2.078	ppbv	94
23) Vinyl Acetate	4.613	43	361479	2.047	ppbv	98
24) 1,1-Dichloroethane	4.552	63	343228	2.226	ppbv	97
25) Ethyl Acetate	5.192	43	565236	2.088	ppbv	98
26) Hexane	5.198	57	256567	2.123	ppbv	99
27) Carbon Disulfide	4.115	76	380827	2.345	ppbv	97
28) Methyl tert-Butyl Ether	4.578	73	246667	2.216	ppbv	100
29) Chloroform	5.256	83	435571	2.151	ppbv	94
30) Cyclohexane	6.578	84	214238	2.142	ppbv #	82
31) cis-1,2-Dichloroethene	5.063	61	262209	2.128	ppbv	99
32) 1,1,1-Trichloroethane	5.986	97	426373	2.210	ppbv	98
34) 2-Butanone	4.774	43	364402	2.104	ppbv	99
35) Carbon Tetrachloride	6.471	117	442766	2.151	ppbv	97
36) Benzene	6.349	78	546505	2.136	ppbv	98
37) 1,2-Dichloroethane	5.787	62	316801	2.066	ppbv	100
38) Trichloroethene	7.269	130	206857	2.102	ppbv	96
39) 1,2-Dichloropropane	7.050	63	201834	2.001	ppbv	93
40) 1,4-Dioxane	7.269	88	32487	0.779	ppbv #	1
41) Tetrahydrofuran	5.549	42	219201	2.086	ppbv	98
42) Bromodichloromethane	7.227	83	465084	2.103	ppbv	98
43) Methyl Methacrylate	7.449	69	206936	2.074	ppbv	94
44) 2,2,4-Trimethylpentane	7.304	57	938474	2.159	ppbv	99
45) t-1,3-Dichloropropene	8.680	75	149951	2.027	ppbv	94

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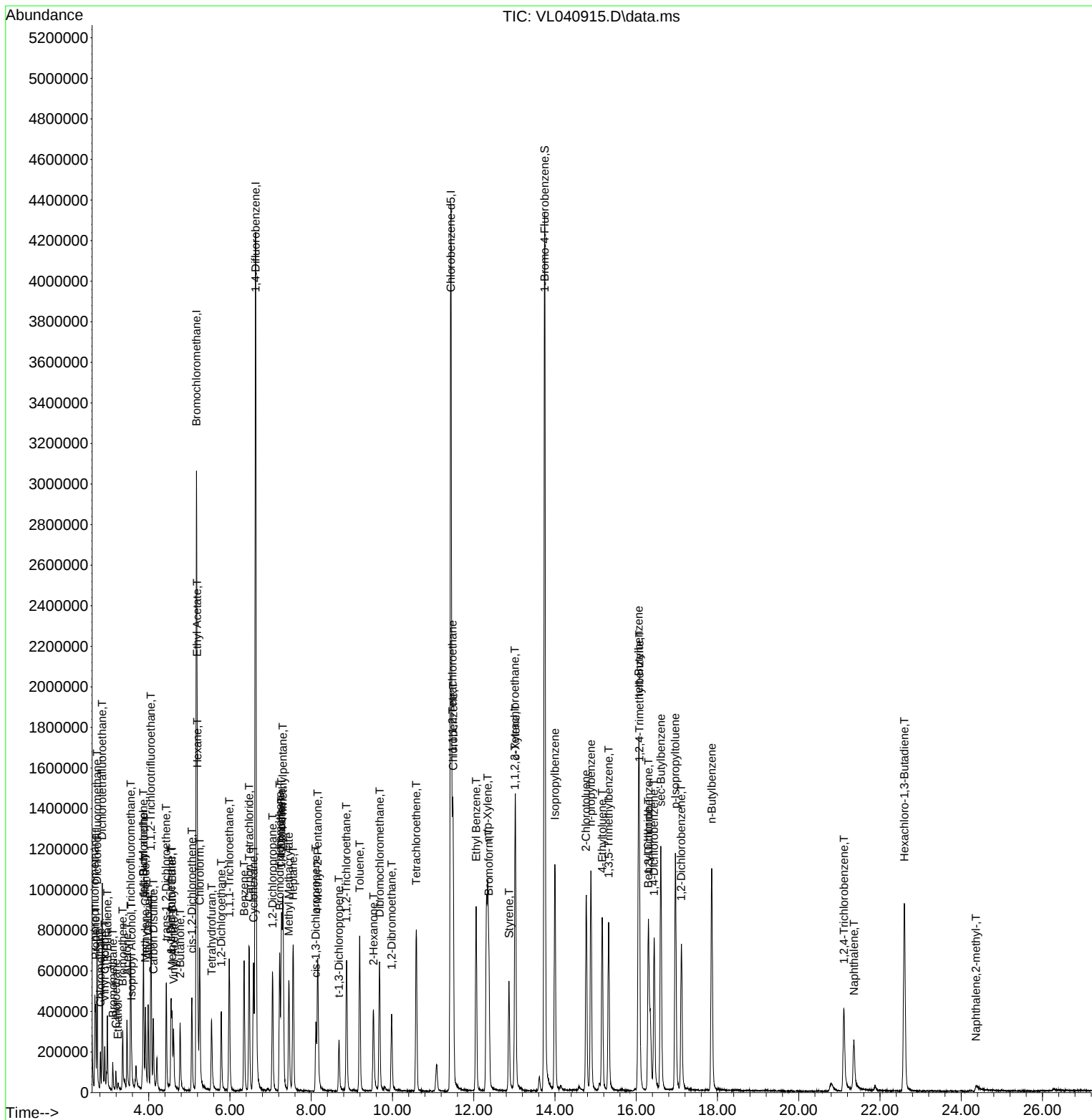
Instrument :
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 ClientSampleId :

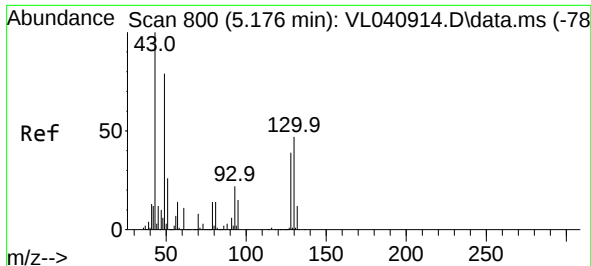
Quant Time: Dec 21 07:08:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:06:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.114	75	192361	2.088	ppbv	99
47) 1,1,2-Trichloroethane	8.867	97	225886	2.093	ppbv	96
48) Dibromochloromethane	9.684	129	387432	2.126	ppbv	99
49) Bromoform	12.372	173	172955	1.227	ppbv #	43
50) 4-Methyl-2-Pentanone	8.159	43	565116	2.150	ppbv	100
51) 2-Hexanone	9.532	43	401275	2.122	ppbv #	98
52) Tetrachloroethene	10.587	164	183647	2.128	ppbv	94
53) Toluene	9.195	91	615734	2.153	ppbv	100
54) 1,2-Dibromoethane	9.979	107	321599	2.183	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.481	131	283210	2.102	ppbv #	1
57) Chlorobenzene	11.494	112	491555	2.161	ppbv	99
58) Ethyl Benzene	12.060	91	852099	2.152	ppbv	96
59) m/p-Xylene	12.339	91	661361	1.964	ppbv #	100
60) o-Xylene	13.027	91	685932	2.162	ppbv	99
61) Styrene	12.870	104	325429	2.151	ppbv	99
62) Isopropylbenzene	13.998	105	1013849	2.155	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.015	83	488653	2.145	ppbv	98
64) n-propylbenzene	14.886	120	250925	2.114	ppbv	86
65) tert-Butylbenzene	16.063	119	880613	2.168	ppbv	99
66) Benzyl Chloride	16.294	91	20303	0.737	ppbv #	35
67) sec-Butylbenzene	16.609	105	1260259	2.169	ppbv	98
69) p-Isopropyltoluene	16.963	119	983294	2.179	ppbv	99
70) n-Butylbenzene	17.857	91	1000463	2.134	ppbv	99
71) 2-Chlorotoluene	14.767	91	409433	1.131	ppbv #	44
72) 4-Ethyltoluene	15.162	105	736465	2.115	ppbv	99
73) 1,3,5-Trimethylbenzene	15.320	105	652191	2.170	ppbv	99
74) 1,2,4-Trimethylbenzene	16.079	105	710955	2.126	ppbv	92
75) 1,3-Dichlorobenzene	16.301	146	404462	2.110	ppbv	99
76) 1,4-Dichlorobenzene	16.439	146	393228	2.101	ppbv	99
77) 1,2-Dichlorobenzene	17.111	146	226995	1.228	ppbv #	22
78) Hexachloro-1,3-Butadiene	22.603	225	243235	2.121	ppbv	97
79) Naphthalene	21.362	128	160750	1.028	ppbv	97
80) Naphthalene,2-methyl-	24.361	142	42866	1.568	ppbv #	43
81) 1,2,4-Trichlorobenzene	21.111	180	124169	1.325	ppbv #	54

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 21 07:06:17 2023
Response via : Initial Calibration

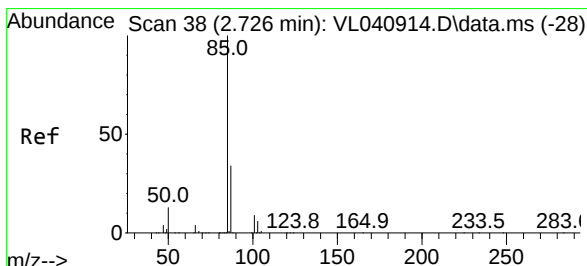
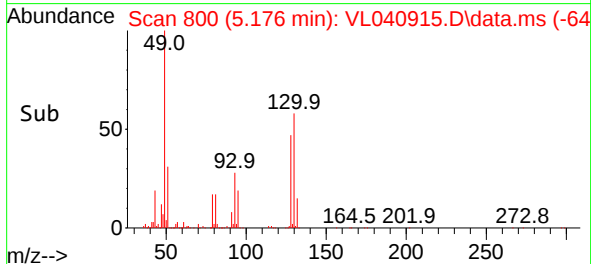
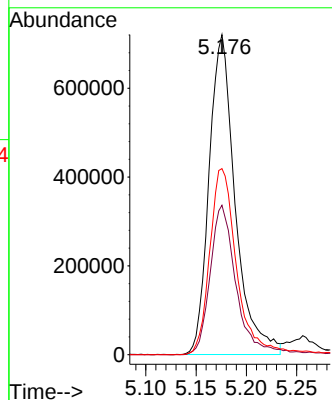
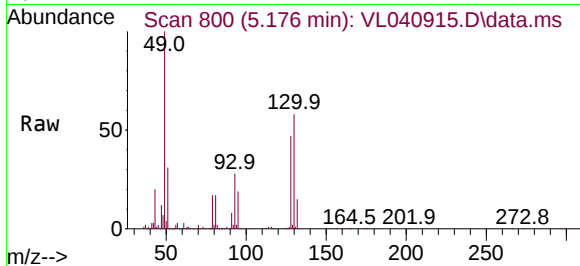




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

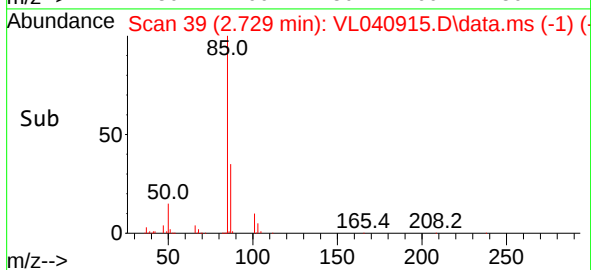
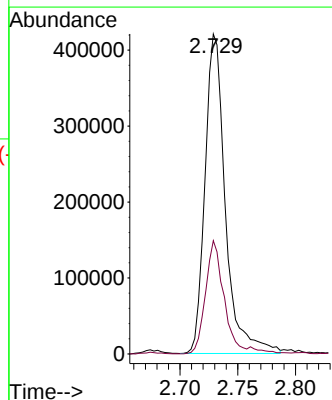
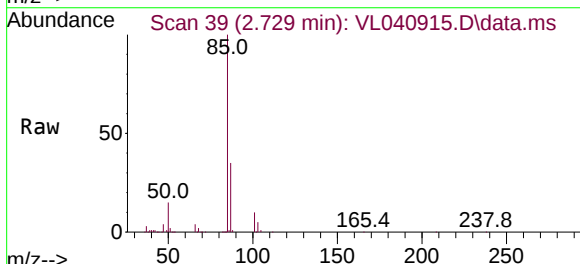
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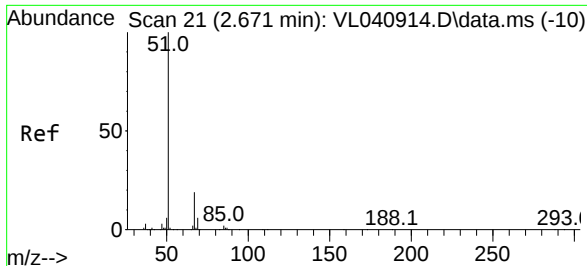
Tgt Ion: 49 Resp: 1302693
 Ion Ratio Lower Upper
 49 100
 128 47.6 23.8 71.2
 130 61.6 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 2.080 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

Tgt Ion: 85 Resp: 516227
 Ion Ratio Lower Upper
 85 100
 87 35.4 27.0 40.6

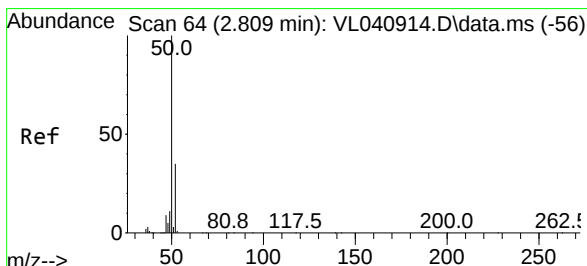
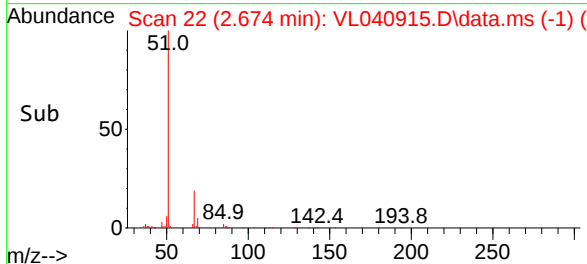
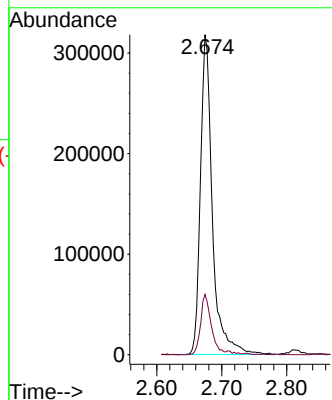
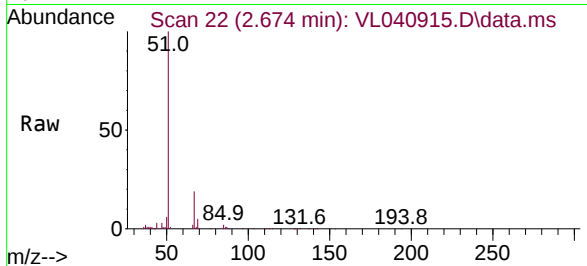




#3
Chlorodifluoromethane
Concen: 2.076 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

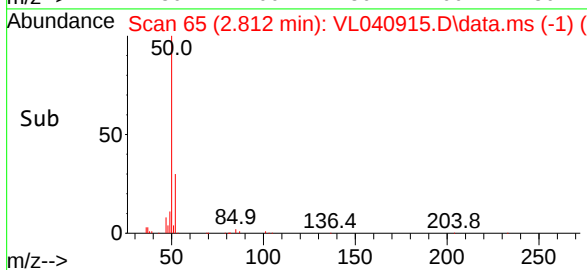
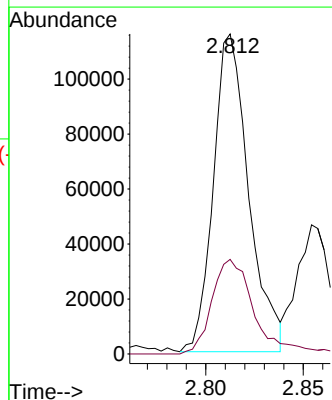
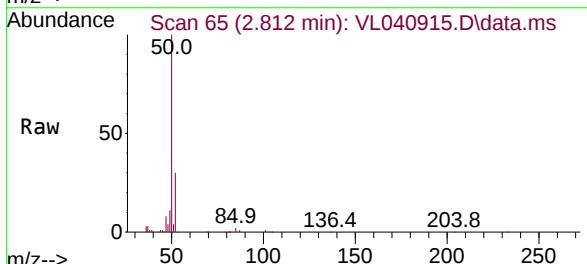
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ClientSampleId :

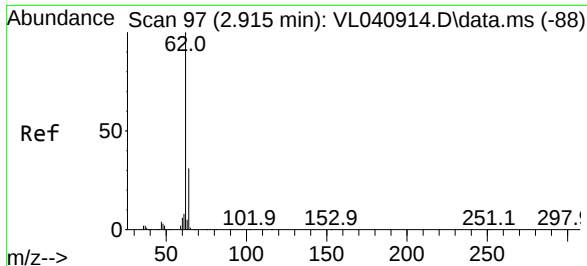
Tgt Ion: 51 Resp: 406903
Ion Ratio Lower Upper
51 100
67 17.9 14.7 22.1



#4
Chloromethane
Concen: 2.018 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 50 Resp: 145876
Ion Ratio Lower Upper
50 100
52 29.8 28.0 42.0

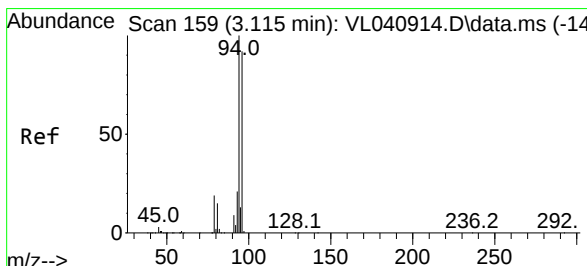
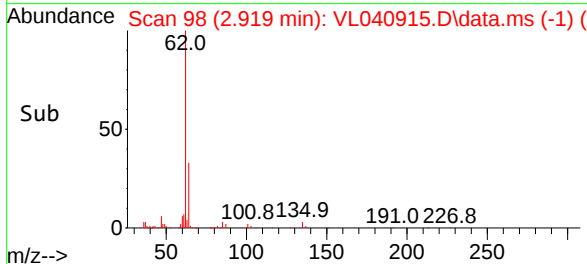
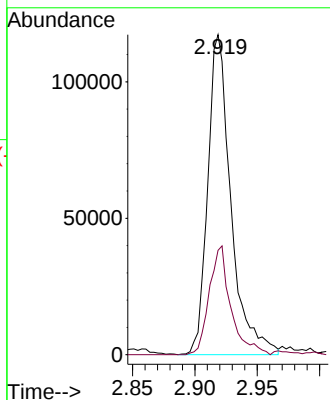
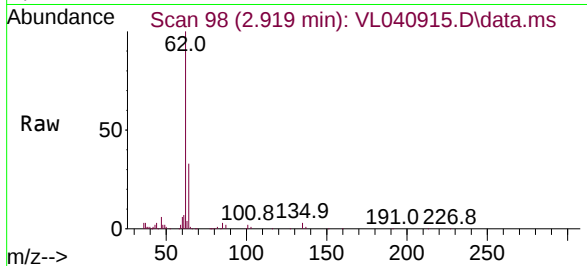




#5
 Vinyl Chloride
 Concen: 2.260 ppbv
 RT: 2.919 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

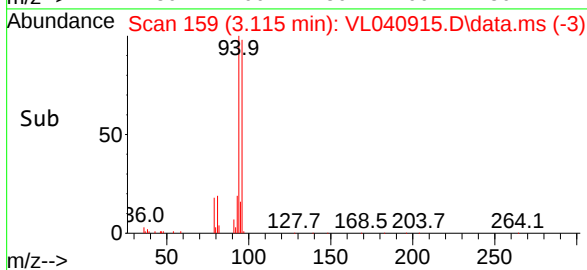
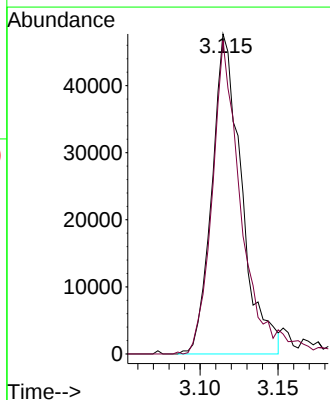
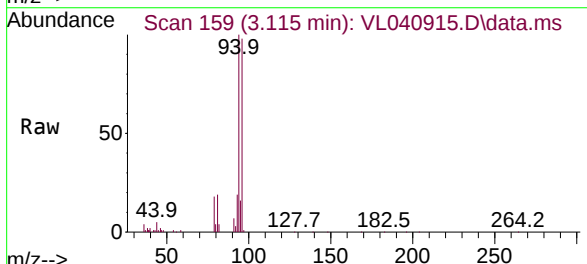
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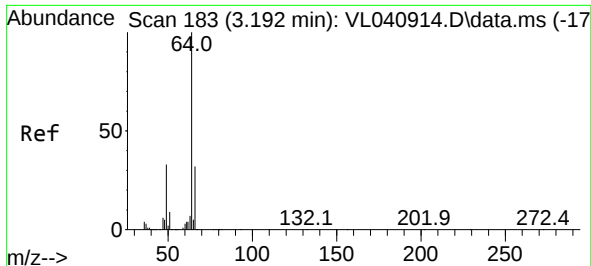
Tgt Ion: 62 Resp: 152029
 Ion Ratio Lower Upper
 62 100
 64 32.6 24.9 37.3



#6
 Bromomethane
 Concen: 2.050 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

Tgt Ion: 94 Resp: 63349
 Ion Ratio Lower Upper
 94 100
 96 97.3 73.2 109.8

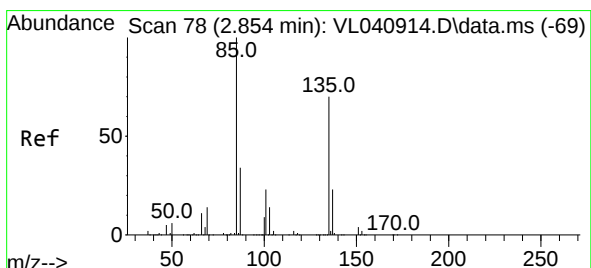
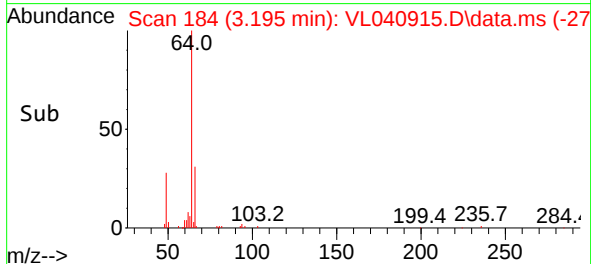
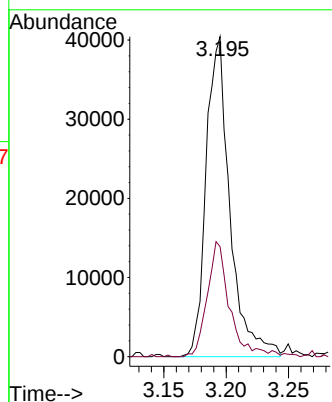
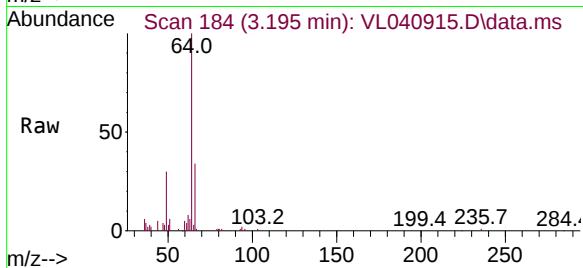




#7
Chloroethane
Concen: 2.158 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

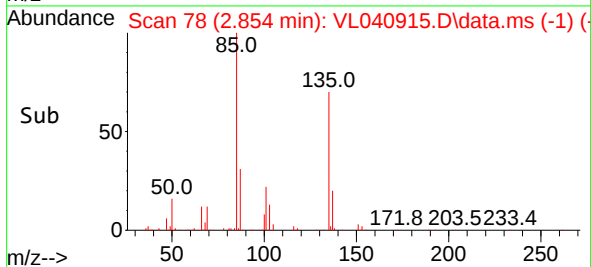
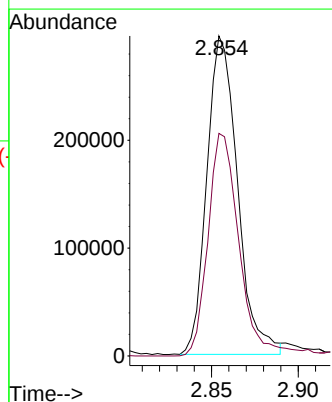
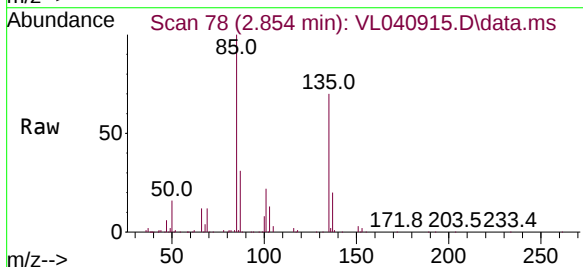
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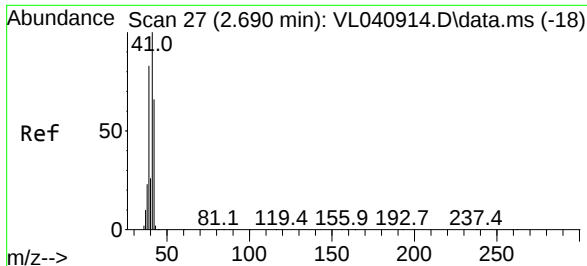
Tgt Ion: 64 Resp: 53693
Ion Ratio Lower Upper
64 100
66 35.3 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 2.035 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 85 Resp: 363879
Ion Ratio Lower Upper
85 100
135 73.0 55.8 83.8

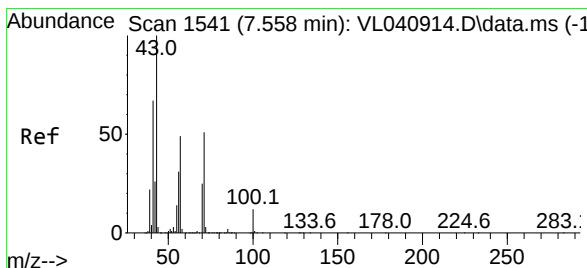
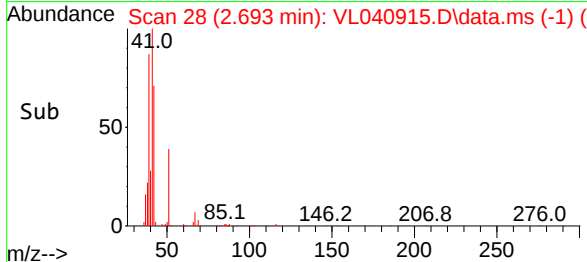
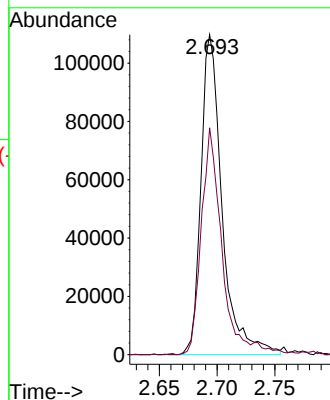
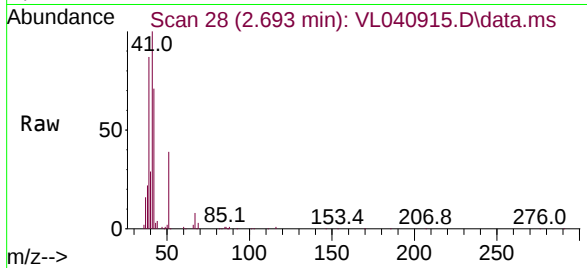




#9
 Propene
 Concen: 2.156 ppbv
 RT: 2.693 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

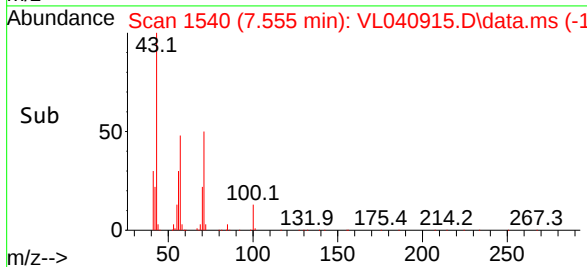
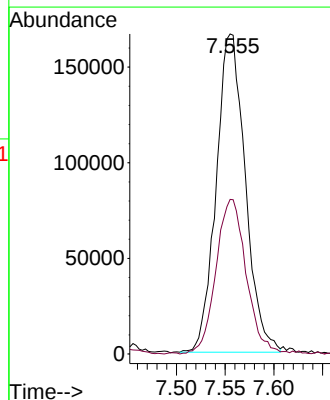
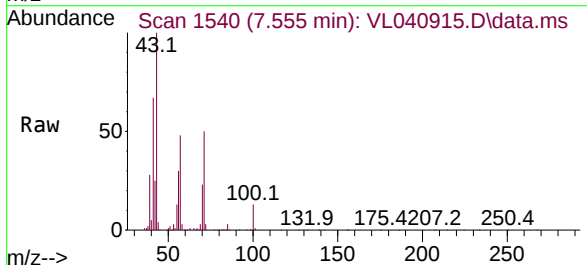
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 ClientSampleId :

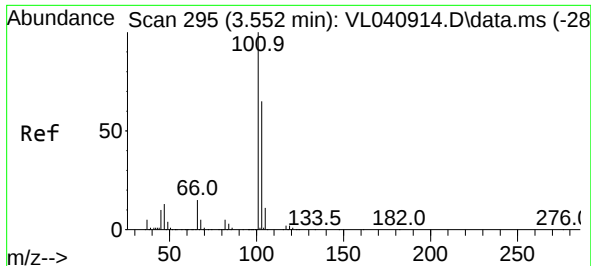
Tgt Ion: 41 Resp: 139433
 Ion Ratio Lower Upper
 41 100
 42 69.8 55.8 83.6



#10
 Heptane
 Concen: 2.148 ppbv
 RT: 7.555 min Scan# 1540
 Delta R.T. -0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

Tgt Ion: 43 Resp: 345372
 Ion Ratio Lower Upper
 43 100
 57 49.8 39.3 58.9





#11

Trichlorofluoromethane

Concen: 2.096 ppbv

RT: 3.555 min Scan# 295

Delta R.T. 0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

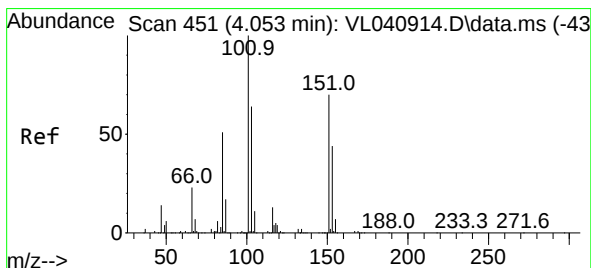
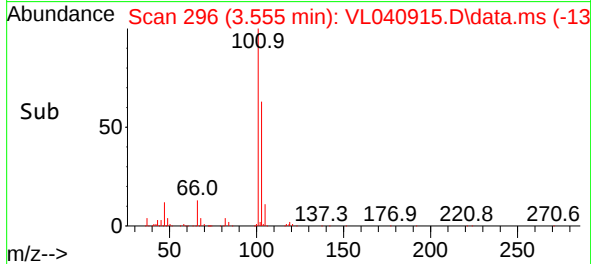
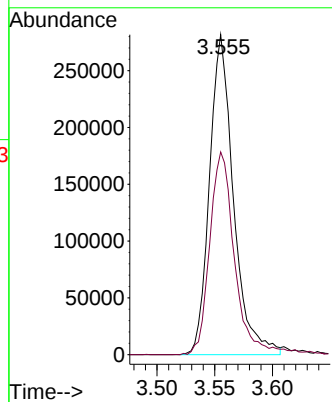
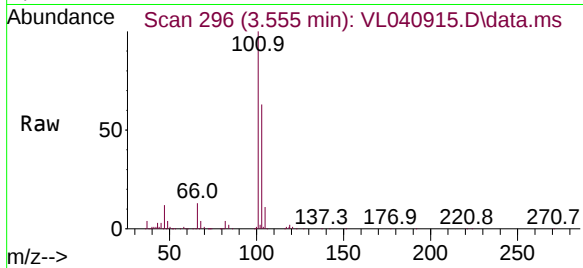
ClientSampleId :

Tgt Ion:101 Resp: 406654

Ion Ratio Lower Upper

101 100

103 63.4 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.284 ppbv

RT: 4.054 min Scan# 451

Delta R.T. 0.000 min

Lab File: VL040915.D

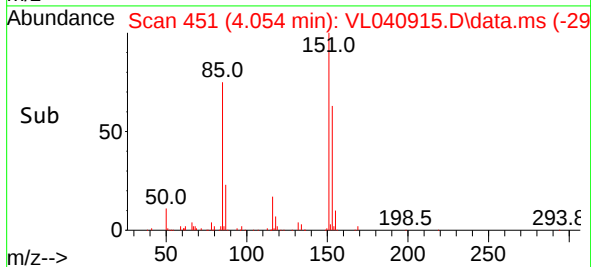
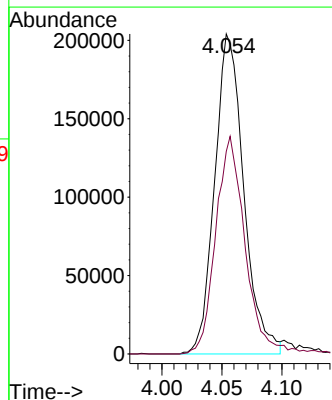
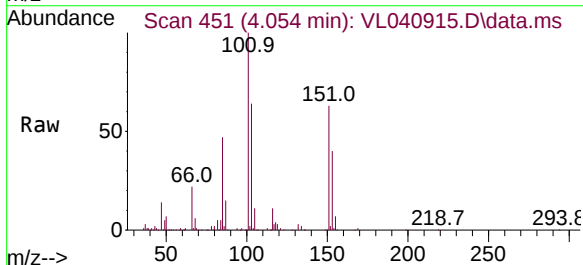
Acq: 20 Dec 2023 11:48

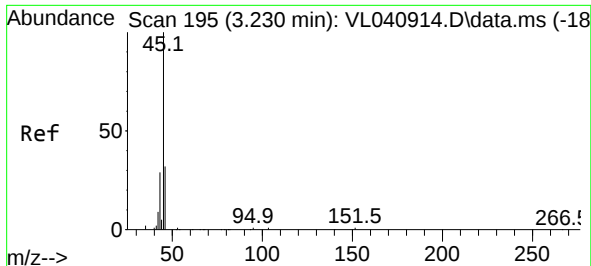
Tgt Ion:101 Resp: 344039

Ion Ratio Lower Upper

101 100

151 69.7 55.8 83.8

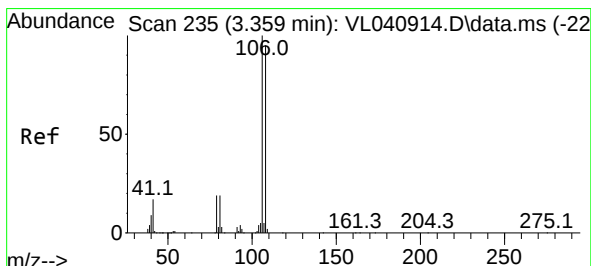
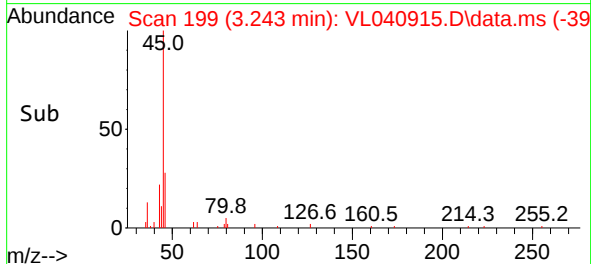
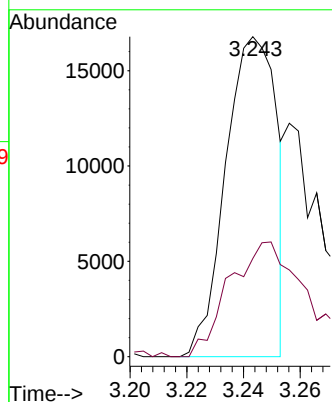
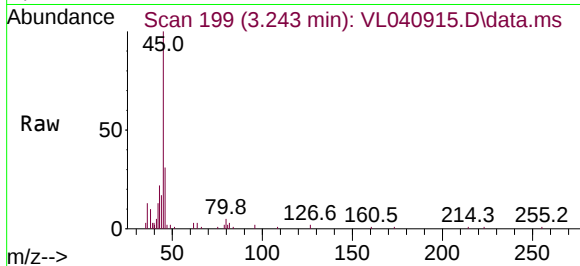




#13
Ethanol
Concen: 1.449 ppbv
RT: 3.243 min Scan# 195
Delta R.T. 0.013 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

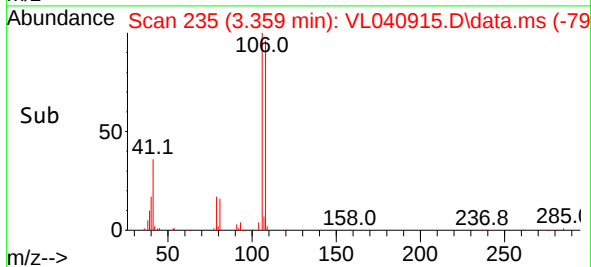
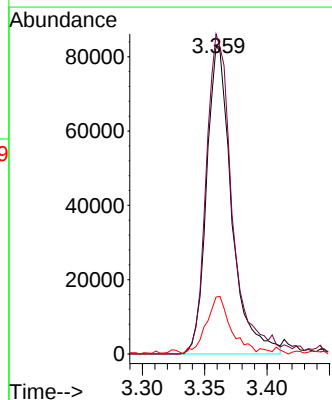
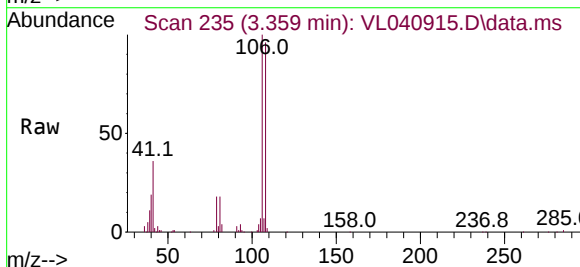
Instrument :
MSVOA_L
ClientSampleId :

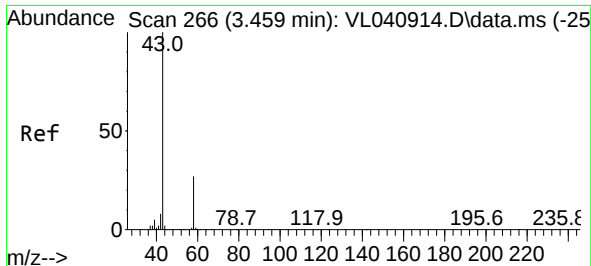
Tgt Ion: 45 Resp: 20946
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0#



#14
Bromoethene
Concen: 2.104 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 108 Resp: 116151
Ion Ratio Lower Upper
108 100
106 111.2 87.5 131.3
79 21.3 16.6 24.8

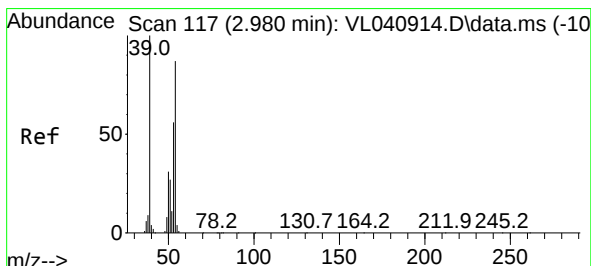
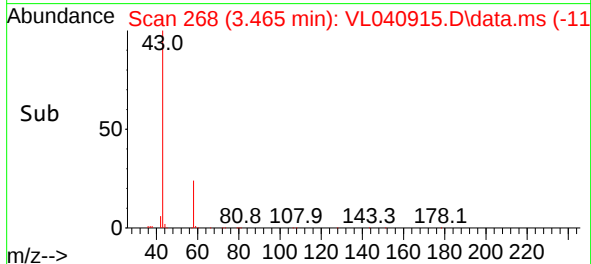
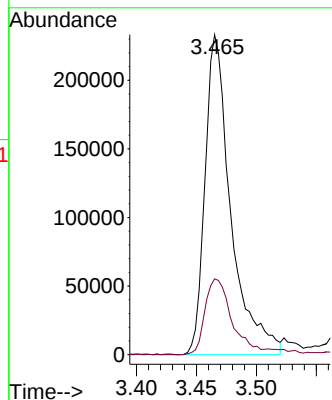
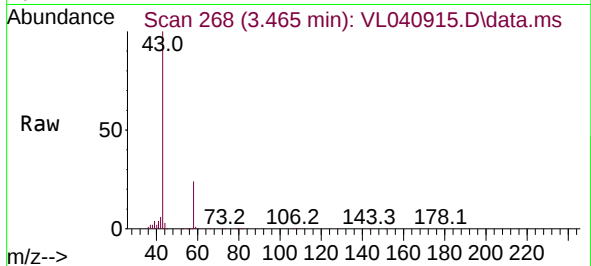




#15
Acetone
Concen: 2.241 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

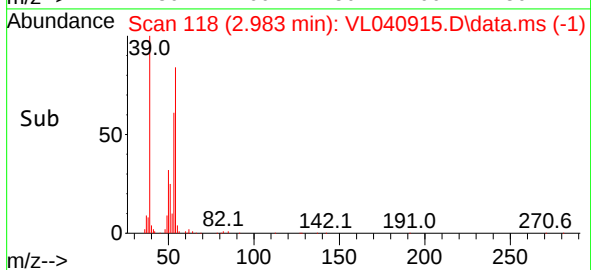
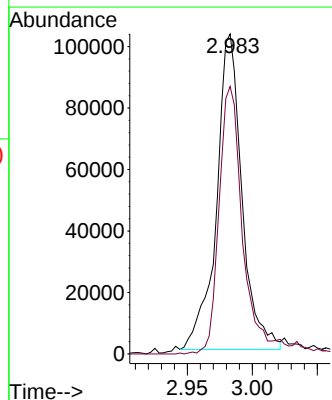
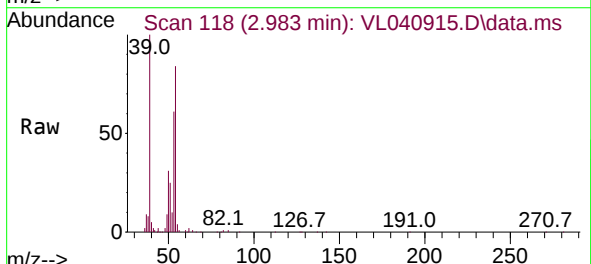
Instrument :
MSVOA_L
ClientSampleId :

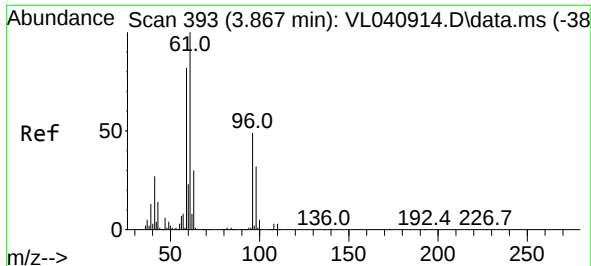
Tgt Ion: 43 Resp: 350141
Ion Ratio Lower Upper
43 100
58 28.0 20.6 30.8



#16
1,3-Butadiene
Concen: 2.087 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 39 Resp: 140390
Ion Ratio Lower Upper
39 100
54 82.1 63.8 95.6





#17

tert-Butyl alcohol

Concen: 1.991 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.006 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

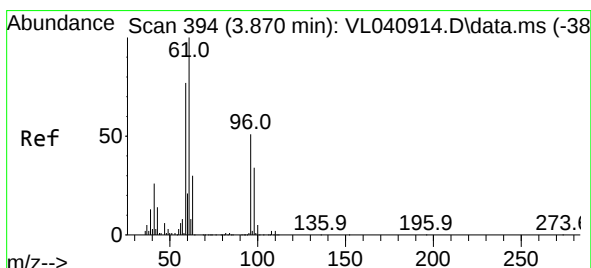
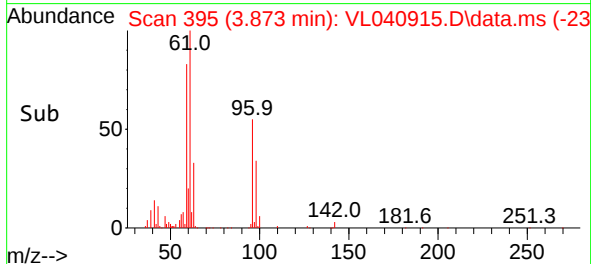
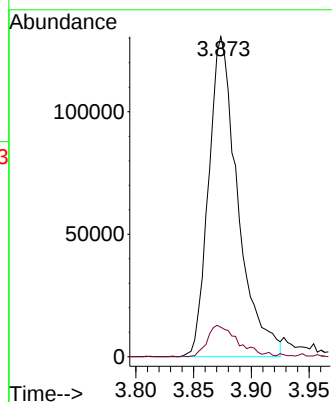
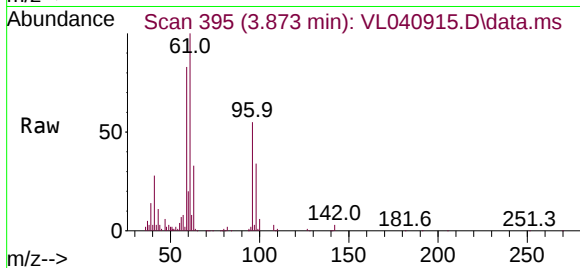
ClientSampleId :

Tgt Ion: 59 Resp: 230081

Ion Ratio Lower Upper

59 100

57 11.0 8.3 12.5



#18

1,1-Dichloroethene

Concen: 2.042 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

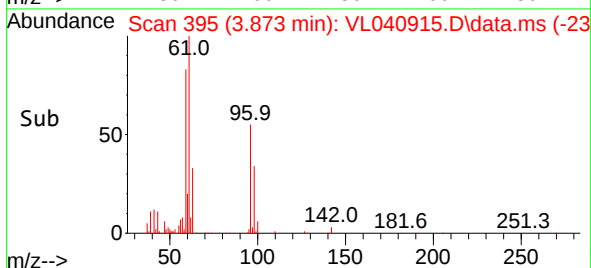
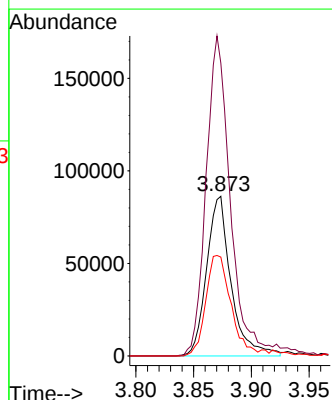
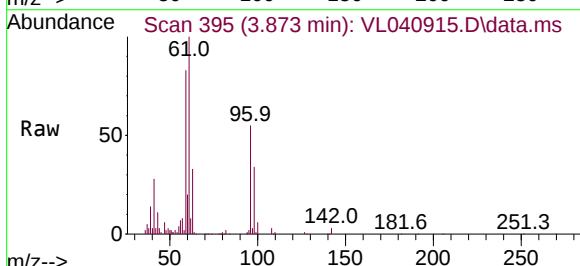
Tgt Ion: 96 Resp: 127008

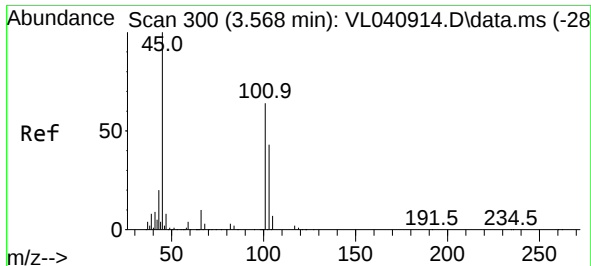
Ion Ratio Lower Upper

96 100

61 183.0 156.6 235.0

98 61.9 52.5 78.7

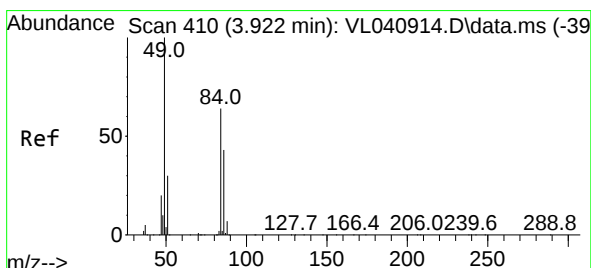
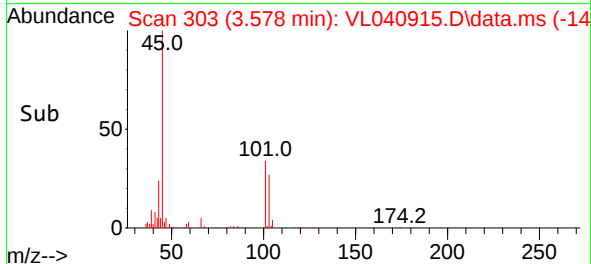
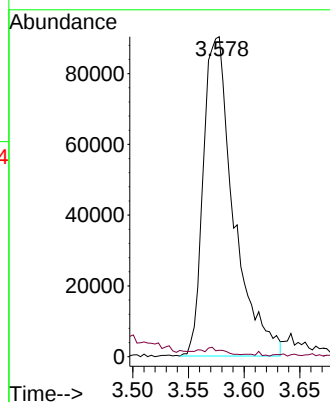
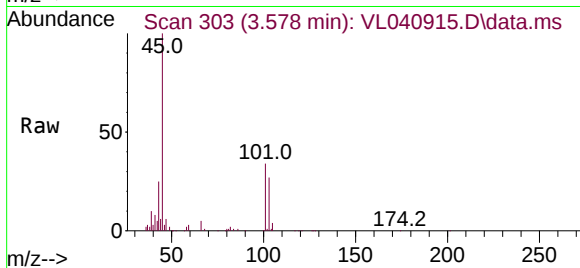




#19
Isopropyl Alcohol
Concen: 2.071 ppbv
RT: 3.578 min Scan# 300
Delta R.T. 0.010 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

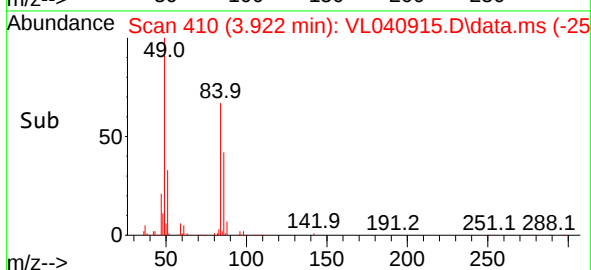
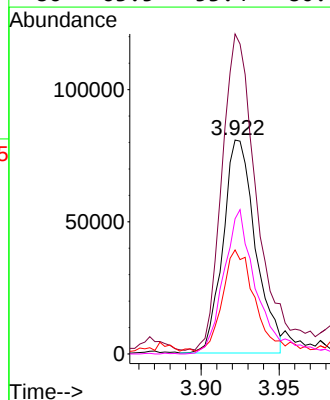
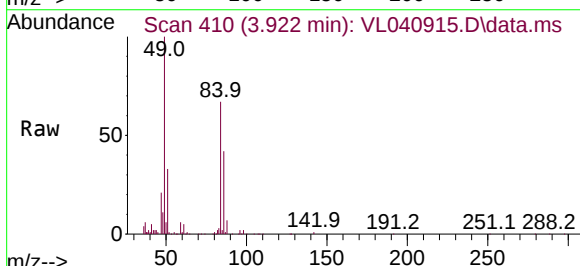
Instrument :
MSVOA_L
ClientSampleId :

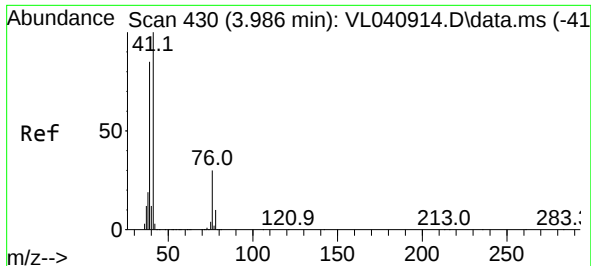
Tgt Ion: 45 Resp: 171100
Ion Ratio Lower Upper
45 100
58 2.9 1.5 2.3#



#20
Methylene Chloride
Concen: 2.072 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 84 Resp: 116581
Ion Ratio Lower Upper
84 100
49 148.2 124.6 187.0
51 47.5 37.2 55.8
86 63.5 53.4 80.0





#21

Allyl Chloride

Concen: 2.269 ppbv

RT: 3.986 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

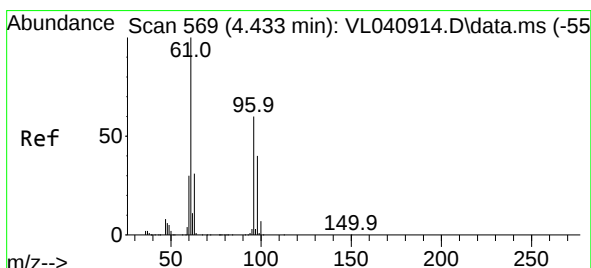
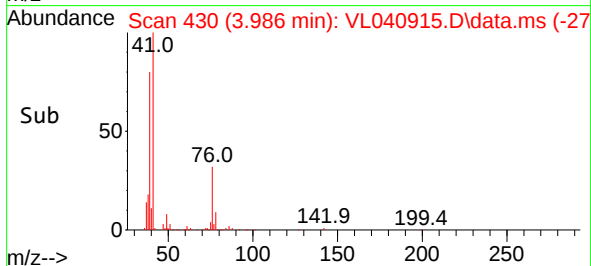
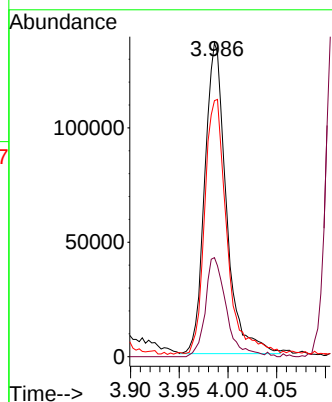
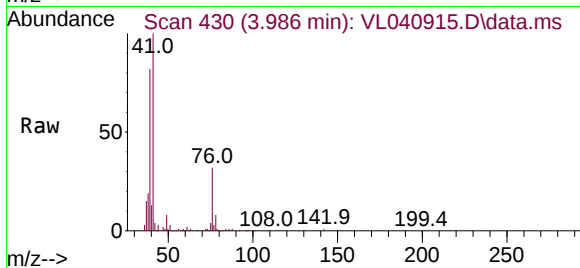
Tgt Ion: 41 Resp: 209558

Ion Ratio Lower Upper

41 100

76 31.0 23.9 35.9

39 86.0 66.5 99.7



#22

trans-1,2-Dichloroethene

Concen: 2.078 ppbv

RT: 4.430 min Scan# 568

Delta R.T. -0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

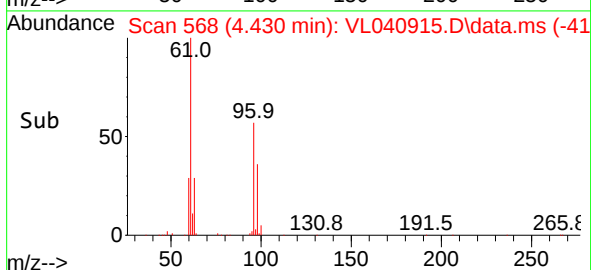
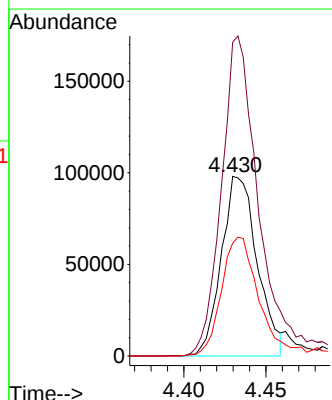
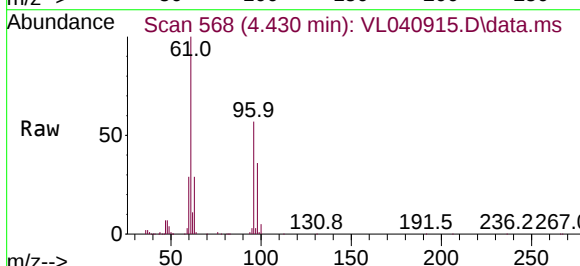
Tgt Ion: 96 Resp: 148949

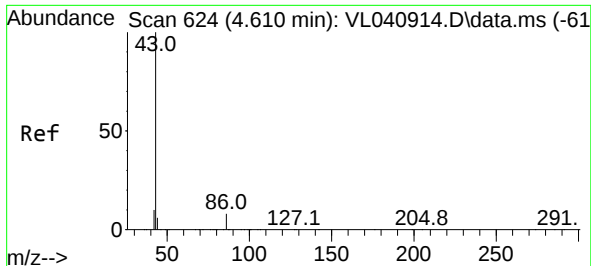
Ion Ratio Lower Upper

96 100

61 174.8 133.0 199.6

98 62.9 53.7 80.5

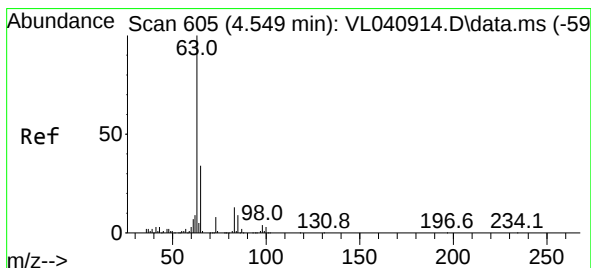
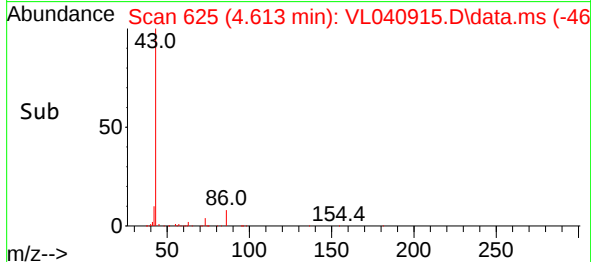
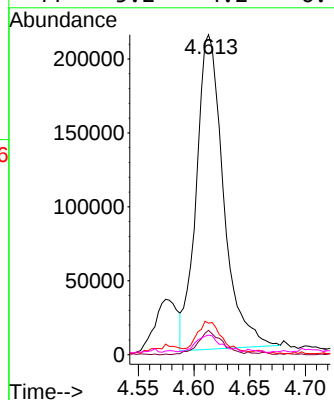
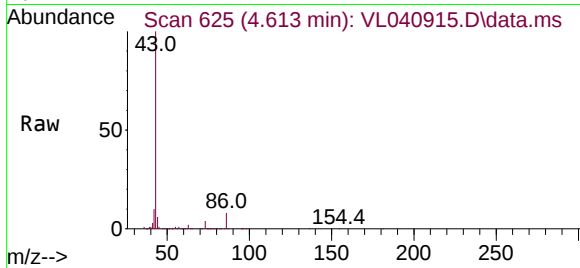




#23
 Vinyl Acetate
 Concen: 2.047 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

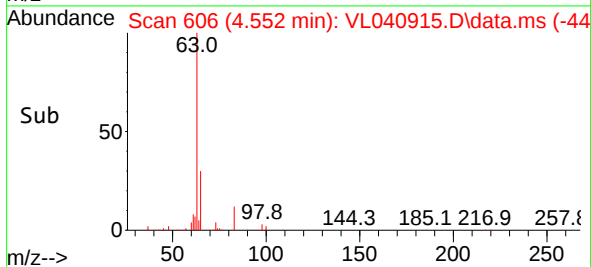
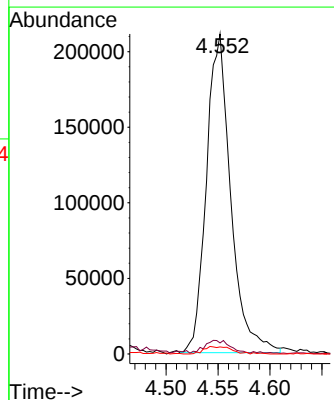
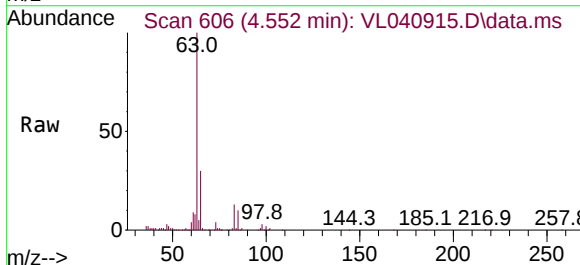
Instrument :
 MSVOA_L
 ClientSampleId :

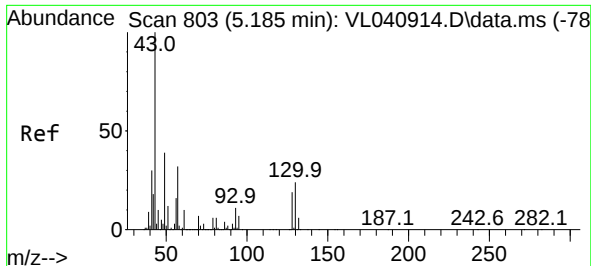
Tgt Ion: 43 Resp: 361479
 Ion Ratio Lower Upper
 43 100
 86 7.6 5.5 8.3
 42 9.6 8.4 12.6
 44 5.2 4.2 6.4



#24
 1,1-Dichloroethane
 Concen: 2.226 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

Tgt Ion: 63 Resp: 343228
 Ion Ratio Lower Upper
 63 100
 98 3.3 2.1 6.5
 100 2.2 1.4 4.2



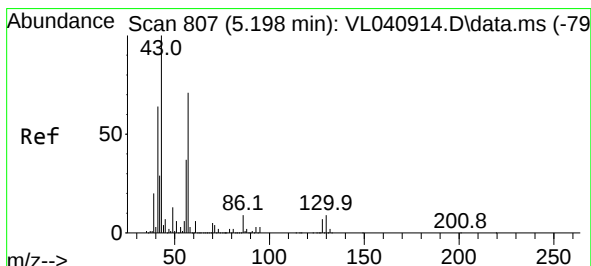
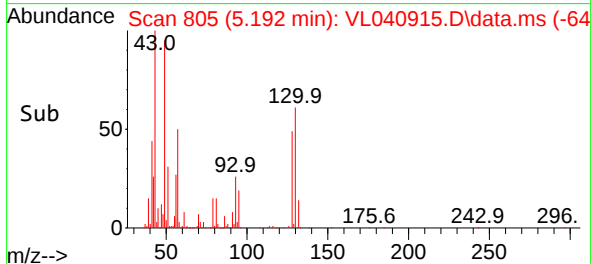
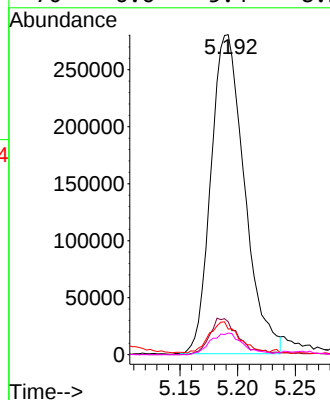
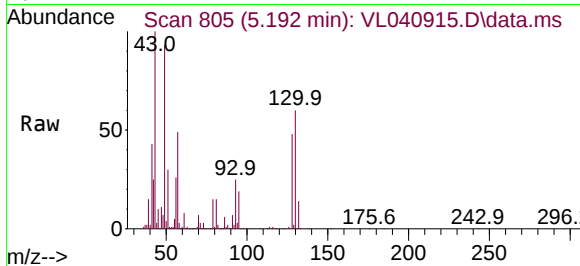


#25
Ethyl Acetate
Concen: 2.088 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.006 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 565236

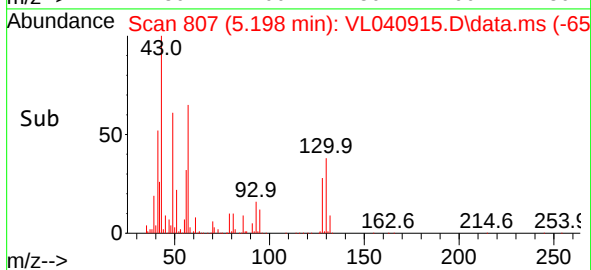
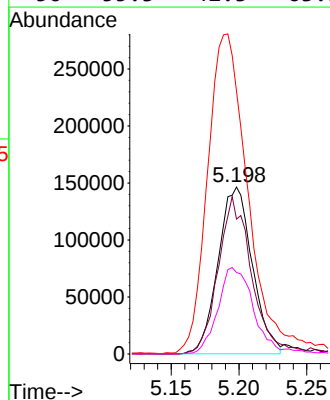
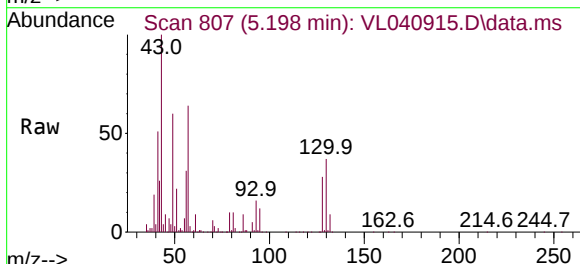
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.2	12.2
61	10.9	7.6	11.4
70	6.6	5.4	8.2

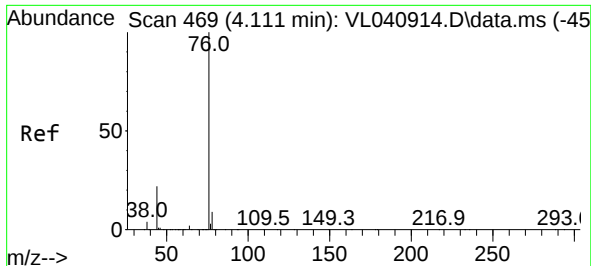


#26
Hexane
Concen: 2.123 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 57 Resp: 256567

Ion	Ratio	Lower	Upper
57	100		
41	95.0	75.2	112.8
43	233.1	188.0	282.0
56	55.3	42.3	63.5

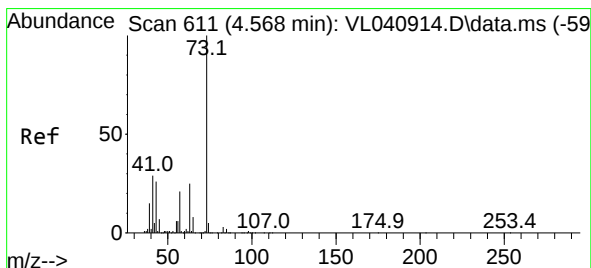
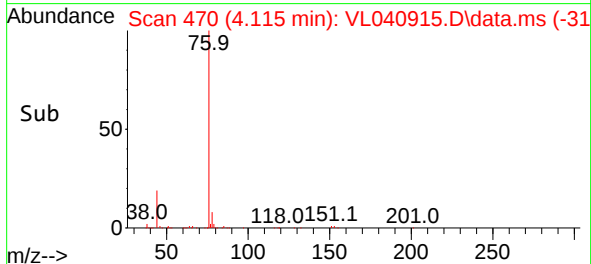
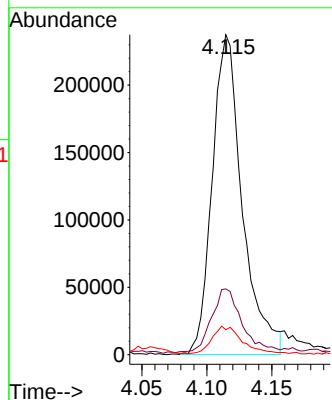
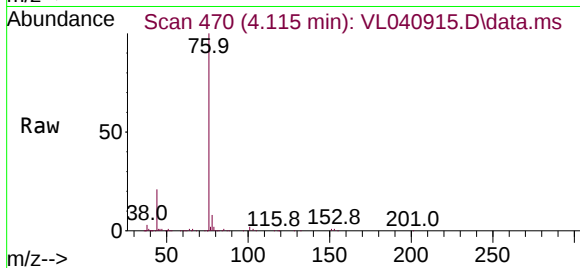




#27
Carbon Disulfide
Concen: 2.345 ppbv
RT: 4.115 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

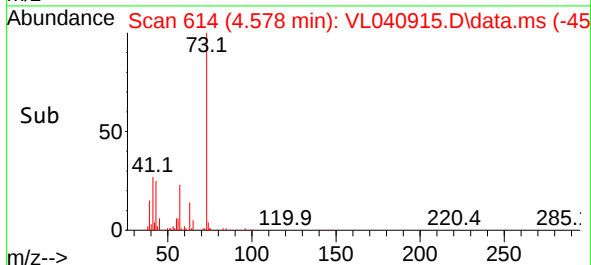
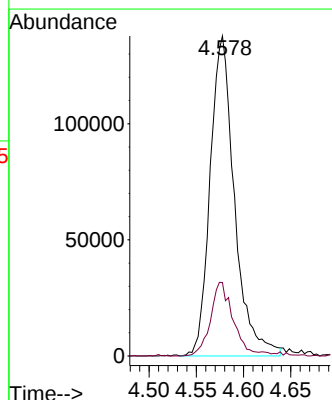
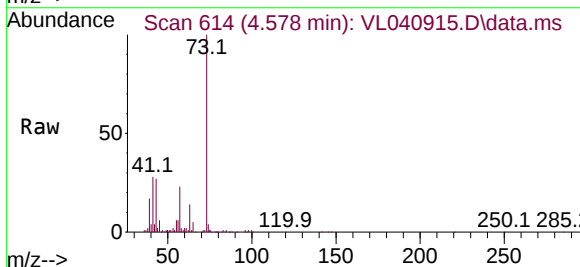
Instrument :
MSVOA_L
ClientSampleId :

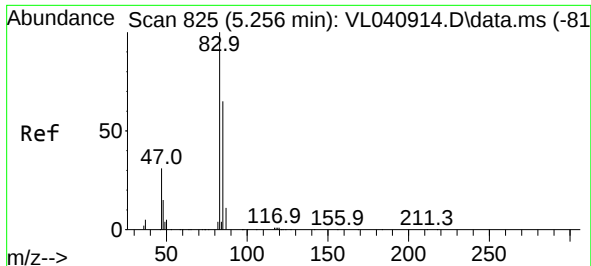
Tgt Ion: 76 Resp: 380827
Ion Ratio Lower Upper
76 100
44 21.2 18.4 27.6
78 10.1 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 2.216 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.010 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 73 Resp: 246667
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0





#29

Chloroform

Concen: 2.151 ppbv

RT: 5.256 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

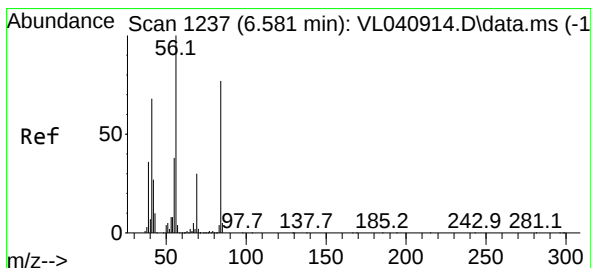
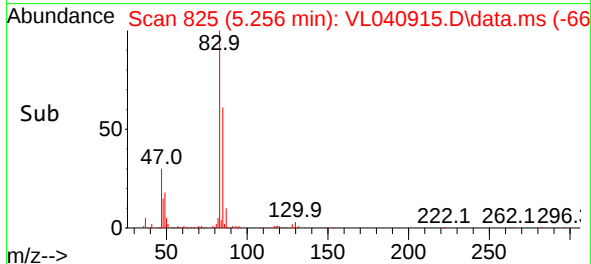
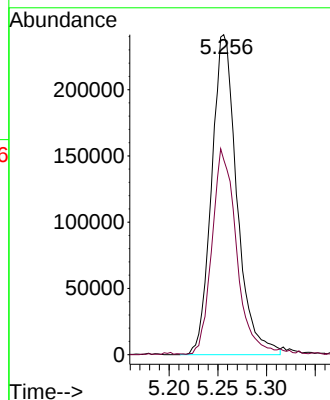
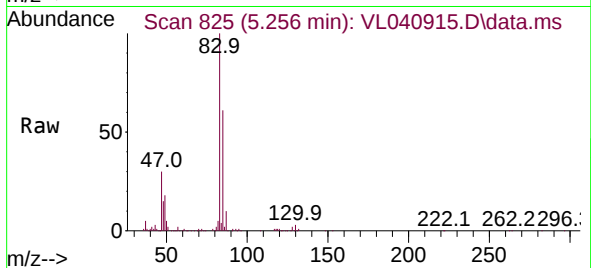
ClientSampleId :

Tgt Ion: 83 Resp: 435571

Ion Ratio Lower Upper

83 100

85 60.7 52.3 78.5



#30

Cyclohexane

Concen: 2.142 ppbv

RT: 6.578 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

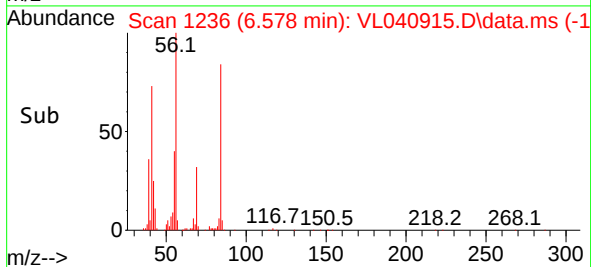
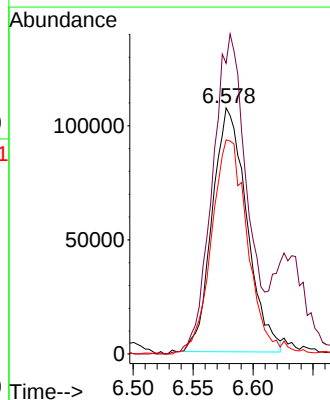
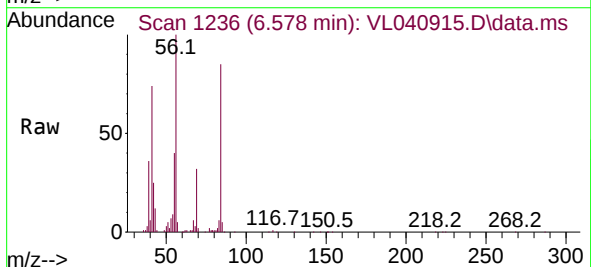
Tgt Ion: 84 Resp: 214238

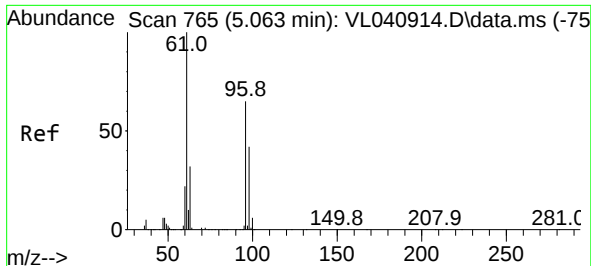
Ion Ratio Lower Upper

84 100

56 171.3 111.4 167.2#

41 91.7 70.0 105.0

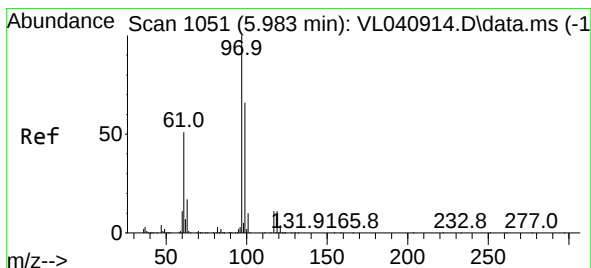
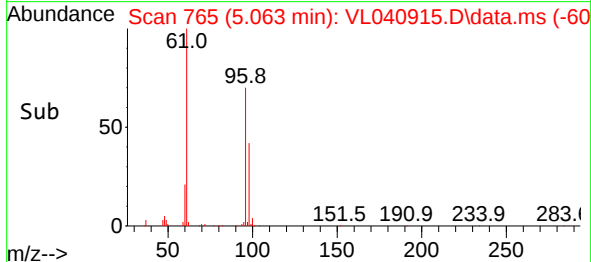
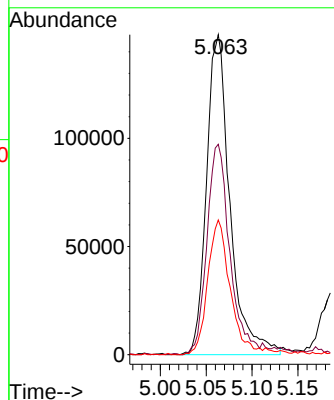
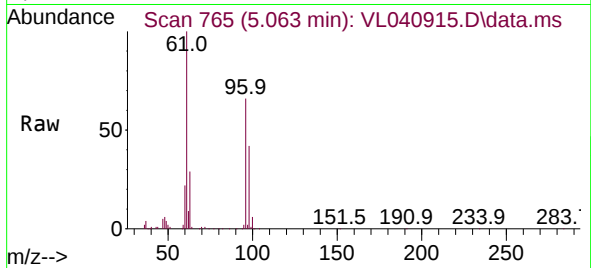




#31
 cis-1,2-Dichloroethene
 Concen: 2.128 ppbv
 RT: 5.063 min Scan# 765
 Delta R.T. 0.000 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

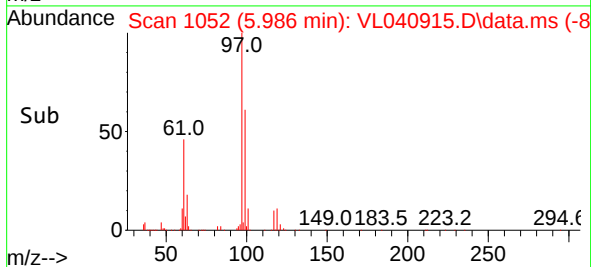
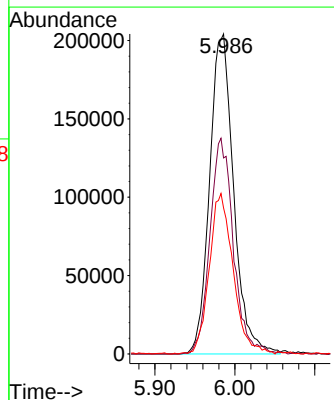
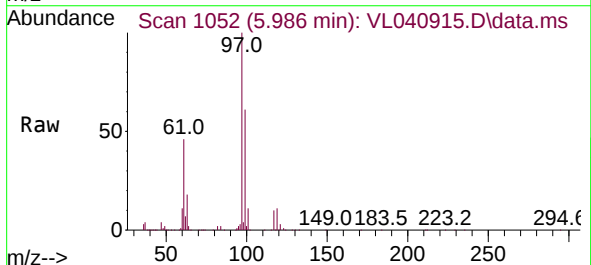
Instrument :
 MSVOA_L
 ClientSampleId :

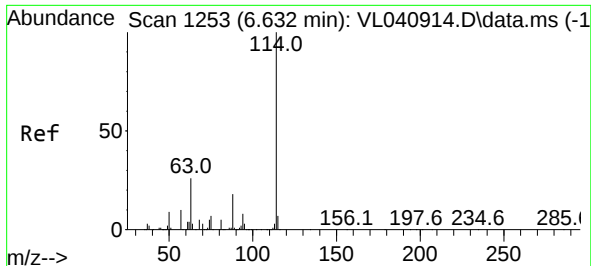
Tgt Ion: 61 Resp: 262209
 Ion Ratio Lower Upper
 61 100
 96 65.7 51.7 77.5
 98 42.1 33.2 49.8



#32
 1,1,1-Trichloroethane
 Concen: 2.210 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

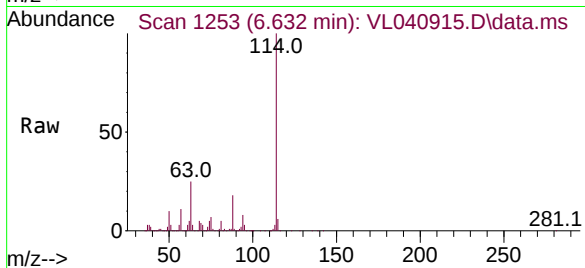
Tgt Ion: 97 Resp: 426373
 Ion Ratio Lower Upper
 97 100
 99 66.0 51.8 77.6
 61 49.9 41.0 61.6



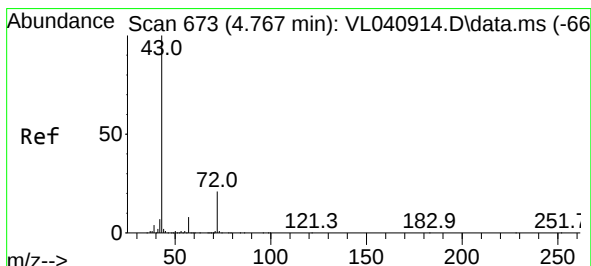
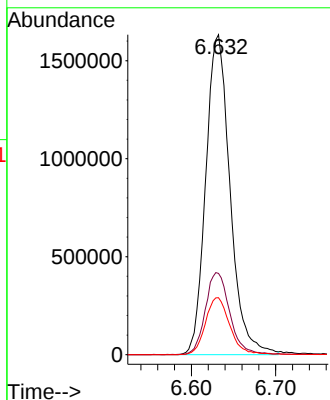
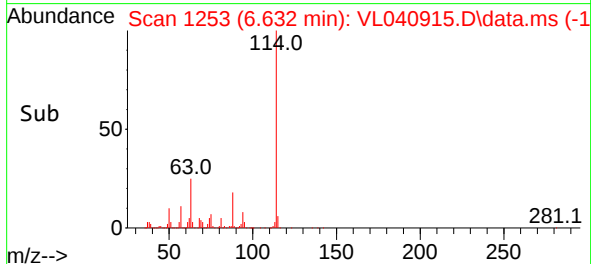


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :

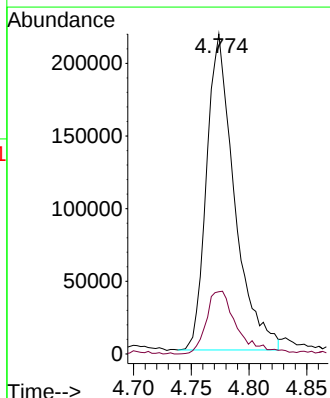
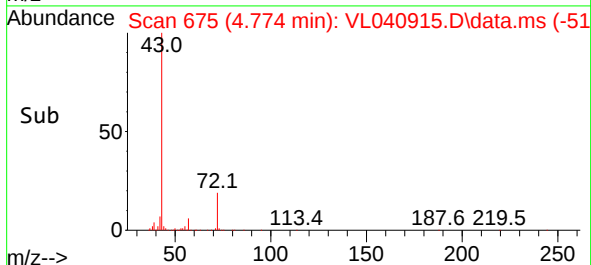
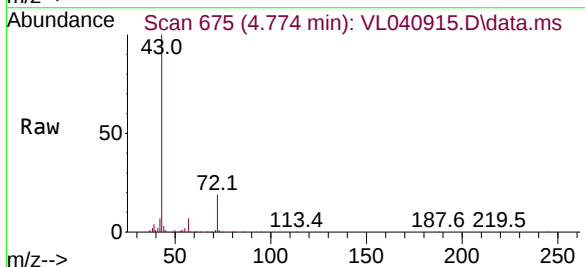


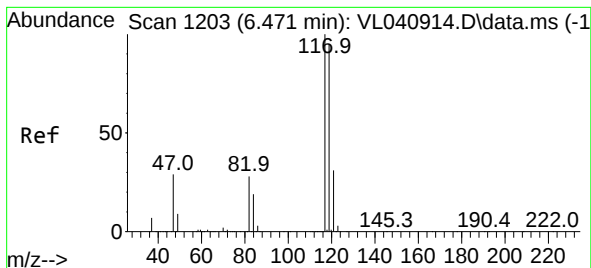
Tgt Ion:114 Resp: 3273636
Ion Ratio Lower Upper
114 100
63 26.0 21.0 31.6
88 18.0 14.3 21.5



#34
2-Butanone
Concen: 2.104 ppbv
RT: 4.774 min Scan# 675
Delta R.T. 0.006 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 43 Resp: 364402
Ion Ratio Lower Upper
43 100
72 21.9 17.2 25.8





#35

Carbon Tetrachloride

Concen: 2.151 ppbv

RT: 6.471 min Scan# 117

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

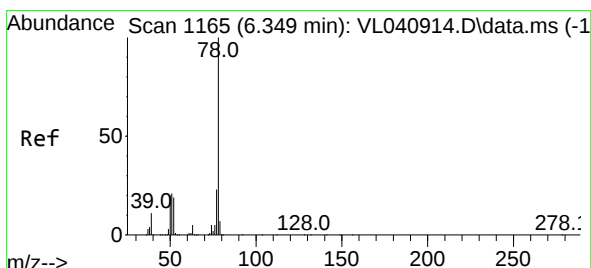
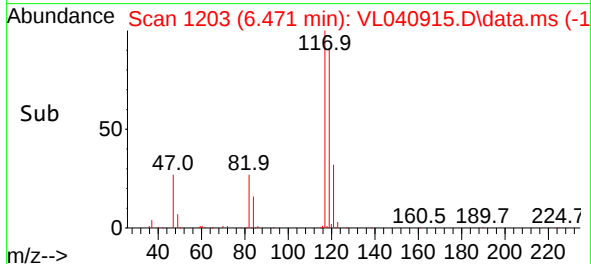
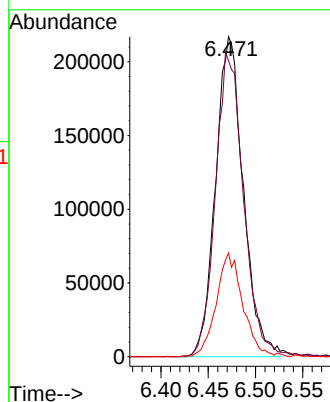
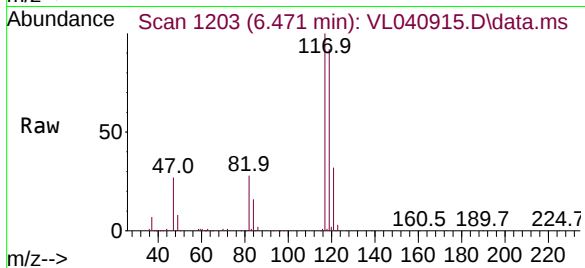
Tgt Ion:117 Resp: 442766

Ion Ratio Lower Upper

117 100

119 92.5 76.3 114.5

121 32.4 24.9 37.3



#36

Benzene

Concen: 2.136 ppbv

RT: 6.349 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

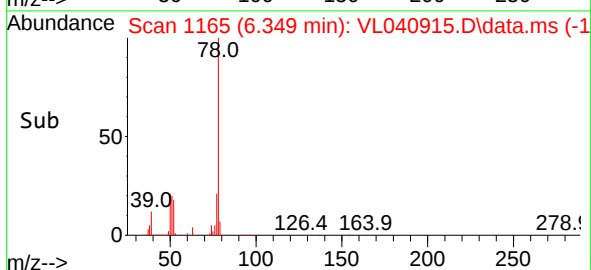
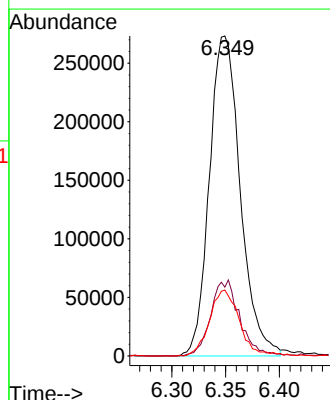
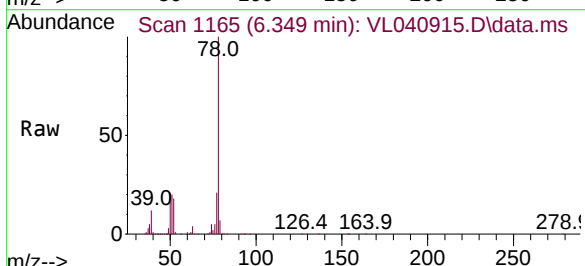
Tgt Ion: 78 Resp: 546505

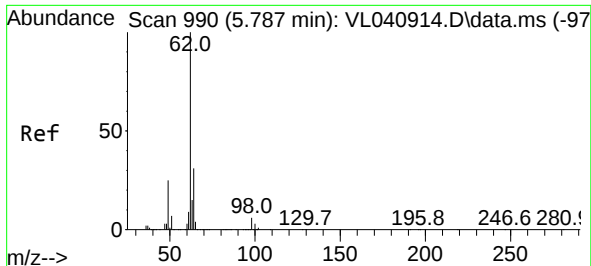
Ion Ratio Lower Upper

78 100

77 21.2 18.4 27.6

50 20.5 16.0 24.0





#37

1,2-Dichloroethane

Concen: 2.066 ppbv

RT: 5.787 min Scan# 990

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

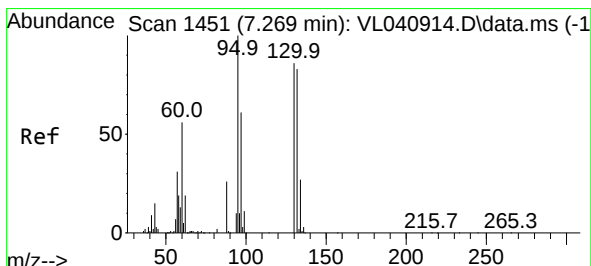
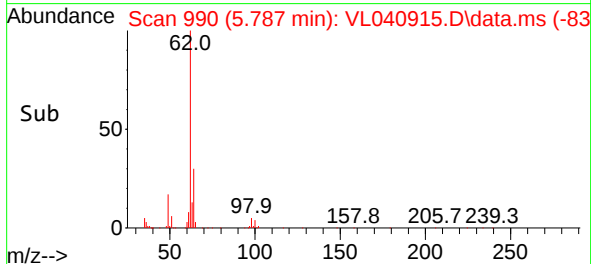
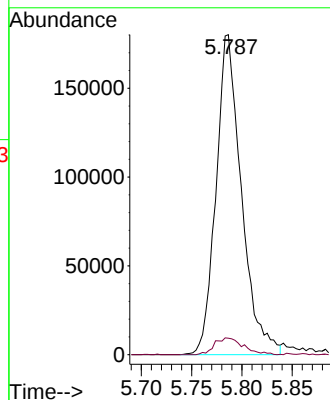
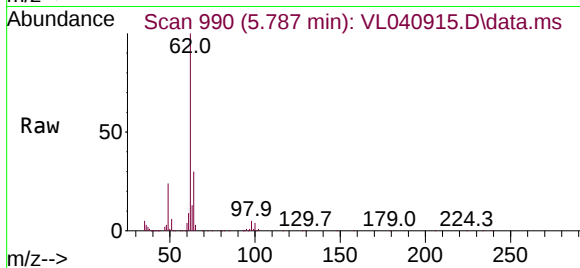
ClientSampleId :

Tgt Ion: 62 Resp: 316801

Ion Ratio Lower Upper

62 100

98 5.9 4.6 7.0



#38

Trichloroethene

Concen: 2.102 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Tgt Ion:130 Resp: 206857

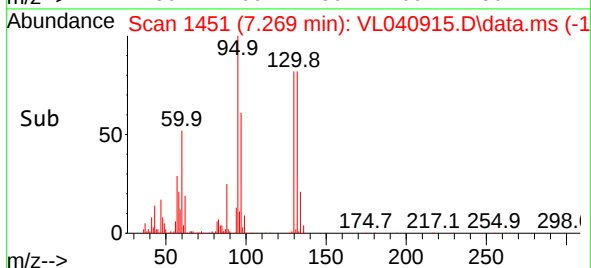
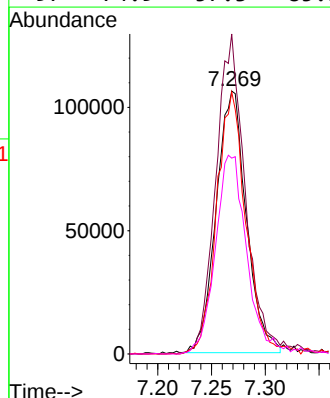
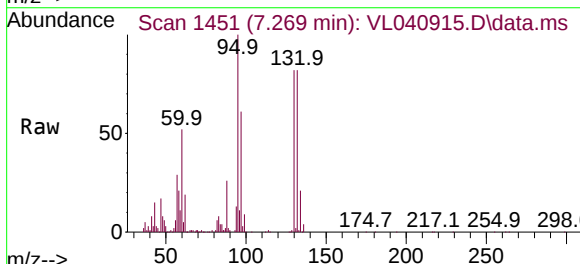
Ion Ratio Lower Upper

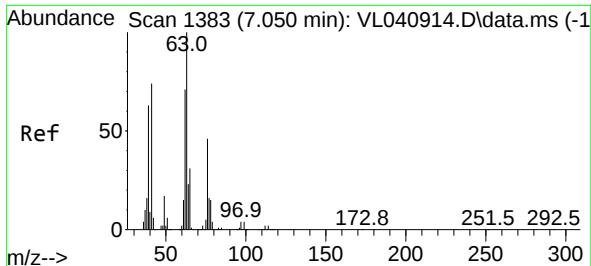
130 100

95 121.8 93.5 140.3

132 100.2 77.4 116.2

97 74.9 57.3 85.9





#39

1,2-Dichloropropane

Concen: 2.001 ppbv

RT: 7.050 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

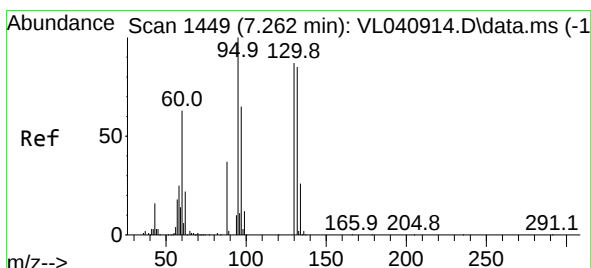
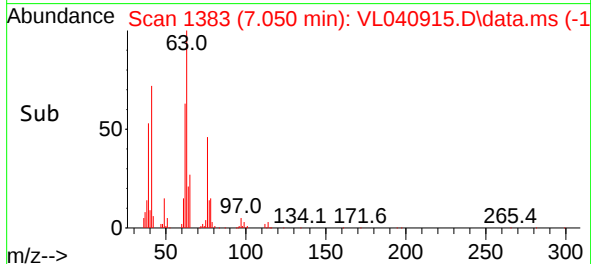
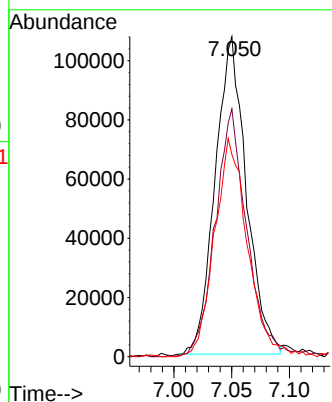
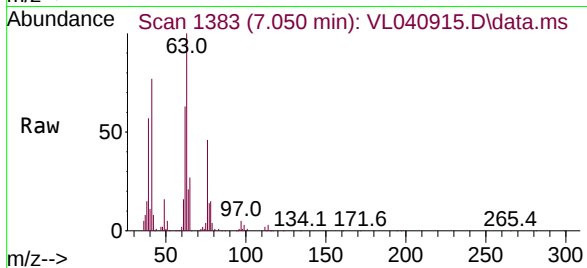
Tgt Ion: 63 Resp: 201834

Ion Ratio Lower Upper

63 100

41 77.7 59.0 88.6

62 63.6 56.6 85.0



#40

1,4-Dioxane

Concen: 0.779 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.006 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Tgt Ion: 88 Resp: 32487

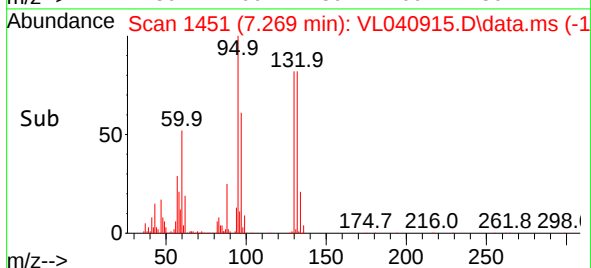
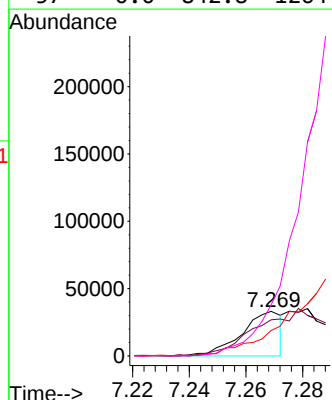
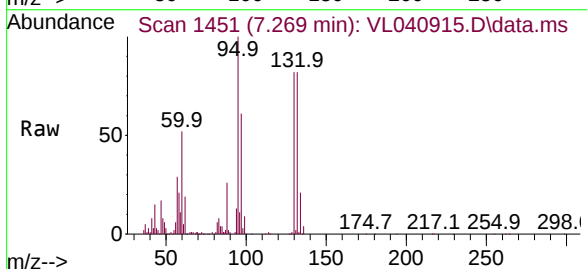
Ion Ratio Lower Upper

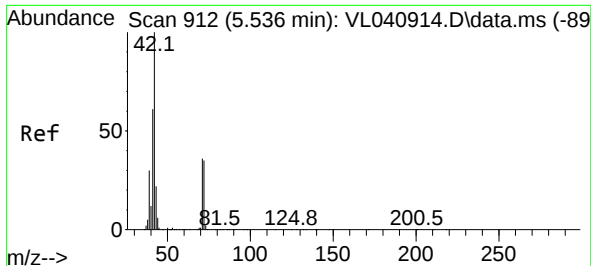
88 100

58 0.0 97.3 145.9#

43 0.0 200.6 300.8#

57 0.0 842.8 1264.2#





#41

Tetrahydrofuran

Concen: 2.086 ppbv

RT: 5.549 min Scan# 912

Delta R.T. 0.013 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

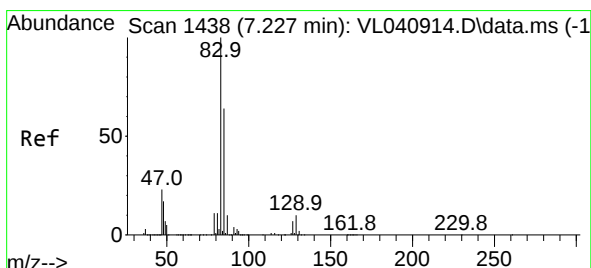
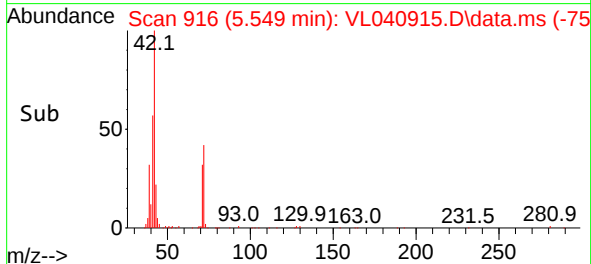
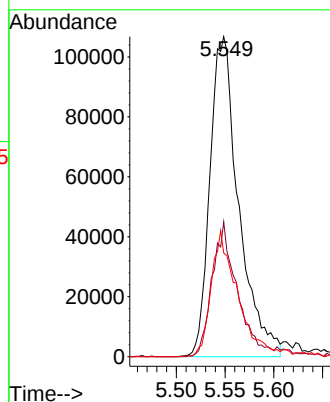
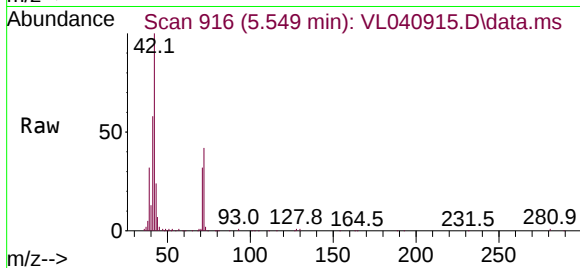
Tgt Ion: 42 Resp: 219201

Ion Ratio Lower Upper

42 100

72 38.7 29.6 44.4

71 37.5 29.1 43.7



#42

Bromodichloromethane

Concen: 2.103 ppbv

RT: 7.227 min Scan# 1438

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

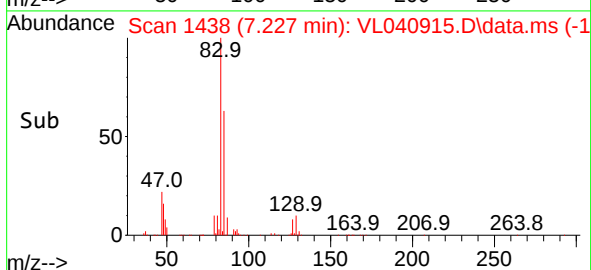
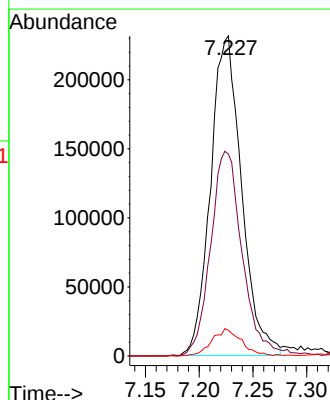
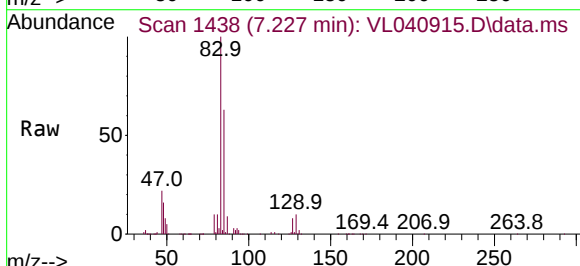
Tgt Ion: 83 Resp: 465084

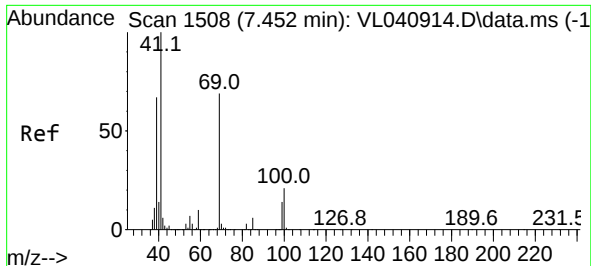
Ion Ratio Lower Upper

83 100

85 63.0 51.4 77.0

127 8.1 5.9 8.9

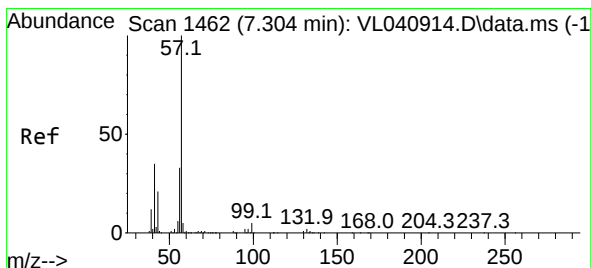
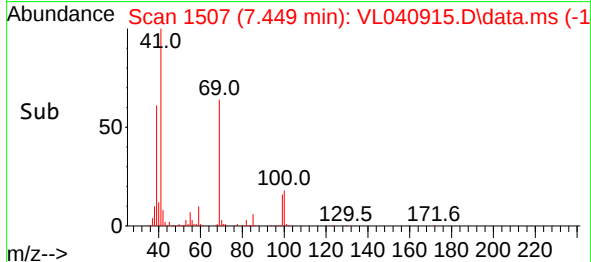
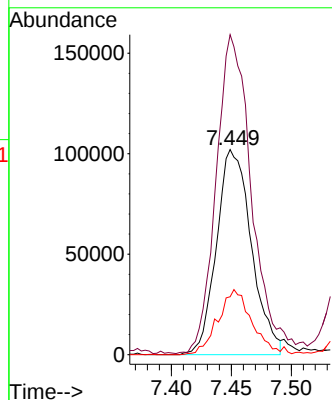
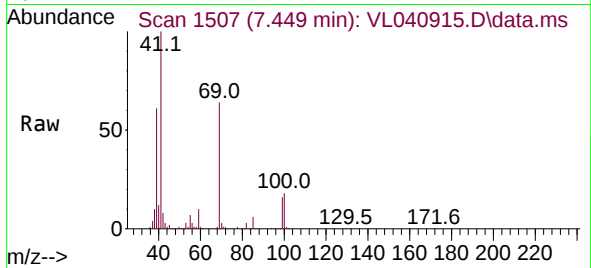




#43
Methyl Methacrylate
Concen: 2.074 ppbv
RT: 7.449 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

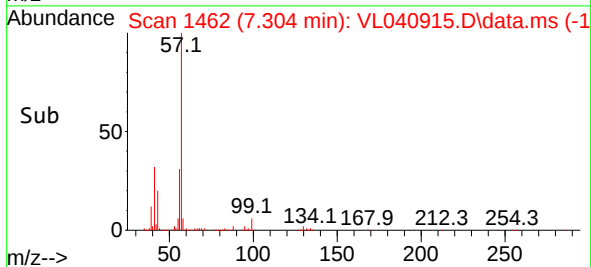
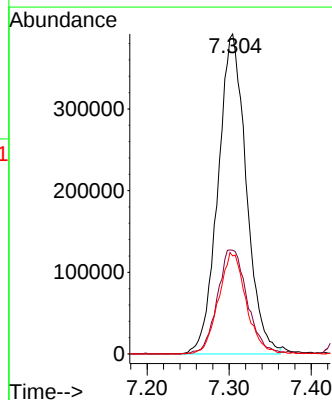
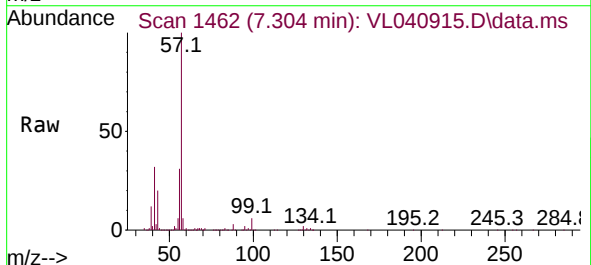
Instrument :
MSVOA_L
ClientSampleId :

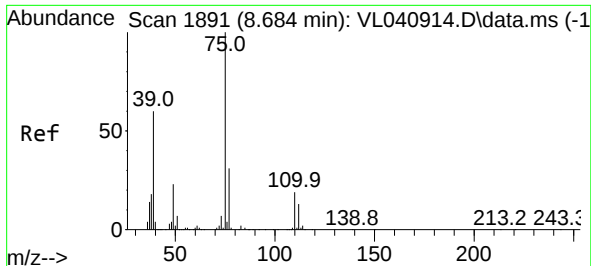
Tgt Ion: 69 Resp: 206936
Ion Ratio Lower Upper
69 100
41 158.6 119.9 179.9
100 31.1 25.1 37.7



#44
2,2,4-Trimethylpentane
Concen: 2.159 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 57 Resp: 938474
Ion Ratio Lower Upper
57 100
41 34.7 28.2 42.4
56 31.1 25.3 37.9

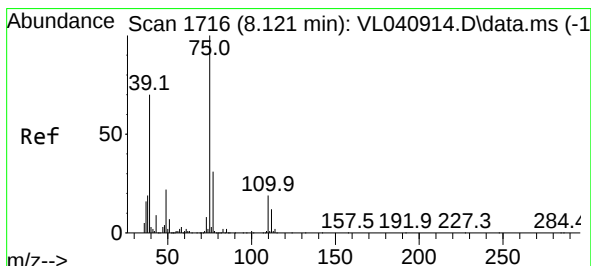
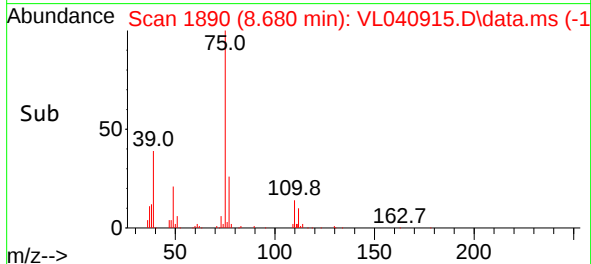
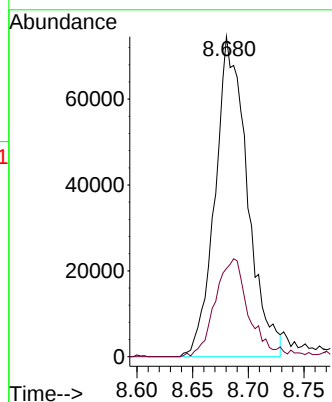
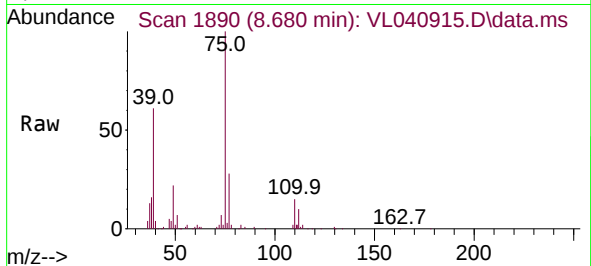




#45
t-1,3-Dichloropropene
Concen: 2.027 ppbv
RT: 8.680 min Scan# 1891
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

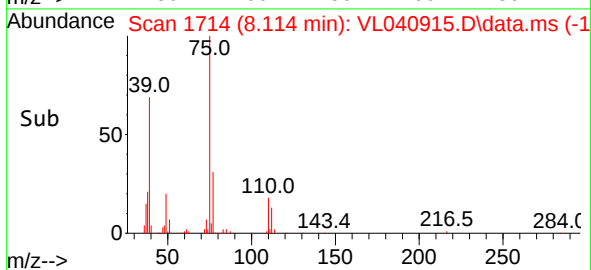
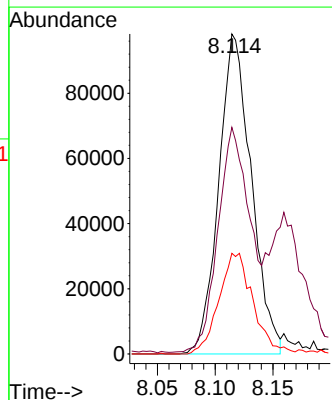
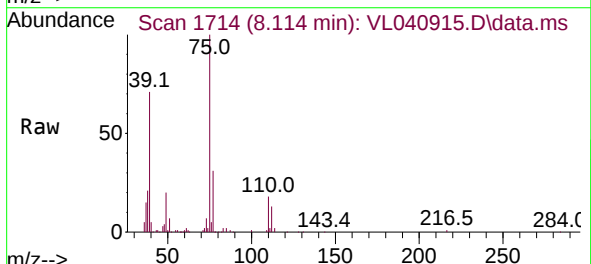
Instrument :
MSVOA_L
ClientSampleId :

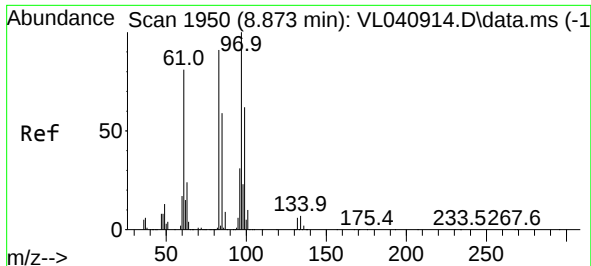
Tgt Ion: 75 Resp: 149951
Ion Ratio Lower Upper
75 100
77 27.5 24.8 37.2



#46
cis-1,3-Dichloropropene
Concen: 2.088 ppbv
RT: 8.114 min Scan# 1714
Delta R.T. -0.006 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 75 Resp: 192361
Ion Ratio Lower Upper
75 100
39 70.1 56.2 84.4
77 31.4 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 2.093 ppbv

RT: 8.867 min Scan# 1950

Delta R.T. -0.006 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 225886

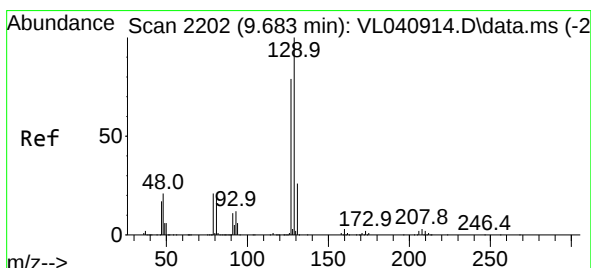
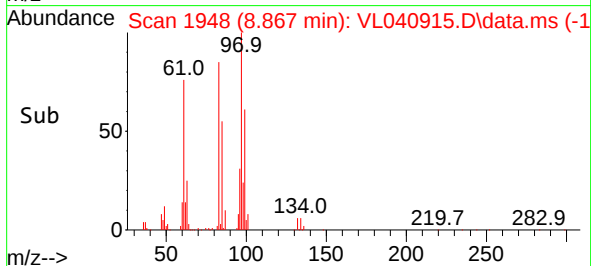
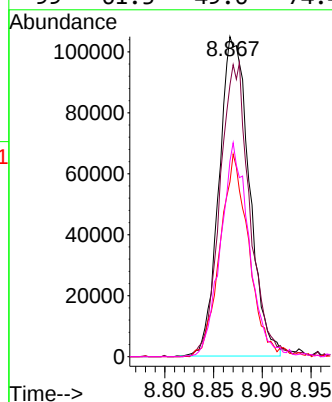
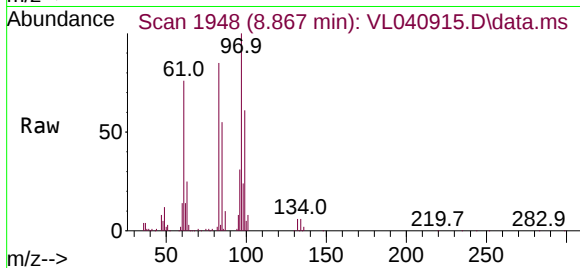
Ion Ratio Lower Upper

97 100

83 85.1 72.6 108.8

85 55.6 47.4 71.0

99 61.3 49.6 74.4



#48

Dibromochloromethane

Concen: 2.126 ppbv

RT: 9.684 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VL040915.D

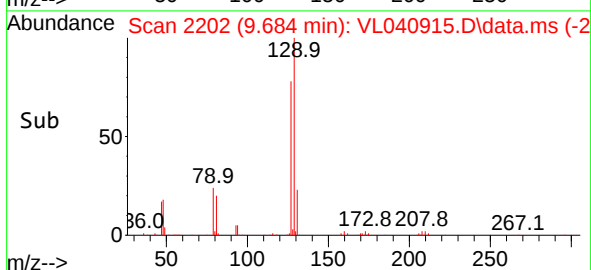
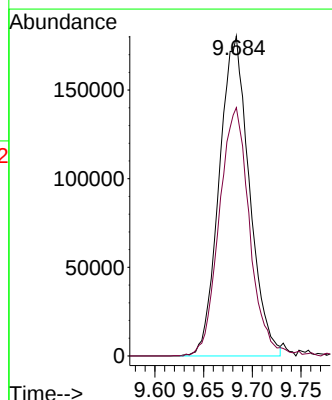
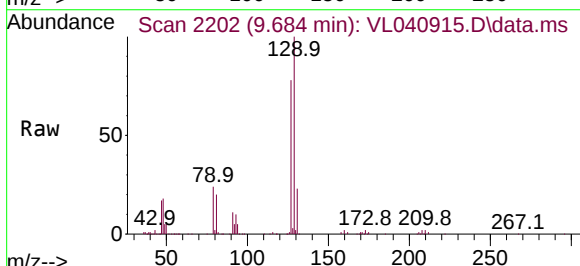
Acq: 20 Dec 2023 11:48

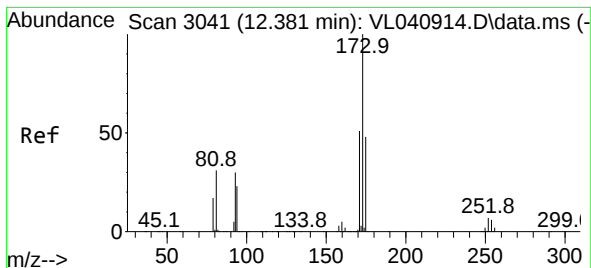
Tgt Ion: 129 Resp: 387432

Ion Ratio Lower Upper

129 100

127 78.8 39.6 119.0





#49

Bromoform

Concen: 1.227 ppbv

RT: 12.372 min Scan# 3041

Delta R.T. -0.010 min

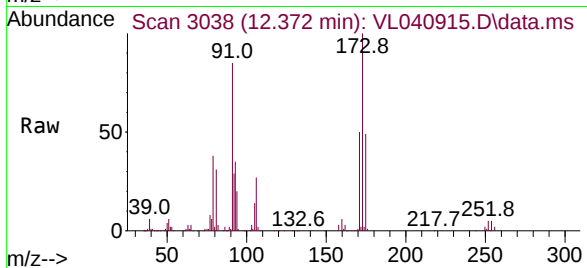
Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :



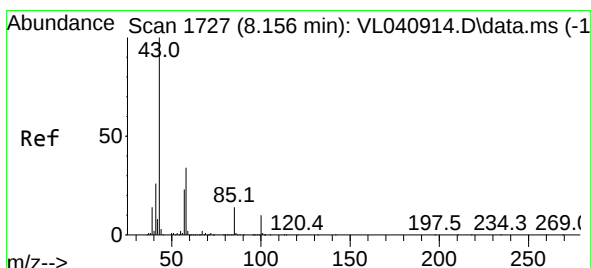
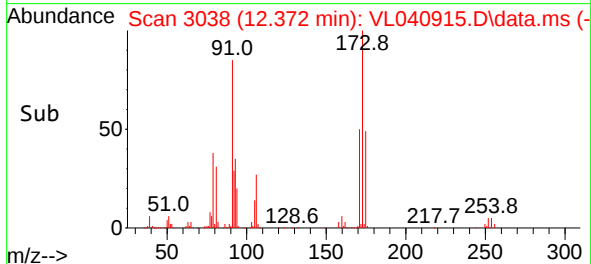
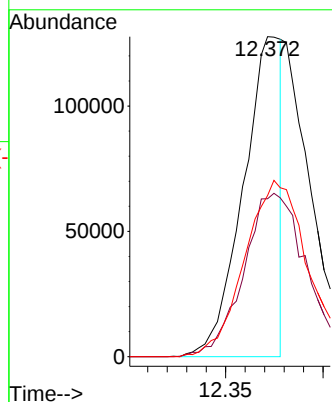
Tgt Ion:173 Resp: 172955

Ion Ratio Lower Upper

173 100

175 86.6 39.3 58.9#

171 93.6 41.8 62.6#



#50

4-Methyl-2-Pentanone

Concen: 2.150 ppbv

RT: 8.159 min Scan# 1728

Delta R.T. 0.003 min

Lab File: VL040915.D

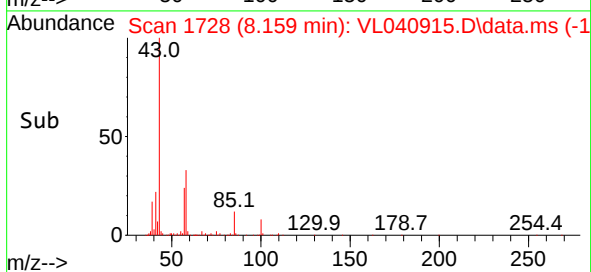
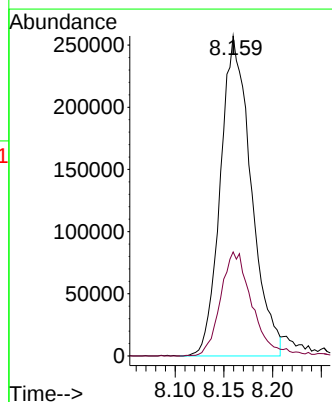
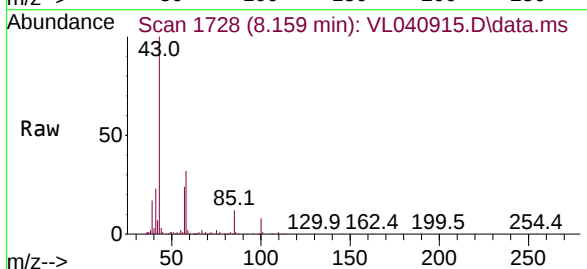
Acq: 20 Dec 2023 11:48

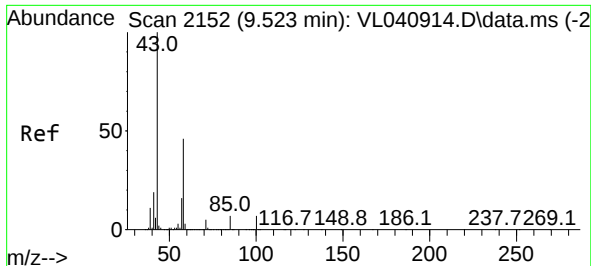
Tgt Ion: 43 Resp: 565116

Ion Ratio Lower Upper

43 100

58 34.3 27.4 41.0

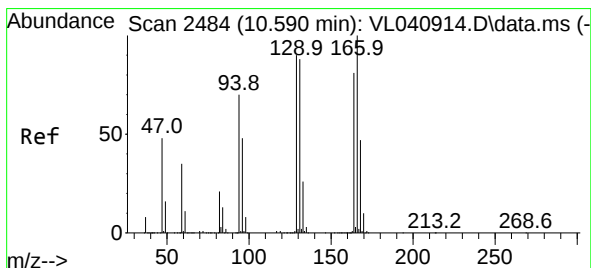
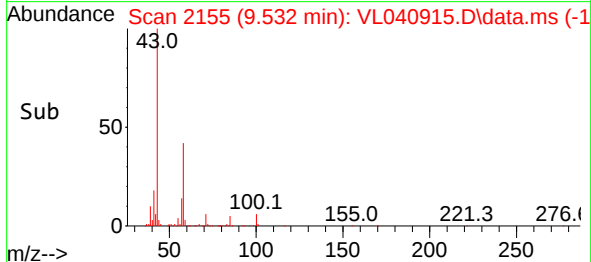
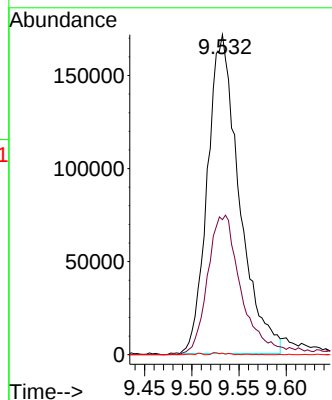
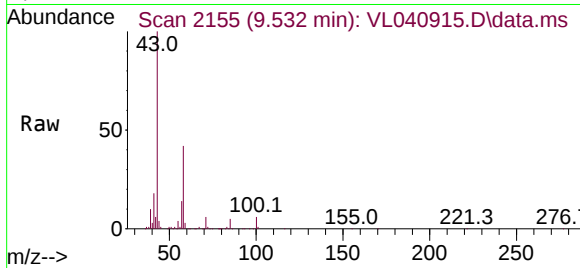




#51
2-Hexanone
Concen: 2.122 ppbv
RT: 9.532 min Scan# 2152
Delta R.T. 0.010 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

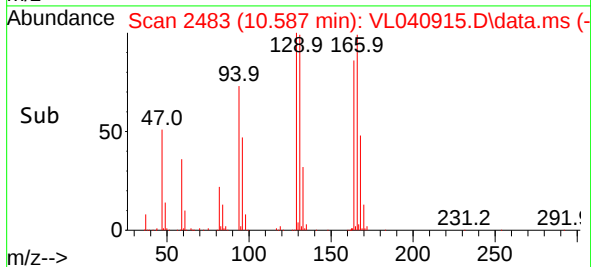
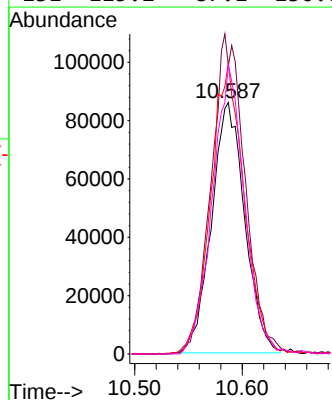
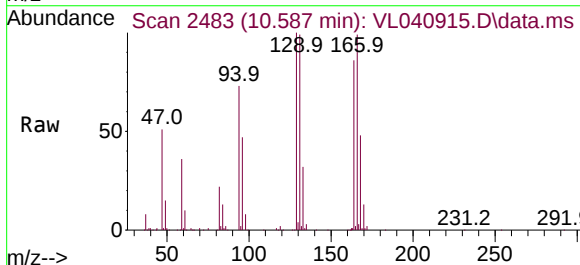
Instrument :
MSVOA_L
ClientSampleId :

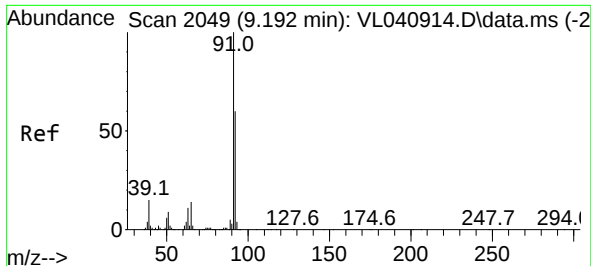
Tgt Ion: 43 Resp: 401275
Ion Ratio Lower Upper
43 100
58 47.8 37.3 55.9
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 2.128 ppbv
RT: 10.587 min Scan# 2483
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion:164 Resp: 183647
Ion Ratio Lower Upper
164 100
166 114.3 98.9 148.3
129 114.9 88.7 133.1
131 115.2 87.1 130.7

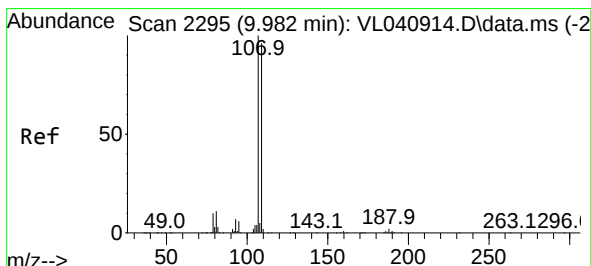
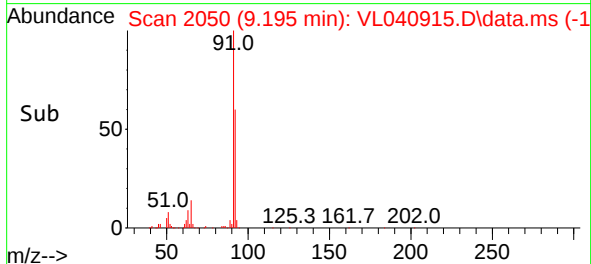
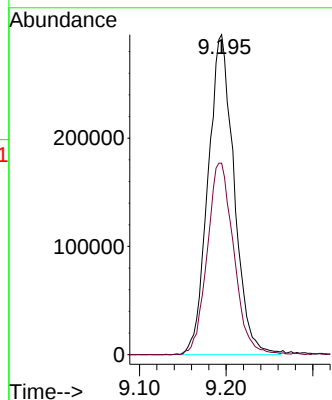
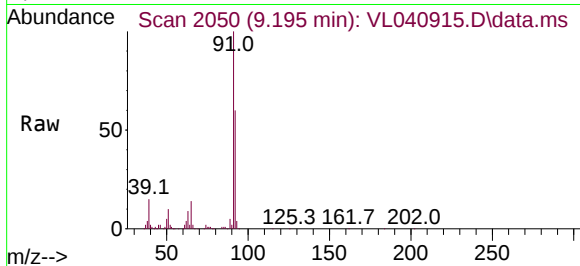




#53
Toluene
Concen: 2.153 ppbv
RT: 9.195 min Scan# 2049
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

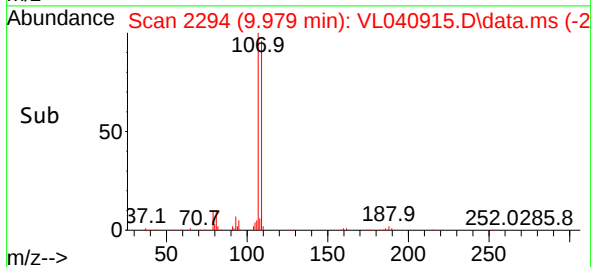
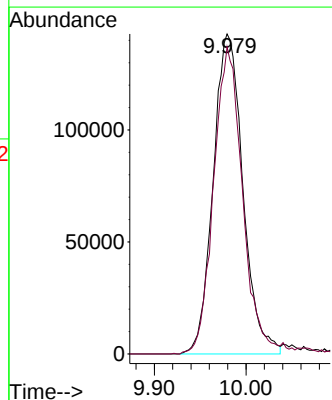
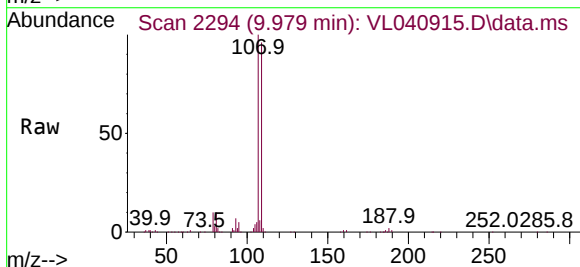
Instrument :
MSVOA_L
ClientSampleId :

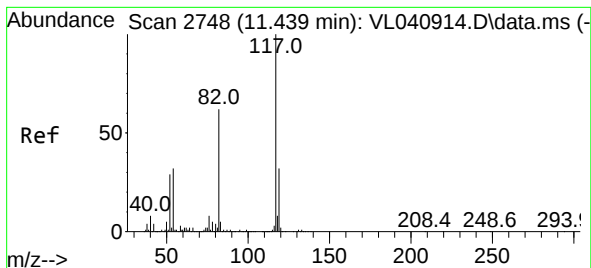
Tgt Ion: 91 Resp: 615734
Ion Ratio Lower Upper
91 100
92 61.5 49.2 73.8



#54
1,2-Dibromoethane
Concen: 2.183 ppbv
RT: 9.979 min Scan# 2294
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 107 Resp: 321599
Ion Ratio Lower Upper
107 100
109 96.0 77.0 115.4

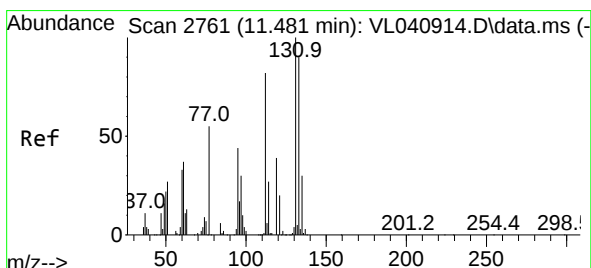
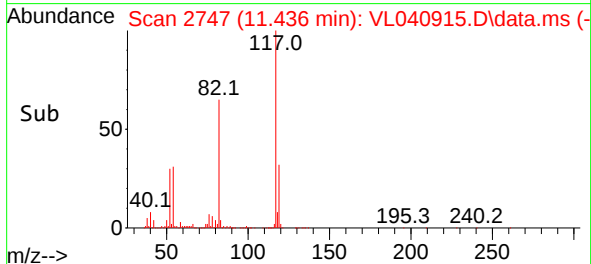
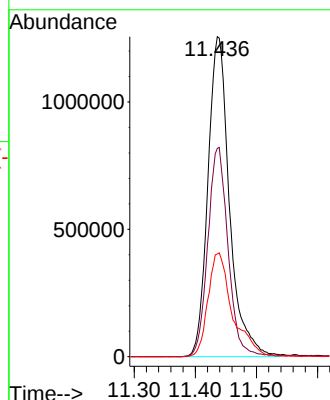
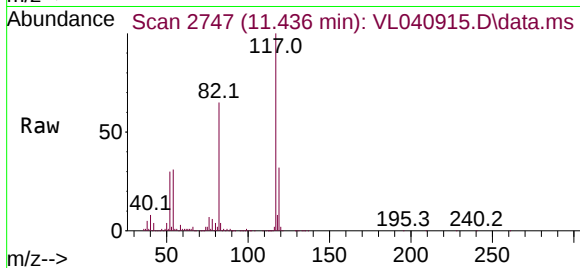




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2748
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

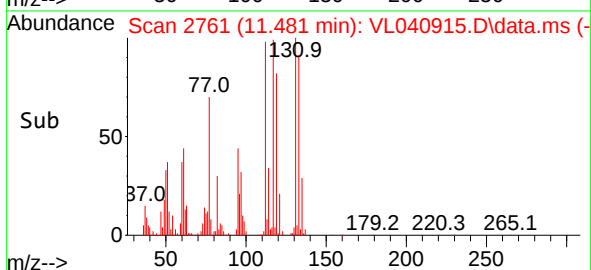
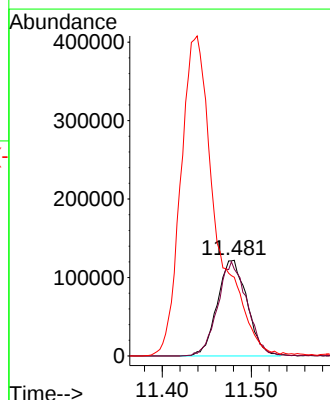
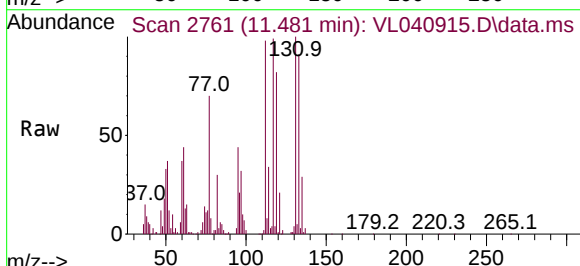
Instrument :
MSVOA_L
ClientSampleId :

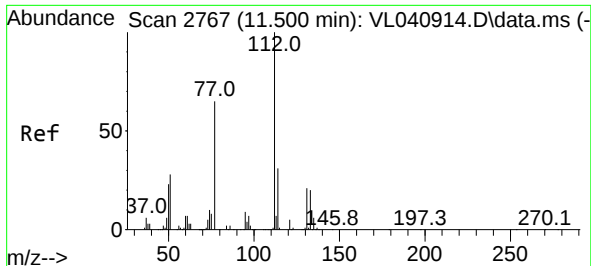
Tgt Ion:117 Resp: 3081487
Ion Ratio Lower Upper
117 100
82 61.5 49.6 74.4
119 36.7 23.4 35.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 2.102 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion:131 Resp: 283210
Ion Ratio Lower Upper
131 100
133 97.6 76.3 114.5
119 399.8 48.6 73.0#





#57

Chlorobenzene

Concen: 2.161 ppbv

RT: 11.494 min Scan# 2765

Delta R.T. -0.006 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

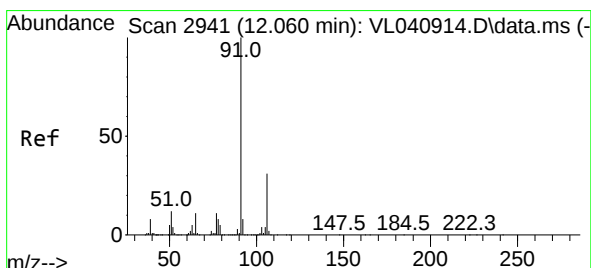
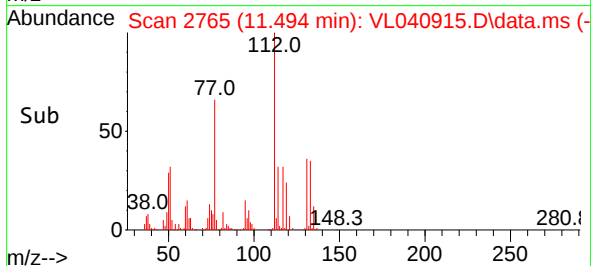
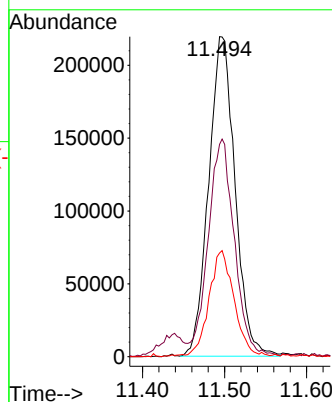
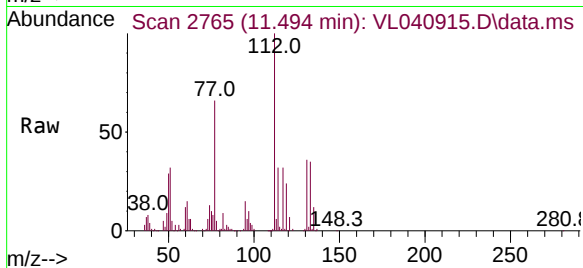
Tgt Ion:112 Resp: 491555

Ion Ratio Lower Upper

112 100

77 66.1 52.7 79.1

114 32.2 28.4 34.7



#58

Ethyl Benzene

Concen: 2.152 ppbv

RT: 12.060 min Scan# 2941

Delta R.T. 0.000 min

Lab File: VL040915.D

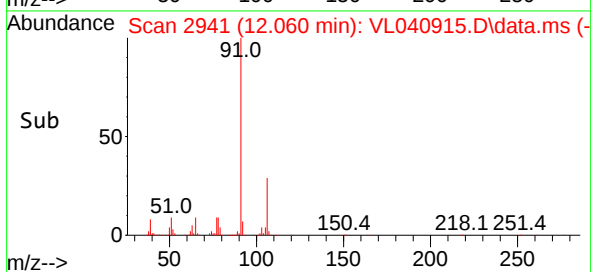
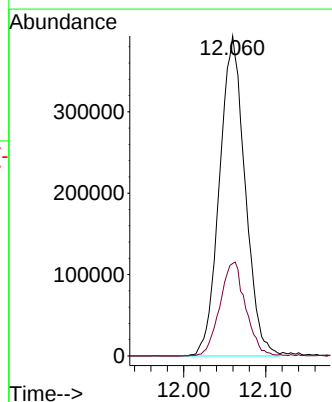
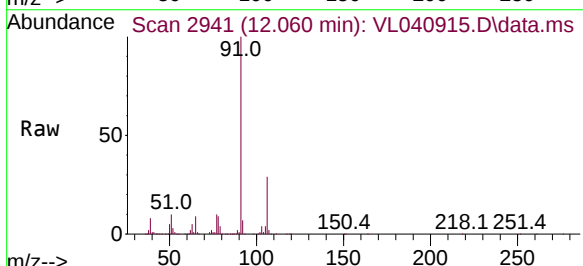
Acq: 20 Dec 2023 11:48

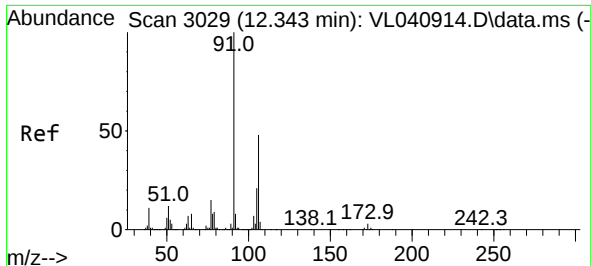
Tgt Ion: 91 Resp: 852099

Ion Ratio Lower Upper

91 100

106 28.9 24.9 37.3





#59

m/p-Xylene

Concen: 1.964 ppbv

RT: 12.339 min Scan# 3029

Delta R.T. -0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

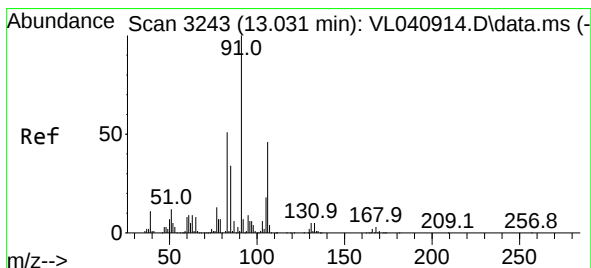
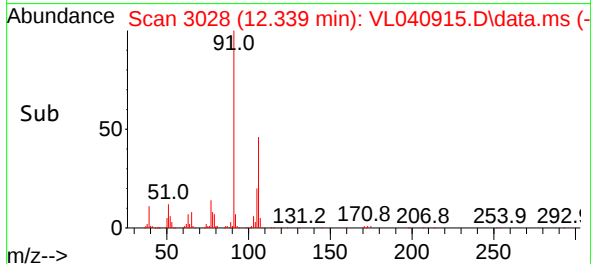
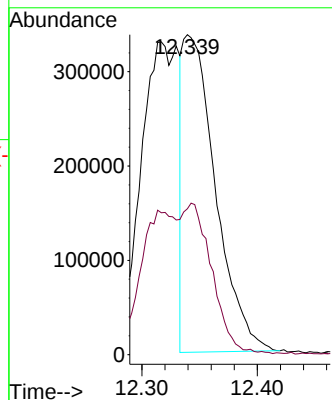
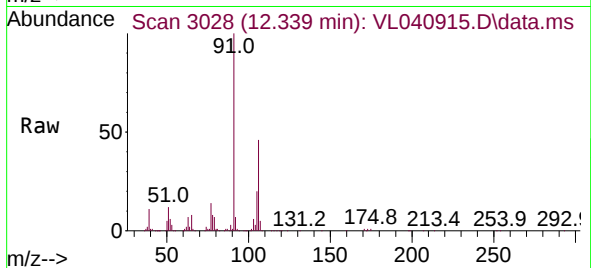
ClientSampleId :

Tgt Ion: 91 Resp: 661361

Ion Ratio Lower Upper

91 100

106 96.0 0.0 0.0#



#60

o-Xylene

Concen: 2.162 ppbv

RT: 13.027 min Scan# 3242

Delta R.T. -0.003 min

Lab File: VL040915.D

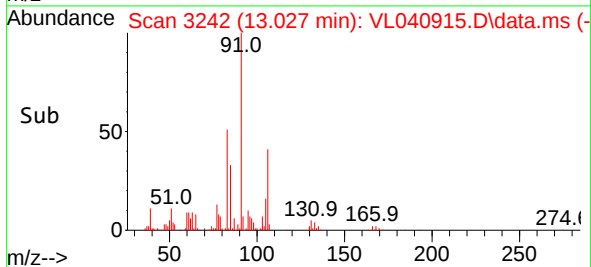
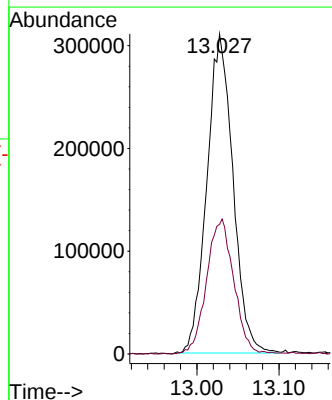
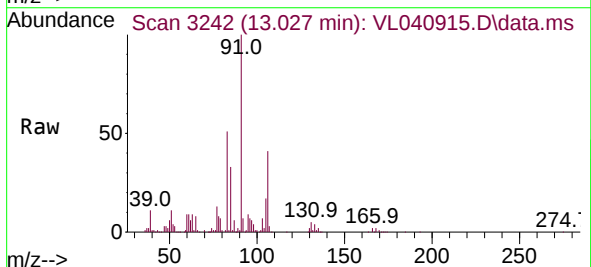
Acq: 20 Dec 2023 11:48

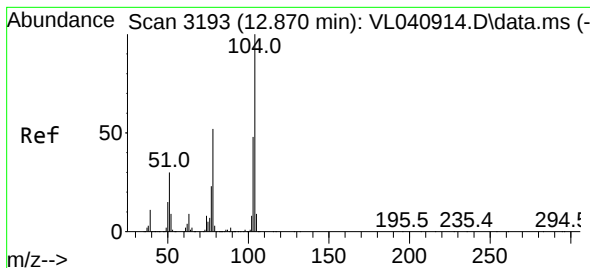
Tgt Ion: 91 Resp: 685932

Ion Ratio Lower Upper

91 100

106 44.2 22.6 67.7





#61

Styrene

Concen: 2.151 ppbv

RT: 12.870 min Scan# 3193

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

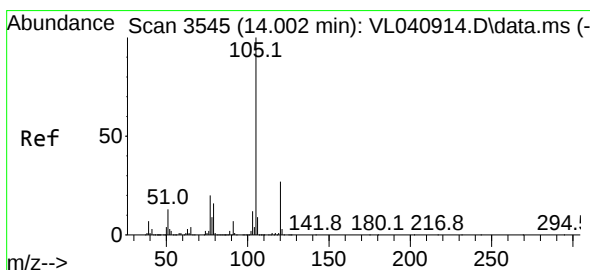
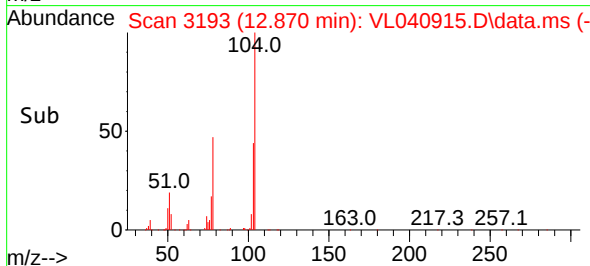
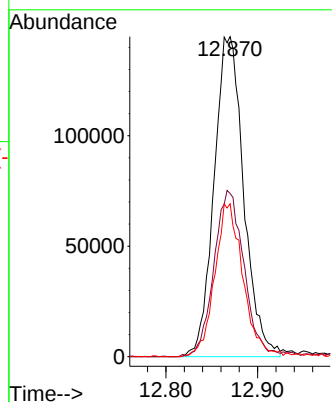
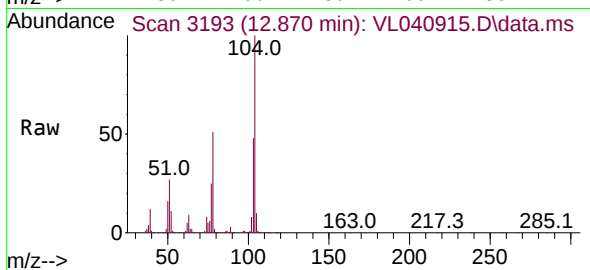
Tgt Ion:104 Resp: 325429

Ion Ratio Lower Upper

104 100

78 53.5 43.0 64.4

103 46.3 37.6 56.4



#62

Isopropylbenzene

Concen: 2.155 ppbv

RT: 13.998 min Scan# 3544

Delta R.T. -0.003 min

Lab File: VL040915.D

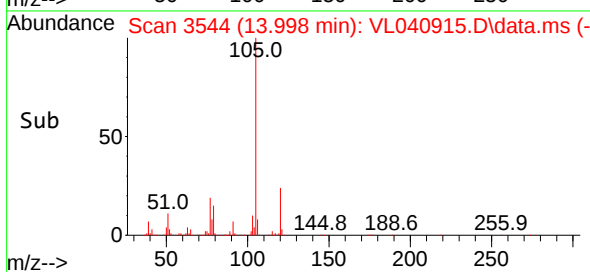
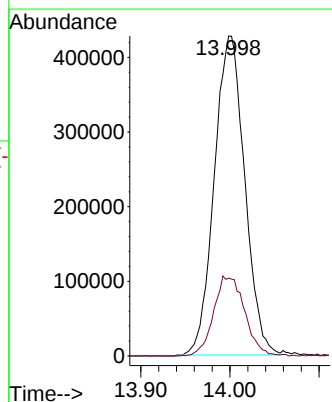
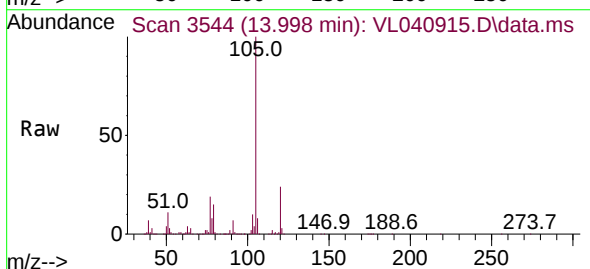
Acq: 20 Dec 2023 11:48

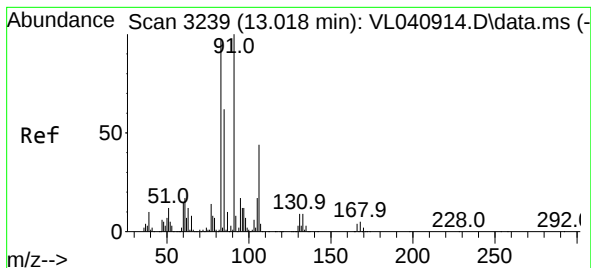
Tgt Ion:105 Resp: 1013849

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

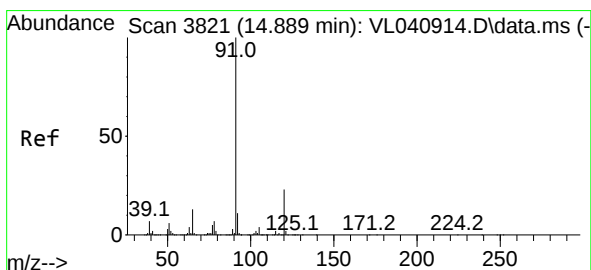
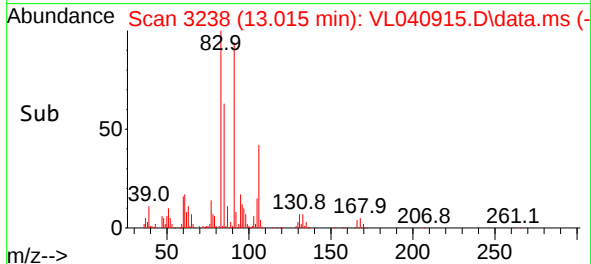
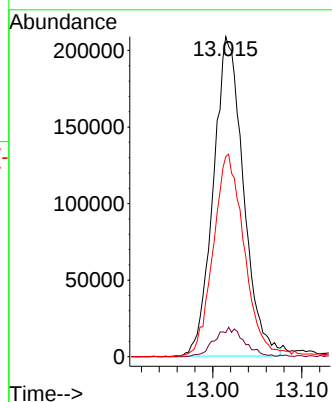
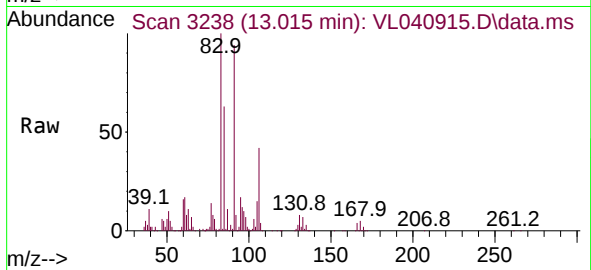




#63
1,1,2,2-Tetrachloroethane
Concen: 2.145 ppbv
RT: 13.015 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

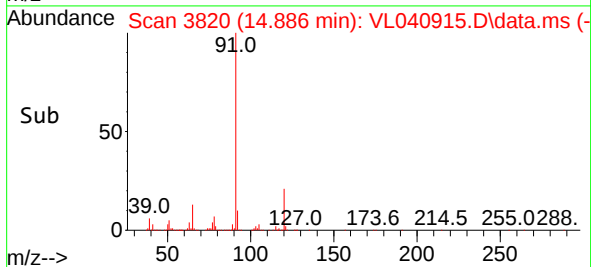
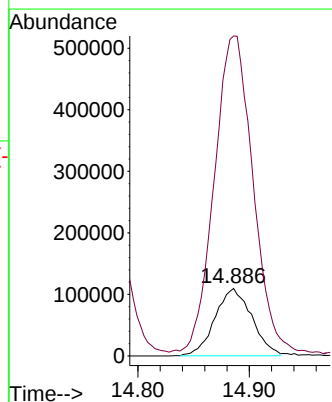
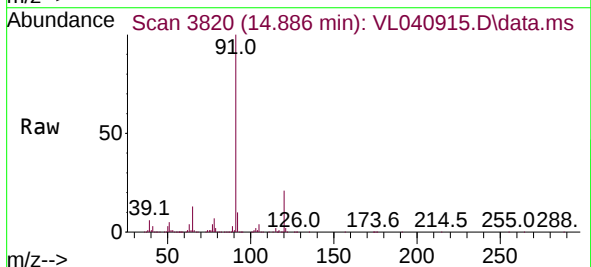
Instrument :
MSVOA_L
ClientSampleId :

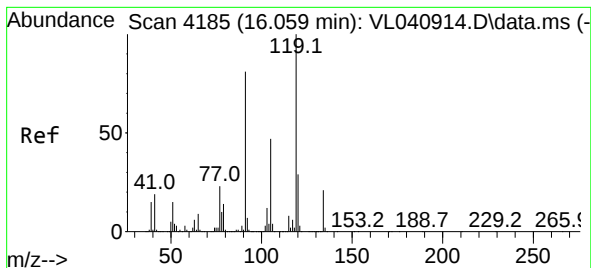
Tgt Ion: 83 Resp: 488653
Ion Ratio Lower Upper
83 100
131 9.2 4.7 14.0
85 66.8 32.6 98.0



#64
n-propylbenzene
Concen: 2.114 ppbv
RT: 14.886 min Scan# 3820
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion:120 Resp: 250925
Ion Ratio Lower Upper
120 100
91 513.5 381.9 572.9





#65

tert-Butylbenzene

Concen: 2.168 ppbv

RT: 16.063 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

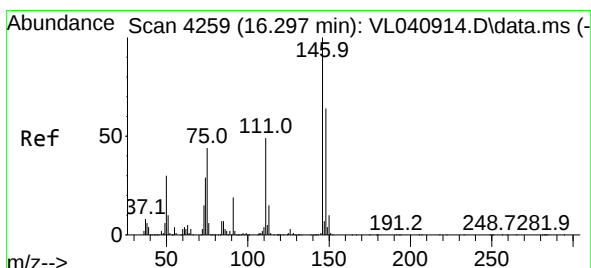
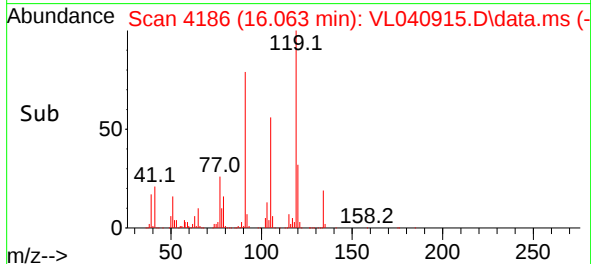
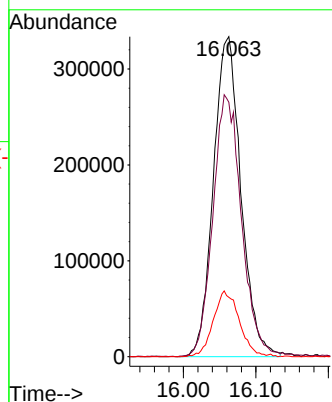
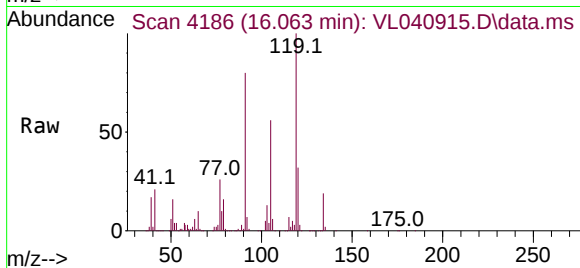
Tgt Ion:119 Resp: 880613

Ion Ratio Lower Upper

119 100

91 85.5 67.2 100.8

134 19.5 15.8 23.6



#66

Benzyl Chloride

Concen: 0.737 ppbv

RT: 16.294 min Scan# 4258

Delta R.T. -0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

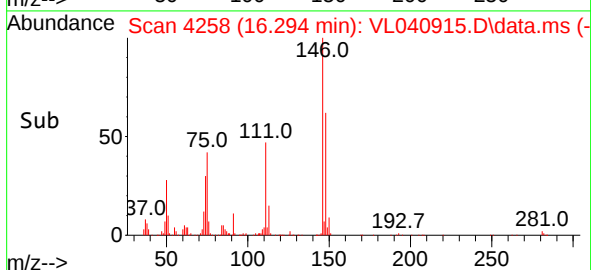
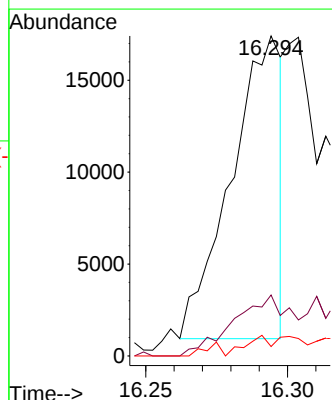
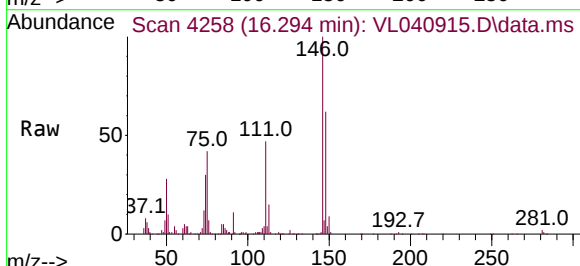
Tgt Ion: 91 Resp: 20303

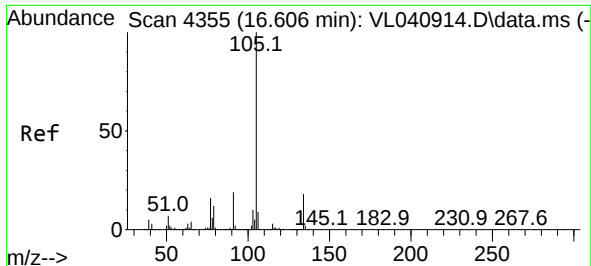
Ion Ratio Lower Upper

91 100

126 52.5 14.1 21.1#

128 12.2 4.6 6.8#

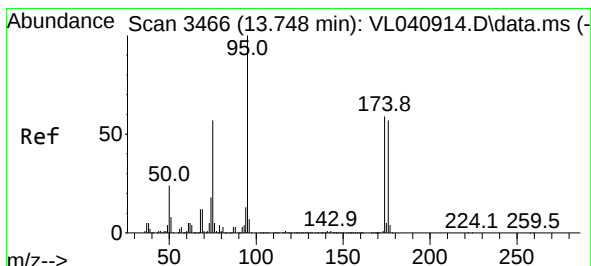
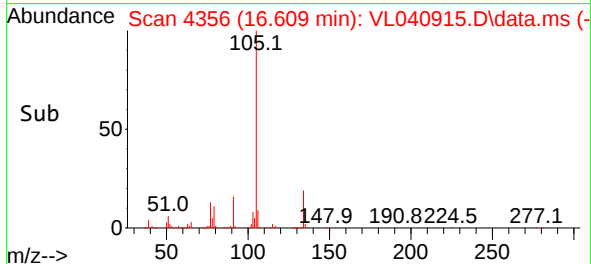
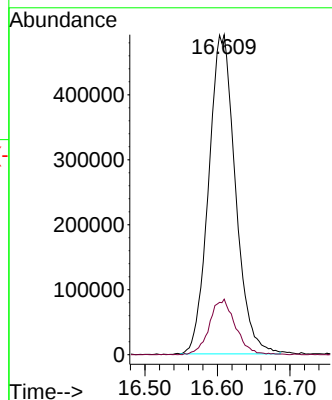
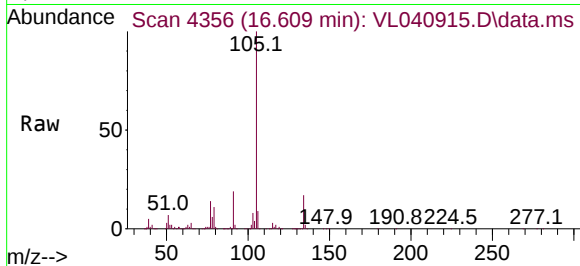




#67
 sec-Butylbenzene
 Concen: 2.169 ppbv
 RT: 16.609 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

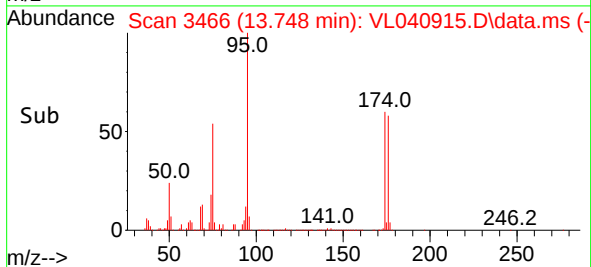
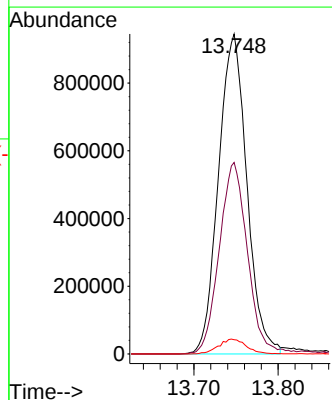
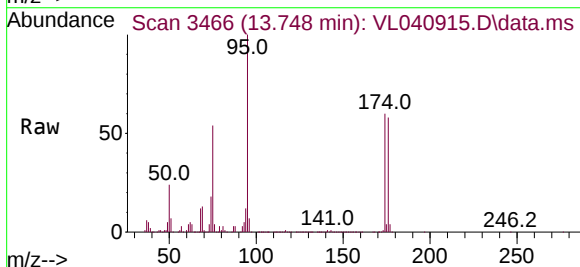
Instrument :
 MSVOA_L
 ClientSampleId :

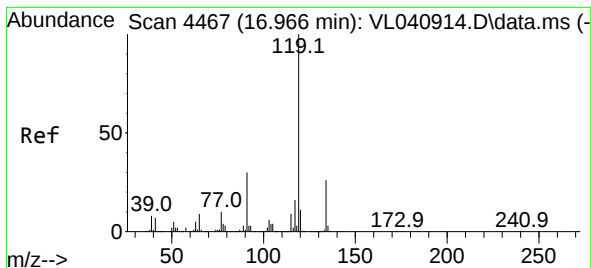
Tgt Ion:105 Resp: 1260259
 Ion Ratio Lower Upper
 105 100
 134 17.0 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.714 ppbv
 RT: 13.748 min Scan# 3466
 Delta R.T. 0.000 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

Tgt Ion: 95 Resp: 2204815
 Ion Ratio Lower Upper
 95 100
 174 60.7 48.0 72.0
 175 4.6 3.7 5.5





#69

p-Isopropyltoluene

Concen: 2.179 ppbv

RT: 16.963 min Scan# 4466

Delta R.T. -0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

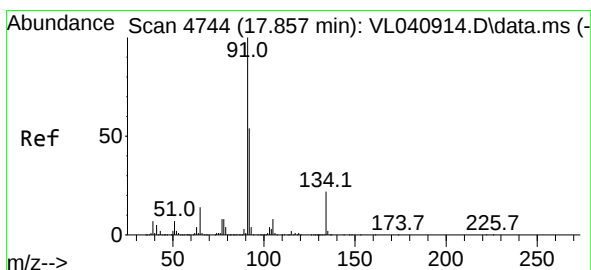
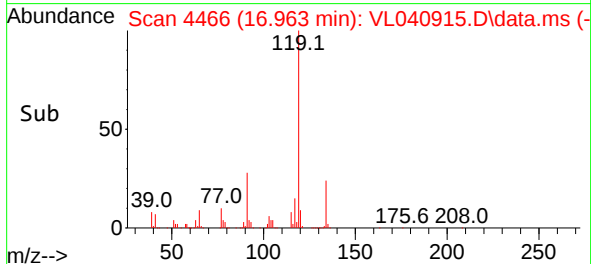
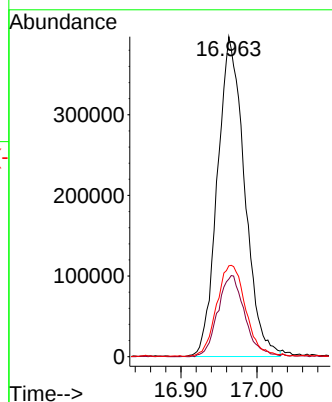
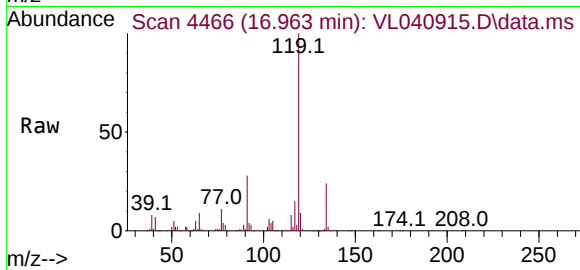
Tgt Ion:119 Resp: 983294

Ion Ratio Lower Upper

119 100

134 25.4 20.3 30.5

91 30.8 24.1 36.1



#70

n-Butylbenzene

Concen: 2.134 ppbv

RT: 17.857 min Scan# 4744

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

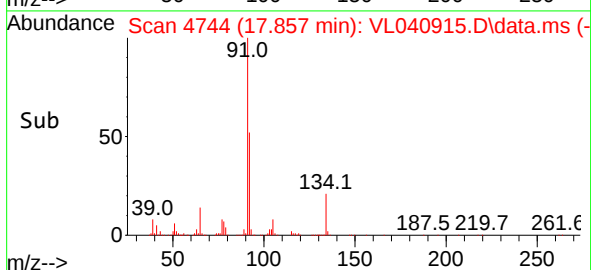
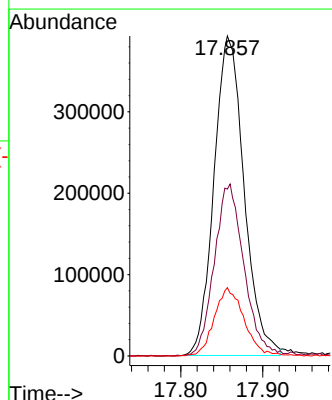
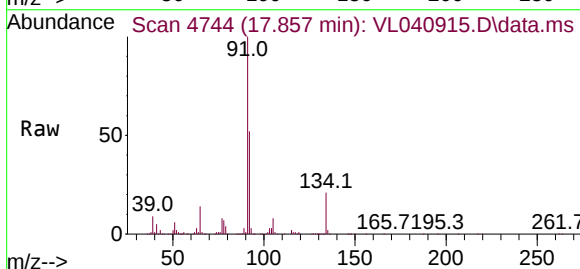
Tgt Ion: 91 Resp: 1000463

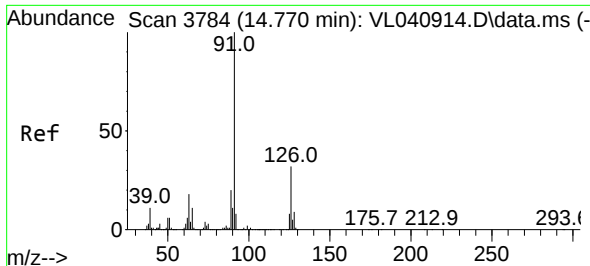
Ion Ratio Lower Upper

91 100

92 53.4 43.4 65.0

134 21.3 17.6 26.4

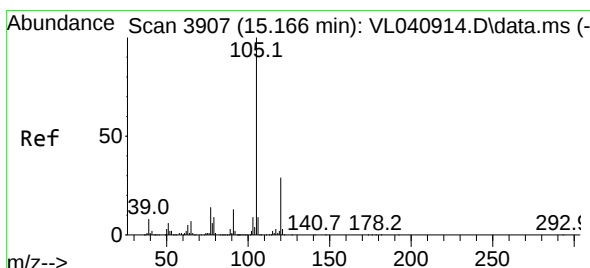
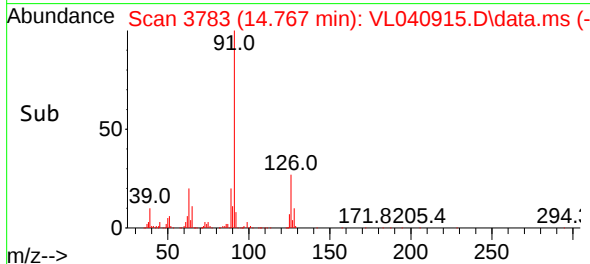
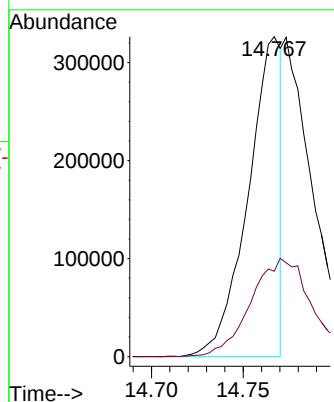
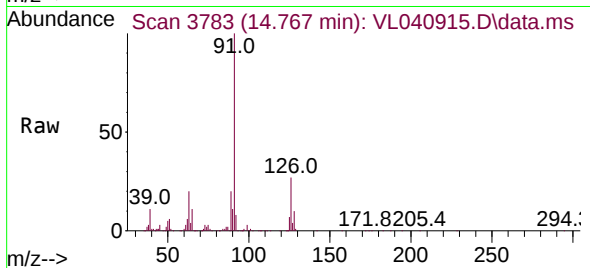




#71
2-Chlorotoluene
Concen: 1.131 ppbv
RT: 14.767 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

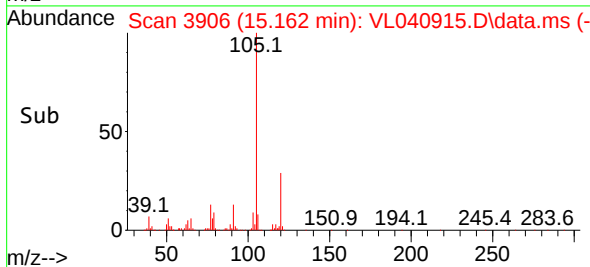
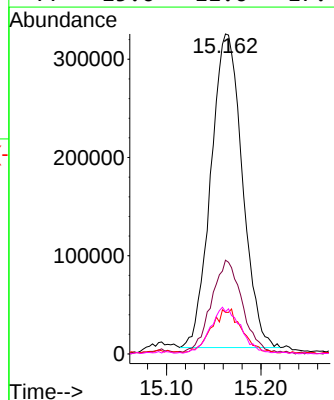
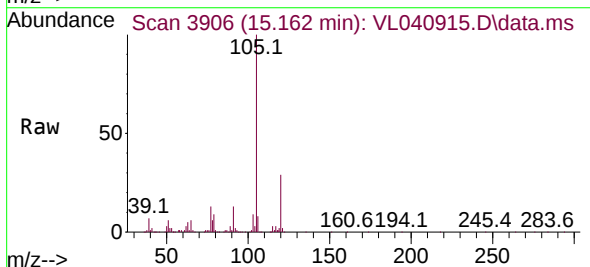
Instrument :
MSVOA_L
ClientSampleId :

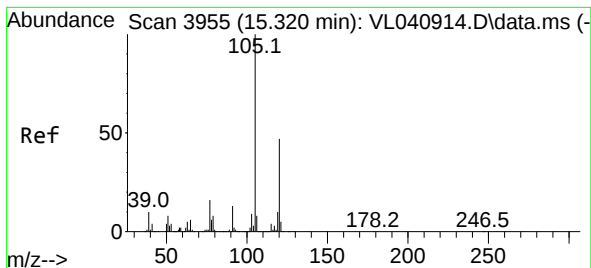
Tgt Ion: 91 Resp: 409433
Ion Ratio Lower Upper
91 100
126 0.0 12.4 49.6#



#72
4-Ethyltoluene
Concen: 2.115 ppbv
RT: 15.162 min Scan# 3906
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 105 Resp: 736465
Ion Ratio Lower Upper
105 100
120 30.1 23.8 35.8
91 13.9 10.9 16.3
77 15.6 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 2.170 ppbv

RT: 15.320 min Scan# 3955

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

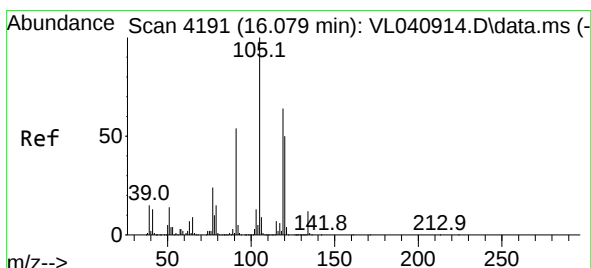
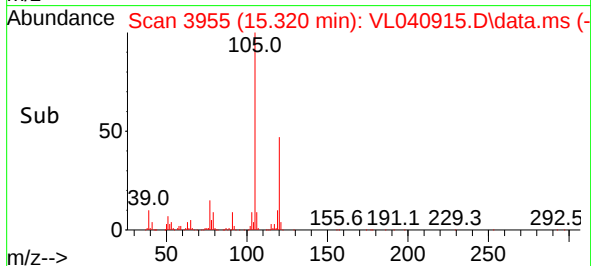
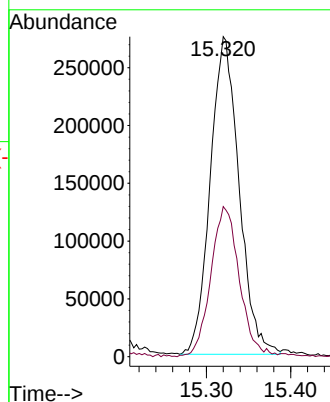
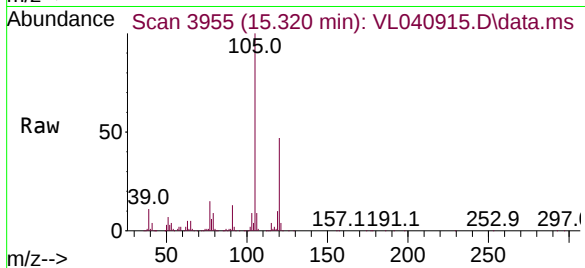
ClientSampleId :

Tgt Ion:105 Resp: 652191

Ion Ratio Lower Upper

105 100

120 46.8 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 2.126 ppbv

RT: 16.079 min Scan# 4191

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Tgt Ion:105 Resp: 710955

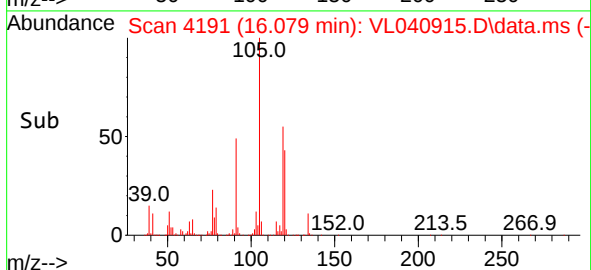
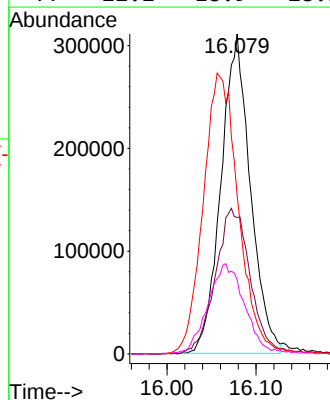
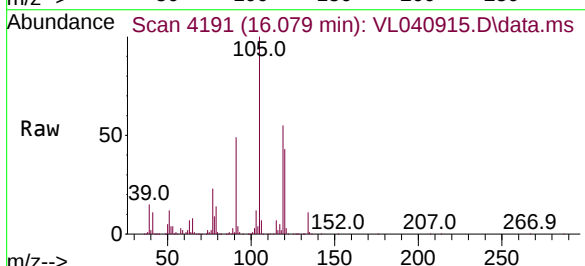
Ion Ratio Lower Upper

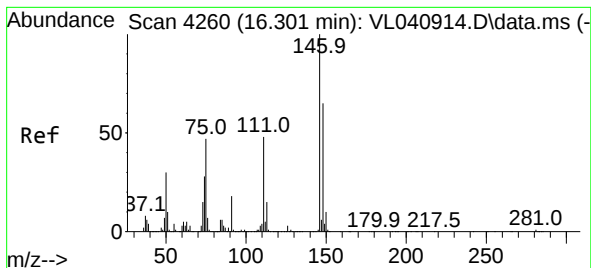
105 100

120 42.5 40.2 60.4

91 48.0 43.0 64.6

77 22.2 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 2.110 ppbv

RT: 16.301 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

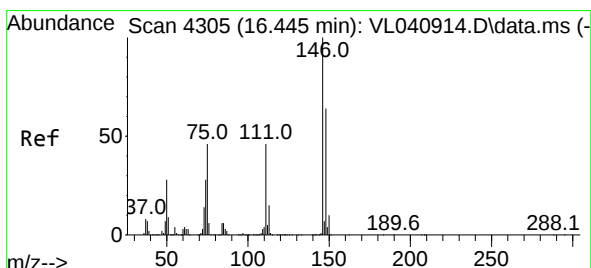
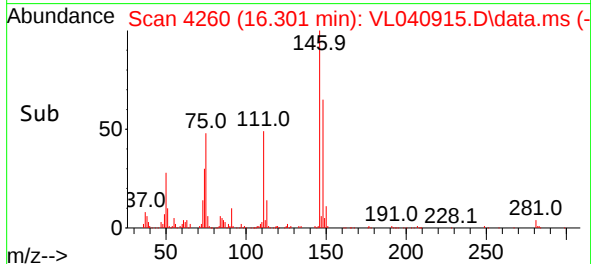
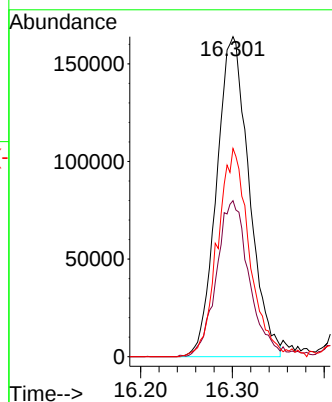
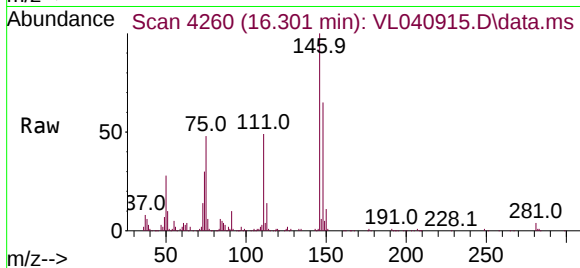
Tgt Ion:146 Resp: 404462

Ion Ratio Lower Upper

146 100

111 49.8 24.7 74.1

148 63.9 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 2.101 ppbv

RT: 16.439 min Scan# 4303

Delta R.T. -0.006 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

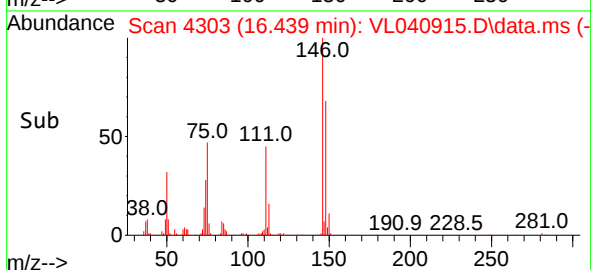
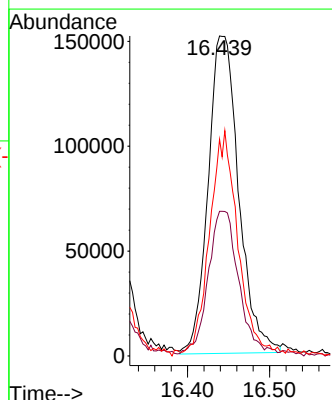
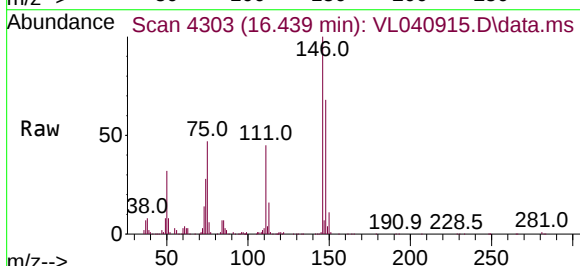
Tgt Ion:146 Resp: 393228

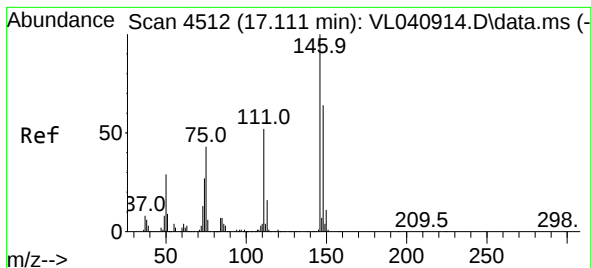
Ion Ratio Lower Upper

146 100

111 47.3 24.1 72.4

148 66.8 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 1.228 ppbv

RT: 17.111 min Scan# 4512

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

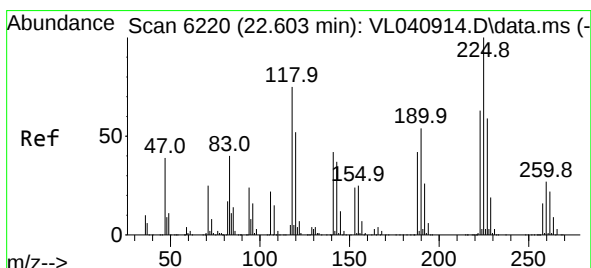
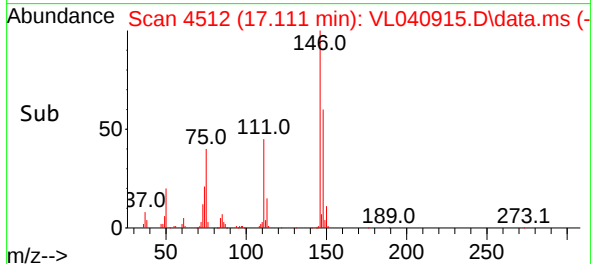
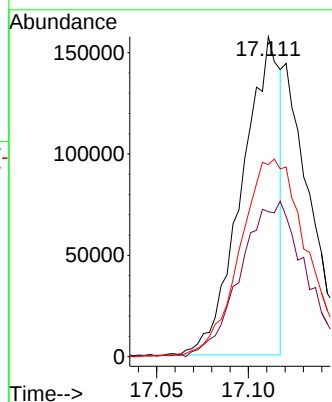
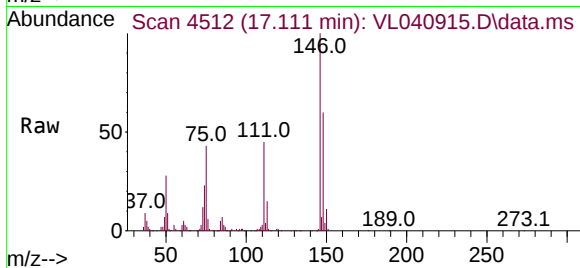
Tgt Ion:146 Resp: 226995

Ion Ratio Lower Upper

146 100

111 0.0 25.5 76.5#

148 0.0 32.2 96.6#



#78

Hexachloro-1,3-Butadiene

Concen: 2.121 ppbv

RT: 22.603 min Scan# 6220

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

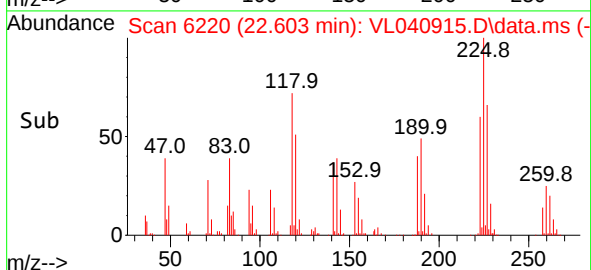
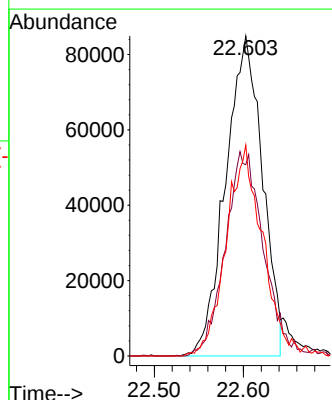
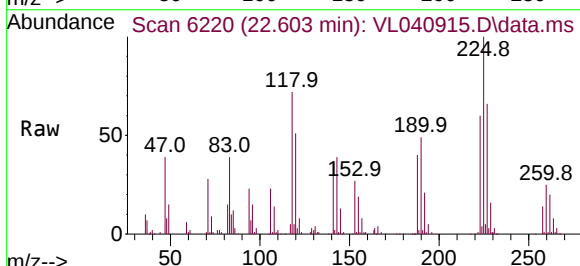
Tgt Ion:225 Resp: 243235

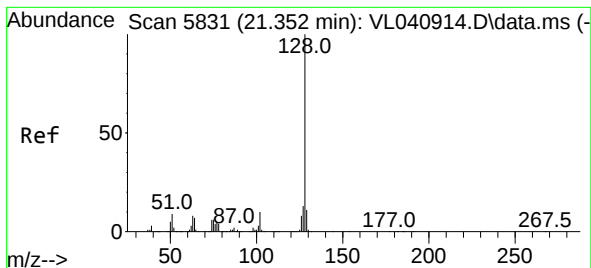
Ion Ratio Lower Upper

225 100

223 67.3 51.5 77.3

227 65.7 51.7 77.5





#79

Naphthalene

Concen: 1.028 ppbv

RT: 21.362 min Scan# 5834

Delta R.T. 0.010 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

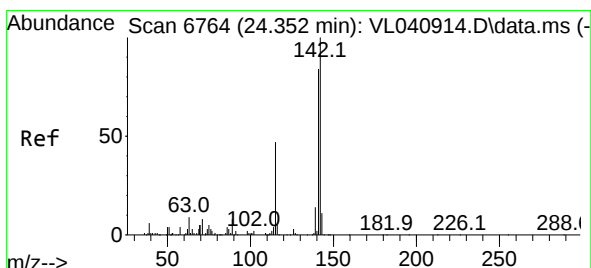
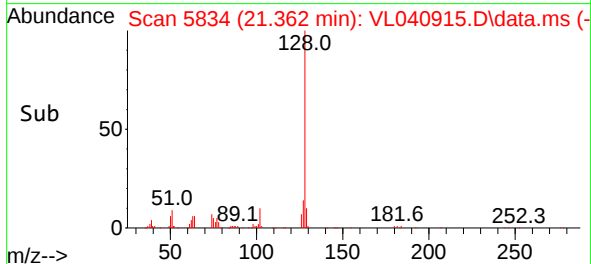
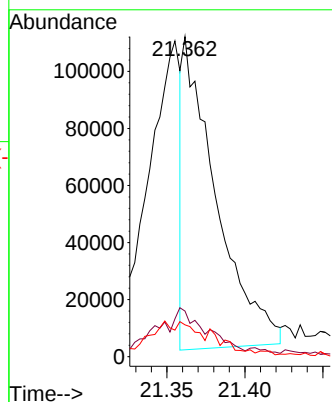
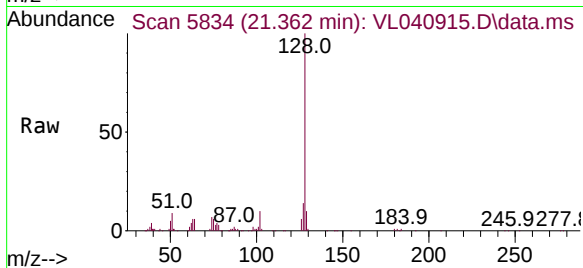
Tgt Ion:128 Resp: 160750

Ion Ratio Lower Upper

128 100

127 14.7 10.6 15.8

129 11.4 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 1.568 ppbv

RT: 24.361 min Scan# 6767

Delta R.T. 0.010 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

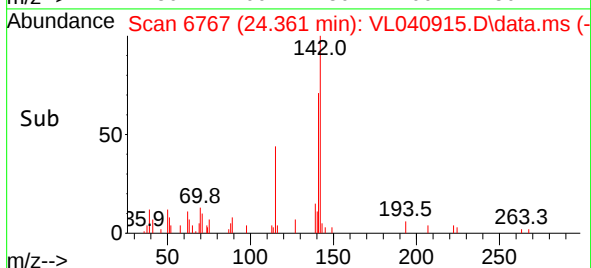
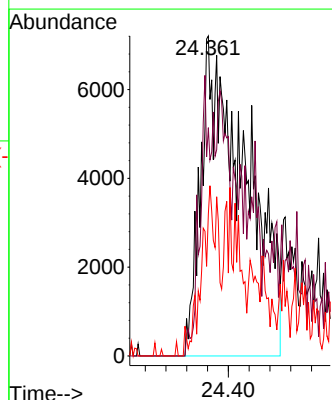
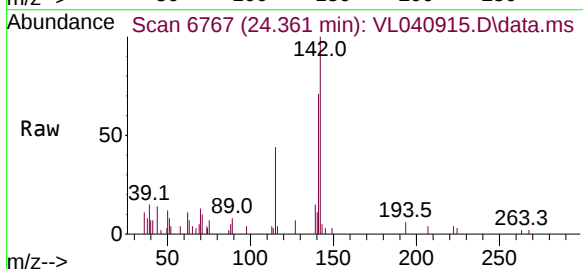
Tgt Ion:142 Resp: 42866

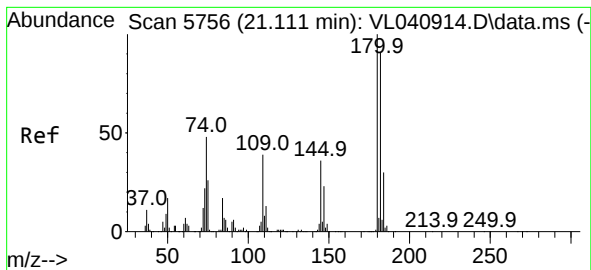
Ion Ratio Lower Upper

142 100

141 25.0 68.5 102.7#

115 18.5 34.5 51.7#





#81

1,2,4-Trichlorobenzene

Concen: 1.325 ppbv

RT: 21.111 min Scan# 51

Delta R.T. 0.000 min

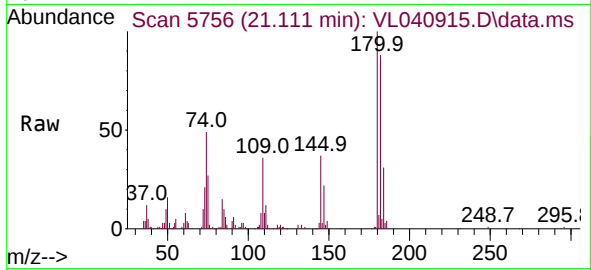
Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 124169

Ion Ratio Lower Upper

180 100

182 149.8 79.4 119.0#

184 47.3 24.5 36.7#

