

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040920.D
 Acq On : 20 Dec 2023 14:57
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Dec 21 07:12:07 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	5.182	49	1257131	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3090910	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2953027	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	2205081	10.138	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	3216688	13.434	ppbv	98
3) Chlorodifluoromethane	2.681	51	2527391	13.360	ppbv	99
4) Chloromethane	2.819	50	962589	13.800	ppbv	98
5) Vinyl Chloride	2.925	62	971936	14.973	ppbv	98
6) Bromomethane	3.121	94	425814	14.278	ppbv	95
7) Chloroethane	3.198	64	338075	14.083	ppbv	100
8) Dichlorotetrafluoroethane	2.861	85	2373243	13.755	ppbv	99
9) Propene	2.700	41	851435	13.640	ppbv	99
10) Heptane	7.561	43	2180034	14.050	ppbv	99
11) Trichlorofluoromethane	3.562	101	2588567	13.827	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.063	101	2177715	14.980	ppbv	100
13) Ethanol	3.240	45	199877	14.329	ppbv	97
14) Bromoethene	3.365	108	771816	14.485	ppbv	98
15) Acetone	3.465	43	1791041	11.879	ppbv	100
16) 1,3-Butadiene	2.989	39	946485	14.580	ppbv	98
17) tert-Butyl alcohol	3.873	59	1582628	14.190	ppbv	98
18) 1,1-Dichloroethene	3.877	96	875281	14.582	ppbv	98
19) Isopropyl Alcohol	3.571	45	1066632	13.381	ppbv	99
20) Methylene Chloride	3.928	84	783942	14.436	ppbv	94
21) Allyl Chloride	3.992	41	1353635	15.189	ppbv	96
22) trans-1,2-Dichloroethene	4.439	96	1046796	15.132	ppbv	97
23) Vinyl Acetate	4.616	43	2707628	15.890	ppbv	99
24) 1,1-Dichloroethane	4.555	63	2165882	14.557	ppbv	100
25) Ethyl Acetate	5.192	43	3690814	14.128	ppbv	100
26) Hexane	5.201	57	1592560	13.657	ppbv	99
27) Carbon Disulfide	4.118	76	2567509	16.385	ppbv	98
28) Methyl tert-Butyl Ether	4.574	73	1551349	14.439	ppbv	99
29) Chloroform	5.266	83	2723588	13.939	ppbv	98
30) Cyclohexane	6.587	84	1343772	13.921	ppbv	99
31) cis-1,2-Dichloroethene	5.066	61	1712273	14.397	ppbv	99
32) 1,1,1-Trichloroethane	5.989	97	2740470	14.720	ppbv	100
34) 2-Butanone	4.774	43	2395519	14.651	ppbv	100
35) Carbon Tetrachloride	6.478	117	2931280	15.084	ppbv	99
36) Benzene	6.356	78	3373664	13.962	ppbv	98
37) 1,2-Dichloroethane	5.793	62	2129563	14.709	ppbv	100
38) Trichloroethene	7.272	130	1318454	14.187	ppbv	98
39) 1,2-Dichloropropane	7.053	63	1353412	14.214	ppbv	97
40) 1,4-Dioxane	7.262	88	552232	14.017	ppbv #	1
41) Tetrahydrofuran	5.539	42	1434145	14.452	ppbv	98
42) Bromodichloromethane	7.234	83	3066154	14.684	ppbv	98
43) Methyl Methacrylate	7.455	69	1457151	15.466	ppbv	100
44) 2,2,4-Trimethylpentane	7.311	57	5601380	13.647	ppbv	99
45) t-1,3-Dichloropropene	8.690	75	1249112	17.880	ppbv	95

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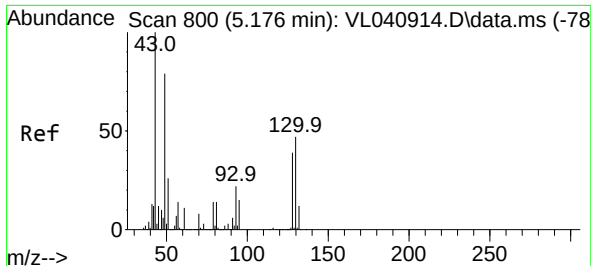
Quant Time: Dec 21 07:12:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:06:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	1394635	16.029	ppbv	98
47) 1,1,2-Trichloroethane	8.877	97	1453980	14.271	ppbv	99
48) Dibromochloromethane	9.690	129	2602201	15.125	ppbv	100
49) Bromoform	12.381	173	2120241	15.926	ppbv	100
50) 4-Methyl-2-Pentanone	8.156	43	3648768	14.700	ppbv	100
51) 2-Hexanone	9.526	43	2728642	15.282	ppbv #	99
52) Tetrachloroethene	10.594	164	1202224	14.755	ppbv	98
53) Toluene	9.198	91	3889456	14.407	ppbv	99
54) 1,2-Dibromoethane	9.983	107	2163453	15.552	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.484	131	1836654	14.223	ppbv	94
57) Chlorobenzene	11.503	112	3021313	13.863	ppbv	99
58) Ethyl Benzene	12.063	91	5319872	14.020	ppbv	98
59) m/p-Xylene	12.346	91	4805279	14.893	ppbv #	100
60) o-Xylene	13.034	91	4260339	14.015	ppbv	99
61) Styrene	12.873	104	2296612	15.838	ppbv	100
62) Isopropylbenzene	14.005	105	6199563	13.753	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.021	83	3103389	14.217	ppbv	99
64) n-propylbenzene	14.889	120	1635123	14.373	ppbv	97
65) tert-Butylbenzene	16.063	119	5442169	13.980	ppbv	100
66) Benzyl Chloride	16.297	91	536018	20.317	ppbv	98
67) sec-Butylbenzene	16.609	105	7593962	13.637	ppbv	99
69) p-Isopropyltoluene	16.966	119	6220758	14.388	ppbv	99
70) n-Butylbenzene	17.860	91	6567980	14.619	ppbv	99
71) 2-Chlorotoluene	14.770	91	4870716	14.034	ppbv	100
72) 4-Ethyltoluene	15.166	105	4945406	14.823	ppbv	99
73) 1,3,5-Trimethylbenzene	15.323	105	4266586	14.817	ppbv	99
74) 1,2,4-Trimethylbenzene	16.082	105	4653000	14.520	ppbv	99
75) 1,3-Dichlorobenzene	16.304	146	2697078	14.685	ppbv	100
76) 1,4-Dichlorobenzene	16.449	146	2636120	14.699	ppbv	100
77) 1,2-Dichlorobenzene	17.117	146	2569528	14.504	ppbv	100
78) Hexachloro-1,3-Butadiene	22.603	225	1392969	12.673	ppbv	99
79) Naphthalene	21.355	128	3060954	20.423	ppbv	99
80) Naphthalene,2-methyl-	24.355	142	562673	21.476	ppbv	97
81) 1,2,4-Trichlorobenzene	21.111	180	1543743	17.186	ppbv	99

(#) = 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

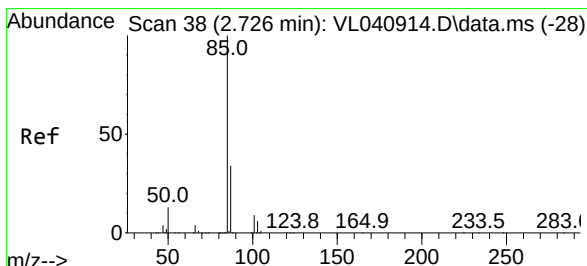
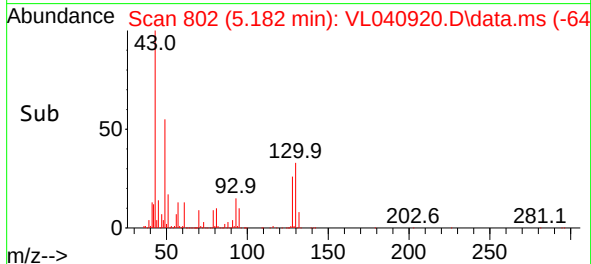
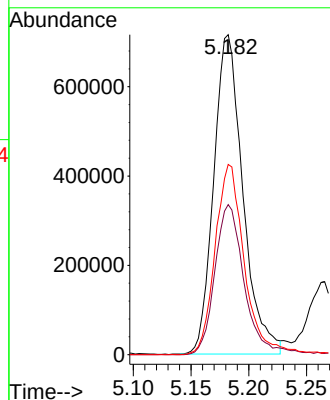
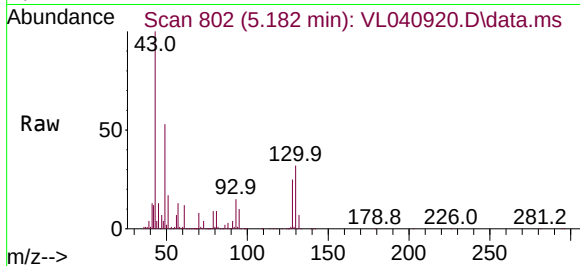




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

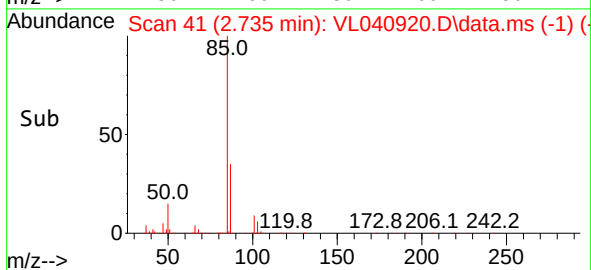
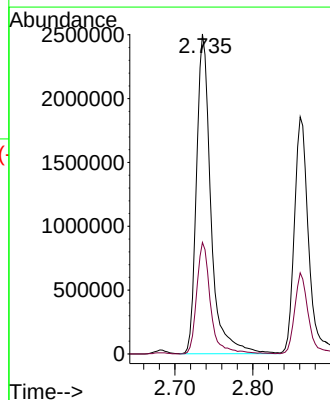
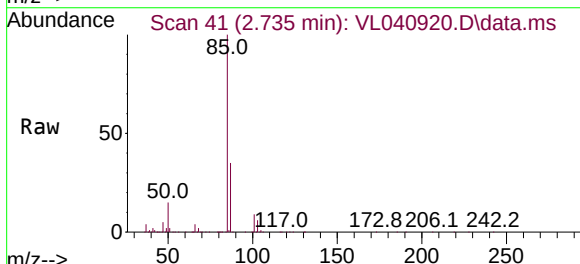
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

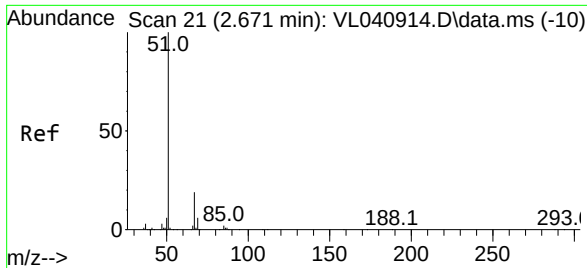
Tgt Ion: 49 Resp: 1257131
Ion Ratio Lower Upper
49 100
128 48.0 23.8 71.2
130 60.9 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 13.434 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 85 Resp: 3216688
Ion Ratio Lower Upper
85 100
87 34.8 27.0 40.6

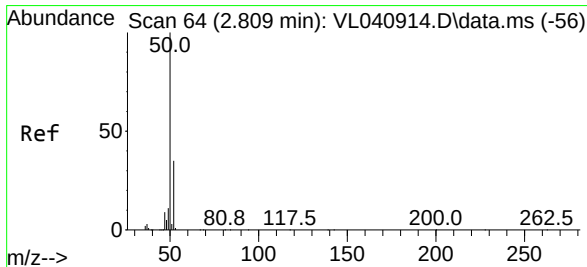
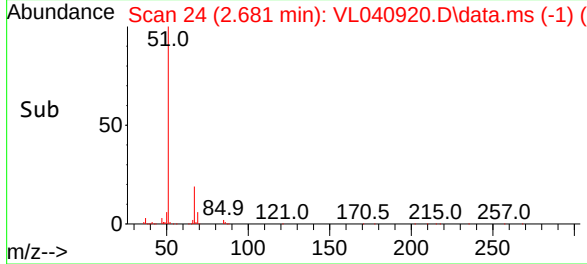
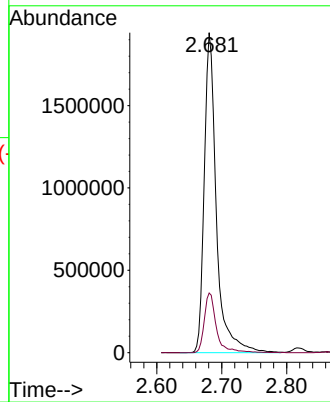
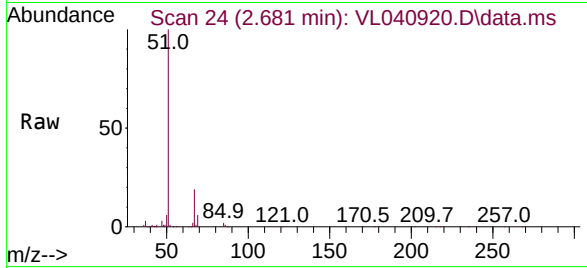




#3
Chlorodifluoromethane
Concen: 13.360 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.010 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

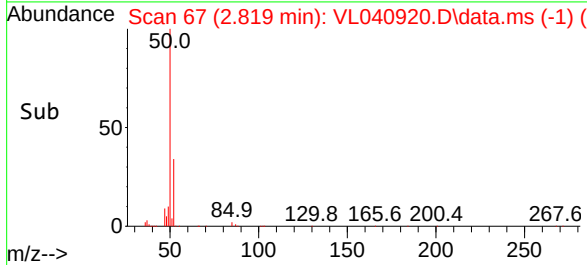
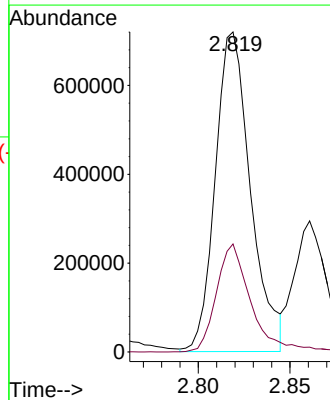
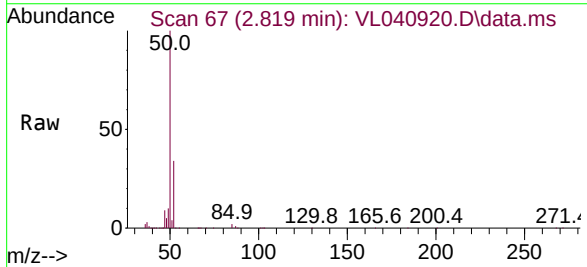
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MSVOA_L
ClientSampleId :
VSTDIC015

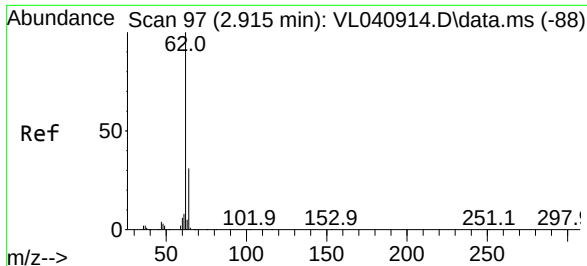
Tgt Ion: 51 Resp: 2527391
Ion Ratio Lower Upper
51 100
67 18.7 14.7 22.1



#4
Chloromethane
Concen: 13.800 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.010 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 50 Resp: 962589
Ion Ratio Lower Upper
50 100
52 34.0 28.0 42.0

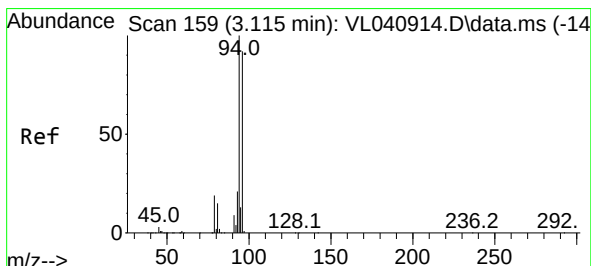
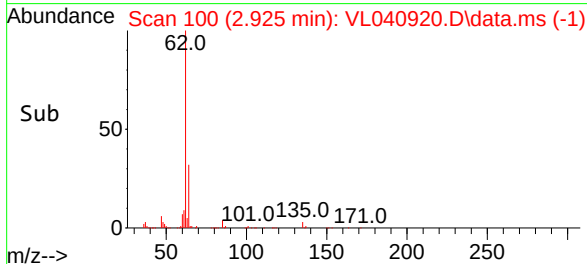
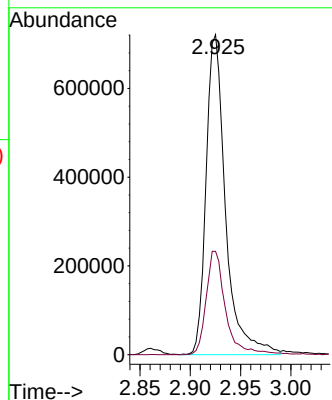
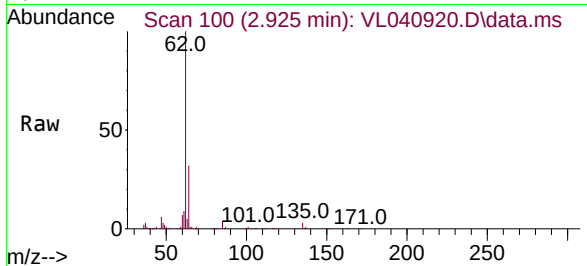




#5
 Vinyl Chloride
 Concen: 14.973 ppbv
 RT: 2.925 min Scan# 10
 Delta R.T. 0.010 min
 Lab File: VL040920.D
 Acq: 20 Dec 2023 14:57

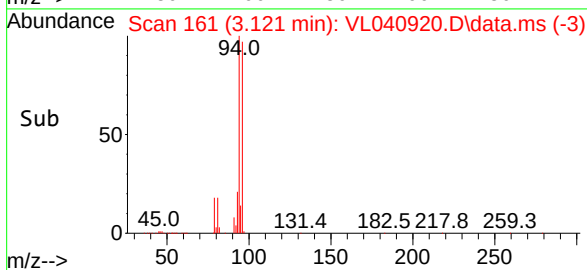
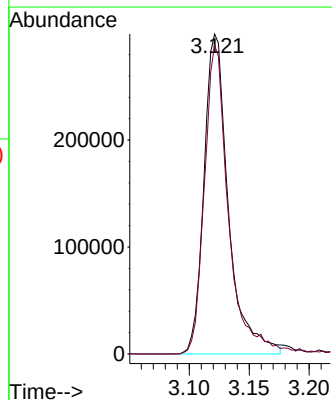
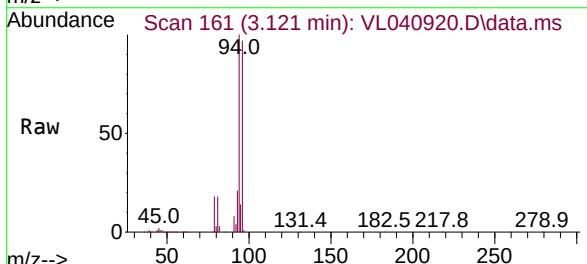
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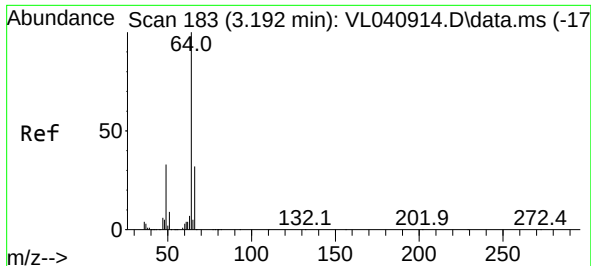
Tgt Ion: 62 Resp: 971936
 Ion Ratio Lower Upper
 62 100
 64 32.3 24.9 37.3



#6
 Bromomethane
 Concen: 14.278 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.007 min
 Lab File: VL040920.D
 Acq: 20 Dec 2023 14:57

Tgt Ion: 94 Resp: 425814
 Ion Ratio Lower Upper
 94 100
 96 96.5 73.2 109.8

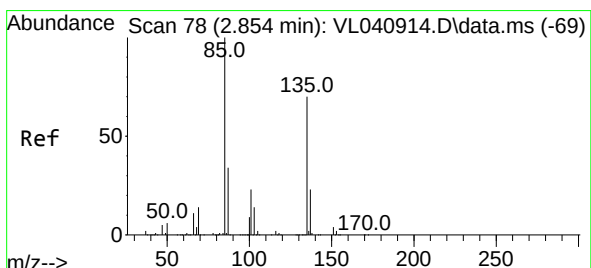
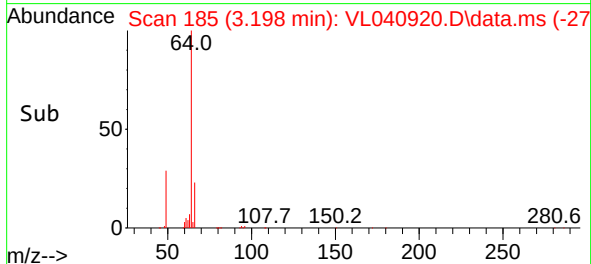
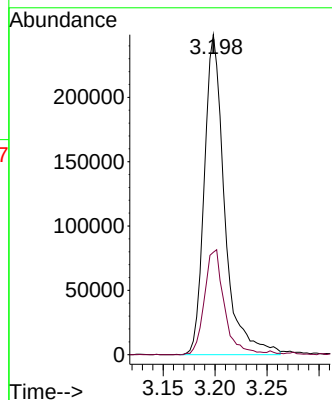
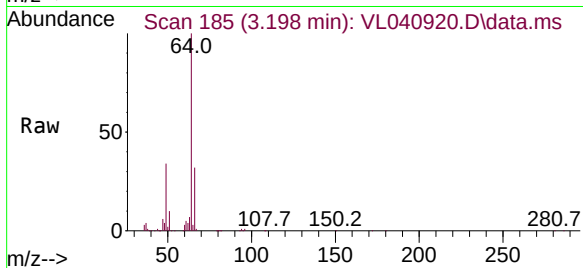




#7
Chloroethane
Concen: 14.083 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

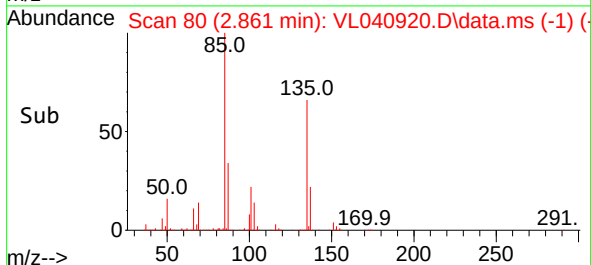
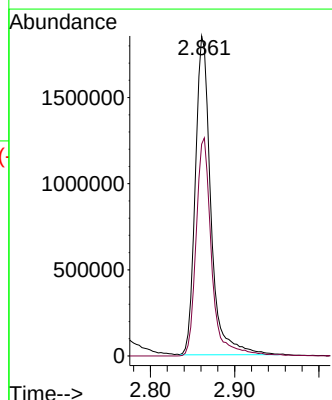
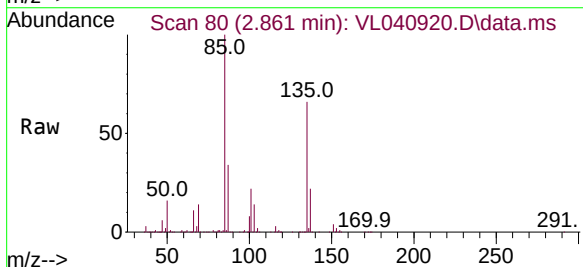
Instrument :
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ClientSampleId :
VSTDIC015

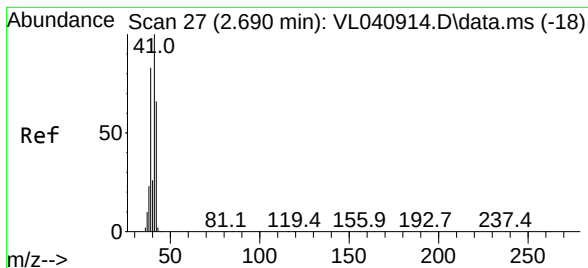
Tgt Ion: 64 Resp: 338075
Ion Ratio Lower Upper
64 100
66 32.0 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 13.755 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 85 Resp: 2373243
Ion Ratio Lower Upper
85 100
135 68.7 55.8 83.8





#9

Propene

Concen: 13.640 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.010 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

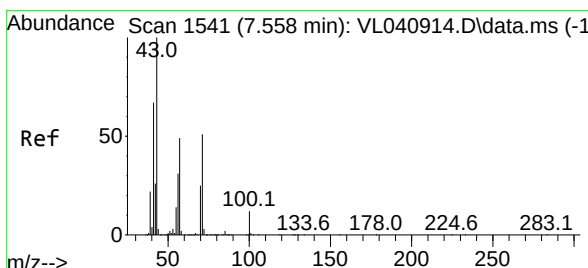
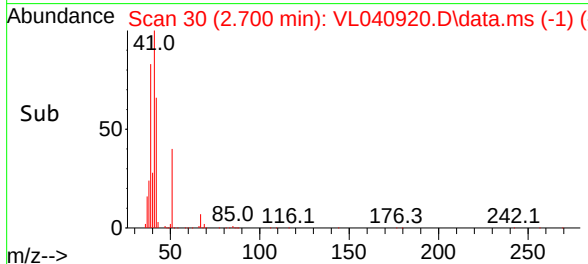
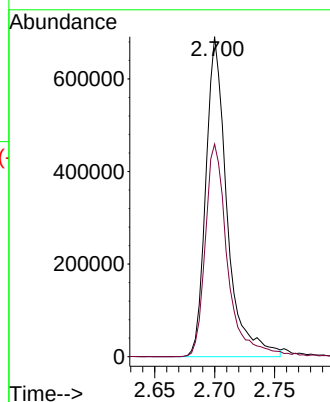
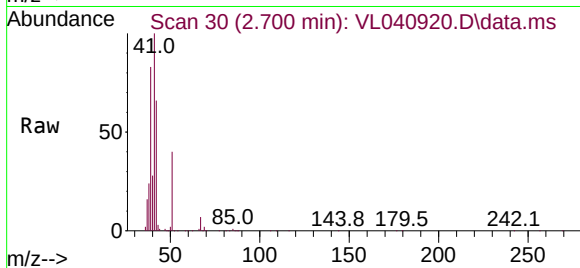
VSTDIC015

Tgt Ion: 41 Resp: 851435

Ion Ratio Lower Upper

41 100

42 70.8 55.8 83.6



#10

Heptane

Concen: 14.050 ppbv

RT: 7.561 min Scan# 1542

Delta R.T. 0.003 min

Lab File: VL040920.D

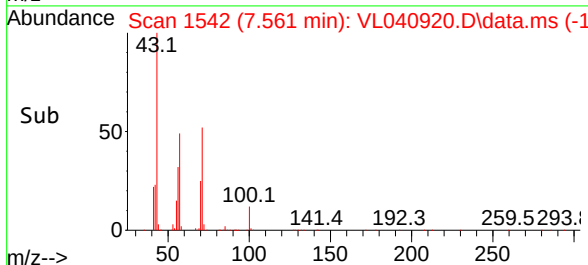
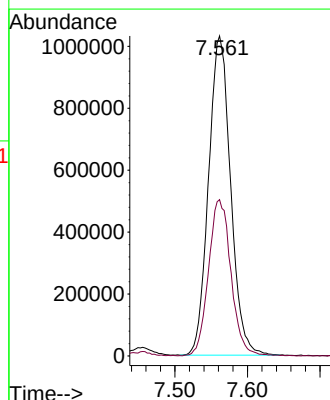
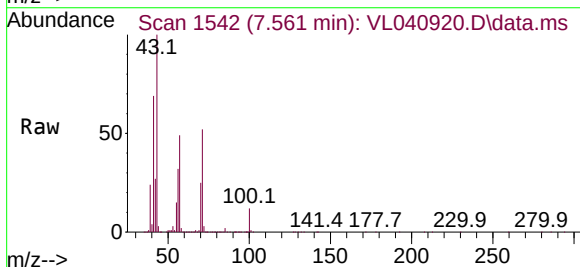
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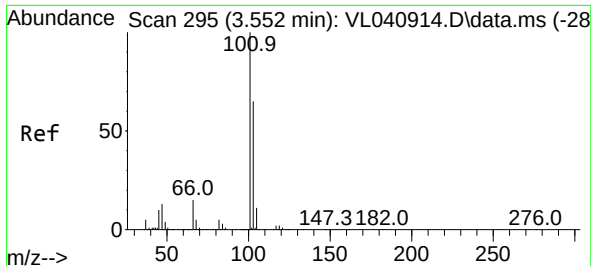
Tgt Ion: 43 Resp: 2180034

Ion Ratio Lower Upper

43 100

57 49.9 39.3 58.9

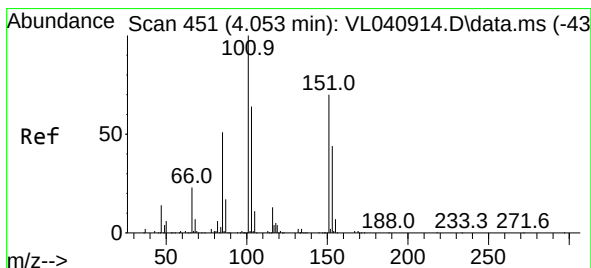
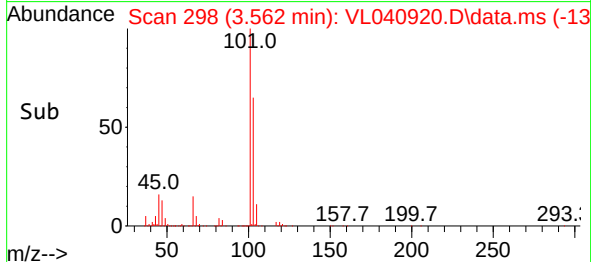
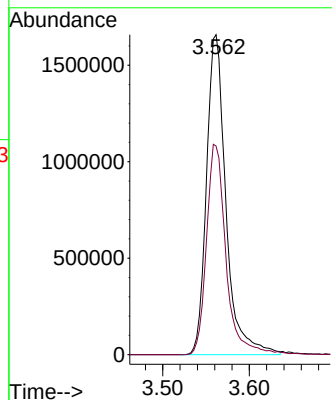
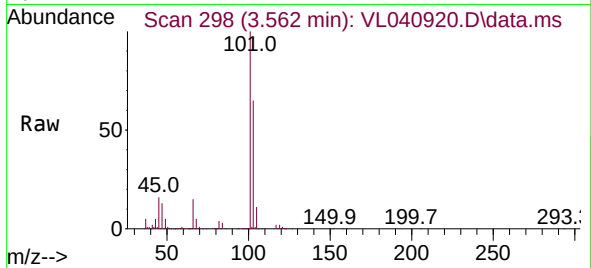




#11
Trichlorofluoromethane
Concen: 13.827 ppbv
RT: 3.562 min Scan# 295
Delta R.T. 0.010 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

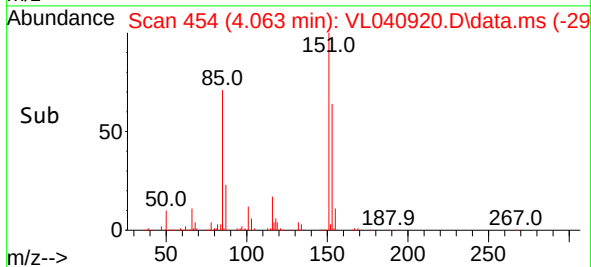
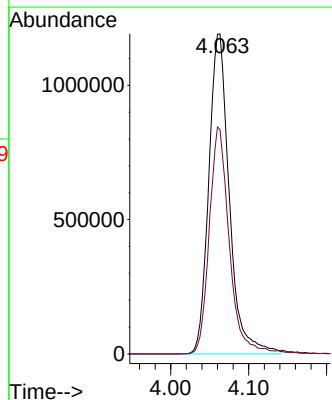
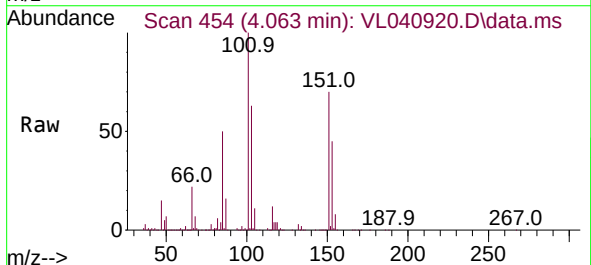
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

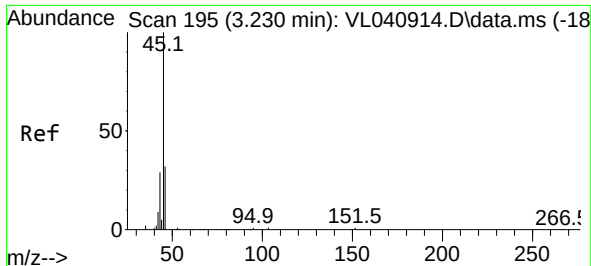
Tgt Ion:101 Resp: 2588567
Ion Ratio Lower Upper
101 100
103 65.2 51.9 77.9



#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.980 ppbv
RT: 4.063 min Scan# 454
Delta R.T. 0.010 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion:101 Resp: 2177715
Ion Ratio Lower Upper
101 100
151 69.6 55.8 83.8

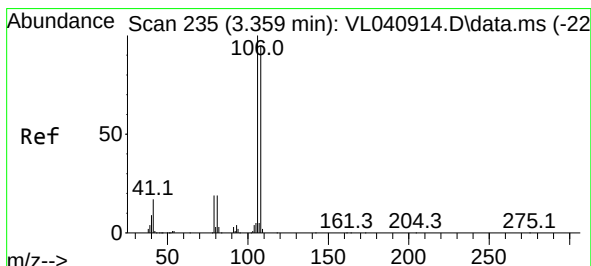
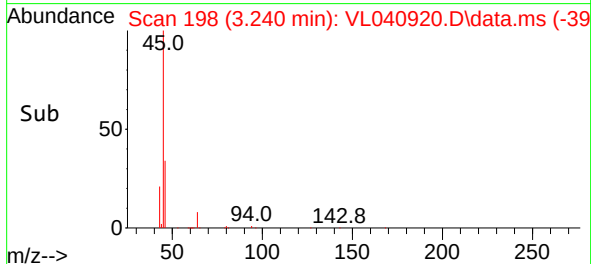
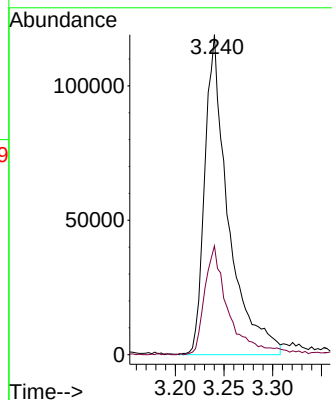
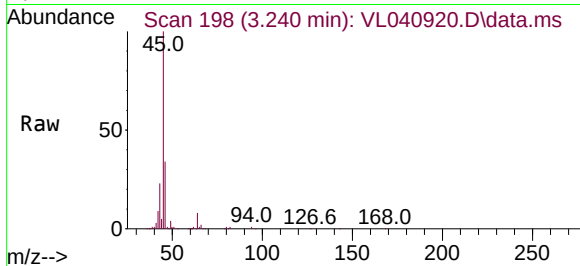




#13
Ethanol
Concen: 14.329 ppbv
RT: 3.240 min Scan# 195
Delta R.T. 0.010 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

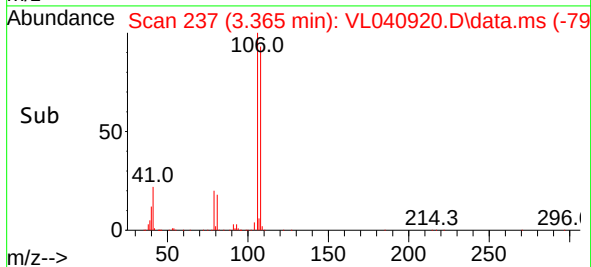
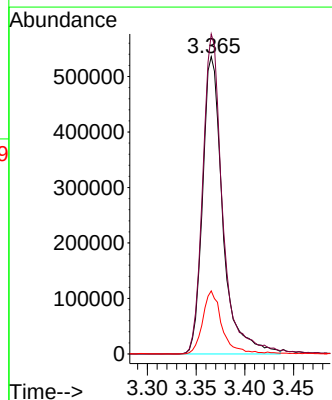
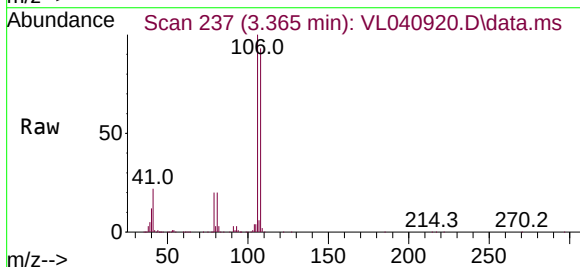
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

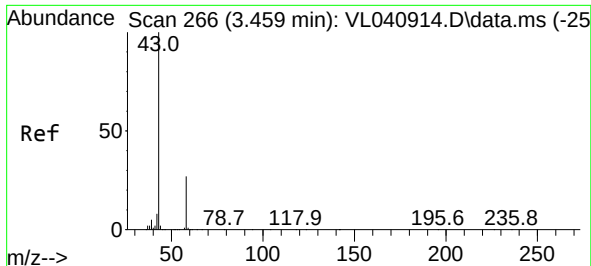
Tgt Ion: 45 Resp: 199877
Ion Ratio Lower Upper
45 100
46 36.0 15.0 60.0



#14
Bromoethene
Concen: 14.485 ppbv
RT: 3.365 min Scan# 237
Delta R.T. 0.006 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 108 Resp: 771816
Ion Ratio Lower Upper
108 100
106 107.3 87.5 131.3
79 20.8 16.6 24.8

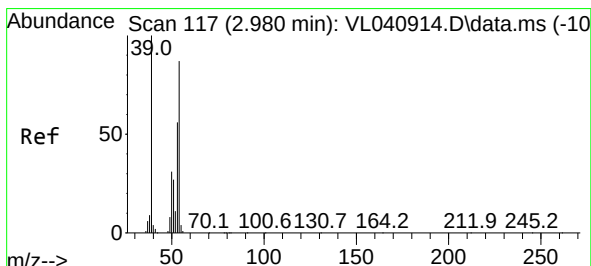
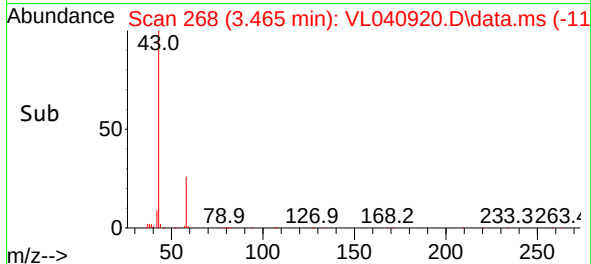
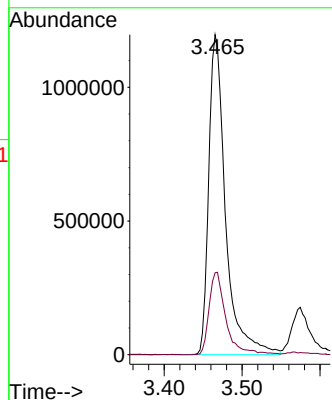
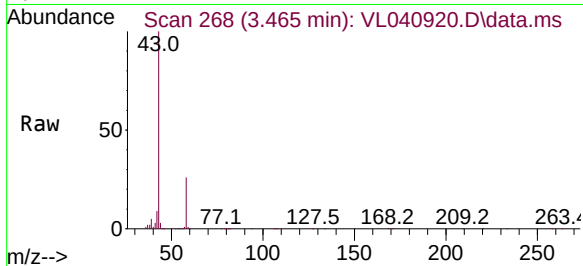




#15
Acetone
Concen: 11.879 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.007 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

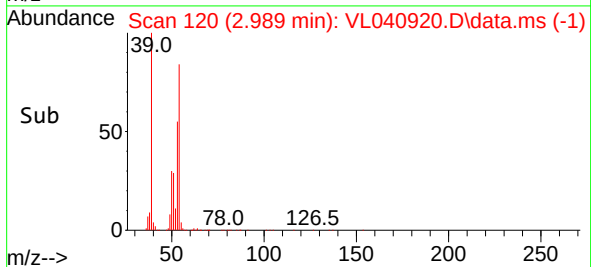
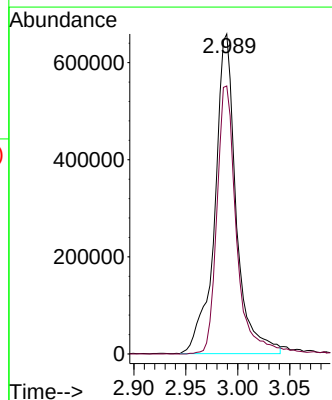
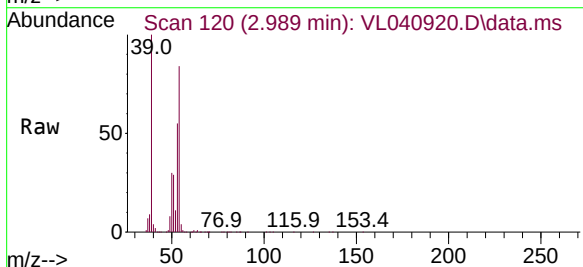
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

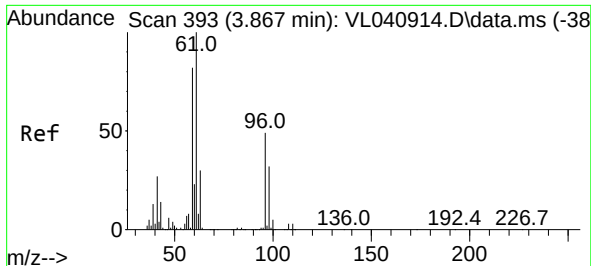
Tgt Ion: 43 Resp: 1791041
Ion Ratio Lower Upper
43 100
58 25.9 20.6 30.8



#16
1,3-Butadiene
Concen: 14.580 ppbv
RT: 2.989 min Scan# 120
Delta R.T. 0.010 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 39 Resp: 946485
Ion Ratio Lower Upper
39 100
54 77.7 63.8 95.6





#17

tert-Butyl alcohol

Concen: 14.190 ppbv

RT: 3.873 min Scan# 393

Delta R.T. 0.006 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

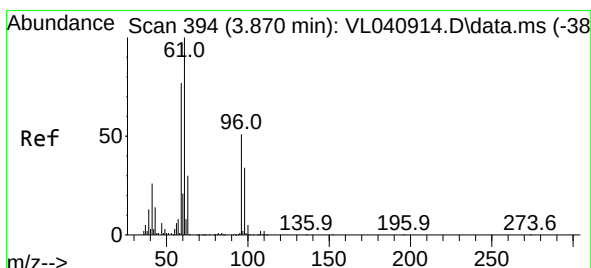
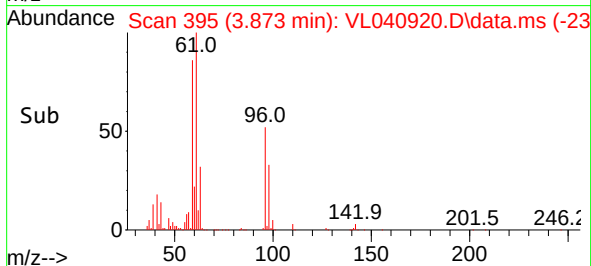
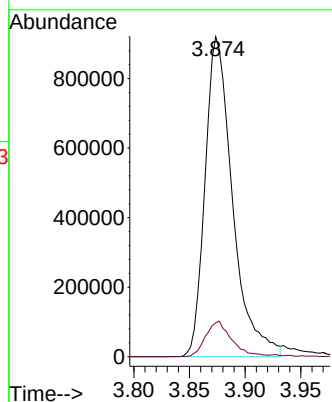
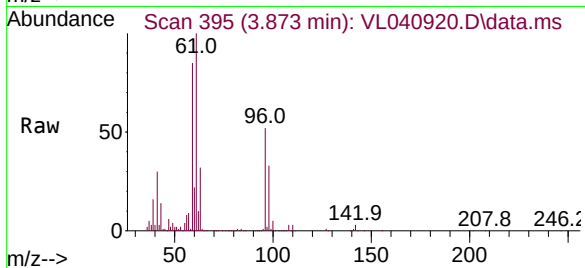
VSTDICC015

Tgt Ion: 59 Resp: 1582628

Ion Ratio Lower Upper

59 100

57 11.0 8.3 12.5



#18

1,1-Dichloroethene

Concen: 14.582 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.006 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

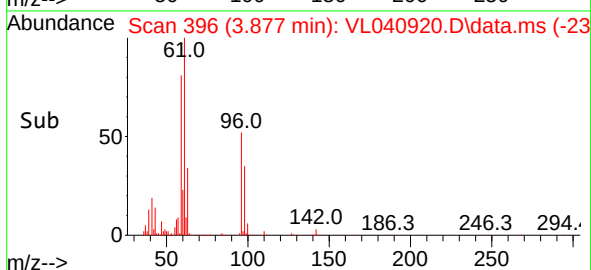
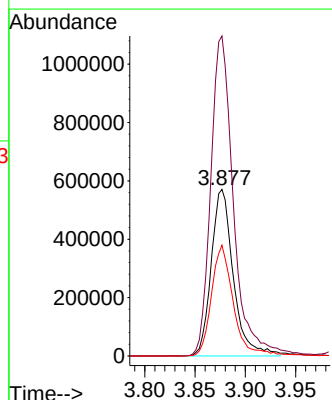
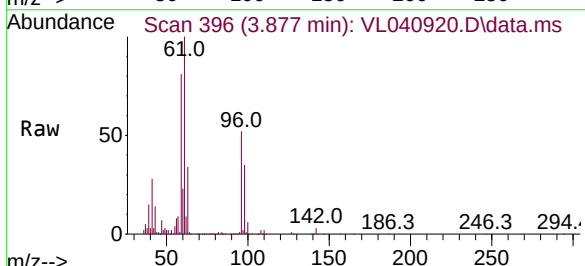
Tgt Ion: 96 Resp: 875281

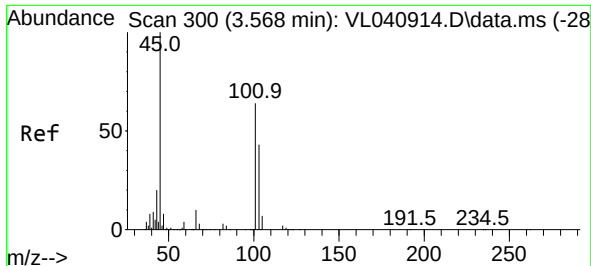
Ion Ratio Lower Upper

96 100

61 192.1 156.6 235.0

98 66.5 52.5 78.7





#19

Isopropyl Alcohol

Concen: 13.381 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

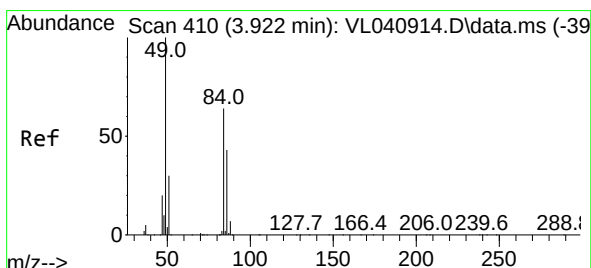
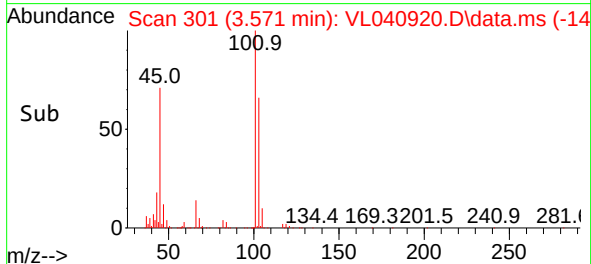
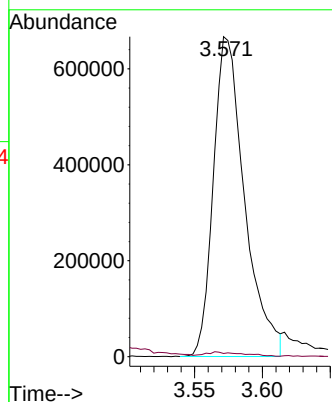
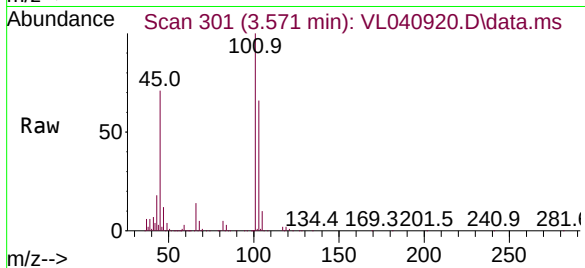
VSTDIC015

Tgt Ion: 45 Resp: 1066632

Ion Ratio Lower Upper

45 100

58 1.5 1.5 2.3



#20

Methylene Chloride

Concen: 14.436 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.007 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Tgt Ion: 84 Resp: 783942

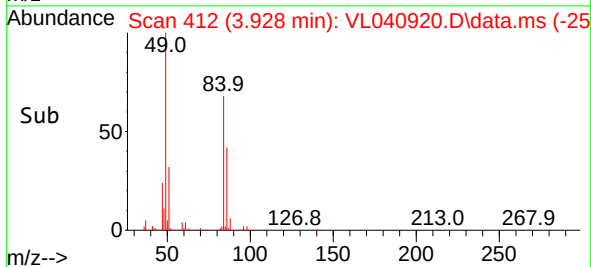
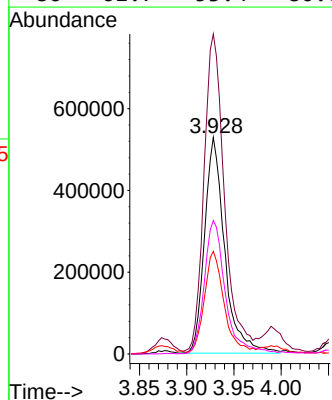
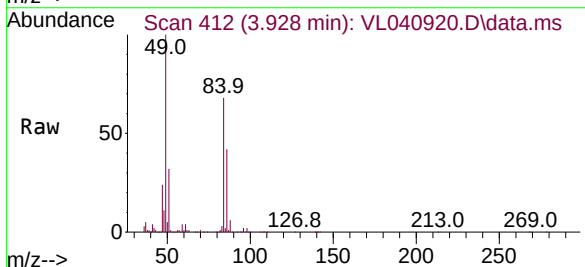
Ion Ratio Lower Upper

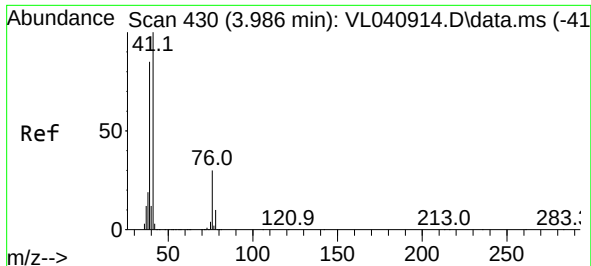
84 100

49 146.7 124.6 187.0

51 46.1 37.2 55.8

86 61.7 53.4 80.0





#21

Allyl Chloride

Concen: 15.189 ppbv

RT: 3.992 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

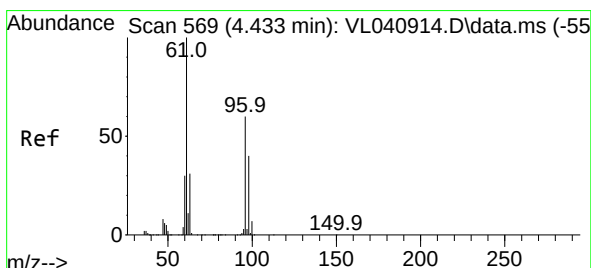
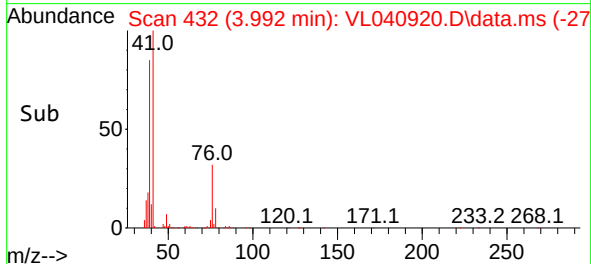
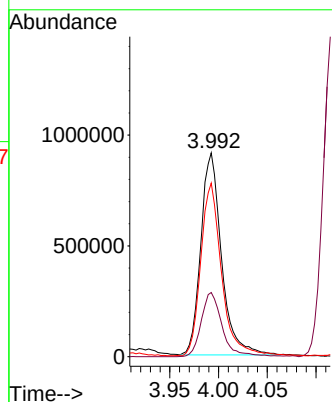
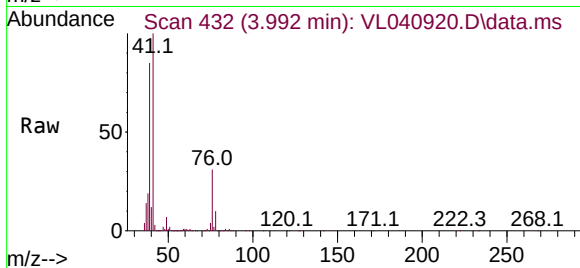
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 1353635

Ion	Ratio	Lower	Upper
41	100		
76	31.9	23.9	35.9
39	86.2	66.5	99.7



#22

trans-1,2-Dichloroethene

Concen: 15.132 ppbv

RT: 4.439 min Scan# 571

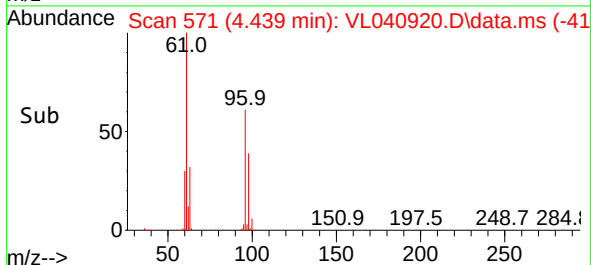
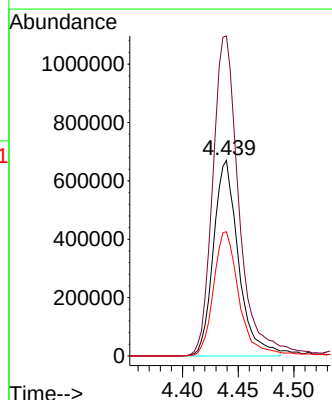
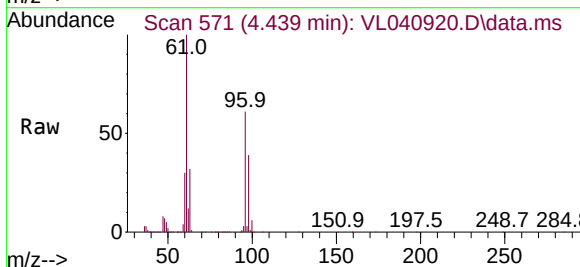
Delta R.T. 0.007 min

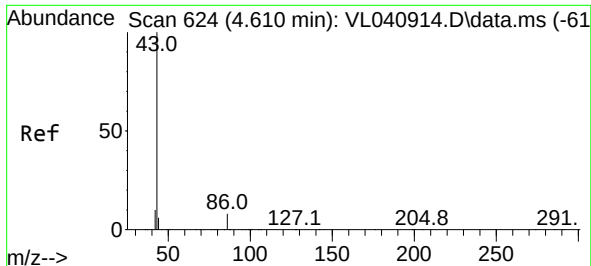
Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Tgt Ion: 96 Resp: 1046796

Ion	Ratio	Lower	Upper
96	100		
61	163.5	133.0	199.6
98	63.5	53.7	80.5



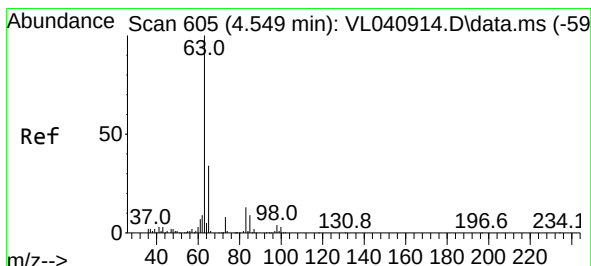
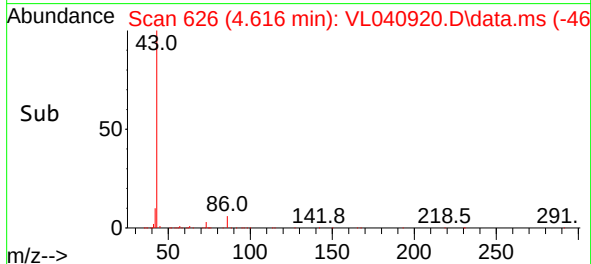
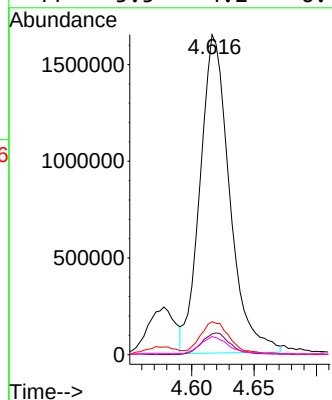
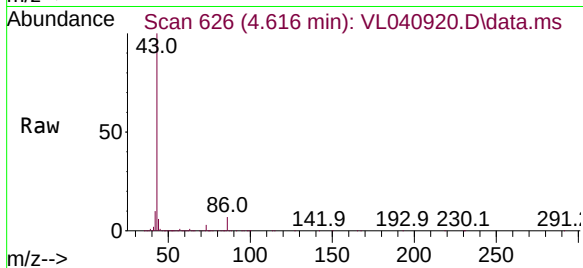


#23
 Vinyl Acetate
 Concen: 15.890 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL040920.D
 Acq: 20 Dec 2023 14:57

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 2707628

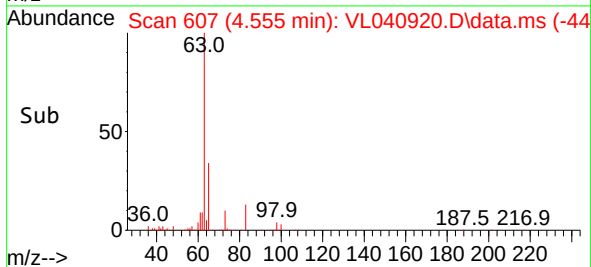
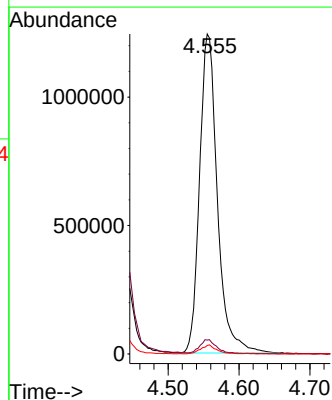
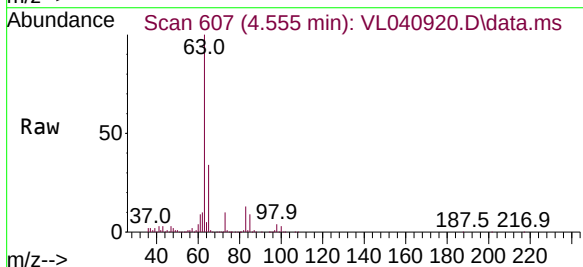
Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.5	8.3
42	10.3	8.4	12.6
44	5.5	4.2	6.4

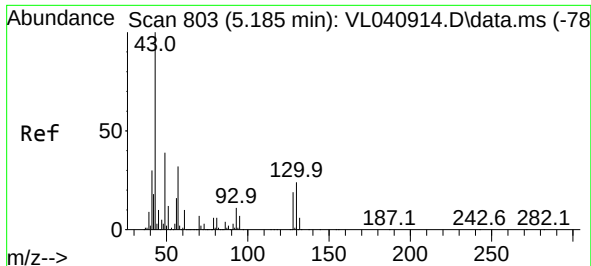


#24
 1,1-Dichloroethane
 Concen: 14.557 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. 0.006 min
 Lab File: VL040920.D
 Acq: 20 Dec 2023 14:57

Tgt Ion: 63 Resp: 2165882

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.7	1.4	4.2



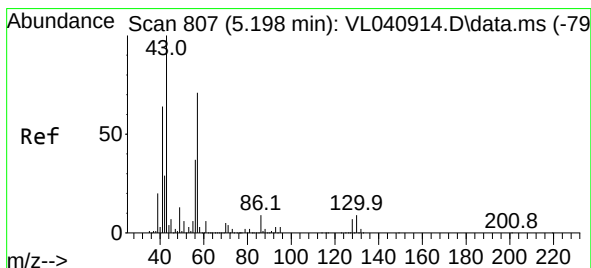
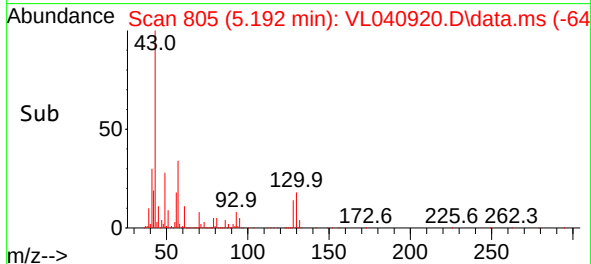
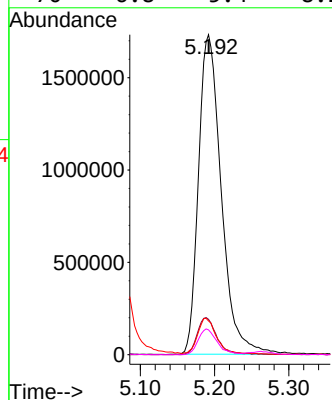
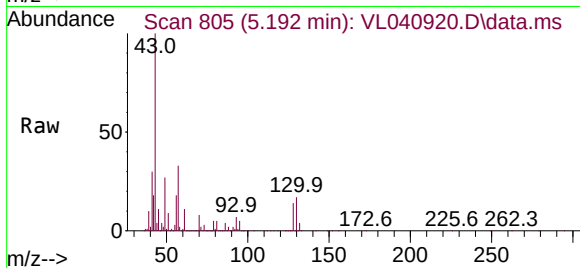


#25
Ethyl Acetate
Concen: 14.128 ppbv
RT: 5.192 min Scan# 801
Delta R.T. 0.007 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 3690814

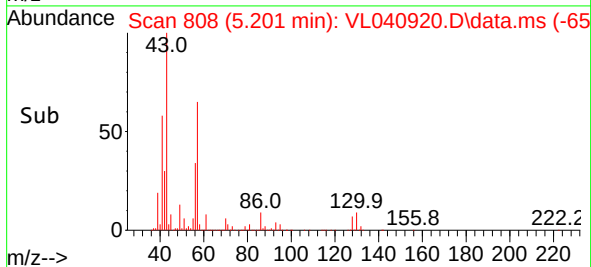
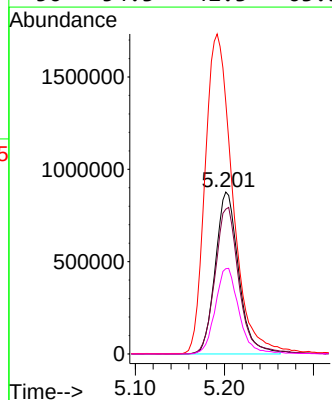
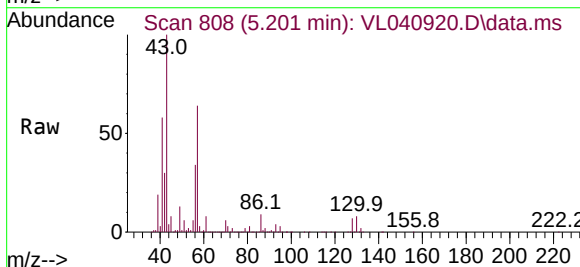
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.7	7.6	11.4
70	6.8	5.4	8.2

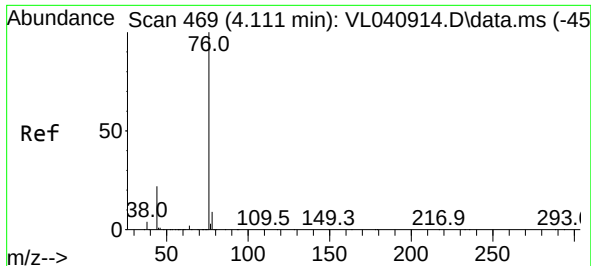


#26
Hexane
Concen: 13.657 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 57 Resp: 1592560

Ion	Ratio	Lower	Upper
57	100		
41	93.9	75.2	112.8
43	234.1	188.0	282.0
56	54.3	42.3	63.5



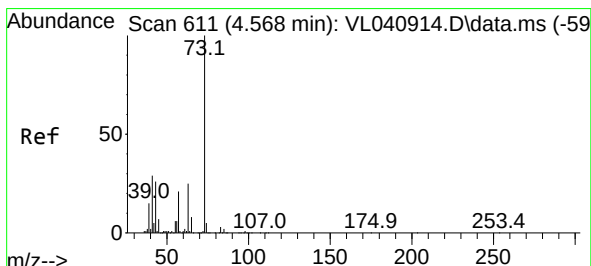
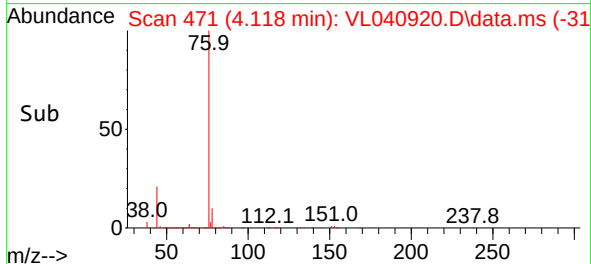
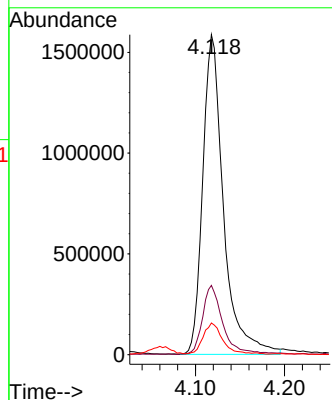
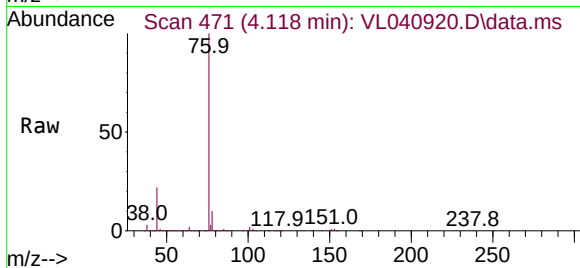


#27
Carbon Disulfide
Concen: 16.385 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 76 Resp: 2567509

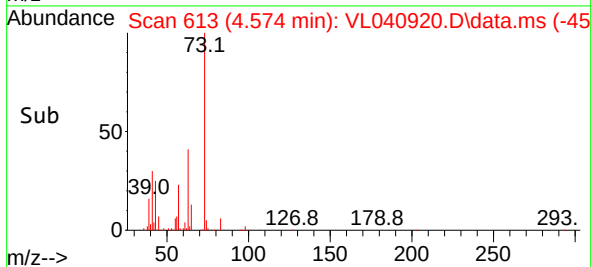
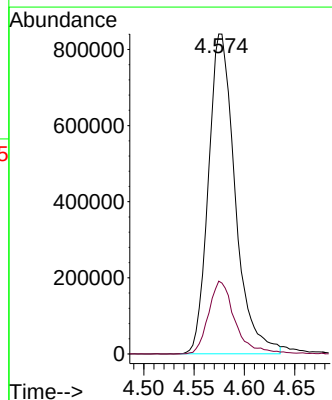
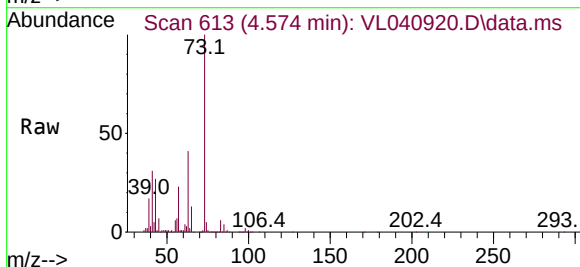
Ion	Ratio	Lower	Upper
76	100		
44	21.4	18.4	27.6
78	10.0	7.9	11.9

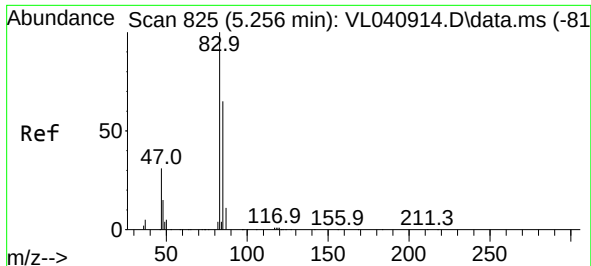


#28
Methyl tert-Butyl Ether
Concen: 14.439 ppbv
RT: 4.574 min Scan# 613
Delta R.T. 0.007 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 73 Resp: 1551349

Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.0	27.0





#29

Chloroform

Concen: 13.939 ppbv

RT: 5.266 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

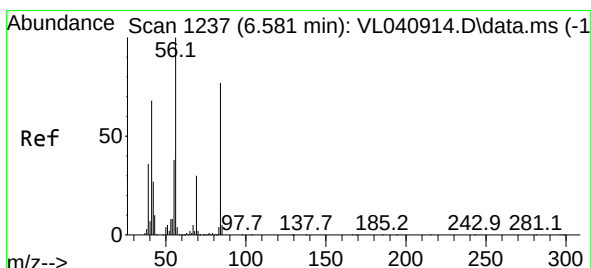
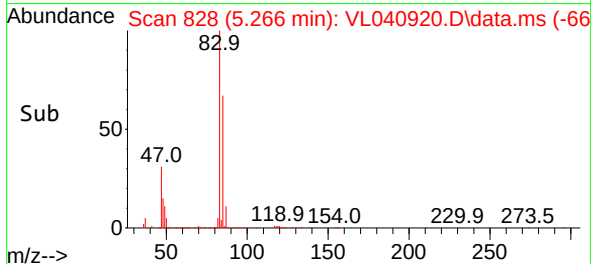
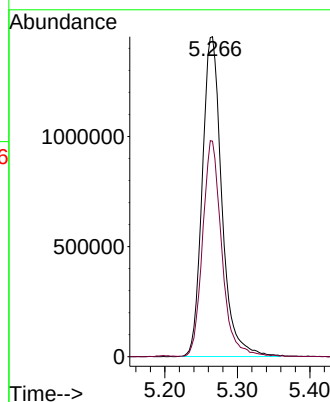
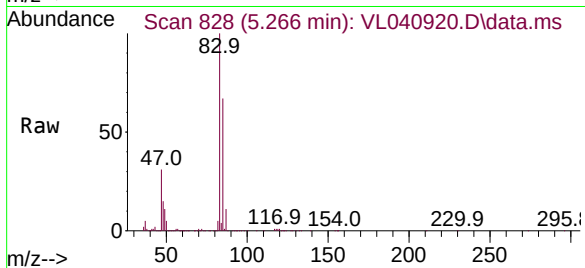
VSTDIC015

Tgt Ion: 83 Resp: 2723588

Ion Ratio Lower Upper

83 100

85 67.3 52.3 78.5



#30

Cyclohexane

Concen: 13.921 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.007 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

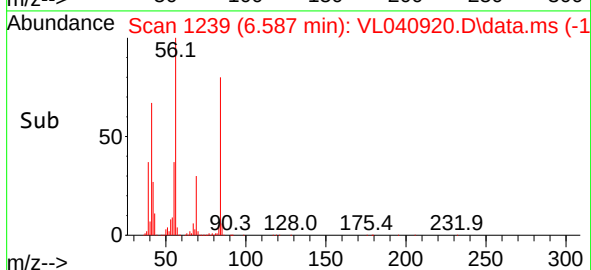
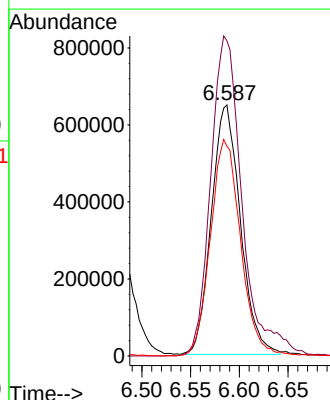
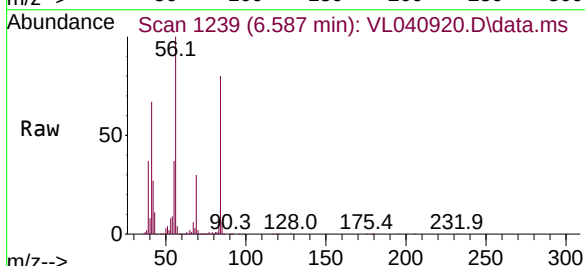
Tgt Ion: 84 Resp: 1343772

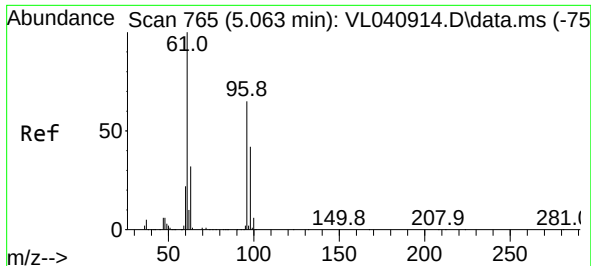
Ion Ratio Lower Upper

84 100

56 139.5 111.4 167.2

41 90.5 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 14.397 ppbv

RT: 5.066 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

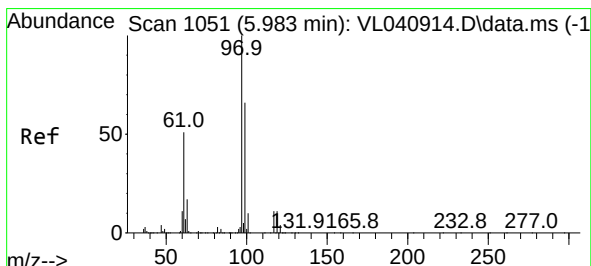
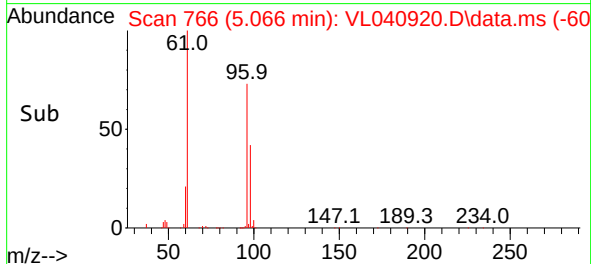
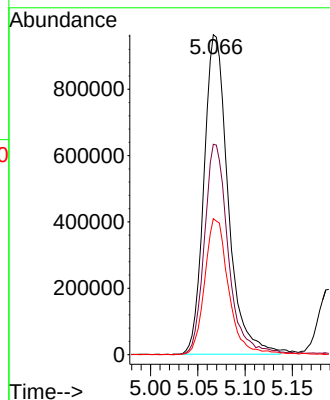
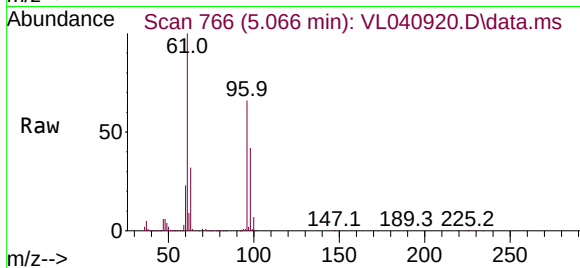
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 61 Resp: 1712273

Ion	Ratio	Lower	Upper
61	100		
96	65.7	51.7	77.5
98	42.5	33.2	49.8



#32

1,1,1-Trichloroethane

Concen: 14.720 ppbv

RT: 5.989 min Scan# 1053

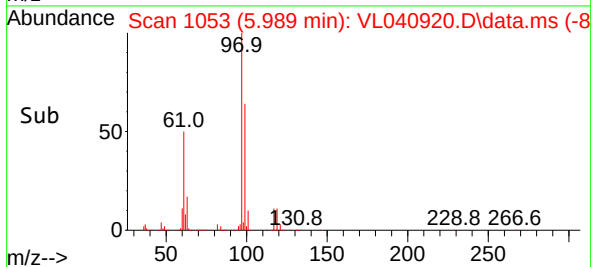
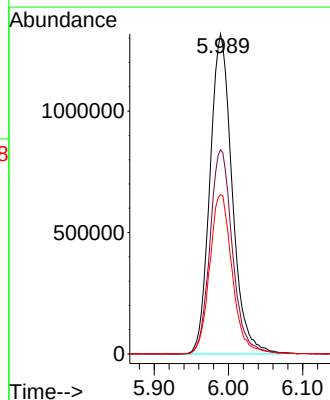
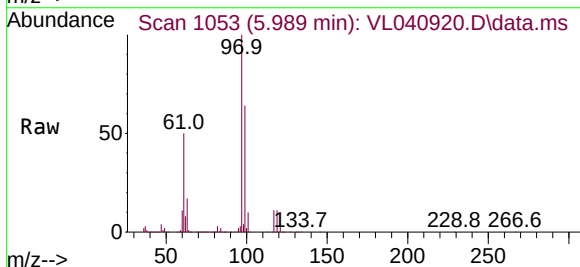
Delta R.T. 0.007 min

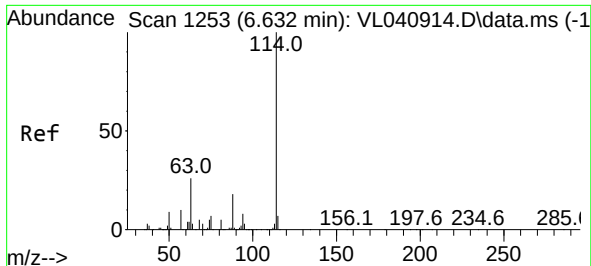
Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Tgt Ion: 97 Resp: 2740470

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	50.8	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

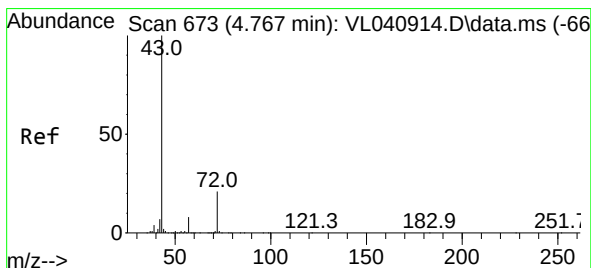
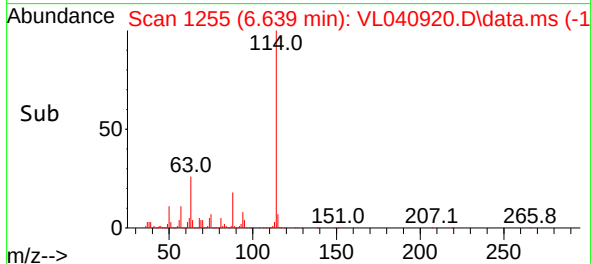
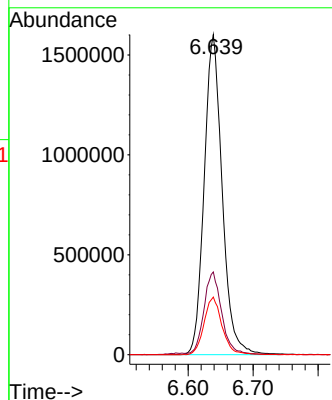
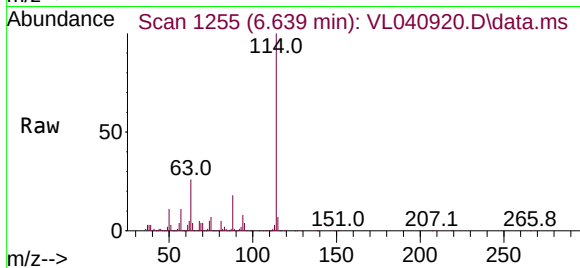
Tgt Ion:114 Resp: 3090910

Ion Ratio Lower Upper

114 100

63 26.2 21.0 31.6

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 14.651 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.007 min

Lab File: VL040920.D

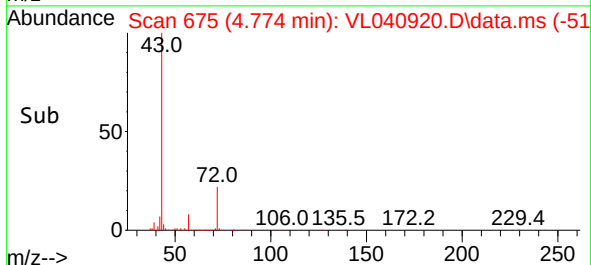
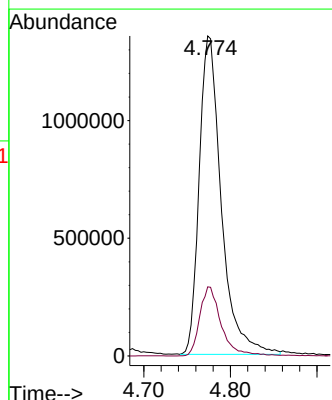
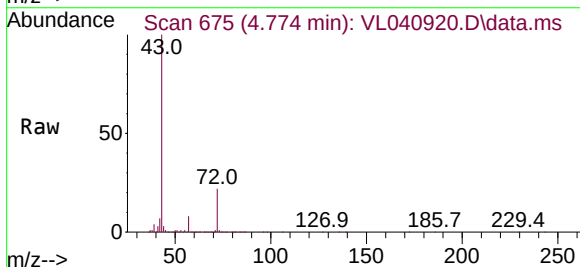
Acq: 20 Dec 2023 14:57

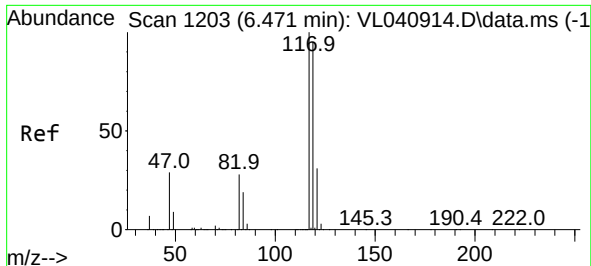
Tgt Ion: 43 Resp: 2395519

Ion Ratio Lower Upper

43 100

72 21.3 17.2 25.8

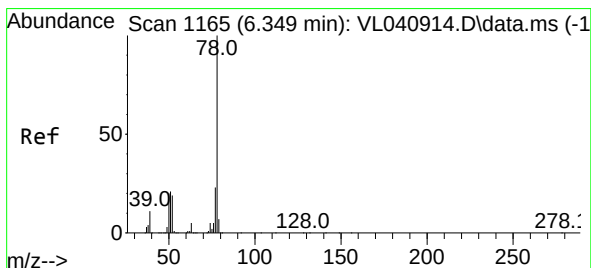
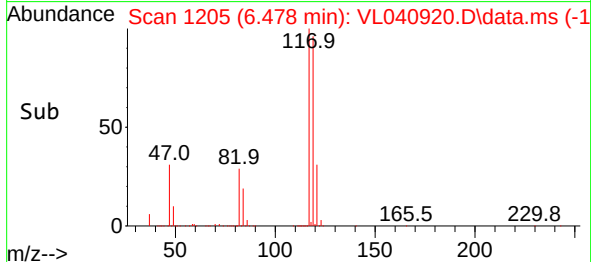
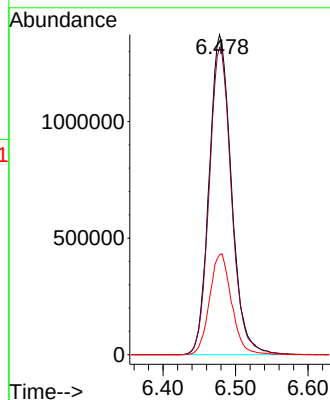
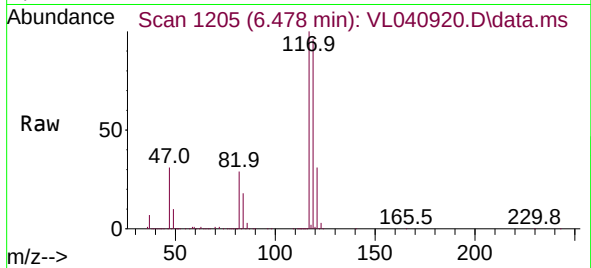




#35
Carbon Tetrachloride
Concen: 15.084 ppbv
RT: 6.478 min Scan# 1167
Delta R.T. 0.006 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

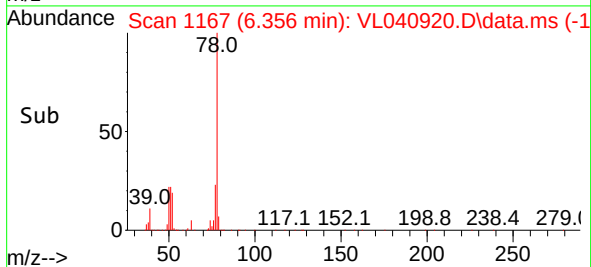
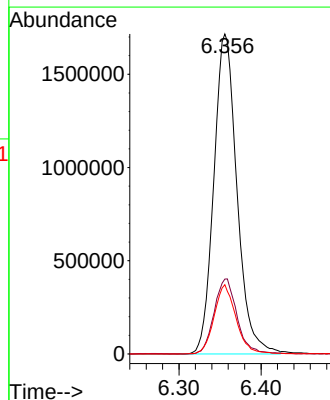
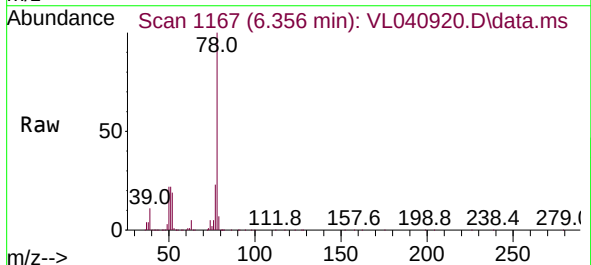
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

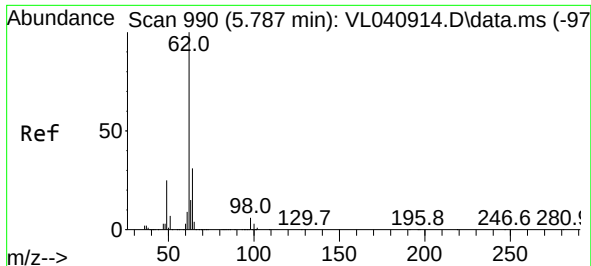
Tgt Ion:117 Resp: 2931280
Ion Ratio Lower Upper
117 100
119 96.0 76.3 114.5
121 31.3 24.9 37.3



#36
Benzene
Concen: 13.962 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.006 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 78 Resp: 3373664
Ion Ratio Lower Upper
78 100
77 23.4 18.4 27.6
50 21.7 16.0 24.0





#37

1,2-Dichloroethane

Concen: 14.709 ppbv

RT: 5.793 min Scan# 990

Delta R.T. 0.007 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

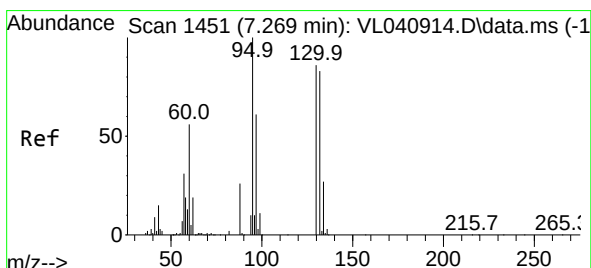
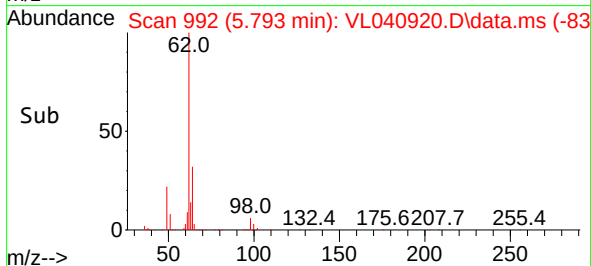
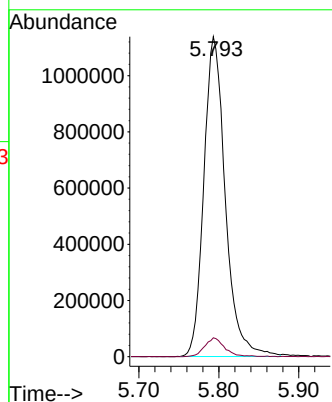
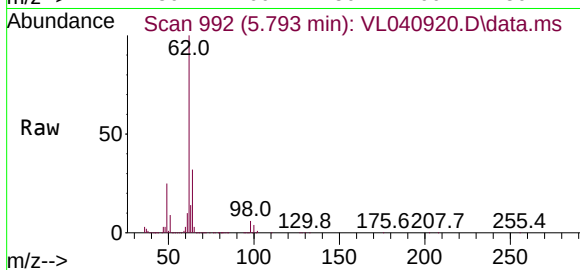
VSTDIC015

Tgt Ion: 62 Resp: 2129563

Ion Ratio Lower Upper

62 100

98 5.7 4.6 7.0



#38

Trichloroethene

Concen: 14.187 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Tgt Ion:130 Resp: 1318454

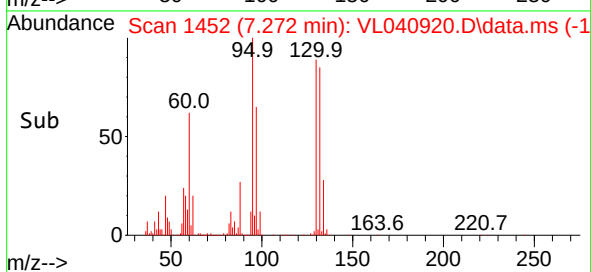
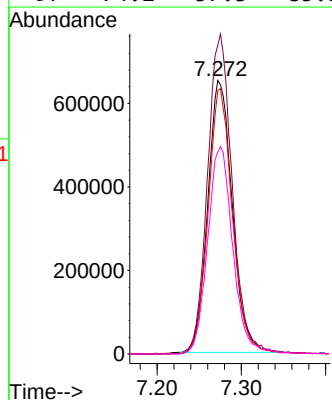
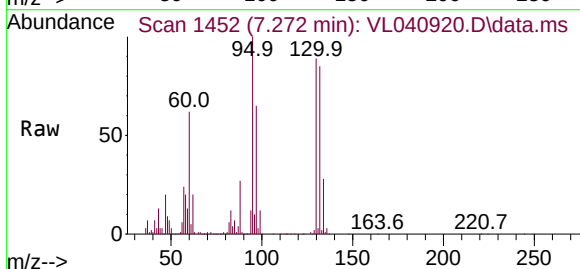
Ion Ratio Lower Upper

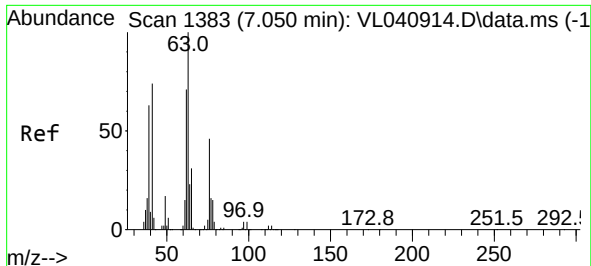
130 100

95 113.5 93.5 140.3

132 96.9 77.4 116.2

97 74.2 57.3 85.9





#39

1,2-Dichloropropane

Concen: 14.214 ppbv

RT: 7.053 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

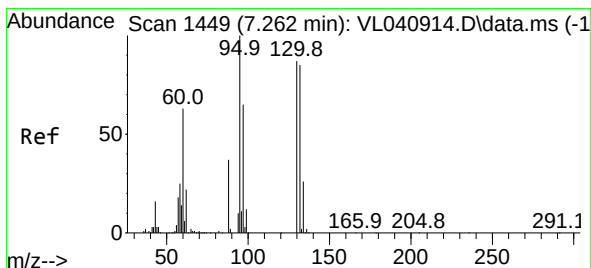
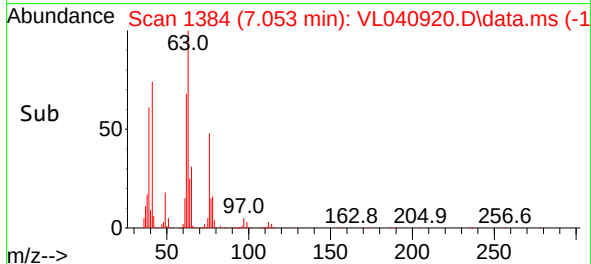
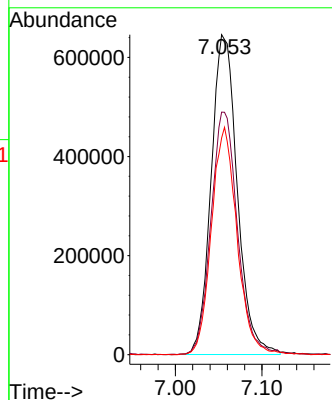
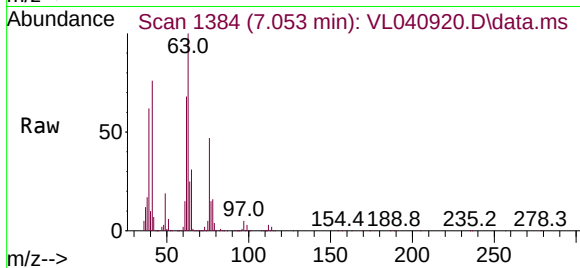
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 1353412

Ion	Ratio	Lower	Upper
63	100		
41	75.6	59.0	88.6
62	67.7	56.6	85.0



#40

1,4-Dioxane

Concen: 14.017 ppbv

RT: 7.262 min Scan# 1449

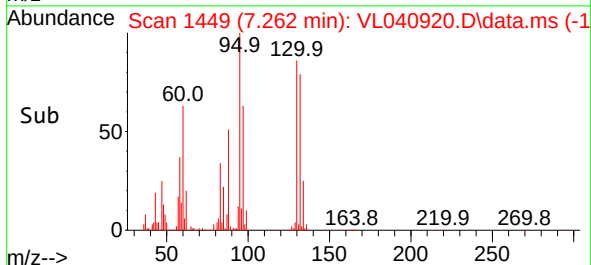
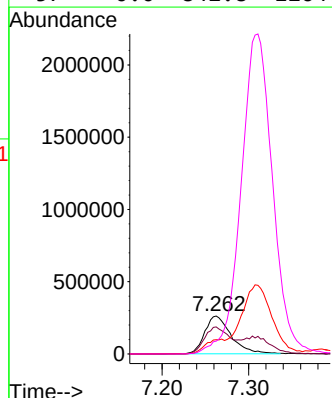
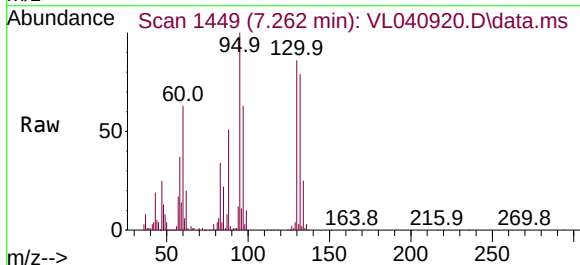
Delta R.T. 0.000 min

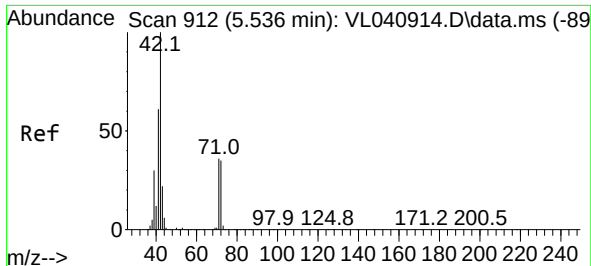
Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Tgt Ion: 88 Resp: 552232

Ion	Ratio	Lower	Upper
88	100		
58	73.6	97.3	145.9#
43	0.0	200.6	300.8#
57	0.0	842.8	1264.2#





#41

Tetrahydrofuran

Concen: 14.452 ppbv

RT: 5.539 min Scan# 912

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

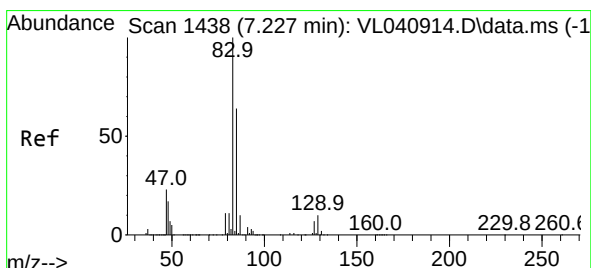
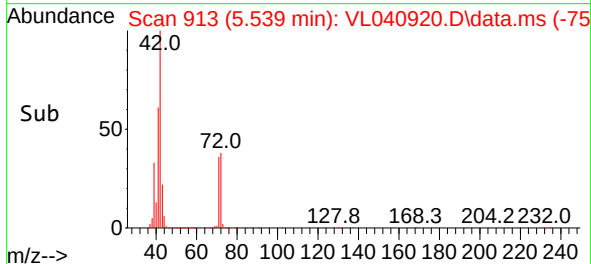
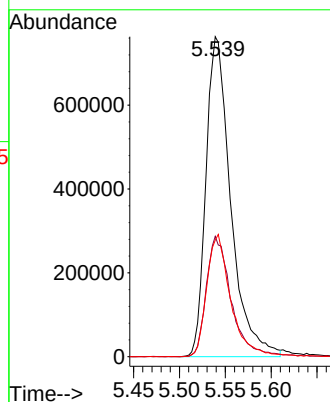
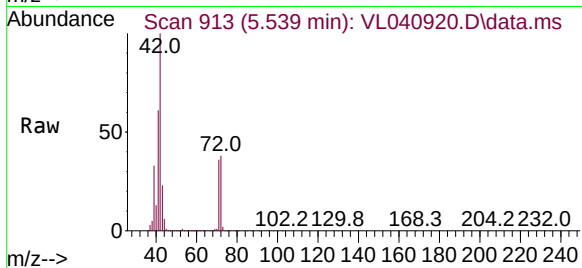
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 1434145

Ion	Ratio	Lower	Upper
42	100		
72	38.2	29.6	44.4
71	37.4	29.1	43.7



#42

Bromodichloromethane

Concen: 14.684 ppbv

RT: 7.234 min Scan# 1440

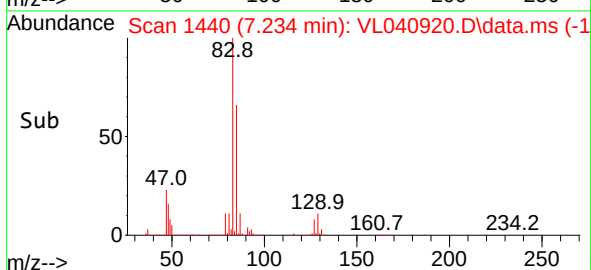
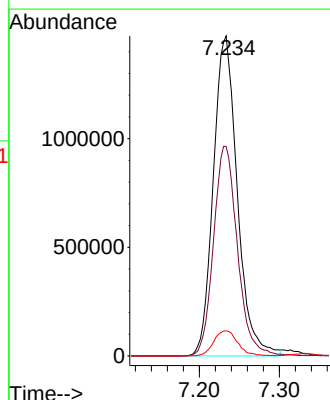
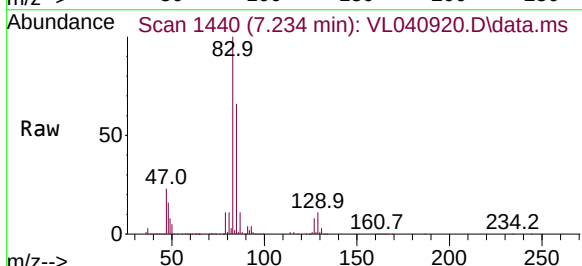
Delta R.T. 0.007 min

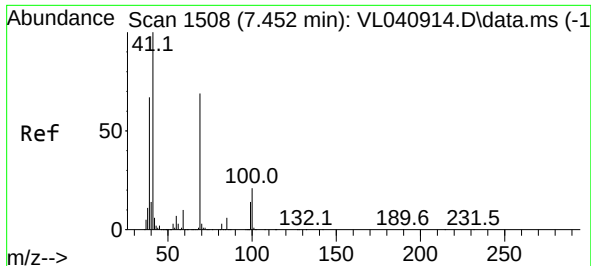
Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Tgt Ion: 83 Resp: 3066154

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.0
127	7.9	5.9	8.9



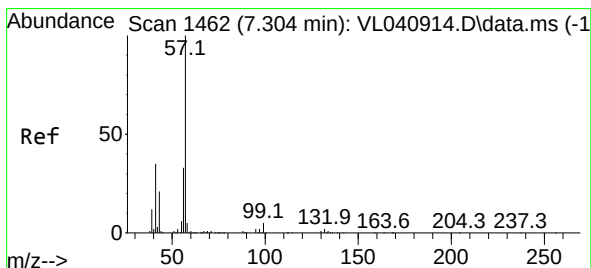
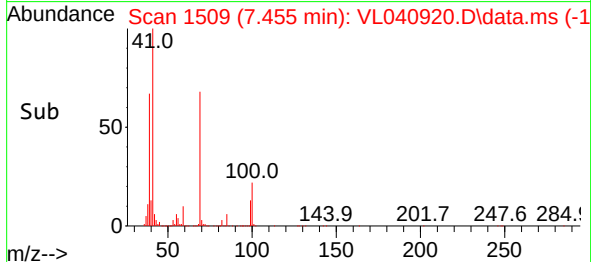
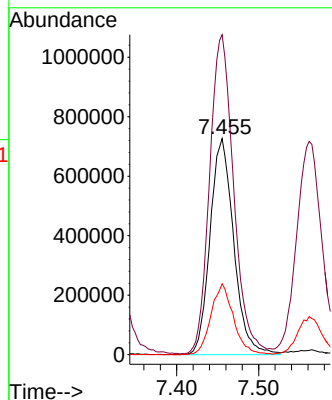
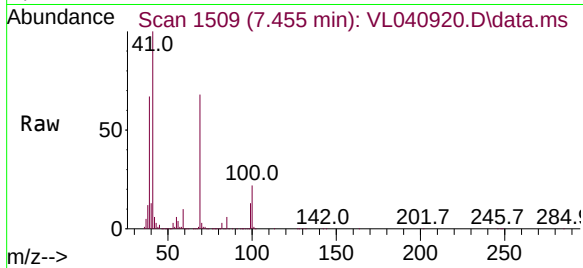


#43
Methyl Methacrylate
Concen: 15.466 ppbv
RT: 7.455 min Scan# 1509
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

Tgt Ion: 69 Resp: 1457151

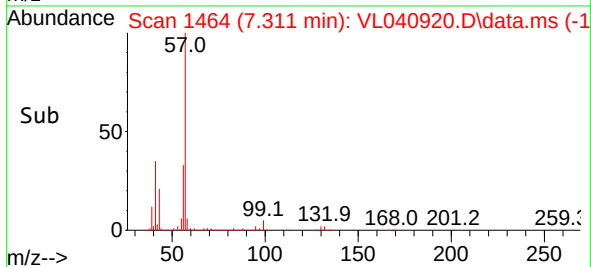
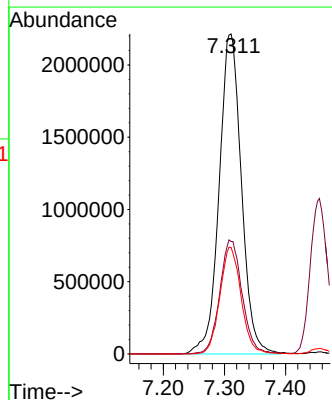
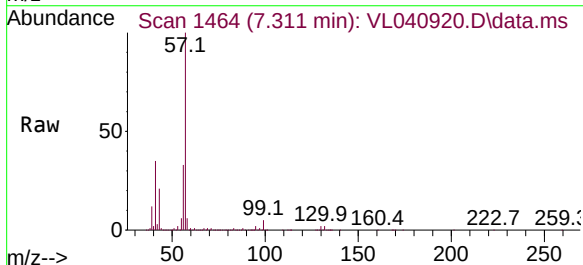
Ion	Ratio	Lower	Upper
69	100		
41	150.4	119.9	179.9
100	31.4	25.1	37.7

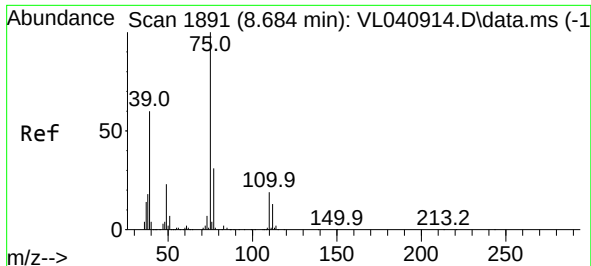


#44
2,2,4-Trimethylpentane
Concen: 13.647 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.007 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 57 Resp: 5601380

Ion	Ratio	Lower	Upper
57	100		
41	35.8	28.2	42.4
56	31.9	25.3	37.9

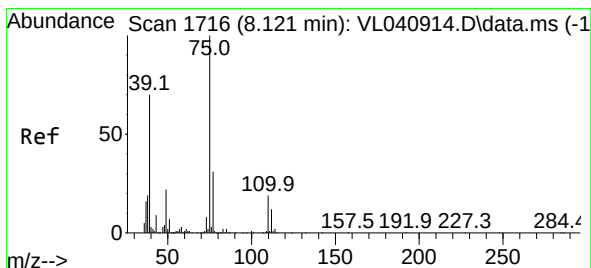
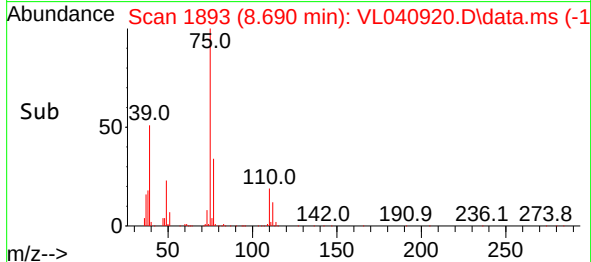
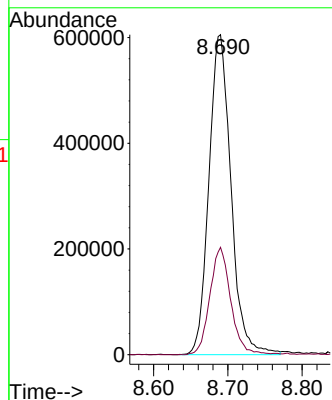
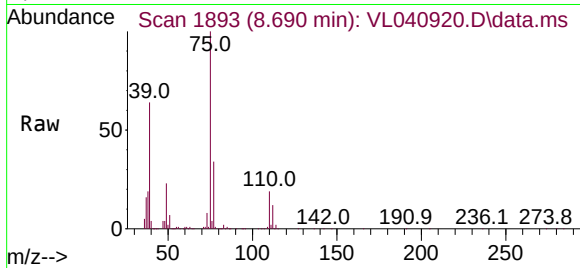




#45
t-1,3-Dichloropropene
Concen: 17.880 ppbv
RT: 8.690 min Scan# 1891
Delta R.T. 0.007 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

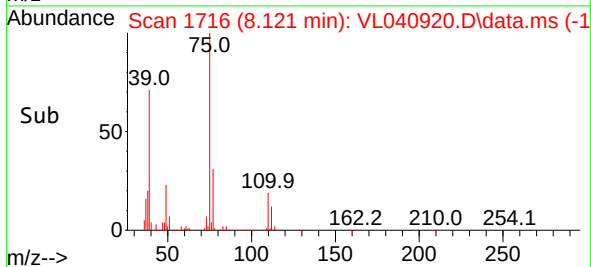
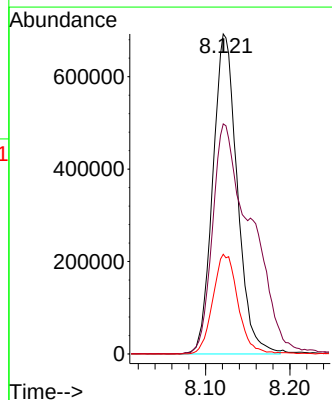
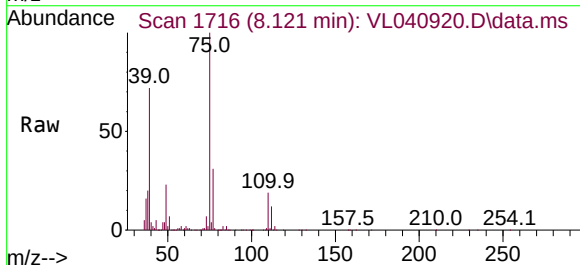
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

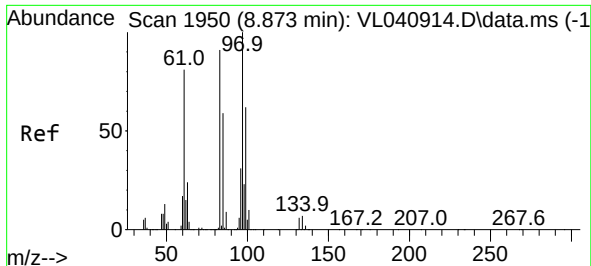
Tgt Ion: 75 Resp: 1249112
Ion Ratio Lower Upper
75 100
77 33.6 24.8 37.2



#46
cis-1,3-Dichloropropene
Concen: 16.029 ppbv
RT: 8.121 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 75 Resp: 1394635
Ion Ratio Lower Upper
75 100
39 71.9 56.2 84.4
77 31.1 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 14.271 ppbv

RT: 8.877 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1453980

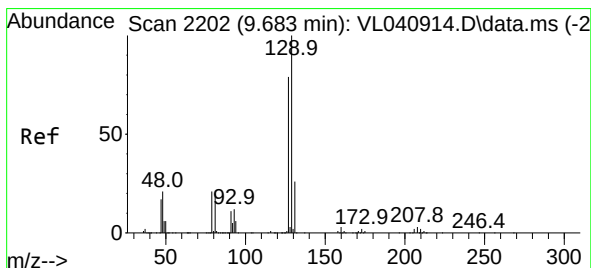
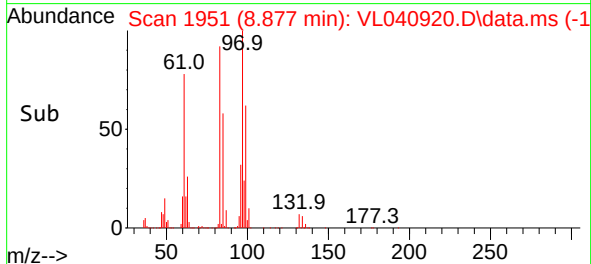
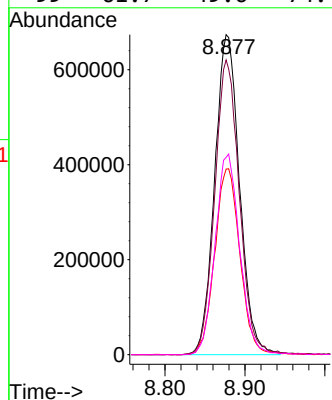
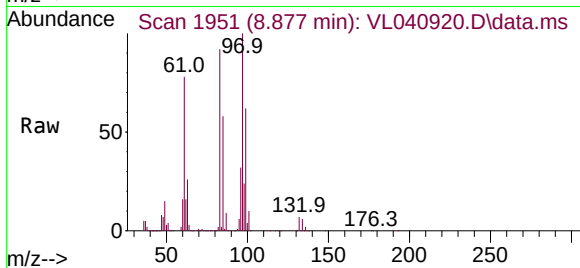
Ion Ratio Lower Upper

97 100

83 92.1 72.6 108.8

85 58.0 47.4 71.0

99 61.7 49.6 74.4



#48

Dibromochloromethane

Concen: 15.125 ppbv

RT: 9.690 min Scan# 2204

Delta R.T. 0.007 min

Lab File: VL040920.D

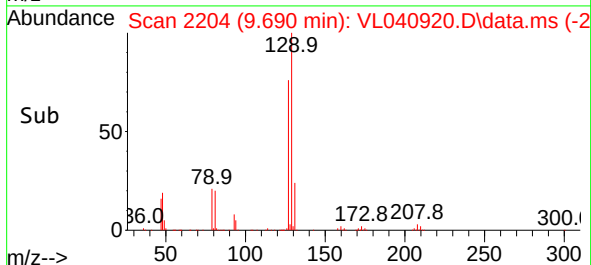
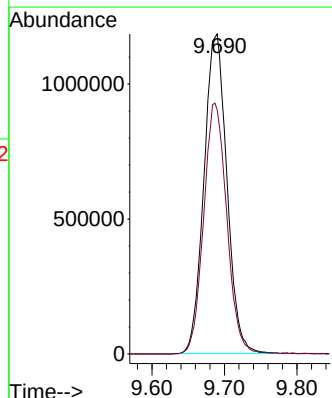
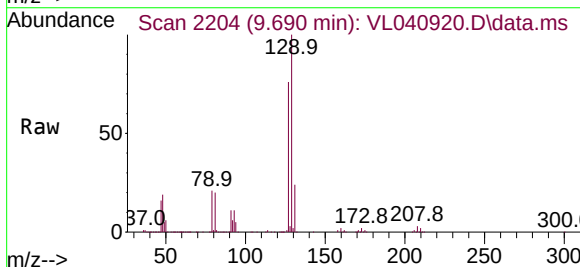
Acq: 20 Dec 2023 14:57

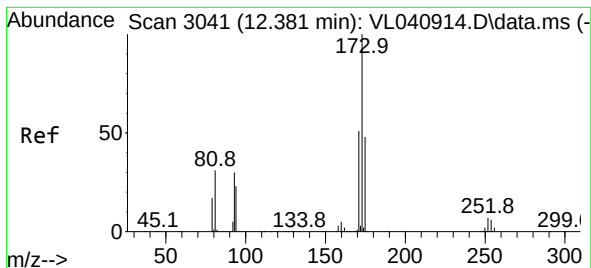
Tgt Ion: 129 Resp: 2602201

Ion Ratio Lower Upper

129 100

127 79.4 39.6 119.0





#49

Bromoform

Concen: 15.926 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. 0.000 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

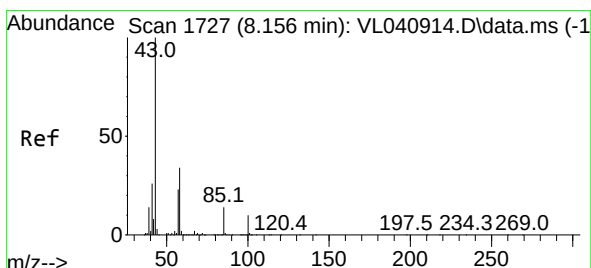
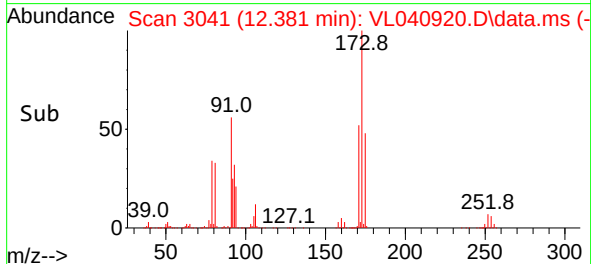
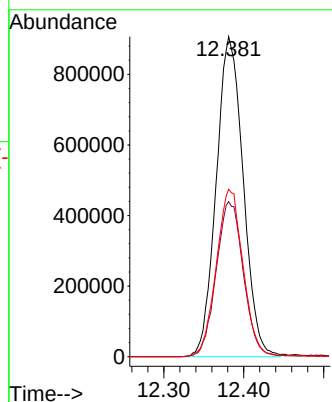
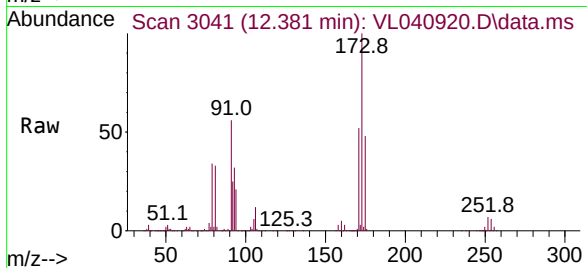
Tgt Ion:173 Resp: 2120241

Ion Ratio Lower Upper

173 100

175 48.9 39.3 58.9

171 52.3 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 14.700 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VL040920.D

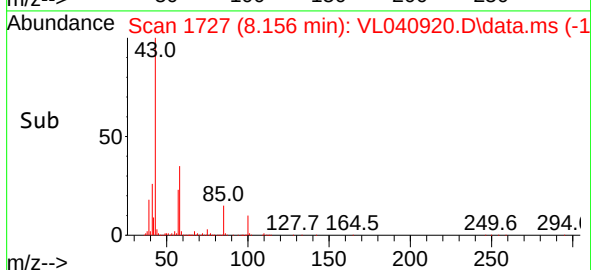
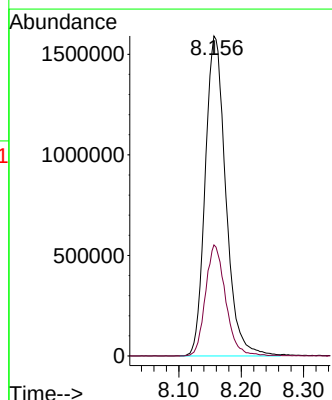
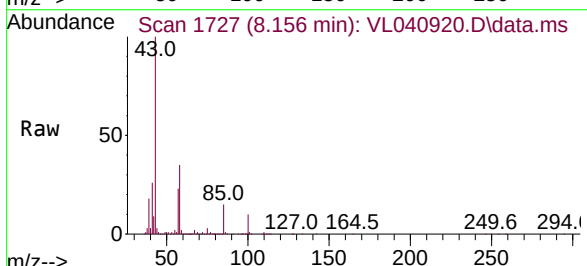
Acq: 20 Dec 2023 14:57

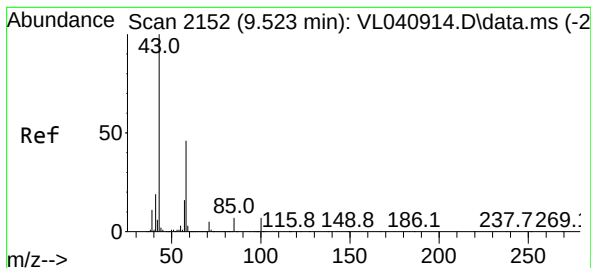
Tgt Ion: 43 Resp: 3648768

Ion Ratio Lower Upper

43 100

58 34.2 27.4 41.0





#51

2-Hexanone

Concen: 15.282 ppbv

RT: 9.526 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

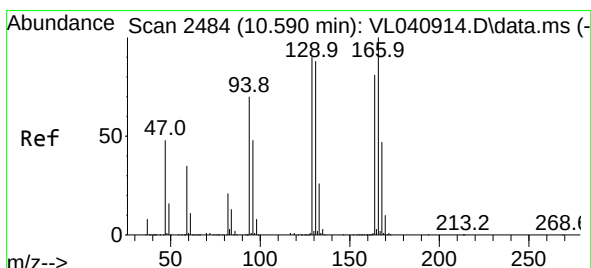
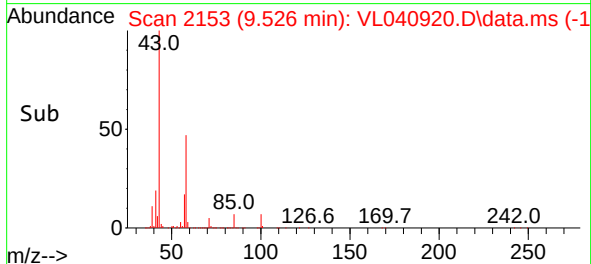
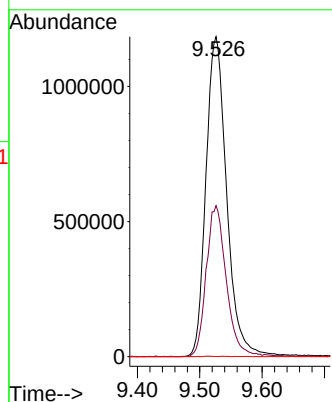
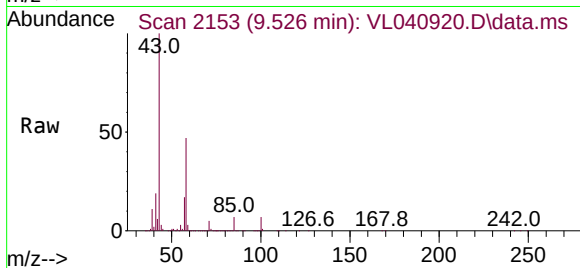
Tgt Ion: 43 Resp: 2728642

Ion Ratio Lower Upper

43 100

58 46.2 37.3 55.9

98 0.1 0.2 0.2#



#52

Tetrachloroethene

Concen: 14.755 ppbv

RT: 10.594 min Scan# 2485

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Tgt Ion:164 Resp: 1202224

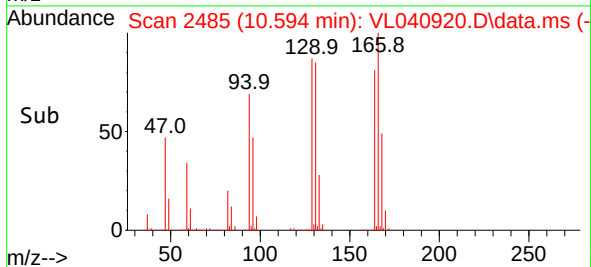
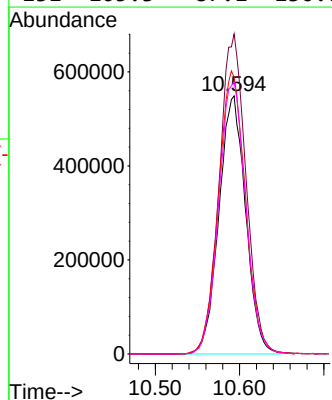
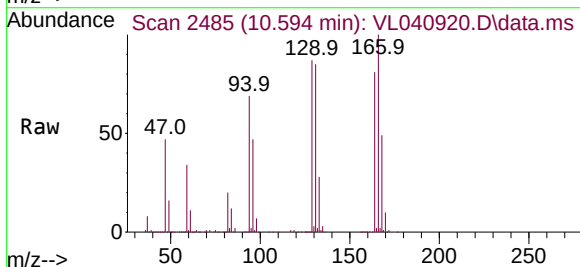
Ion Ratio Lower Upper

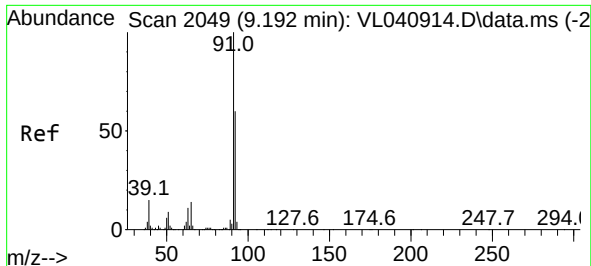
164 100

166 123.9 98.9 148.3

129 107.2 88.7 133.1

131 105.3 87.1 130.7

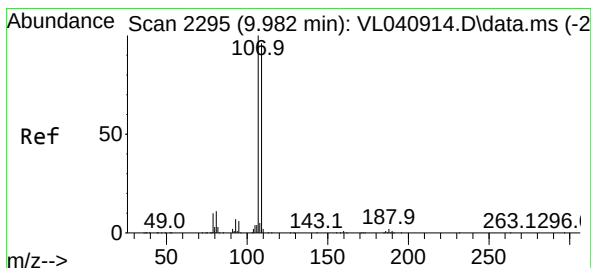
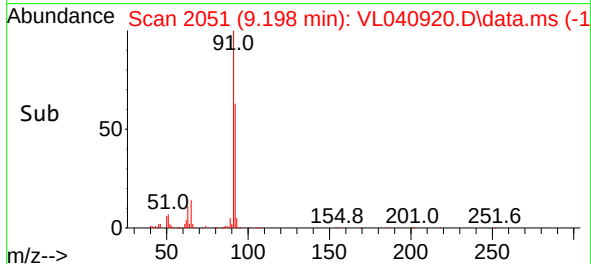
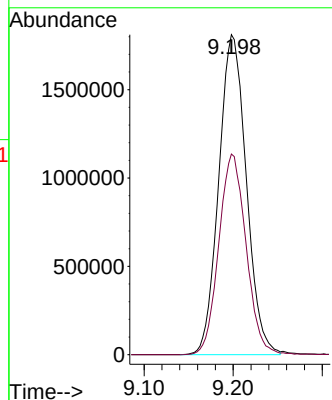
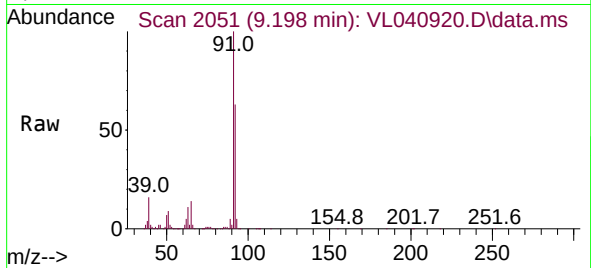




#53
Toluene
Concen: 14.407 ppbv
RT: 9.198 min Scan# 2049
Delta R.T. 0.007 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

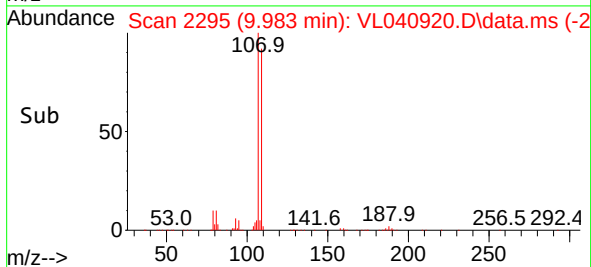
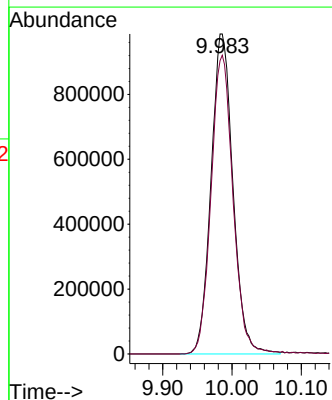
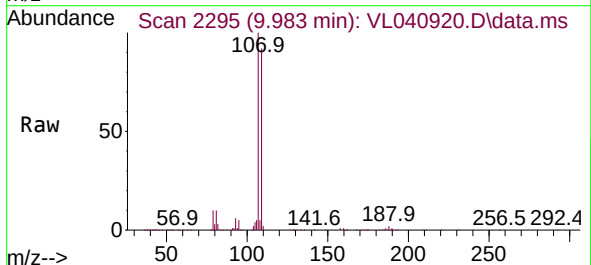
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

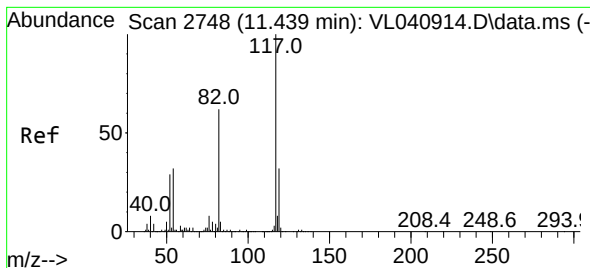
Tgt Ion: 91 Resp: 3889456
Ion Ratio Lower Upper
91 100
92 62.3 49.2 73.8



#54
1,2-Dibromoethane
Concen: 15.552 ppbv
RT: 9.983 min Scan# 2295
Delta R.T. 0.000 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 107 Resp: 2163453
Ion Ratio Lower Upper
107 100
109 91.6 77.0 115.4

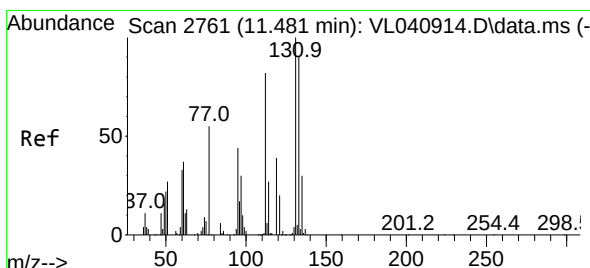
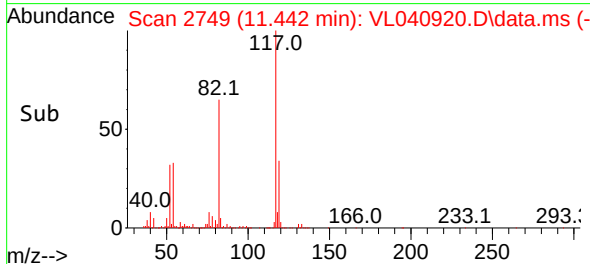
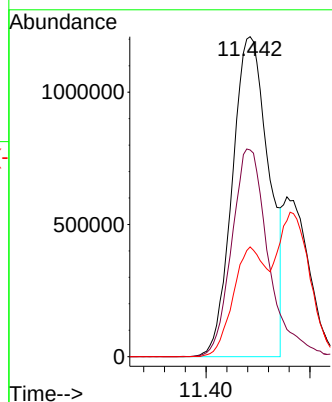
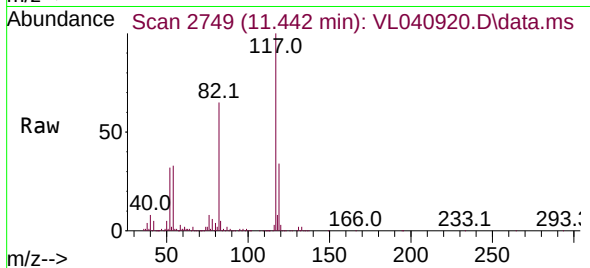




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

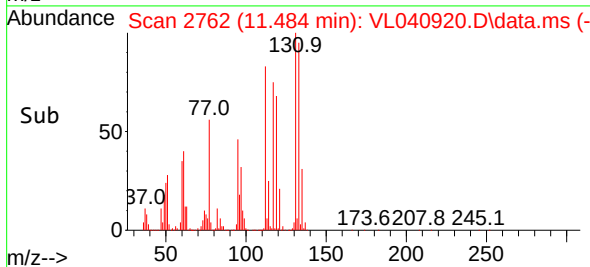
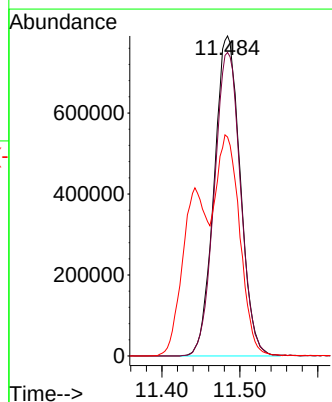
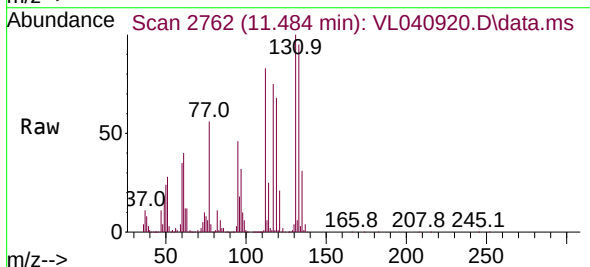
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

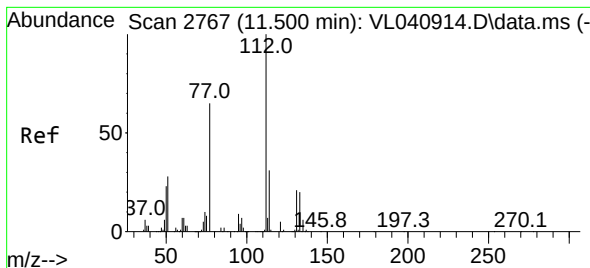
Tgt Ion:117 Resp: 2953027
Ion Ratio Lower Upper
117 100
82 65.9 49.6 74.4
119 31.2 23.4 35.0



#56
1,1,1,2-Tetrachloroethane
Concen: 14.223 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion:131 Resp: 1836654
Ion Ratio Lower Upper
131 100
133 95.7 76.3 114.5
119 71.6 48.6 73.0

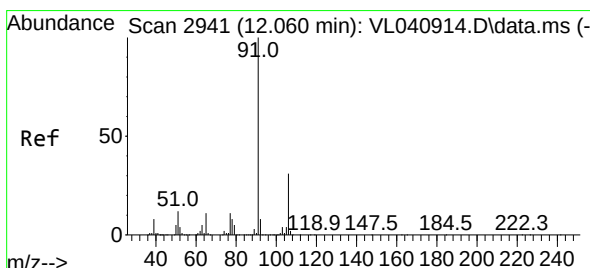
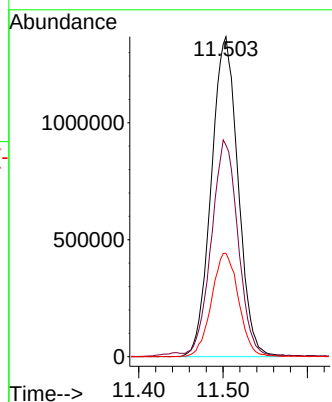
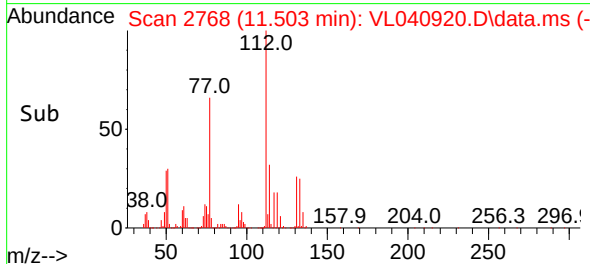
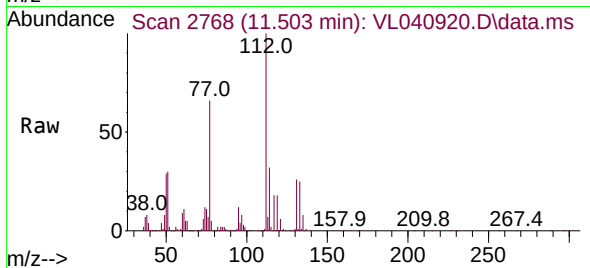




#57
Chlorobenzene
Concen: 13.863 ppbv
RT: 11.503 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

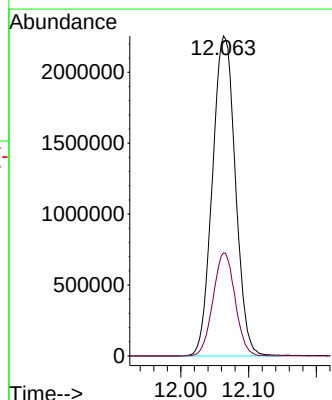
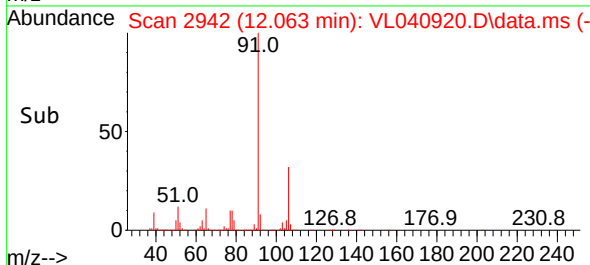
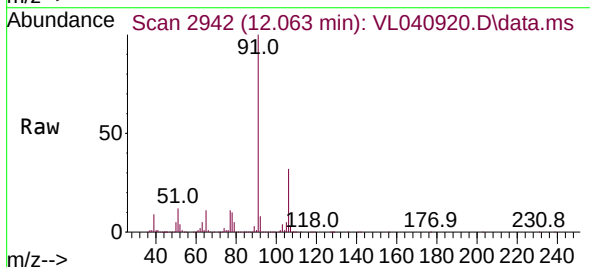
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

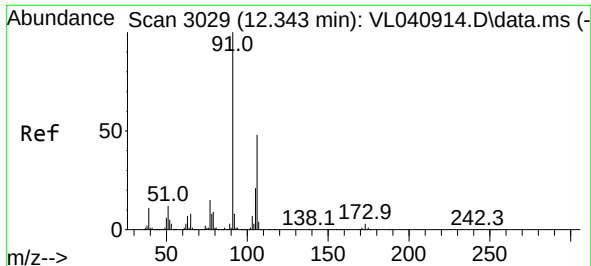
Tgt Ion:112 Resp: 3021313
Ion Ratio Lower Upper
112 100
77 65.6 52.7 79.1
114 32.2 28.4 34.7



#58
Ethyl Benzene
Concen: 14.020 ppbv
RT: 12.063 min Scan# 2942
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 91 Resp: 5319872
Ion Ratio Lower Upper
91 100
106 32.2 24.9 37.3





#59

m/p-Xylene

Concen: 14.893 ppbv

RT: 12.346 min Scan# 3029

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

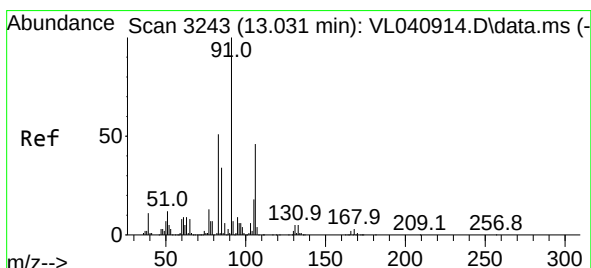
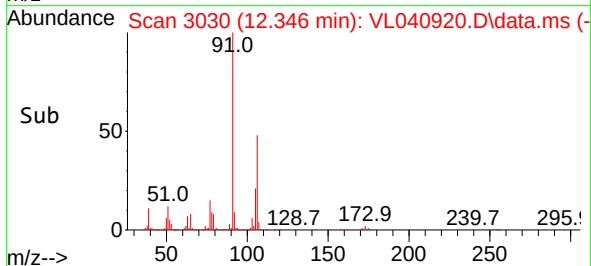
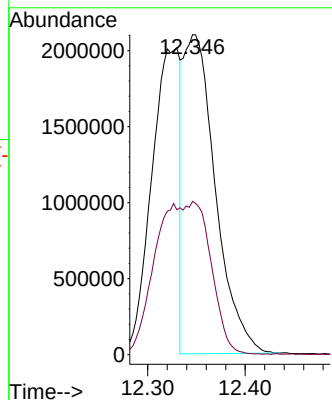
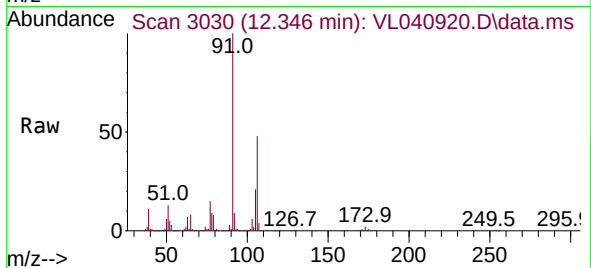
VSTDIC015

Tgt Ion: 91 Resp: 4805279

Ion Ratio Lower Upper

91 100

106 82.5 0.0 0.0#



#60

o-Xylene

Concen: 14.015 ppbv

RT: 13.034 min Scan# 3244

Delta R.T. 0.003 min

Lab File: VL040920.D

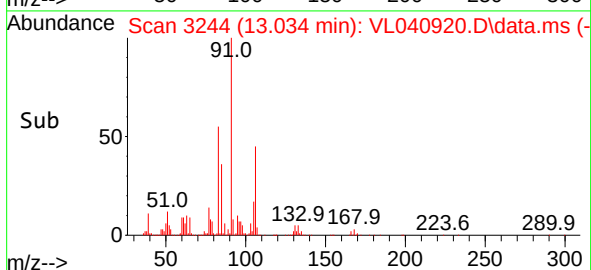
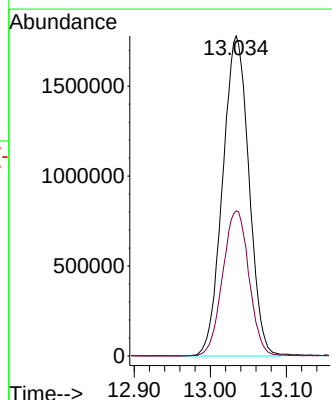
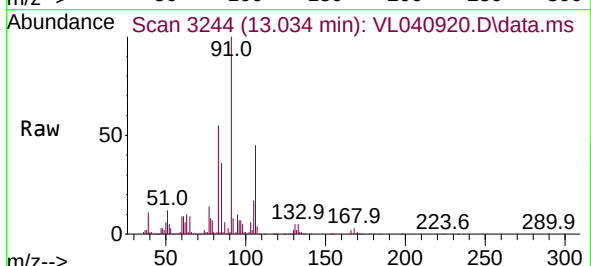
Acq: 20 Dec 2023 14:57

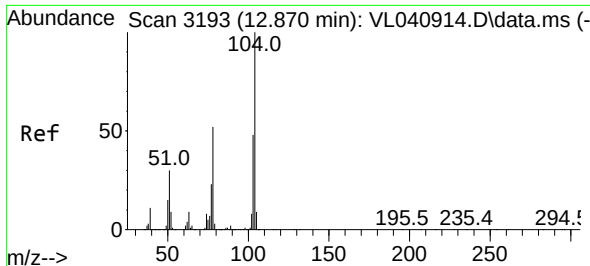
Tgt Ion: 91 Resp: 4260339

Ion Ratio Lower Upper

91 100

106 45.6 22.6 67.7

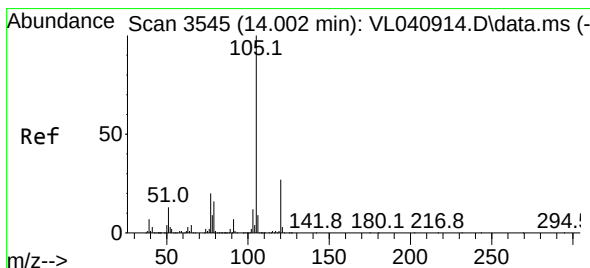
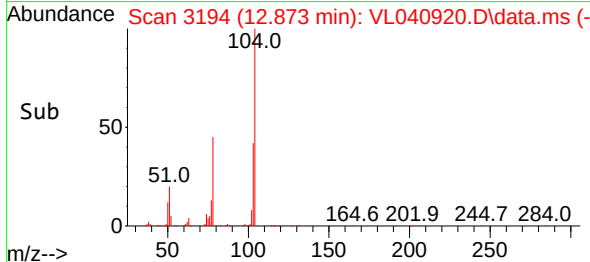
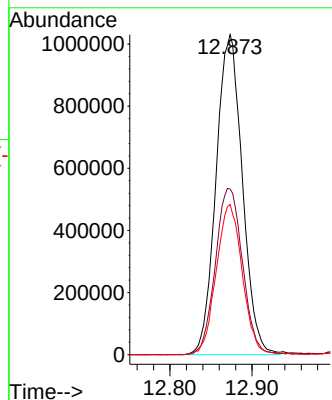
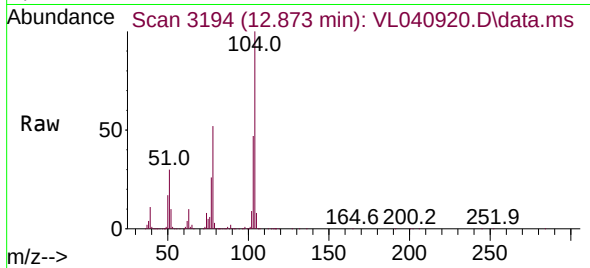




#61
Styrene
Concen: 15.838 ppbv
RT: 12.873 min Scan# 3194
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

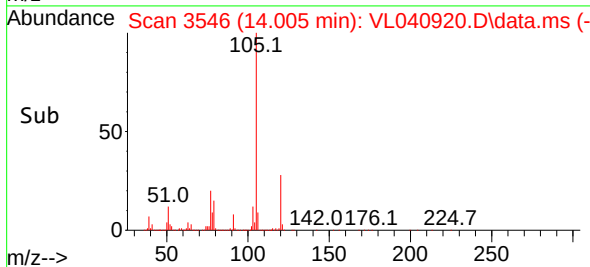
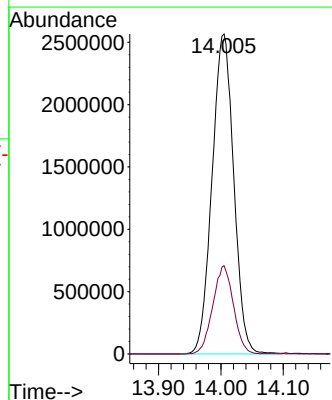
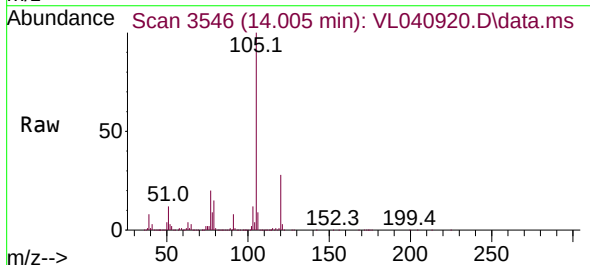
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

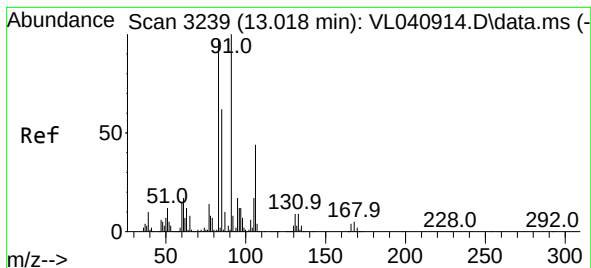
Tgt Ion:104 Resp: 2296612
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.4
103 46.7 37.6 56.4



#62
Isopropylbenzene
Concen: 13.753 ppbv
RT: 14.005 min Scan# 3546
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion:105 Resp: 6199563
Ion Ratio Lower Upper
105 100
120 26.3 20.7 31.1

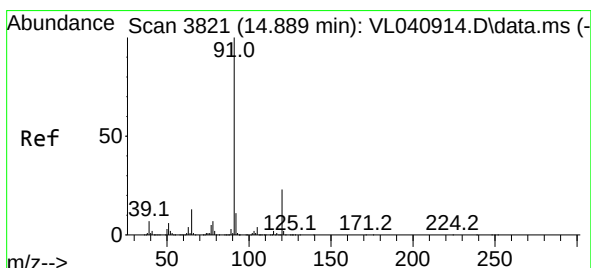
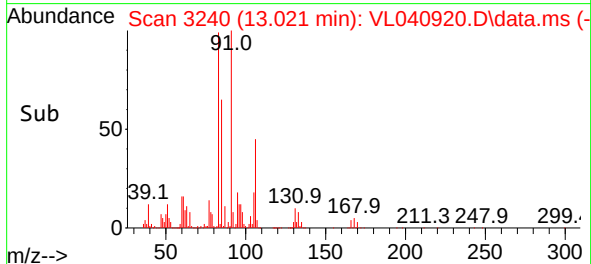
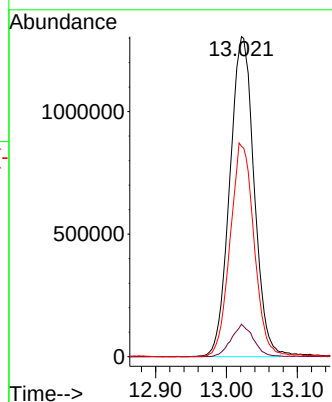
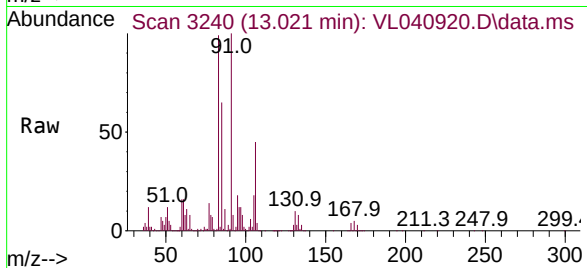




#63
1,1,2,2-Tetrachloroethane
Concen: 14.217 ppbv
RT: 13.021 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

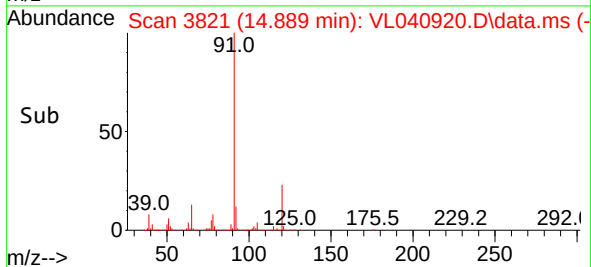
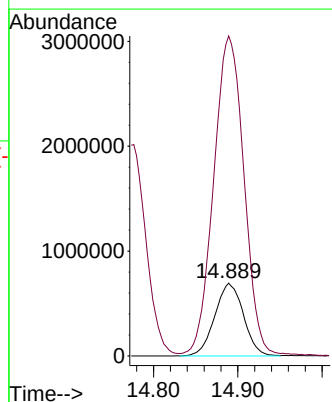
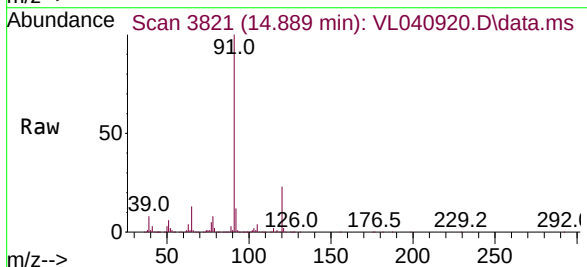
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

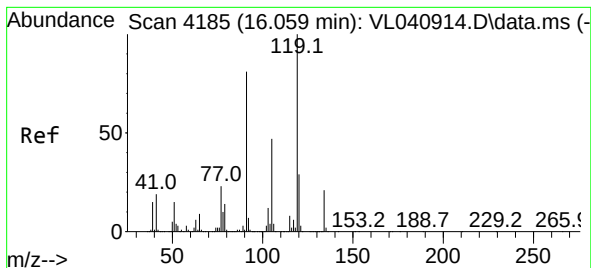
Tgt Ion: 83 Resp: 3103389
Ion Ratio Lower Upper
83 100
131 9.4 4.7 14.0
85 66.6 32.6 98.0



#64
n-propylbenzene
Concen: 14.373 ppbv
RT: 14.889 min Scan# 3821
Delta R.T. 0.000 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 120 Resp: 1635123
Ion Ratio Lower Upper
120 100
91 468.4 381.9 572.9





#65

tert-Butylbenzene

Concen: 13.980 ppbv

RT: 16.063 min Scan# 4185

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

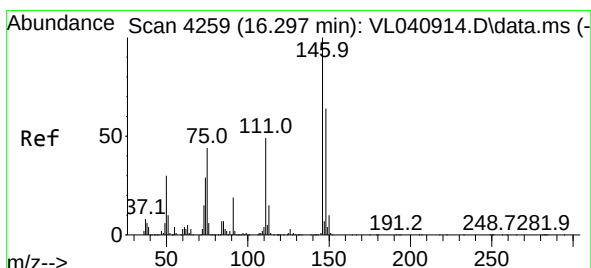
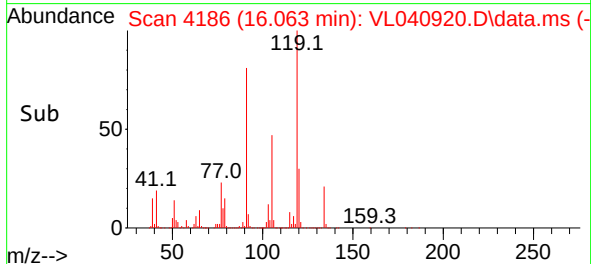
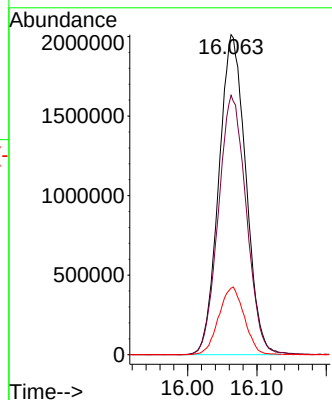
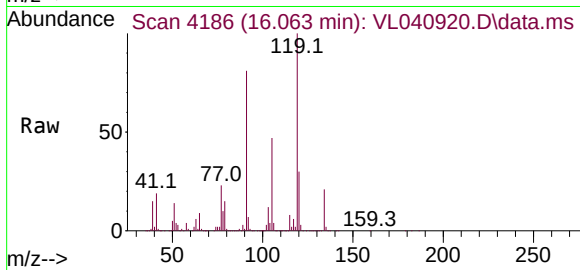
Tgt Ion:119 Resp: 5442169

Ion Ratio Lower Upper

119 100

91 83.7 67.2 100.8

134 20.1 15.8 23.6



#66

Benzyl Chloride

Concen: 20.317 ppbv

RT: 16.297 min Scan# 4259

Delta R.T. 0.000 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

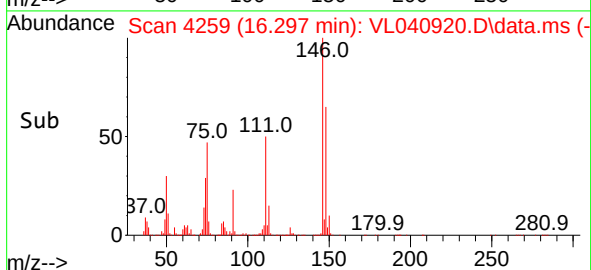
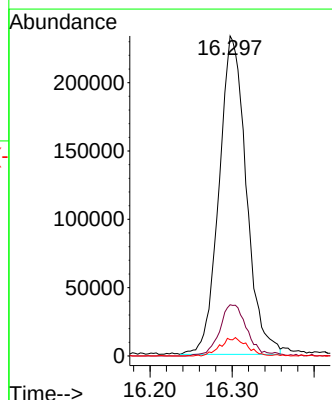
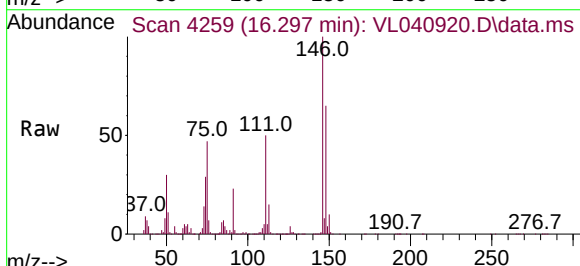
Tgt Ion: 91 Resp: 536018

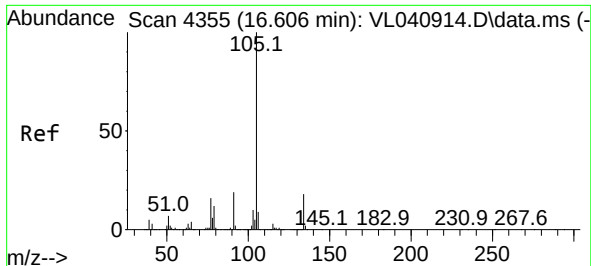
Ion Ratio Lower Upper

91 100

126 16.6 14.1 21.1

128 5.8 4.6 6.8

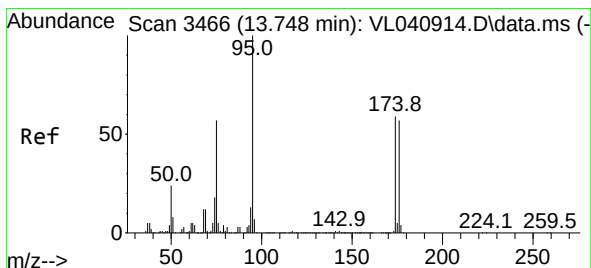
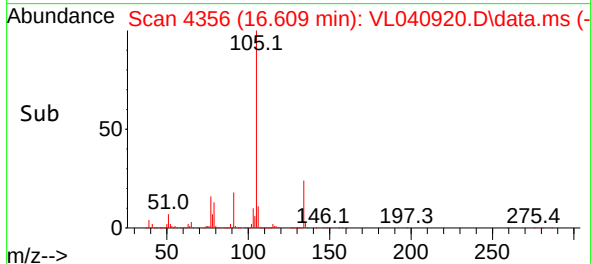
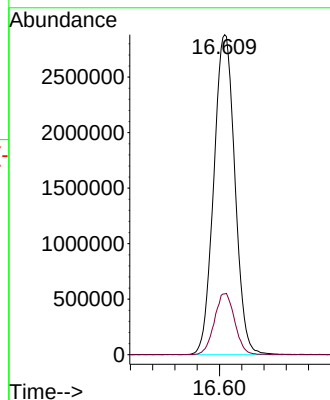
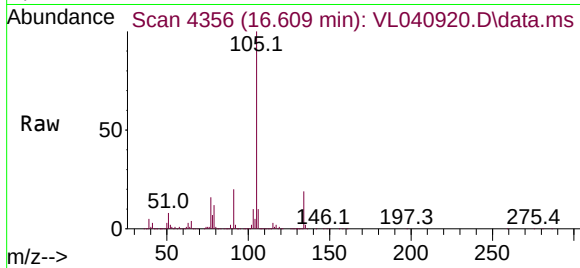




#67
 sec-Butylbenzene
 Concen: 13.637 ppbv
 RT: 16.609 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040920.D
 Acq: 20 Dec 2023 14:57

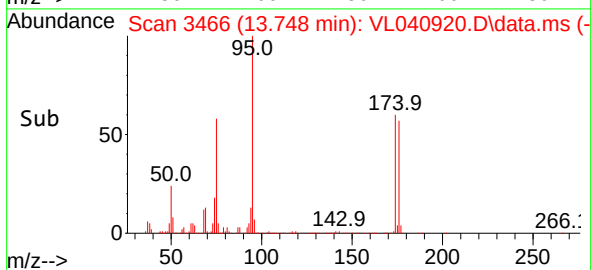
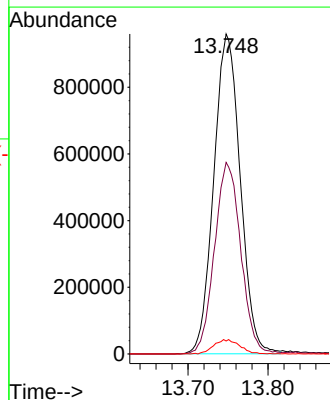
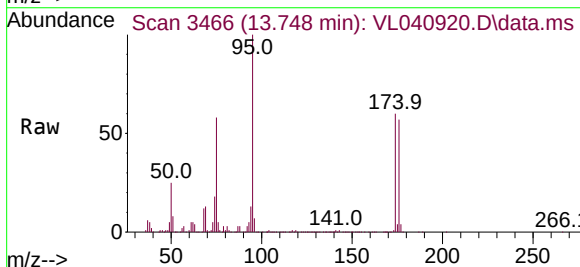
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

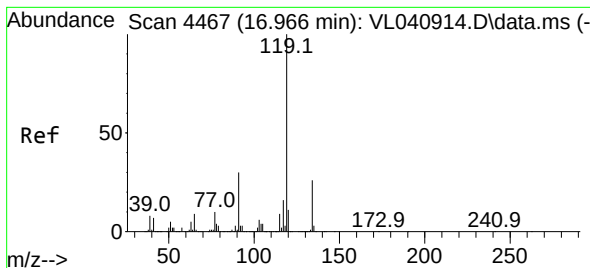
Tgt Ion:105 Resp: 7593962
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.138 ppbv
 RT: 13.748 min Scan# 3466
 Delta R.T. 0.000 min
 Lab File: VL040920.D
 Acq: 20 Dec 2023 14:57

Tgt Ion: 95 Resp: 2205081
 Ion Ratio Lower Upper
 95 100
 174 59.9 48.0 72.0
 175 4.5 3.7 5.5

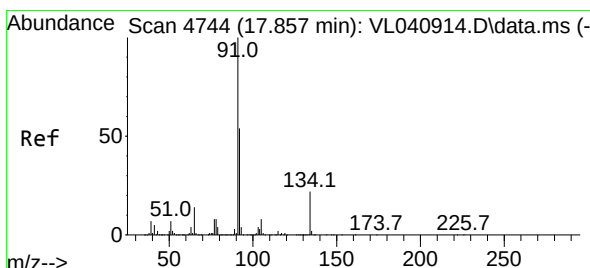
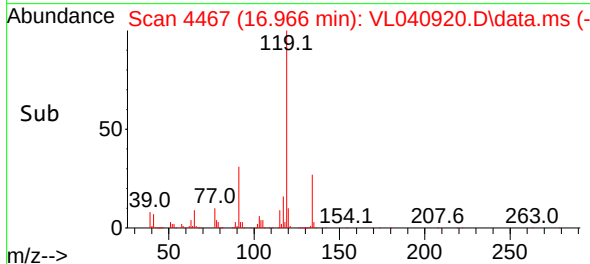
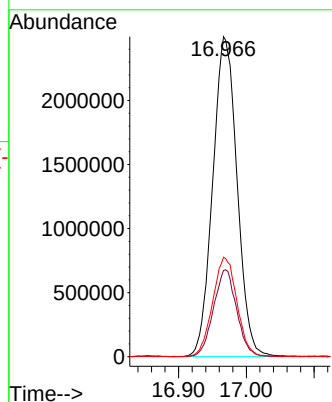
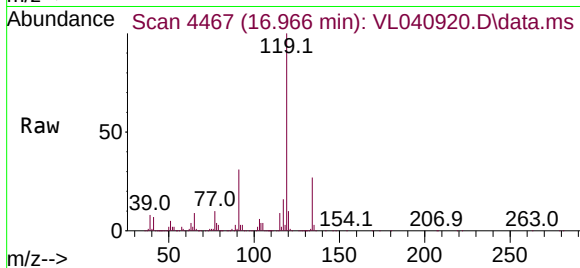




#69
p-Isopropyltoluene
Concen: 14.388 ppbv
RT: 16.966 min Scan# 4467
Delta R.T. 0.000 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

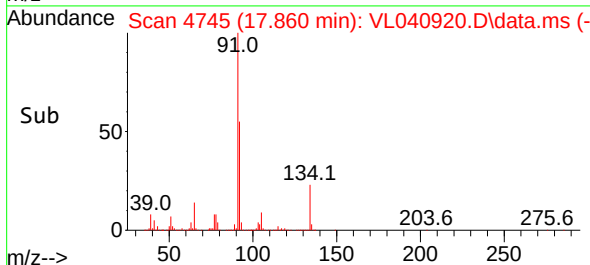
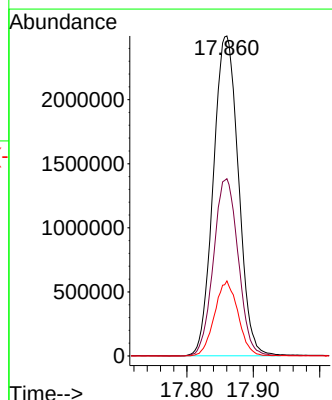
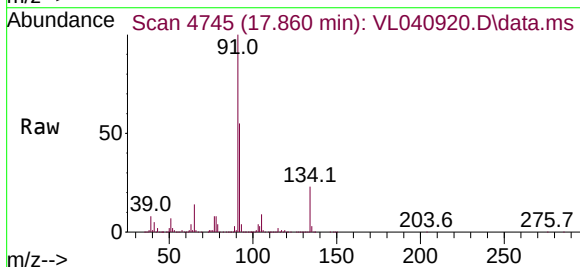
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

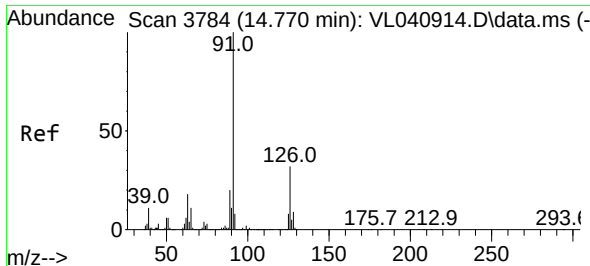
Tgt Ion:119 Resp: 6220758
Ion Ratio Lower Upper
119 100
134 25.9 20.3 30.5
91 31.0 24.1 36.1



#70
n-Butylbenzene
Concen: 14.619 ppbv
RT: 17.860 min Scan# 4745
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 91 Resp: 6567980
Ion Ratio Lower Upper
91 100
92 54.7 43.4 65.0
134 22.1 17.6 26.4

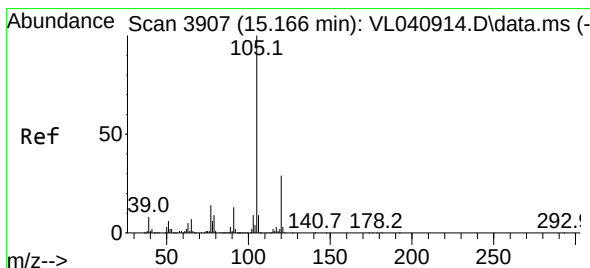
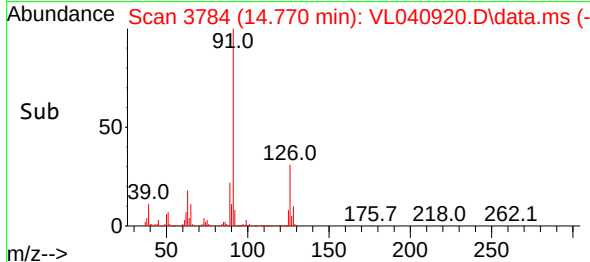
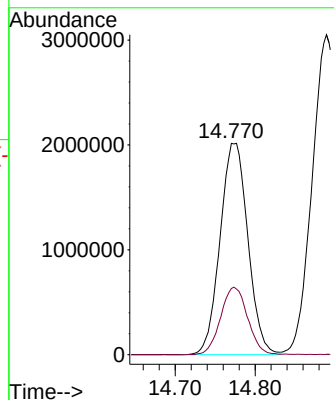
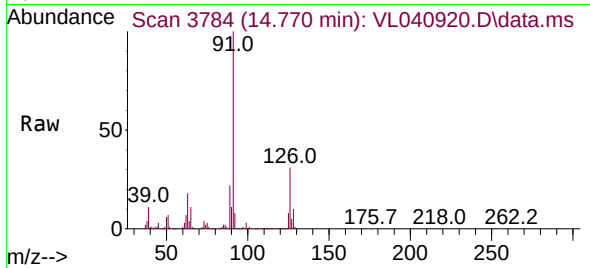




#71
2-Chlorotoluene
Concen: 14.034 ppbv
RT: 14.770 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

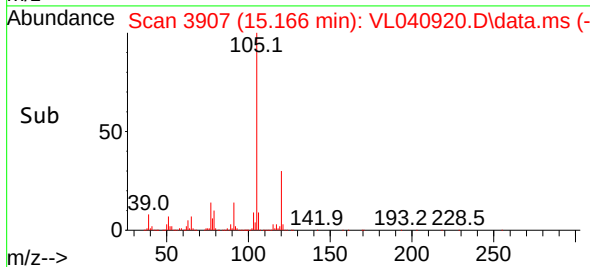
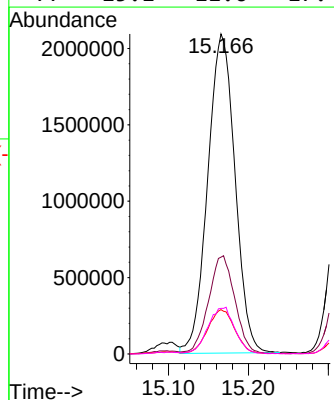
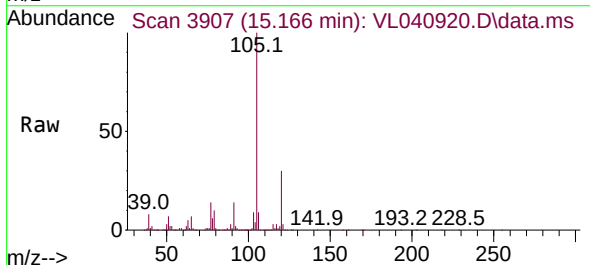
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

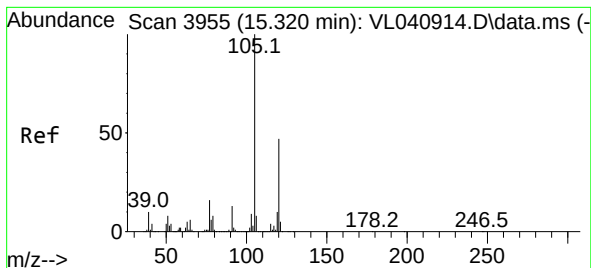
Tgt Ion: 91 Resp: 4870716
Ion Ratio Lower Upper
91 100
126 31.1 12.4 49.6



#72
4-Ethyltoluene
Concen: 14.823 ppbv
RT: 15.166 min Scan# 3907
Delta R.T. 0.000 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion: 105 Resp: 4945406
Ion Ratio Lower Upper
105 100
120 30.0 23.8 35.8
91 13.7 10.9 16.3
77 15.1 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 14.817 ppbv

RT: 15.323 min Scan# 3955

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

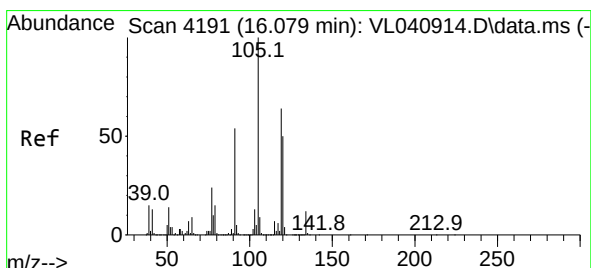
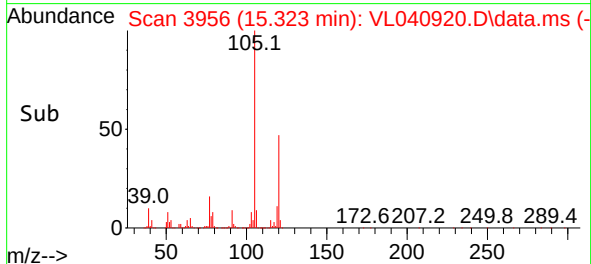
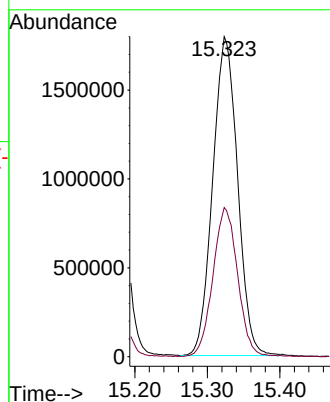
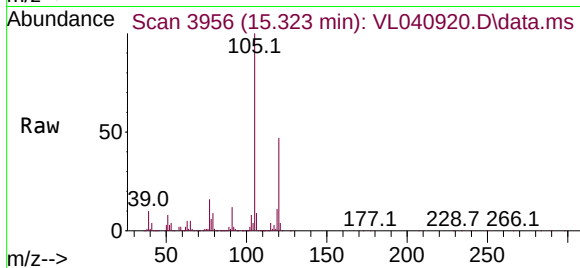
VSTDIC015

Tgt Ion:105 Resp: 4266586

Ion Ratio Lower Upper

105 100

120 46.7 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 14.520 ppbv

RT: 16.082 min Scan# 4192

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Tgt Ion:105 Resp: 4653000

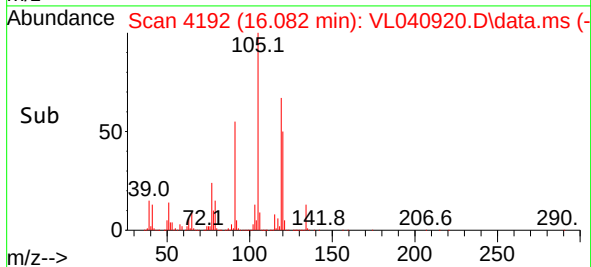
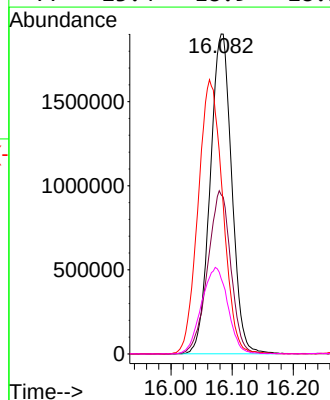
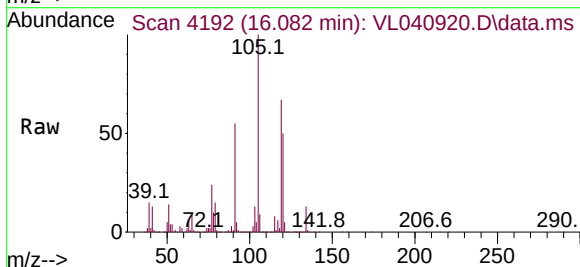
Ion Ratio Lower Upper

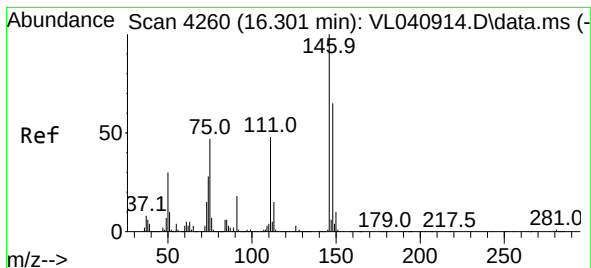
105 100

120 49.7 40.2 60.4

91 54.8 43.0 64.6

77 23.4 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 14.685 ppbv

RT: 16.304 min Scan# 4260

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

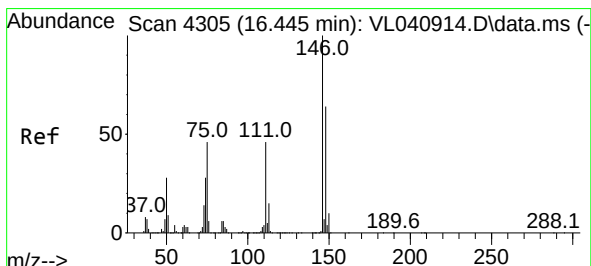
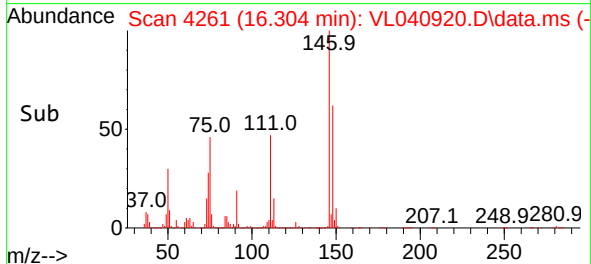
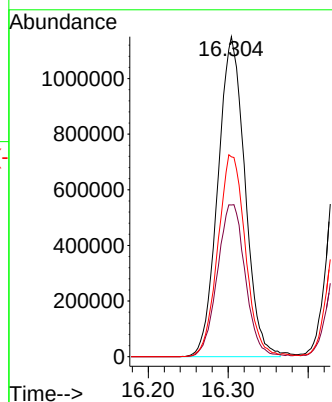
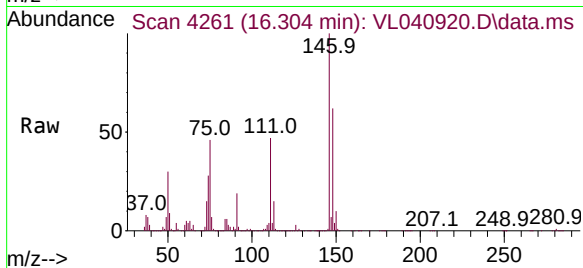
Tgt Ion:146 Resp: 2697078

Ion Ratio Lower Upper

146 100

111 49.1 24.7 74.1

148 64.4 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 14.699 ppbv

RT: 16.449 min Scan# 4306

Delta R.T. 0.003 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

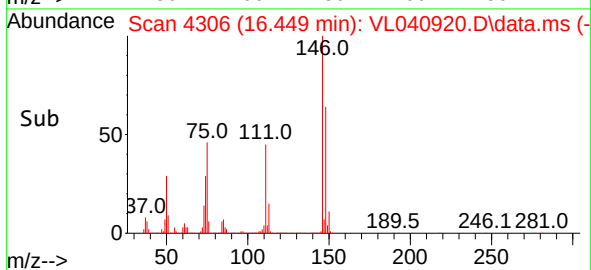
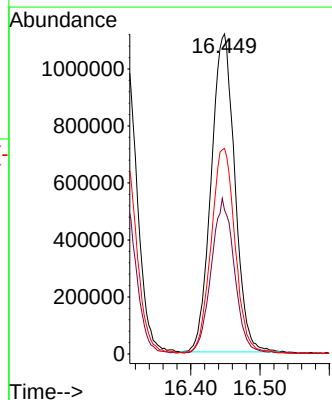
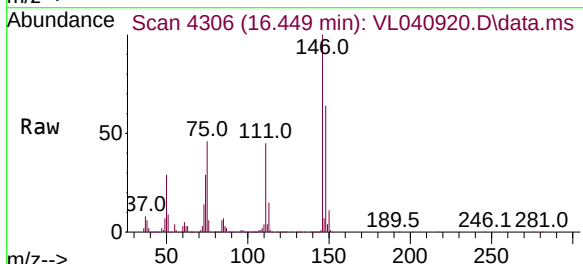
Tgt Ion:146 Resp: 2636120

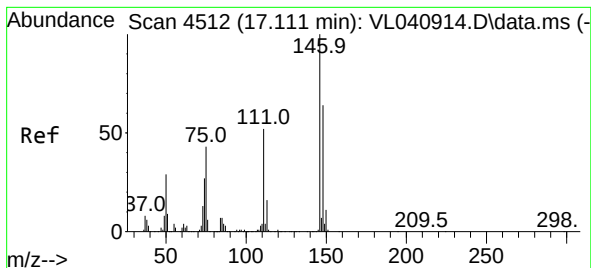
Ion Ratio Lower Upper

146 100

111 48.3 24.1 72.4

148 66.1 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 14.504 ppbv

RT: 17.117 min Scan# 4514

Delta R.T. 0.007 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

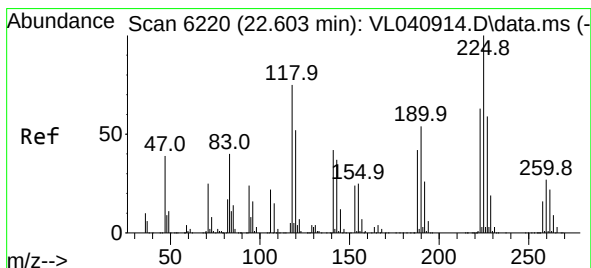
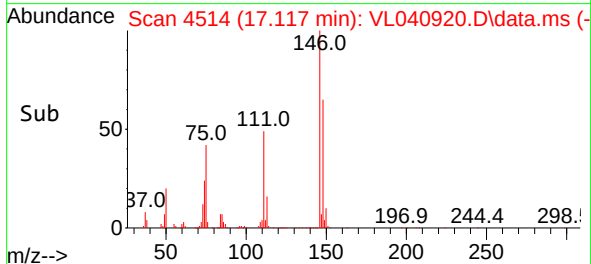
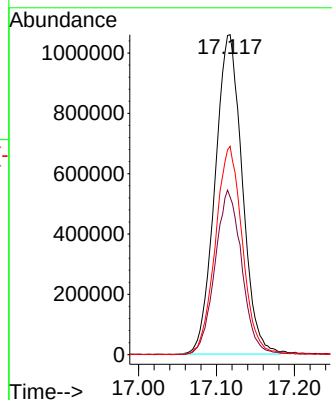
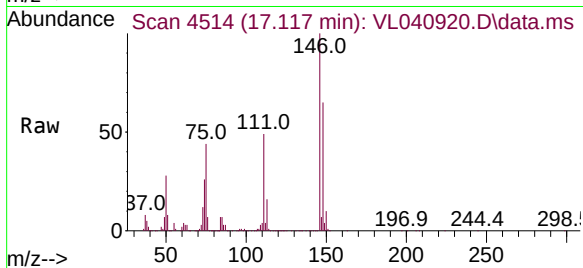
Tgt Ion:146 Resp: 2569528

Ion Ratio Lower Upper

146 100

111 51.2 25.5 76.5

148 64.6 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 12.673 ppbv

RT: 22.603 min Scan# 6220

Delta R.T. 0.000 min

Lab File: VL040920.D

Acq: 20 Dec 2023 14:57

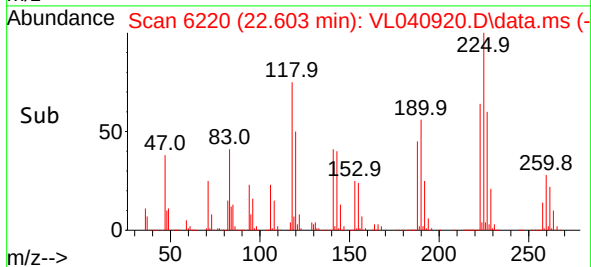
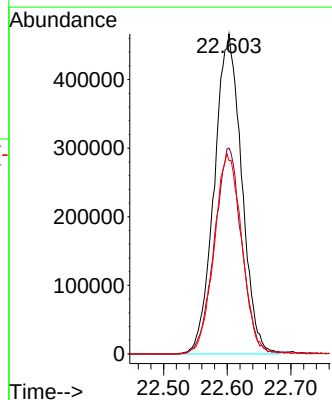
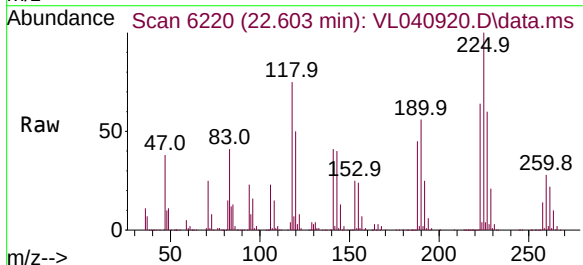
Tgt Ion:225 Resp: 1392969

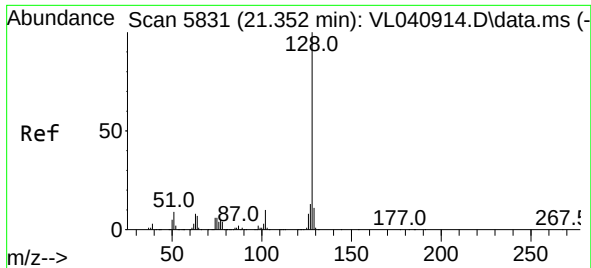
Ion Ratio Lower Upper

225 100

223 64.6 51.5 77.3

227 63.5 51.7 77.5

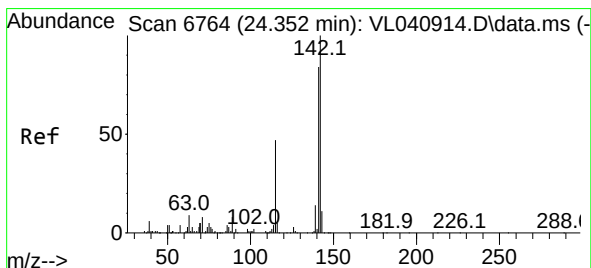
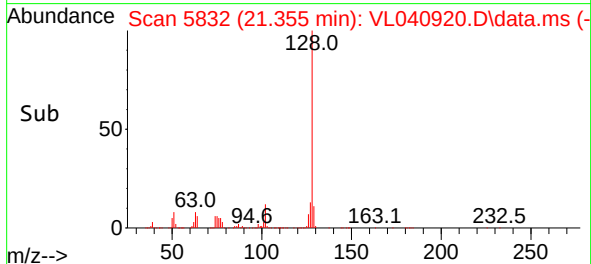
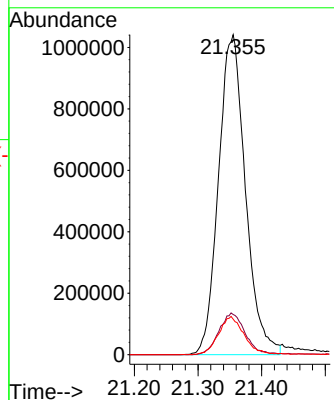
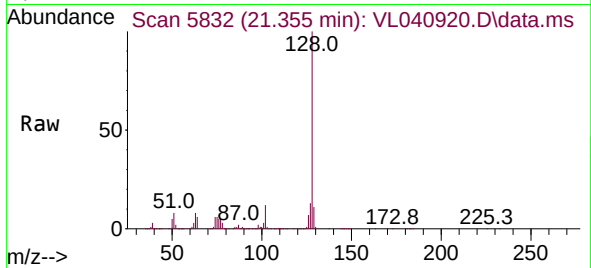




#79
Naphthalene
Concen: 20.423 ppbv
RT: 21.355 min Scan# 5831
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

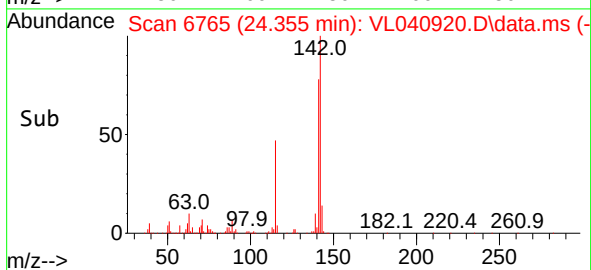
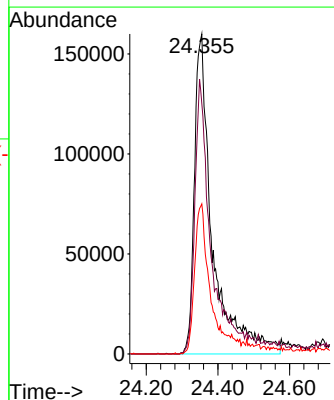
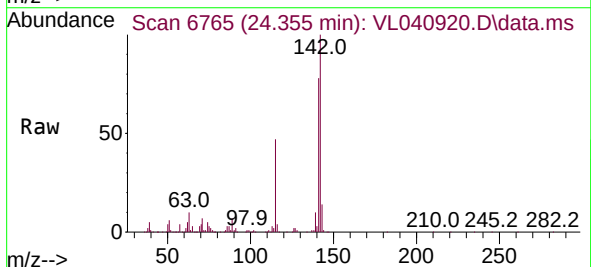
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

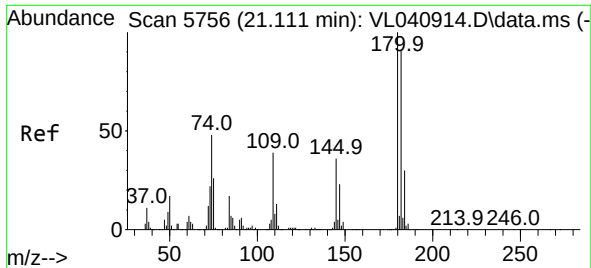
Tgt Ion:128 Resp: 3060954
Ion Ratio Lower Upper
128 100
127 12.6 10.6 15.8
129 11.1 8.7 13.1



#80
Naphthalene,2-methyl-
Concen: 21.476 ppbv
RT: 24.355 min Scan# 6765
Delta R.T. 0.003 min
Lab File: VL040920.D
Acq: 20 Dec 2023 14:57

Tgt Ion:142 Resp: 562673
Ion Ratio Lower Upper
142 100
141 83.1 68.5 102.7
115 45.0 34.5 51.7





#81

1,2,4-Trichlorobenzene

Concen: 17.186 ppbv

RT: 21.111 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL040920.D

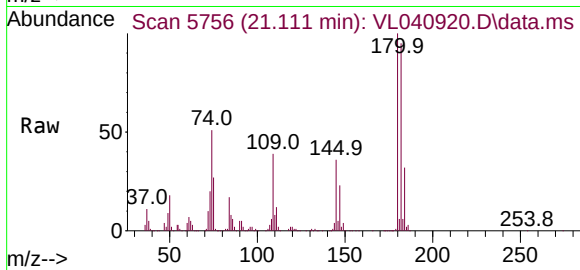
Acq: 20 Dec 2023 14:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 1543743

Ion Ratio Lower Upper

180 100

182 97.8 79.4 119.0

184 30.8 24.5 36.7

