

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040707.D
 Acq On : 18 Sep 2023 20:23
 Operator : SY/MD
 Sample : 04403-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 19 05:21:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	942461	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2440519	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2217376	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1730899	10.103	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	104162	0.502	ppbv	95
3) Chlorodifluoromethane	2.652	51	694740	4.525	ppbv #	76
4) Chloromethane	2.813	50	47260	0.804	ppbv	94
9) Propene	2.870	41	606570	13.714	ppbv	92
10) Heptane	7.578	43	10769	0.108	ppbv #	26
11) Trichlorofluoromethane	3.568	101	53571	0.293	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.070	101	10511	0.080	ppbv	94
13) Ethanol	3.250	45	10882231	831.214	ppbv	97
15) Acetone	3.465	43	4826324	38.824	ppbv	98
16) 1,3-Butadiene	2.967	39	20704	0.382	ppbv #	64
17) tert-Butyl alcohol	3.899	59	66953	0.526	ppbv	98
19) Isopropyl Alcohol	3.591	45	1513550	20.206	ppbv #	98
20) Methylene Chloride	3.938	84	261326	3.906	ppbv	98
21) Allyl Chloride	3.951	41	5623	0.074	ppbv #	25
23) Vinyl Acetate	4.620	43	240137	1.868	ppbv #	1
25) Ethyl Acetate	5.214	43	801129	3.996	ppbv #	95
26) Hexane	5.218	57	591602	6.240	ppbv #	65
27) Carbon Disulfide	4.128	76	24557	0.186	ppbv #	33
29) Chloroform	5.282	83	87500	0.535	ppbv	99
30) Cyclohexane	6.607	84	2824	0.040	ppbv #	1
31) cis-1,2-Dichloroethene	5.205	61	54944	0.625	ppbv #	27
34) 2-Butanone	4.793	43	151923	1.238	ppbv	95
35) Carbon Tetrachloride	6.501	117	9146	0.055	ppbv	98
36) Benzene	6.375	78	151002	0.836	ppbv #	92
37) 1,2-Dichloroethane	5.809	62	5024	0.041	ppbv #	84
39) 1,2-Dichloropropane	6.661	63	634814	9.126	ppbv #	23
41) Tetrahydrofuran	5.565	42	4422	0.070	ppbv #	41
44) 2,2,4-Trimethylpentane	7.337	57	377240	1.311	ppbv #	87
53) Toluene	9.227	91	1166970	6.116	ppbv	99
58) Ethyl Benzene	12.095	91	70833	0.280	ppbv #	84
59) m/p-Xylene	12.359	91	136271	0.574	ppbv #	45
60) o-Xylene	13.069	91	94503	0.417	ppbv	98
61) Styrene	12.909	104	59467	0.627	ppbv	98
66) Benzyl Chloride	16.458	91	1486	0.042	ppbv #	57
69) p-Isopropyltoluene	17.005	119	80755	0.234	ppbv #	40
71) 2-Chlorotoluene	14.915	91	8657	0.034	ppbv #	63
73) 1,3,5-Trimethylbenzene	15.362	105	18383	0.080	ppbv #	80
74) 1,2,4-Trimethylbenzene	16.114	105	62378	0.224	ppbv #	59
75) 1,3-Dichlorobenzene	16.481	146	91455	0.576	ppbv	95
76) 1,4-Dichlorobenzene	16.481	146	91455	0.585	ppbv	96
79) Naphthalene	21.400	128	356708	2.057	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

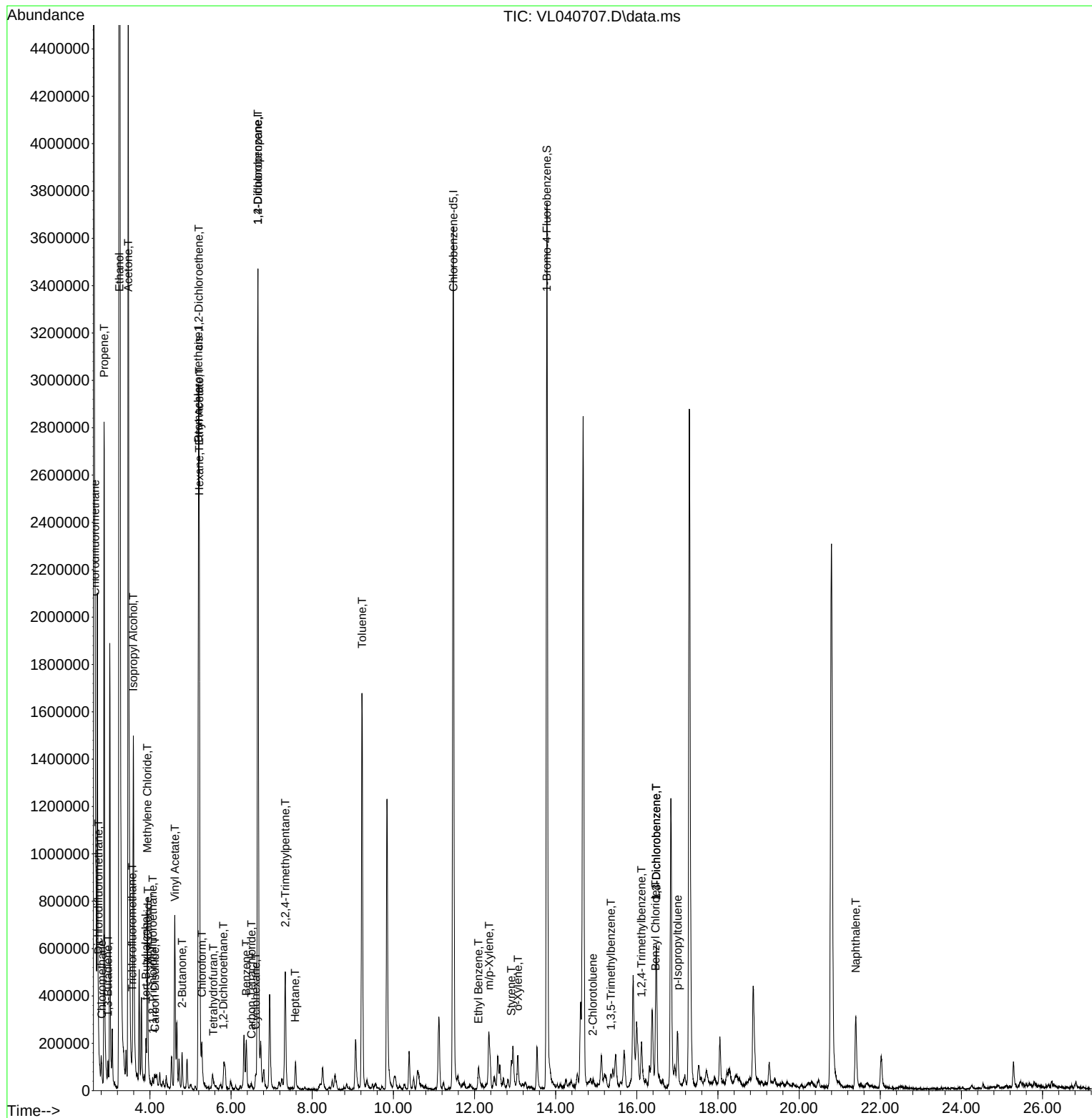
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

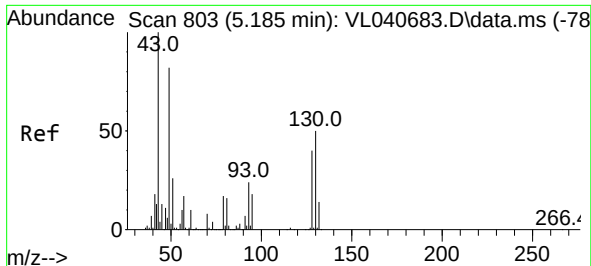
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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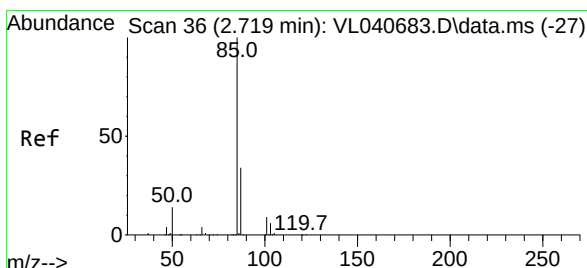
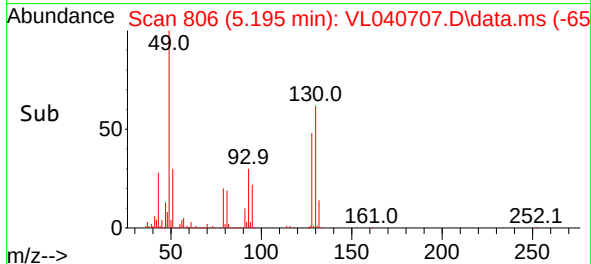
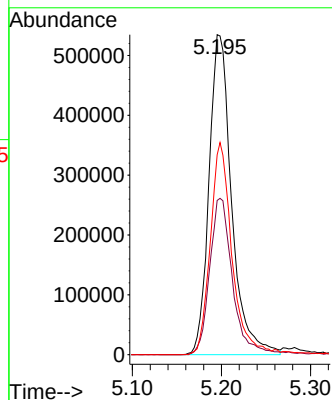
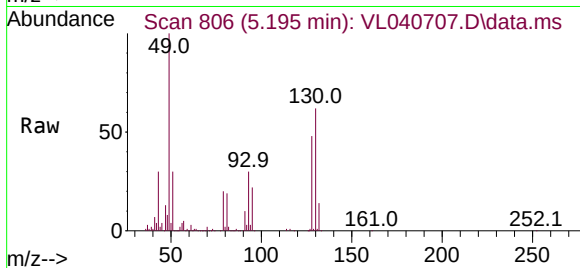




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VL040707.D
 Acq: 18 Sep 2023 20:23

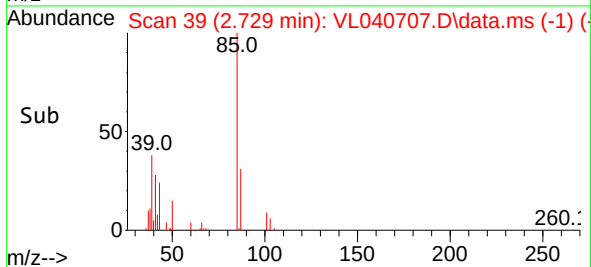
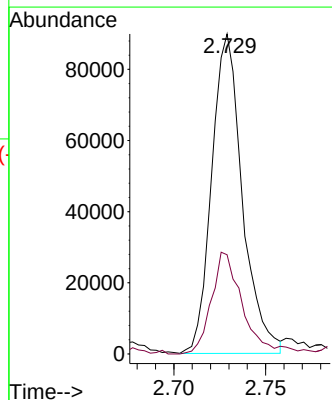
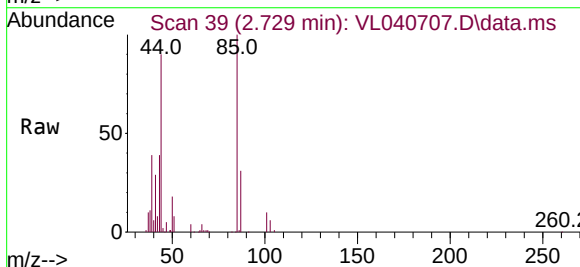
Instrument :
 MSVOA_L
 ClientSampleId :

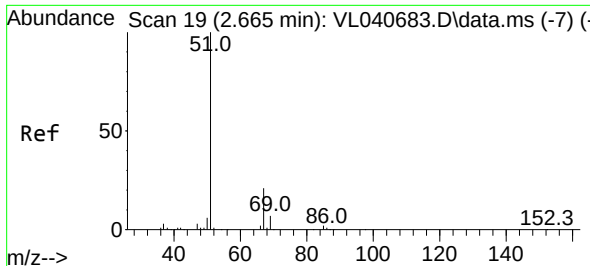
Tgt Ion: 49 Resp: 942461
 Ion Ratio Lower Upper
 49 100
 128 50.1 25.4 76.0
 130 64.7 32.3 96.8



#2
 Dichlorodifluoromethane
 Concen: 0.502 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. -0.003 min
 Lab File: VL040707.D
 Acq: 18 Sep 2023 20:23

Tgt Ion: 85 Resp: 104162
 Ion Ratio Lower Upper
 85 100
 87 31.1 27.2 40.8

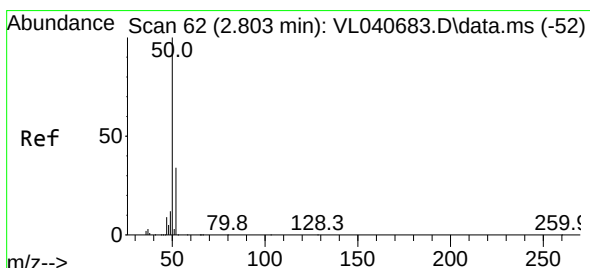
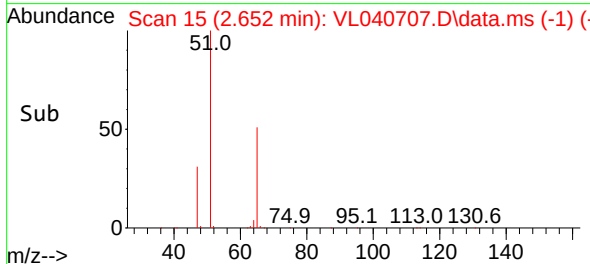
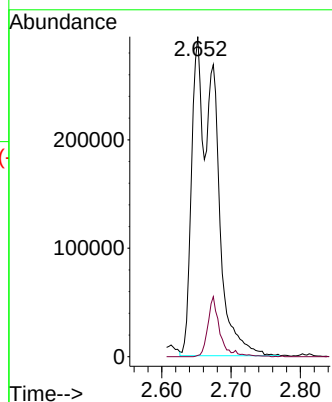
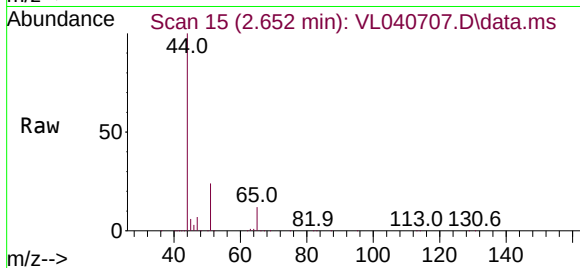




#3
Chlorodifluoromethane
Concen: 4.525 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

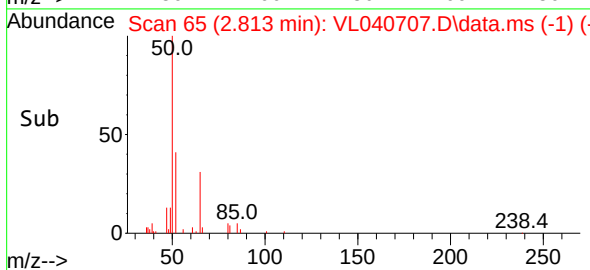
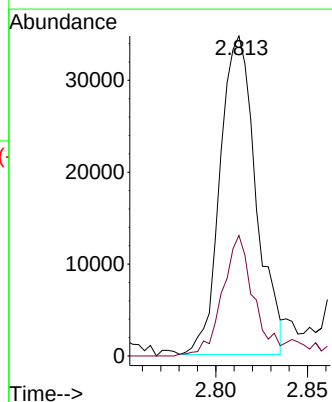
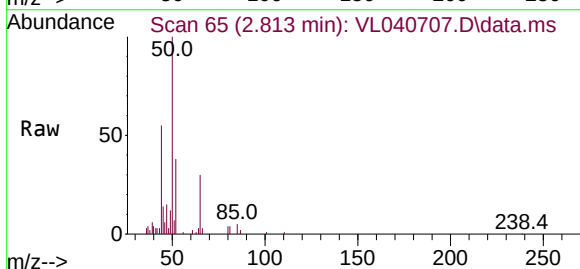
Instrument :
MSVOA_L
ClientSampleId :

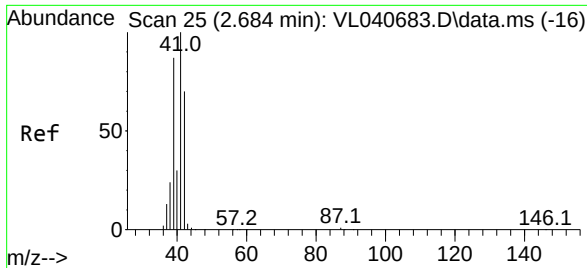
Tgt Ion: 51 Resp: 694740
Ion Ratio Lower Upper
51 100
67 9.7 16.7 25.1#



#4
Chloromethane
Concen: 0.804 ppbv
RT: 2.813 min Scan# 65
Delta R.T. -0.003 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 50 Resp: 47260
Ion Ratio Lower Upper
50 100
52 37.2 27.1 40.7

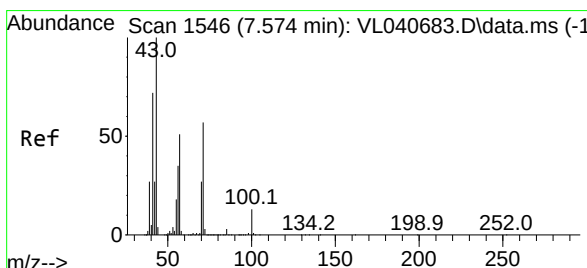
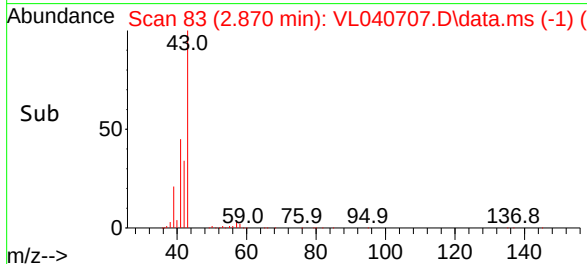
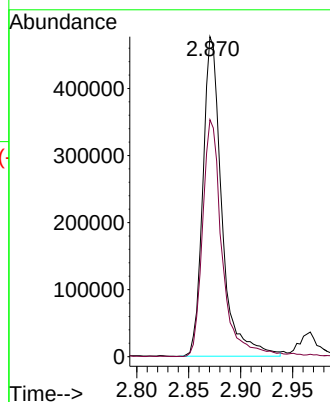
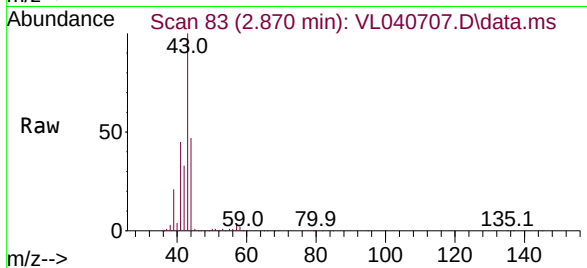




#9
 Propene
 Concen: 13.714 ppbv
 RT: 2.870 min Scan# 81
 Delta R.T. 0.174 min
 Lab File: VL040707.D
 Acq: 18 Sep 2023 20:23

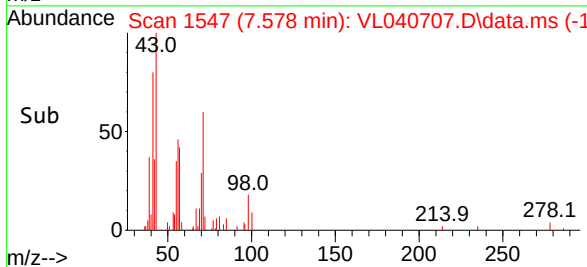
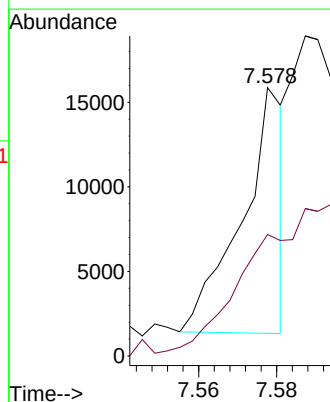
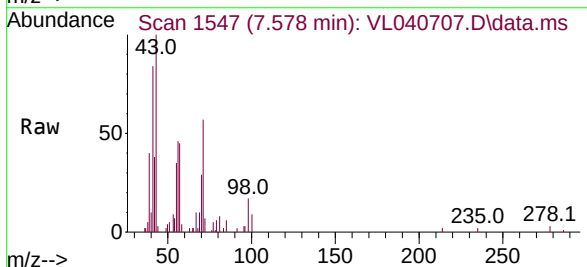
Instrument :
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 ClientSampleId :

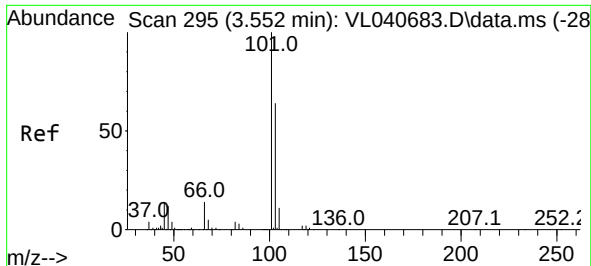
Tgt Ion: 41 Resp: 606570
 Ion Ratio Lower Upper
 41 100
 42 77.4 56.7 85.1



#10
 Heptane
 Concen: 0.108 ppbv
 RT: 7.578 min Scan# 1547
 Delta R.T. -0.009 min
 Lab File: VL040707.D
 Acq: 18 Sep 2023 20:23

Tgt Ion: 43 Resp: 10769
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.8 62.6#

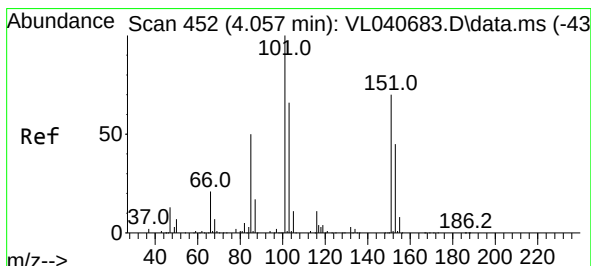
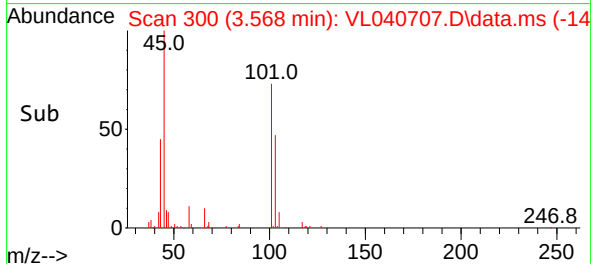
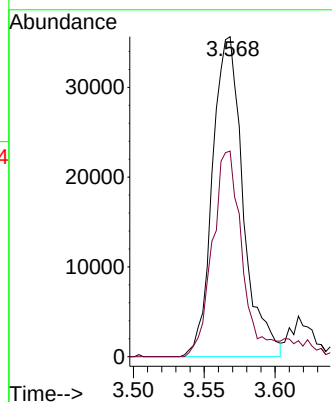
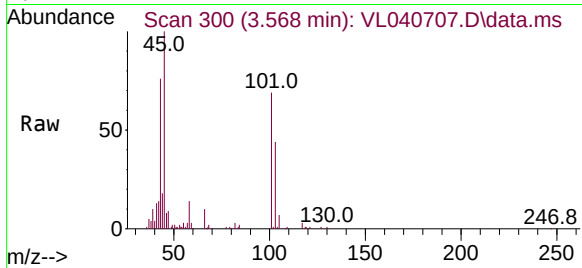




#11
 Trichlorofluoromethane
 Concen: 0.293 ppbv
 RT: 3.568 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VL040707.D
 Acq: 18 Sep 2023 20:23

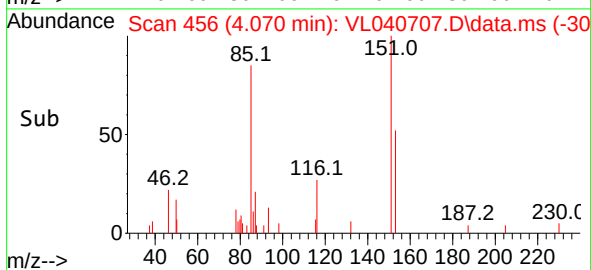
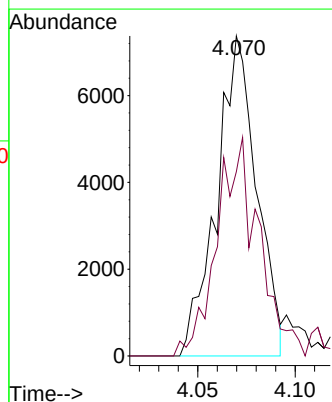
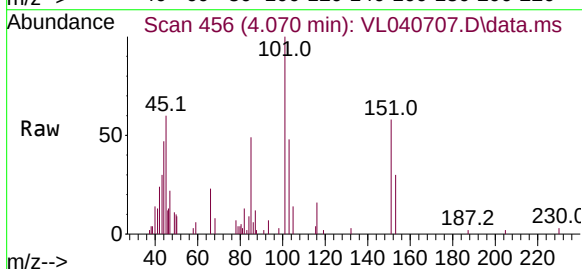
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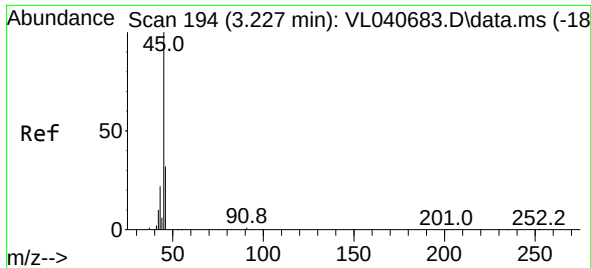
Tgt Ion:101 Resp: 53571
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.080 ppbv
 RT: 4.070 min Scan# 456
 Delta R.T. -0.003 min
 Lab File: VL040707.D
 Acq: 18 Sep 2023 20:23

Tgt Ion:101 Resp: 10511
 Ion Ratio Lower Upper
 101 100
 151 75.7 56.8 85.2

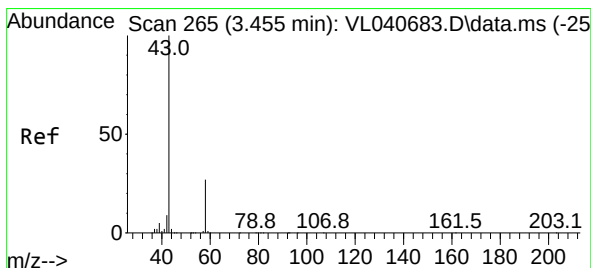
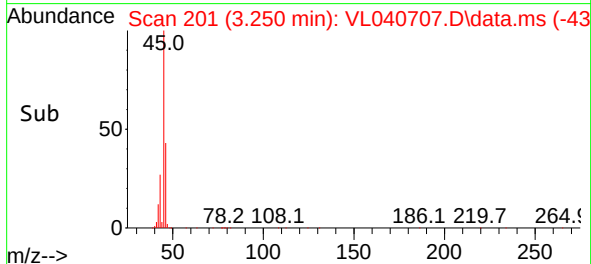
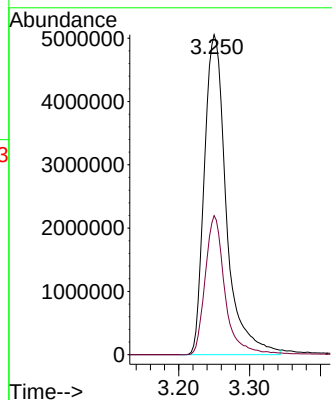
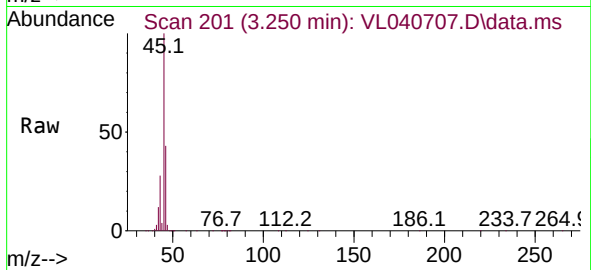




#13
Ethanol
Concen: 831.214 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.007 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

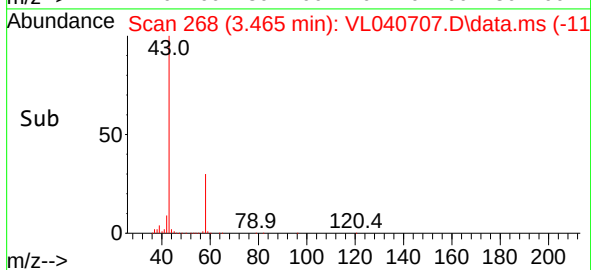
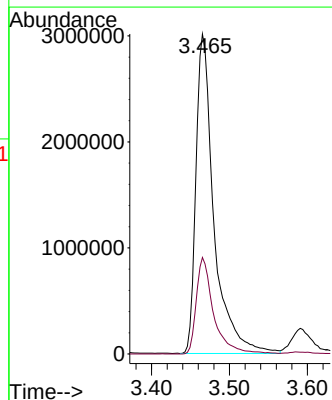
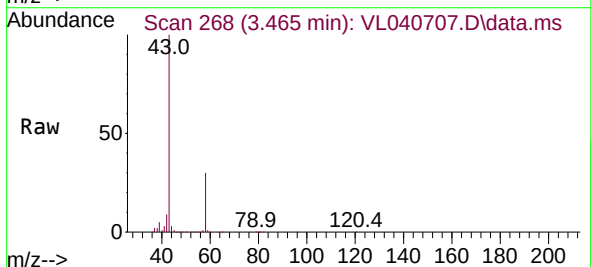
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ClientSampleId :

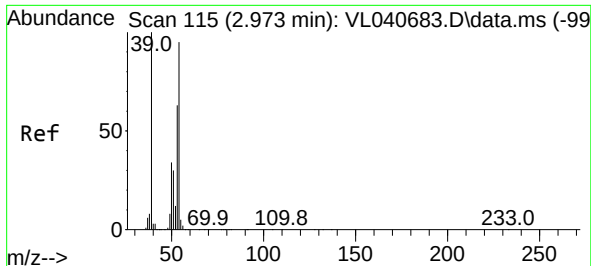
Tgt Ion: 45 Resp:10882231
Ion Ratio Lower Upper
45 100
46 39.7 15.2 61.0



#15
Acetone
Concen: 38.824 ppbv
RT: 3.465 min Scan# 268
Delta R.T. -0.006 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 43 Resp: 4826324
Ion Ratio Lower Upper
43 100
58 29.3 22.6 34.0

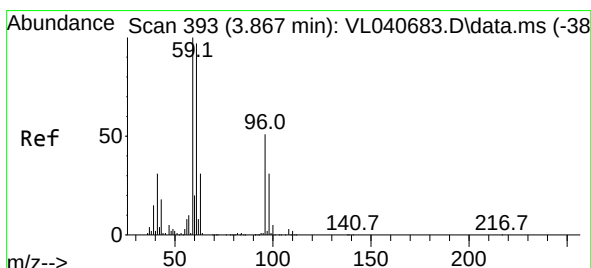
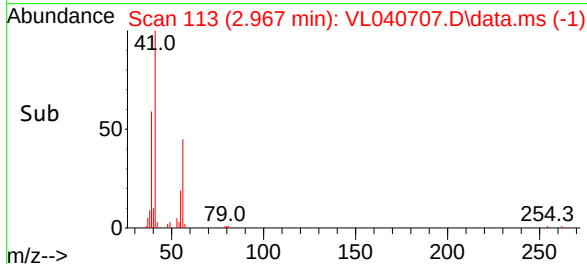
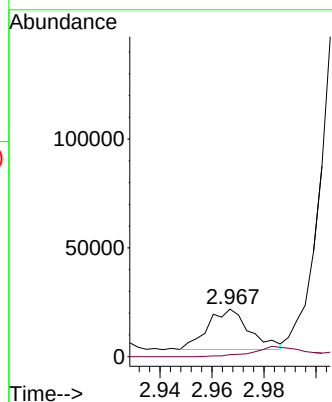
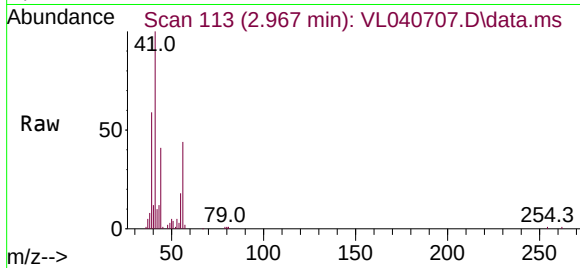




#16
1,3-Butadiene
Concen: 0.382 ppbv
RT: 2.967 min Scan# 115
Delta R.T. -0.022 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

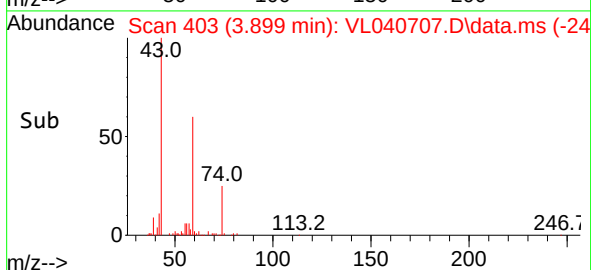
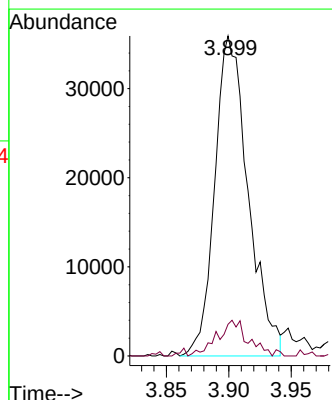
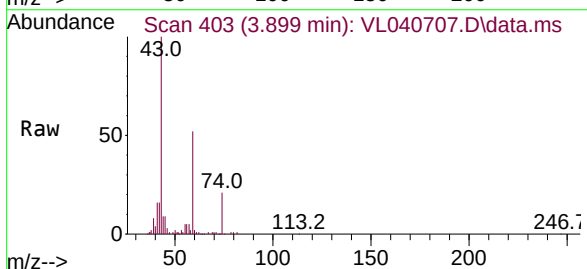
Instrument :
MSVOA_L
ClientSampleId :

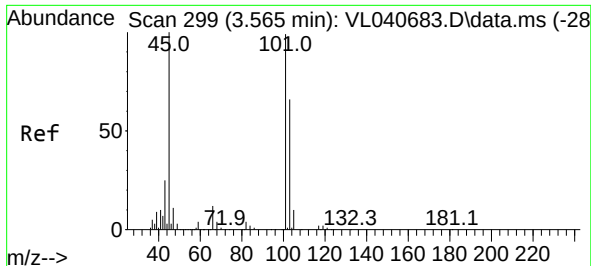
Tgt Ion: 39 Resp: 20704
Ion Ratio Lower Upper
39 100
54 48.8 64.8 97.2#



#17
tert-Butyl alcohol
Concen: 0.526 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.016 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 59 Resp: 66953
Ion Ratio Lower Upper
59 100
57 11.7 8.7 13.1





#19

Isopropyl Alcohol

Concen: 20.206 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.013 min

Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

Instrument :

MSVOA_L

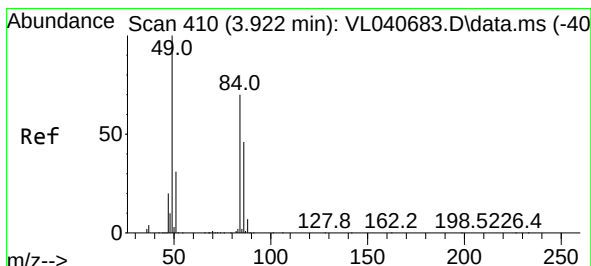
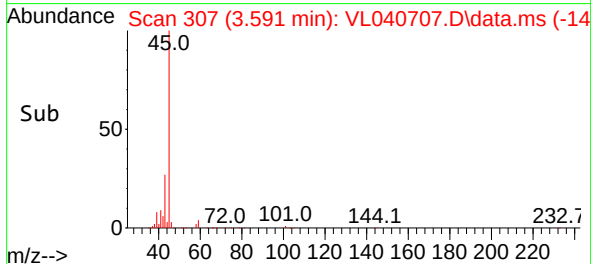
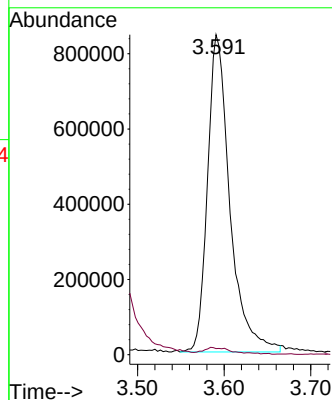
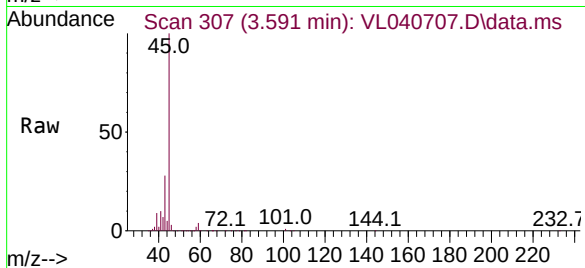
ClientSampleId :

Tgt Ion: 45 Resp: 1513550

Ion Ratio Lower Upper

45 100

58 3.0 1.9 2.9#



#20

Methylene Chloride

Concen: 3.906 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.000 min

Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

Tgt Ion: 84 Resp: 261326

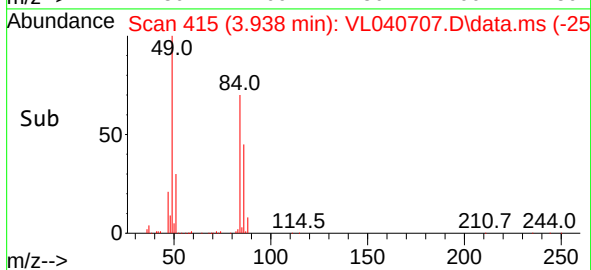
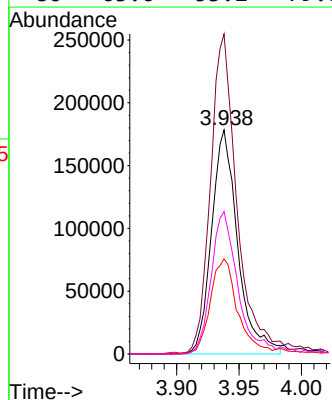
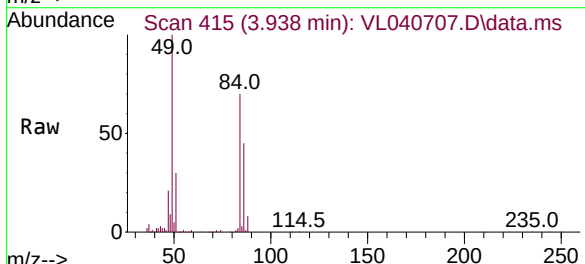
Ion Ratio Lower Upper

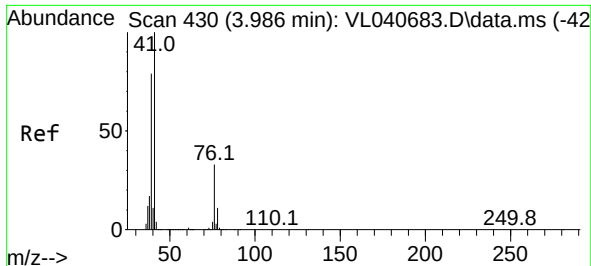
84 100

49 142.1 114.4 171.6

51 42.0 35.5 53.3

86 63.6 53.2 79.8





#21

Allyl Chloride

Concen: 0.074 ppbv

RT: 3.951 min Scan# 41

Delta R.T. -0.051 min

Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

Instrument :

MSVOA_L

ClientSampleId :

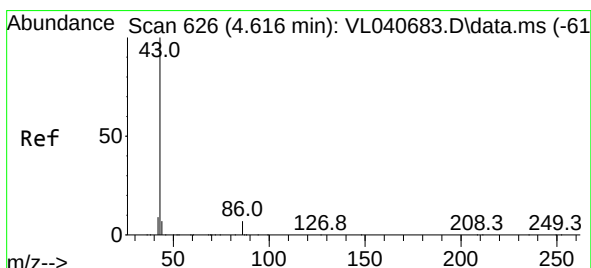
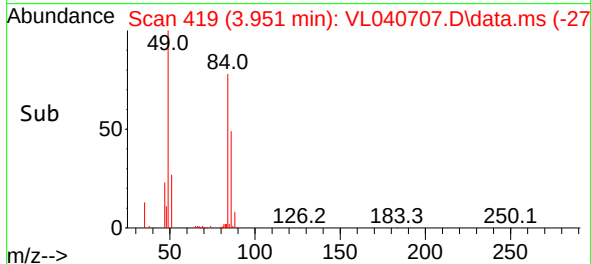
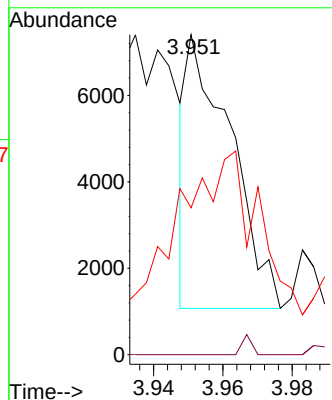
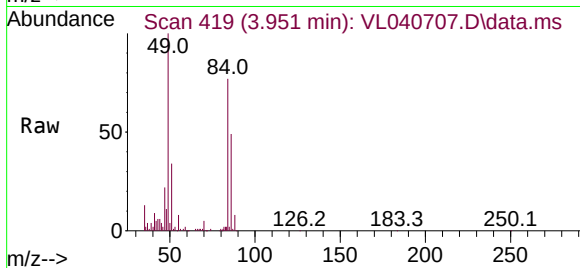
Tgt Ion: 41 Resp: 5623

Ion Ratio Lower Upper

41 100

76 0.0 26.6 40.0#

39 154.0 65.0 97.4#



#23

Vinyl Acetate

Concen: 1.868 ppbv

RT: 4.620 min Scan# 627

Delta R.T. -0.013 min

Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

Tgt Ion: 43 Resp: 240137

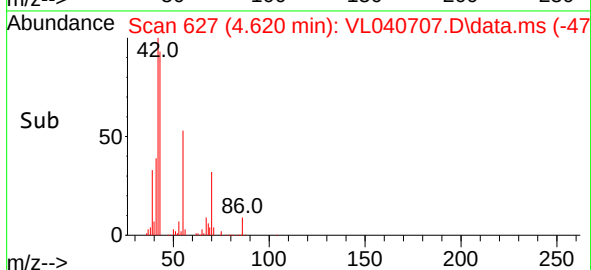
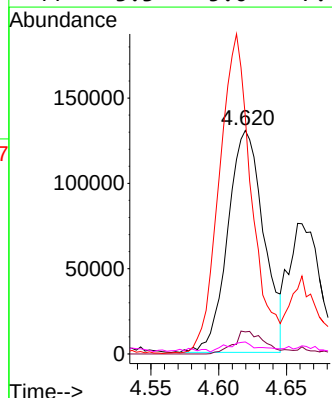
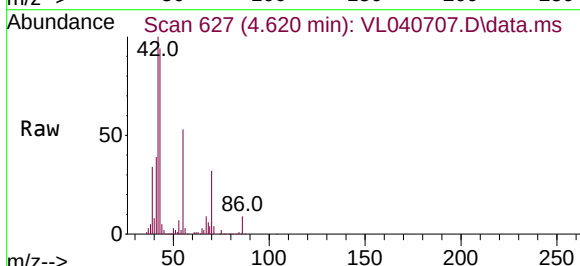
Ion Ratio Lower Upper

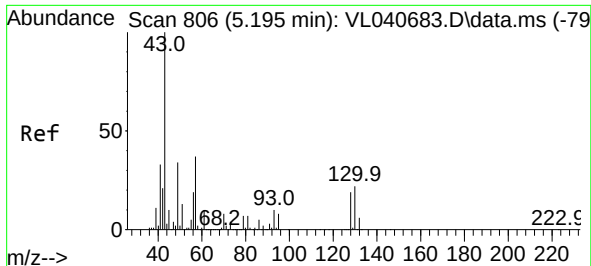
43 100

86 9.9 5.6 8.4#

42 105.6 7.6 11.4#

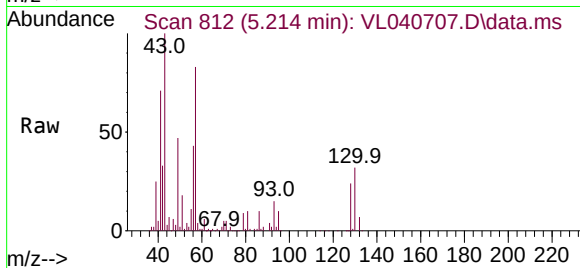
44 3.3 5.0 7.4#





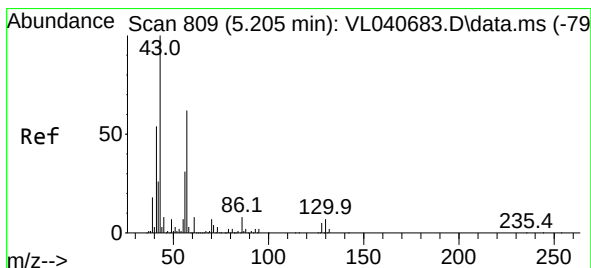
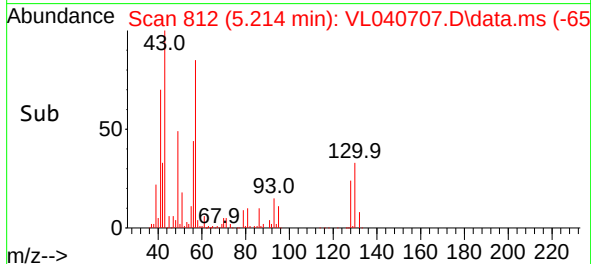
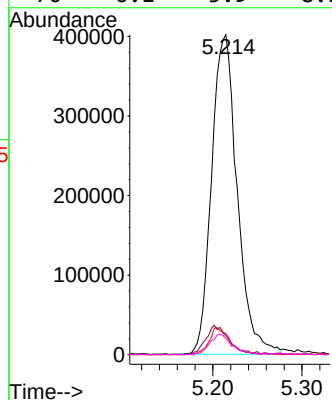
#25
Ethyl Acetate
Concen: 3.996 ppbv
RT: 5.214 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 801129

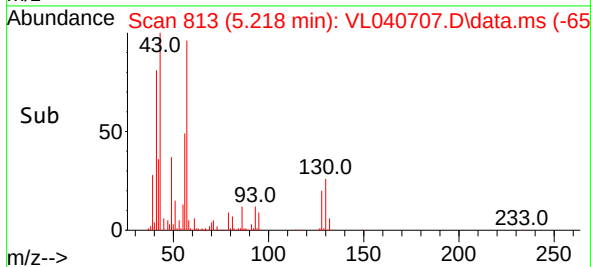
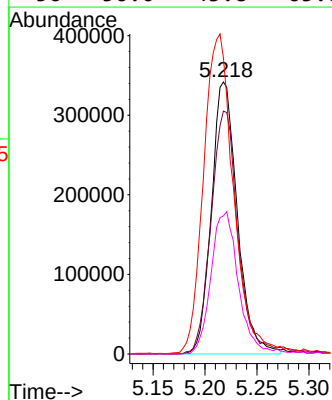
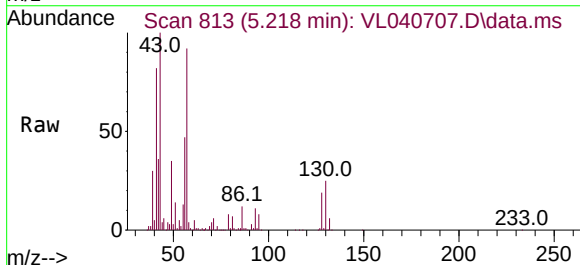
Ion	Ratio	Lower	Upper
43	100		
45	9.0	8.2	12.4
61	7.0	8.2	12.4#
70	6.1	5.9	8.9

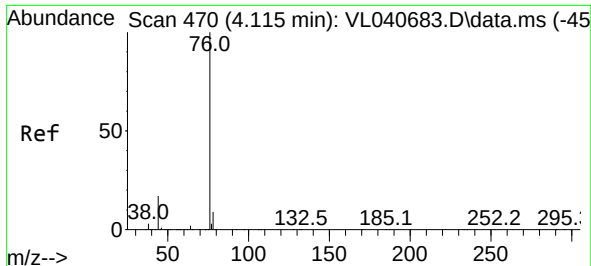


#26
Hexane
Concen: 6.240 ppbv
RT: 5.218 min Scan# 813
Delta R.T. -0.003 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 57 Resp: 591602

Ion	Ratio	Lower	Upper
57	100		
41	94.8	75.2	112.8
43	137.6	185.6	278.4#
56	56.0	43.8	65.8

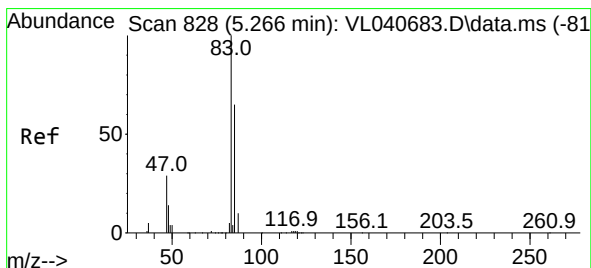
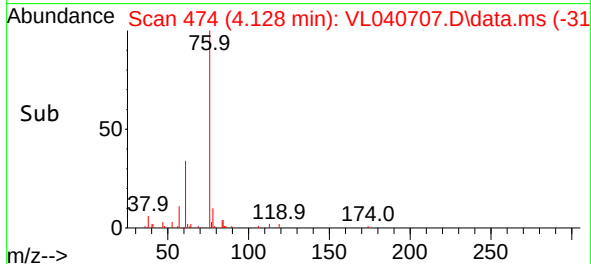
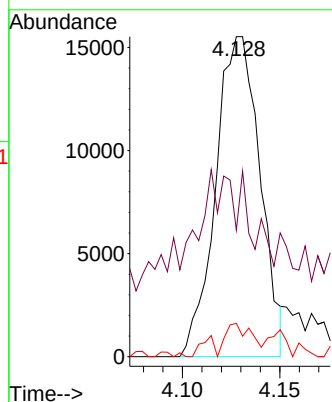
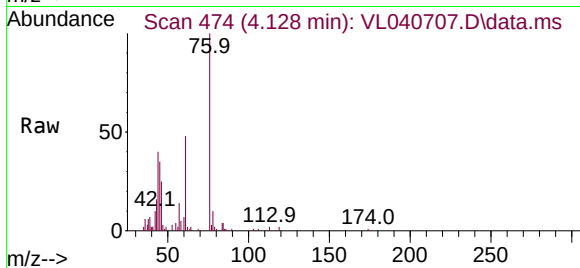




#27
Carbon Disulfide
Concen: 0.186 ppbv
RT: 4.128 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

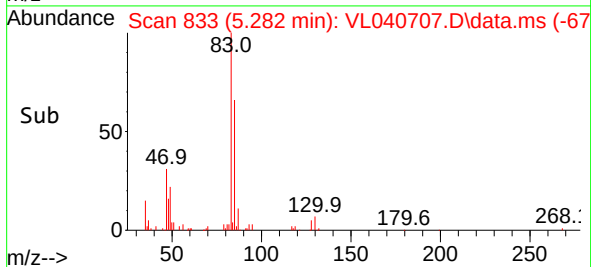
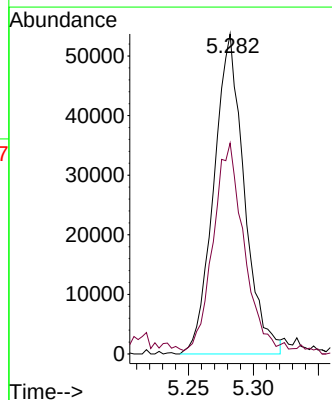
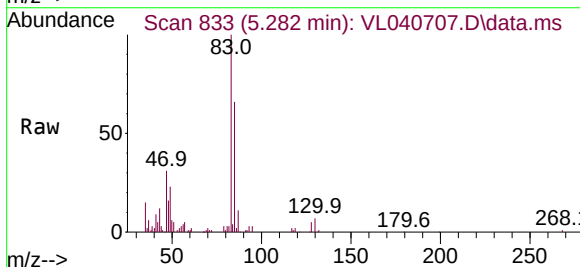
Instrument :
MSVOA_L
ClientSampleId :

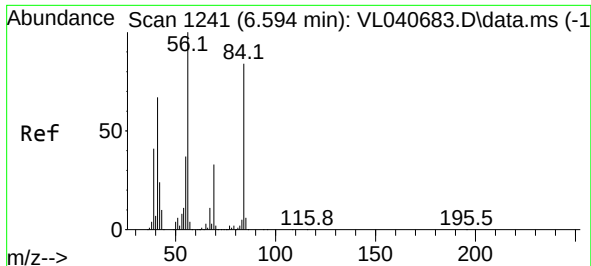
Tgt Ion: 76 Resp: 24557
Ion Ratio Lower Upper
76 100
44 63.1 14.5 21.7#
78 8.4 7.7 11.5



#29
Chloroform
Concen: 0.535 ppbv
RT: 5.282 min Scan# 833
Delta R.T. 0.000 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 83 Resp: 87500
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.8

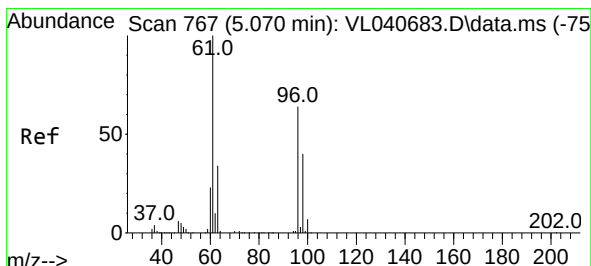
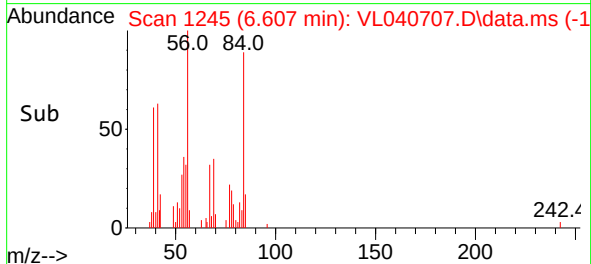
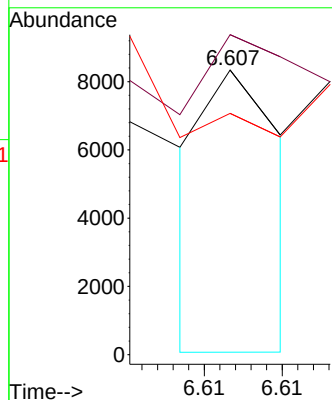
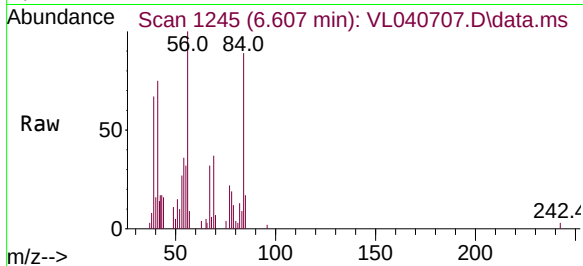




#30
Cyclohexane
Concen: 0.040 ppbv
RT: 6.607 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

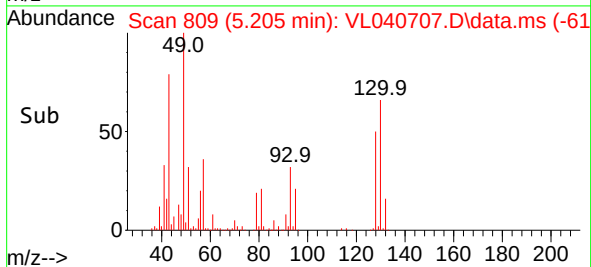
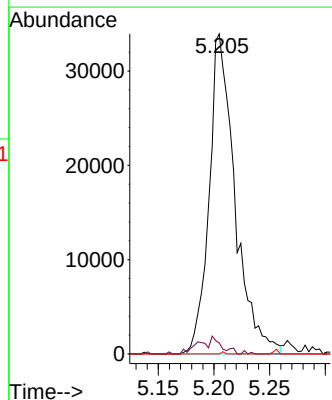
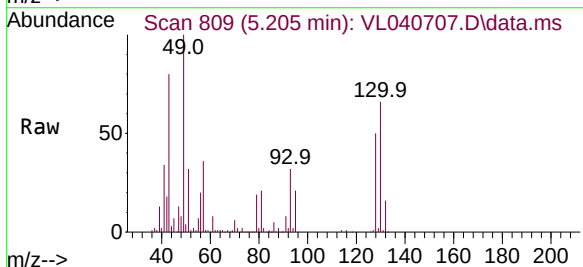
Instrument :
MSVOA_L
ClientSampleId :

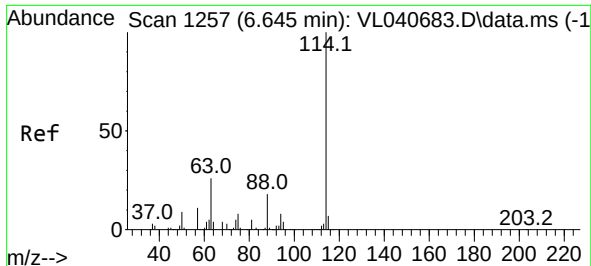
Tgt Ion: 84 Resp: 2824
Ion Ratio Lower Upper
84 100
56 564.9 103.2 154.8#
41 0.0 65.5 98.3#



#31
cis-1,2-Dichloroethene
Concen: 0.625 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.119 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 61 Resp: 54944
Ion Ratio Lower Upper
61 100
96 3.4 51.2 76.8#
98 0.0 32.3 48.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

Instrument :

MSVOA_L

ClientSampleId :

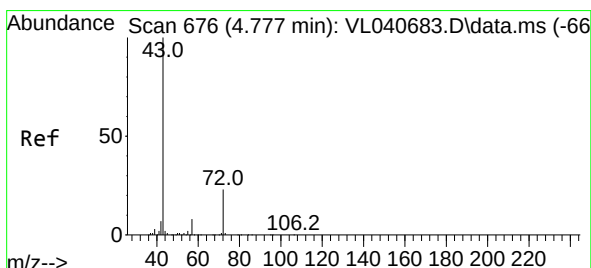
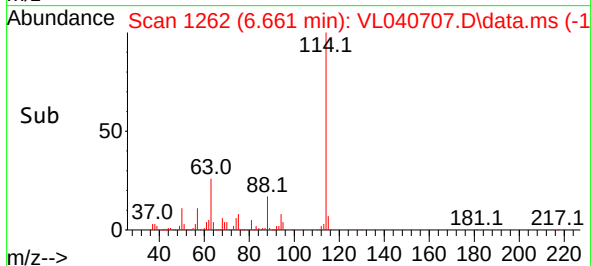
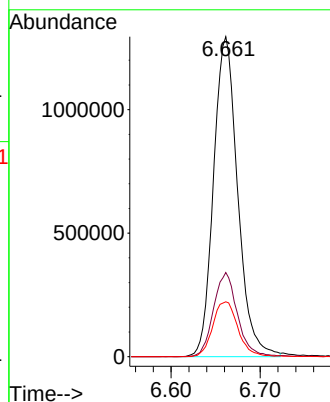
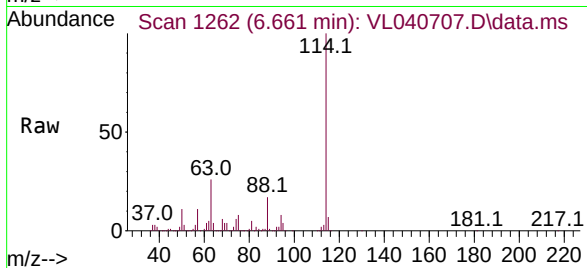
Tgt Ion:114 Resp: 2440519

Ion Ratio Lower Upper

114 100

63 26.4 21.1 31.7

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 1.238 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.003 min

Lab File: VL040707.D

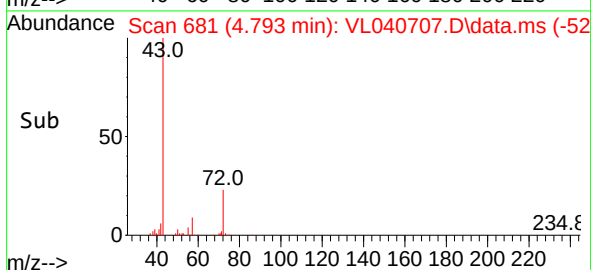
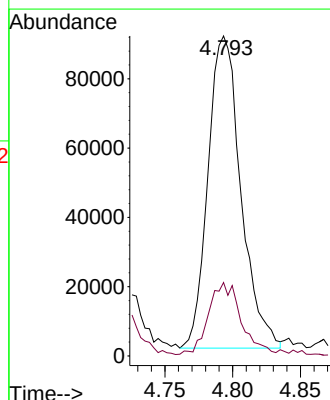
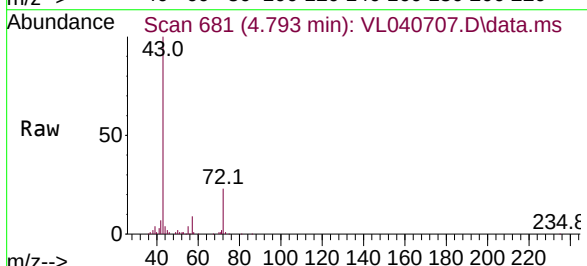
Acq: 18 Sep 2023 20:23

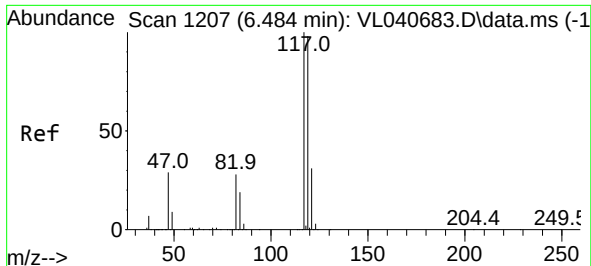
Tgt Ion: 43 Resp: 151923

Ion Ratio Lower Upper

43 100

72 25.5 18.6 27.8

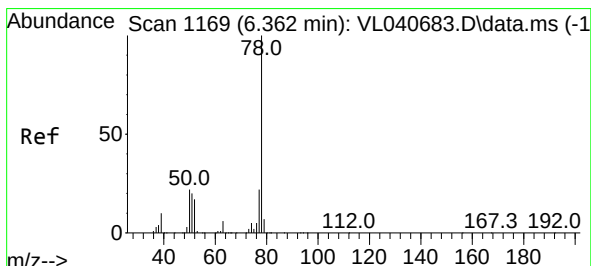
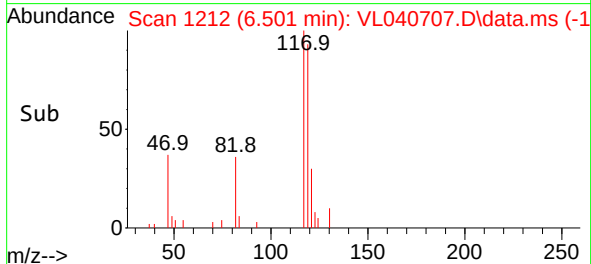
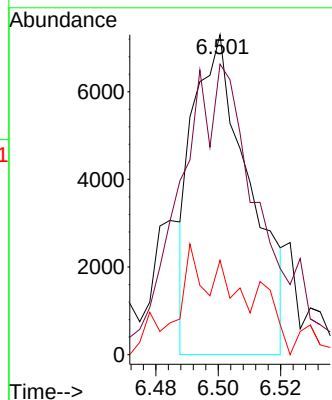
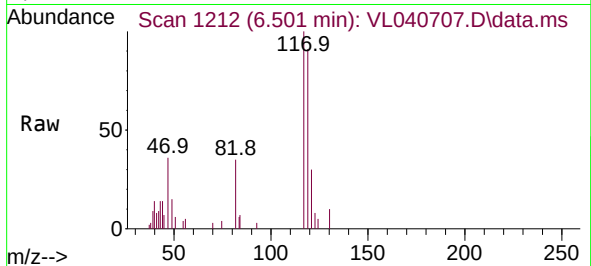




#35
Carbon Tetrachloride
Concen: 0.055 ppbv
RT: 6.501 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

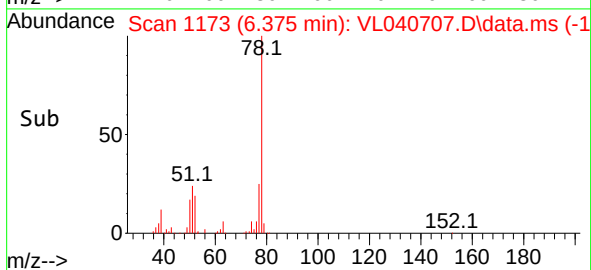
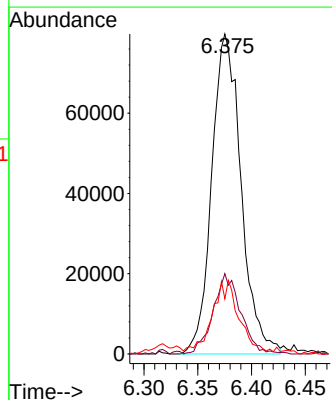
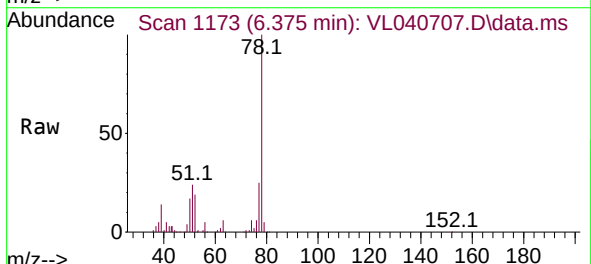
Instrument :
MSVOA_L
ClientSampleId :

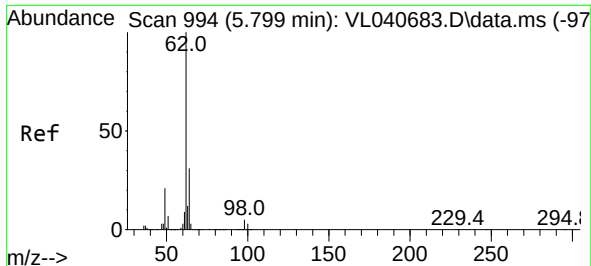
Tgt Ion:117 Resp: 9146
Ion Ratio Lower Upper
117 100
119 95.9 78.6 117.8
121 30.2 24.7 37.1



#36
Benzene
Concen: 0.836 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 78 Resp: 151002
Ion Ratio Lower Upper
78 100
77 24.6 17.9 26.9
50 16.5 17.3 25.9#





#37

1,2-Dichloroethane

Concen: 0.041 ppbv

RT: 5.809 min Scan# 91

Delta R.T. -0.006 min

Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

Instrument :

MSVOA_L

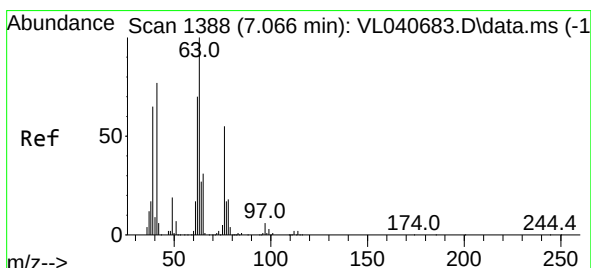
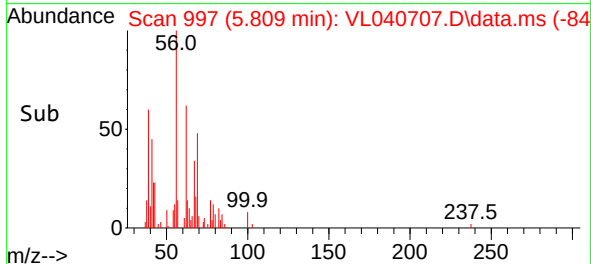
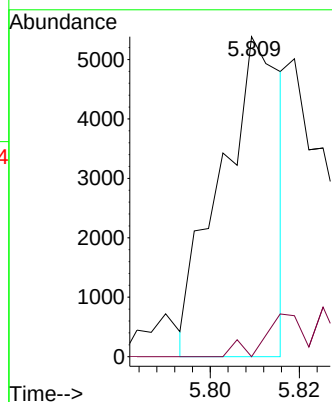
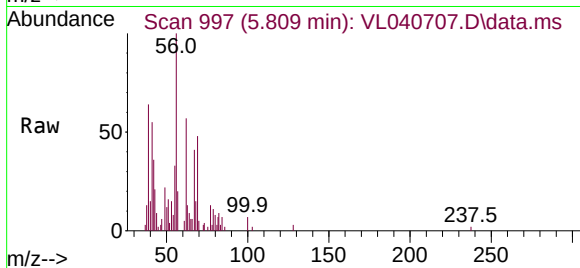
ClientSampleId :

Tgt Ion: 62 Resp: 5024

Ion Ratio Lower Upper

62 100

98 0.0 4.2 6.4#



#39

1,2-Dichloropropane

Concen: 9.126 ppbv

RT: 6.661 min Scan# 1262

Delta R.T. -0.421 min

Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

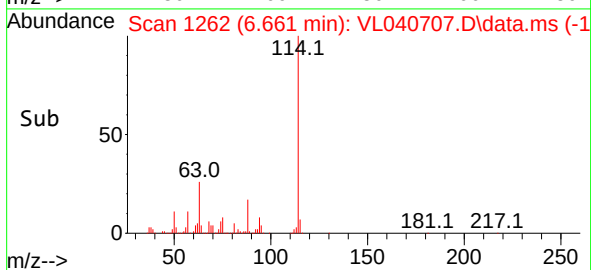
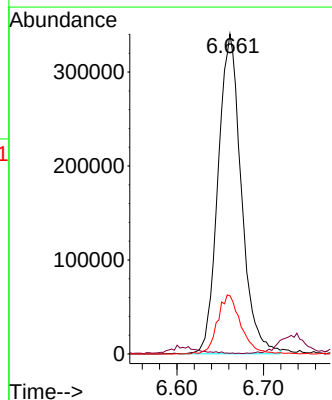
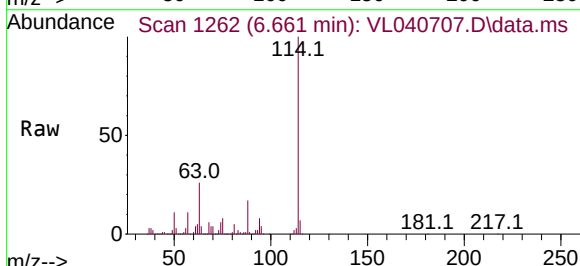
Tgt Ion: 63 Resp: 634814

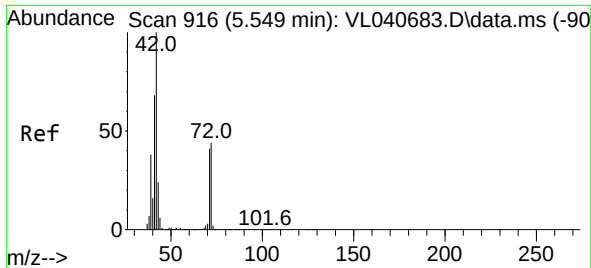
Ion Ratio Lower Upper

63 100

41 0.0 61.6 92.4#

62 18.1 55.8 83.8#

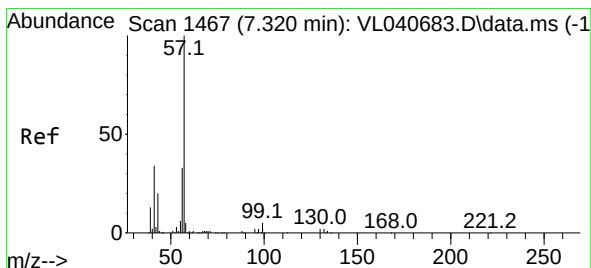
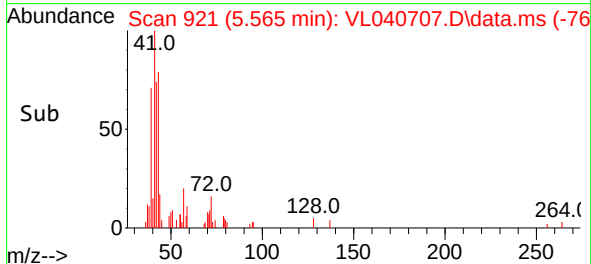
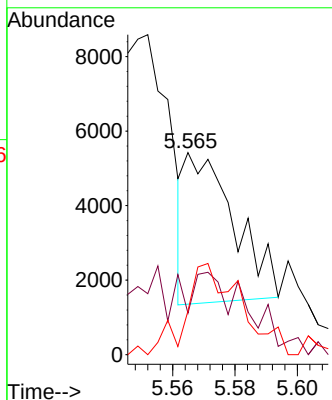
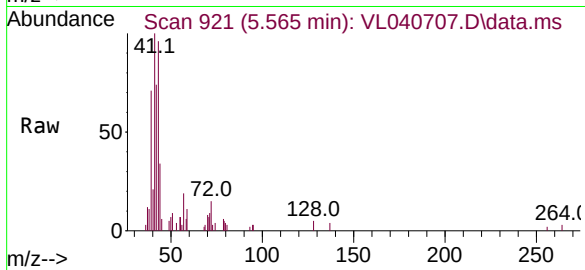




#41
Tetrahydrofuran
Concen: 0.070 ppbv
RT: 5.565 min Scan# 916
Delta R.T. 0.003 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

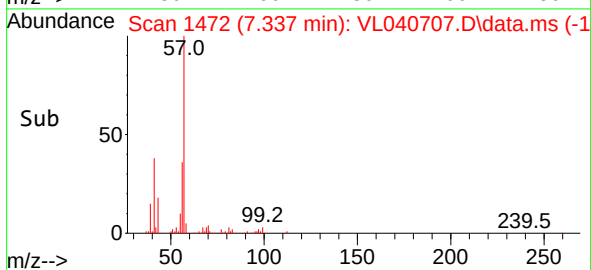
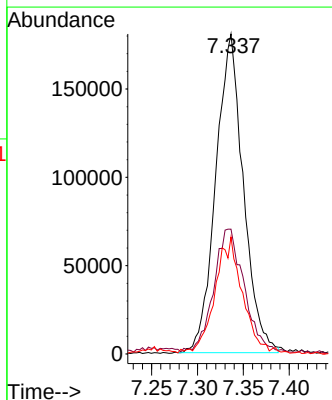
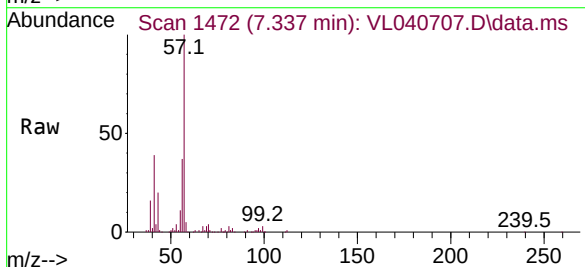
Instrument :
MSVOA_L
ClientSampleId :

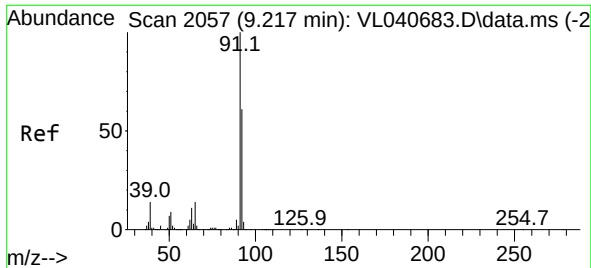
Tgt Ion: 42 Resp: 4422
Ion Ratio Lower Upper
42 100
72 0.0 34.9 52.3#
71 74.0 33.8 50.8#



#44
2,2,4-Trimethylpentane
Concen: 1.311 ppbv
RT: 7.337 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 57 Resp: 377240
Ion Ratio Lower Upper
57 100
41 44.6 28.5 42.7#
56 37.0 25.4 38.2

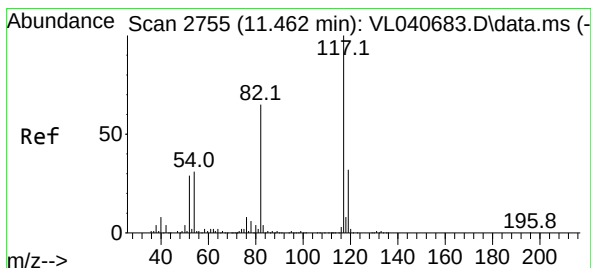
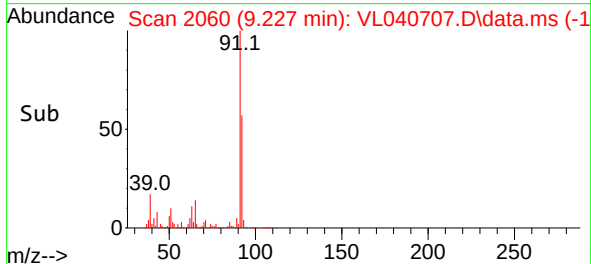
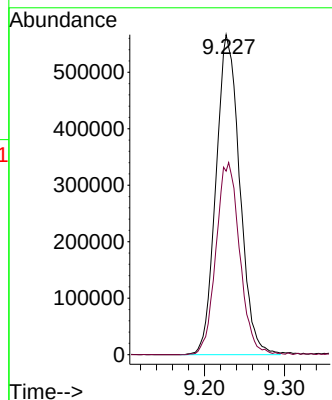
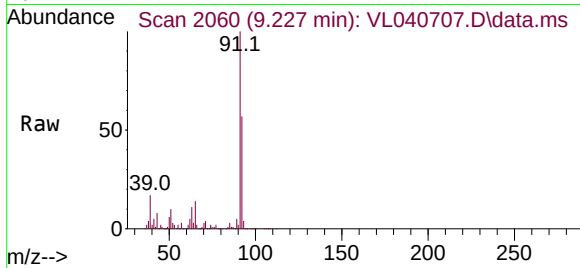




#53
Toluene
Concen: 6.116 ppbv
RT: 9.227 min Scan# 2057
Delta R.T. -0.003 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

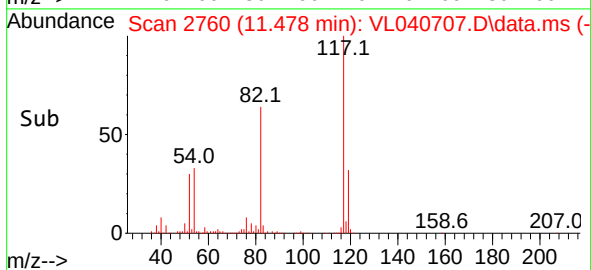
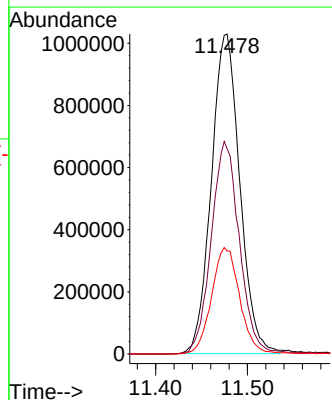
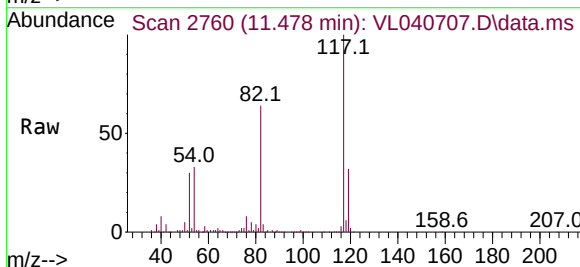
Instrument :
MSVOA_L
ClientSampleId :

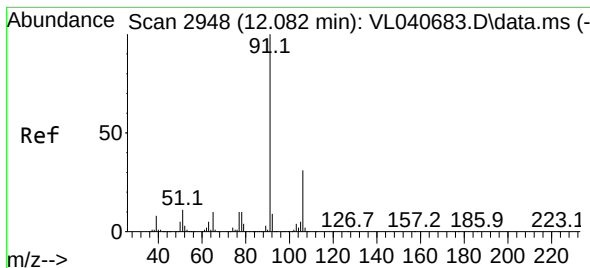
Tgt Ion: 91 Resp: 1166970
Ion Ratio Lower Upper
91 100
92 60.0 48.5 72.7



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.000 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 117 Resp: 2217376
Ion Ratio Lower Upper
117 100
82 66.6 51.4 77.0
119 33.2 24.7 37.1





#58

Ethyl Benzene

Concen: 0.280 ppbv

RT: 12.095 min Scan# 2948

Delta R.T. -0.006 min

Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

Instrument :

MSVOA_L

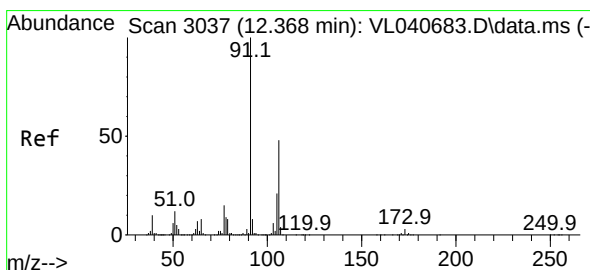
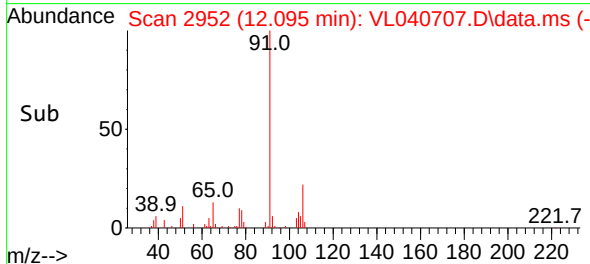
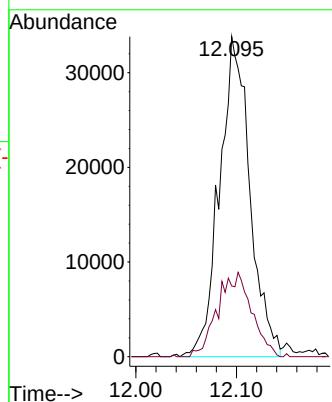
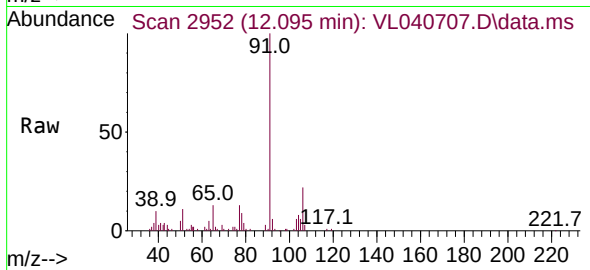
ClientSampleId :

Tgt Ion: 91 Resp: 70833

Ion Ratio Lower Upper

91 100

106 22.1 24.7 37.1#



#59

m/p-Xylene

Concen: 0.574 ppbv

RT: 12.359 min Scan# 3034

Delta R.T. -0.022 min

Lab File: VL040707.D

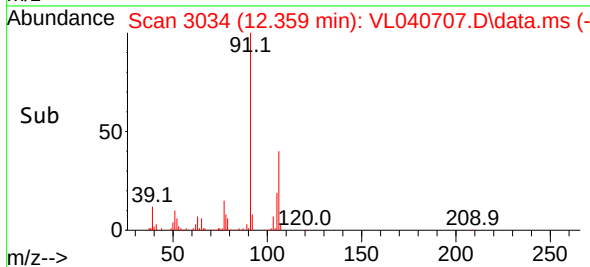
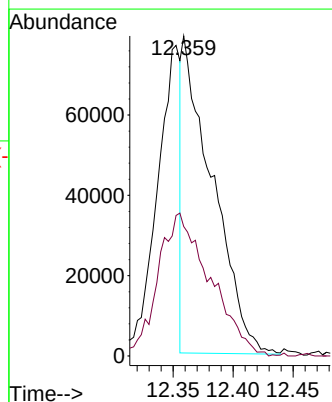
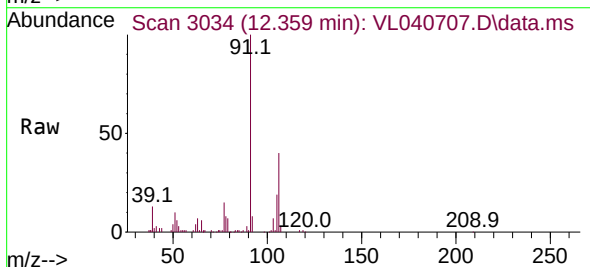
Acq: 18 Sep 2023 20:23

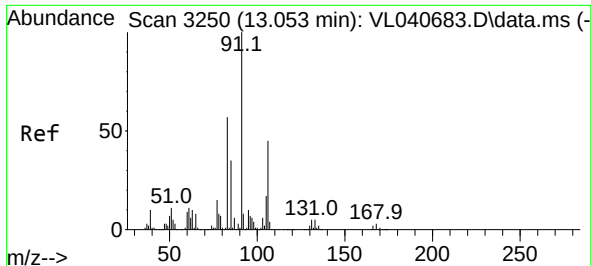
Tgt Ion: 91 Resp: 136271

Ion Ratio Lower Upper

91 100

106 79.0 34.8 52.2#

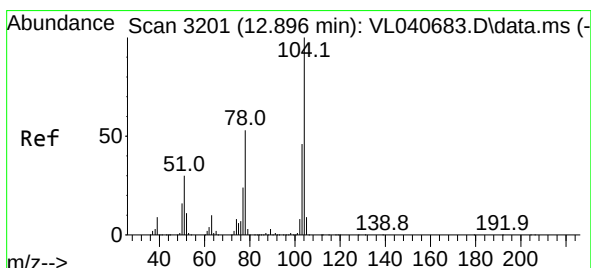
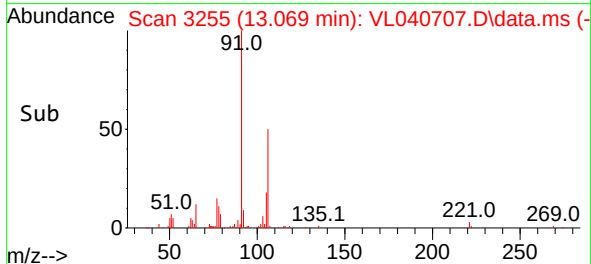
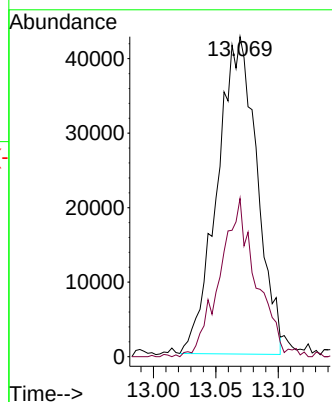
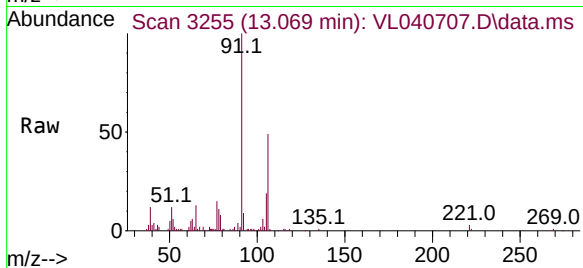




#60
o-Xylene
Concen: 0.417 ppbv
RT: 13.069 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

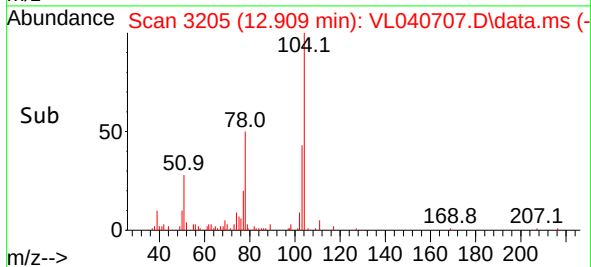
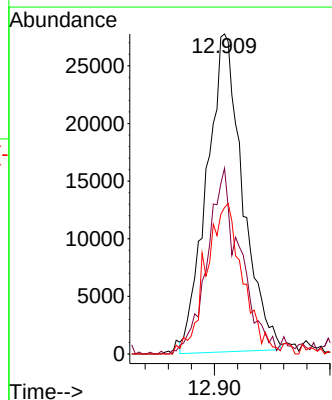
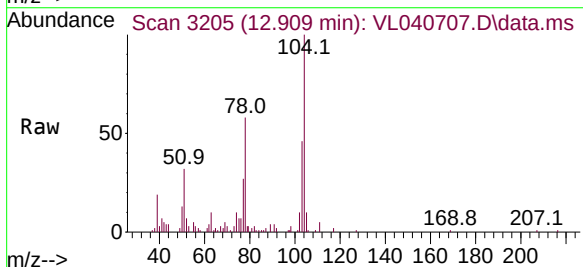
Instrument :
MSVOA_L
ClientSampleId :

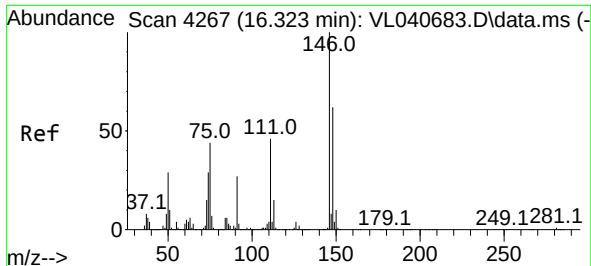
Tgt Ion: 91 Resp: 94503
Ion Ratio Lower Upper
91 100
106 45.8 22.3 66.9



#61
Styrene
Concen: 0.627 ppbv
RT: 12.909 min Scan# 3205
Delta R.T. 0.003 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 104 Resp: 59467
Ion Ratio Lower Upper
104 100
78 54.9 43.4 65.0
103 49.3 37.2 55.8

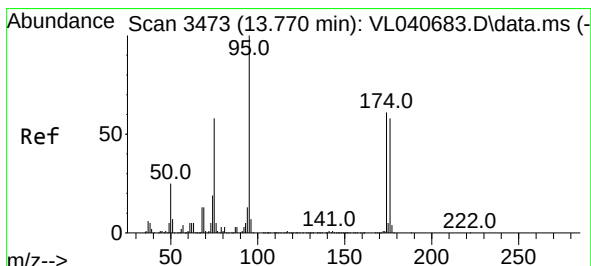
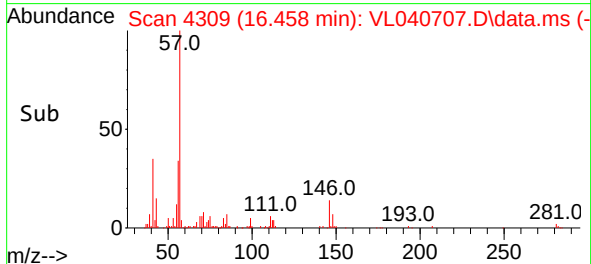
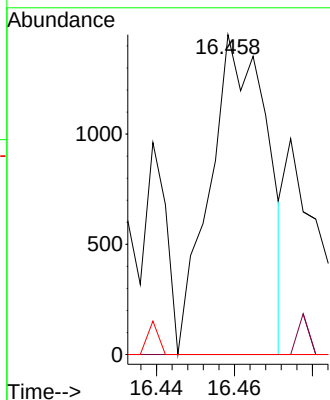
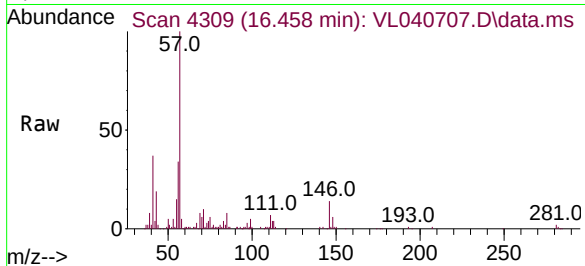




#66
Benzyl Chloride
Concen: 0.042 ppbv
RT: 16.458 min Scan# 41
Delta R.T. 0.122 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

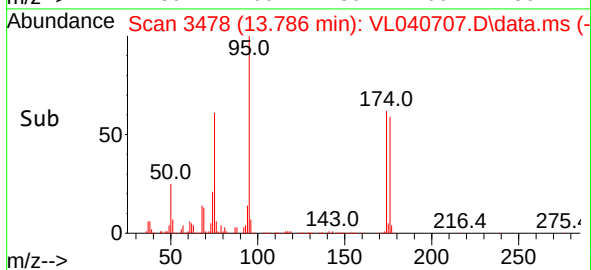
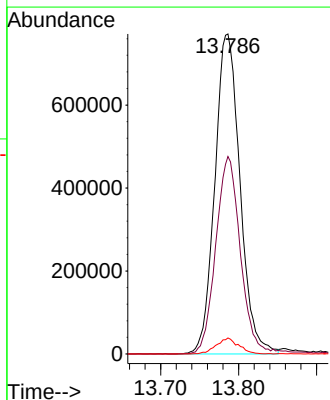
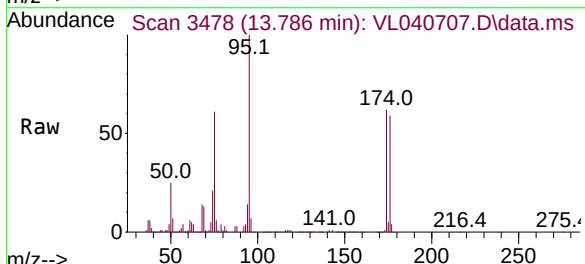
Instrument :
MSVOA_L
ClientSampleId :

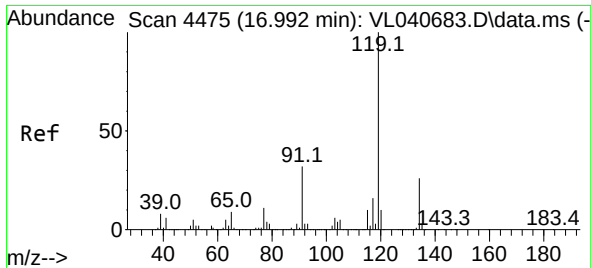
Tgt Ion: 91 Resp: 1486
Ion Ratio Lower Upper
91 100
126 39.2 13.6 20.4#
128 0.0 4.4 6.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.103 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.000 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 95 Resp: 1730899
Ion Ratio Lower Upper
95 100
174 61.4 48.9 73.3
175 4.5 3.5 5.3

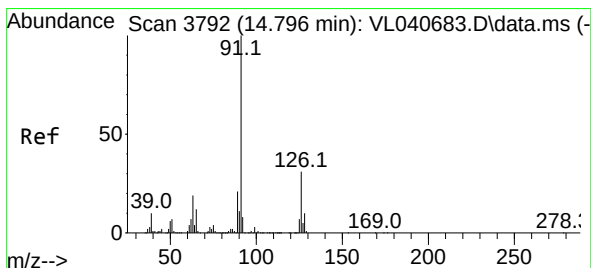
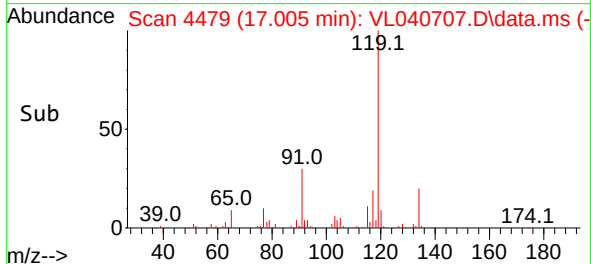
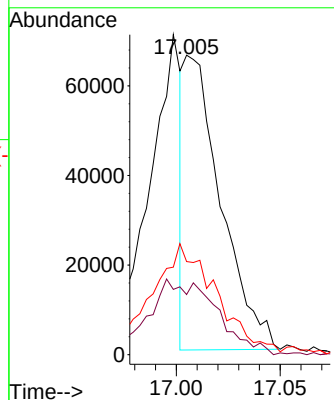
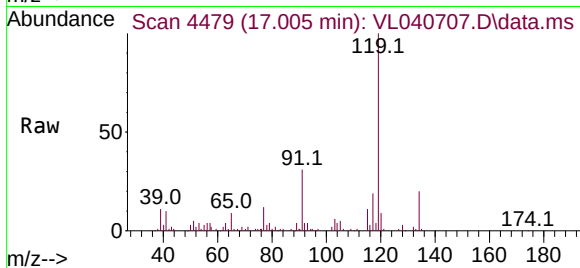




#69
p-Isopropyltoluene
Concen: 0.234 ppbv
RT: 17.005 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

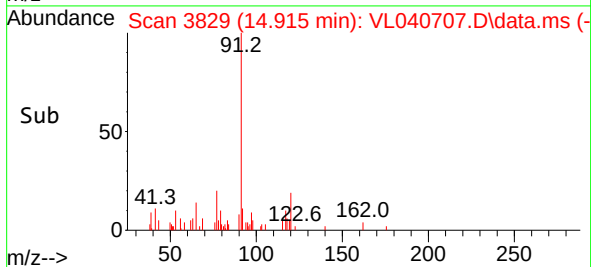
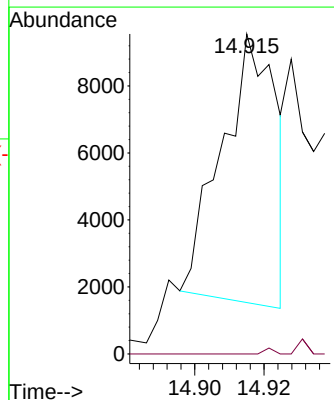
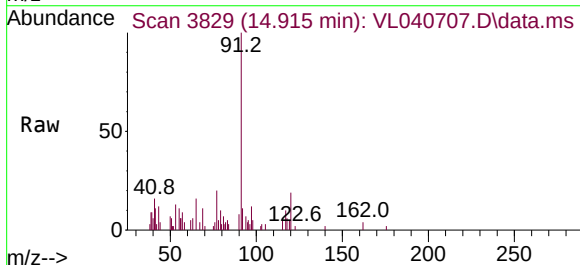
Instrument :
MSVOA_L
ClientSampleId :

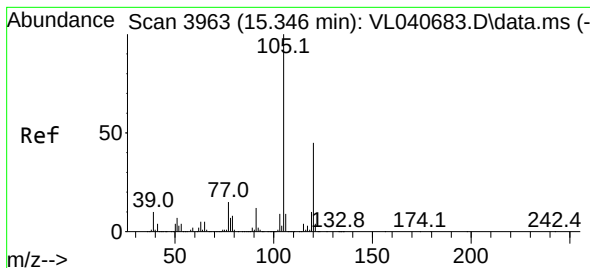
Tgt Ion:119 Resp: 80755
Ion Ratio Lower Upper
119 100
134 0.0 20.2 30.2#
91 69.3 25.0 37.6#



#71
2-Chlorotoluene
Concen: 0.034 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.106 min
Lab File: VL040707.D
Acq: 18 Sep 2023 20:23

Tgt Ion: 91 Resp: 8657
Ion Ratio Lower Upper
91 100
126 9.8 12.0 47.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.080 ppbv

RT: 15.362 min Scan# 3968

Delta R.T. 0.000 min

Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

Instrument :

MSVOA_L

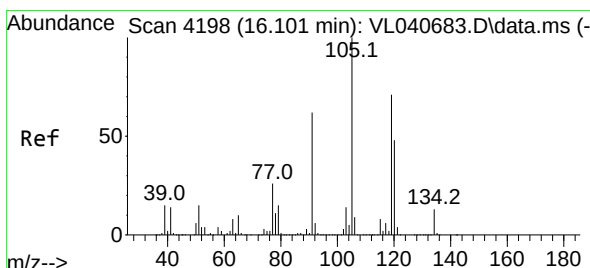
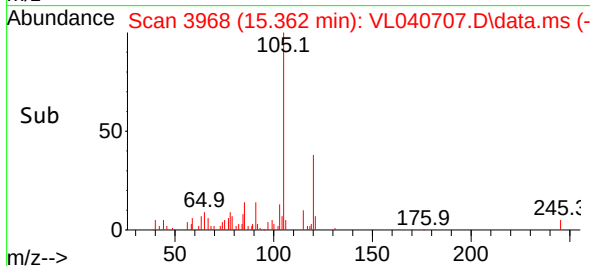
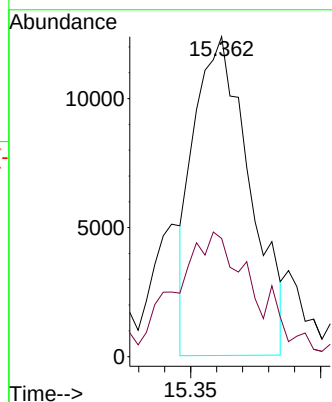
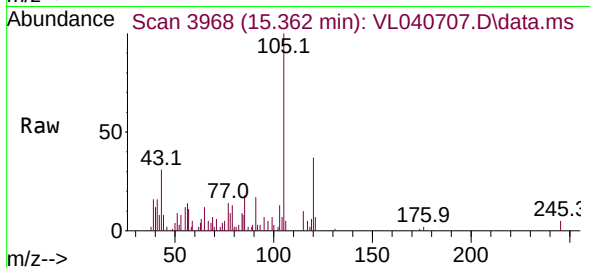
ClientSampleId :

Tgt Ion:105 Resp: 18383

Ion Ratio Lower Upper

105 100

120 32.0 36.1 54.1#



#74

1,2,4-Trimethylbenzene

Concen: 0.224 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. -0.003 min

Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

Tgt Ion:105 Resp: 62378

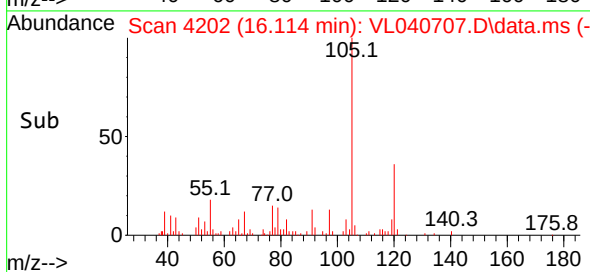
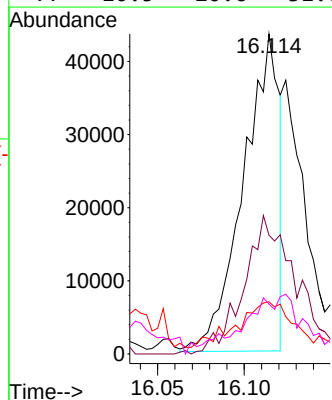
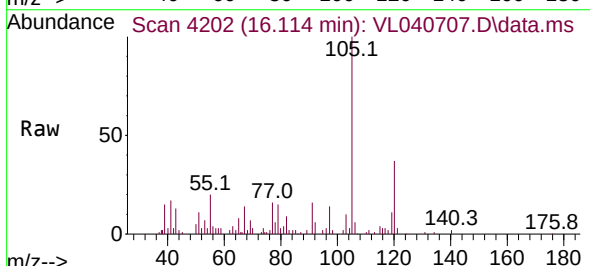
Ion Ratio Lower Upper

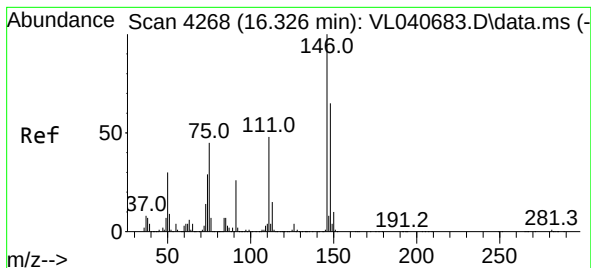
105 100

120 37.1 38.6 57.8#

91 13.1 50.0 75.0#

77 10.5 20.6 31.0#





#75

1,3-Dichlorobenzene

Concen: 0.576 ppbv

RT: 16.481 min Scan# 4316

Delta R.T. 0.142 min

Lab File: VL040707.D

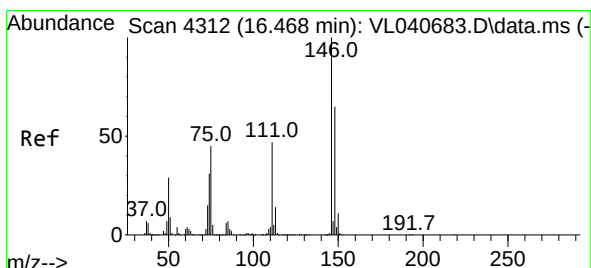
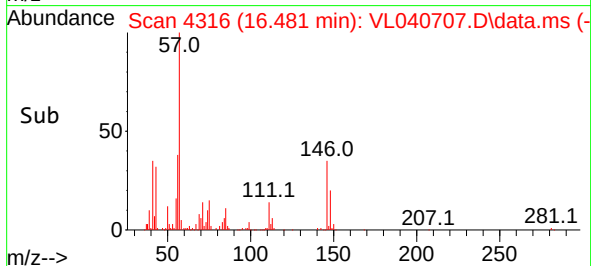
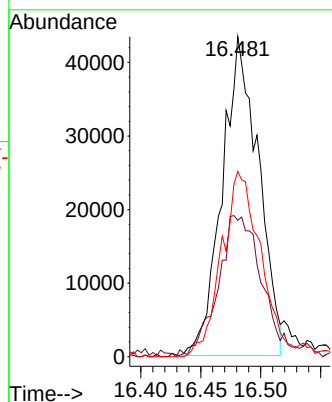
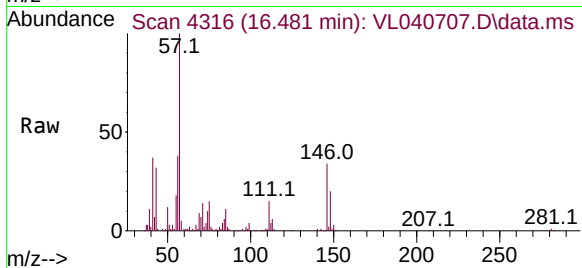
Acq: 18 Sep 2023 20:23

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:146	Resp:	91455
Ion Ratio	Lower	Upper
146	100	
111	54.5	23.9 71.7
148	64.8	31.8 95.4



#76

1,4-Dichlorobenzene

Concen: 0.585 ppbv

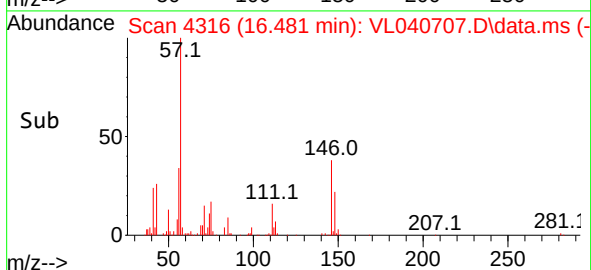
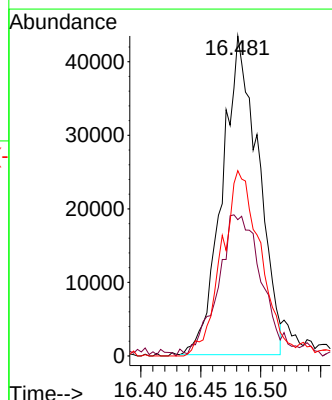
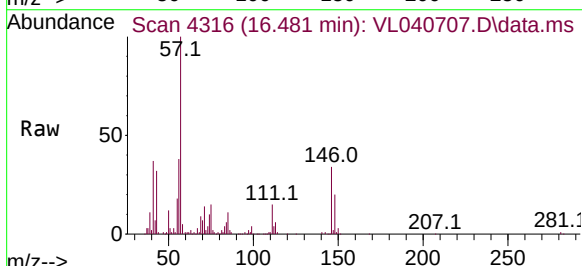
RT: 16.481 min Scan# 4316

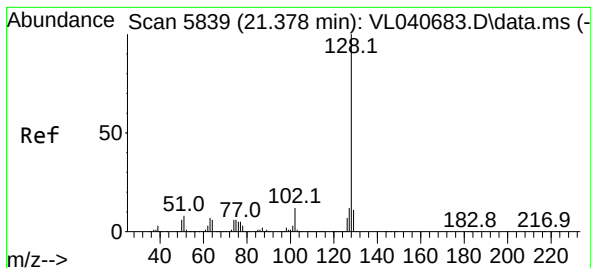
Delta R.T. 0.000 min

Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

Tgt Ion:146	Resp:	91455
Ion Ratio	Lower	Upper
146	100	
111	53.4	23.8 71.2
148	64.8	32.6 97.7





#79

Naphthalene

Concen: 2.057 ppbv

RT: 21.400 min Scan# 51

Delta R.T. 0.007 min

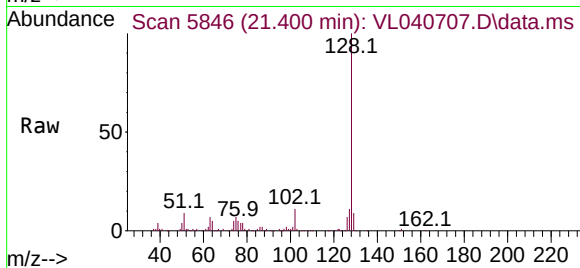
Lab File: VL040707.D

Acq: 18 Sep 2023 20:23

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:128 Resp: 356708

Ion Ratio Lower Upper

128 100

127 11.4 9.8 14.6

129 8.7 8.4 12.6

