

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040711.D
 Acq On : 18 Sep 2023 23:02
 Operator : SY/MD
 Sample : 04468-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: Sep 19 05:23:24 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	5.201	49	1160841	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3027064	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2588342	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1965449	9.828	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.738	85	114386	0.447	ppbv	96
3) Chlorodifluoromethane	2.681	51	354512	1.875	ppbv #	78
4) Chloromethane	2.819	50	35930	0.496	ppbv	98
9) Propene	2.877	41	377500	6.929	ppbv	97
10) Heptane	7.587	43	50899	0.415	ppbv	98
11) Trichlorofluoromethane	3.568	101	46788	0.208	ppbv	92
13) Ethanol	3.250	45	626339	38.841	ppbv	95
15) Acetone	3.472	43	18054540	117.912	ppbv #	67
16) 1,3-Butadiene	3.018	39	852734	12.779	ppbv #	11
17) tert-Butyl alcohol	3.896	59	58705	0.374	ppbv #	71
19) Isopropyl Alcohol	3.587	45	1279858	13.872	ppbv #	93
20) Methylene Chloride	3.944	84	1067969	12.959	ppbv	98
21) Allyl Chloride	3.944	41	35646	0.380	ppbv #	29
23) Vinyl Acetate	4.629	43	59691	0.377	ppbv #	74
25) Ethyl Acetate	5.214	43	1592407	6.448	ppbv #	97
26) Hexane	5.221	57	785621	6.728	ppbv	89
27) Carbon Disulfide	4.131	76	7686	0.047	ppbv #	1
29) Chloroform	5.285	83	77265	0.383	ppbv	92
30) Cyclohexane	6.610	84	5425	0.062	ppbv #	1
31) cis-1,2-Dichloroethene	5.208	61	150514	1.389	ppbv #	26
34) 2-Butanone	4.796	43	409876	2.692	ppbv	97
35) Carbon Tetrachloride	6.507	117	7366	0.035	ppbv #	68
36) Benzene	6.378	78	55325	0.247	ppbv #	86
37) 1,2-Dichloroethane	5.812	62	66598	0.434	ppbv	99
38) Trichloroethene	7.307	130	4566	0.053	ppbv #	17
39) 1,2-Dichloropropane	6.661	63	748232	8.672	ppbv #	23
41) Tetrahydrofuran	5.578	42	6845	0.088	ppbv #	87
43) Methyl Methacrylate	7.481	69	931735	11.183	ppbv	99
50) 4-Methyl-2-Pentanone	8.198	43	8125	0.039	ppbv #	2
51) 2-Hexanone	9.552	43	4989	0.035	ppbv #	1
52) Tetrachloroethene	10.619	164	40679	0.556	ppbv #	80
53) Toluene	9.227	91	1225875	5.180	ppbv	99
58) Ethyl Benzene	12.098	91	1756877	5.954	ppbv	99
59) m/p-Xylene	12.352	91	7376671	26.621	ppbv	94
60) o-Xylene	13.066	91	2541564	9.618	ppbv	100
61) Styrene	12.908	104	357500	3.228	ppbv	98
64) n-propylbenzene	14.924	120	3574	0.036	ppbv #	1
69) p-Isopropyltoluene	16.992	119	13342	0.033	ppbv #	1
72) 4-Ethyltoluene	15.195	105	30002	0.101	ppbv #	31
73) 1,3,5-Trimethylbenzene	15.352	105	35339	0.132	ppbv #	79
74) 1,2,4-Trimethylbenzene	16.111	105	167000	0.513	ppbv #	61
75) 1,3-Dichlorobenzene	16.481	146	49503	0.267	ppbv	83
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ClientSampleId :
IA1

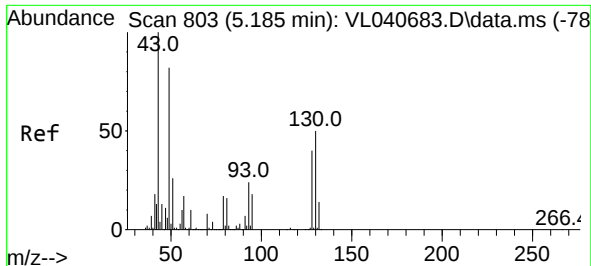
Quant Time: Sep 19 05:23:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	21.394	128	29877	0.148	ppbv	# 93

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

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

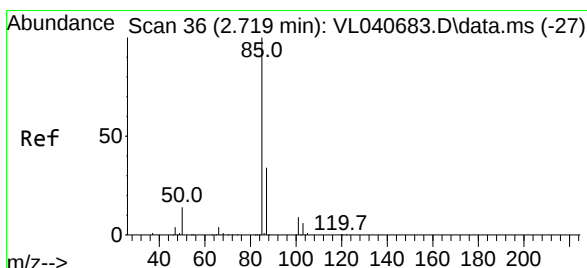
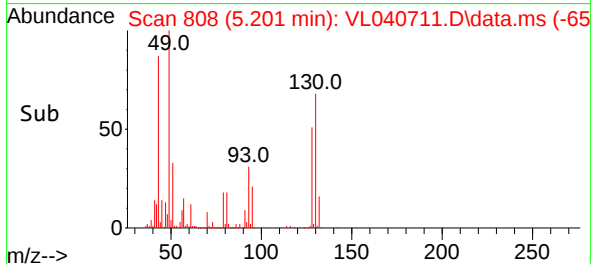
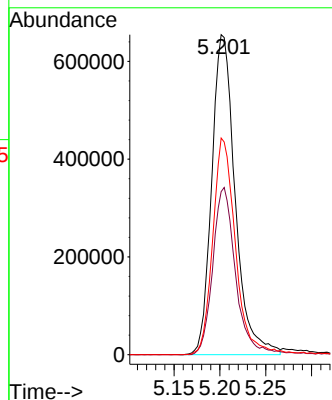
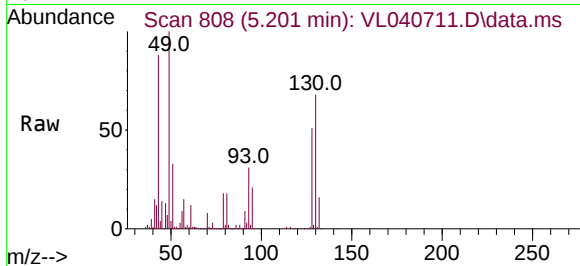




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

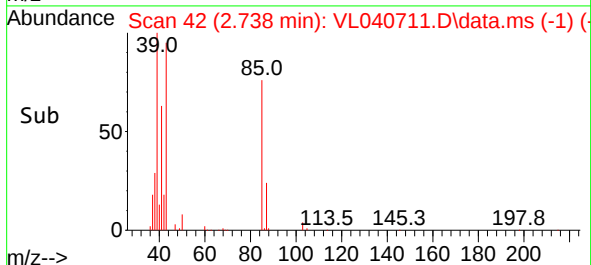
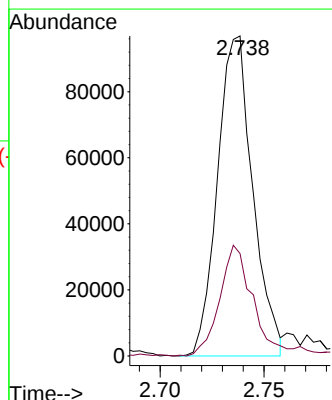
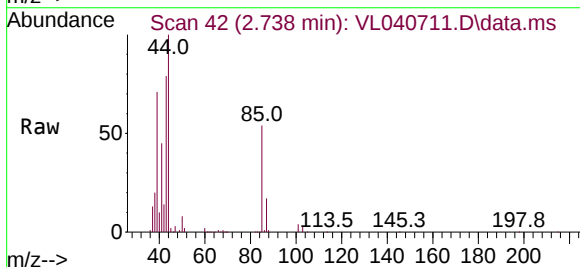
Instrument :
MSVOA_L
ClientSampleId :
IA1

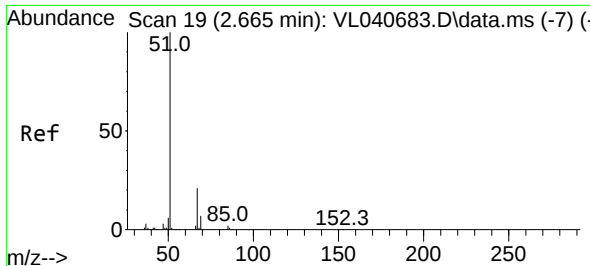
Tgt Ion: 49 Resp: 1160841
Ion Ratio Lower Upper
49 100
128 51.2 25.4 76.0
130 66.6 32.3 96.8



#2
Dichlorodifluoromethane
Concen: 0.447 ppbv
RT: 2.738 min Scan# 42
Delta R.T. 0.006 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion: 85 Resp: 114386
Ion Ratio Lower Upper
85 100
87 31.7 27.2 40.8

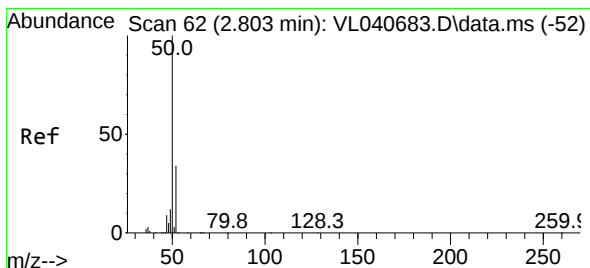
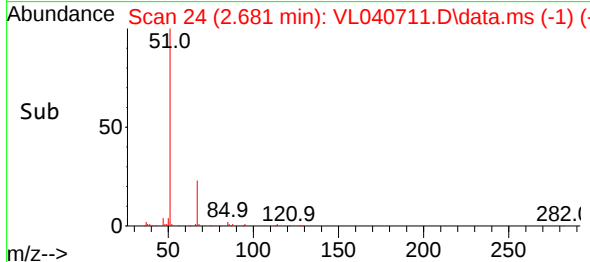
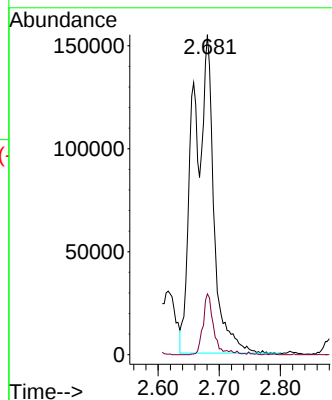
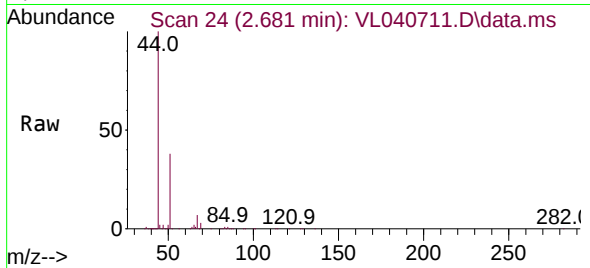




#3
Chlorodifluoromethane
Concen: 1.875 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.003 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

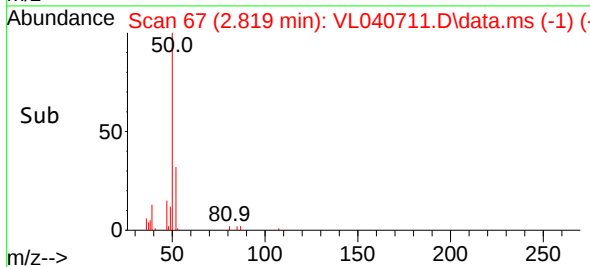
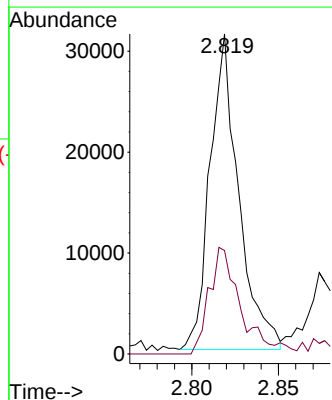
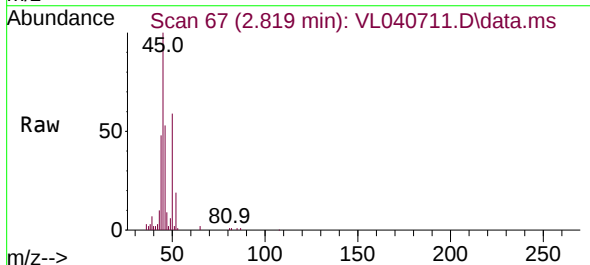
Instrument :
MSVOA_L
ClientSampleId :
IA1

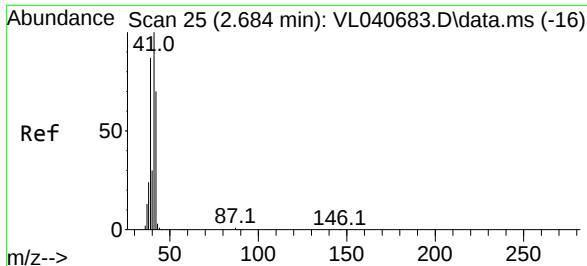
Tgt Ion: 51 Resp: 354512
Ion Ratio Lower Upper
51 100
67 10.5 16.7 25.1#



#4
Chloromethane
Concen: 0.496 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.003 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion: 50 Resp: 35930
Ion Ratio Lower Upper
50 100
52 32.8 27.1 40.7

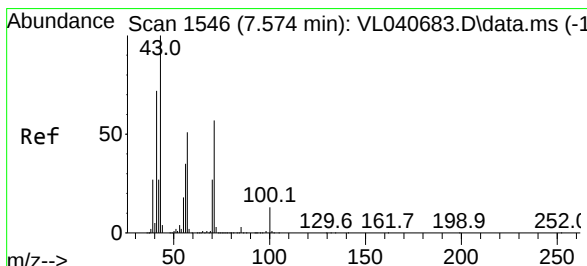
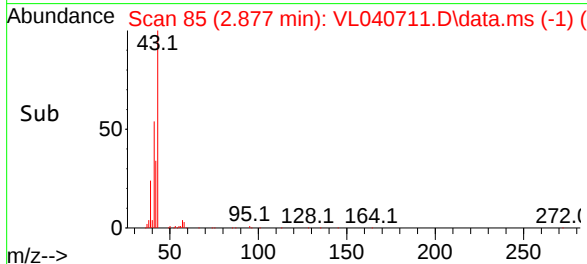
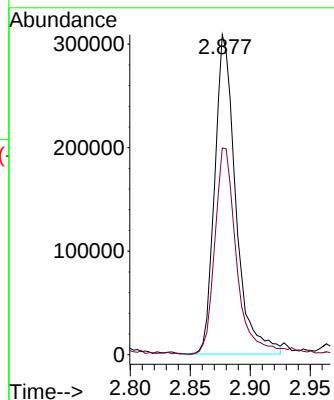
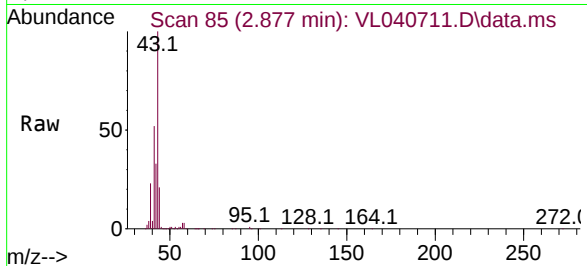




#9
 Propene
 Concen: 6.929 ppbv
 RT: 2.877 min Scan# 81
 Delta R.T. 0.180 min
 Lab File: VL040711.D
 Acq: 18 Sep 2023 23:02

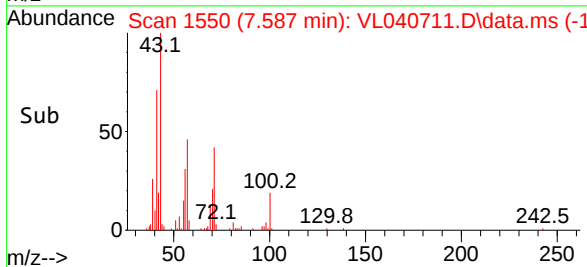
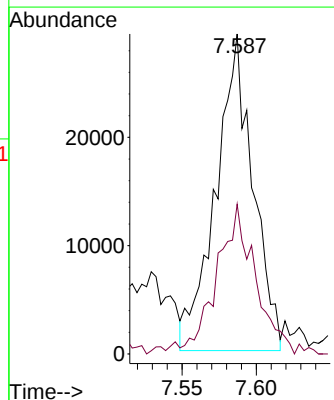
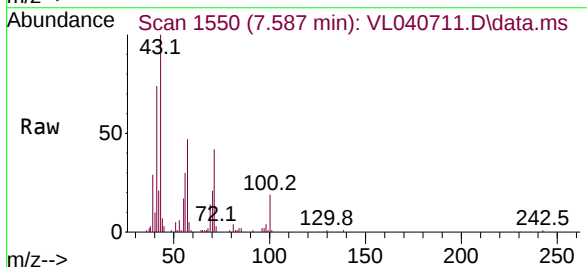
Instrument :
 MSVOA_L
 ClientSampleId :
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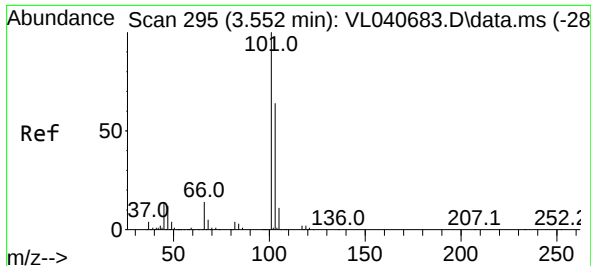
Tgt Ion: 41 Resp: 377500
 Ion Ratio Lower Upper
 41 100
 42 68.0 56.7 85.1



#10
 Heptane
 Concen: 0.415 ppbv
 RT: 7.587 min Scan# 1550
 Delta R.T. 0.000 min
 Lab File: VL040711.D
 Acq: 18 Sep 2023 23:02

Tgt Ion: 43 Resp: 50899
 Ion Ratio Lower Upper
 43 100
 57 50.8 41.8 62.6

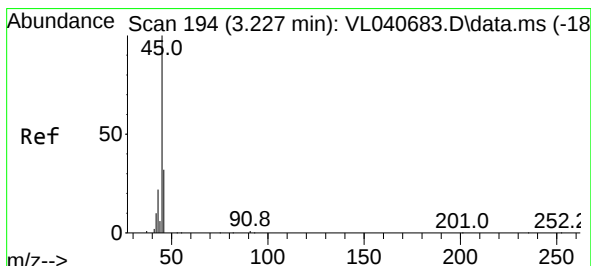
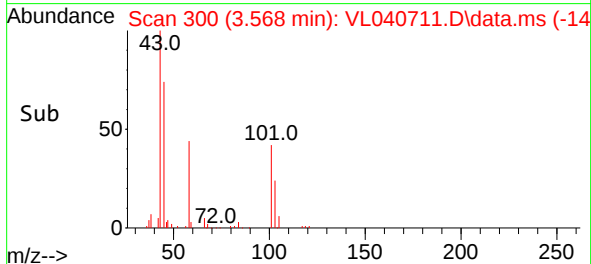
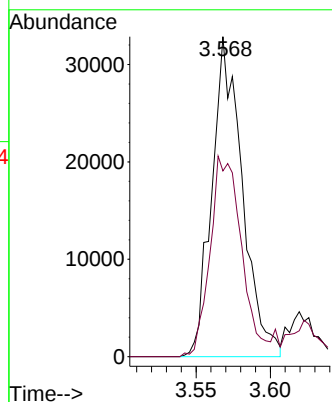
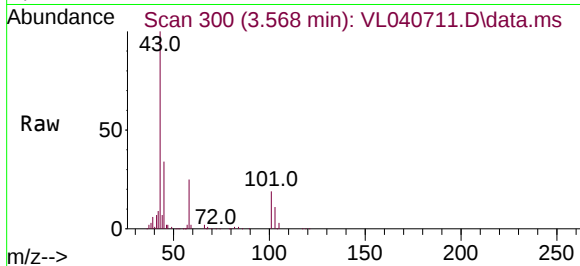




#11
 Trichlorofluoromethane
 Concen: 0.208 ppbv
 RT: 3.568 min Scan# 300
 Delta R.T. 0.000 min
 Lab File: VL040711.D
 Acq: 18 Sep 2023 23:02

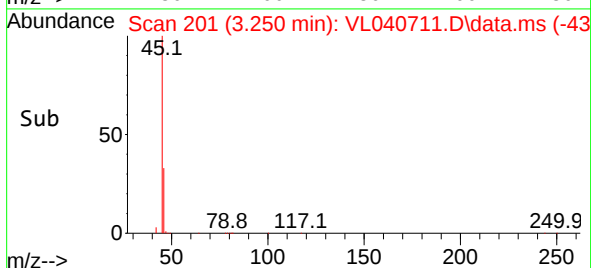
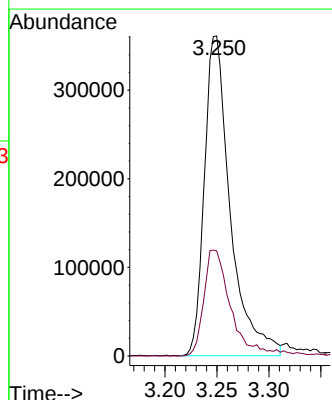
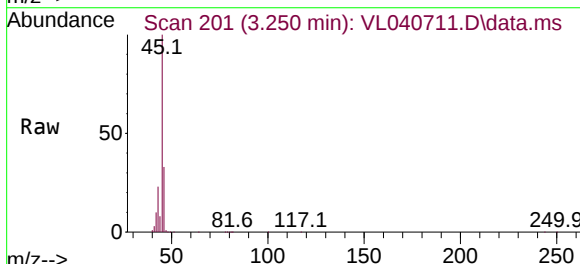
Instrument :
 MSVOA_L
 ClientSampleId :
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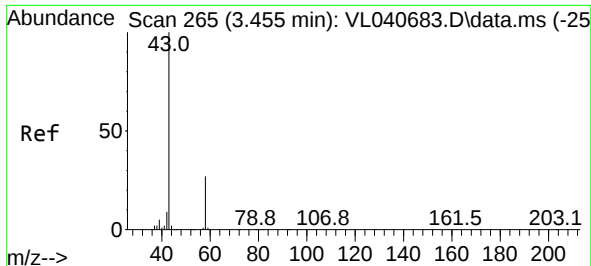
Tgt Ion:101 Resp: 46788
 Ion Ratio Lower Upper
 101 100
 103 58.0 51.3 76.9



#13
 Ethanol
 Concen: 38.841 ppbv
 RT: 3.250 min Scan# 201
 Delta R.T. 0.006 min
 Lab File: VL040711.D
 Acq: 18 Sep 2023 23:02

Tgt Ion: 45 Resp: 626339
 Ion Ratio Lower Upper
 45 100
 46 35.2 15.2 61.0

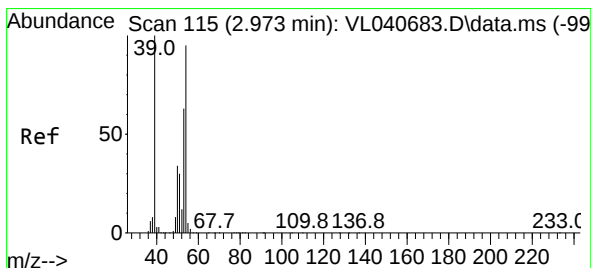
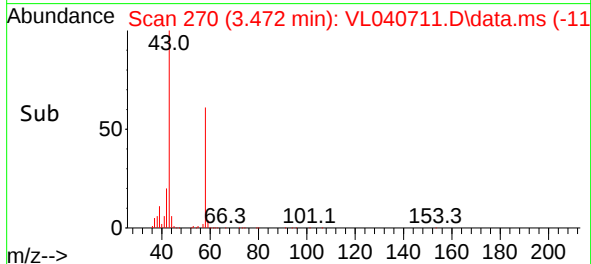
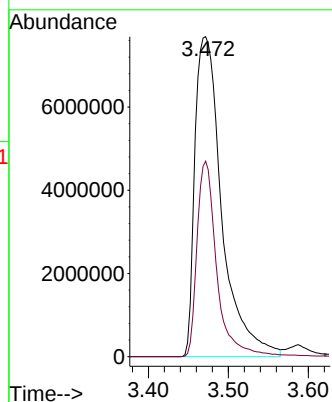
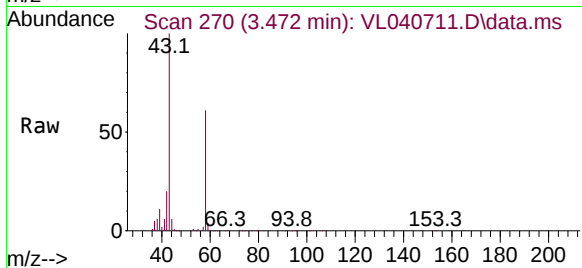




#15
Acetone
Concen: 117.912 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

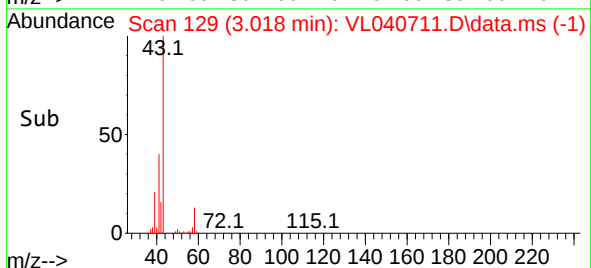
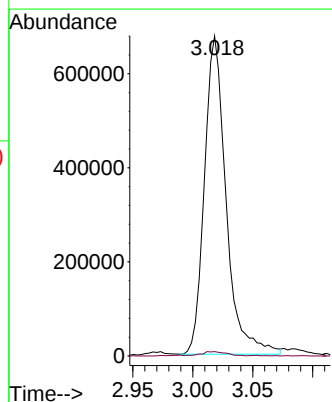
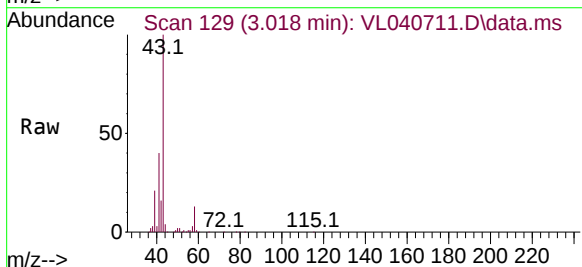
Instrument :
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ClientSampleId :
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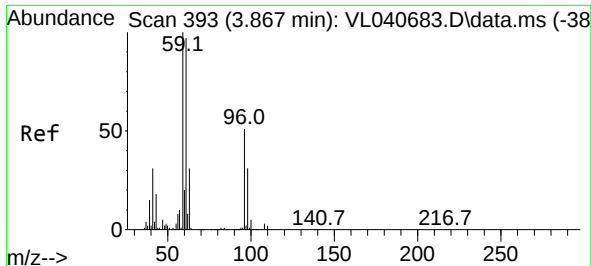
Tgt Ion: 43 Resp:18054540
Ion Ratio Lower Upper
43 100
58 45.5 22.6 34.0#



#16
1,3-Butadiene
Concen: 12.779 ppbv
RT: 3.018 min Scan# 129
Delta R.T. 0.029 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion: 39 Resp: 852734
Ion Ratio Lower Upper
39 100
54 2.0 64.8 97.2#





#17

tert-Butyl alcohol

Concen: 0.374 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.013 min

Lab File: VL040711.D

Acq: 18 Sep 2023 23:02

Instrument :

MSVOA_L

ClientSampleId :

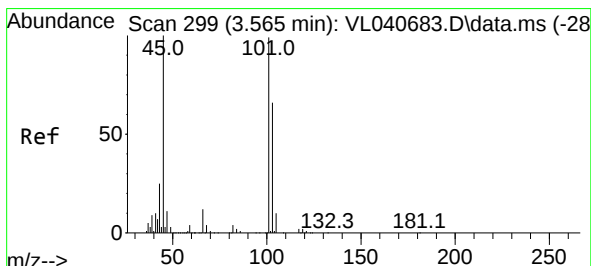
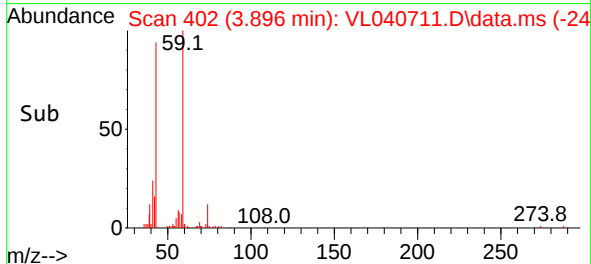
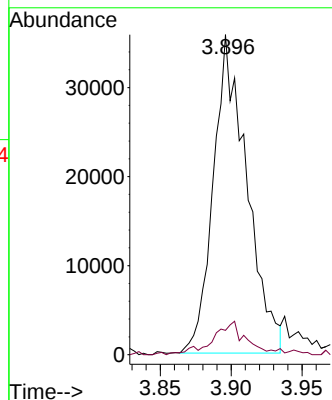
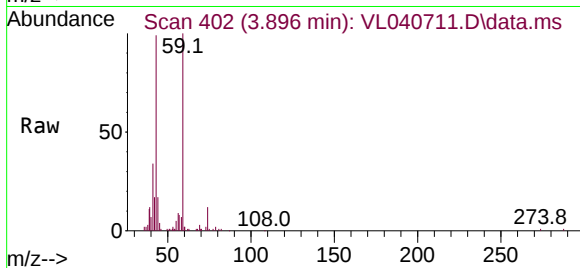
IA1

Tgt Ion: 59 Resp: 58705

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#19

Isopropyl Alcohol

Concen: 13.872 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.010 min

Lab File: VL040711.D

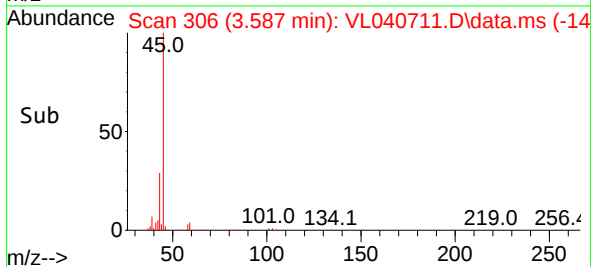
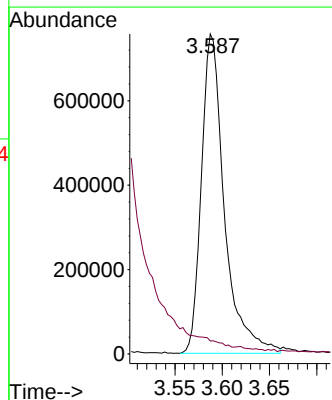
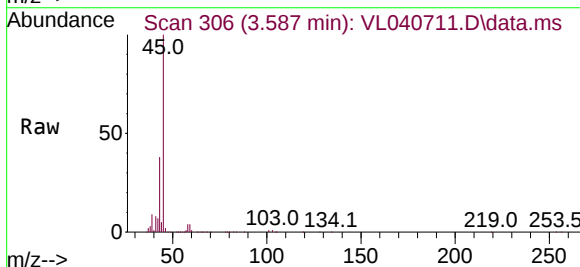
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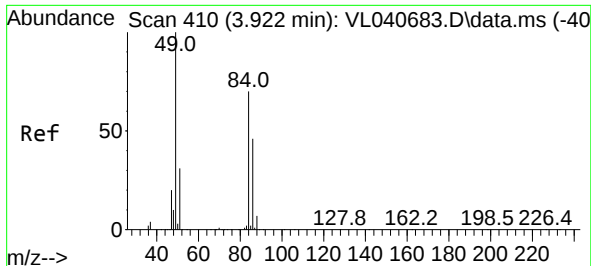
Tgt Ion: 45 Resp: 1279858

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



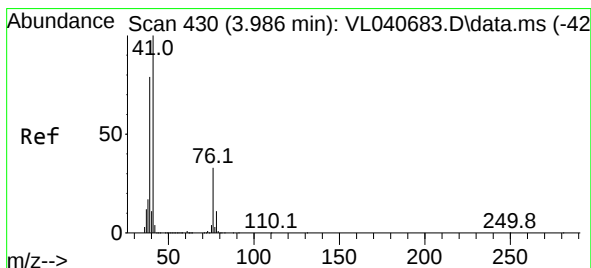
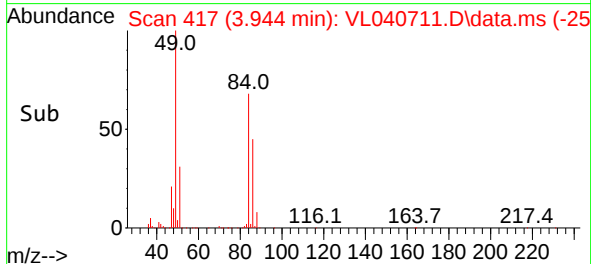
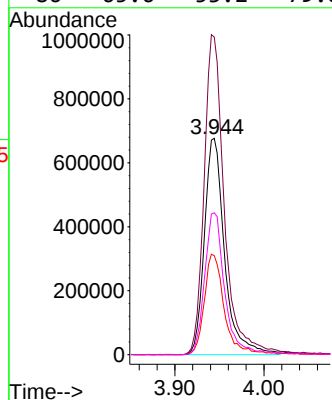
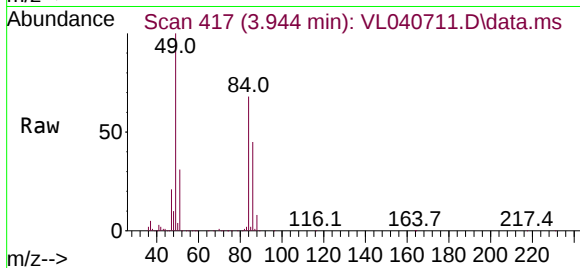


#20
Methylene Chloride
Concen: 12.959 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.006 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 84 Resp: 1067969

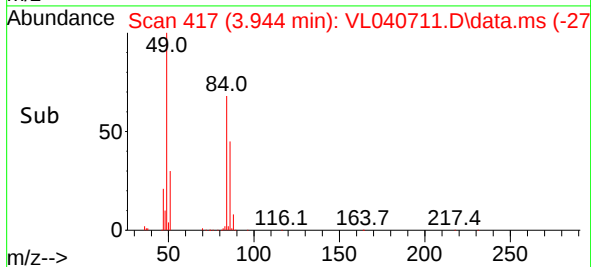
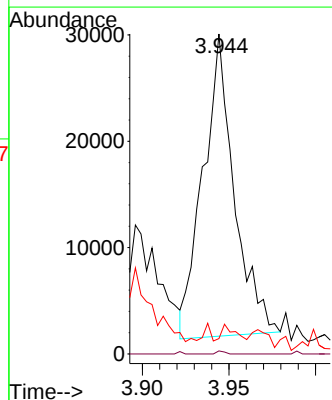
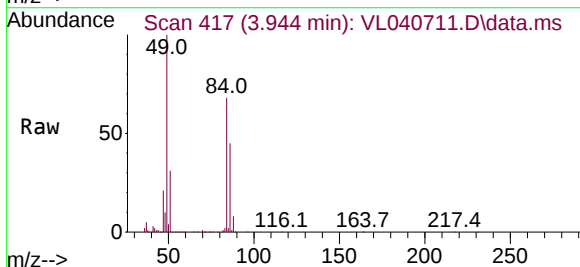
Ion	Ratio	Lower	Upper
84	100		
49	146.9	114.4	171.6
51	45.6	35.5	53.3
86	65.6	53.2	79.8

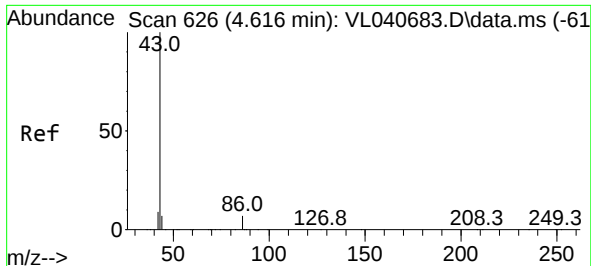


#21
Allyl Chloride
Concen: 0.380 ppbv
RT: 3.944 min Scan# 417
Delta R.T. -0.058 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion: 41 Resp: 35646

Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.6	40.0#
39	13.2	65.0	97.4#



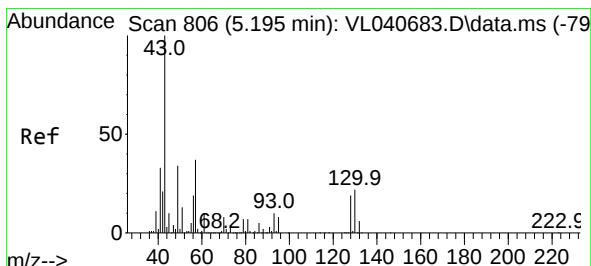
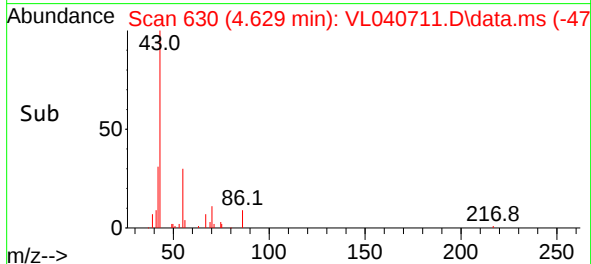
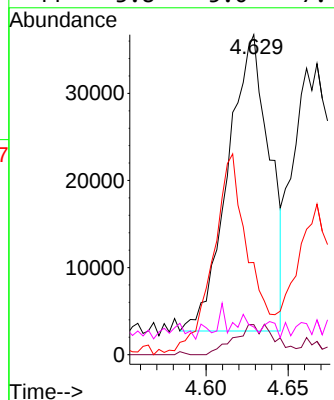
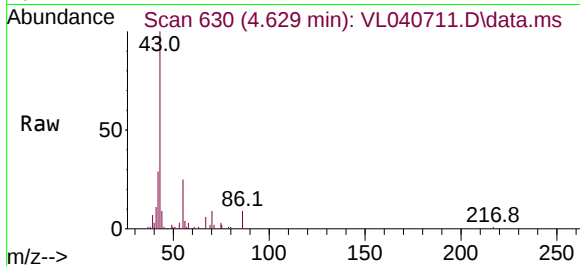


#23
 Vinyl Acetate
 Concen: 0.377 ppbv
 RT: 4.629 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL040711.D
 Acq: 18 Sep 2023 23:02

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Tgt Ion: 43 Resp: 59691

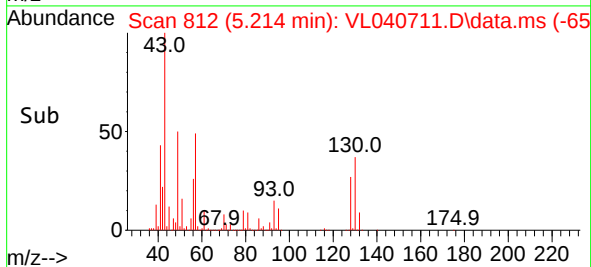
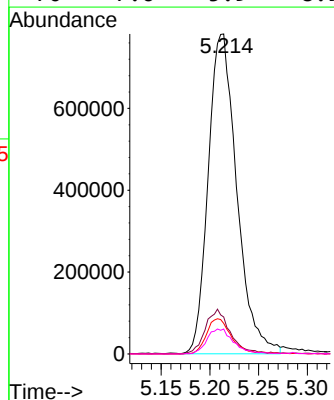
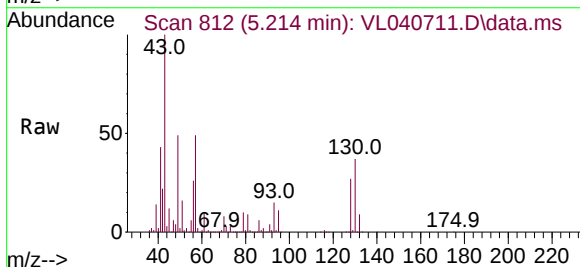
Ion	Ratio	Lower	Upper
43	100		
86	9.6	5.6	8.4#
42	28.5	7.6	11.4#
44	3.8	5.0	7.4#

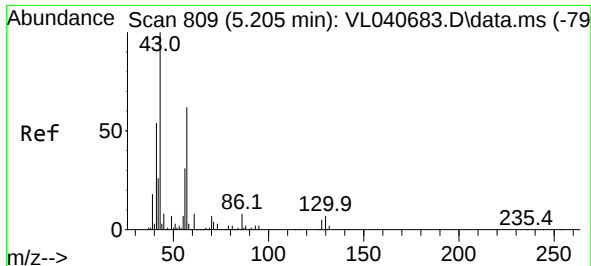


#25
 Ethyl Acetate
 Concen: 6.448 ppbv
 RT: 5.214 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL040711.D
 Acq: 18 Sep 2023 23:02

Tgt Ion: 43 Resp: 1592407

Ion	Ratio	Lower	Upper
43	100		
45	12.4	8.2	12.4#
61	9.9	8.2	12.4
70	7.6	5.9	8.9

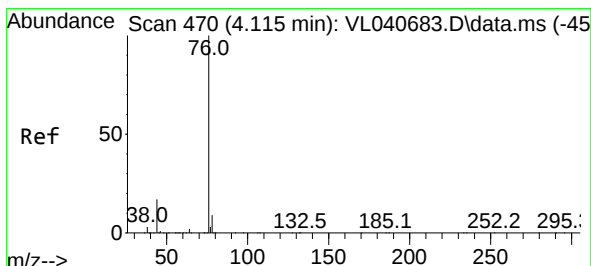
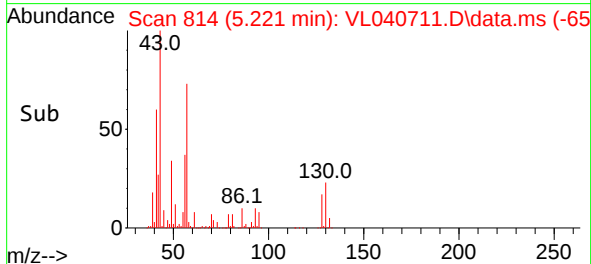
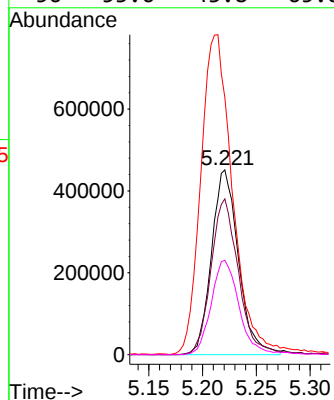
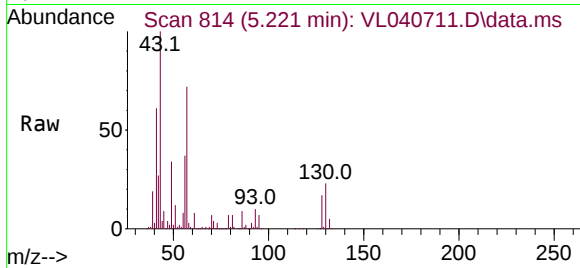




#26
Hexane
Concen: 6.728 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

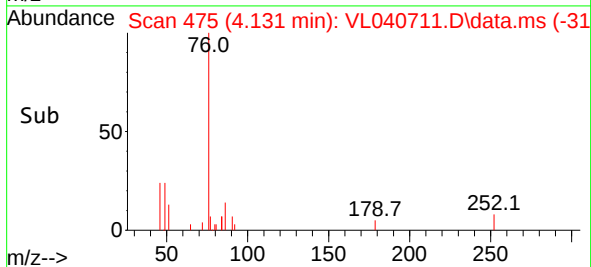
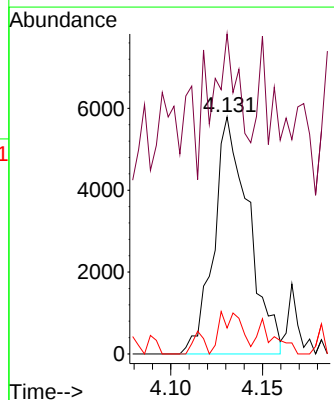
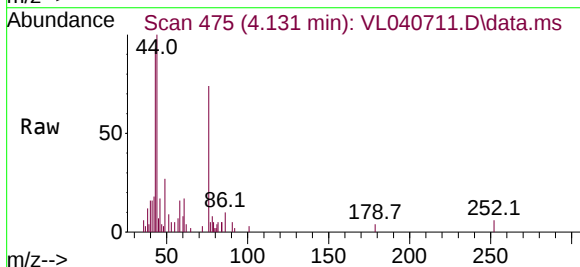
Instrument :
MSVOA_L
ClientSampleId :
IA1

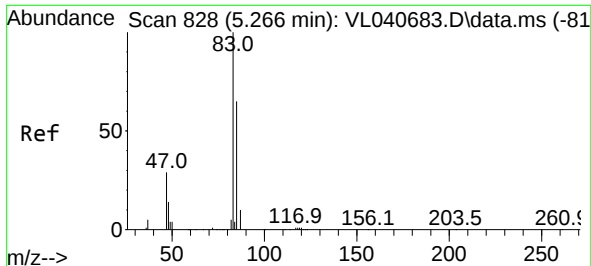
Tgt Ion: 57 Resp: 785621
Ion Ratio Lower Upper
57 100
41 87.9 75.2 112.8
43 205.8 185.6 278.4
56 53.6 43.8 65.8



#27
Carbon Disulfide
Concen: 0.047 ppbv
RT: 4.131 min Scan# 475
Delta R.T. 0.000 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion: 76 Resp: 7686
Ion Ratio Lower Upper
76 100
44 82.6 14.5 21.7#
78 20.5 7.7 11.5#





#29

Chloroform

Concen: 0.383 ppbv

RT: 5.285 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040711.D

Acq: 18 Sep 2023 23:02

Instrument :

MSVOA_L

ClientSampleId :

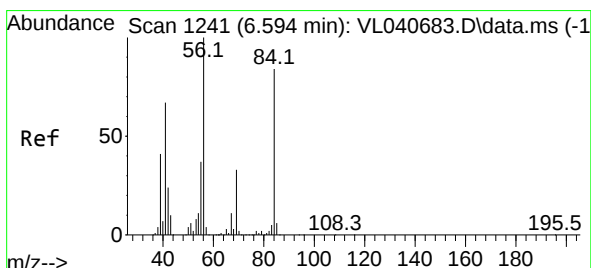
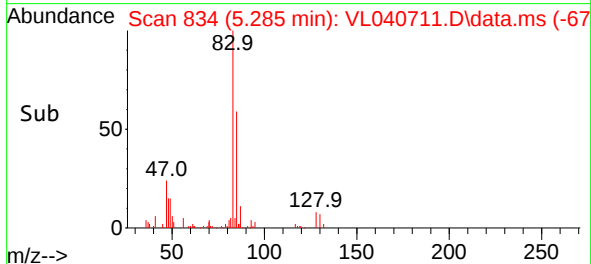
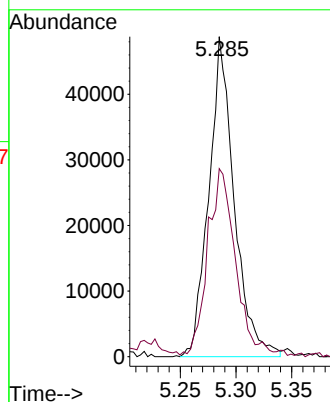
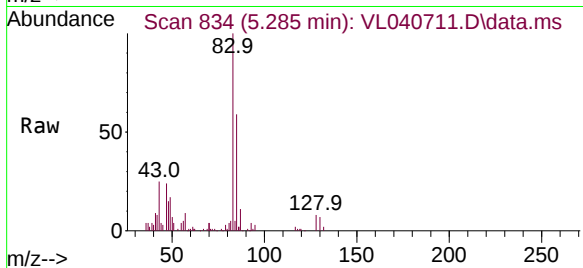
IA1

Tgt Ion: 83 Resp: 77265

Ion Ratio Lower Upper

83 100

85 58.2 51.8 77.8



#30

Cyclohexane

Concen: 0.062 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VL040711.D

Acq: 18 Sep 2023 23:02

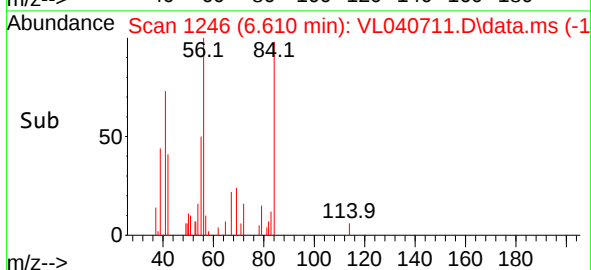
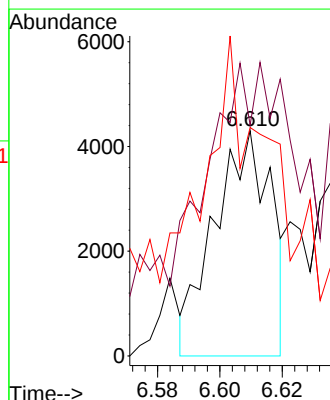
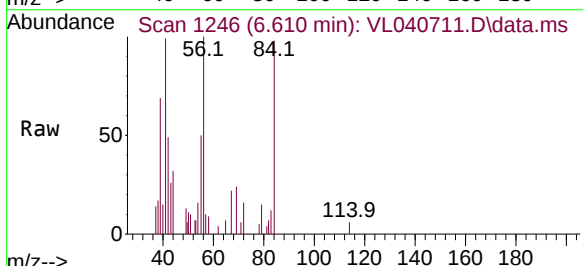
Tgt Ion: 84 Resp: 5425

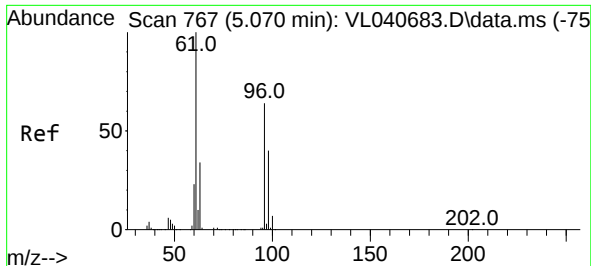
Ion Ratio Lower Upper

84 100

56 0.0 103.2 154.8#

41 0.0 65.5 98.3#

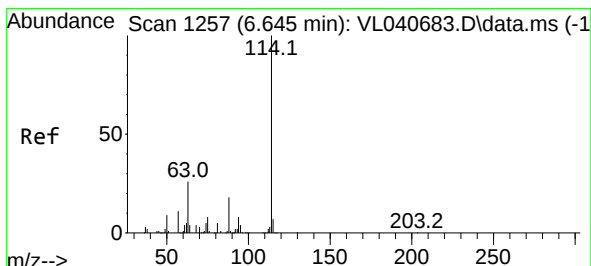
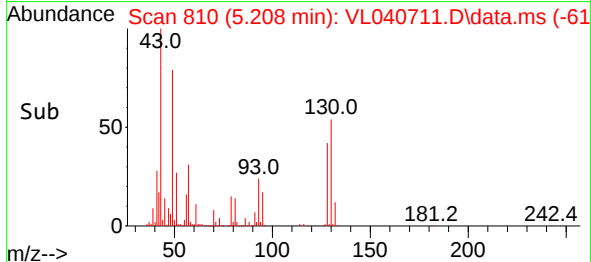
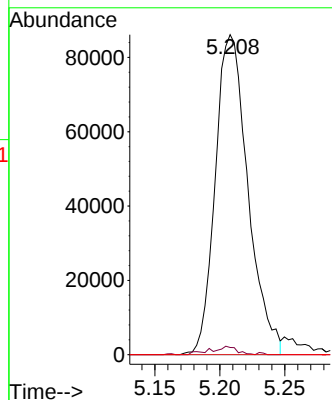
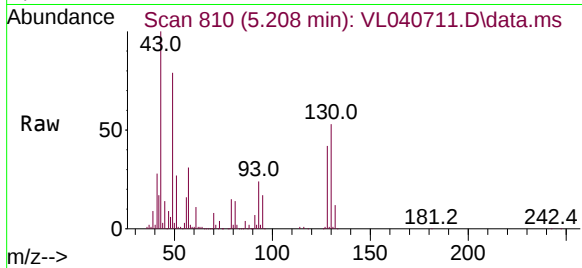




#31
 cis-1,2-Dichloroethene
 Concen: 1.389 ppbv
 RT: 5.208 min Scan# 81
 Delta R.T. 0.122 min
 Lab File: VL040711.D
 Acq: 18 Sep 2023 23:02

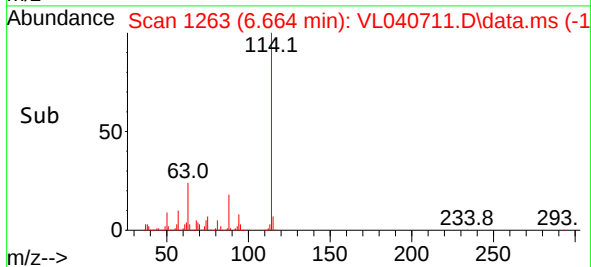
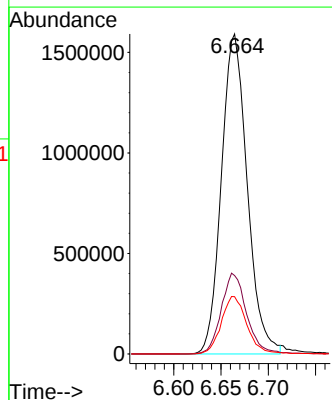
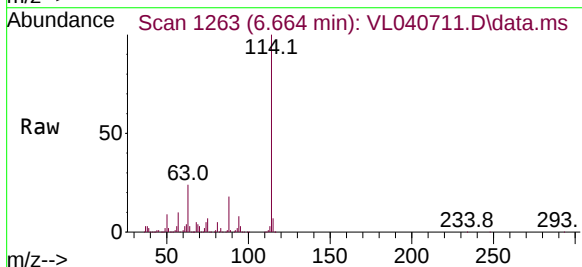
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

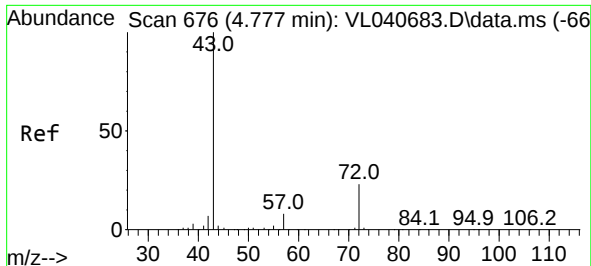
Tgt Ion: 61 Resp: 150514
 Ion Ratio Lower Upper
 61 100
 96 2.2 51.2 76.8#
 98 0.0 32.3 48.5#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.664 min Scan# 1263
 Delta R.T. 0.003 min
 Lab File: VL040711.D
 Acq: 18 Sep 2023 23:02

Tgt Ion: 114 Resp: 3027064
 Ion Ratio Lower Upper
 114 100
 63 25.0 21.1 31.7
 88 17.9 14.5 21.7

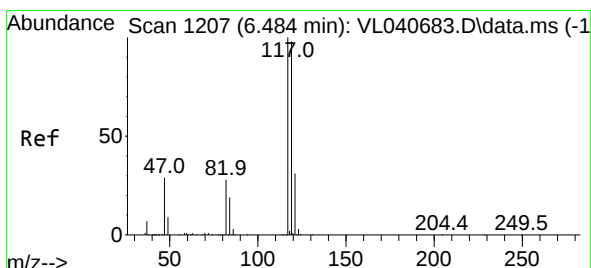
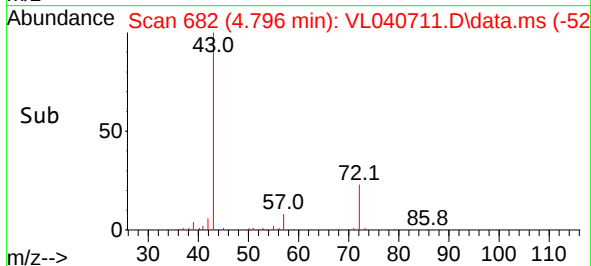
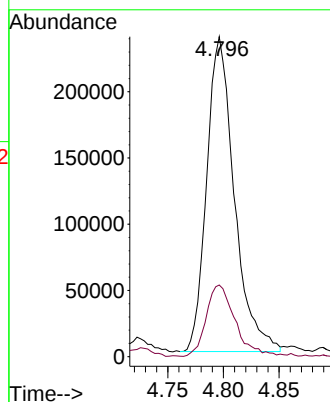
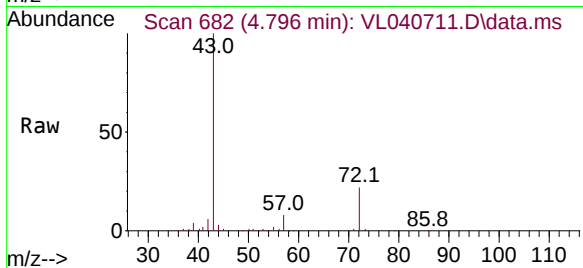




#34
2-Butanone
Concen: 2.692 ppbv
RT: 4.796 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

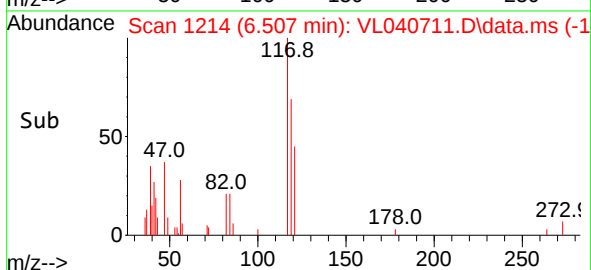
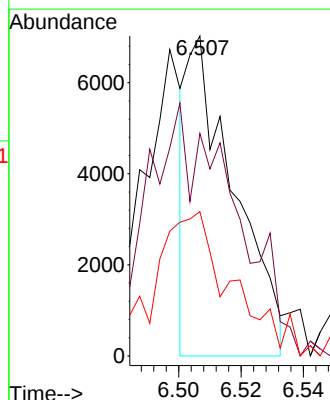
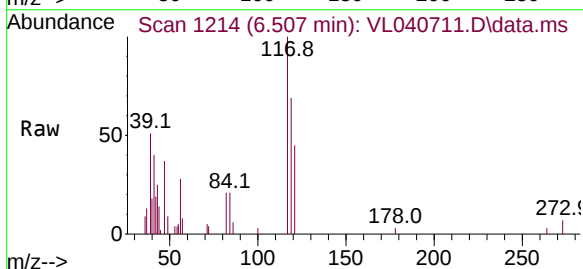
Instrument :
MSVOA_L
ClientSampleId :
IA1

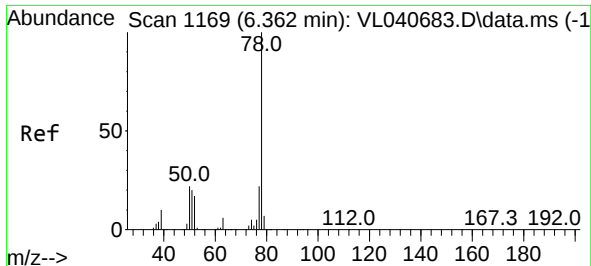
Tgt Ion: 43 Resp: 409876
Ion Ratio Lower Upper
43 100
72 24.4 18.6 27.8



#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 6.507 min Scan# 1214
Delta R.T. 0.003 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion: 117 Resp: 7366
Ion Ratio Lower Upper
117 100
119 67.2 78.6 117.8#
121 48.9 24.7 37.1#

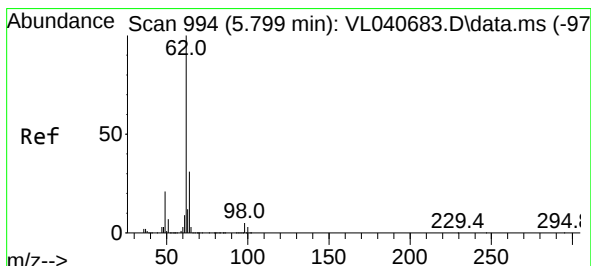
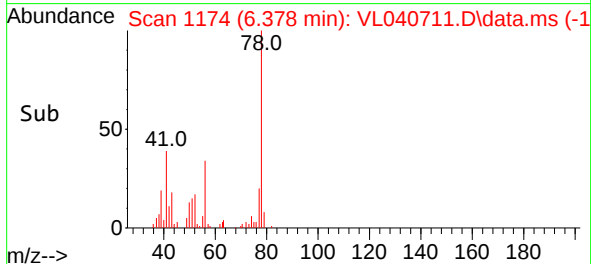
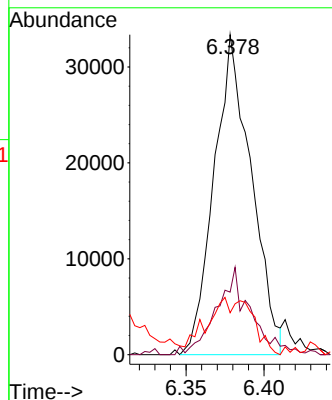
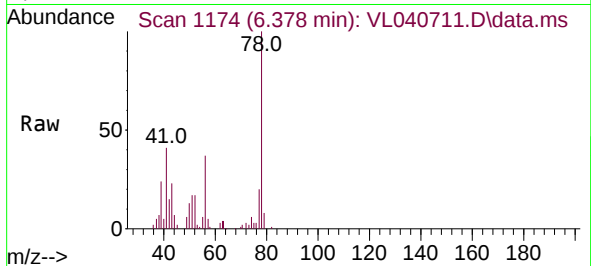




#36
Benzene
Concen: 0.247 ppbv
RT: 6.378 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

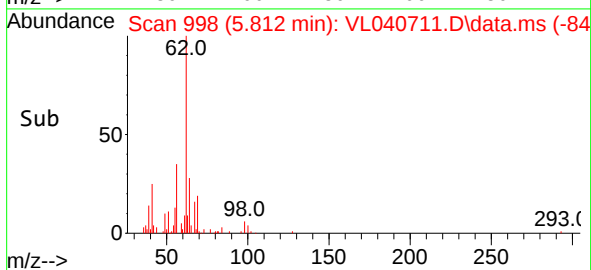
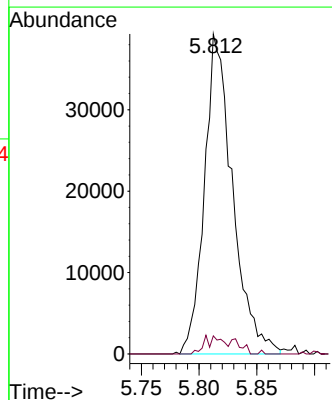
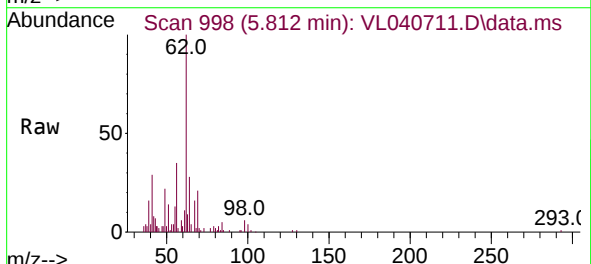
Instrument :
MSVOA_L
ClientSampleId :
IA1

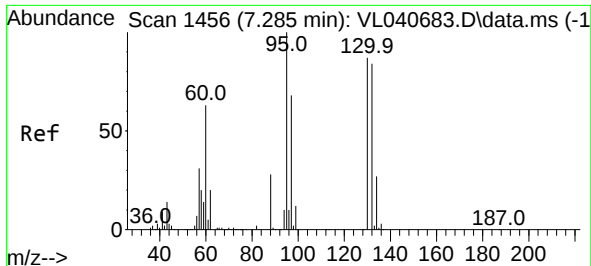
Tgt Ion: 78 Resp: 55325
Ion Ratio Lower Upper
78 100
77 17.0 17.9 26.9#
50 13.2 17.3 25.9#



#37
1,2-Dichloroethane
Concen: 0.434 ppbv
RT: 5.812 min Scan# 998
Delta R.T. -0.003 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion: 62 Resp: 66598
Ion Ratio Lower Upper
62 100
98 5.6 4.2 6.4

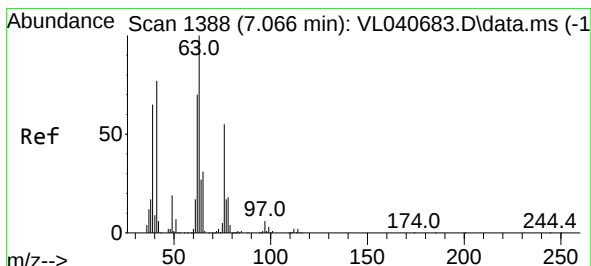
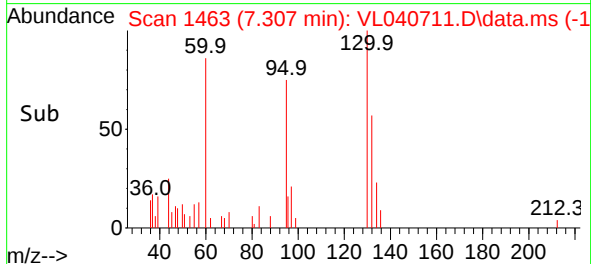
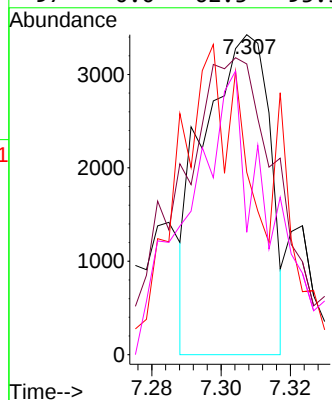
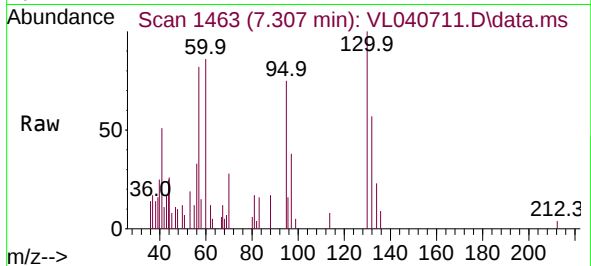




#38
 Trichloroethene
 Concen: 0.053 ppbv
 RT: 7.307 min Scan# 1456
 Delta R.T. 0.006 min
 Lab File: VL040711.D
 Acq: 18 Sep 2023 23:02

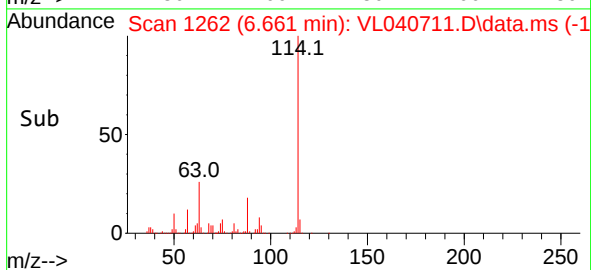
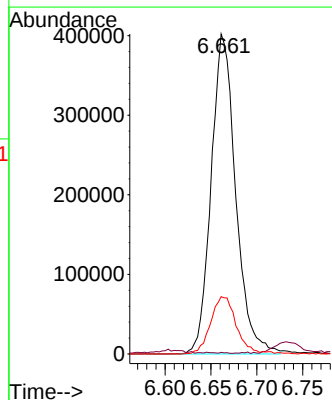
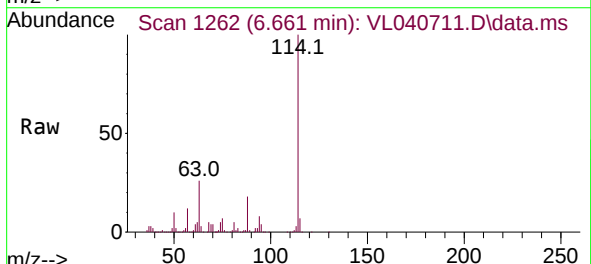
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

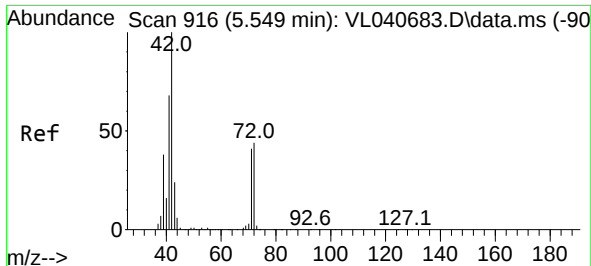
Tgt Ion:130 Resp: 4566
 Ion Ratio Lower Upper
 130 100
 95 42.6 91.9 137.9#
 132 0.0 77.3 115.9#
 97 0.0 62.3 93.5#



#39
 1,2-Dichloropropane
 Concen: 8.672 ppbv
 RT: 6.661 min Scan# 1262
 Delta R.T. -0.421 min
 Lab File: VL040711.D
 Acq: 18 Sep 2023 23:02

Tgt Ion: 63 Resp: 748232
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.6 92.4#
 62 17.9 55.8 83.8#

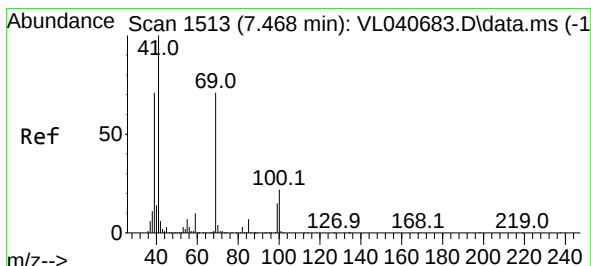
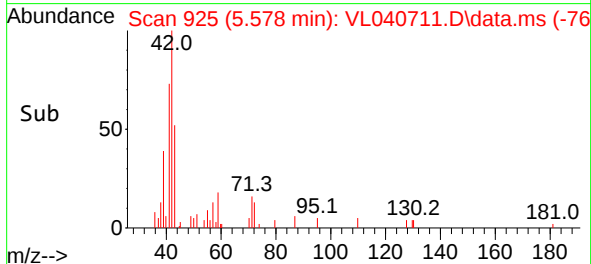
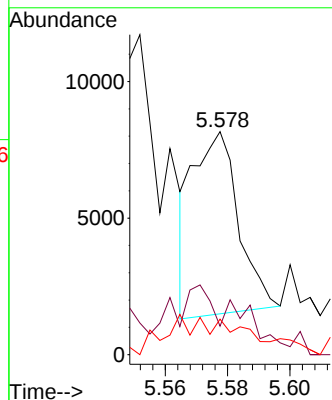
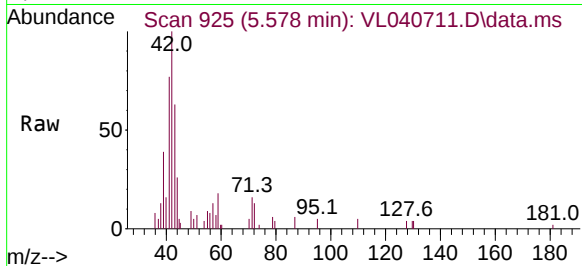




#41
Tetrahydrofuran
Concen: 0.088 ppbv
RT: 5.578 min Scan# 916
Delta R.T. 0.016 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

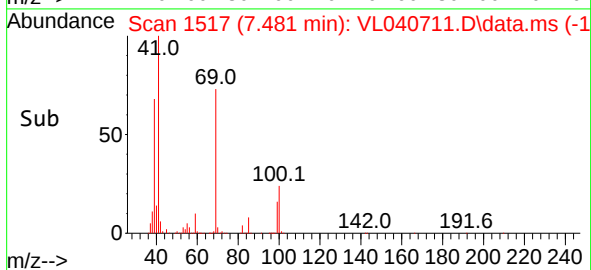
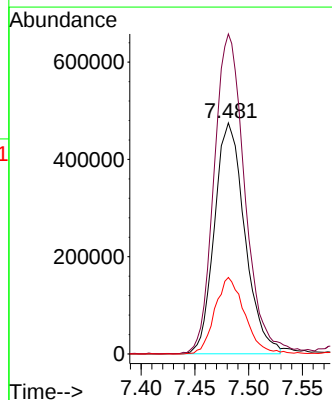
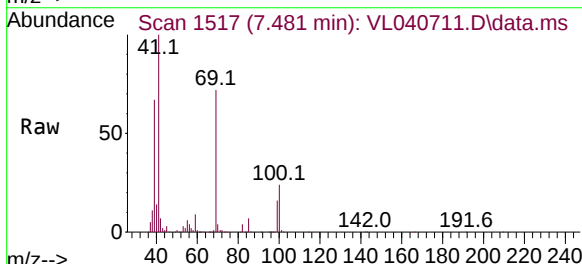
Instrument :
MSVOA_L
ClientSampleId :
IA1

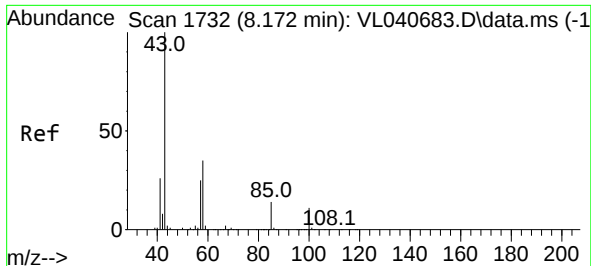
Tgt Ion: 42 Resp: 6845
Ion Ratio Lower Upper
42 100
72 57.1 34.9 52.3#
71 39.8 33.8 50.8



#43
Methyl Methacrylate
Concen: 11.183 ppbv
RT: 7.481 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion: 69 Resp: 931735
Ion Ratio Lower Upper
69 100
41 140.9 113.8 170.8
100 32.6 25.4 38.0





#50

4-Methyl-2-Pentanone

Concen: 0.039 ppbv

RT: 8.198 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL040711.D

Acq: 18 Sep 2023 23:02

Instrument :

MSVOA_L

ClientSampleId :

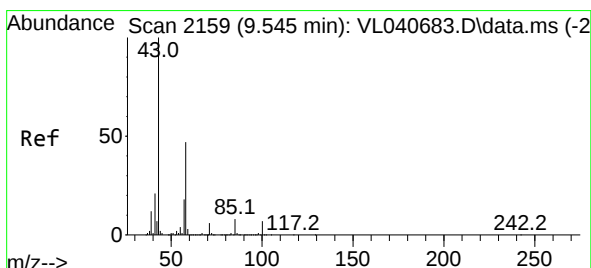
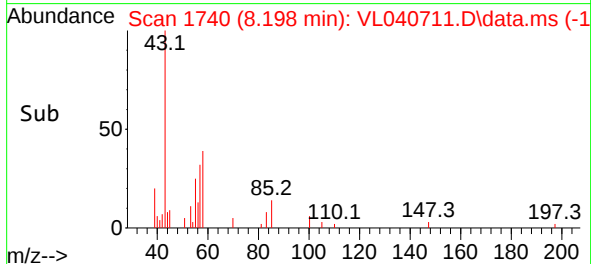
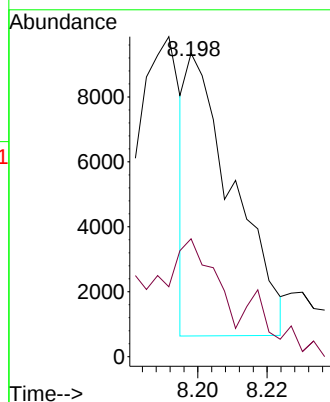
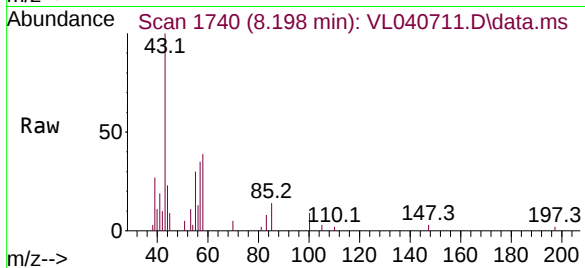
IA1

Tgt Ion: 43 Resp: 8125

Ion Ratio Lower Upper

43 100

58 92.2 28.2 42.4#



#51

2-Hexanone

Concen: 0.035 ppbv

RT: 9.552 min Scan# 2161

Delta R.T. -0.003 min

Lab File: VL040711.D

Acq: 18 Sep 2023 23:02

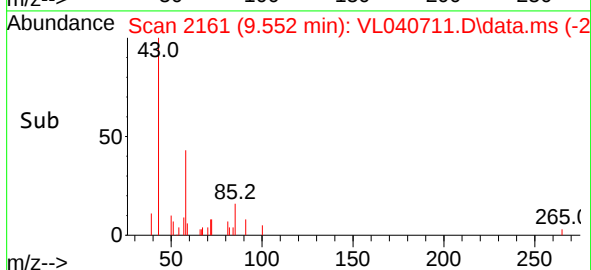
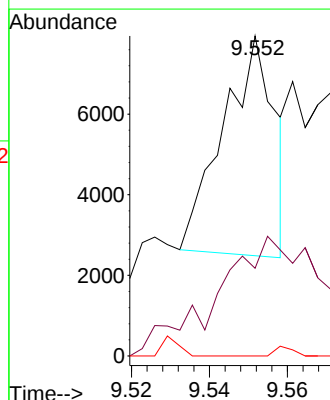
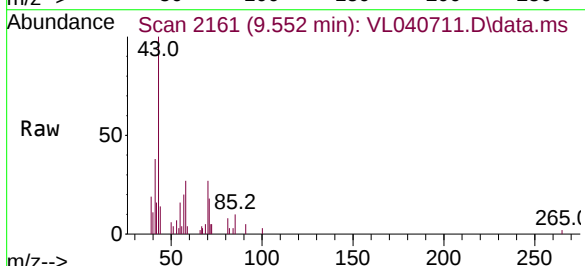
Tgt Ion: 43 Resp: 4989

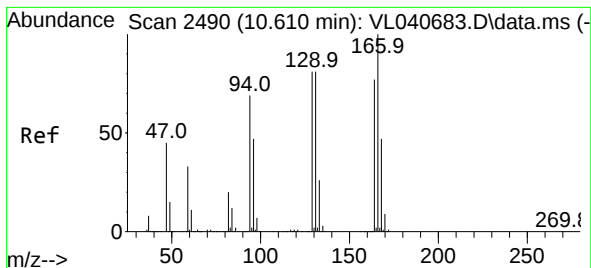
Ion Ratio Lower Upper

43 100

58 160.9 37.6 56.4#

98 2.9 0.6 1.0#





#52

Tetrachloroethene

Concen: 0.556 ppbv

RT: 10.619 min Scan# 2493

Delta R.T. -0.006 min

Lab File: VL040711.D

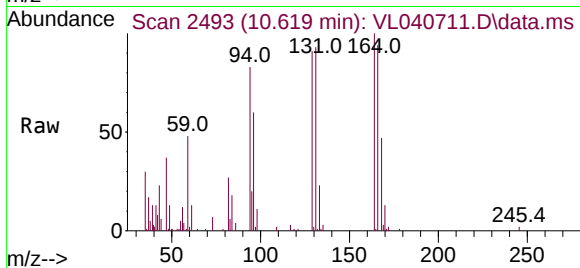
Acq: 18 Sep 2023 23:02

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion:164 Resp: 40679

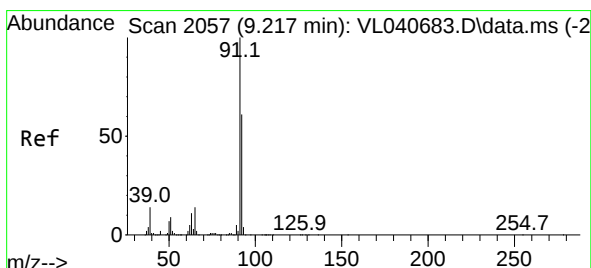
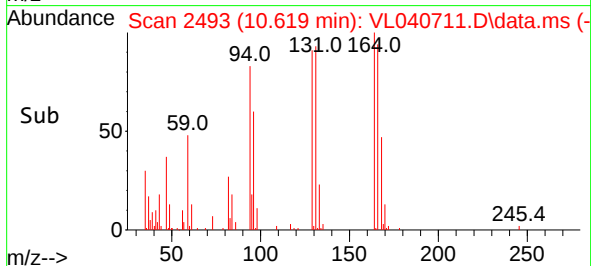
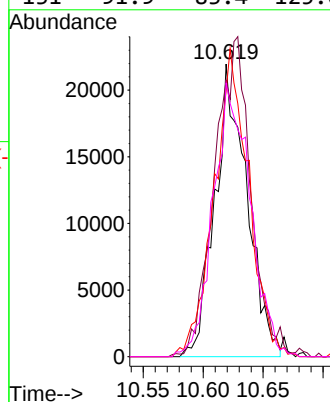
Ion Ratio Lower Upper

164 100

166 93.6 103.4 155.2#

129 88.2 83.5 125.3

131 91.9 83.4 125.0



#53

Toluene

Concen: 5.180 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VL040711.D

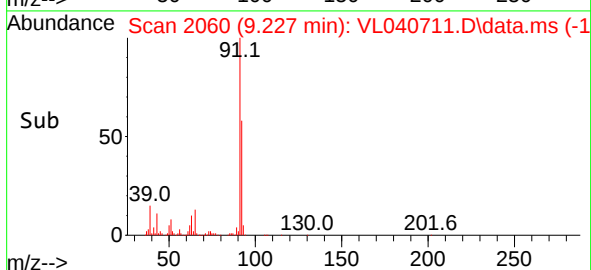
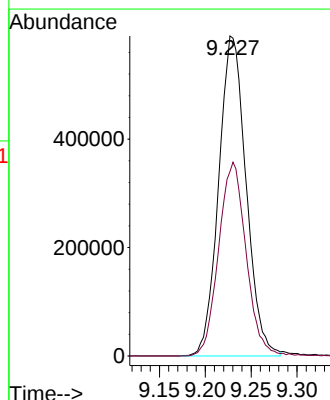
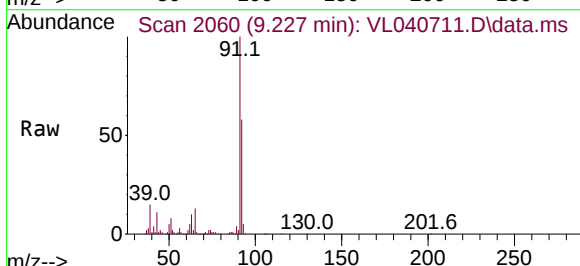
Acq: 18 Sep 2023 23:02

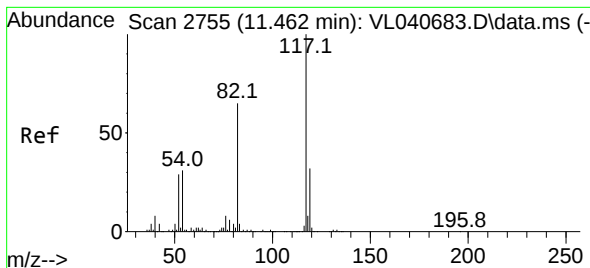
Tgt Ion: 91 Resp: 1225875

Ion Ratio Lower Upper

91 100

92 61.0 48.5 72.7

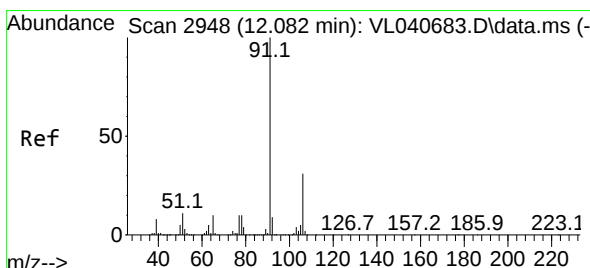
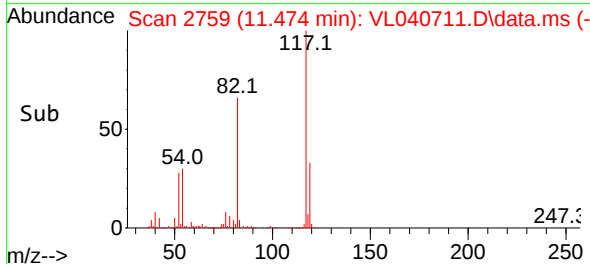
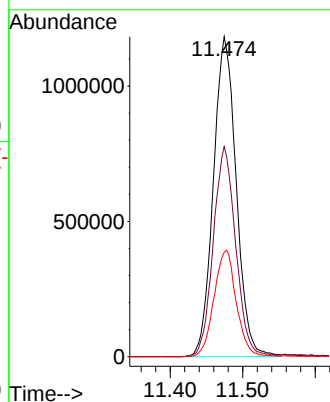
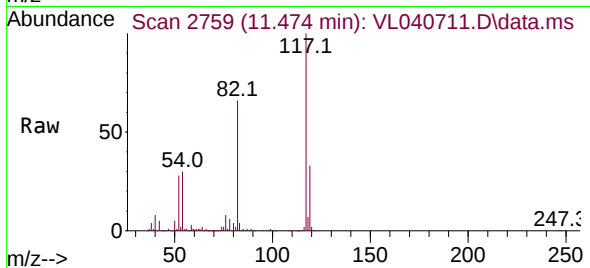




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

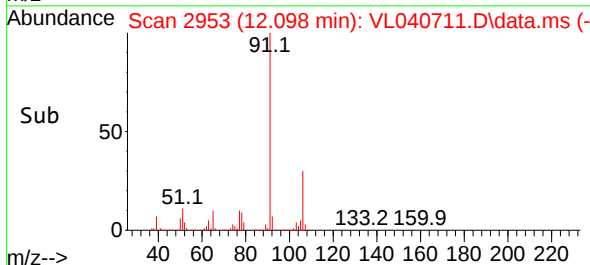
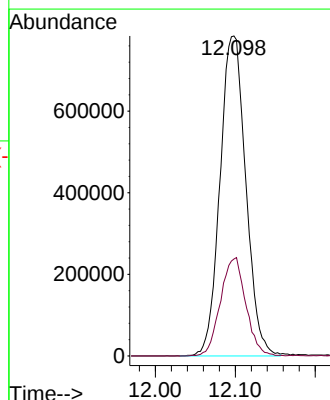
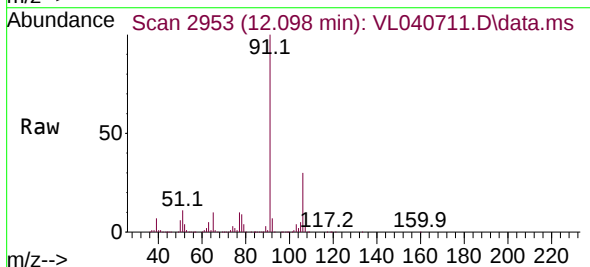
Instrument :
MSVOA_L
ClientSampleId :
IA1

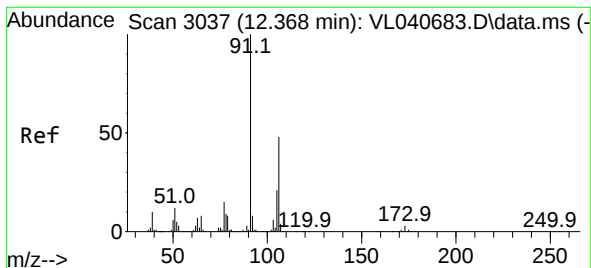
Tgt Ion:117 Resp: 2588342
Ion Ratio Lower Upper
117 100
82 64.4 51.4 77.0
119 32.7 24.7 37.1



#58
Ethyl Benzene
Concen: 5.954 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. -0.003 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion: 91 Resp: 1756877
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1

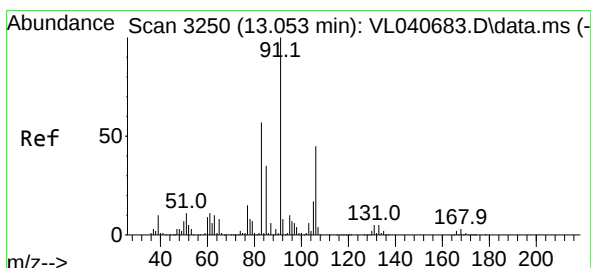
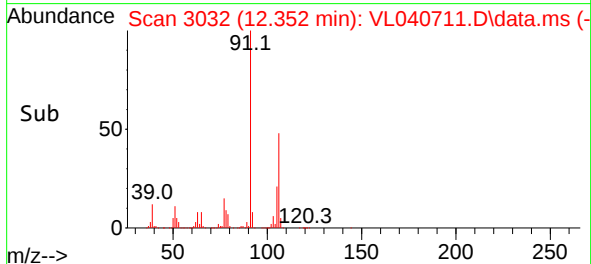
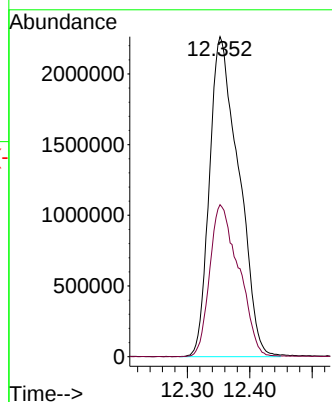
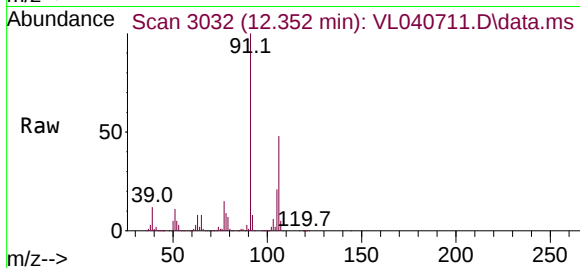




#59
m/p-Xylene
Concen: 26.621 ppbv
RT: 12.352 min Scan# 3032
Delta R.T. -0.029 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

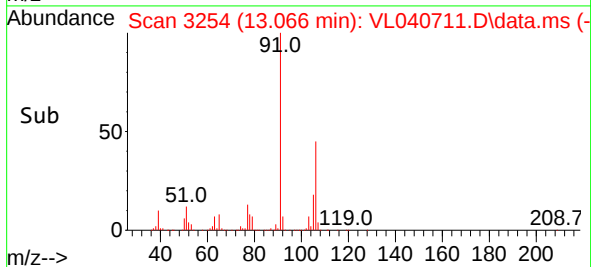
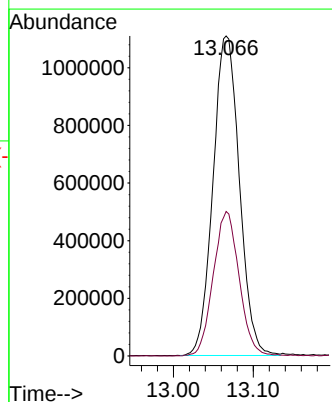
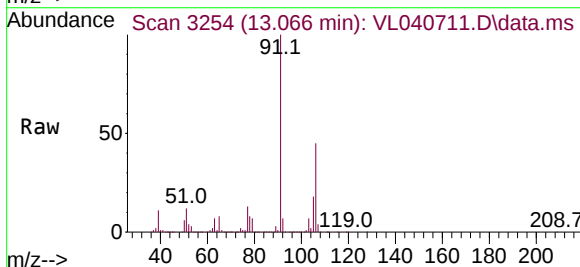
Instrument :
MSVOA_L
ClientSampleId :
IA1

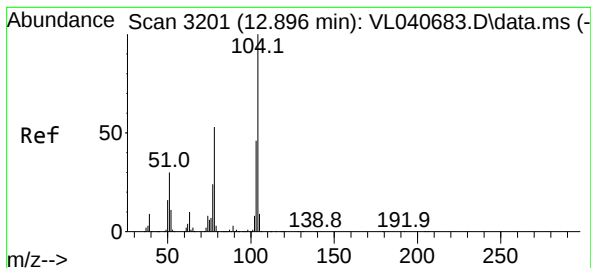
Tgt Ion: 91 Resp: 7376671
Ion Ratio Lower Upper
91 100
106 47.5 34.8 52.2



#60
o-Xylene
Concen: 9.618 ppbv
RT: 13.066 min Scan# 3254
Delta R.T. -0.003 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion: 91 Resp: 2541564
Ion Ratio Lower Upper
91 100
106 44.5 22.3 66.9





#61

Styrene

Concen: 3.228 ppbv

RT: 12.908 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040711.D

Acq: 18 Sep 2023 23:02

Instrument :

MSVOA_L

ClientSampleId :

IA1

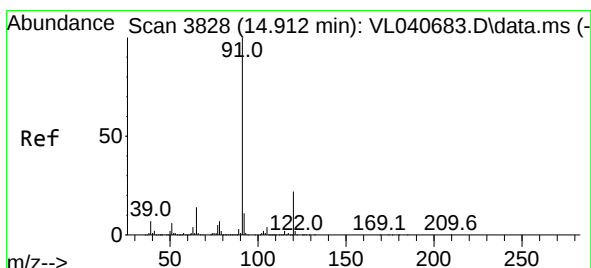
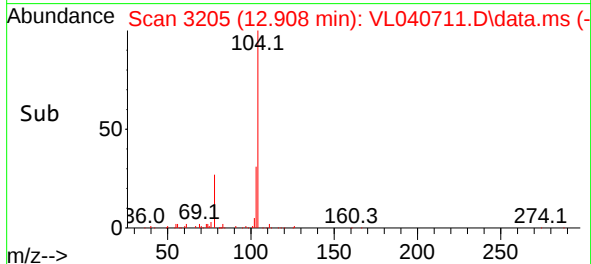
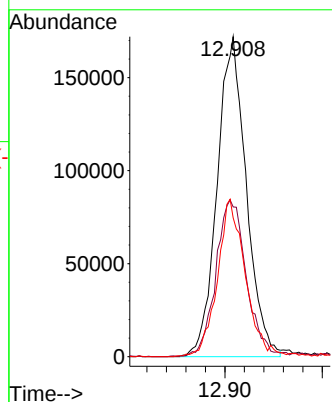
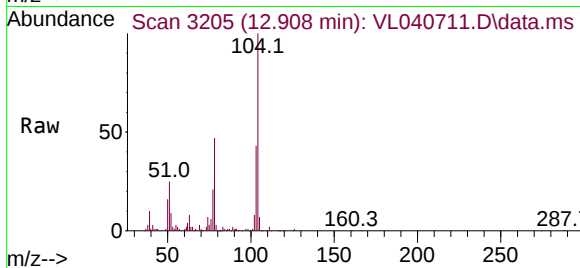
Tgt Ion:104 Resp: 357500

Ion Ratio Lower Upper

104 100

78 52.1 43.4 65.0

103 47.5 37.2 55.8



#64

n-propylbenzene

Concen: 0.036 ppbv

RT: 14.924 min Scan# 3832

Delta R.T. 0.000 min

Lab File: VL040711.D

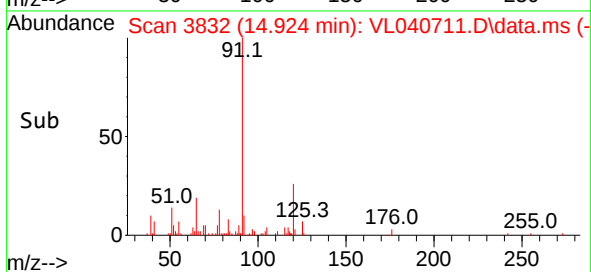
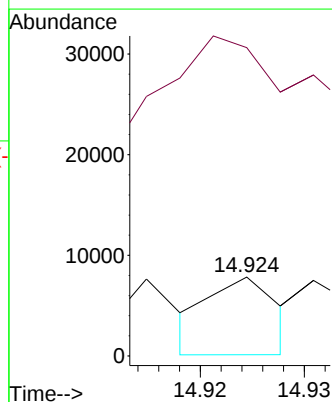
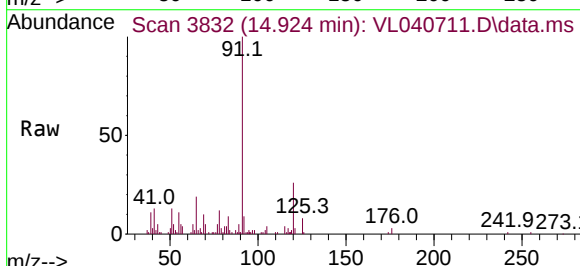
Acq: 18 Sep 2023 23:02

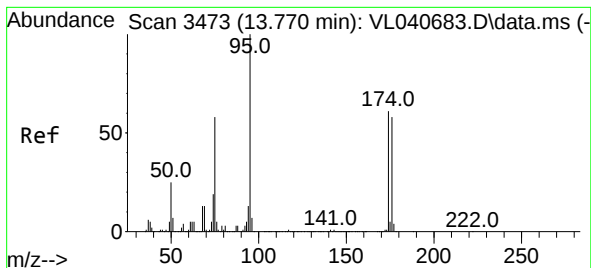
Tgt Ion:120 Resp: 3574

Ion Ratio Lower Upper

120 100

91 2038.1 386.9 580.3#

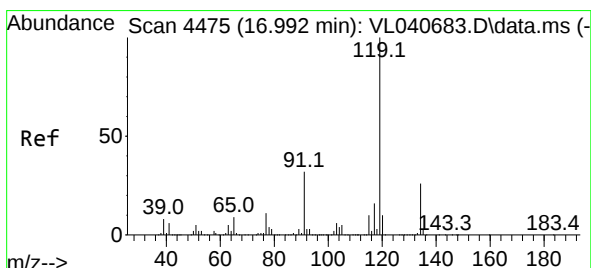
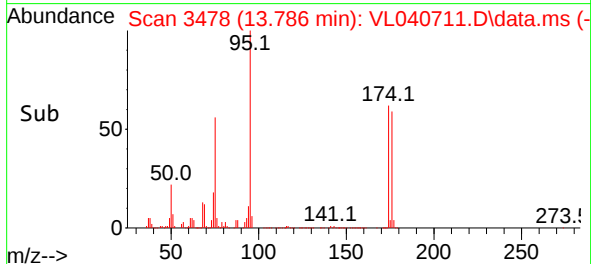
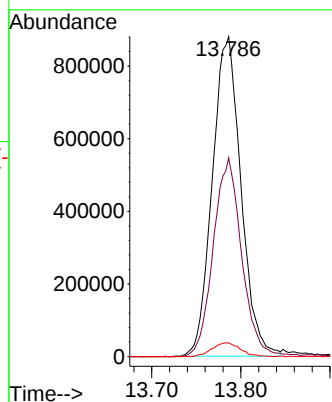
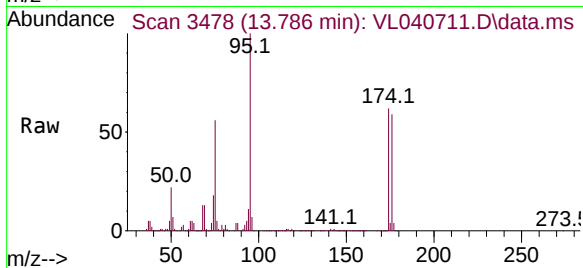




#68
1-Bromo-4-Fluorobenzene
Concen: 9.828 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.000 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

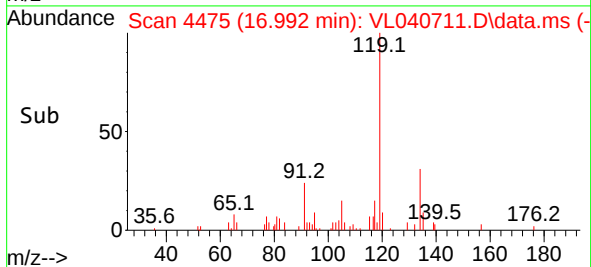
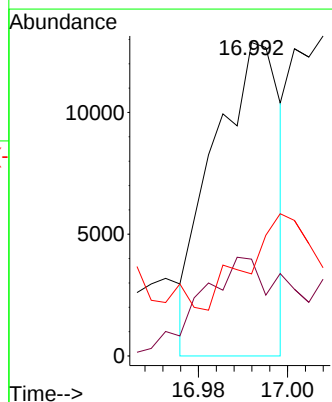
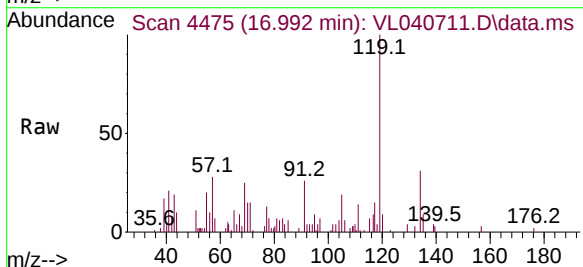
Instrument :
MSVOA_L
ClientSampleId :
IA1

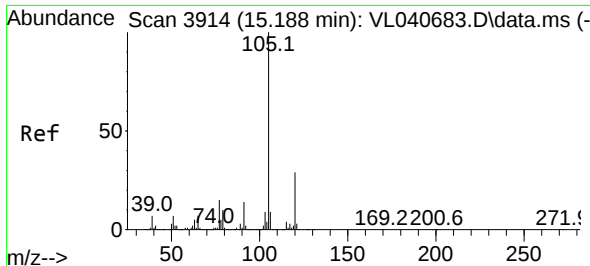
Tgt Ion: 95 Resp: 1965449
Ion Ratio Lower Upper
95 100
174 62.6 48.9 73.3
175 4.4 3.5 5.3



#69
p-Isopropyltoluene
Concen: 0.033 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. -0.010 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion: 119 Resp: 13342
Ion Ratio Lower Upper
119 100
134 73.5 20.2 30.2#
91 100.6 25.0 37.6#

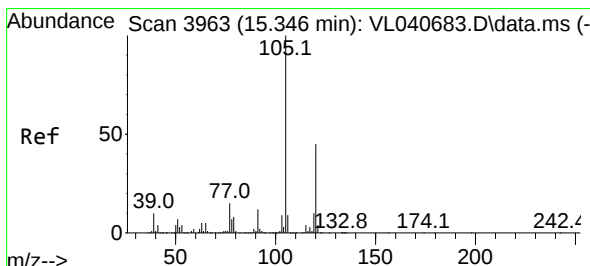
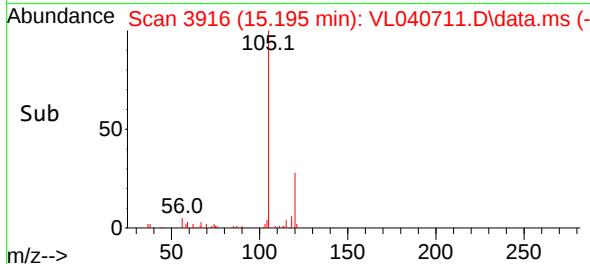
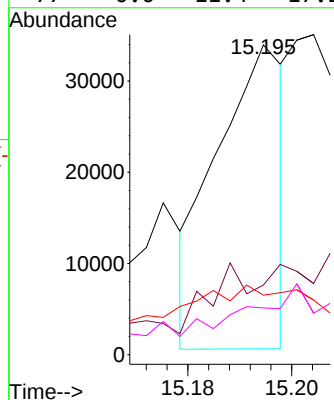
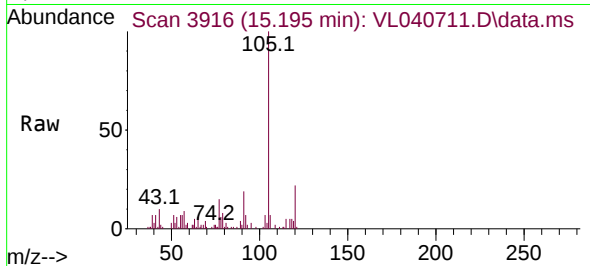




#72
4-Ethyltoluene
Concen: 0.101 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. -0.006 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

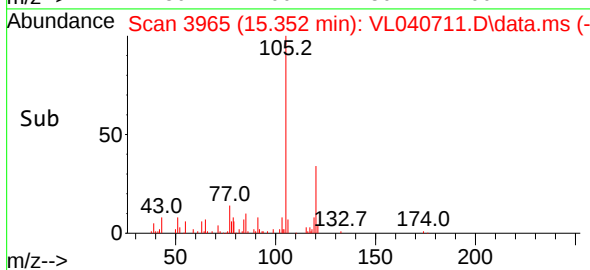
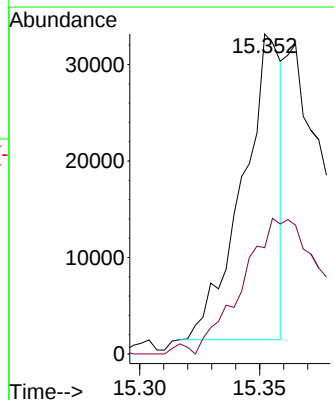
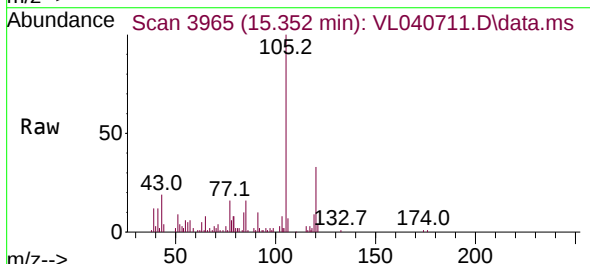
Instrument :
MSVOA_L
ClientSampleId :
IA1

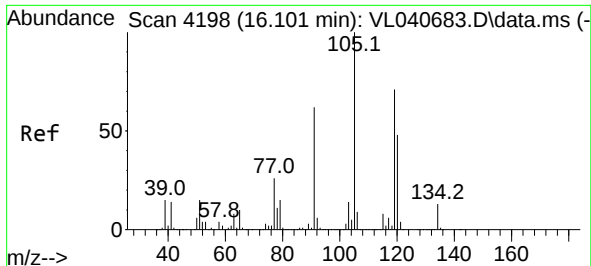
Tgt Ion:105	Resp:	30002
Ion Ratio	Lower	Upper
105	100	
120	0.0	23.9 35.9#
91	68.5	11.0 16.4#
77	0.0	11.4 17.2#



#73
1,3,5-Trimethylbenzene
Concen: 0.132 ppbv
RT: 15.352 min Scan# 3965
Delta R.T. -0.010 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion:105	Resp:	35339
Ion Ratio	Lower	Upper
105	100	
120	31.6	36.1 54.1#

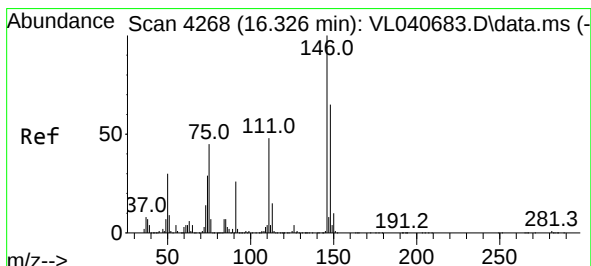
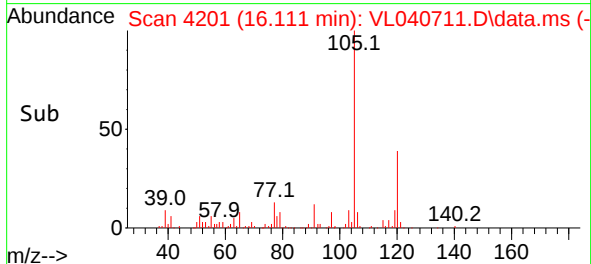
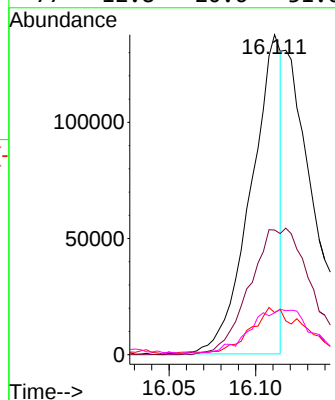
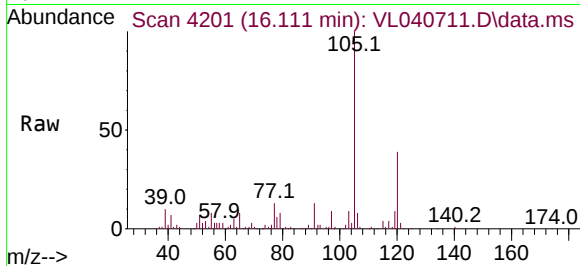




#74
1,2,4-Trimethylbenzene
Concen: 0.513 ppbv
RT: 16.111 min Scan# 4316
Delta R.T. -0.006 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

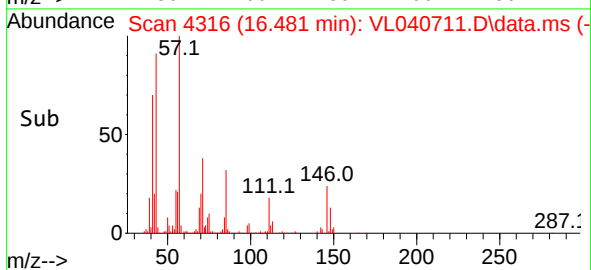
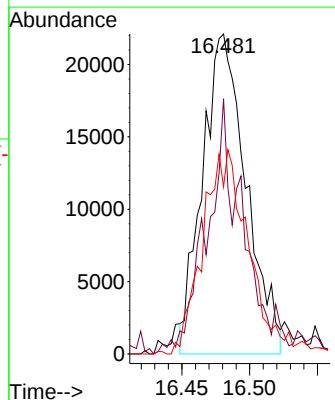
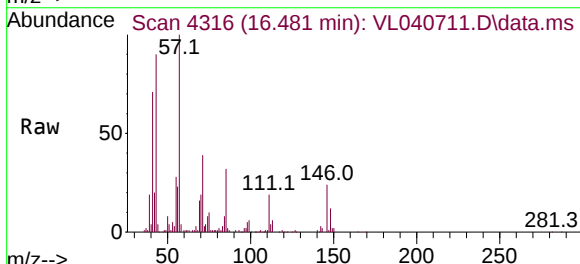
Instrument :
MSVOA_L
ClientSampleId :
IA1

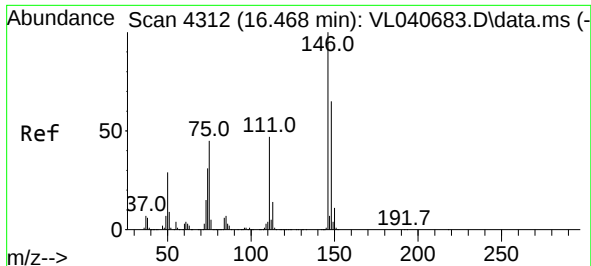
Tgt Ion:105 Resp: 167000
Ion Ratio Lower Upper
105 100
120 39.2 38.6 57.8
91 12.5 50.0 75.0#
77 12.8 20.6 31.0#



#75
1,3-Dichlorobenzene
Concen: 0.267 ppbv
RT: 16.481 min Scan# 4316
Delta R.T. 0.142 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion:146 Resp: 49503
Ion Ratio Lower Upper
146 100
111 69.7 23.9 71.7
148 68.4 31.8 95.4

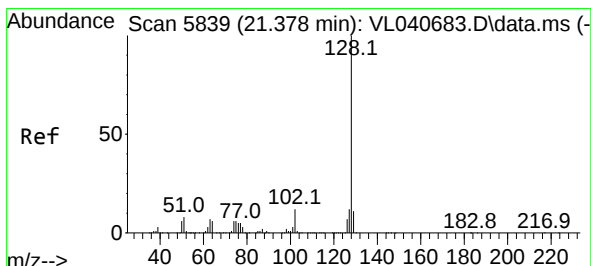
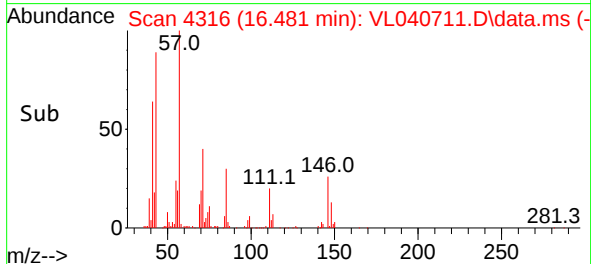
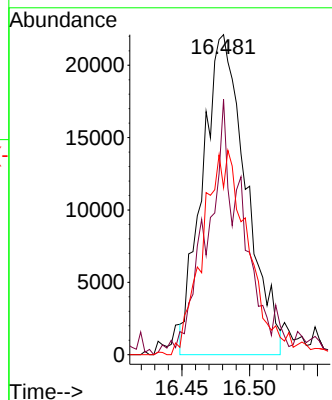
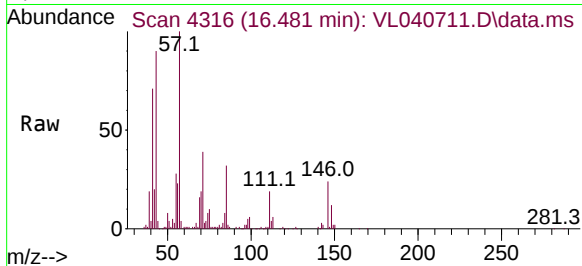




#76
1,4-Dichlorobenzene
Concen: 0.271 ppbv
RT: 16.481 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:	146	Resp:	49503
Ion Ratio	Lower	Upper	
146	100		
111	70.8	23.8	71.2
148	68.4	32.6	97.7



#79
Naphthalene
Concen: 0.148 ppbv
RT: 21.394 min Scan# 5844
Delta R.T. 0.000 min
Lab File: VL040711.D
Acq: 18 Sep 2023 23:02

Tgt Ion:	128	Resp:	29877
Ion Ratio	Lower	Upper	
128	100		
127	15.9	9.8	14.6#
129	11.9	8.4	12.6

