

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112723\
 Data File : VL040911.D
 Acq On : 27 Nov 2023 17:18
 Operator : SY/MD
 Sample : VSTDCCC010EC
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 28 04:39:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Nov 28 04:31:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.227	49	1067902	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.680	114	2739026	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2613891	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1814104	8.864	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.780	85	2141482	9.892	ppbv	99
3) Chlorodifluoromethane	2.726	51	1673277	9.814	ppbv	99
4) Chloromethane	2.864	50	630161	10.278	ppbv	97
5) Vinyl Chloride	2.970	62	646696	10.605	ppbv	98
6) Bromomethane	3.166	94	238578	10.250	ppbv	97
7) Chloroethane	3.243	64	227923	10.795	ppbv	100
8) Dichlorotetrafluoroethane	2.906	85	1571469	10.053	ppbv	98
9) Propene	2.745	41	595226	10.359	ppbv	99
10) Heptane	7.603	43	1464182	10.358	ppbv	100
11) Trichlorofluoromethane	3.607	101	1628088	9.787	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.105	101	1169548	9.897	ppbv	99
13) Ethanol	3.285	45	114759	10.285	ppbv #	100
14) Bromoethene	3.411	108	490056	10.310	ppbv	98
15) Acetone	3.510	43	1156992	10.173	ppbv	99
16) 1,3-Butadiene	3.034	39	643222	11.179	ppbv	100
17) tert-Butyl alcohol	3.919	59	1031306	10.603	ppbv	99
18) 1,1-Dichloroethene	3.922	96	496864	9.433	ppbv	99
19) Isopropyl Alcohol	3.620	45	783873	11.452	ppbv #	99
20) Methylene Chloride	3.973	84	444356	9.467	ppbv	97
21) Allyl Chloride	4.037	41	756995	10.400	ppbv	98
22) trans-1,2-Dichloroethene	4.484	96	710539	11.886	ppbv	98
23) Vinyl Acetate	4.661	43	1713631	11.668	ppbv	99
24) 1,1-Dichloroethane	4.600	63	1434103	10.956	ppbv	99
25) Ethyl Acetate	5.237	43	2513151	10.672	ppbv	100
26) Hexane	5.246	57	1106283	10.614	ppbv	99
27) Carbon Disulfide	4.163	76	1392409	10.535	ppbv	99
28) Methyl tert-Butyl Ether	4.623	73	1062105	11.268	ppbv	100
29) Chloroform	5.308	83	1767685	10.007	ppbv	99
30) Cyclohexane	6.632	84	935311	10.431	ppbv	98
31) cis-1,2-Dichloroethene	5.111	61	1133977	10.995	ppbv	98
32) 1,1,1-Trichloroethane	6.034	97	1753527	10.640	ppbv	99
34) 2-Butanone	4.819	43	1583406	11.348	ppbv	99
35) Carbon Tetrachloride	6.523	117	1851532	11.018	ppbv	98
36) Benzene	6.401	78	2283864	10.274	ppbv	99
37) 1,2-Dichloroethane	5.838	62	1327250	10.123	ppbv	99
38) Trichloroethene	7.320	130	894549	10.353	ppbv	97
39) 1,2-Dichloropropane	7.098	63	898813	10.198	ppbv	96
40) 1,4-Dioxane	7.304	88	382967	10.950	ppbv #	92
41) Tetrahydrofuran	5.587	42	951357	11.074	ppbv	100
42) Bromodichloromethane	7.275	83	1962604	10.460	ppbv	97
43) Methyl Methacrylate	7.497	69	957372	11.302	ppbv	98
44) 2,2,4-Trimethylpentane	7.352	57	3804120	10.302	ppbv	99
45) t-1,3-Dichloropropene	8.729	75	651750	13.093	ppbv	99

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Quant Time: Nov 28 04:39:56 2023
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Nov 28 04:31:59 2023
 Response via : Initial Calibration

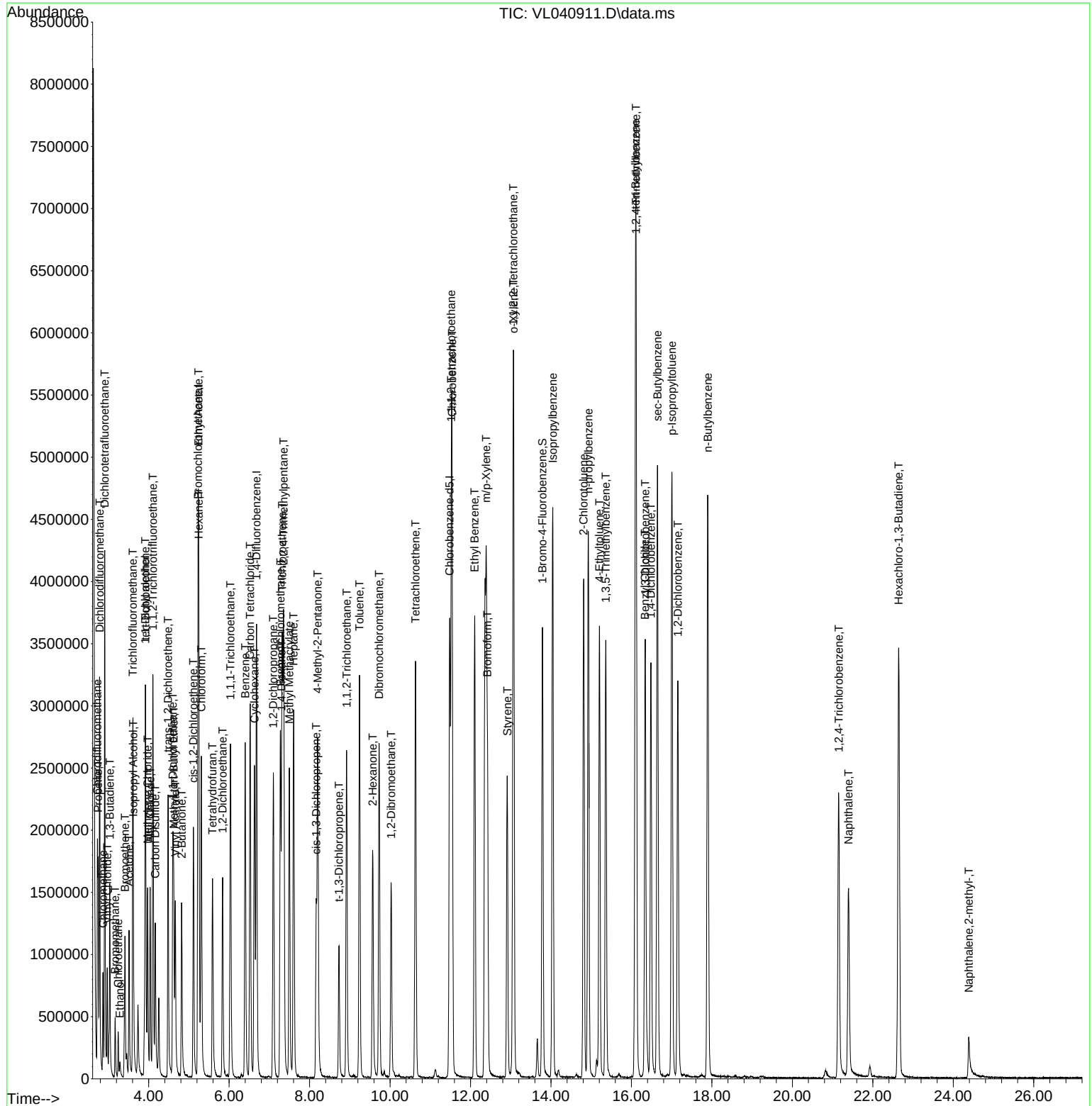
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.166	75	805274	12.476	ppbv	98
47) 1,1,2-Trichloroethane	8.922	97	950023	10.286	ppbv	97
48) Dibromochloromethane	9.729	129	1692656	11.045	ppbv	100
49) Bromoform	12.420	173	1315841	11.416	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	2364562	10.950	ppbv	100
51) 2-Hexanone	9.568	43	1734934	11.398	ppbv #	99
52) Tetrachloroethene	10.635	164	801838	10.711	ppbv	97
53) Toluene	9.240	91	2653239	10.846	ppbv	99
54) 1,2-Dibromoethane	10.028	107	1306279	10.990	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.523	131	1205316	10.774	ppbv	98
57) Chlorobenzene	11.542	112	2023727	10.445	ppbv	99
58) Ethyl Benzene	12.105	91	3540263	10.381	ppbv	98
59) m/p-Xylene	12.388	91	3244142	11.170	ppbv #	41
60) o-Xylene	13.073	91	2824279	10.215	ppbv	100
61) Styrene	12.915	104	1488455	11.164	ppbv	99
62) Isopropylbenzene	14.044	105	4177045	10.226	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.063	83	2004768	10.231	ppbv	100
64) n-propylbenzene	14.931	120	1089852	10.646	ppbv	98
65) tert-Butylbenzene	16.101	119	3630930	10.542	ppbv	98
66) Benzyl Chloride	16.336	91	137387	10.825	ppbv #	93
67) sec-Butylbenzene	16.648	105	5070987	10.307	ppbv	100
69) p-Isopropyltoluene	17.008	119	4119214	10.500	ppbv	99
70) n-Butylbenzene	17.899	91	4268114	10.303	ppbv	99
71) 2-Chlorotoluene	14.812	91	3189312	10.243	ppbv	97
72) 4-Ethyltoluene	15.204	105	3249006	10.690	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	2810901	10.458	ppbv	97
74) 1,2,4-Trimethylbenzene	16.117	105	3037884	10.128	ppbv	99
75) 1,3-Dichlorobenzene	16.342	146	1735161	10.476	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1721899	10.859	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1674364	10.397	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	950722	9.428	ppbv	98
79) Naphthalene	21.397	128	1995934	12.946	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	330986	12.162	ppbv	92
81) 1,2,4-Trichlorobenzene	21.153	180	1005332	10.726	ppbv	95

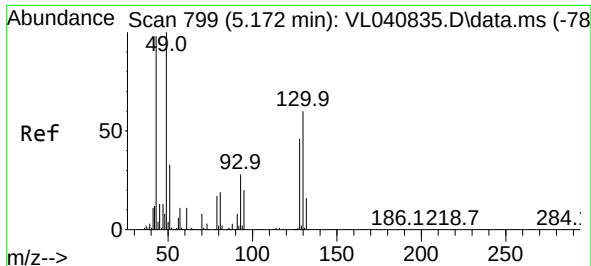
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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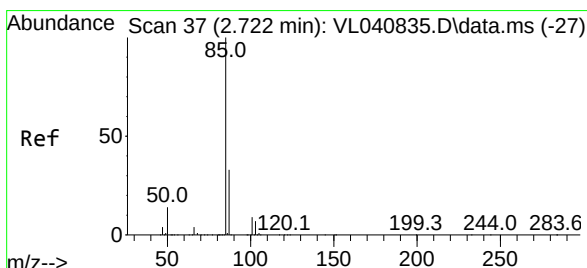
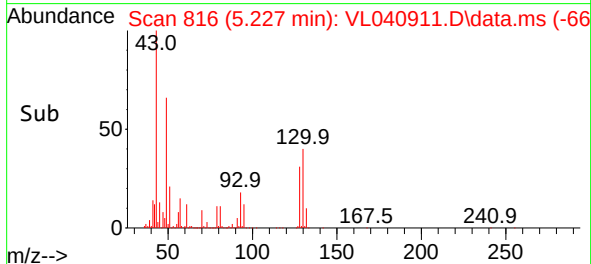
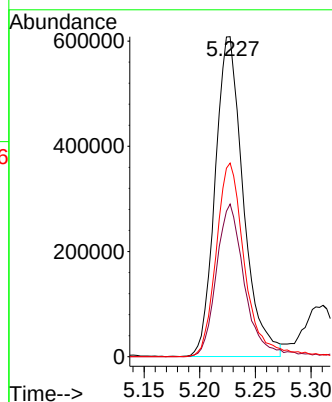
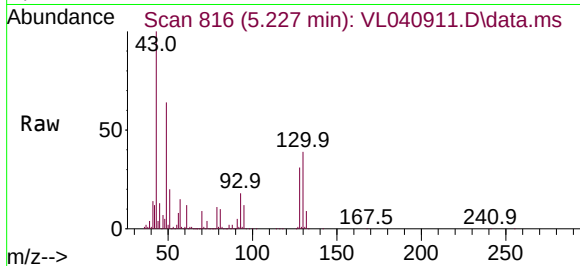




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

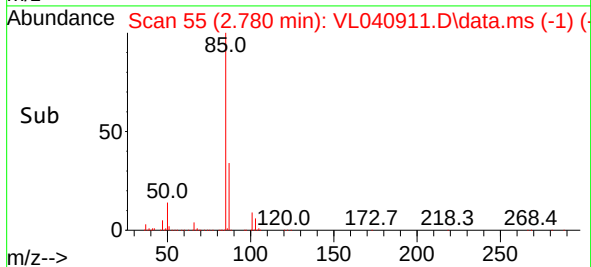
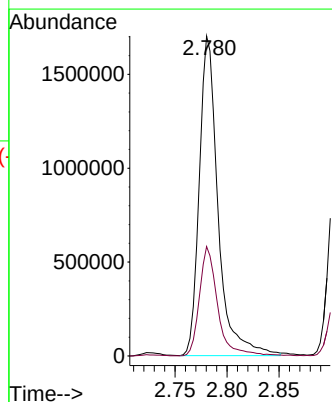
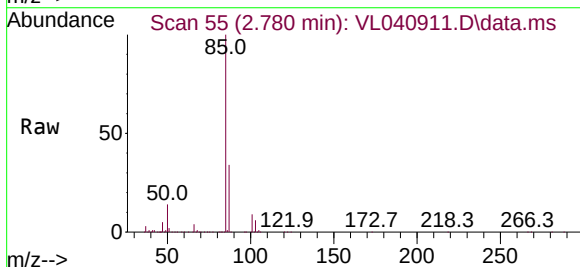
Instrument :
MSVOA_L
ClientSampleId :

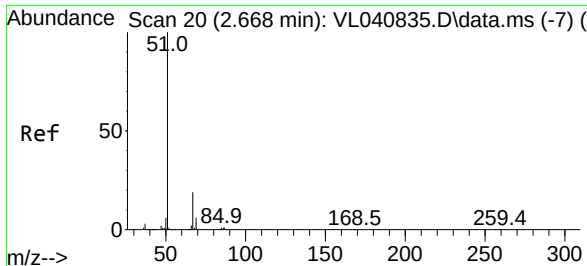
Tgt Ion: 49 Resp: 1067902
Ion Ratio Lower Upper
49 100
128 48.7 23.8 71.2
130 62.3 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 9.892 ppbv
RT: 2.780 min Scan# 55
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 85 Resp: 2141482
Ion Ratio Lower Upper
85 100
87 34.2 26.7 40.1

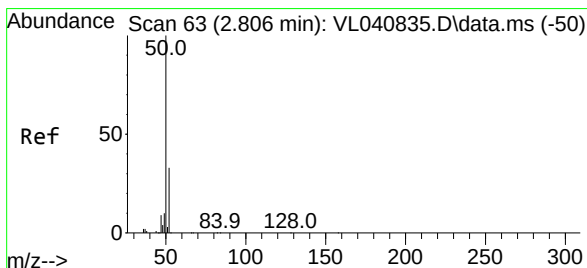
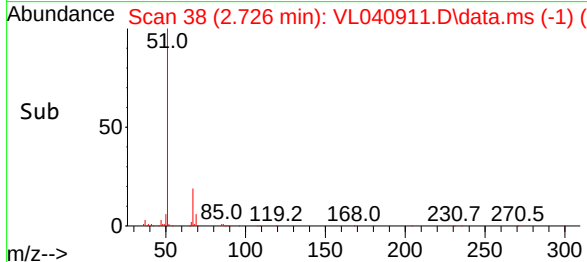
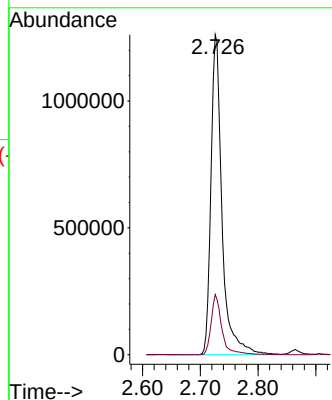
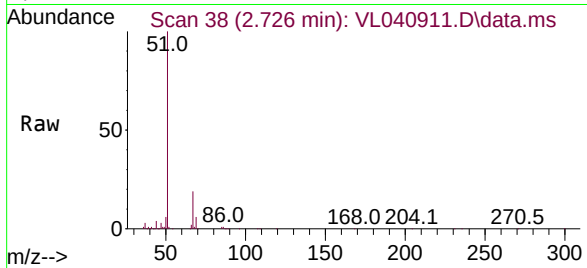




#3
Chlorodifluoromethane
Concen: 9.814 ppbv
RT: 2.726 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

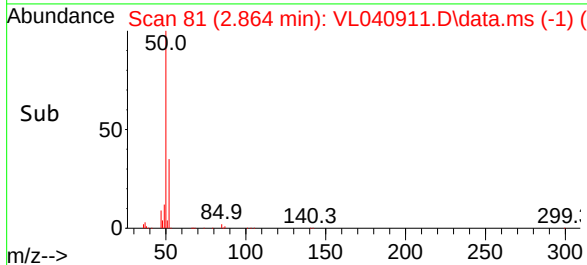
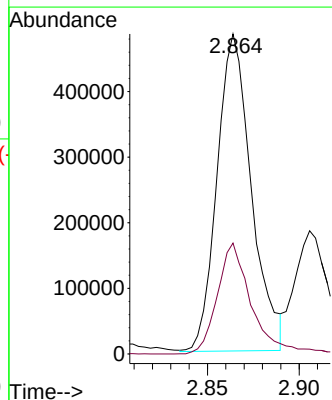
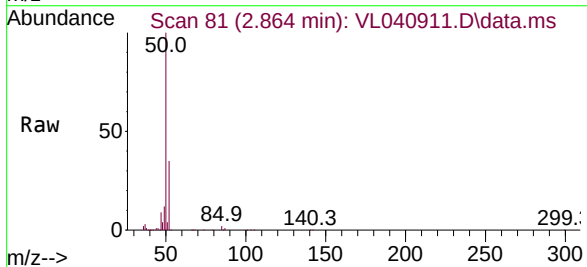
Instrument :
MSVOA_L
ClientSampleId :

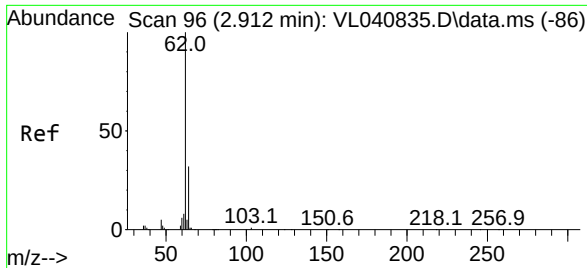
Tgt Ion: 51 Resp: 1673277
Ion Ratio Lower Upper
51 100
67 18.3 15.0 22.4



#4
Chloromethane
Concen: 10.278 ppbv
RT: 2.864 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 50 Resp: 630161
Ion Ratio Lower Upper
50 100
52 35.0 26.5 39.7

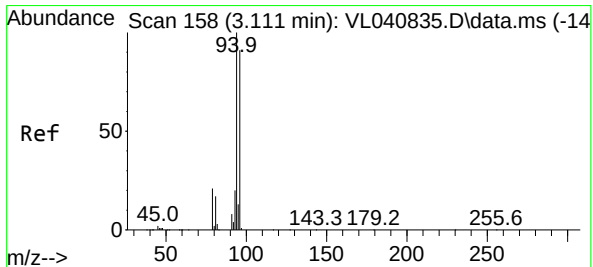
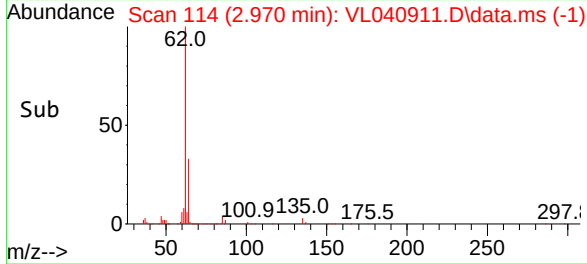
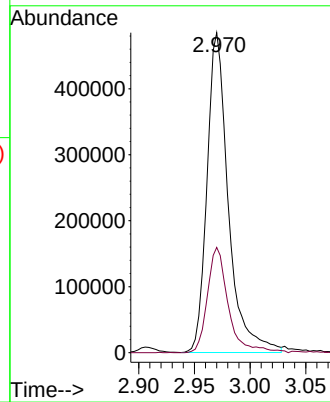
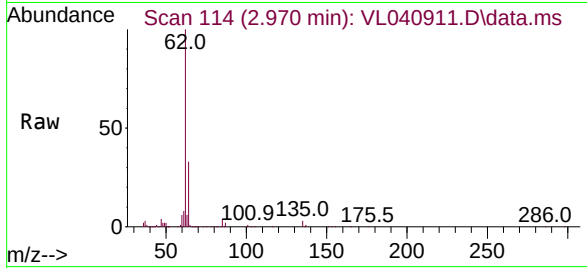




#5
 Vinyl Chloride
 Concen: 10.605 ppbv
 RT: 2.970 min Scan# 114
 Delta R.T. -0.003 min
 Lab File: VL040911.D
 Acq: 27 Nov 2023 17:18

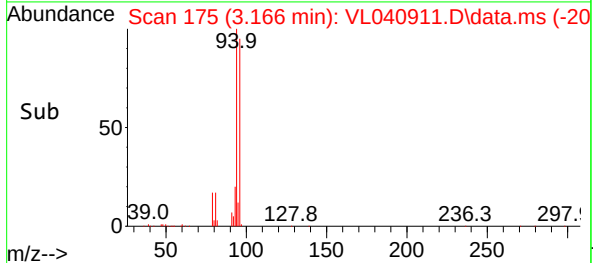
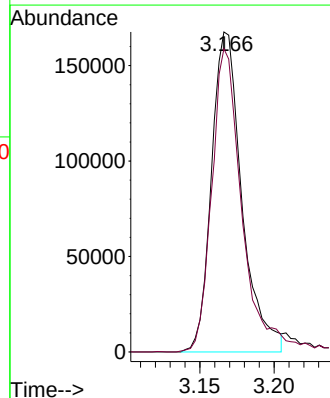
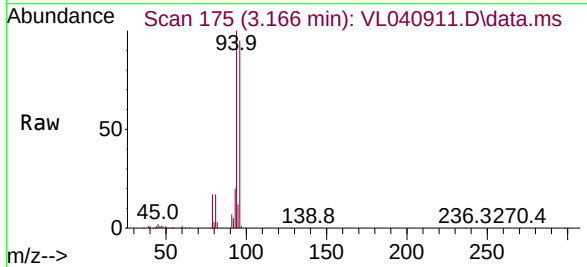
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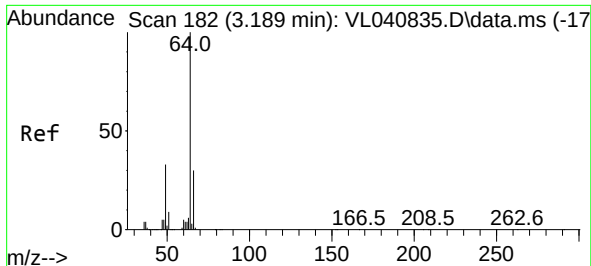
Tgt Ion: 62 Resp: 646696
 Ion Ratio Lower Upper
 62 100
 64 32.9 25.4 38.2



#6
 Bromomethane
 Concen: 10.250 ppbv
 RT: 3.166 min Scan# 175
 Delta R.T. -0.003 min
 Lab File: VL040911.D
 Acq: 27 Nov 2023 17:18

Tgt Ion: 94 Resp: 238578
 Ion Ratio Lower Upper
 94 100
 96 94.4 73.0 109.4

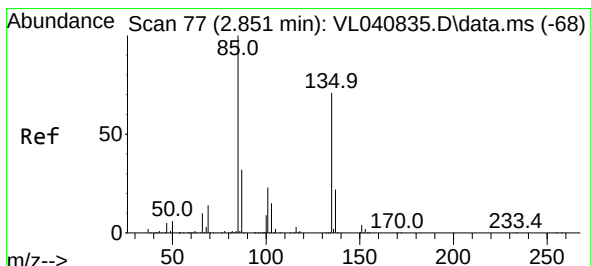
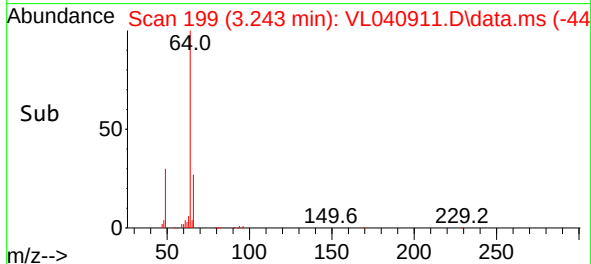
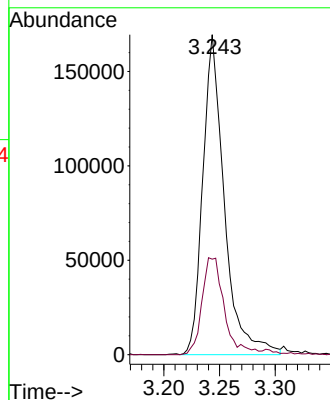
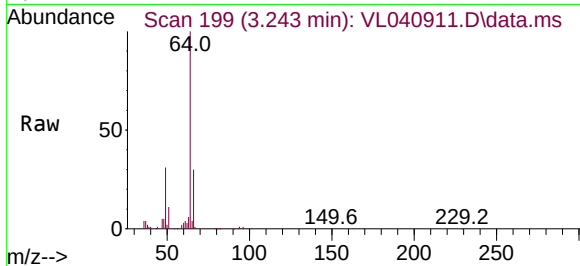




#7
Chloroethane
Concen: 10.795 ppbv
RT: 3.243 min Scan# 199
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

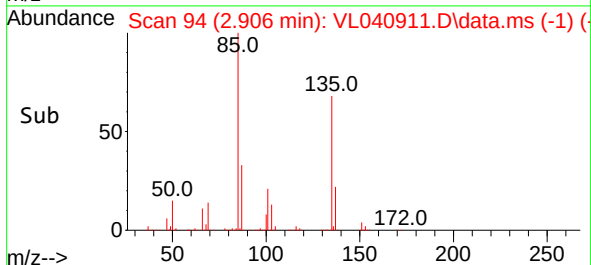
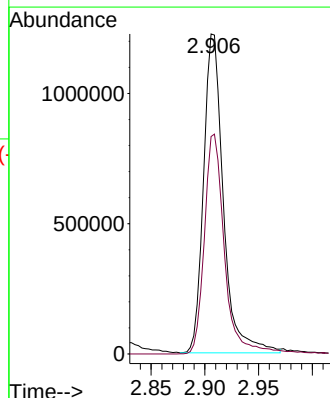
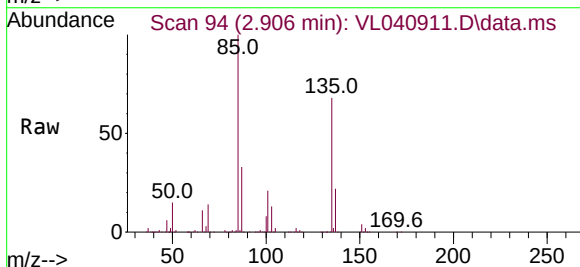
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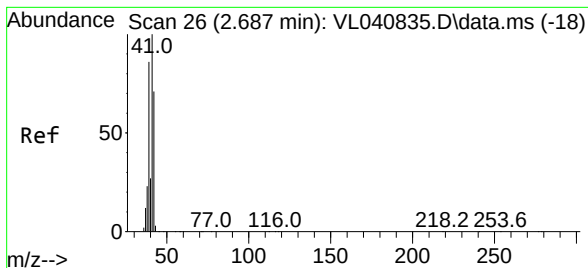
Tgt Ion: 64 Resp: 227923
Ion Ratio Lower Upper
64 100
66 29.9 23.8 35.6



#8
Dichlorotetrafluoroethane
Concen: 10.053 ppbv
RT: 2.906 min Scan# 94
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 85 Resp: 1571469
Ion Ratio Lower Upper
85 100
135 70.7 55.3 82.9





#9

Propene

Concen: 10.359 ppbv

RT: 2.745 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

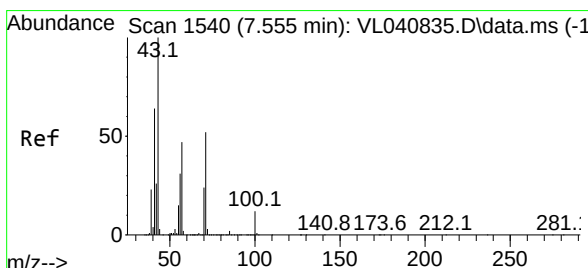
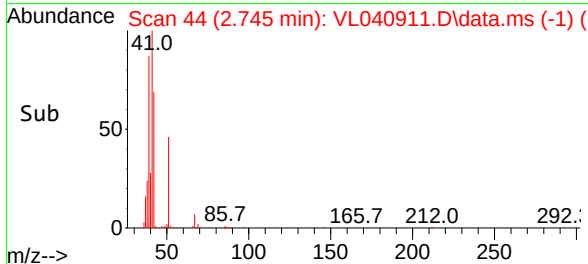
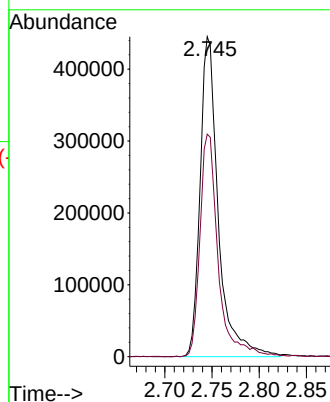
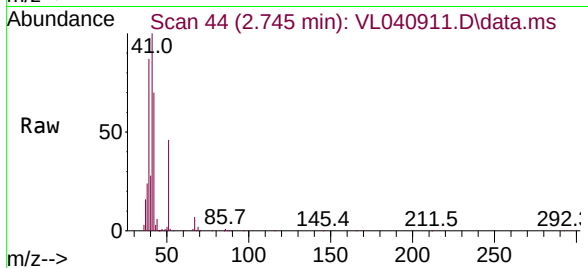
ClientSampleId :

Tgt Ion: 41 Resp: 595226

Ion Ratio Lower Upper

41 100

42 69.9 56.5 84.7



#10

Heptane

Concen: 10.358 ppbv

RT: 7.603 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VL040911.D

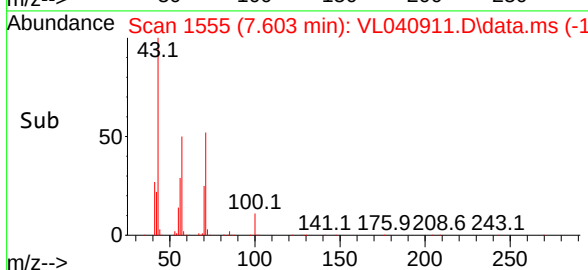
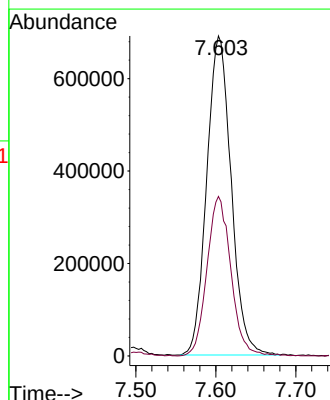
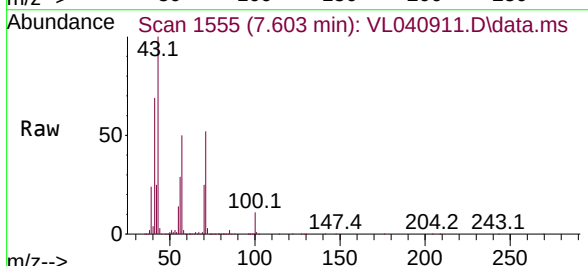
Acq: 27 Nov 2023 17:18

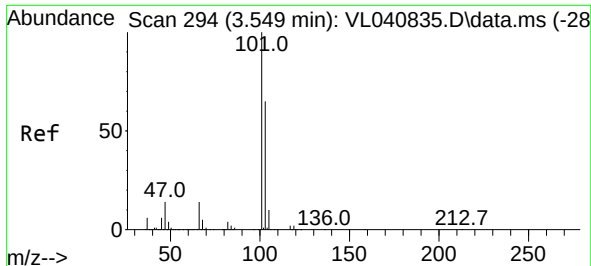
Tgt Ion: 43 Resp: 1464182

Ion Ratio Lower Upper

43 100

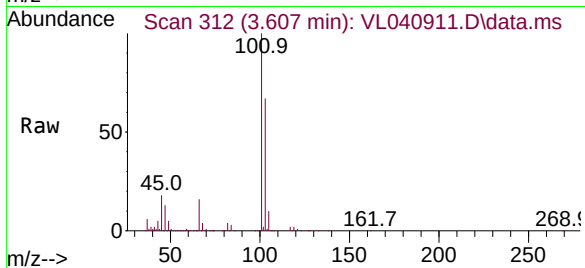
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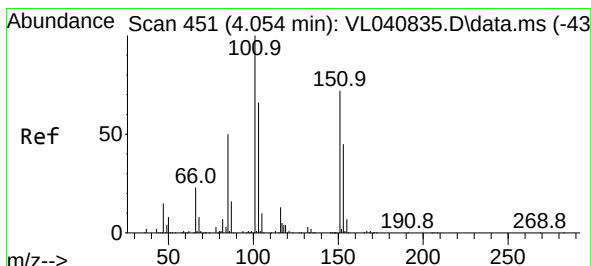
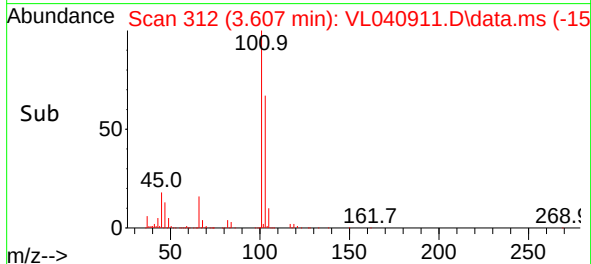
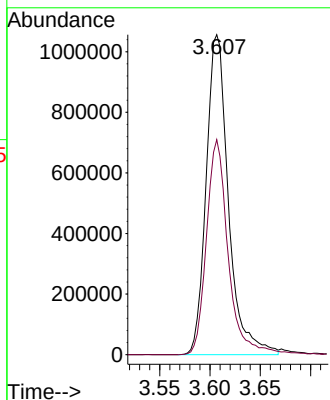


#11
Trichlorofluoromethane
Concen: 9.787 ppbv
RT: 3.607 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Instrument :
MSVOA_L
ClientSampleId :

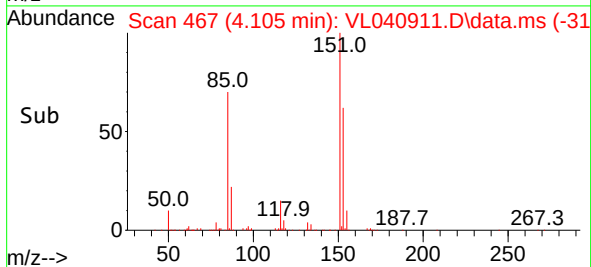
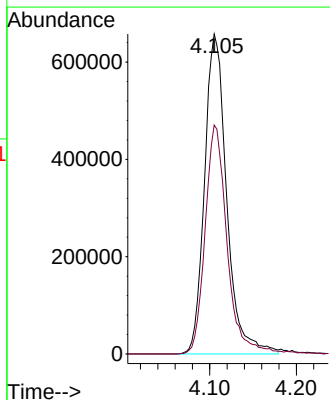
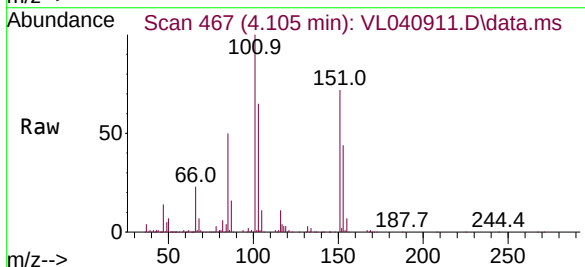


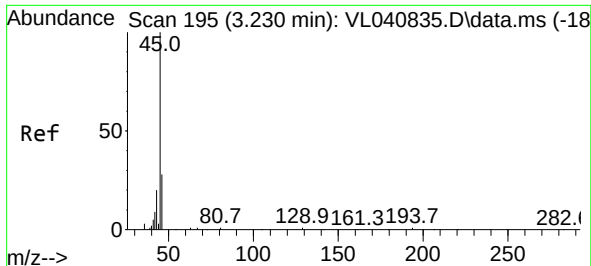
Tgt Ion:101 Resp: 1628088
Ion Ratio Lower Upper
101 100
103 67.2 51.8 77.8



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.897 ppbv
RT: 4.105 min Scan# 467
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion:101 Resp: 1169548
Ion Ratio Lower Upper
101 100
151 71.3 57.8 86.6

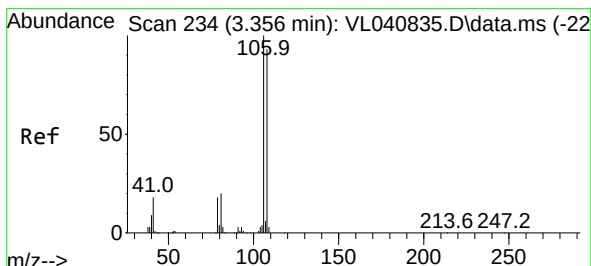
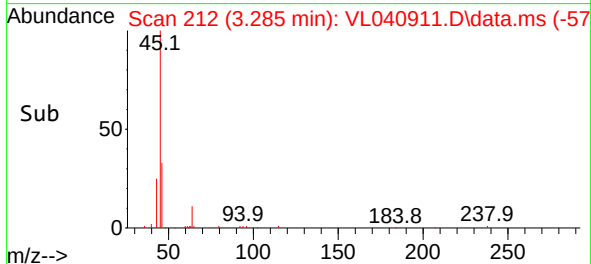
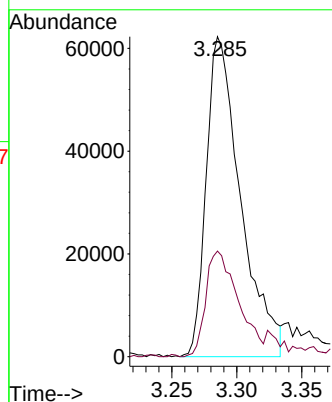
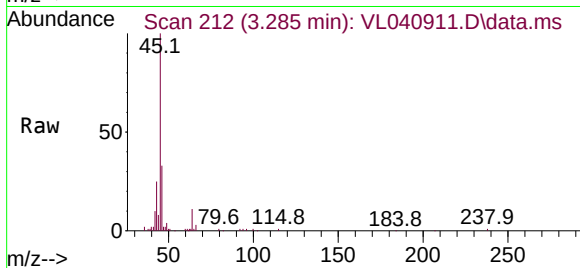




#13
Ethanol
Concen: 10.285 ppbv
RT: 3.285 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

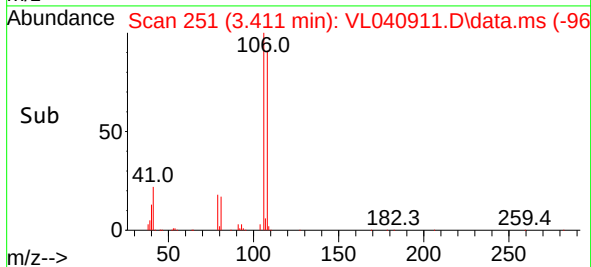
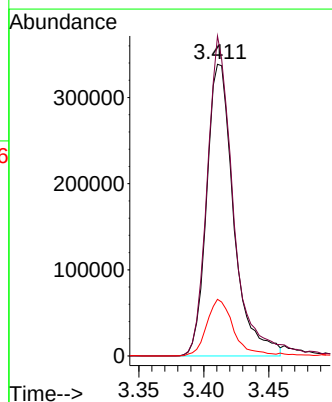
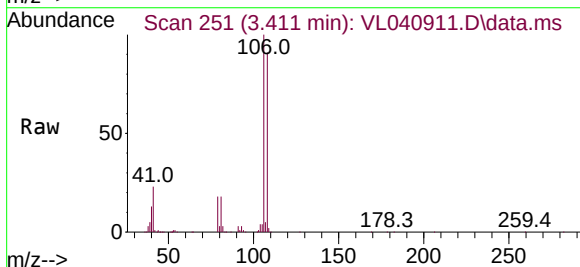
Instrument :
MSVOA_L
ClientSampleId :

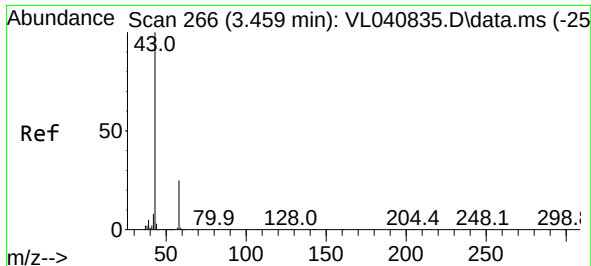
Tgt Ion: 45 Resp: 114759
Ion Ratio Lower Upper
45 100
46 38.2 0.0 0.0#



#14
Bromoethene
Concen: 10.310 ppbv
RT: 3.411 min Scan# 251
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion:108 Resp: 490056
Ion Ratio Lower Upper
108 100
106 108.8 85.4 128.2
79 19.8 16.7 25.1

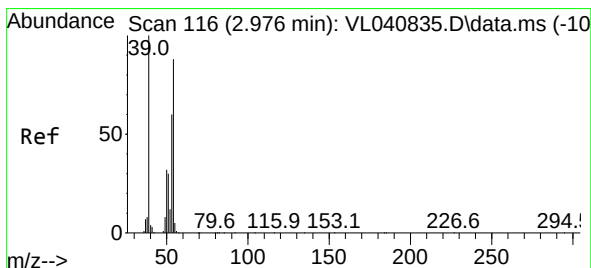
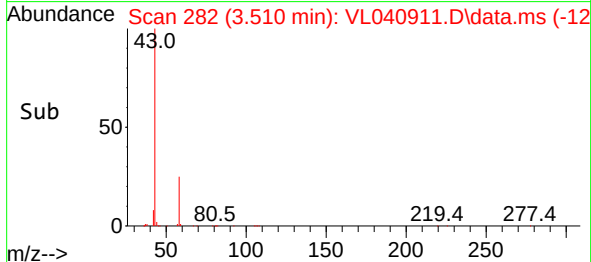
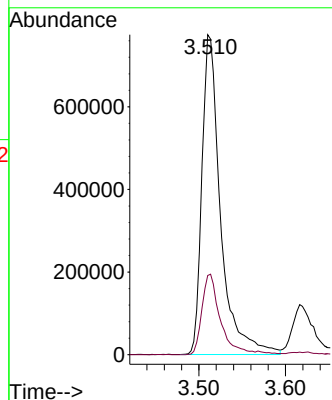
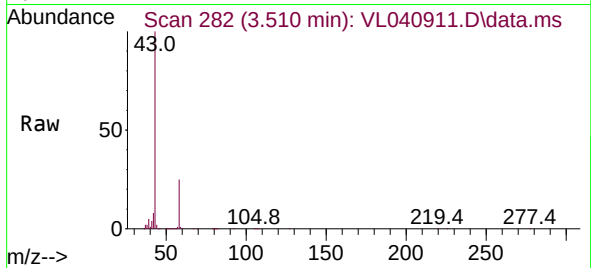




#15
Acetone
Concen: 10.173 ppbv
RT: 3.510 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

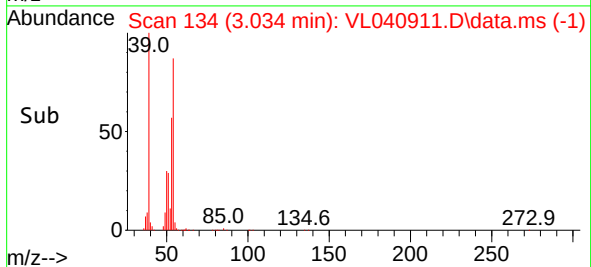
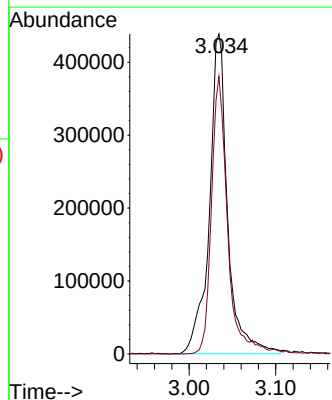
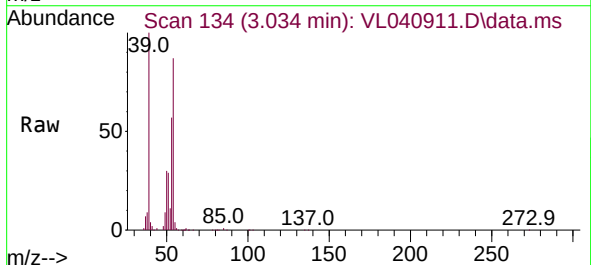
Instrument :
MSVOA_L
ClientSampleId :

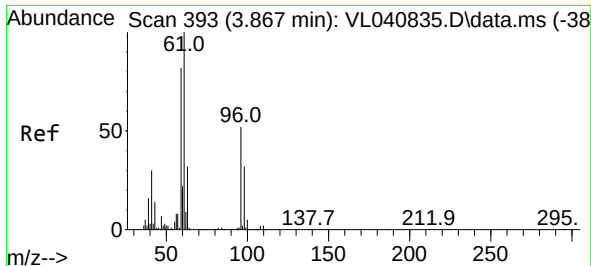
Tgt Ion: 43 Resp: 1156992
Ion Ratio Lower Upper
43 100
58 25.4 20.9 31.3



#16
1,3-Butadiene
Concen: 11.179 ppbv
RT: 3.034 min Scan# 134
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 39 Resp: 643222
Ion Ratio Lower Upper
39 100
54 77.2 61.8 92.6





#17

tert-Butyl alcohol

Concen: 10.603 ppbv

RT: 3.919 min Scan# 410

Delta R.T. -0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

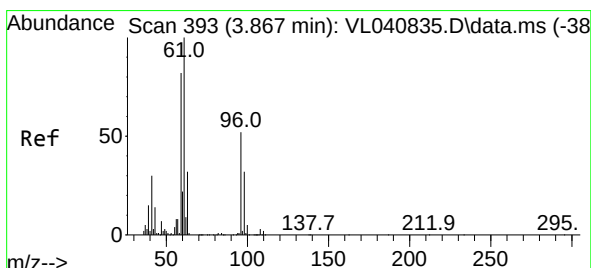
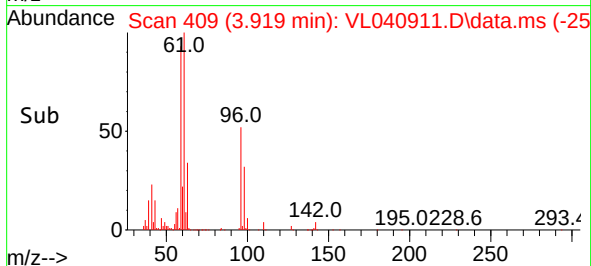
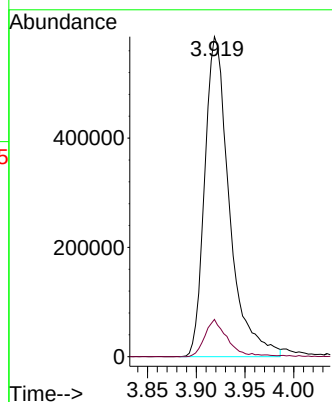
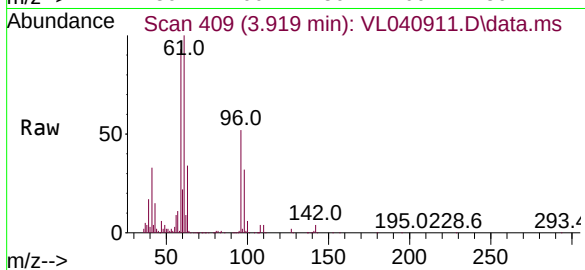
ClientSampleId :

Tgt Ion: 59 Resp: 1031306

Ion Ratio Lower Upper

59 100

57 11.0 9.0 13.4



#18

1,1-Dichloroethene

Concen: 9.433 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

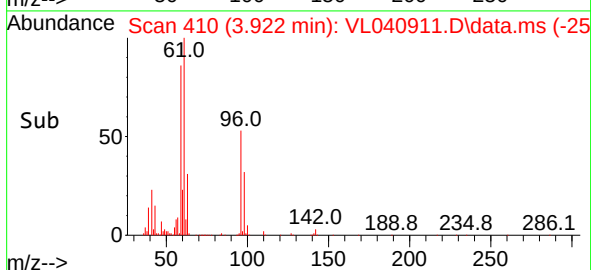
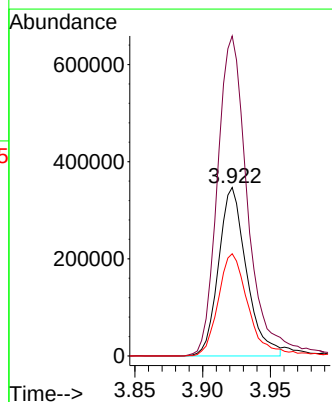
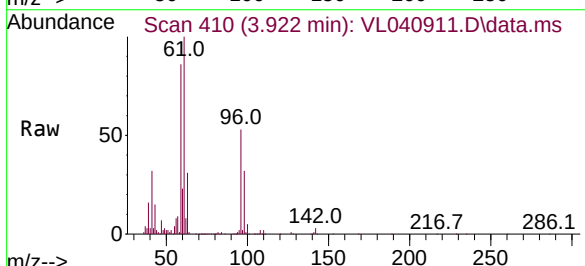
Tgt Ion: 96 Resp: 496864

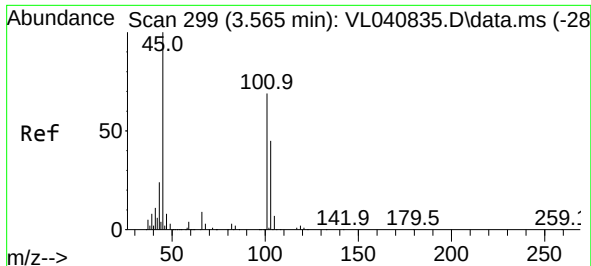
Ion Ratio Lower Upper

96 100

61 189.9 152.6 228.8

98 60.7 49.2 73.8





#19

Isopropyl Alcohol

Concen: 11.452 ppbv

RT: 3.620 min Scan# 316

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

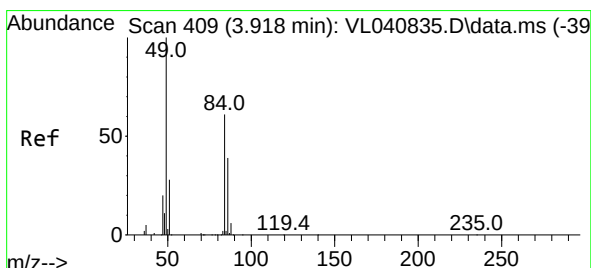
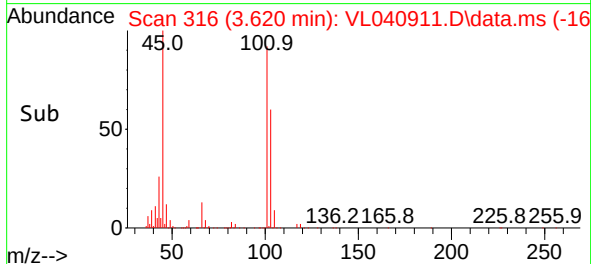
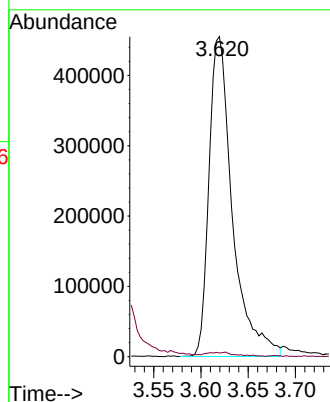
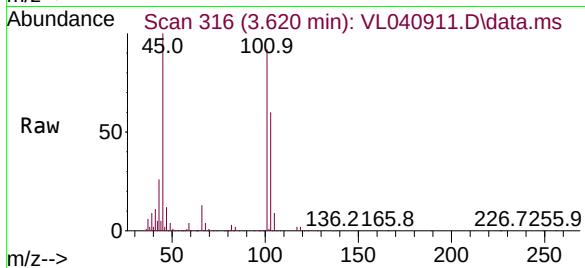
ClientSampleId :

Tgt Ion: 45 Resp: 783873

Ion Ratio Lower Upper

45 100

58 1.5 1.6 2.4#



#20

Methylene Chloride

Concen: 9.467 ppbv

RT: 3.973 min Scan# 426

Delta R.T. -0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Tgt Ion: 84 Resp: 444356

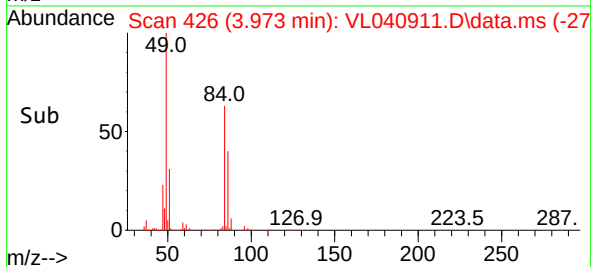
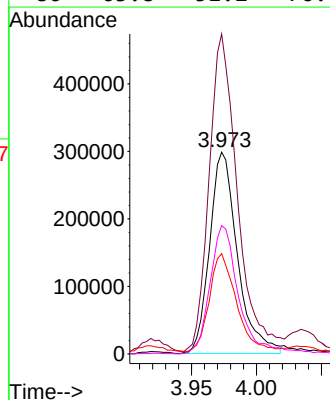
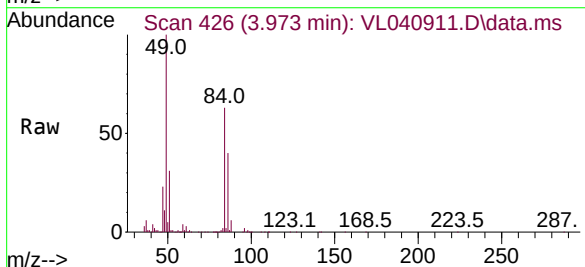
Ion Ratio Lower Upper

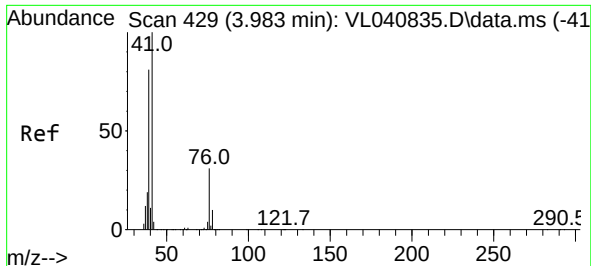
84 100

49 157.5 131.0 196.4

51 48.5 36.9 55.3

86 63.8 51.2 76.8

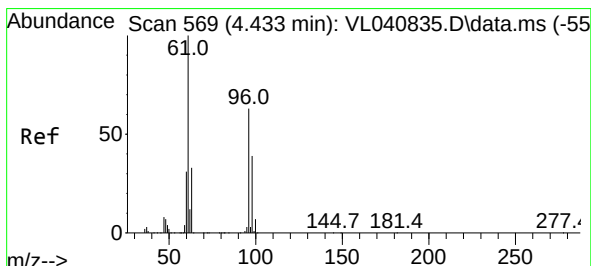
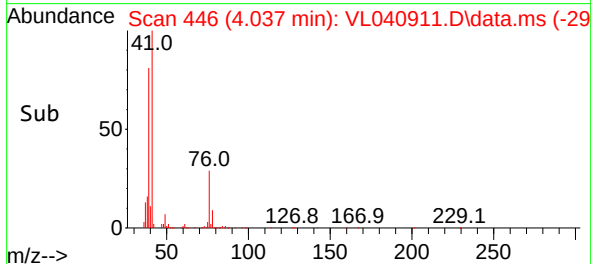
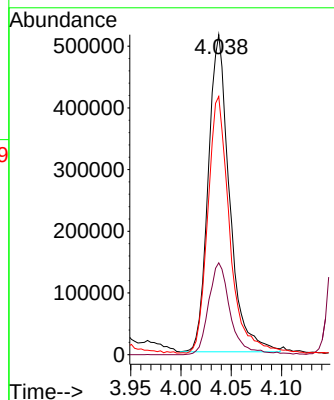
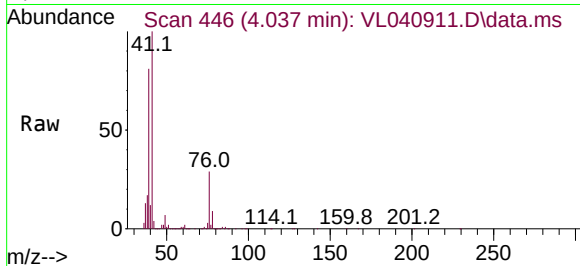




#21
 Allyl Chloride
 Concen: 10.400 ppbv
 RT: 4.037 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040911.D
 Acq: 27 Nov 2023 17:18

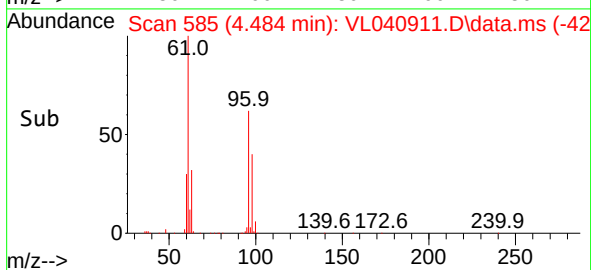
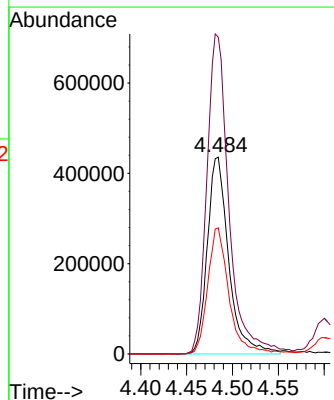
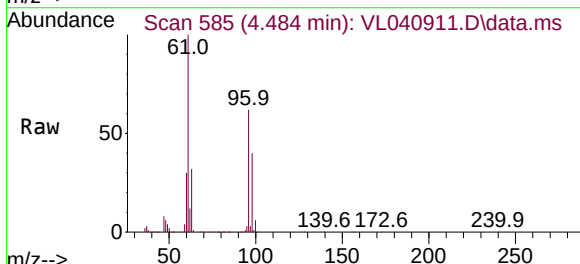
Instrument :
 MSVOA_1
 ClientSampleId :

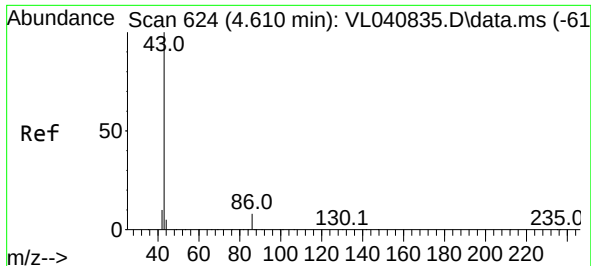
Tgt Ion: 41 Resp: 756995
 Ion Ratio Lower Upper
 41 100
 76 29.7 24.4 36.6
 39 83.6 68.1 102.1



#22
 trans-1,2-Dichloroethene
 Concen: 11.886 ppbv
 RT: 4.484 min Scan# 585
 Delta R.T. 0.000 min
 Lab File: VL040911.D
 Acq: 27 Nov 2023 17:18

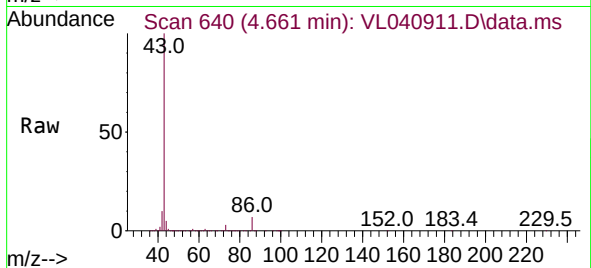
Tgt Ion: 96 Resp: 710539
 Ion Ratio Lower Upper
 96 100
 61 161.0 126.8 190.2
 98 64.1 49.9 74.9





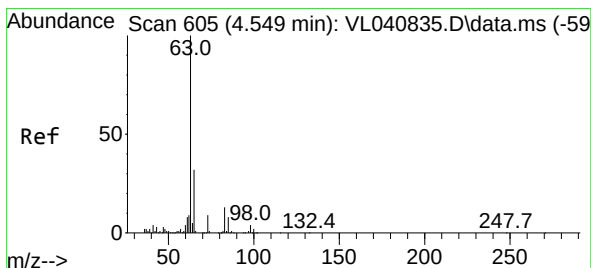
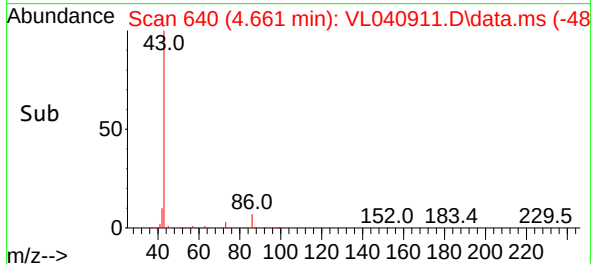
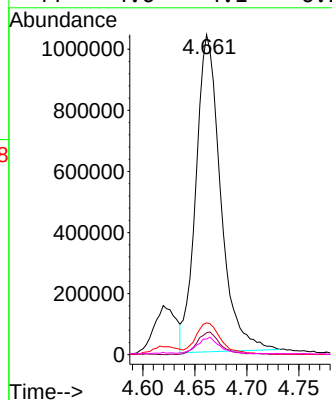
#23
 Vinyl Acetate
 Concen: 11.668 ppbv
 RT: 4.661 min Scan# 640
 Delta R.T. -0.003 min
 Lab File: VL040911.D
 Acq: 27 Nov 2023 17:18

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 1713631

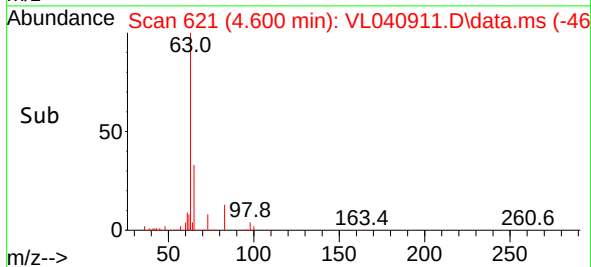
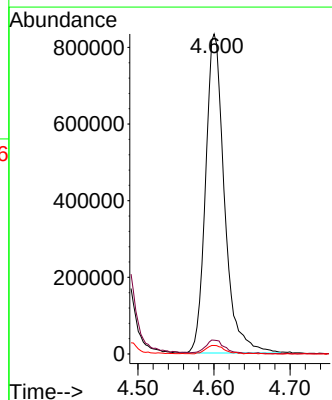
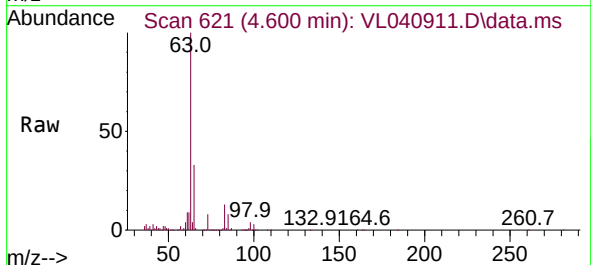
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.5	8.3
42	9.9	8.2	12.2
44	4.6	4.1	6.1

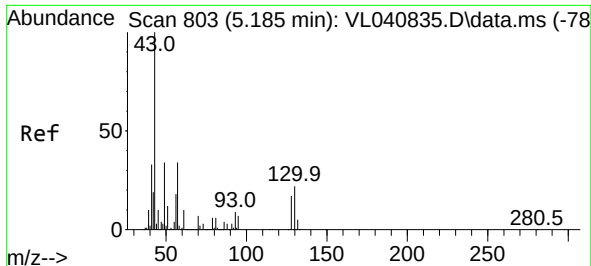


#24
 1,1-Dichloroethane
 Concen: 10.956 ppbv
 RT: 4.600 min Scan# 621
 Delta R.T. -0.003 min
 Lab File: VL040911.D
 Acq: 27 Nov 2023 17:18

Tgt Ion: 63 Resp: 1434103

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.2	6.6
100	2.6	1.0	3.0





#25

Ethyl Acetate

Concen: 10.672 ppbv

RT: 5.237 min Scan# 811

Delta R.T. 0.000 min

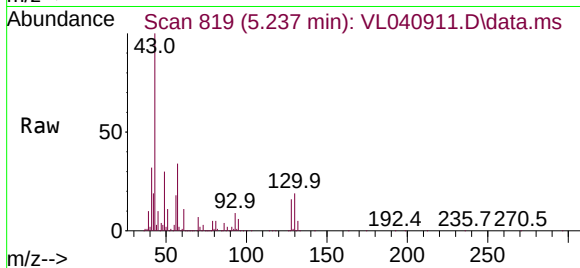
Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 2513151

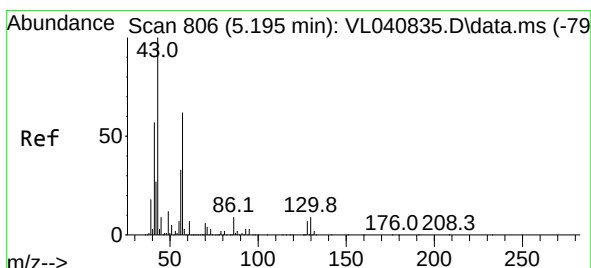
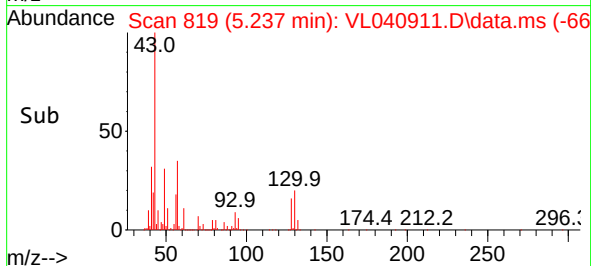
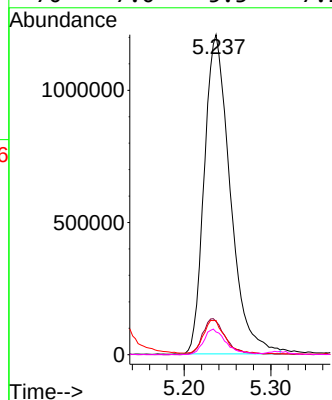
Ion Ratio Lower Upper

43 100

45 10.2 8.1 12.1

61 9.7 7.8 11.6

70 7.0 5.3 7.9



#26

Hexane

Concen: 10.614 ppbv

RT: 5.246 min Scan# 822

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Tgt Ion: 57 Resp: 1106283

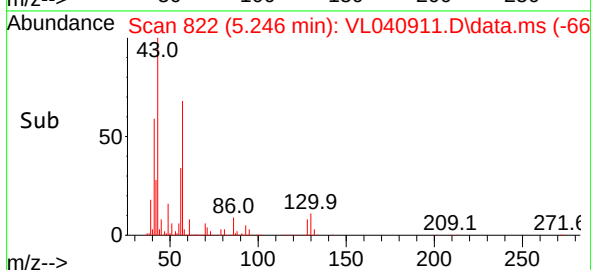
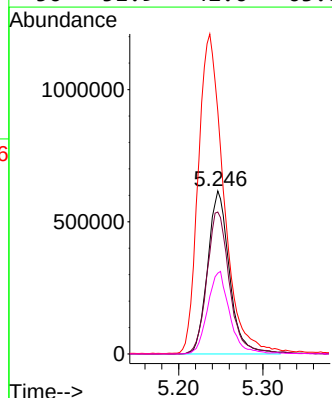
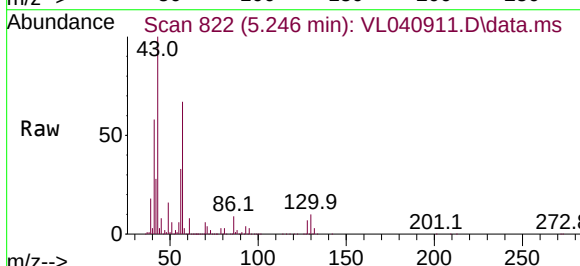
Ion Ratio Lower Upper

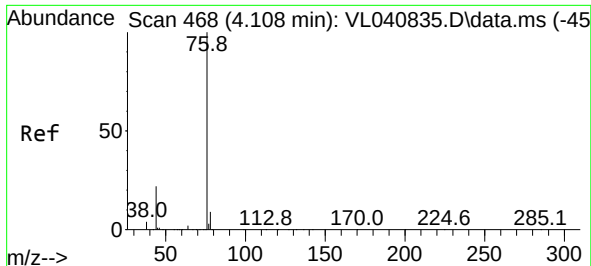
57 100

41 91.9 75.4 113.0

43 231.6 185.9 278.9

56 51.9 42.6 63.8

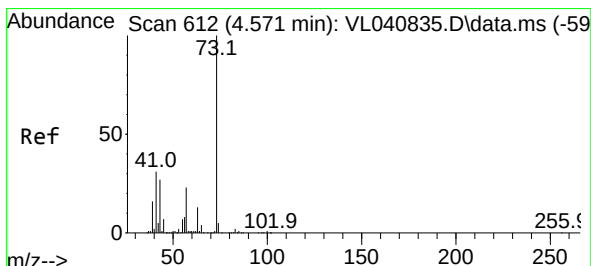
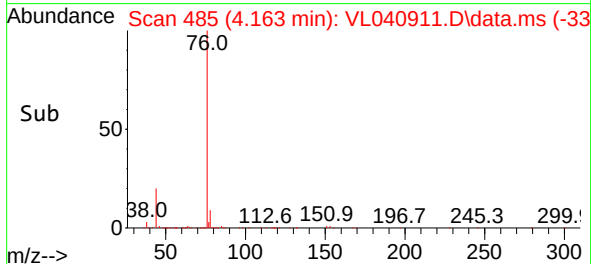
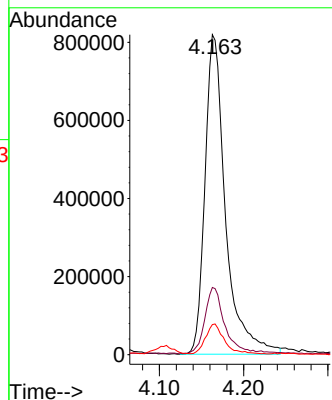
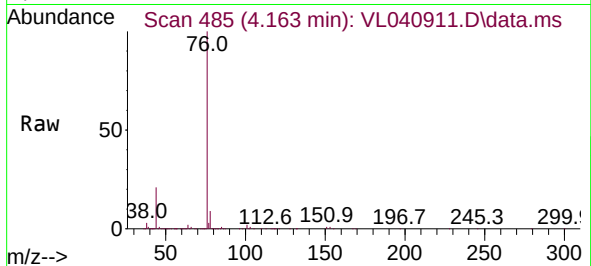




#27
Carbon Disulfide
Concen: 10.535 ppbv
RT: 4.163 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

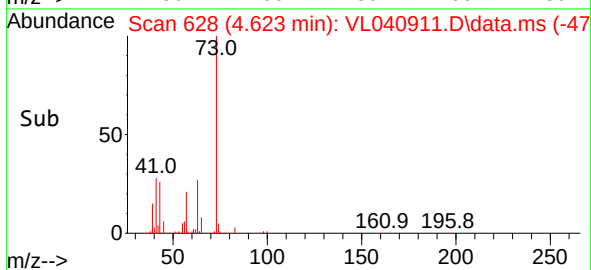
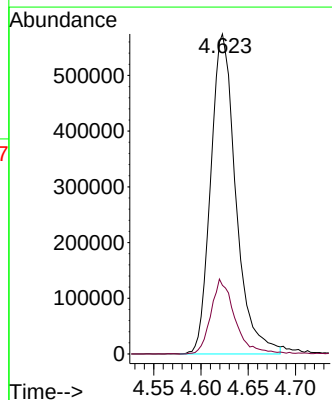
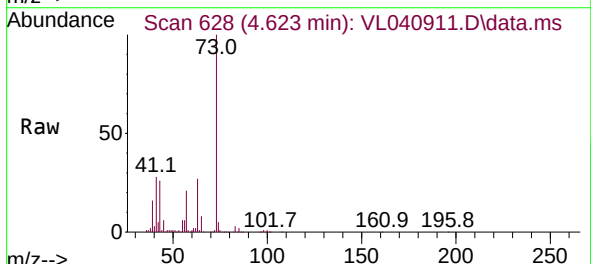
Instrument :
MSVOA_L
ClientSampleId :

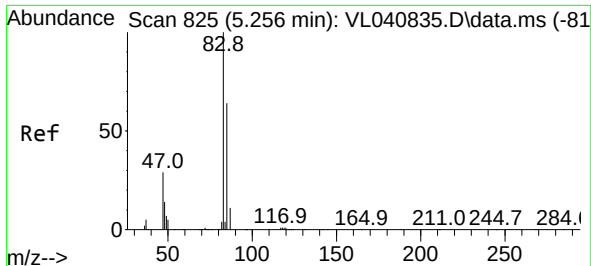
Tgt Ion: 76 Resp: 1392409
Ion Ratio Lower Upper
76 100
44 20.6 16.7 25.1
78 9.2 7.6 11.4



#28
Methyl tert-Butyl Ether
Concen: 11.268 ppbv
RT: 4.623 min Scan# 628
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 73 Resp: 1062105
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0





#29

Chloroform

Concen: 10.007 ppbv

RT: 5.308 min Scan# 84

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

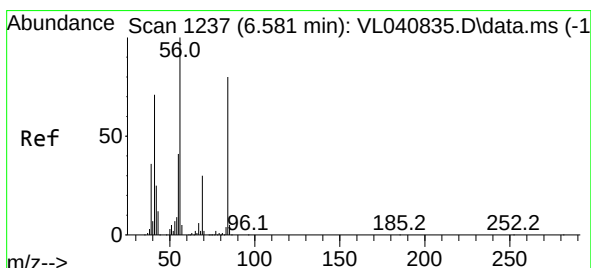
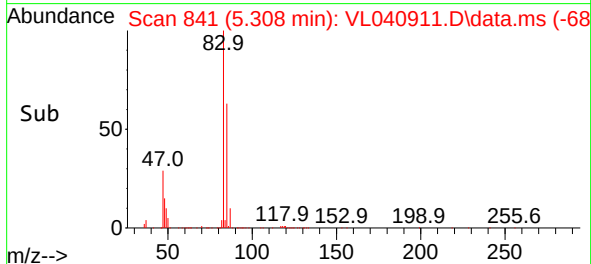
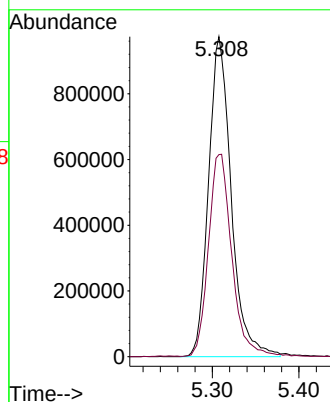
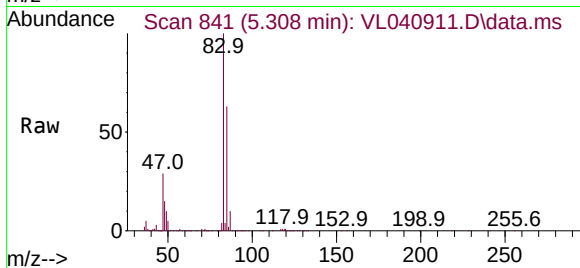
ClientSampleId :

Tgt Ion: 83 Resp: 1767685

Ion Ratio Lower Upper

83 100

85 63.0 51.4 77.0



#30

Cyclohexane

Concen: 10.431 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

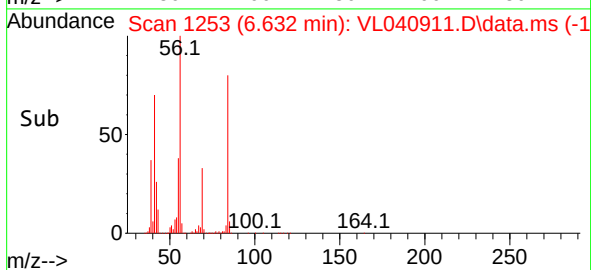
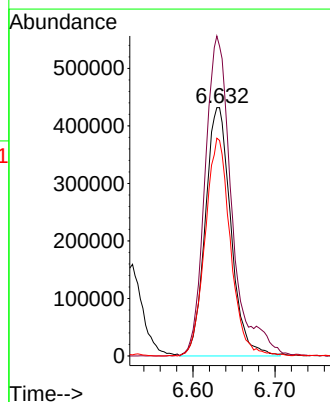
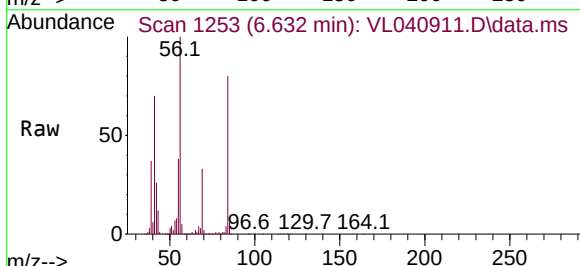
Tgt Ion: 84 Resp: 935311

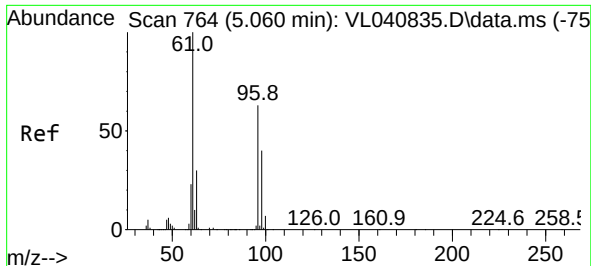
Ion Ratio Lower Upper

84 100

56 135.6 109.3 163.9

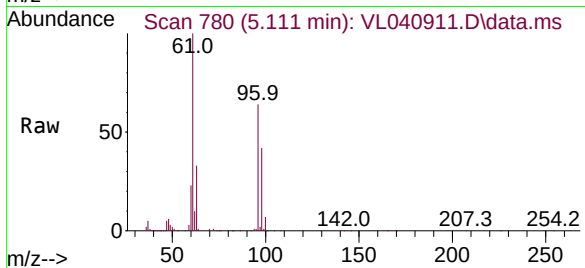
41 86.7 71.4 107.2





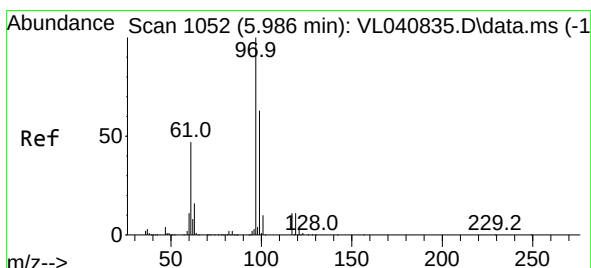
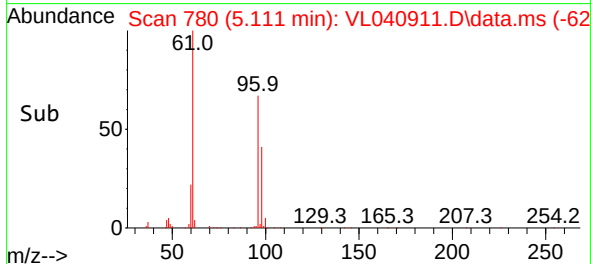
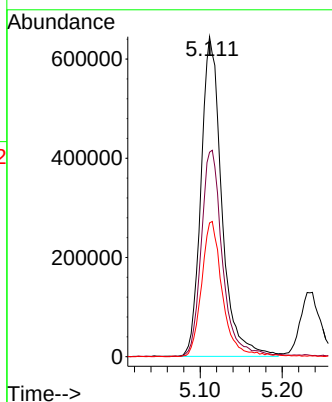
#31
 cis-1,2-Dichloroethene
 Concen: 10.995 ppbv
 RT: 5.111 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL040911.D
 Acq: 27 Nov 2023 17:18

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 61 Resp: 1133977

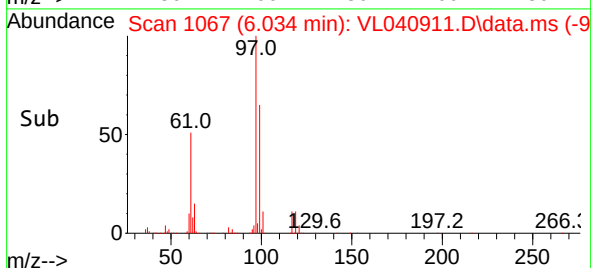
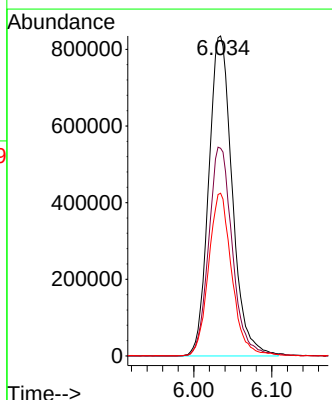
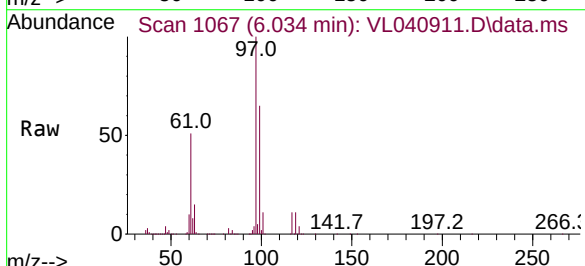
Ion	Ratio	Lower	Upper
61	100		
96	63.8	50.5	75.7
98	41.8	31.9	47.9

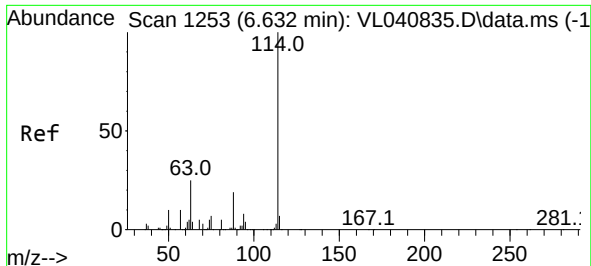


#32
 1,1,1-Trichloroethane
 Concen: 10.640 ppbv
 RT: 6.034 min Scan# 1067
 Delta R.T. 0.000 min
 Lab File: VL040911.D
 Acq: 27 Nov 2023 17:18

Tgt Ion: 97 Resp: 1753527

Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.2	78.4
61	50.2	41.0	61.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.680 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

ClientSampleId :

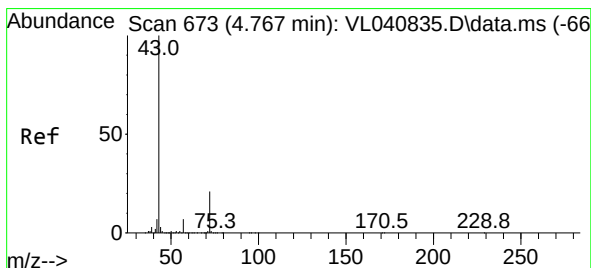
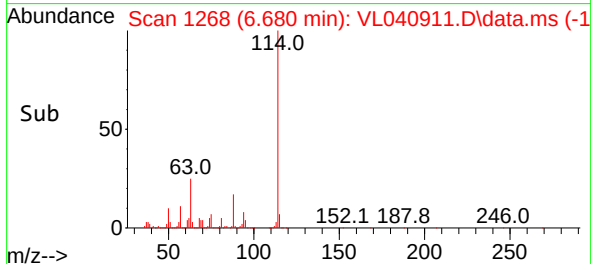
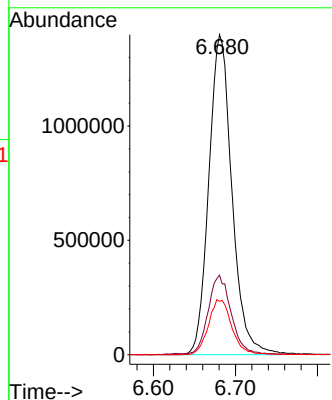
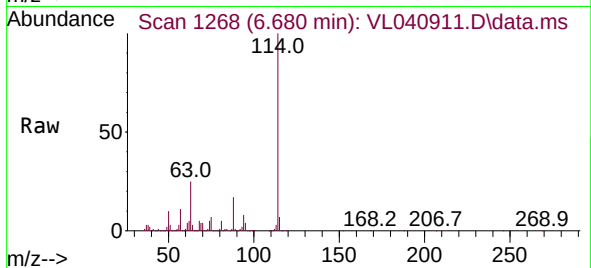
Tgt Ion:114 Resp: 2739026

Ion Ratio Lower Upper

114 100

63 25.2 20.9 31.3

88 17.5 14.3 21.5



#34

2-Butanone

Concen: 11.348 ppbv

RT: 4.819 min Scan# 689

Delta R.T. -0.003 min

Lab File: VL040911.D

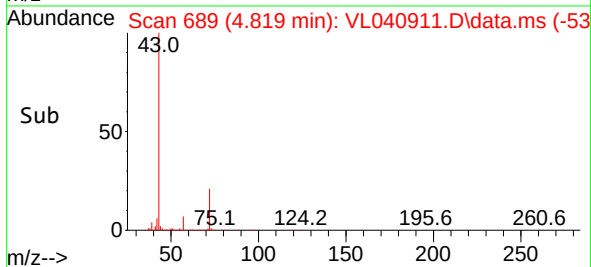
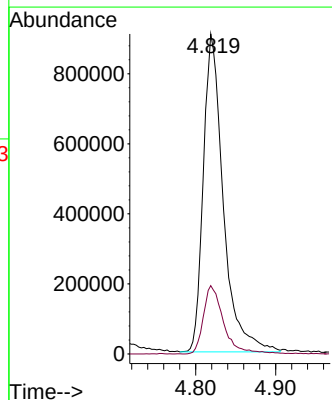
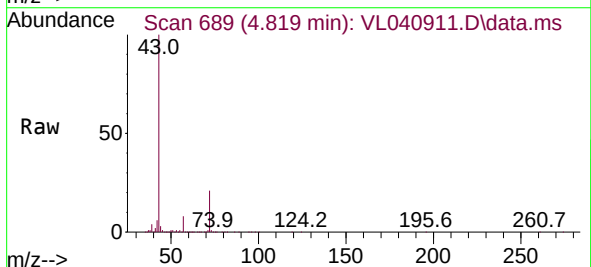
Acq: 27 Nov 2023 17:18

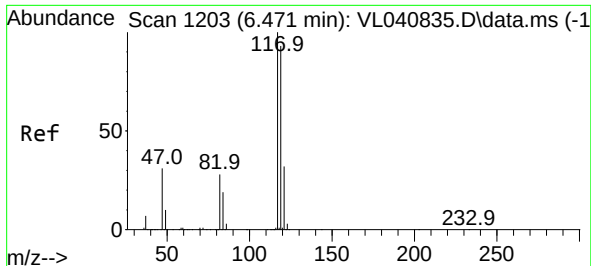
Tgt Ion: 43 Resp: 1583406

Ion Ratio Lower Upper

43 100

72 21.9 17.2 25.8

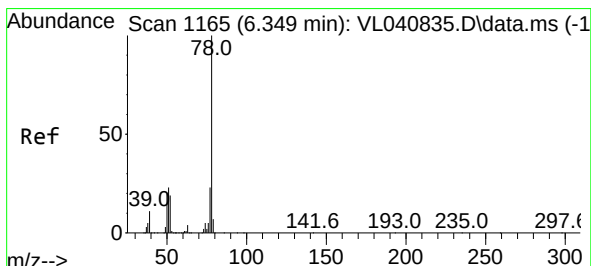
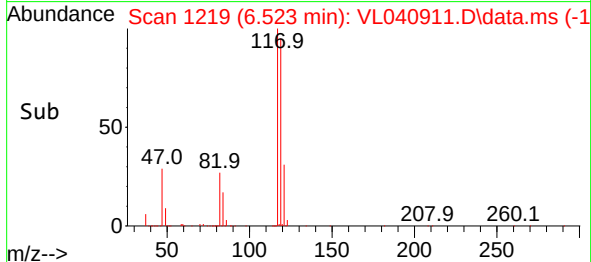
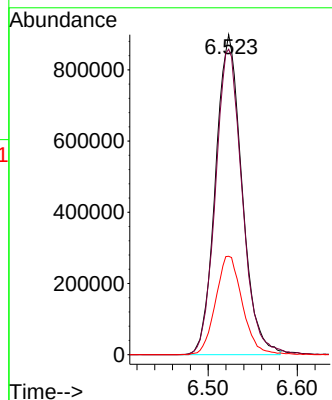
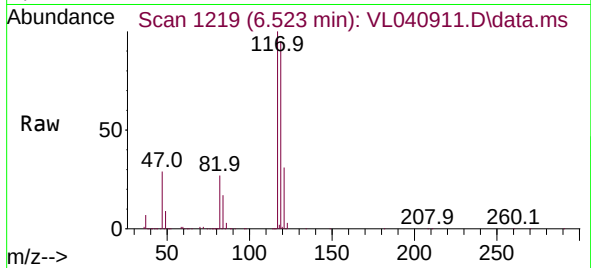




#35
Carbon Tetrachloride
Concen: 11.018 ppbv
RT: 6.523 min Scan# 1181
Delta R.T. 0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

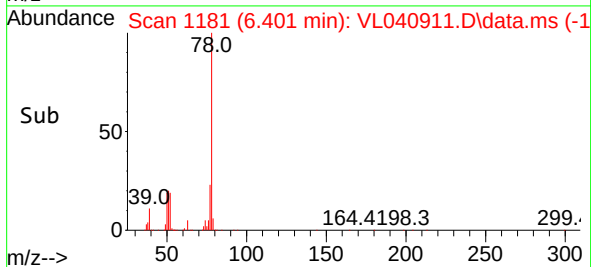
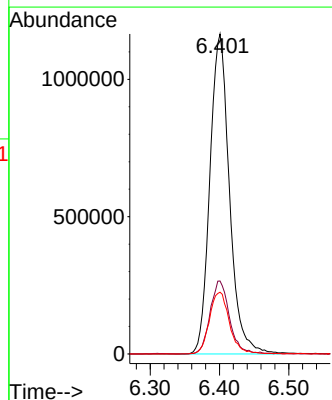
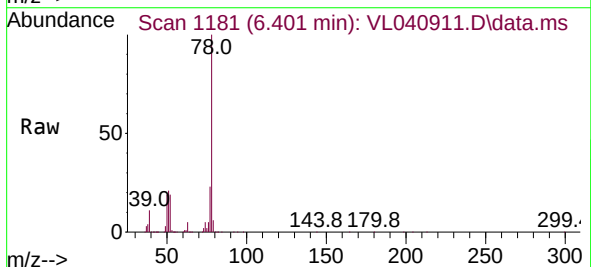
Instrument :
MSVOA_L
ClientSampleId :

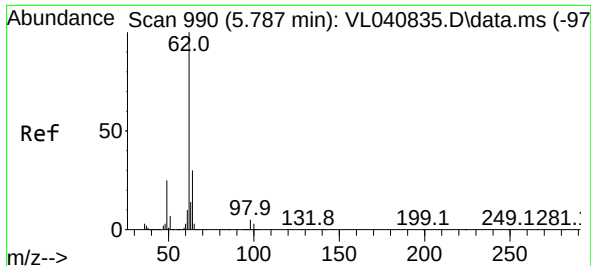
Tgt Ion:117 Resp: 1851532
Ion Ratio Lower Upper
117 100
119 95.4 74.7 112.1
121 30.8 25.5 38.3



#36
Benzene
Concen: 10.274 ppbv
RT: 6.401 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 78 Resp: 2283864
Ion Ratio Lower Upper
78 100
77 22.8 18.4 27.6
50 19.3 16.2 24.2





#37

1,2-Dichloroethane

Concen: 10.123 ppbv

RT: 5.838 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

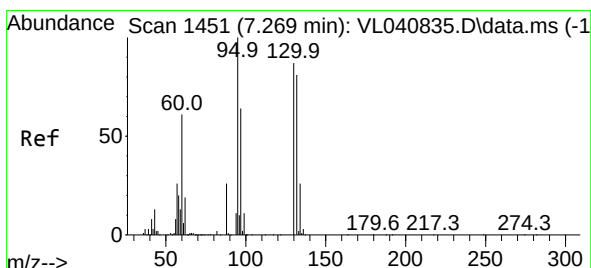
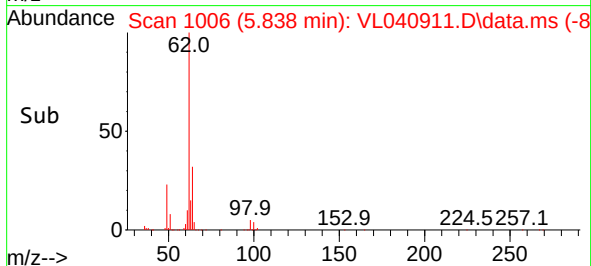
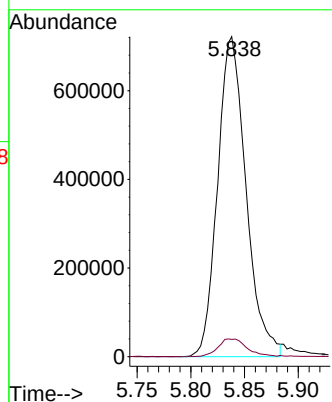
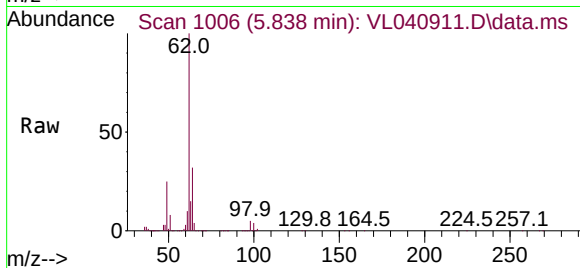
ClientSampleId :

Tgt Ion: 62 Resp: 1327250

Ion Ratio Lower Upper

62 100

98 5.9 4.6 6.8



#38

Trichloroethene

Concen: 10.353 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. 0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Tgt Ion:130 Resp: 894549

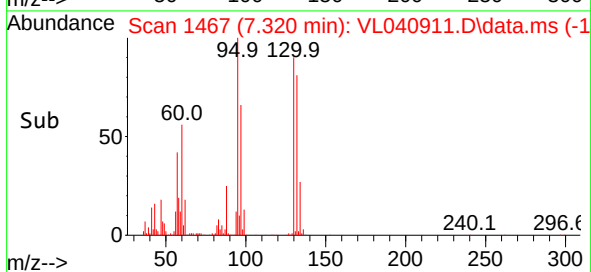
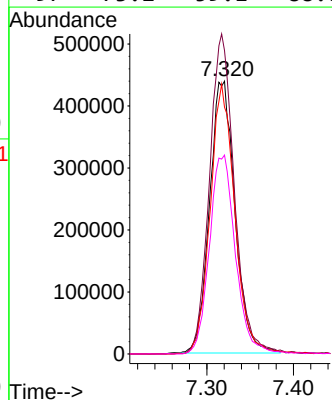
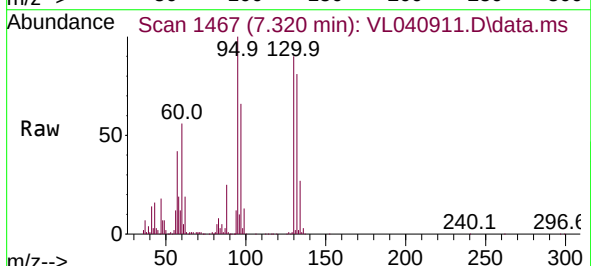
Ion Ratio Lower Upper

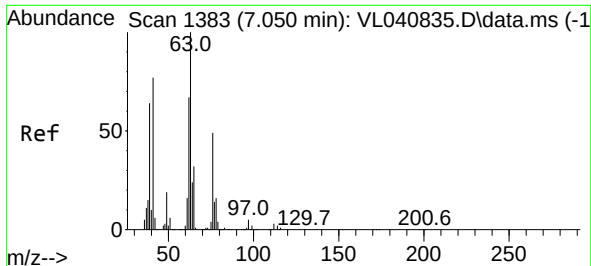
130 100

95 111.3 92.4 138.6

132 90.6 75.1 112.7

97 73.2 59.1 88.7





#39

1,2-Dichloropropane

Concen: 10.198 ppbv

RT: 7.098 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

ClientSampleId :

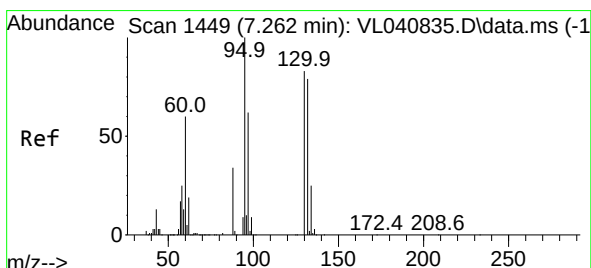
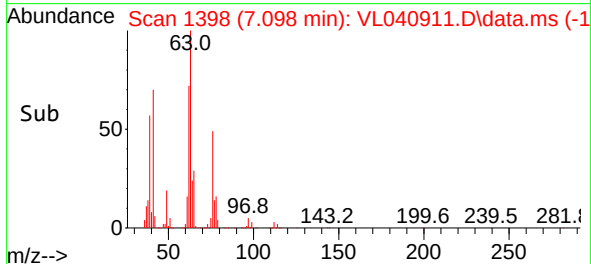
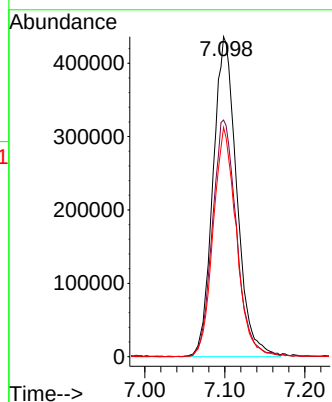
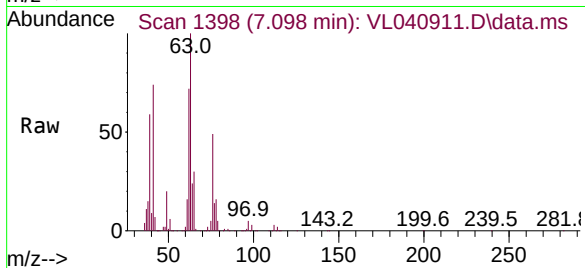
Tgt Ion: 63 Resp: 898813

Ion Ratio Lower Upper

63 100

41 73.9 61.5 92.3

62 71.5 53.9 80.9



#40

1,4-Dioxane

Concen: 10.950 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. -0.006 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Tgt Ion: 88 Resp: 382967

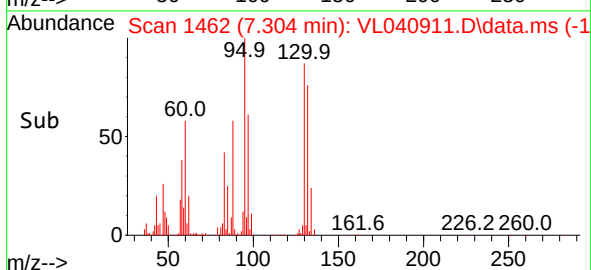
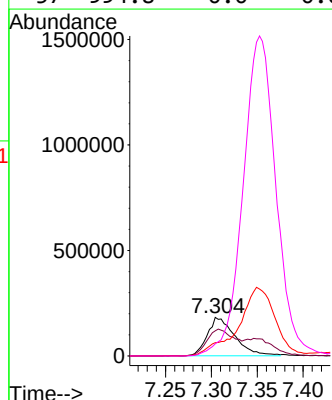
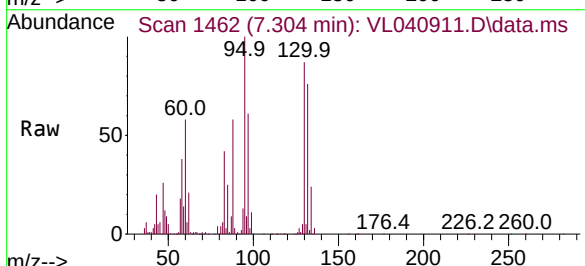
Ion Ratio Lower Upper

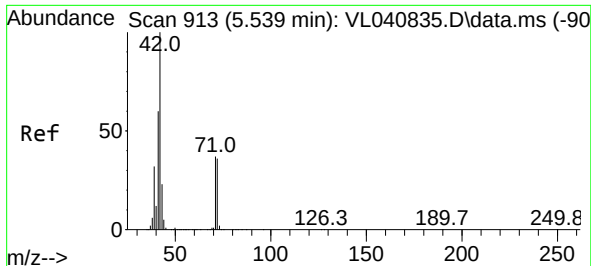
88 100

58 117.4 101.0 151.6

43 236.8 0.0 0.0#

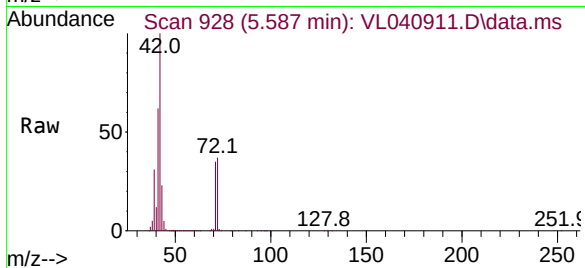
57 994.8 0.0 0.0#



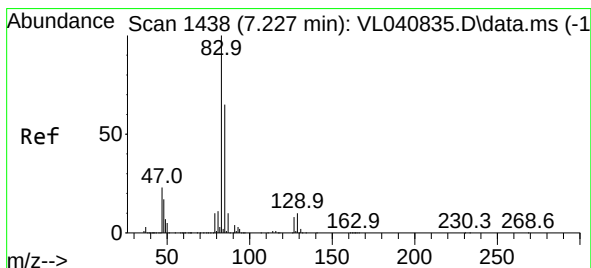
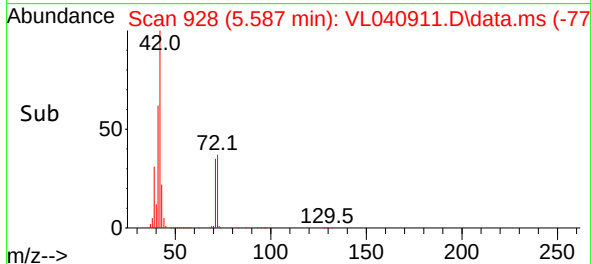
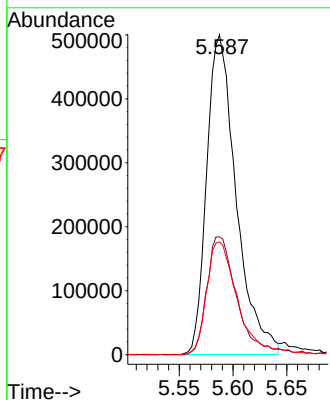


#41
Tetrahydrofuran
Concen: 11.074 ppbv
RT: 5.587 min Scan# 913
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Instrument :
MSVOA_L
ClientSampleId :

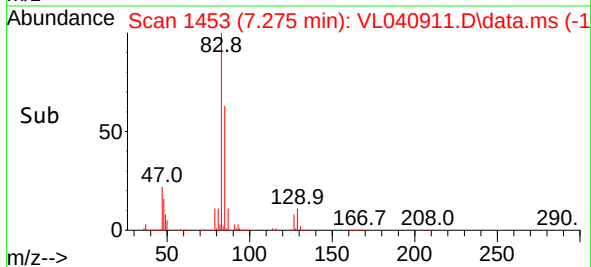
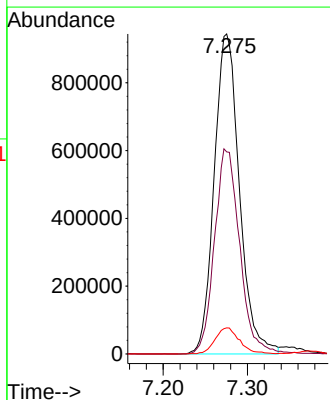
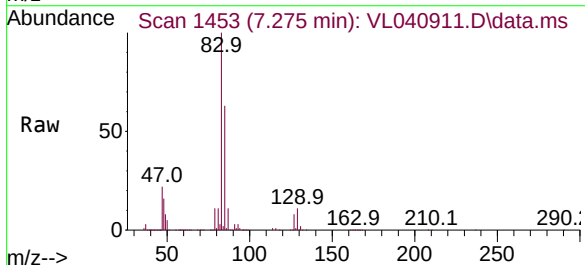


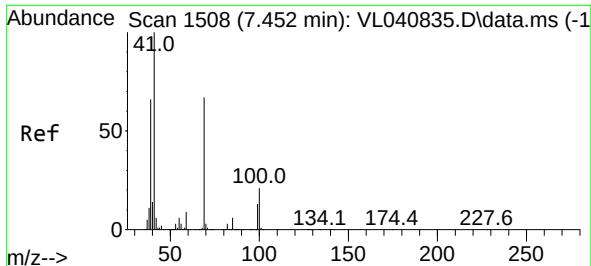
Tgt Ion: 42 Resp: 951357
Ion Ratio Lower Upper
42 100
72 38.7 30.8 46.2
71 37.5 30.0 45.0



#42
Bromodichloromethane
Concen: 10.460 ppbv
RT: 7.275 min Scan# 1453
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 83 Resp: 1962604
Ion Ratio Lower Upper
83 100
85 63.1 52.3 78.5
127 8.2 6.6 10.0

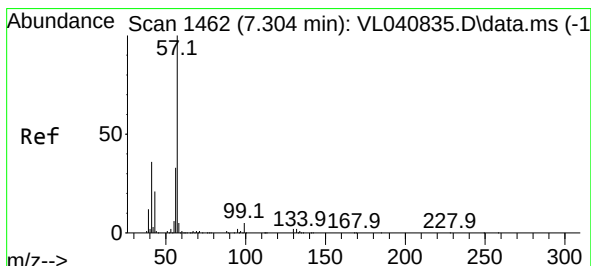
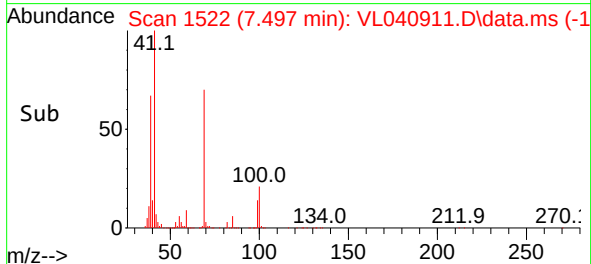
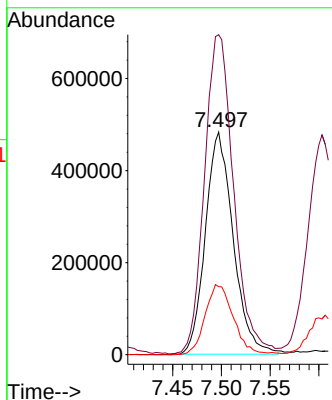
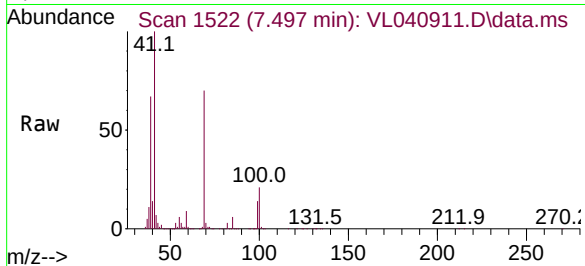




#43
Methyl Methacrylate
Concen: 11.302 ppbv
RT: 7.497 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

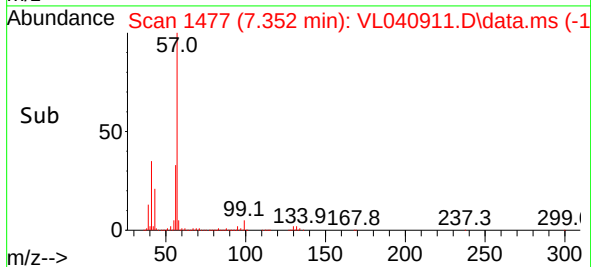
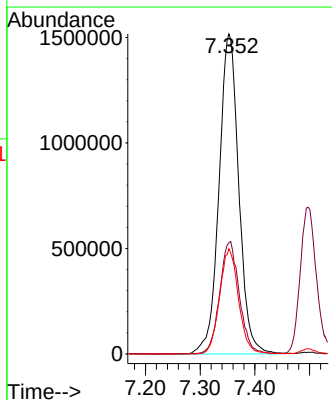
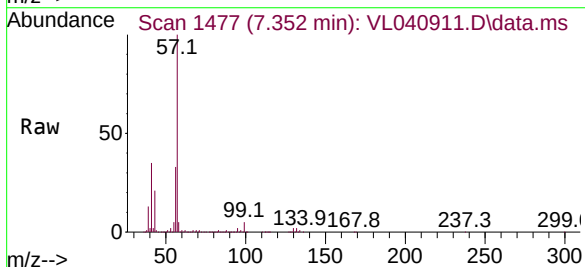
Instrument :
MSVOA_L
ClientSampleId :

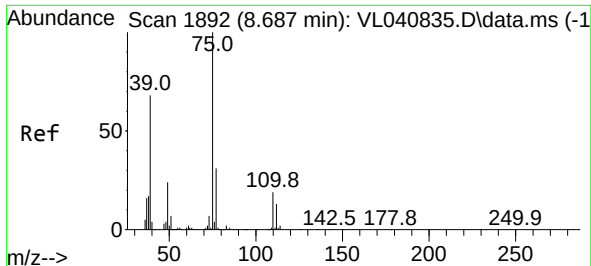
Tgt Ion: 69 Resp: 957372
Ion Ratio Lower Upper
69 100
41 150.8 123.0 184.4
100 32.2 25.4 38.2



#44
2,2,4-Trimethylpentane
Concen: 10.302 ppbv
RT: 7.352 min Scan# 1477
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 57 Resp: 3804120
Ion Ratio Lower Upper
57 100
41 35.1 29.0 43.6
56 31.5 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 13.093 ppbv

RT: 8.729 min Scan# 1905

Delta R.T. -0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

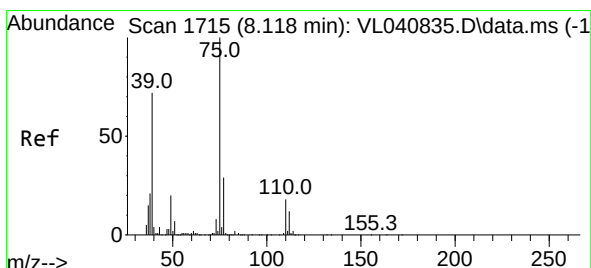
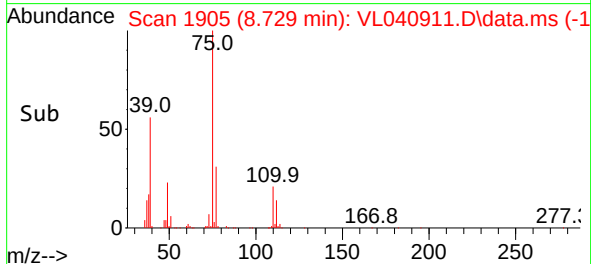
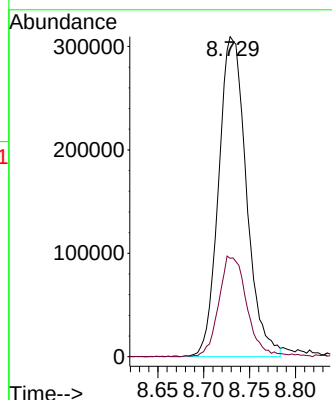
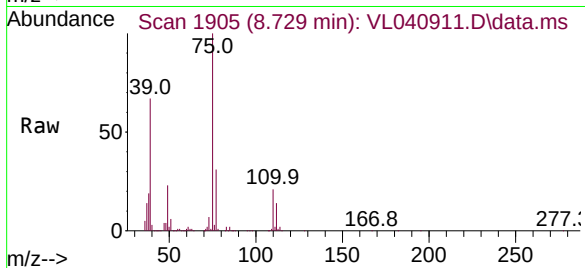
ClientSampleId :

Tgt Ion: 75 Resp: 651750

Ion Ratio Lower Upper

75 100

77 30.7 24.9 37.3



#46

cis-1,3-Dichloropropene

Concen: 12.476 ppbv

RT: 8.166 min Scan# 1730

Delta R.T. -0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

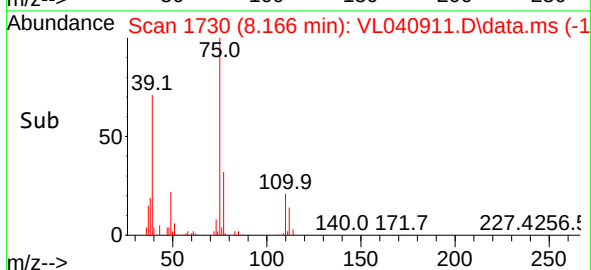
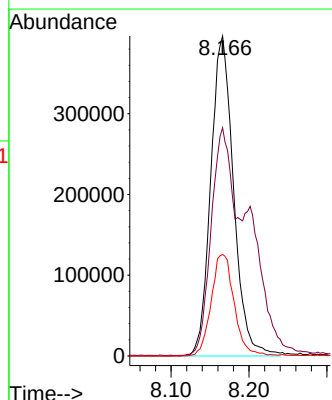
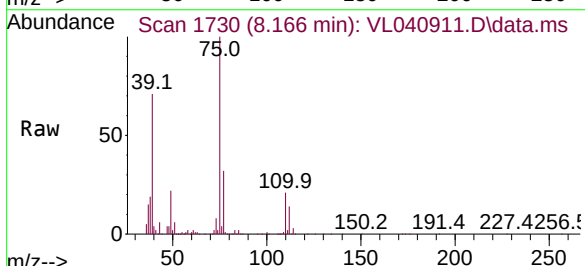
Tgt Ion: 75 Resp: 805274

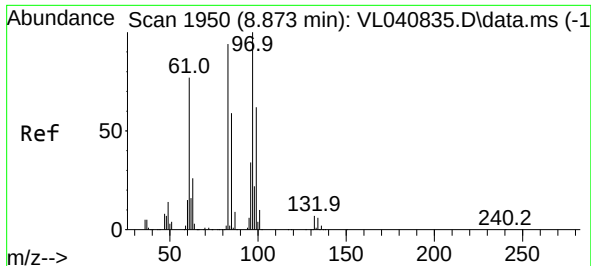
Ion Ratio Lower Upper

75 100

39 71.1 57.3 85.9

77 31.7 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 10.286 ppbv

RT: 8.922 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 950023

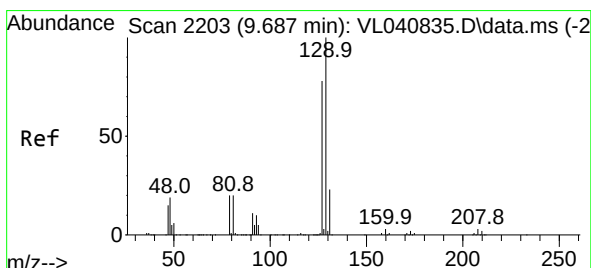
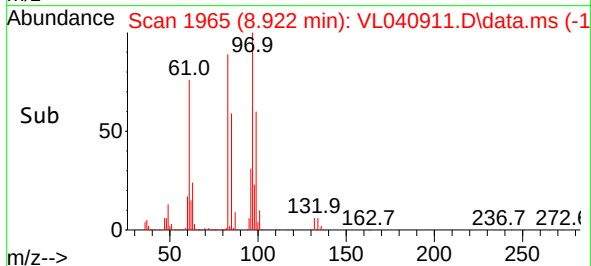
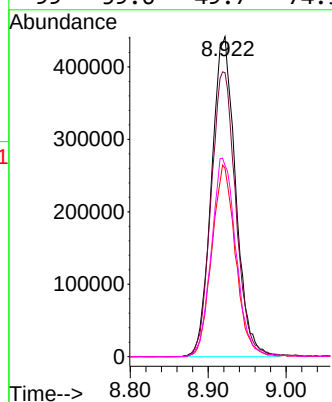
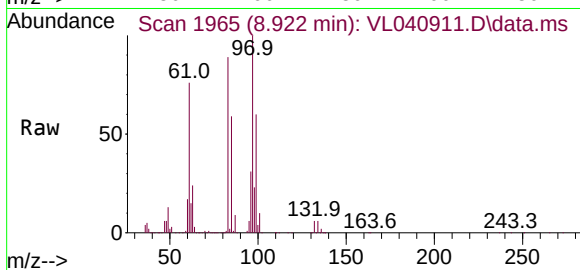
Ion Ratio Lower Upper

97 100

83 88.8 74.8 112.2

85 58.8 47.4 71.0

99 59.6 49.7 74.5



#48

Dibromochloromethane

Concen: 11.045 ppbv

RT: 9.729 min Scan# 2216

Delta R.T. 0.000 min

Lab File: VL040911.D

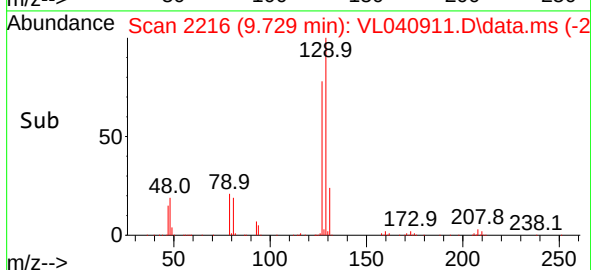
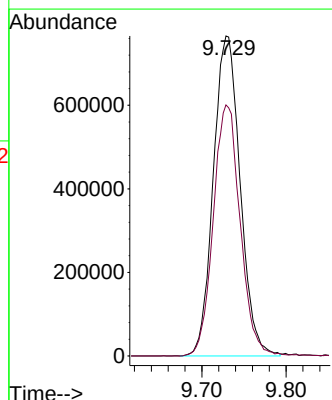
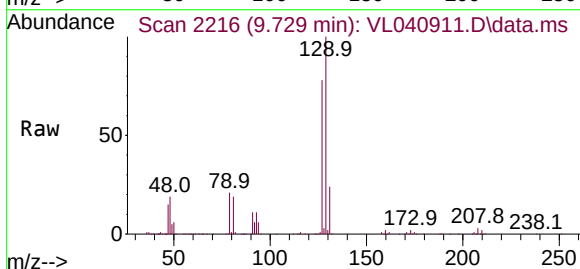
Acq: 27 Nov 2023 17:18

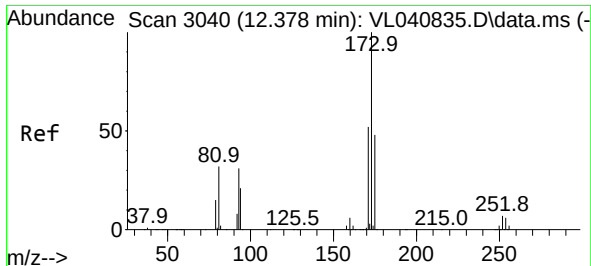
Tgt Ion: 129 Resp: 1692656

Ion Ratio Lower Upper

129 100

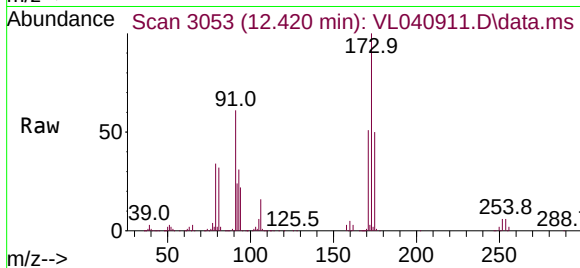
127 78.8 39.3 117.9



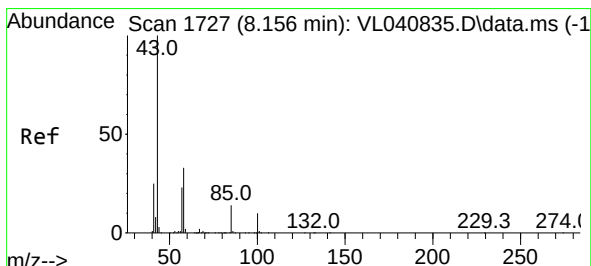
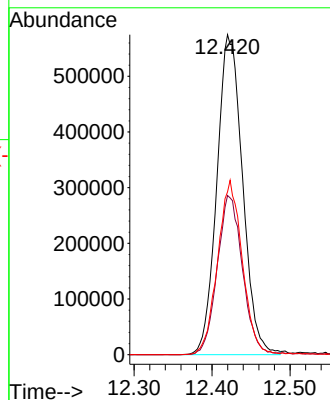
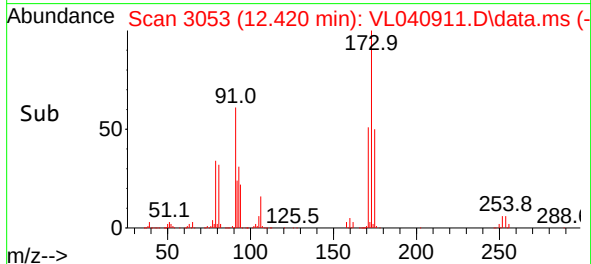


#49
Bromoform
Concen: 11.416 ppbv
RT: 12.420 min Scan# 3040
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

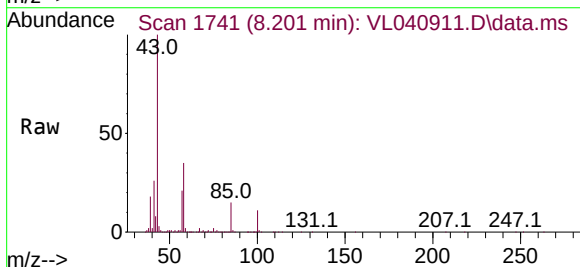
Instrument :
MSVOA_L
ClientSampleId :



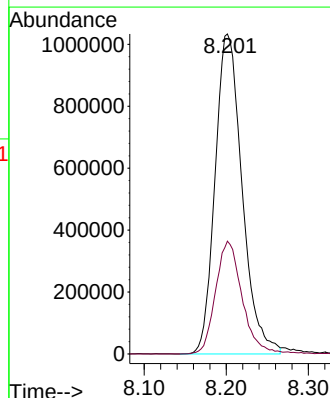
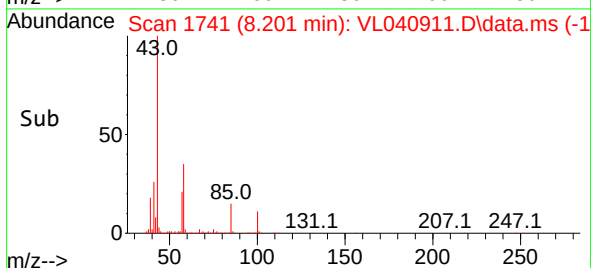
Tgt Ion:173 Resp: 1315841
Ion Ratio Lower Upper
173 100
175 49.4 39.0 58.6
171 52.7 41.8 62.6

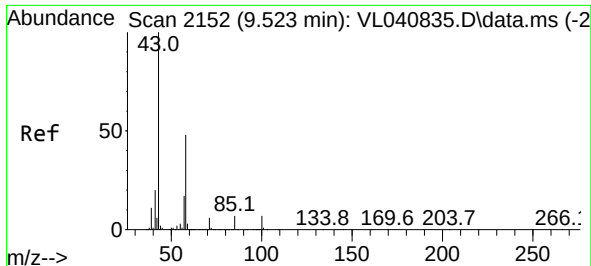


#50
4-Methyl-2-Pentanone
Concen: 10.950 ppbv
RT: 8.201 min Scan# 1741
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18



Tgt Ion: 43 Resp: 2364562
Ion Ratio Lower Upper
43 100
58 34.9 27.8 41.6

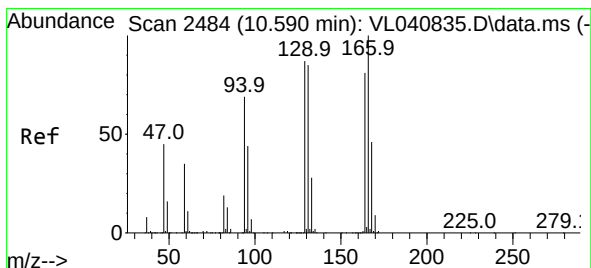
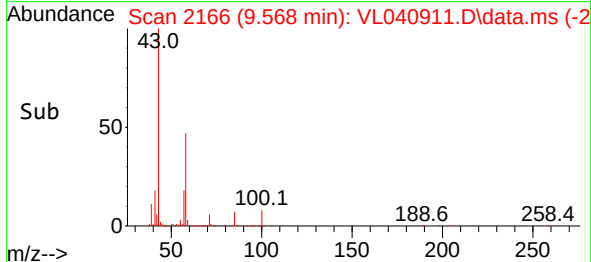
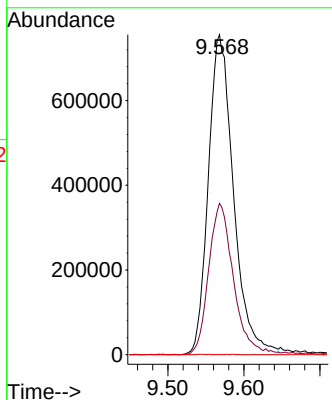
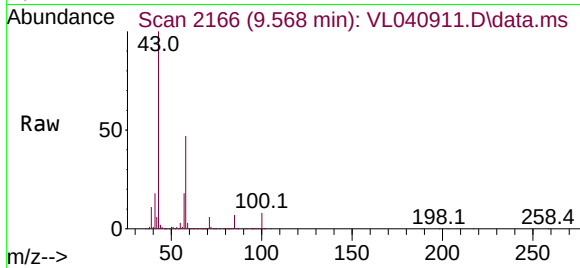




#51
2-Hexanone
Concen: 11.398 ppbv
RT: 9.568 min Scan# 2152
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

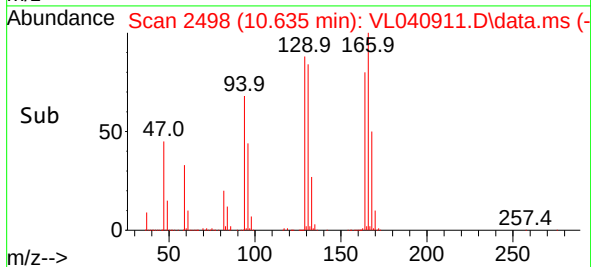
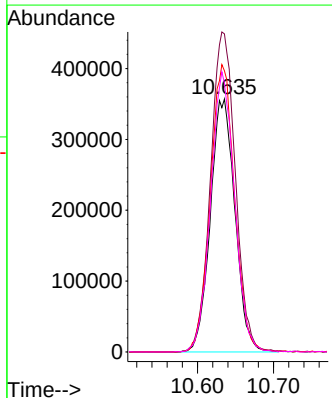
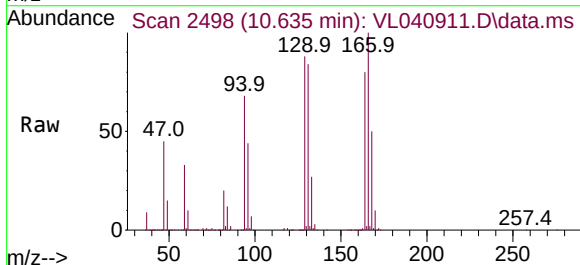
Instrument :
MSVOA_L
ClientSampleId :

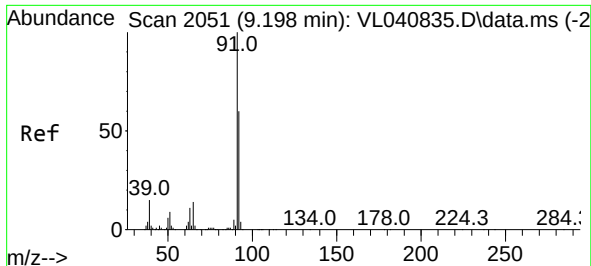
Tgt Ion: 43 Resp: 1734934
Ion Ratio Lower Upper
43 100
58 47.3 37.4 56.2
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.711 ppbv
RT: 10.635 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 164 Resp: 801838
Ion Ratio Lower Upper
164 100
166 125.8 98.3 147.5
129 111.0 85.1 127.7
131 106.2 83.8 125.6

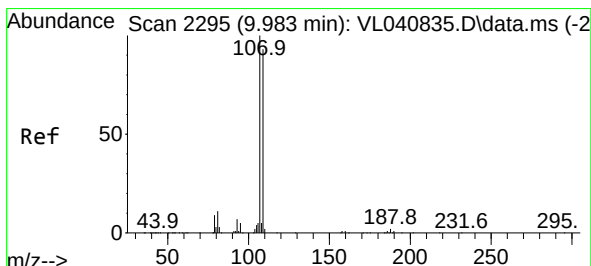
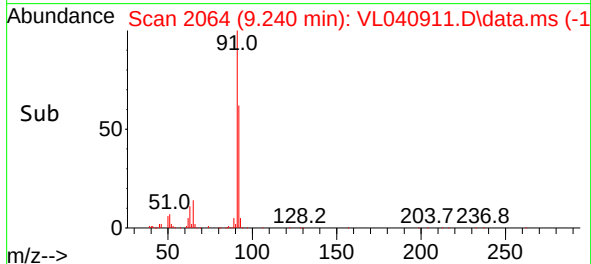
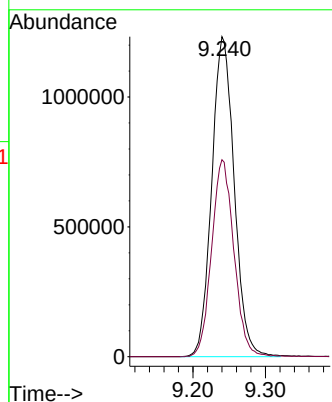
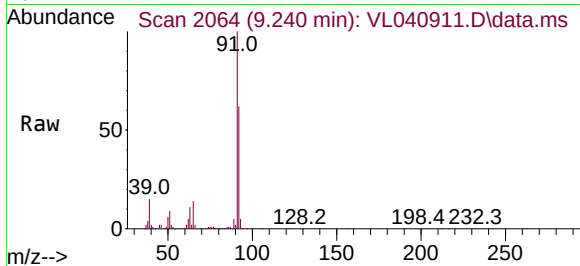




#53
Toluene
Concen: 10.846 ppbv
RT: 9.240 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

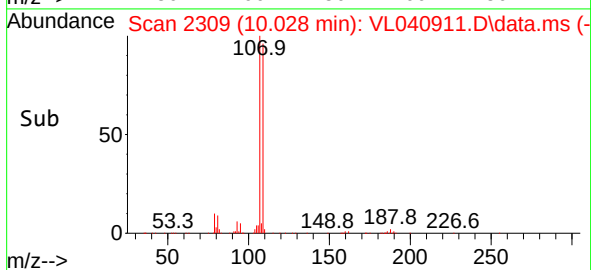
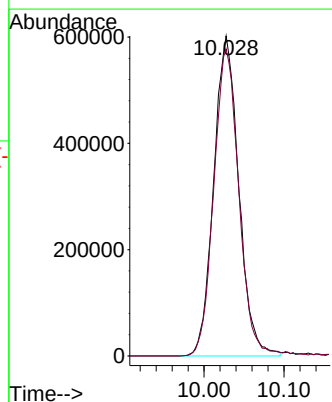
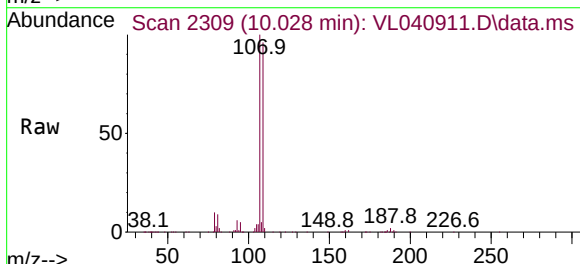
Instrument :
MSVOA_L
ClientSampleId :

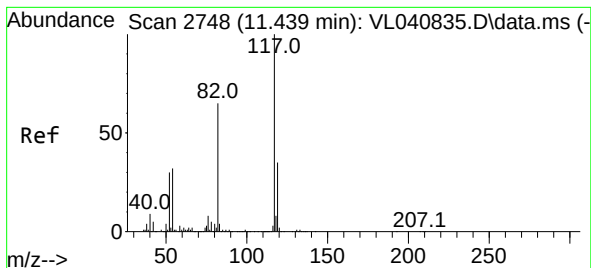
Tgt Ion: 91 Resp: 2653239
Ion Ratio Lower Upper
91 100
92 61.2 49.4 74.2



#54
1,2-Dibromoethane
Concen: 10.990 ppbv
RT: 10.028 min Scan# 2309
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 107 Resp: 1306279
Ion Ratio Lower Upper
107 100
109 95.9 74.5 111.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

ClientSampleId :

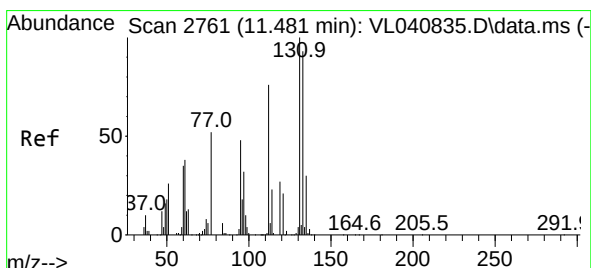
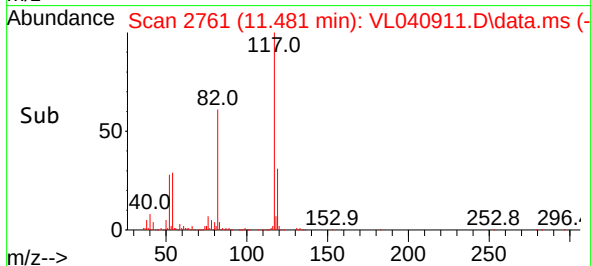
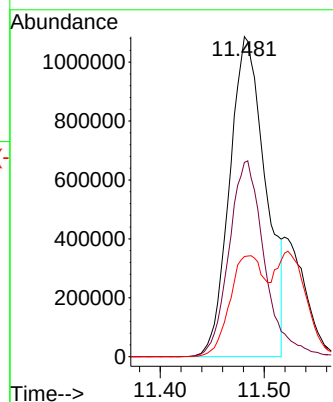
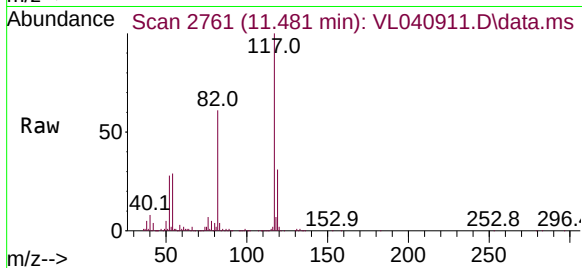
Tgt Ion:117 Resp: 2613891

Ion Ratio Lower Upper

117 100

82 60.6 50.6 75.8

119 28.2 23.3 34.9



#56

1,1,1,2-Tetrachloroethane

Concen: 10.774 ppbv

RT: 11.523 min Scan# 2774

Delta R.T. -0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

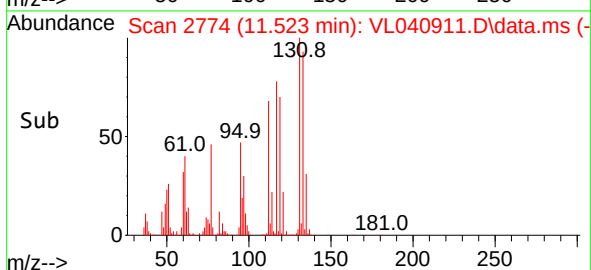
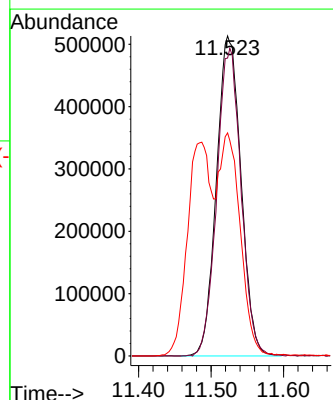
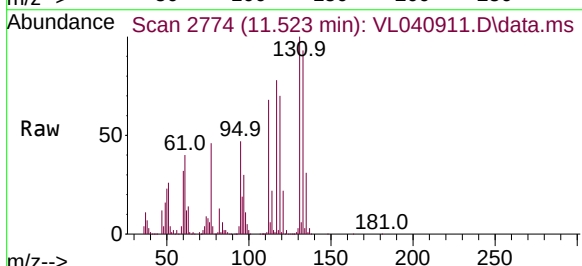
Tgt Ion:131 Resp: 1205316

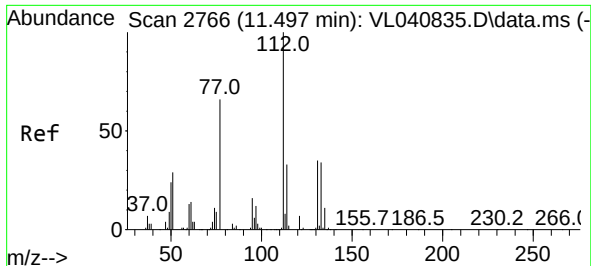
Ion Ratio Lower Upper

131 100

133 95.0 76.4 114.6

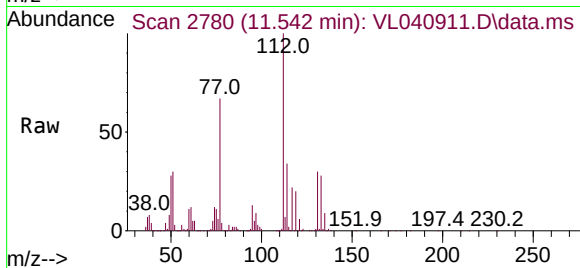
119 60.1 51.1 76.7



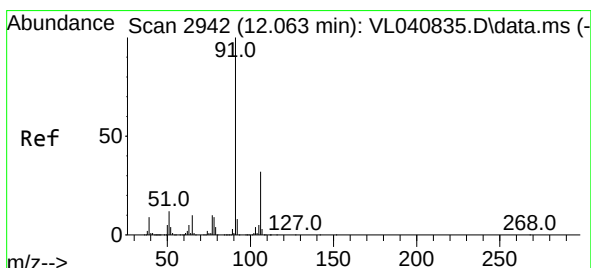
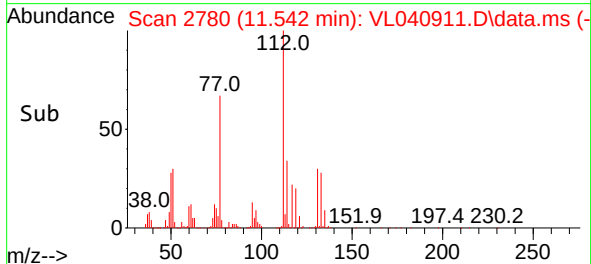
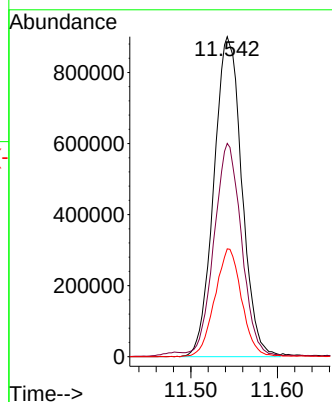


#57
Chlorobenzene
Concen: 10.445 ppbv
RT: 11.542 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Instrument :
MSVOA_L
ClientSampleId :

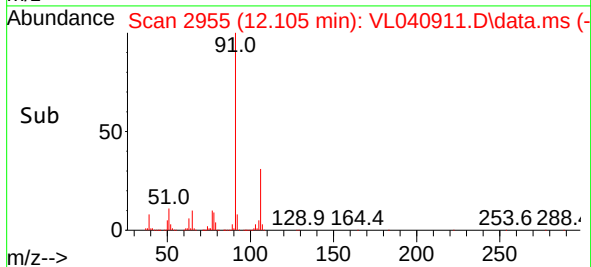
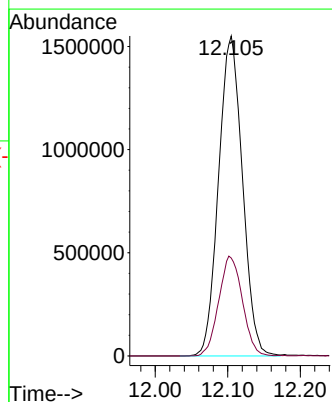
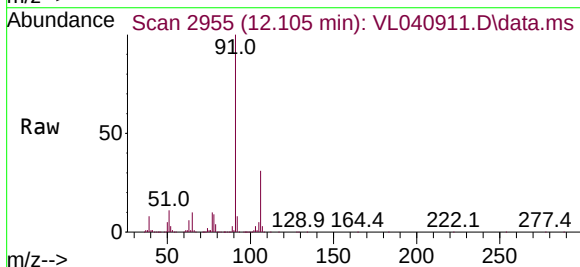


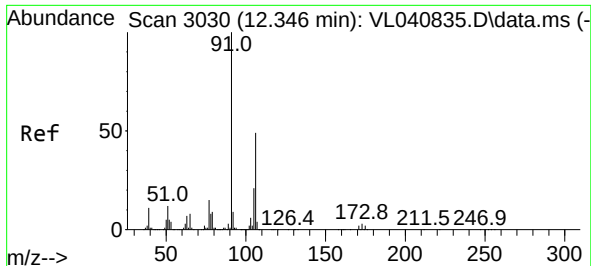
Tgt Ion:112 Resp: 2023727
Ion Ratio Lower Upper
112 100
77 66.1 53.3 79.9
114 33.7 29.3 35.9



#58
Ethyl Benzene
Concen: 10.381 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 91 Resp: 3540263
Ion Ratio Lower Upper
91 100
106 30.6 25.2 37.8





#59

m/p-Xylene

Concen: 11.170 ppbv

RT: 12.388 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

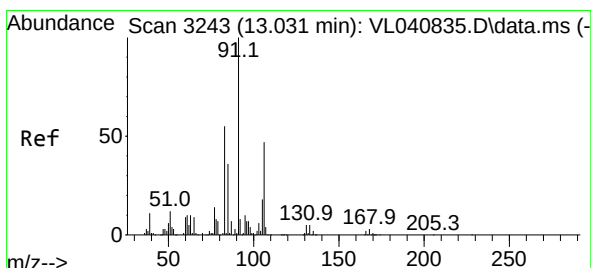
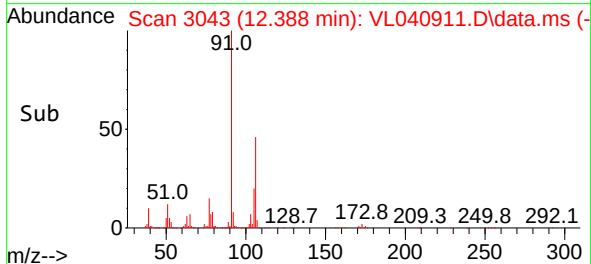
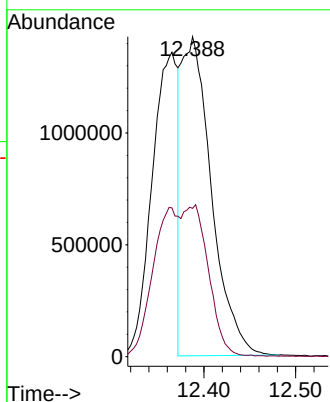
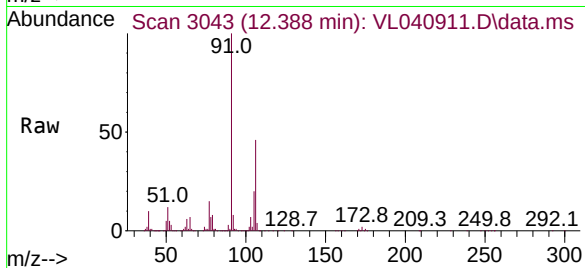
ClientSampleId :

Tgt Ion: 91 Resp: 3244142

Ion Ratio Lower Upper

91 100

106 82.5 35.4 53.0#



#60

o-Xylene

Concen: 10.215 ppbv

RT: 13.073 min Scan# 3256

Delta R.T. -0.003 min

Lab File: VL040911.D

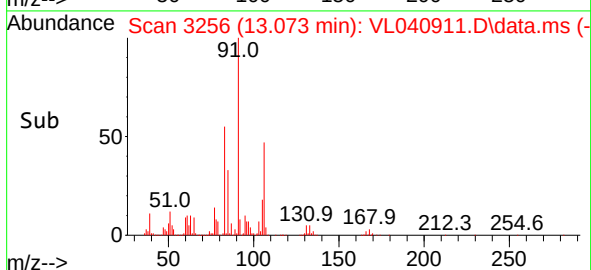
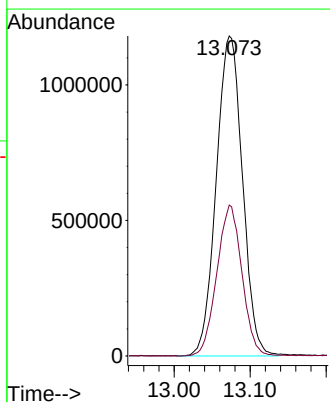
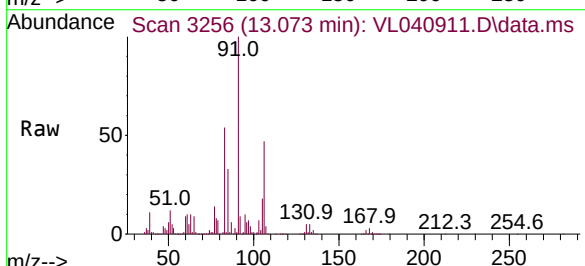
Acq: 27 Nov 2023 17:18

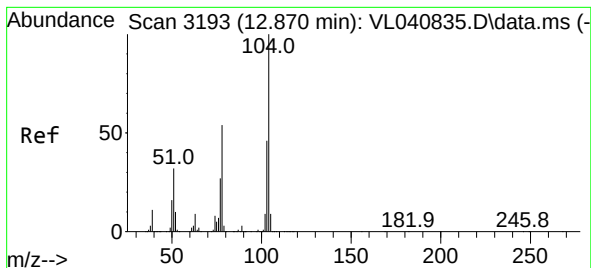
Tgt Ion: 91 Resp: 2824279

Ion Ratio Lower Upper

91 100

106 45.4 22.9 68.5





#61

Styrene

Concen: 11.164 ppbv

RT: 12.915 min Scan# 31

Delta R.T. 0.000 min MSVOA_L

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

ClientSampleId :

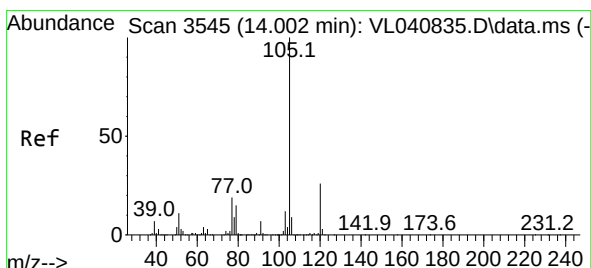
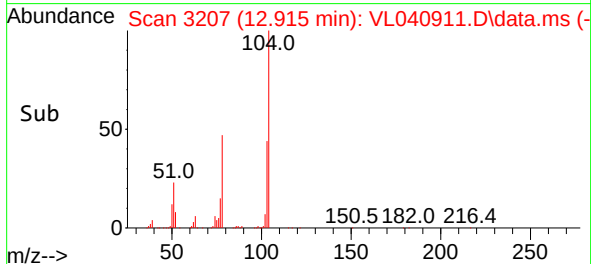
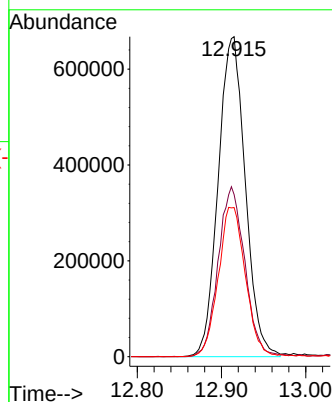
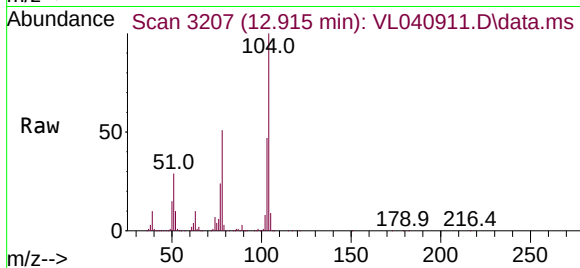
Tgt Ion:104 Resp: 1488455

Ion Ratio Lower Upper

104 100

78 52.3 43.3 64.9

103 47.1 37.6 56.4



#62

Isopropylbenzene

Concen: 10.226 ppbv

RT: 14.044 min Scan# 3558

Delta R.T. 0.000 min

Lab File: VL040911.D

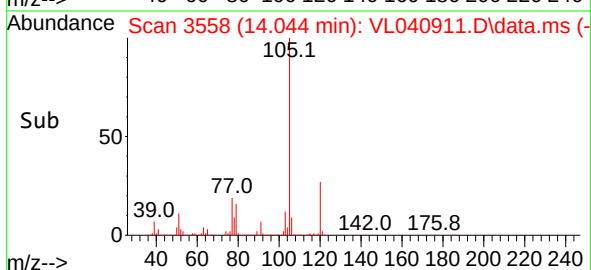
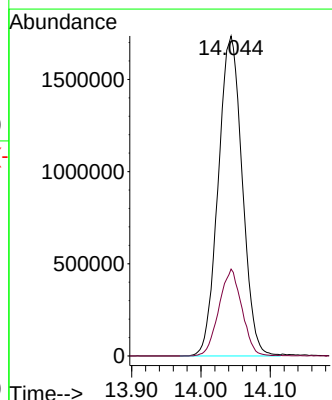
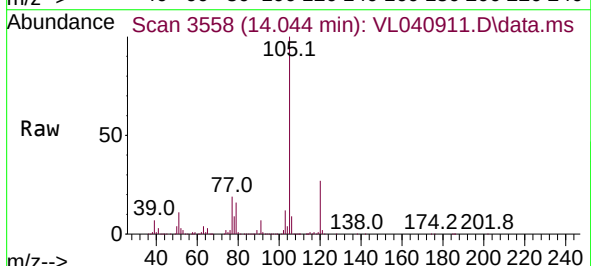
Acq: 27 Nov 2023 17:18

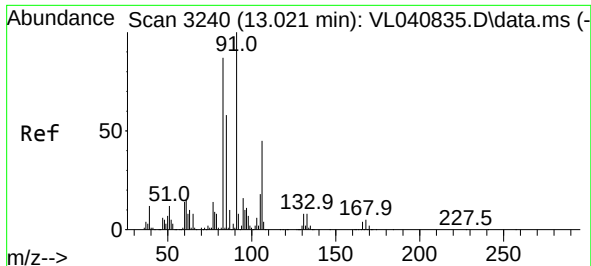
Tgt Ion:105 Resp: 4177045

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

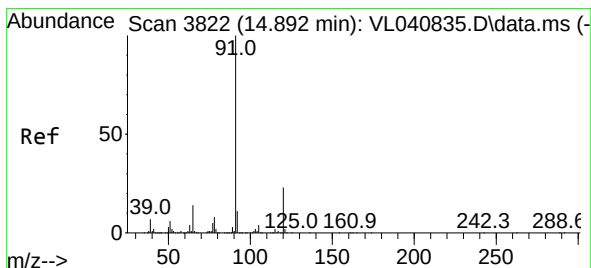
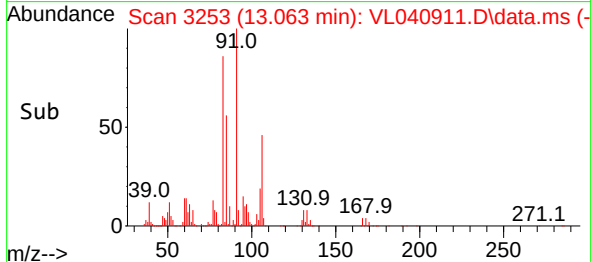
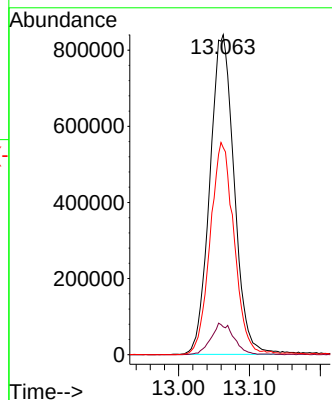
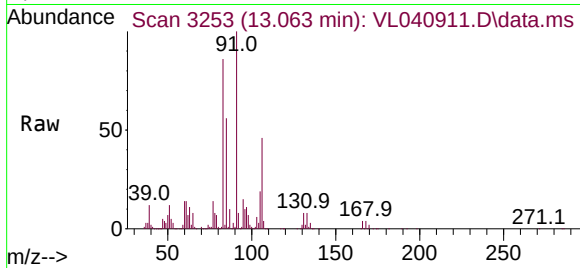




#63
1,1,2,2-Tetrachloroethane
Concen: 10.231 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

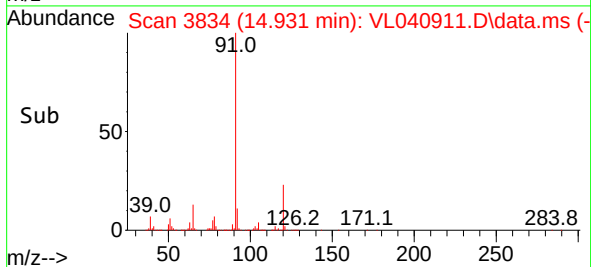
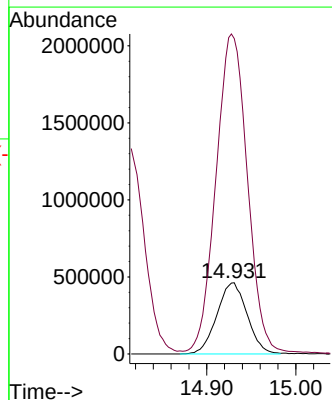
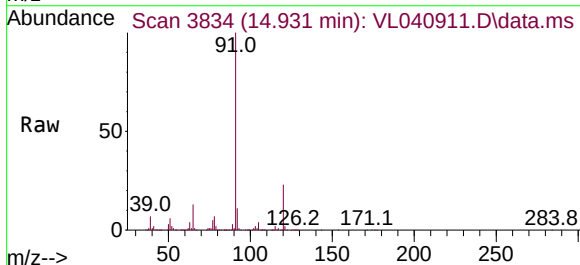
Instrument :
MSVOA_L
ClientSampleId :

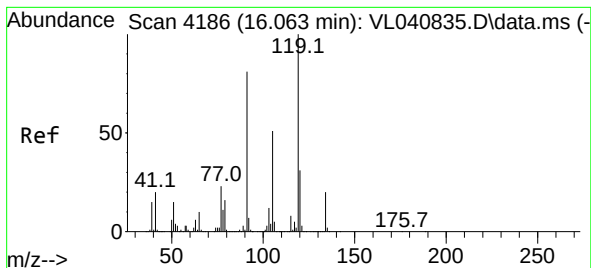
Tgt Ion: 83 Resp: 2004768
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.7
85 65.9 32.9 98.7



#64
n-propylbenzene
Concen: 10.646 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion:120 Resp: 1089852
Ion Ratio Lower Upper
120 100
91 471.1 381.1 571.7

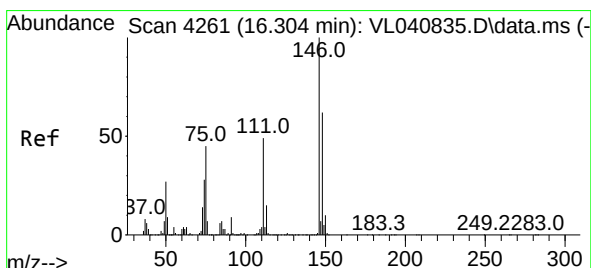
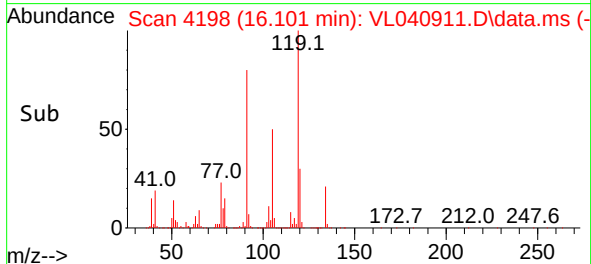
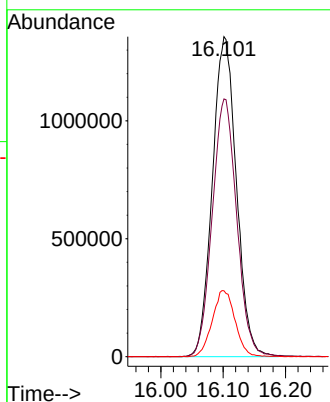
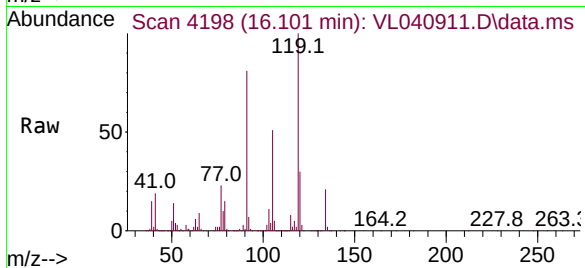




#65
tert-Butylbenzene
Concen: 10.542 ppbv
RT: 16.101 min Scan# 4186
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

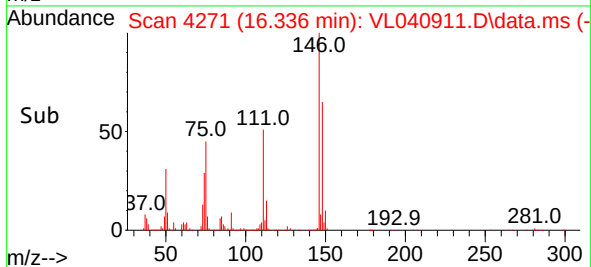
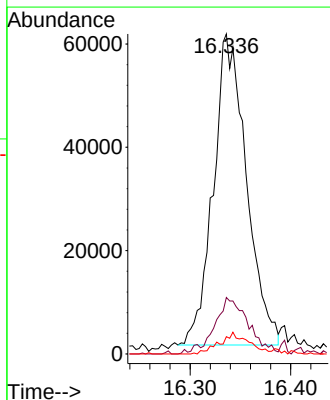
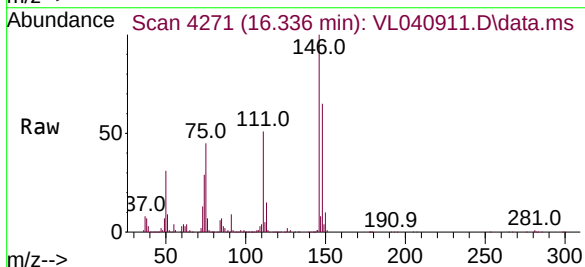
Instrument :
MSVOA_L
ClientSampleId :

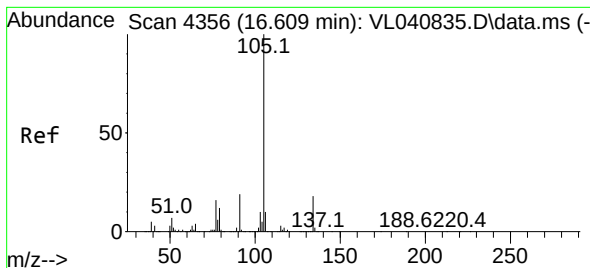
Tgt Ion:119 Resp: 3630930
Ion Ratio Lower Upper
119 100
91 81.8 67.5 101.3
134 19.7 15.9 23.9



#66
Benzyl Chloride
Concen: 10.825 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. -0.006 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion: 91 Resp: 137387
Ion Ratio Lower Upper
91 100
126 19.2 12.8 19.2
128 6.7 0.0 0.0#





#67

sec-Butylbenzene

Concen: 10.307 ppbv

RT: 16.648 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

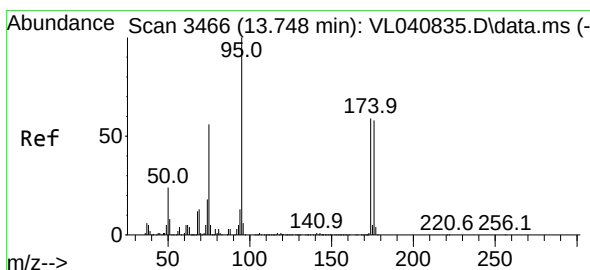
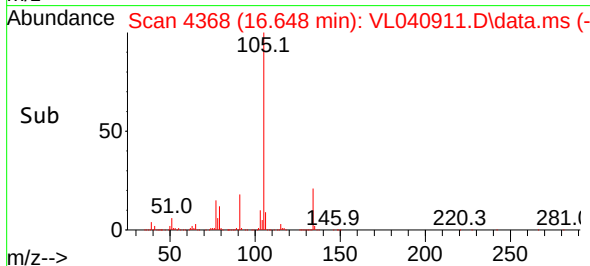
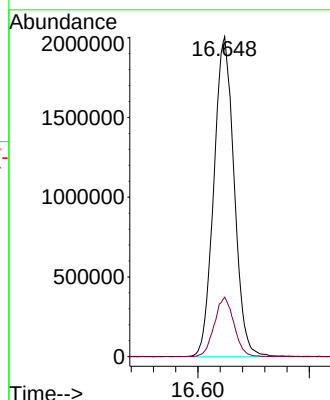
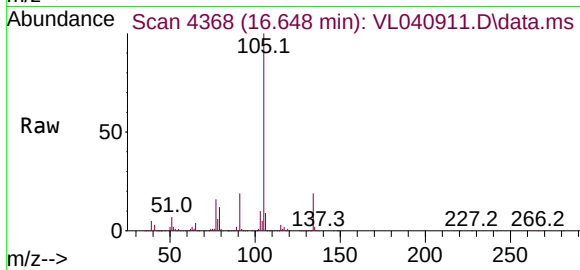
ClientSampleId :

Tgt Ion:105 Resp: 5070987

Ion Ratio Lower Upper

105 100

134 18.1 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 8.864 ppbv

RT: 13.790 min Scan# 3479

Delta R.T. -0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

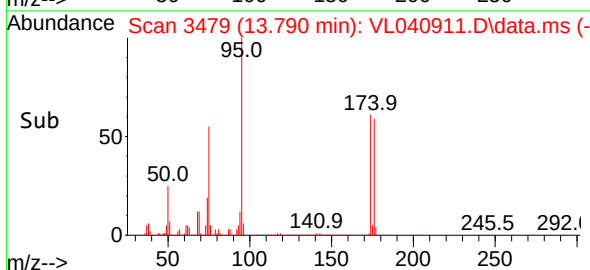
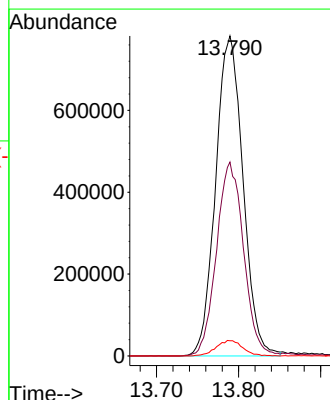
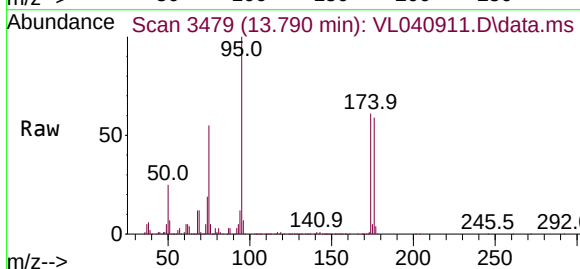
Tgt Ion: 95 Resp: 1814104

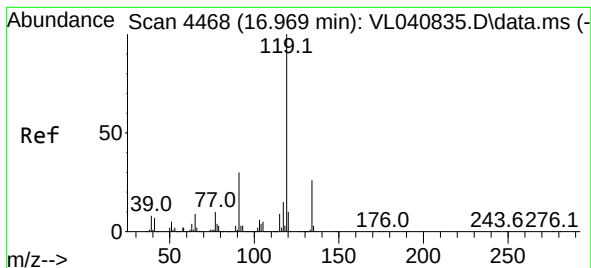
Ion Ratio Lower Upper

95 100

174 60.9 47.5 71.3

175 4.8 3.6 5.4





#69

p-Isopropyltoluene

Concen: 10.500 ppbv

RT: 17.008 min Scan# 4468

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

ClientSampleId :

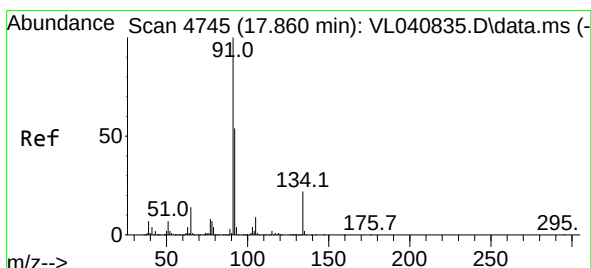
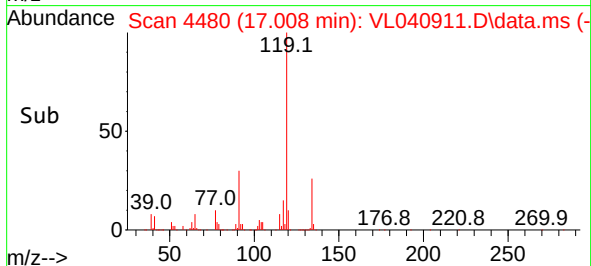
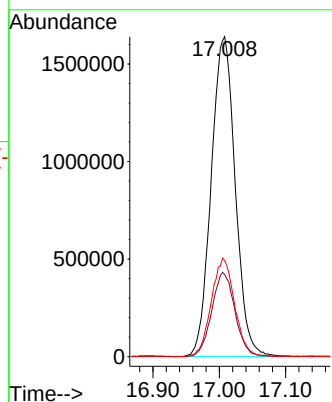
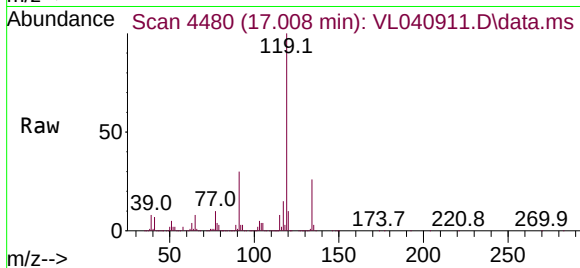
Tgt Ion:119 Resp: 4119214

Ion Ratio Lower Upper

119 100

134 25.5 20.5 30.7

91 29.9 24.7 37.1



#70

n-Butylbenzene

Concen: 10.303 ppbv

RT: 17.899 min Scan# 4757

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

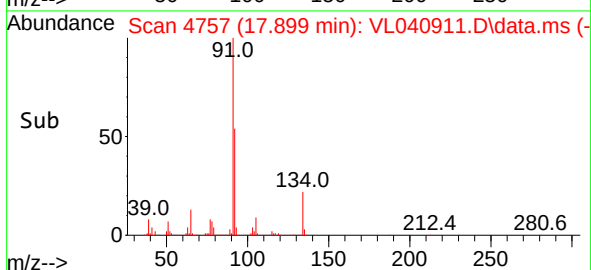
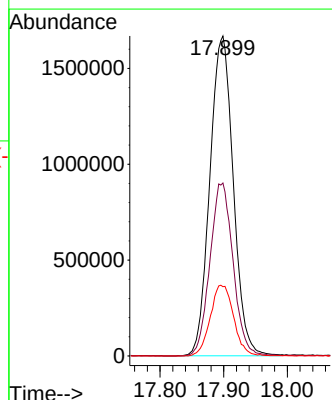
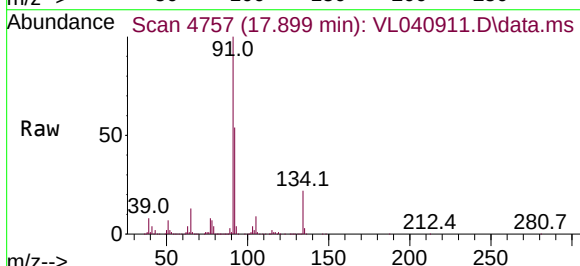
Tgt Ion: 91 Resp: 4268114

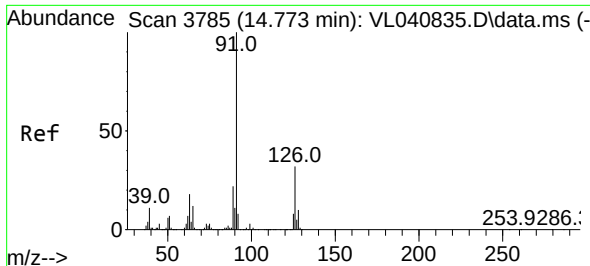
Ion Ratio Lower Upper

91 100

92 53.7 43.4 65.2

134 22.2 17.4 26.0

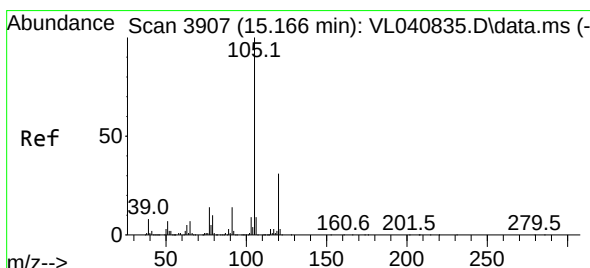
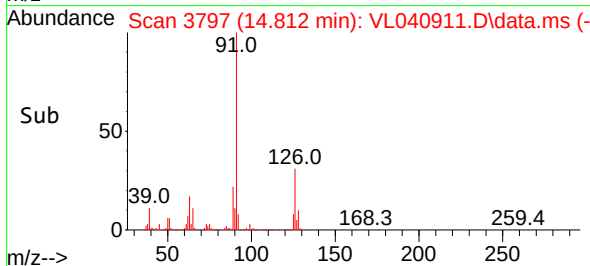
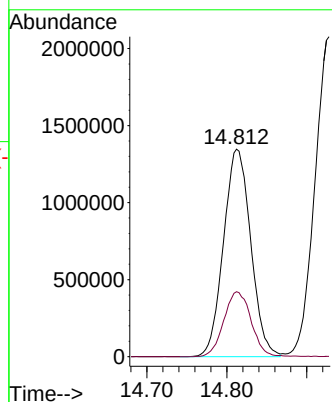
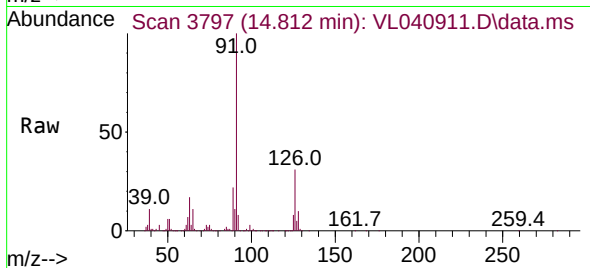




#71
2-Chlorotoluene
Concen: 10.243 ppbv
RT: 14.812 min Scan# 3189
Delta R.T. -0.006 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

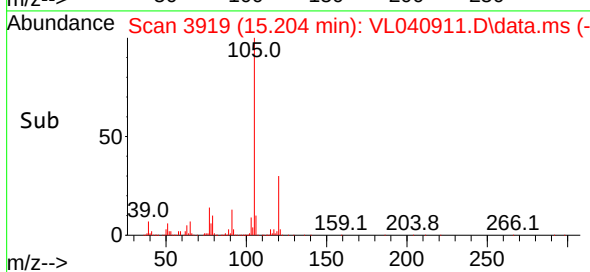
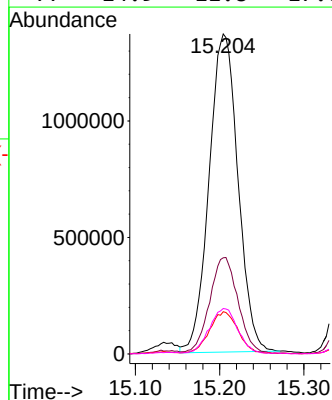
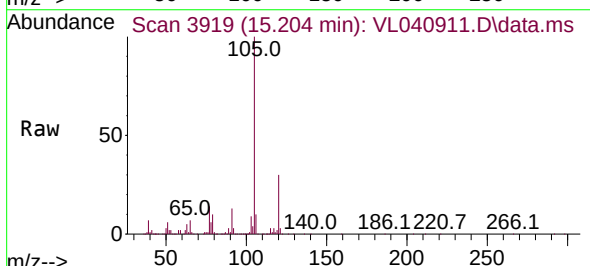
Instrument :
MSVOA_L
ClientSampleId :

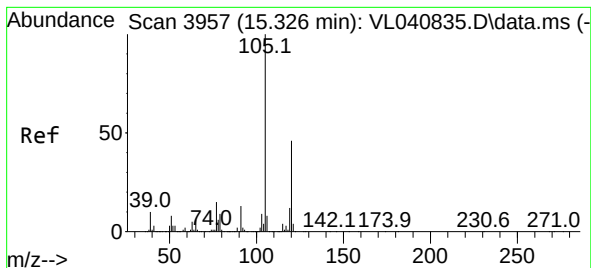
Tgt Ion: 91 Resp: 3189312
Ion Ratio Lower Upper
91 100
126 31.7 12.1 48.5



#72
4-Ethyltoluene
Concen: 10.690 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.000 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion:105 Resp: 3249006
Ion Ratio Lower Upper
105 100
120 31.2 24.5 36.7
91 13.4 10.6 16.0
77 14.9 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.458 ppbv

RT: 15.365 min Scan# 3957

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

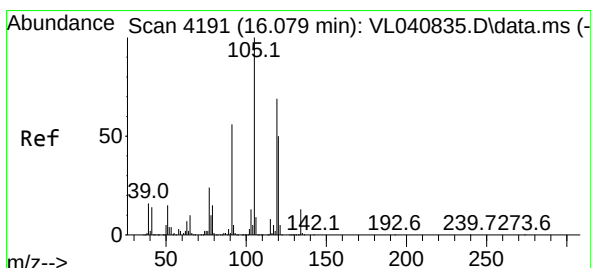
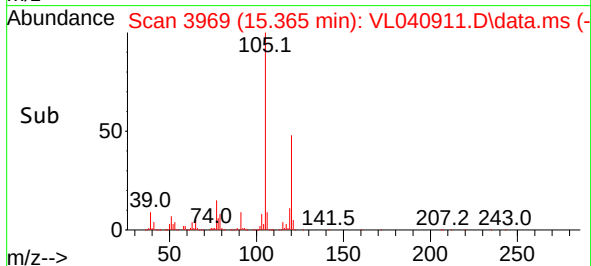
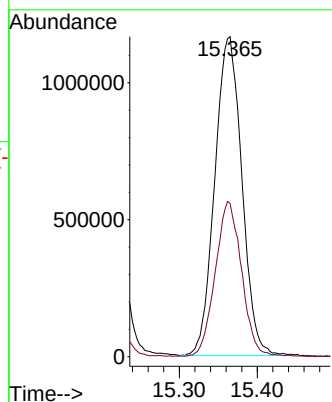
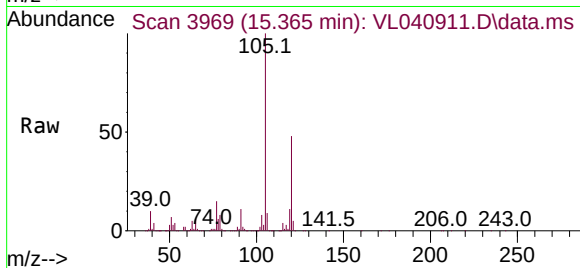
ClientSampleId :

Tgt Ion:105 Resp: 2810901

Ion Ratio Lower Upper

105 100

120 47.8 36.8 55.2



#74

1,2,4-Trimethylbenzene

Concen: 10.128 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. -0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Tgt Ion:105 Resp: 3037884

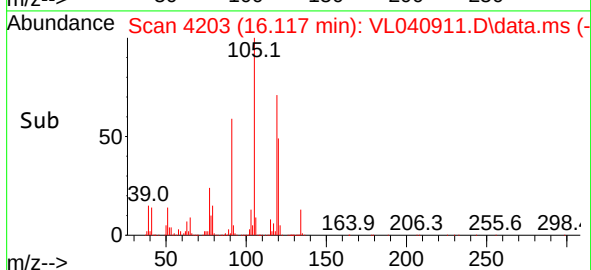
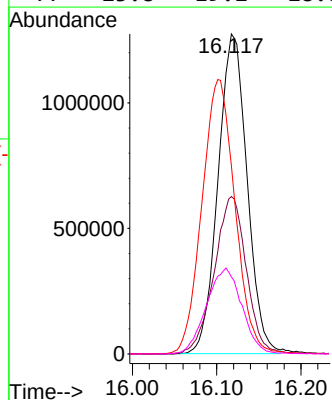
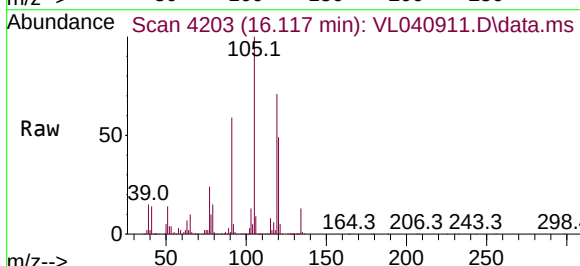
Ion Ratio Lower Upper

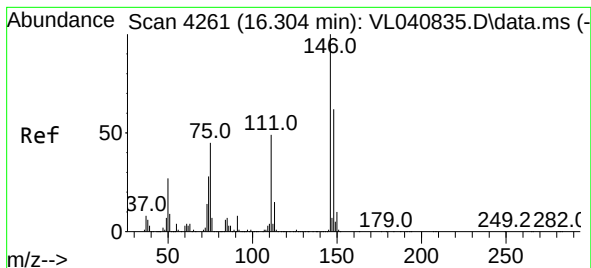
105 100

120 49.0 40.2 60.2

91 58.2 45.7 68.5

77 23.8 19.2 28.8





#75

1,3-Dichlorobenzene

Concen: 10.476 ppbv

RT: 16.342 min Scan# 4317

Delta R.T. -0.003 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

ClientSampleId :

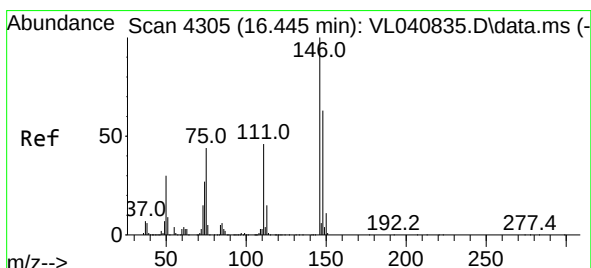
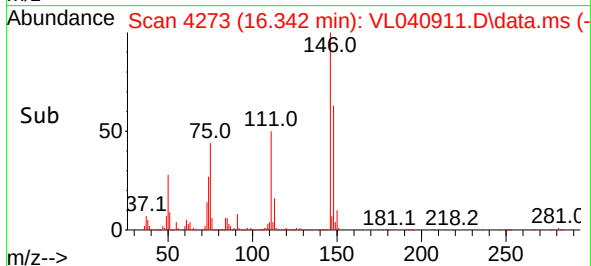
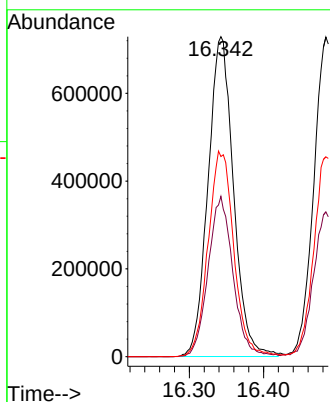
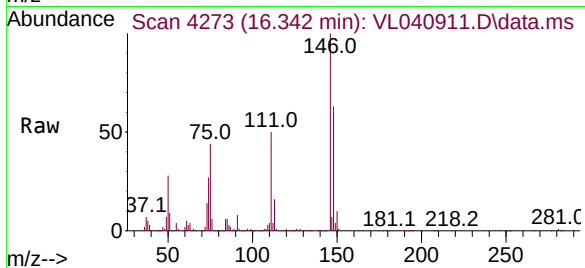
Tgt Ion:146 Resp: 1735161

Ion Ratio Lower Upper

146 100

111 48.9 24.9 74.8

148 65.2 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 10.859 ppbv

RT: 16.484 min Scan# 4317

Delta R.T. 0.000 min

Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

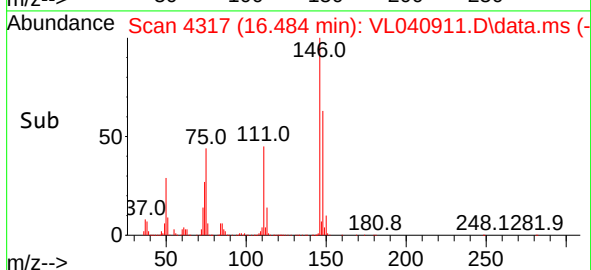
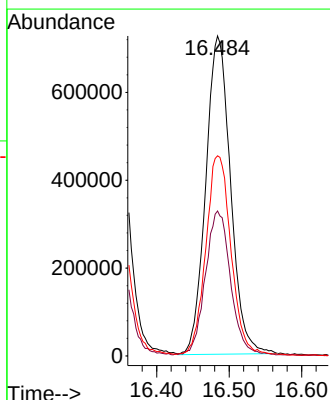
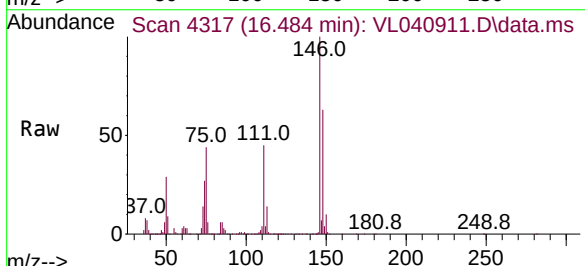
Tgt Ion:146 Resp: 1721899

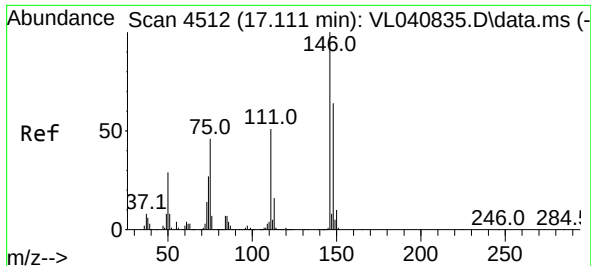
Ion Ratio Lower Upper

146 100

111 47.1 24.1 72.4

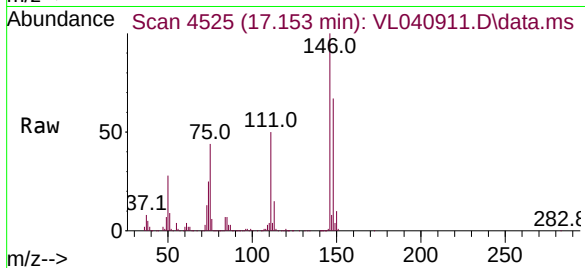
148 64.5 32.3 96.9



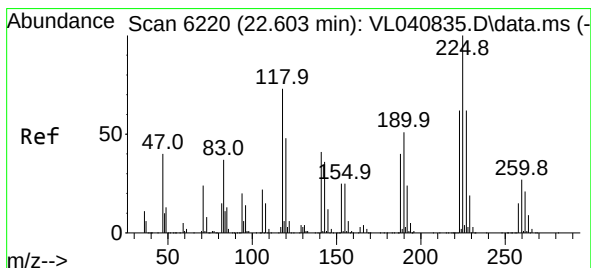
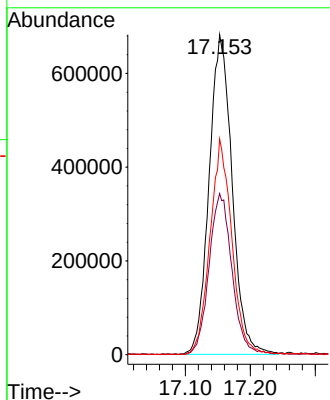
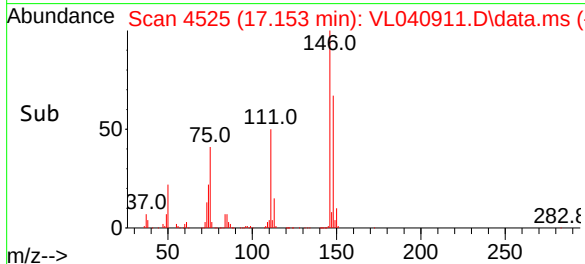


#77
1,2-Dichlorobenzene
Concen: 10.397 ppbv
RT: 17.153 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Instrument :
MSVOA_L
ClientSampleId :

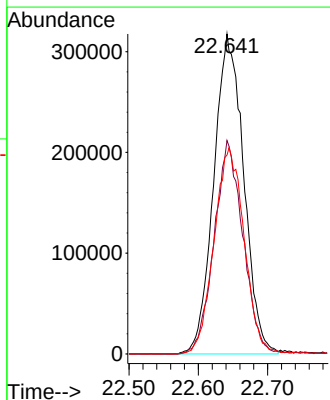
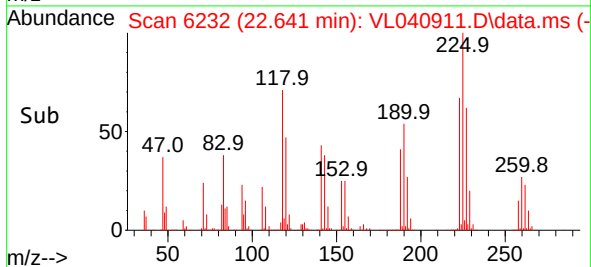
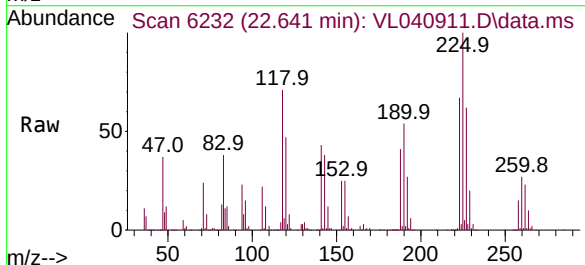


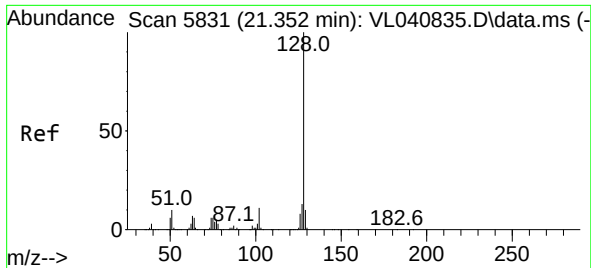
Tgt Ion:146 Resp: 1674364
Ion Ratio Lower Upper
146 100
111 50.3 25.7 77.1
148 64.0 32.3 96.9



#78
Hexachloro-1,3-Butadiene
Concen: 9.428 ppbv
RT: 22.641 min Scan# 6232
Delta R.T. -0.006 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion:225 Resp: 950722
Ion Ratio Lower Upper
225 100
223 64.8 51.1 76.7
227 65.0 50.8 76.2

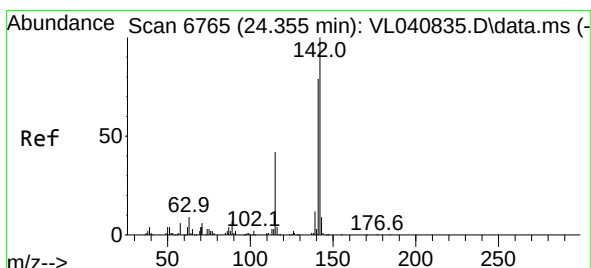
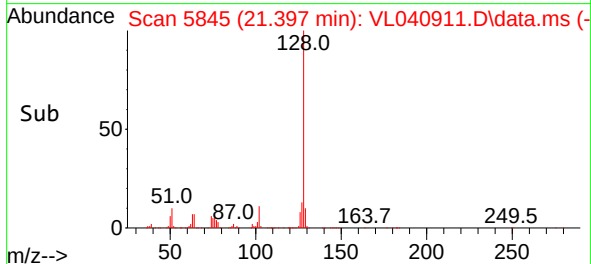
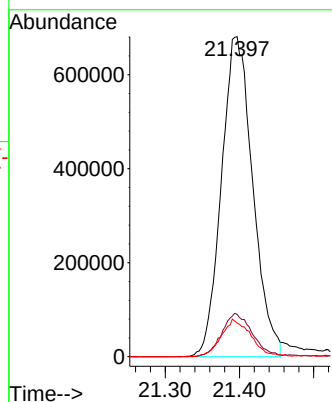
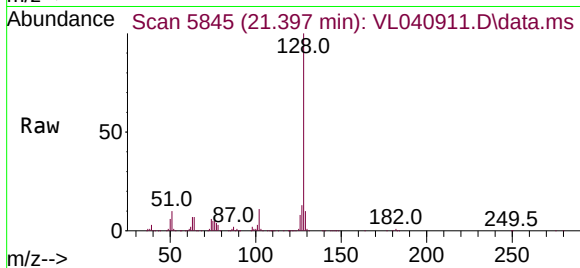




#79
Naphthalene
Concen: 12.946 ppbv
RT: 21.397 min Scan# 5845
Delta R.T. -0.003 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

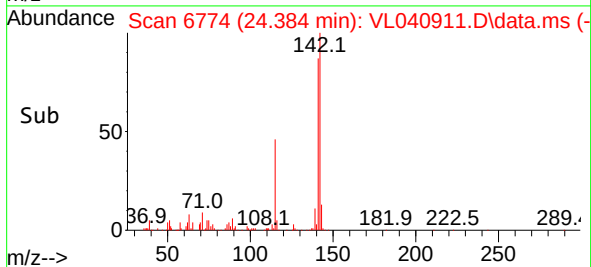
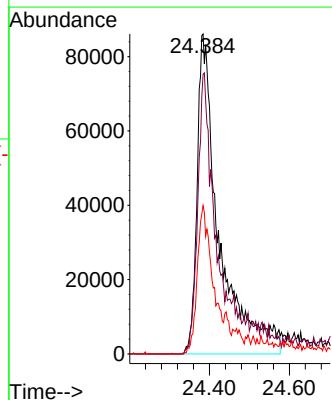
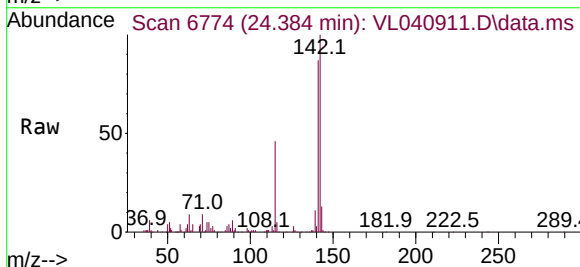
Instrument :
MSVOA_L
ClientSampleId :

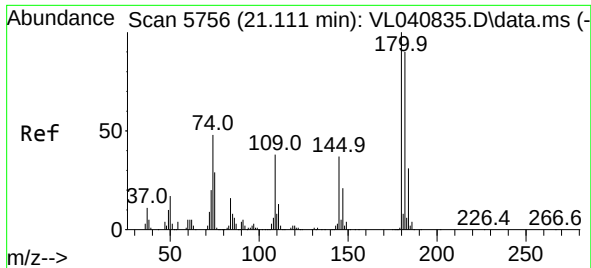
Tgt Ion:128 Resp: 1995934
Ion Ratio Lower Upper
128 100
127 13.2 10.0 15.0
129 10.5 8.3 12.5



#80
Naphthalene,2-methyl-
Concen: 12.162 ppbv
RT: 24.384 min Scan# 6774
Delta R.T. -0.006 min
Lab File: VL040911.D
Acq: 27 Nov 2023 17:18

Tgt Ion:142 Resp: 330986
Ion Ratio Lower Upper
142 100
141 74.5 65.8 98.8
115 39.3 35.6 53.4





#81

1,2,4-Trichlorobenzene

Concen: 10.726 ppbv

RT: 21.153 min Scan# 51

Delta R.T. -0.003 min

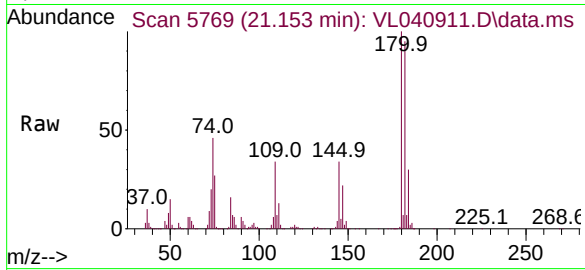
Lab File: VL040911.D

Acq: 27 Nov 2023 17:18

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1005332

Ion Ratio Lower Upper

180 100

182 101.9 77.6 116.4

184 32.1 24.2 36.2

