

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040709.D
 Acq On : 18 Sep 2023 21:42
 Operator : SY/MD
 Sample : 04403-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 29W-2

Quant Time: Sep 19 05:22:29 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	5.198	49	1050262	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2812549	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2390193	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1799567	9.745	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	112366	0.486	ppbv	94
3) Chlorodifluoromethane	2.655	51	804481	4.702	ppbv #	74
4) Chloromethane	2.816	50	57443	0.877	ppbv	94
7) Chloroethane	3.198	64	896	0.034	ppbv #	68
9) Propene	2.877	41	652335	13.235	ppbv	87
10) Heptane	7.584	43	28061	0.253	ppbv #	47
11) Trichlorofluoromethane	3.571	101	50451	0.248	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.076	101	7142	0.049	ppbv #	57
13) Ethanol	3.253	45	11764905	806.397	ppbv	96
15) Acetone	3.468	43	5198534	37.526	ppbv	96
16) 1,3-Butadiene	2.970	39	27430	0.454	ppbv #	37
17) tert-Butyl alcohol	3.906	59	65137	0.459	ppbv #	91
19) Isopropyl Alcohol	3.594	45	1741350	20.861	ppbv #	1
20) Methylene Chloride	3.938	84	123337	1.654	ppbv	94
23) Vinyl Acetate	4.632	43	75226	0.525	ppbv #	1
25) Ethyl Acetate	5.211	43	856224	3.832	ppbv #	96
26) Hexane	5.221	57	576799	5.460	ppbv #	70
27) Carbon Disulfide	4.131	76	26556	0.180	ppbv #	36
29) Chloroform	5.282	83	95607	0.524	ppbv	98
30) Cyclohexane	6.613	84	10404	0.131	ppbv #	1
31) cis-1,2-Dichloroethene	5.208	61	60934	0.622	ppbv #	26
34) 2-Butanone	4.793	43	215233	1.522	ppbv	93
36) Benzene	6.378	78	168027	0.807	ppbv #	95
37) 1,2-Dichloroethane	5.815	62	9125	0.064	ppbv #	92
39) 1,2-Dichloropropane	6.658	63	694108	8.658	ppbv #	23
41) Tetrahydrofuran	5.571	42	3954	0.055	ppbv #	1
44) 2,2,4-Trimethylpentane	7.330	57	397069	1.197	ppbv	92
50) 4-Methyl-2-Pentanone	8.198	43	8846	0.046	ppbv #	39
51) 2-Hexanone	9.561	43	17219	0.131	ppbv #	76
52) Tetrachloroethene	10.619	164	4103	0.060	ppbv #	55
53) Toluene	9.227	91	1192987	5.425	ppbv	99
58) Ethyl Benzene	12.092	91	46293	0.170	ppbv	91
59) m/p-Xylene	12.352	91	293972	1.149	ppbv	96
60) o-Xylene	13.060	91	62809	0.257	ppbv #	31
61) Styrene	12.905	104	78635	0.769	ppbv	98
66) Benzyl Chloride	16.146	91	1254	0.032	ppbv #	80
69) p-Isopropyltoluene	17.005	119	176321	0.474	ppbv	94
71) 2-Chlorotoluene	14.921	91	12155	0.045	ppbv #	49
72) 4-Ethyltoluene	15.201	105	23058	0.084	ppbv #	74
73) 1,3,5-Trimethylbenzene	15.358	105	7643	0.031	ppbv #	35
74) 1,2,4-Trimethylbenzene	16.111	105	19254	0.064	ppbv #	28
75) 1,3-Dichlorobenzene	16.477	146	60677	0.355	ppbv #	37
76) 1,4-Dichlorobenzene	16.477	146	60677	0.360	ppbv #	38

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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

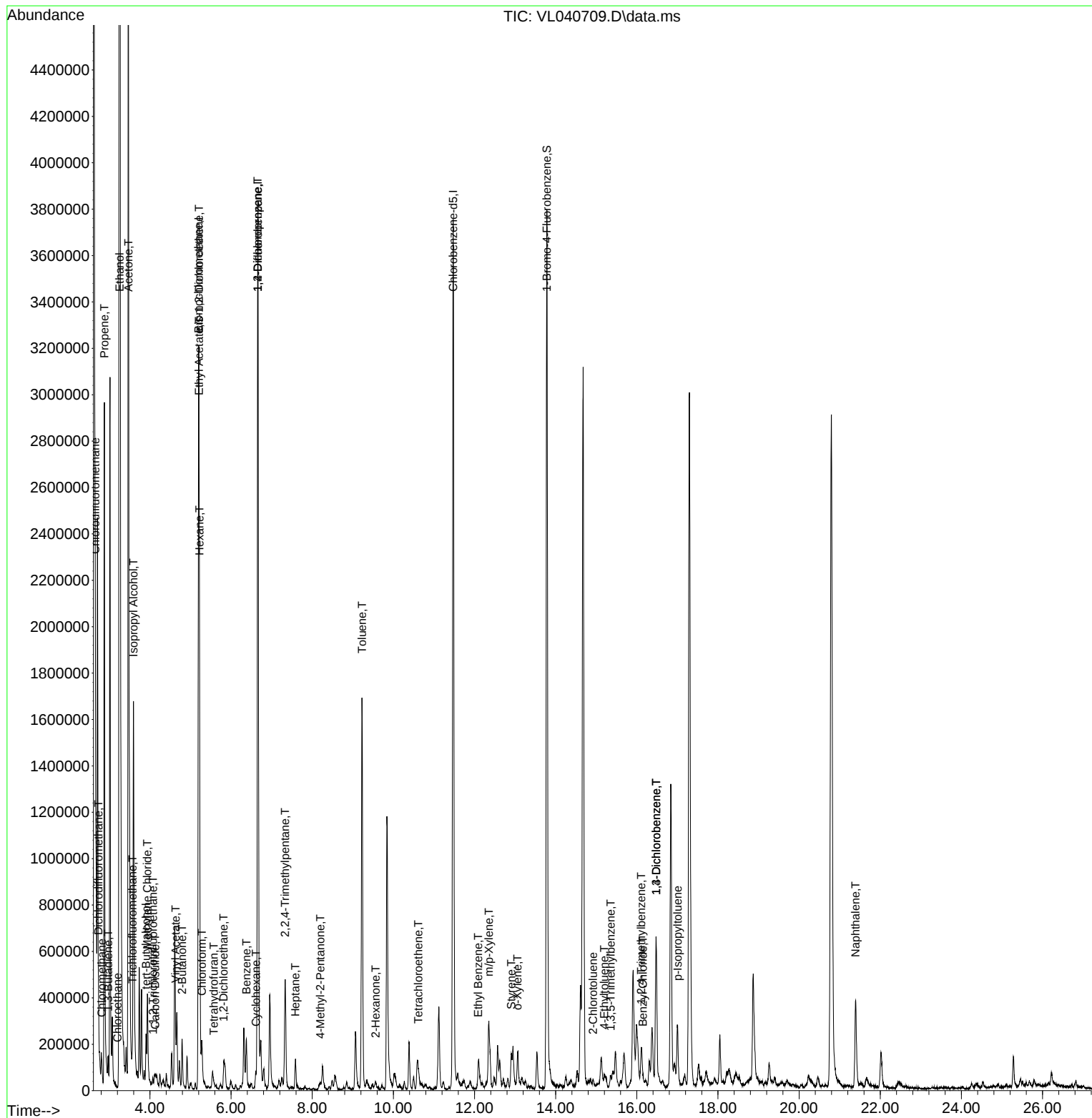
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	21.390	128	260228	1.392	ppbv	98

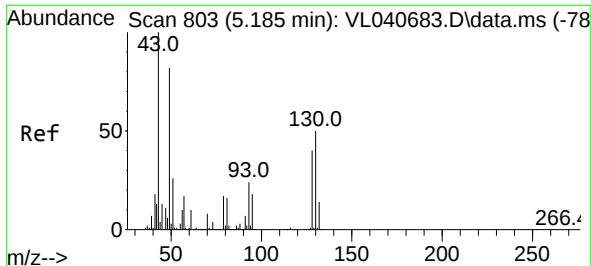
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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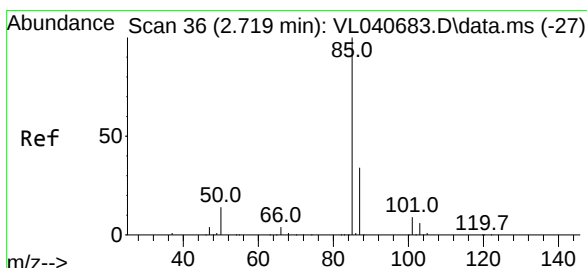
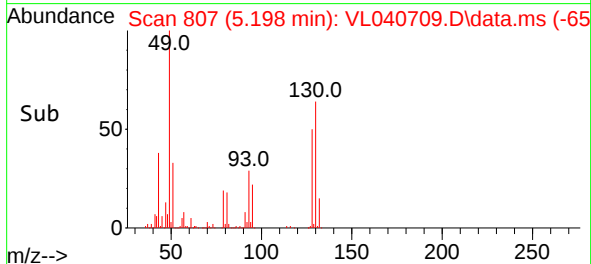
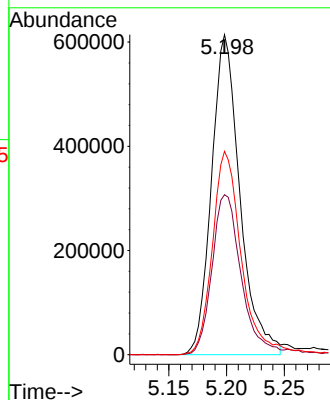
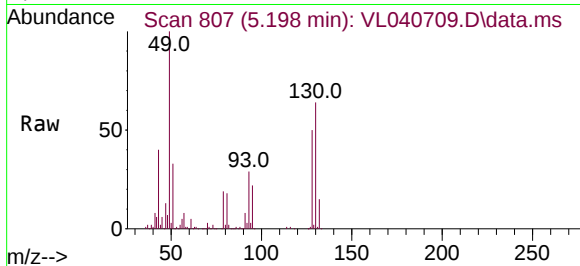




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

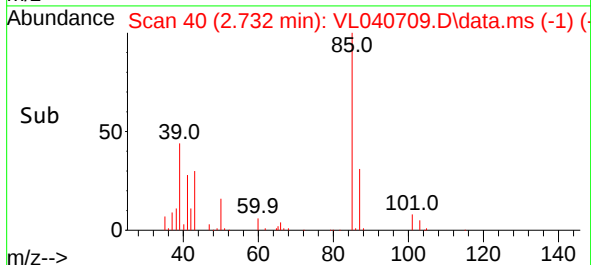
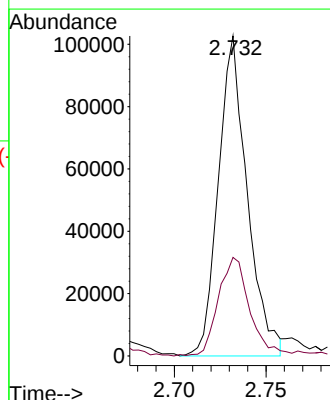
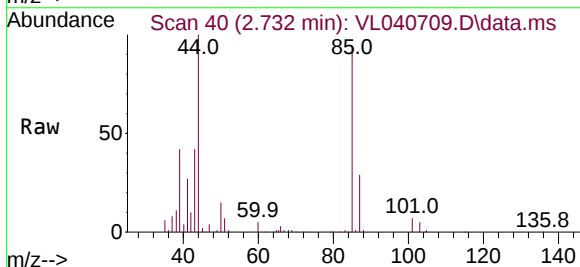
Instrument :
MSVOA_L
ClientSampleId :
29W-2

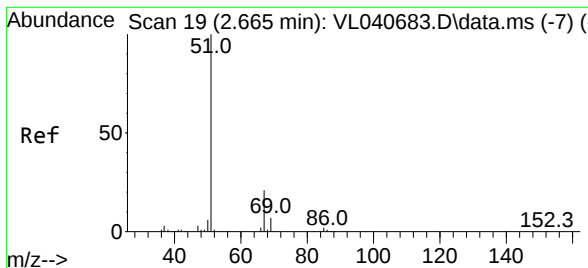
Tgt Ion: 49 Resp: 1050262
Ion Ratio Lower Upper
49 100
128 53.4 25.4 76.0
130 65.9 32.3 96.8



#2
Dichlorodifluoromethane
Concen: 0.486 ppbv
RT: 2.732 min Scan# 40
Delta R.T. -0.000 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 85 Resp: 112366
Ion Ratio Lower Upper
85 100
87 30.4 27.2 40.8





#3

Chlorodifluoromethane

Concen: 4.702 ppbv

RT: 2.655 min Scan# 1

Delta R.T. -0.023 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

Instrument :

MSVOA_L

ClientSampleId :

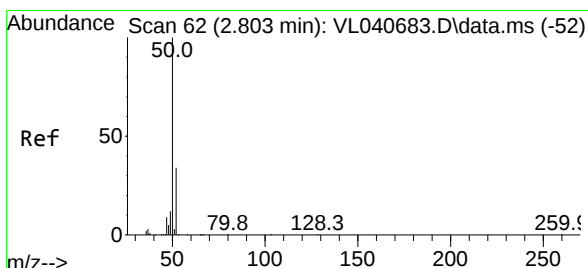
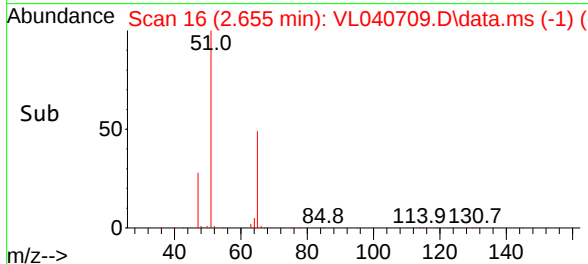
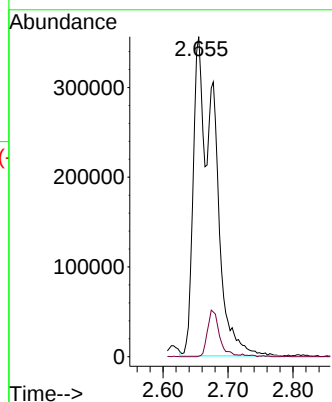
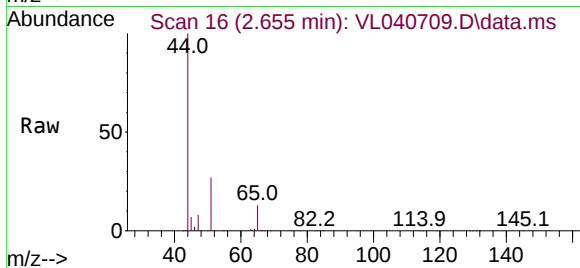
29W-2

Tgt Ion: 51 Resp: 804481

Ion Ratio Lower Upper

51 100

67 8.7 16.7 25.1#



#4

Chloromethane

Concen: 0.877 ppbv

RT: 2.816 min Scan# 66

Delta R.T. -0.000 min

Lab File: VL040709.D

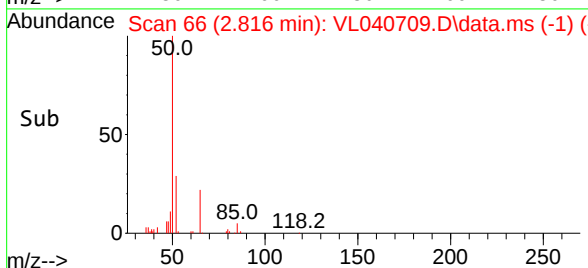
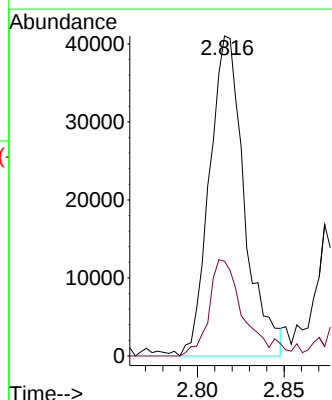
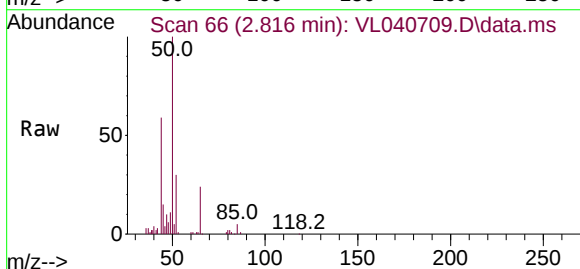
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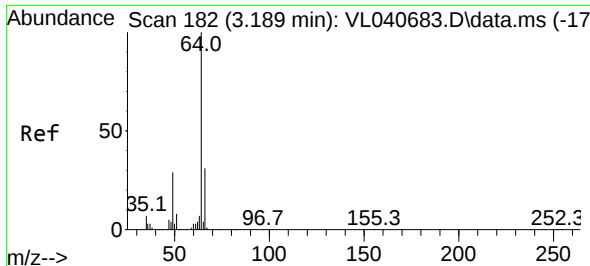
Tgt Ion: 50 Resp: 57443

Ion Ratio Lower Upper

50 100

52 30.3 27.1 40.7

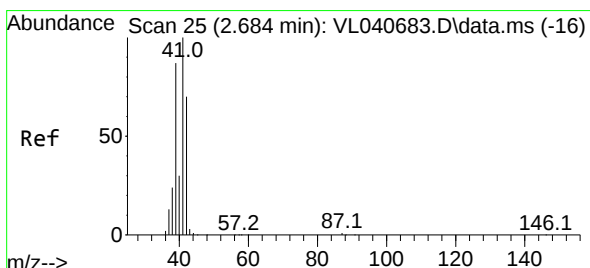
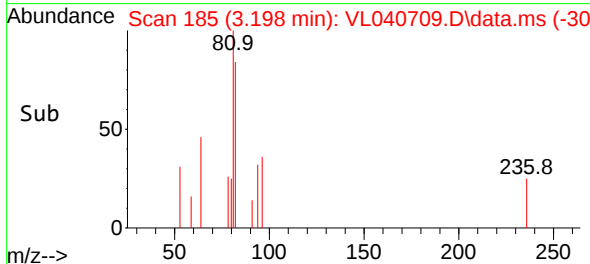
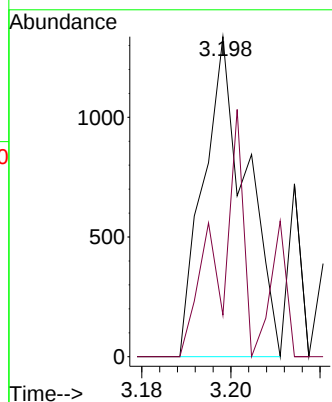
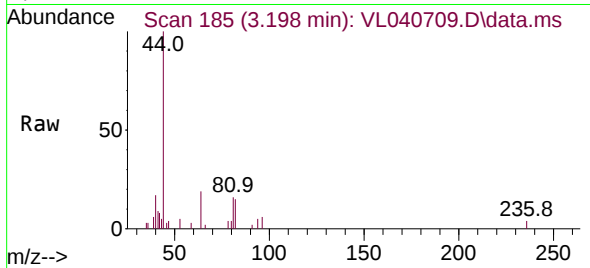




#7
Chloroethane
Concen: 0.034 ppbv
RT: 3.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

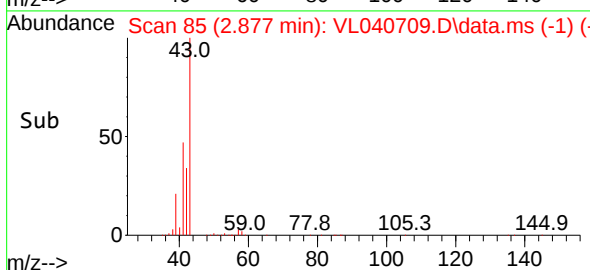
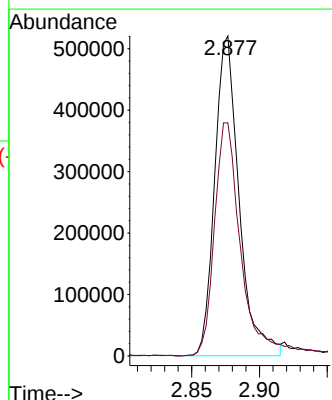
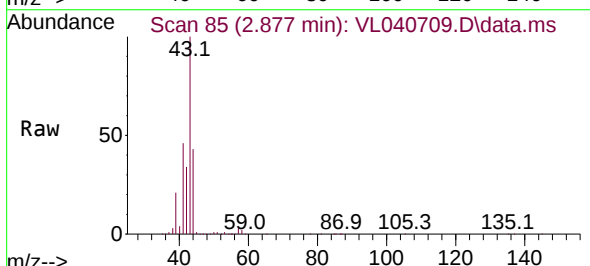
Instrument :
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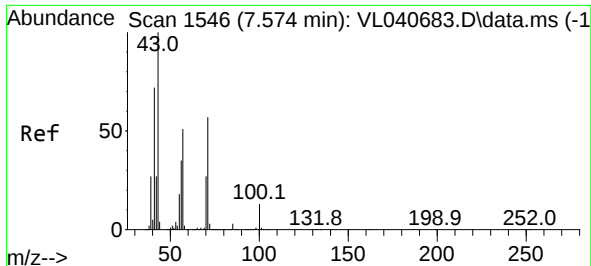
Tgt Ion: 64 Resp: 896
Ion Ratio Lower Upper
64 100
66 13.0 24.5 36.7#



#9
Propene
Concen: 13.235 ppbv
RT: 2.877 min Scan# 85
Delta R.T. 0.180 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 41 Resp: 652335
Ion Ratio Lower Upper
41 100
42 81.4 56.7 85.1

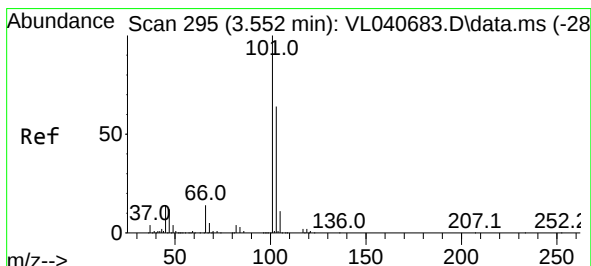
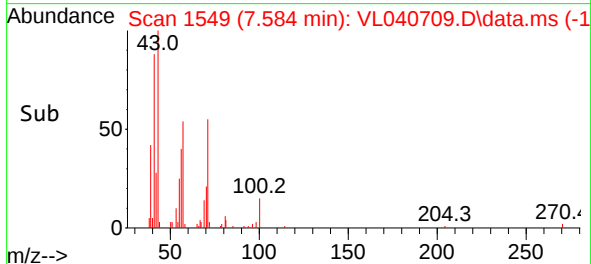
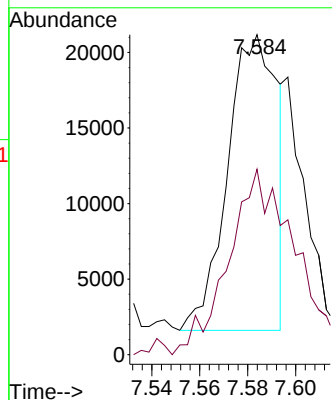
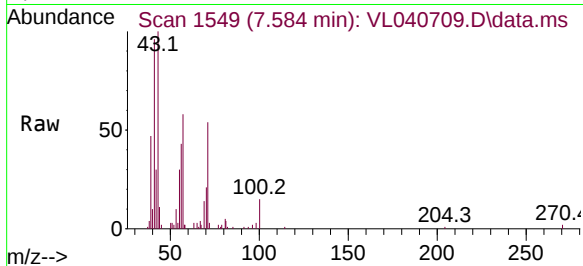




#10
Heptane
Concen: 0.253 ppbv
RT: 7.584 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

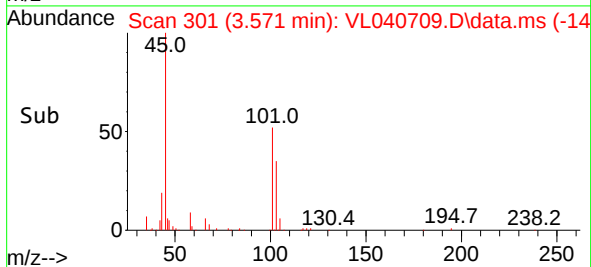
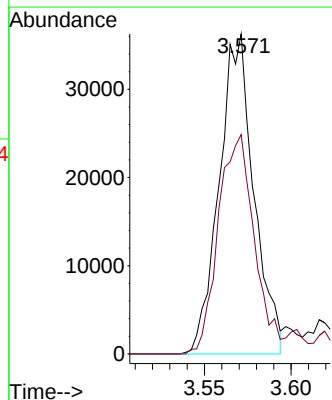
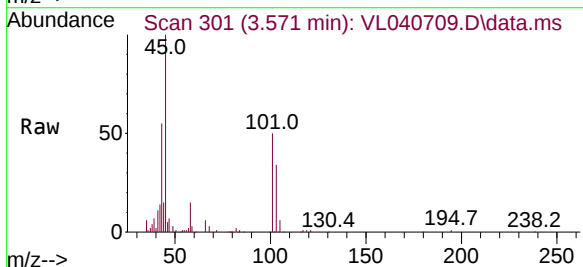
Instrument :
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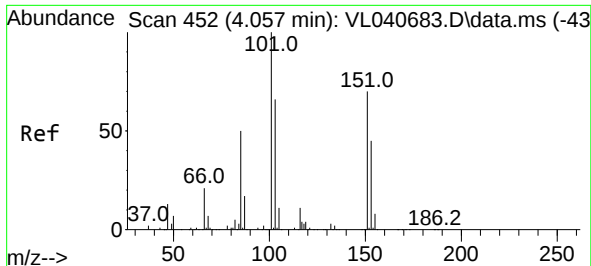
Tgt Ion: 43 Resp: 28061
Ion Ratio Lower Upper
43 100
57 89.9 41.8 62.6#



#11
Trichlorofluoromethane
Concen: 0.248 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.003 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 101 Resp: 50451
Ion Ratio Lower Upper
101 100
103 68.5 51.3 76.9

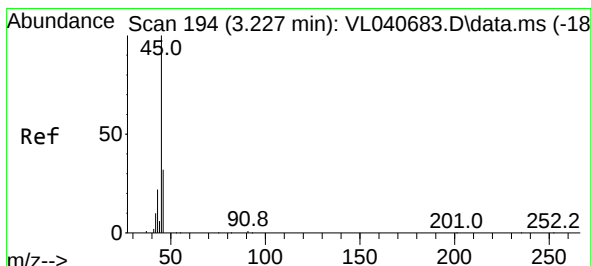
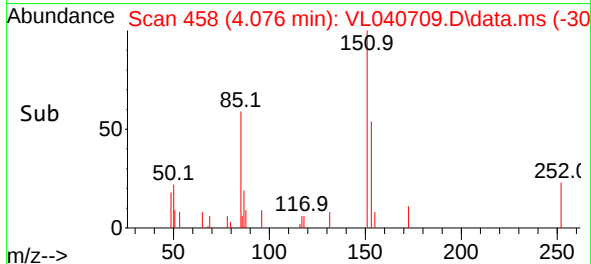
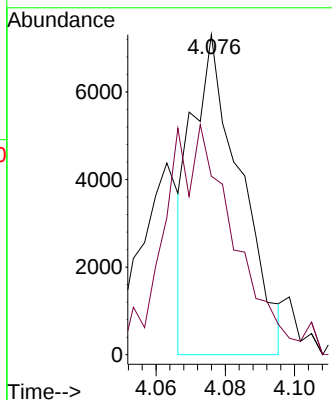
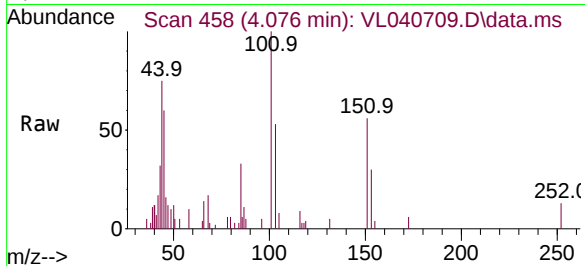




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.049 ppbv
RT: 4.076 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

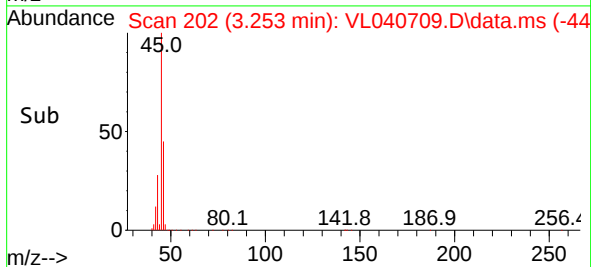
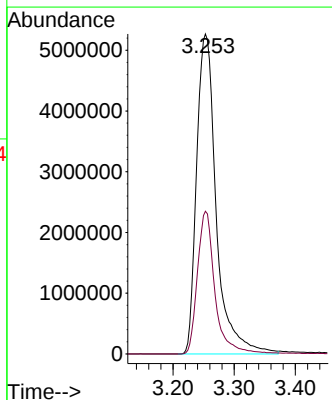
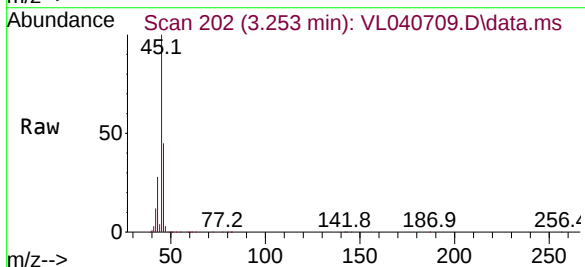
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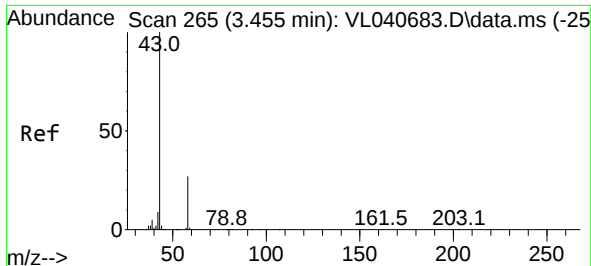
Tgt Ion:101 Resp: 7142
Ion Ratio Lower Upper
101 100
151 106.5 56.8 85.2#



#13
Ethanol
Concen: 806.397 ppbv
RT: 3.253 min Scan# 202
Delta R.T. 0.010 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 45 Resp:11764905
Ion Ratio Lower Upper
45 100
46 40.3 15.2 61.0





#15

Acetone

Concen: 37.526 ppbv

RT: 3.468 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

Instrument :

MSVOA_L

ClientSampleId :

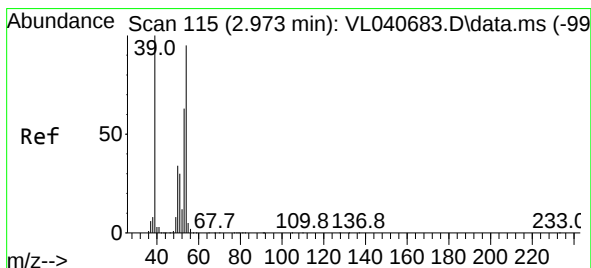
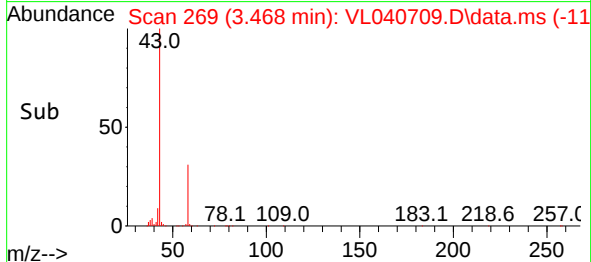
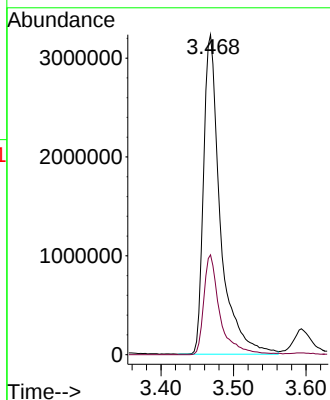
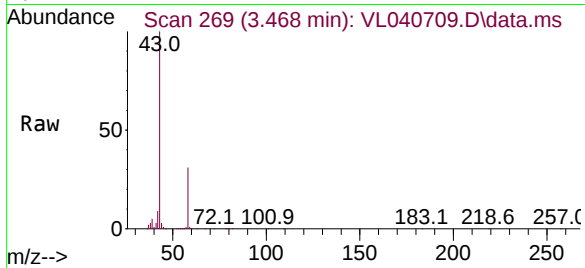
29W-2

Tgt Ion: 43 Resp: 5198534

Ion Ratio Lower Upper

43 100

58 30.3 22.6 34.0



#16

1,3-Butadiene

Concen: 0.454 ppbv

RT: 2.970 min Scan# 114

Delta R.T. -0.019 min

Lab File: VL040709.D

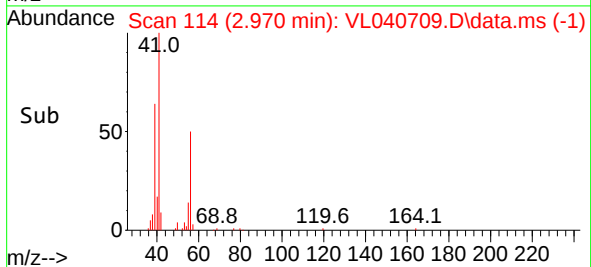
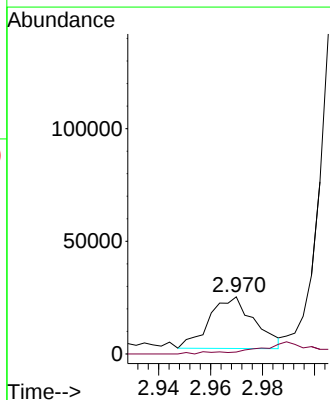
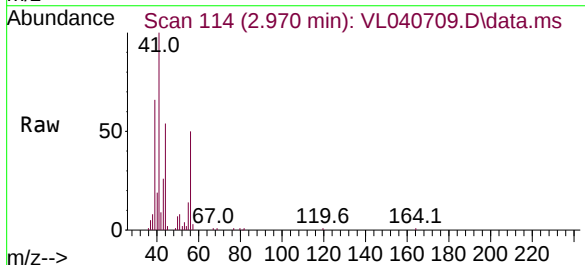
Acq: 18 Sep 2023 21:42

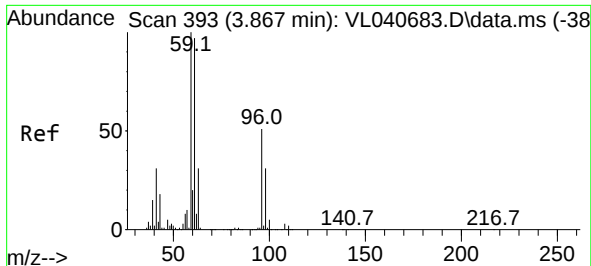
Tgt Ion: 39 Resp: 27430

Ion Ratio Lower Upper

39 100

54 25.3 64.8 97.2#





#17

tert-Butyl alcohol

Concen: 0.459 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.022 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

Instrument :

MSVOA_L

ClientSampleId :

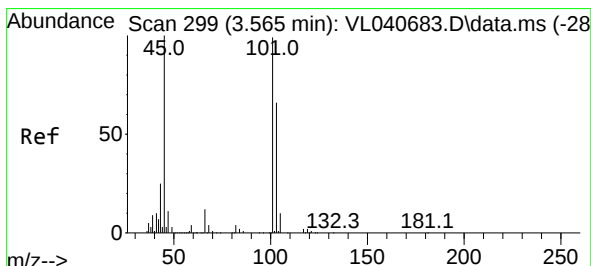
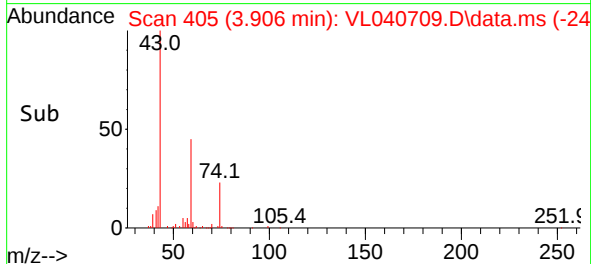
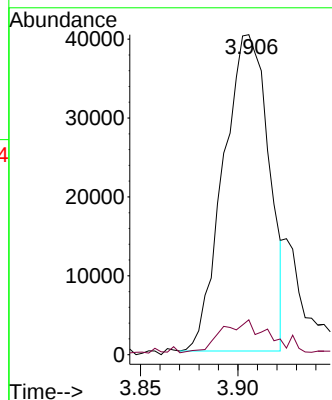
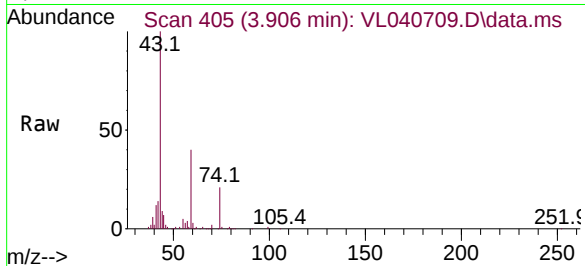
29W-2

Tgt Ion: 59 Resp: 65137

Ion Ratio Lower Upper

59 100

57 14.4 8.7 13.1#



#19

Isopropyl Alcohol

Concen: 20.861 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.016 min

Lab File: VL040709.D

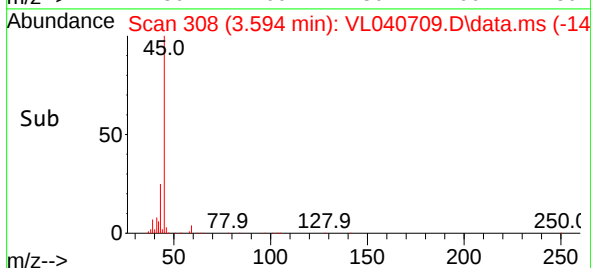
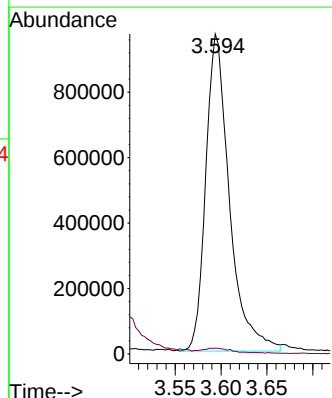
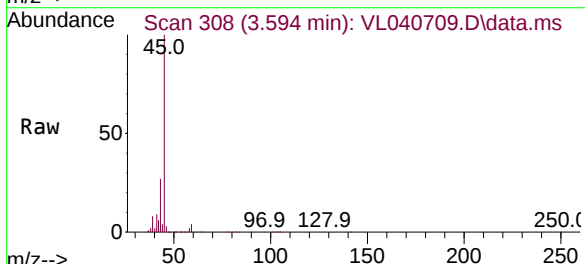
Acq: 18 Sep 2023 21:42

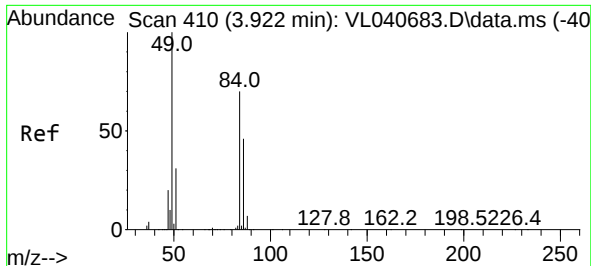
Tgt Ion: 45 Resp: 1741350

Ion Ratio Lower Upper

45 100

58 90.4 1.9 2.9#

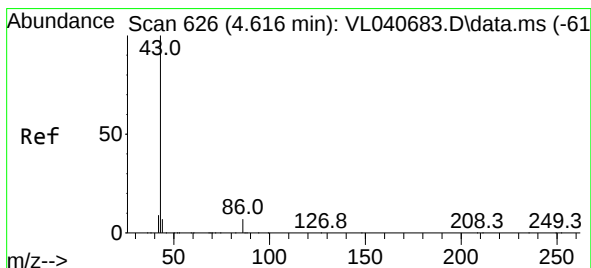
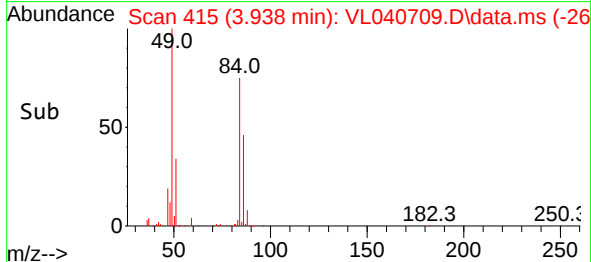
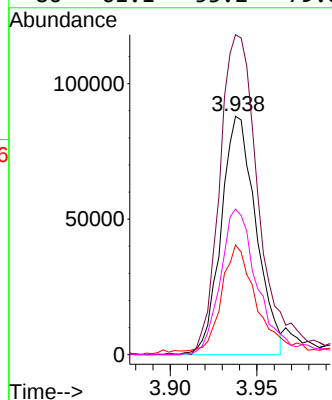
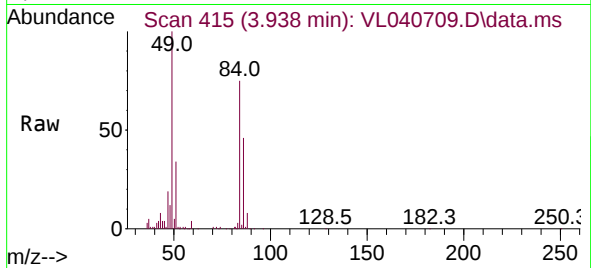




#20
Methylene Chloride
Concen: 1.654 ppbv
RT: 3.938 min Scan# 410
Delta R.T. -0.000 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

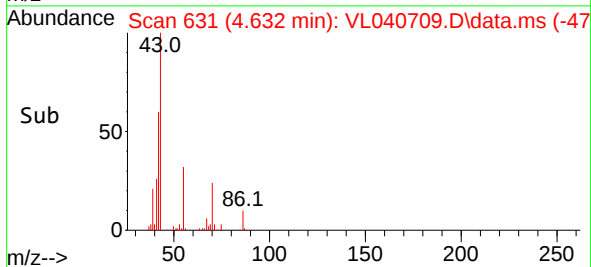
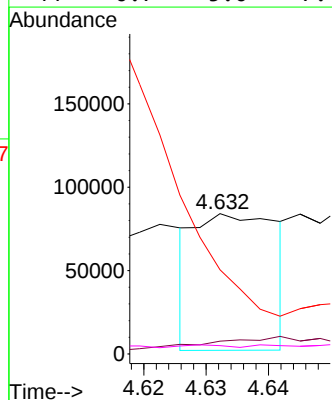
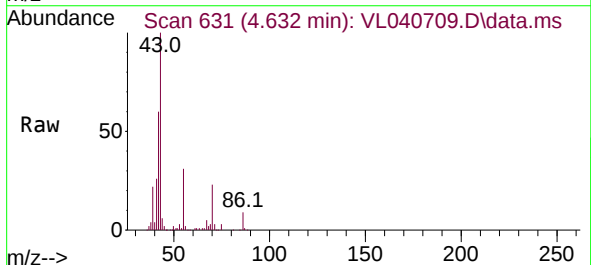
Instrument :
MSVOA_L
ClientSampleId :
29W-2

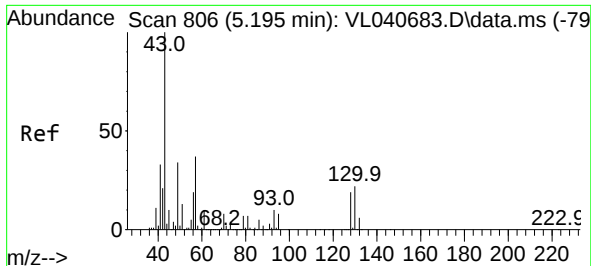
Tgt Ion: 84 Resp: 123337
Ion Ratio Lower Upper
84 100
49 133.9 114.4 171.6
51 44.4 35.5 53.3
86 61.1 53.2 79.8



#23
Vinyl Acetate
Concen: 0.525 ppbv
RT: 4.632 min Scan# 631
Delta R.T. -0.000 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 43 Resp: 75226
Ion Ratio Lower Upper
43 100
86 22.8 5.6 8.4#
42 327.7 7.6 11.4#
44 0.7 5.0 7.4#





#25

Ethyl Acetate

Concen: 3.832 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.000 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

Instrument :

MSVOA_L

ClientSampleId :

29W-2

Tgt Ion: 43 Resp: 856224

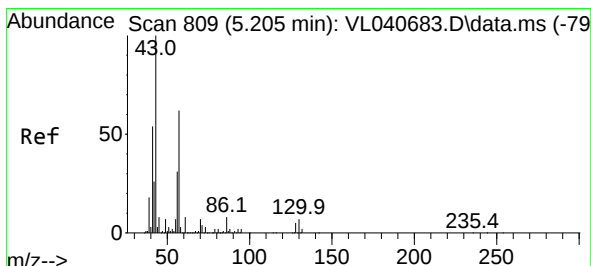
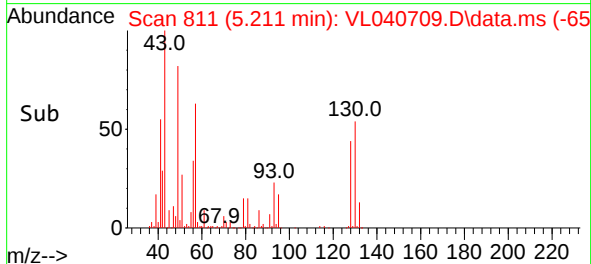
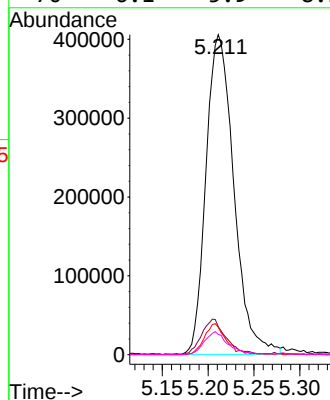
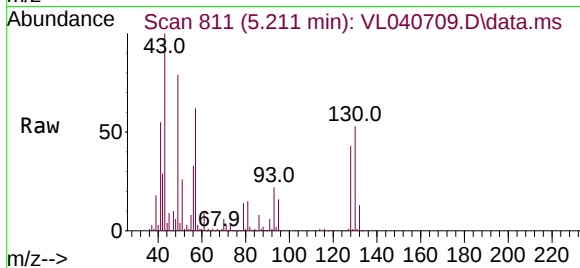
Ion Ratio Lower Upper

43 100

45 9.8 8.2 12.4

61 7.8 8.2 12.4#

70 6.1 5.9 8.9



#26

Hexane

Concen: 5.460 ppbv

RT: 5.221 min Scan# 814

Delta R.T. -0.000 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

Tgt Ion: 57 Resp: 576799

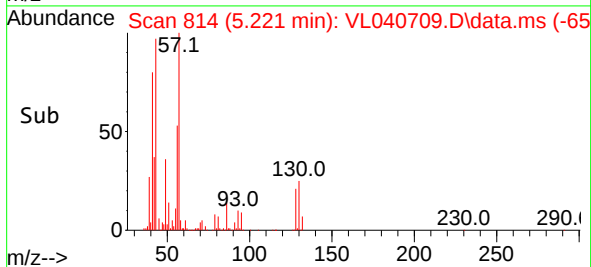
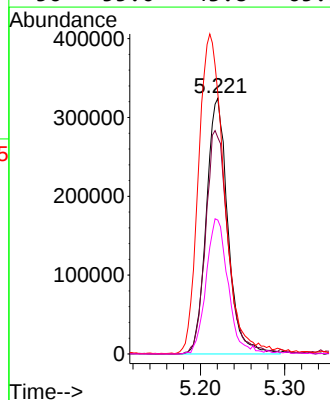
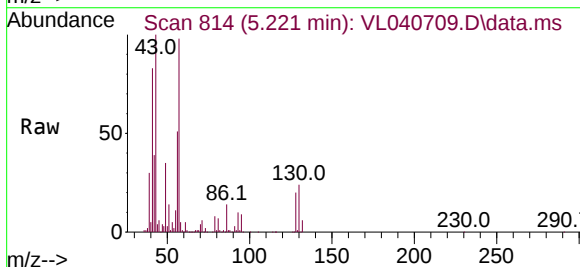
Ion Ratio Lower Upper

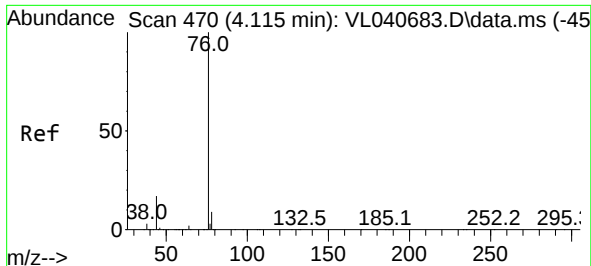
57 100

41 92.0 75.2 112.8

43 151.1 185.6 278.4#

56 55.0 43.8 65.8

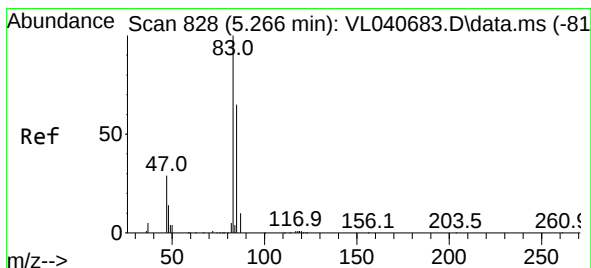
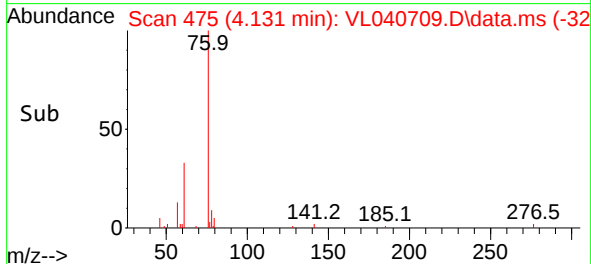
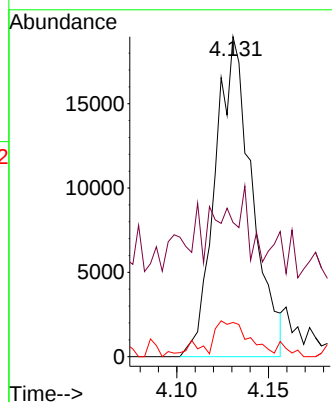
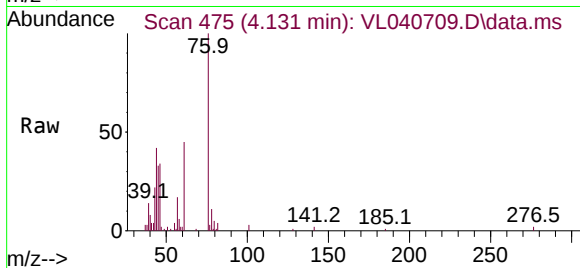




#27
Carbon Disulfide
Concen: 0.180 ppbv
RT: 4.131 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

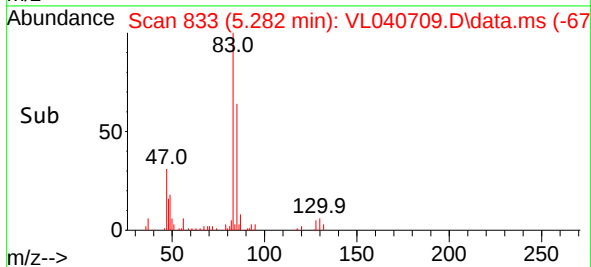
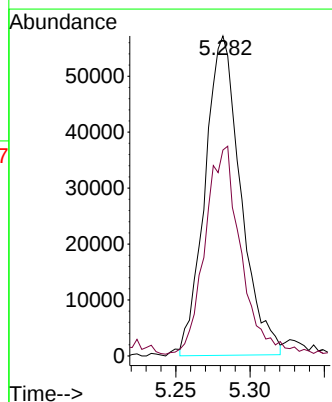
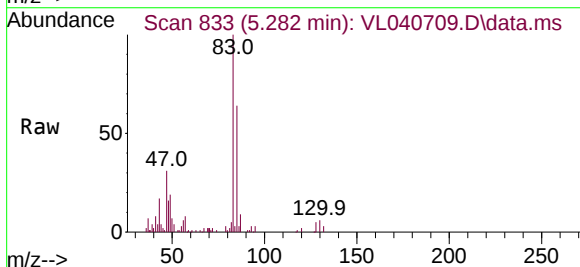
Instrument :
MSVOA_L
ClientSampleId :
29W-2

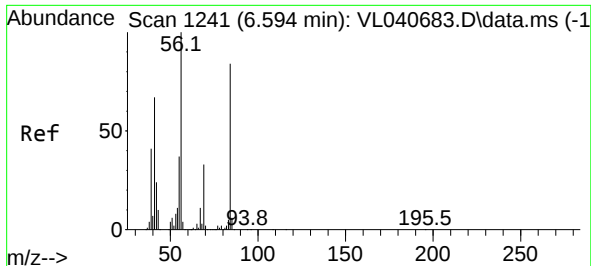
Tgt Ion: 76 Resp: 26556
Ion Ratio Lower Upper
76 100
44 58.8 14.5 21.7#
78 13.7 7.7 11.5#



#29
Chloroform
Concen: 0.524 ppbv
RT: 5.282 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 83 Resp: 95607
Ion Ratio Lower Upper
83 100
85 63.6 51.8 77.8

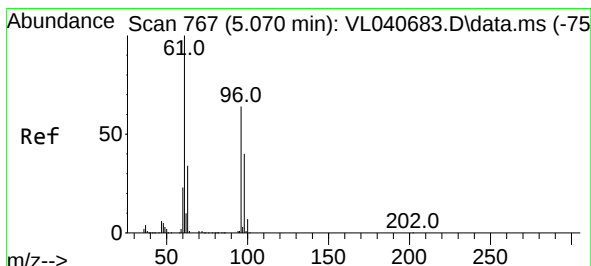
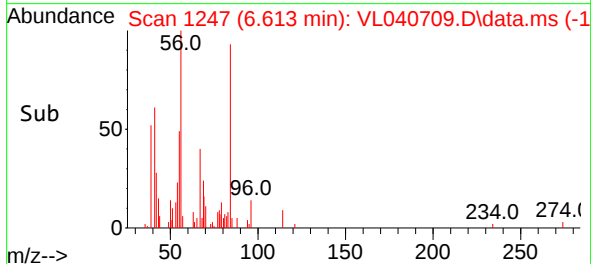
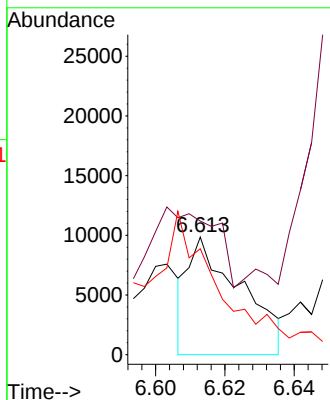
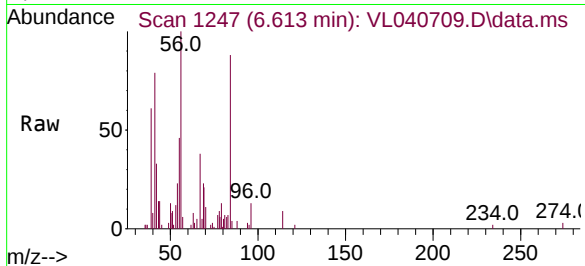




#30
Cyclohexane
Concen: 0.131 ppbv
RT: 6.613 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

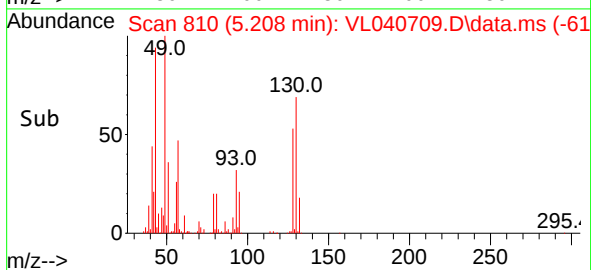
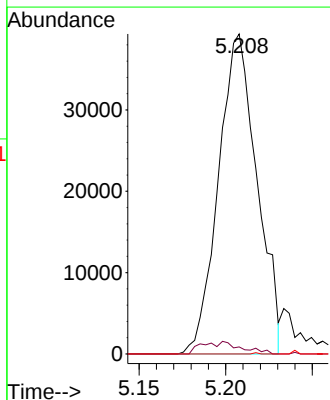
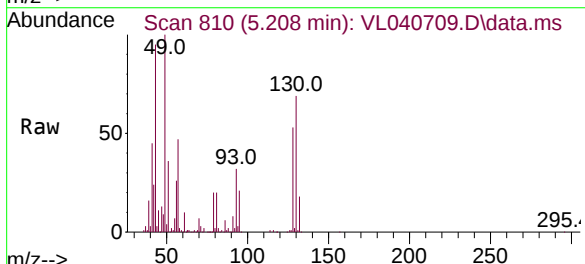
Instrument :
MSVOA_L
ClientSampleId :
29W-2

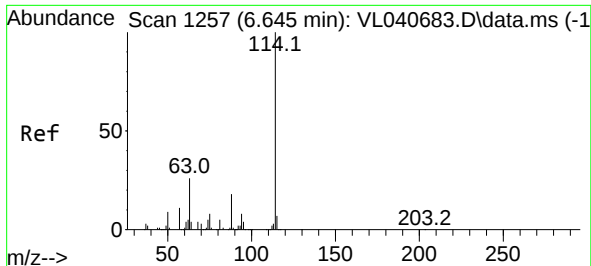
Tgt Ion: 84 Resp: 10404
Ion Ratio Lower Upper
84 100
56 0.0 103.2 154.8#
41 0.0 65.5 98.3#



#31
cis-1,2-Dichloroethene
Concen: 0.622 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.122 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 61 Resp: 60934
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: 6.661 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

Instrument :

MSVOA_L

ClientSampleId :

29W-2

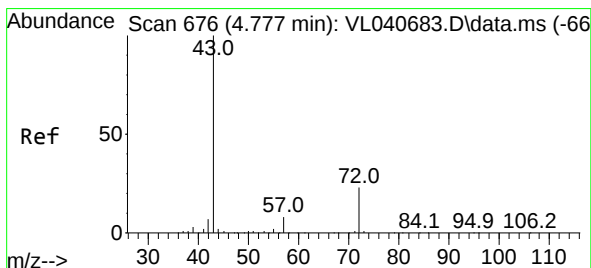
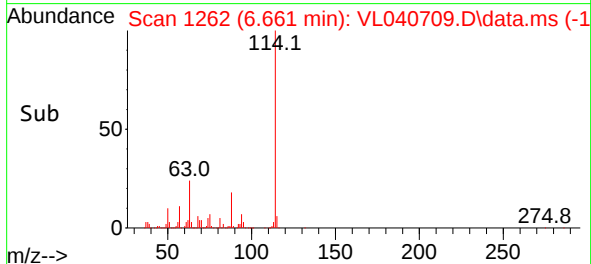
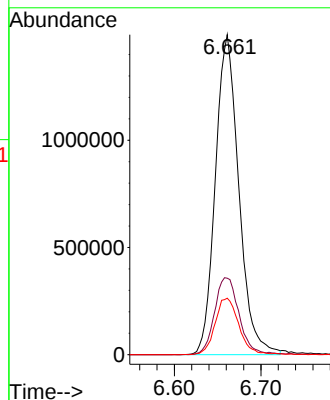
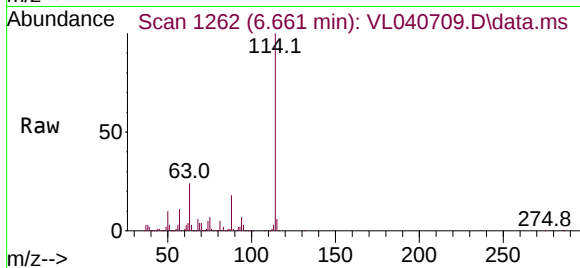
Tgt Ion:114 Resp: 2812549

Ion Ratio Lower Upper

114 100

63 25.4 21.1 31.7

88 18.0 14.5 21.7



#34

2-Butanone

Concen: 1.522 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.003 min

Lab File: VL040709.D

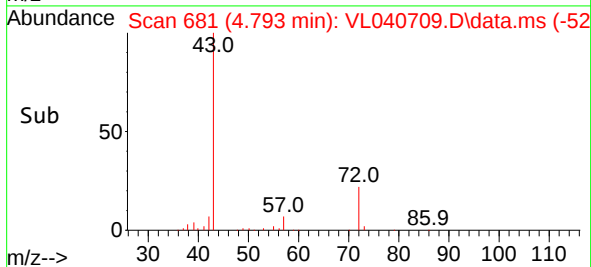
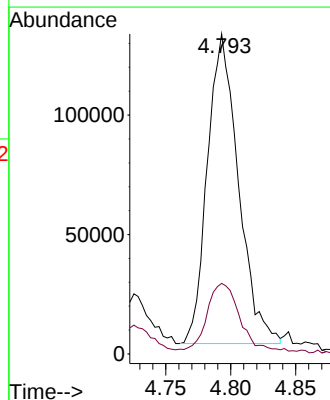
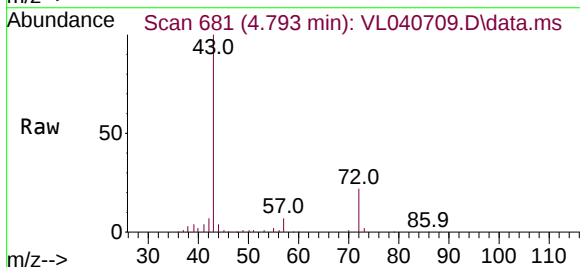
Acq: 18 Sep 2023 21:42

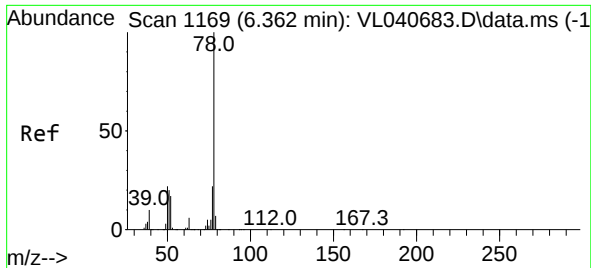
Tgt Ion: 43 Resp: 215233

Ion Ratio Lower Upper

43 100

72 26.5 18.6 27.8

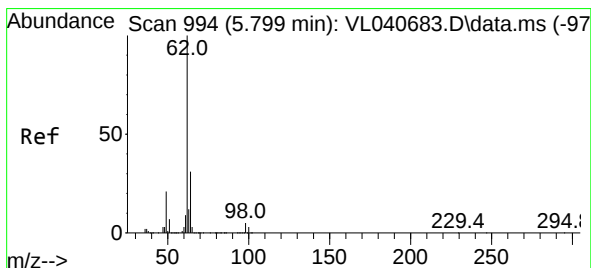
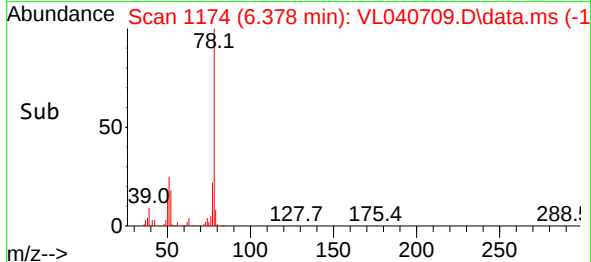
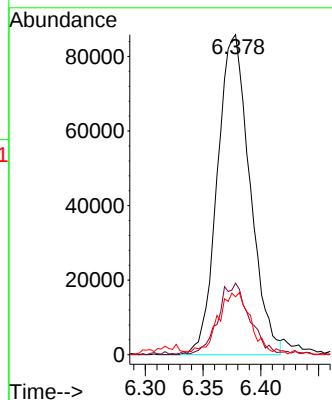
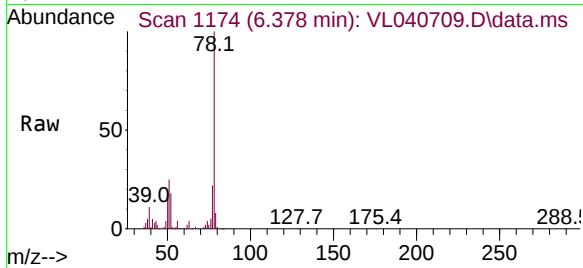




#36
Benzene
Concen: 0.807 ppbv
RT: 6.378 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

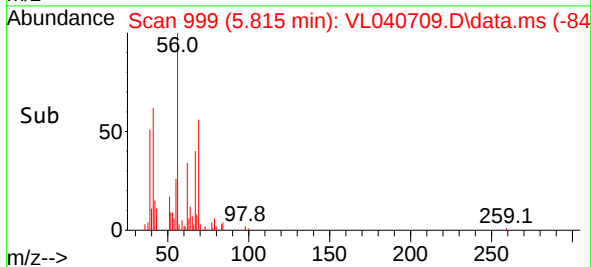
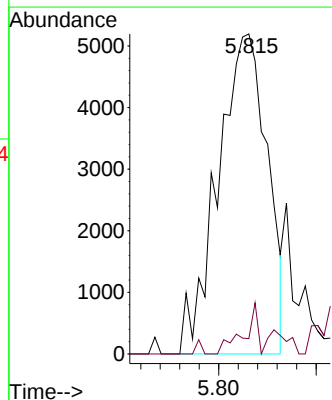
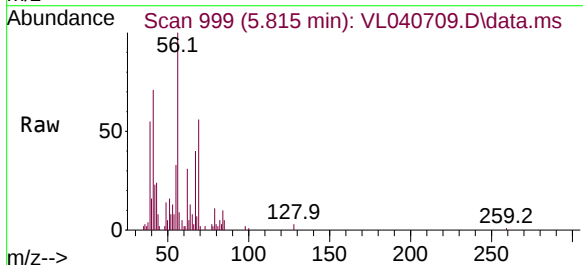
Instrument :
MSVOA_L
ClientSampleId :
29W-2

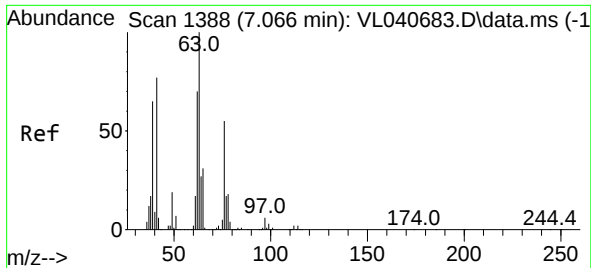
Tgt Ion: 78 Resp: 168027
Ion Ratio Lower Upper
78 100
77 21.9 17.9 26.9
50 16.9 17.3 25.9#



#37
1,2-Dichloroethane
Concen: 0.064 ppbv
RT: 5.815 min Scan# 999
Delta R.T. -0.000 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 62 Resp: 9125
Ion Ratio Lower Upper
62 100
98 7.9 4.2 6.4#





#39

1,2-Dichloropropane

Concen: 8.658 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.424 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

Instrument :

MSVOA_1

ClientSampleId :

29W-2

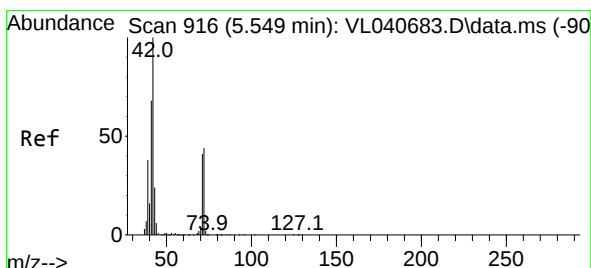
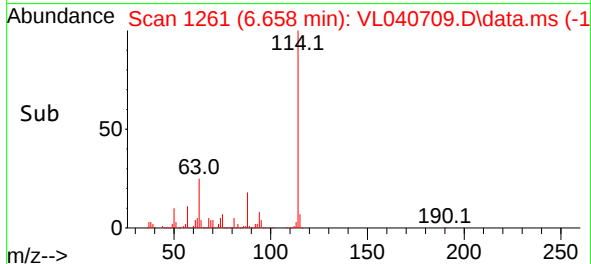
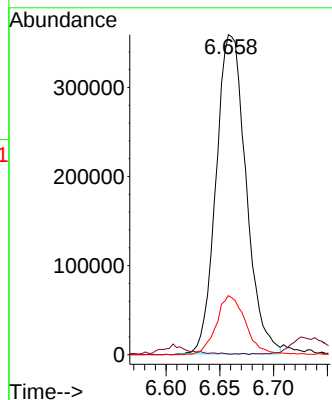
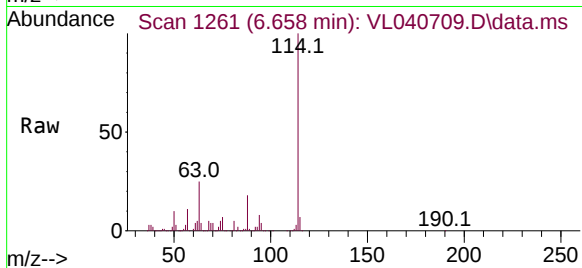
Tgt Ion: 63 Resp: 694108

Ion Ratio Lower Upper

63 100

41 0.0 61.6 92.4#

62 18.5 55.8 83.8#



#41

Tetrahydrofuran

Concen: 0.055 ppbv

RT: 5.571 min Scan# 923

Delta R.T. 0.010 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

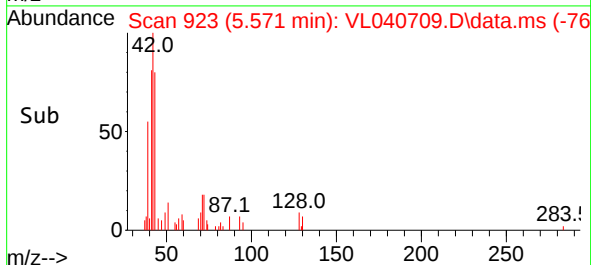
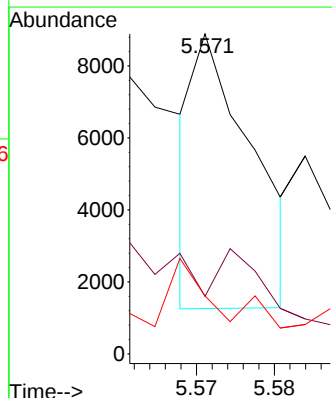
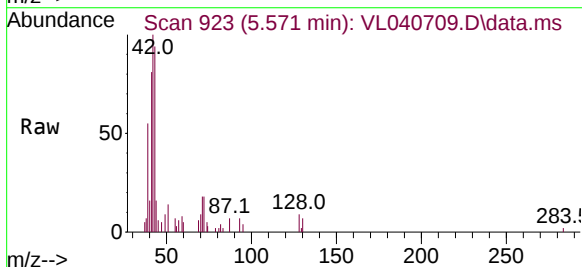
Tgt Ion: 42 Resp: 3954

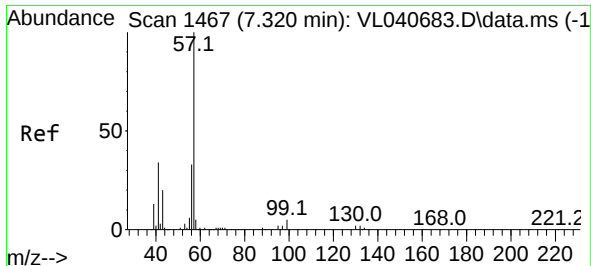
Ion Ratio Lower Upper

42 100

72 196.3 34.9 52.3#

71 91.8 33.8 50.8#





#44

2,2,4-Trimethylpentane

Concen: 1.197 ppbv

RT: 7.330 min Scan# 1467

Delta R.T. -0.006 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

Instrument :

MSVOA_L

ClientSampleId :

29W-2

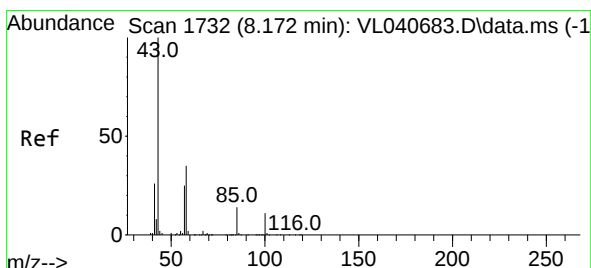
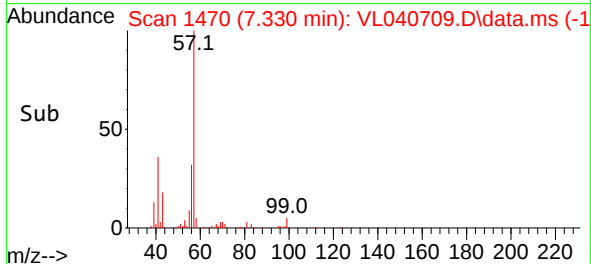
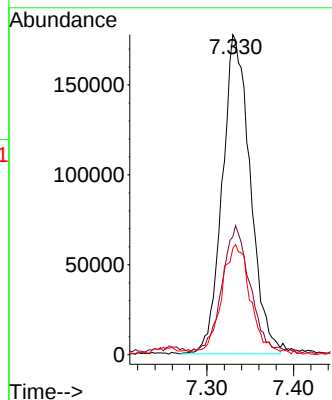
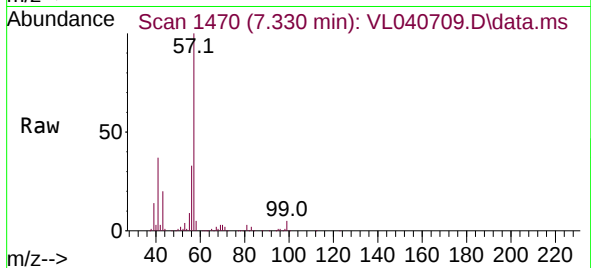
Tgt Ion: 57 Resp: 397069

Ion Ratio Lower Upper

57 100

41 40.6 28.5 42.7

56 36.3 25.4 38.2



#50

4-Methyl-2-Pentanone

Concen: 0.046 ppbv

RT: 8.198 min Scan# 1740

Delta R.T. 0.006 min

Lab File: VL040709.D

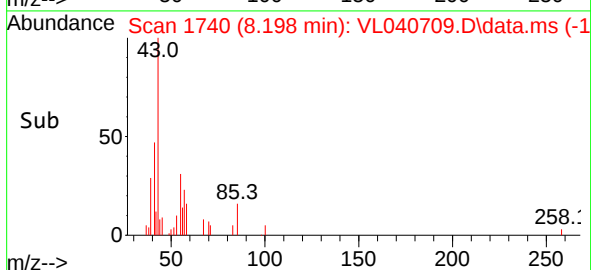
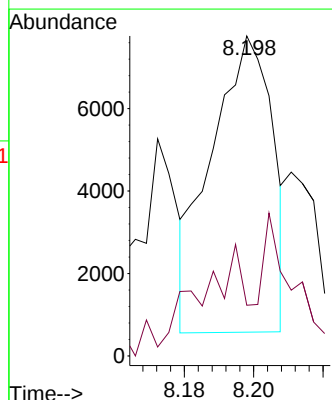
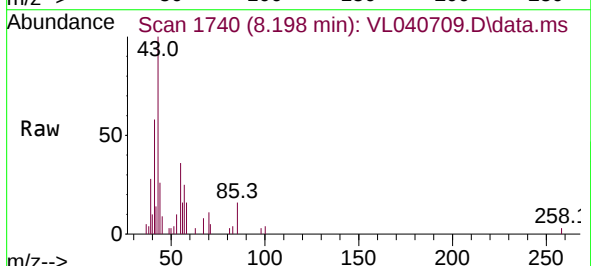
Acq: 18 Sep 2023 21:42

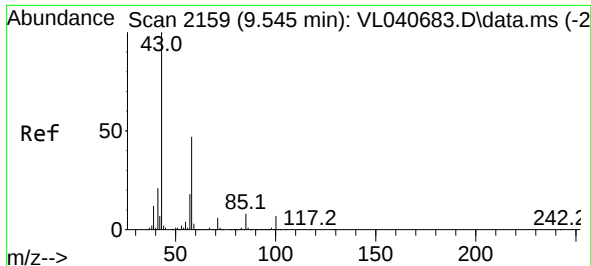
Tgt Ion: 43 Resp: 8846

Ion Ratio Lower Upper

43 100

58 0.0 28.2 42.4#

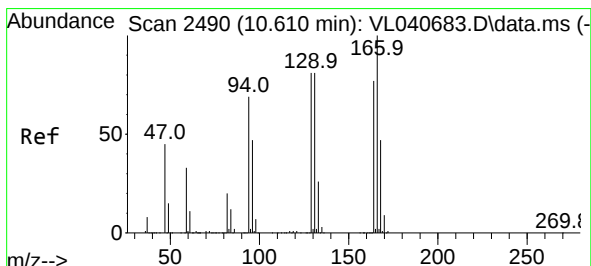
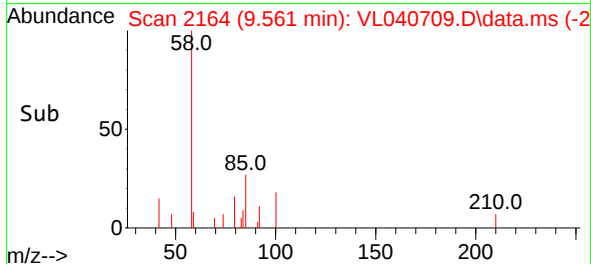
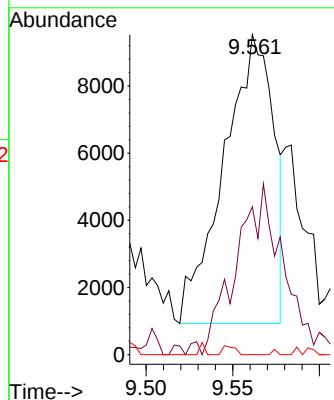
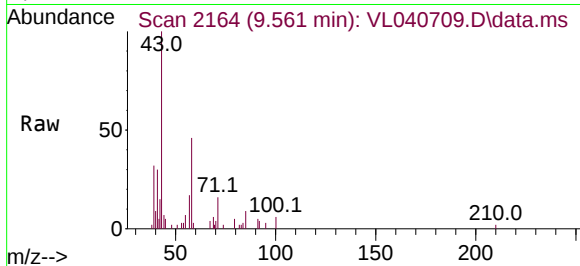




#51
2-Hexanone
Concen: 0.131 ppbv
RT: 9.561 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

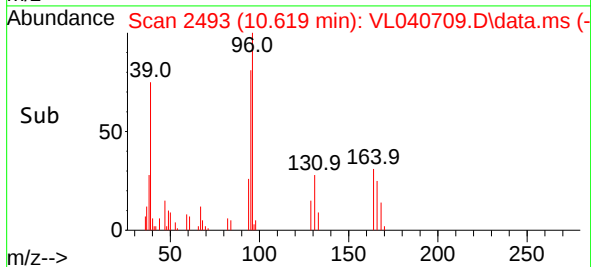
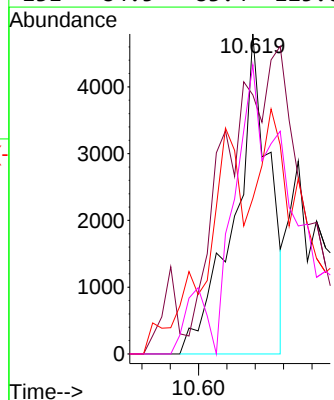
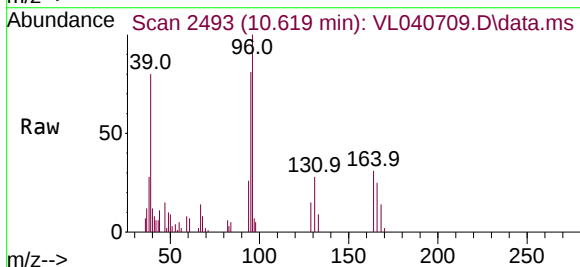
Instrument :
MSVOA_L
ClientSampleId :
29W-2

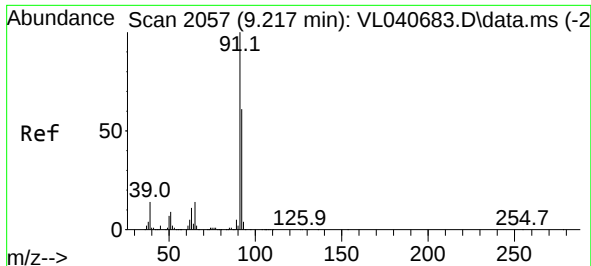
Tgt Ion: 43 Resp: 17219
Ion Ratio Lower Upper
43 100
58 63.3 37.6 56.4#
98 2.3 0.6 1.0#



#52
Tetrachloroethene
Concen: 0.060 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. -0.006 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 164 Resp: 4103
Ion Ratio Lower Upper
164 100
166 74.7 103.4 155.2#
129 33.6 83.5 125.3#
131 84.5 83.4 125.0

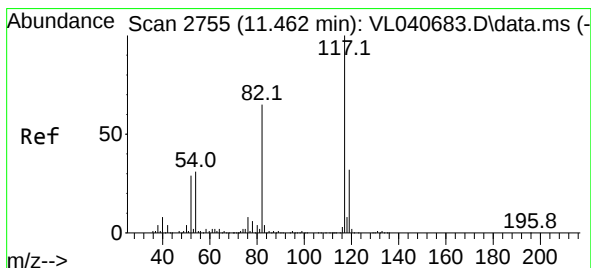
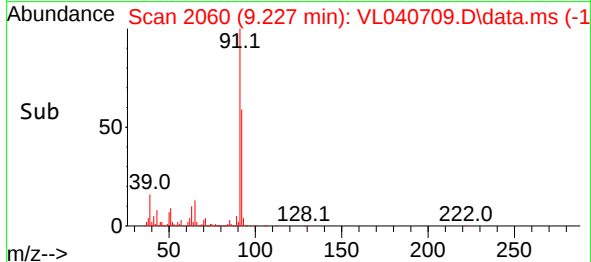
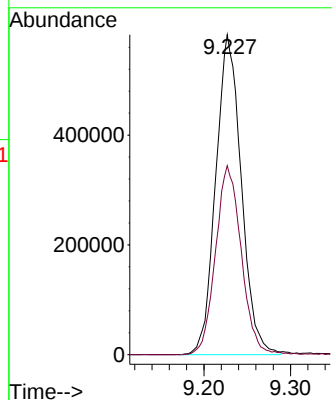
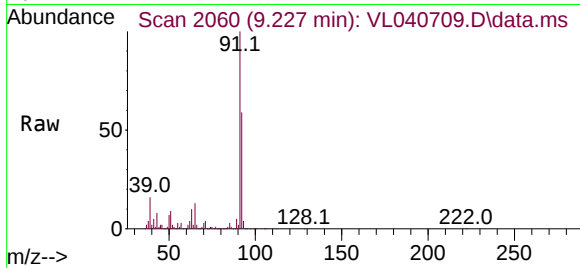




#53
Toluene
Concen: 5.425 ppbv
RT: 9.227 min Scan# 2057
Delta R.T. -0.003 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

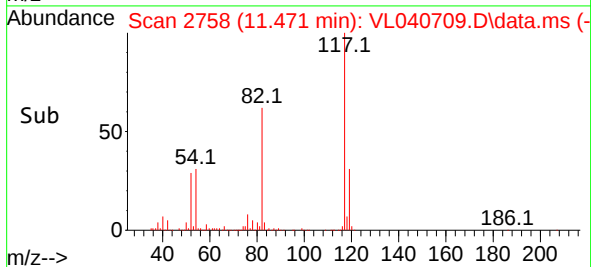
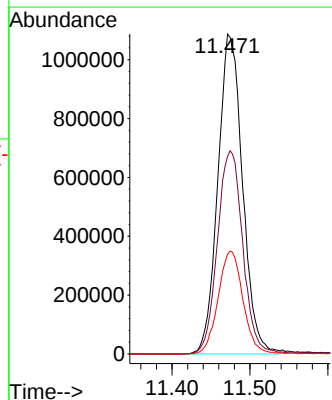
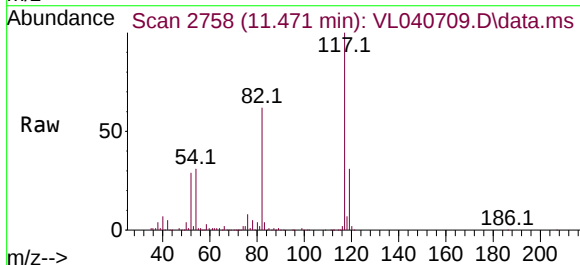
Instrument : MSVOA_1
ClientSampleId : 29W-2

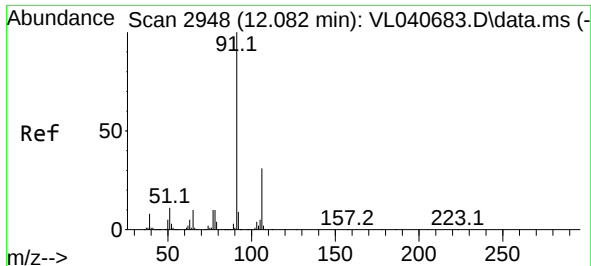
Tgt Ion: 91 Resp: 1192987
Ion Ratio Lower Upper
91 100
92 59.7 48.5 72.7



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. -0.006 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 117 Resp: 2390193
Ion Ratio Lower Upper
117 100
82 65.2 51.4 77.0
119 32.6 24.7 37.1

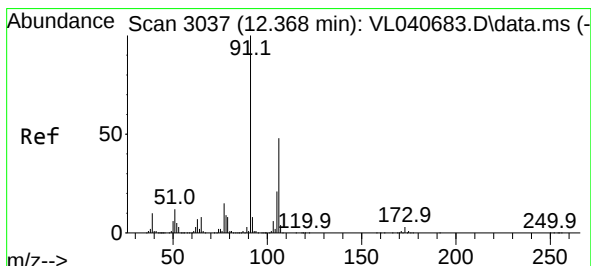
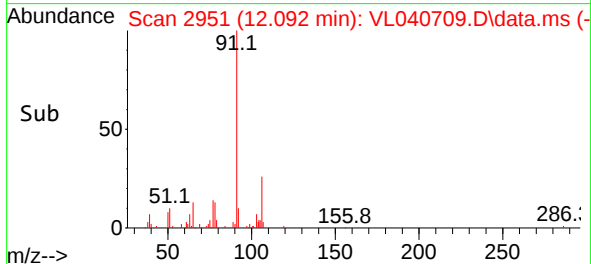
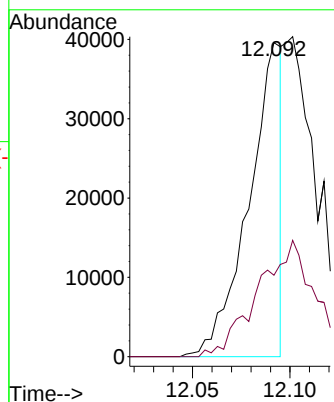
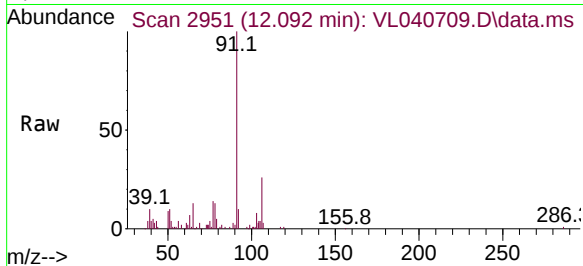




#58
Ethyl Benzene
Concen: 0.170 ppbv
RT: 12.092 min Scan# 2948
Delta R.T. -0.010 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

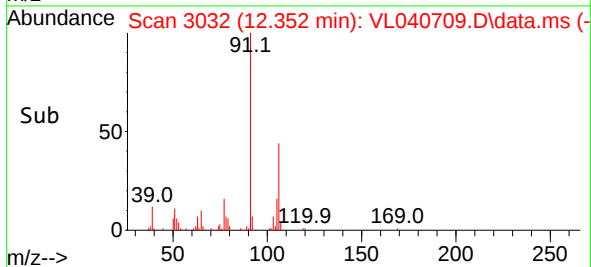
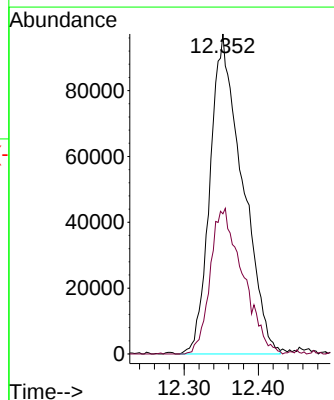
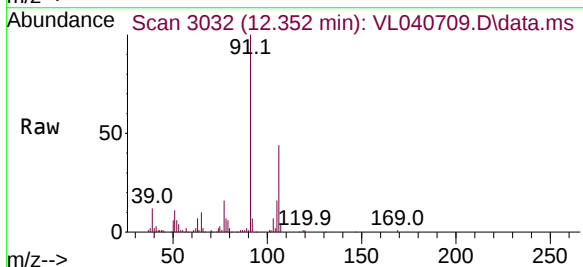
Instrument :
MSVOA_L
ClientSampleId :
29W-2

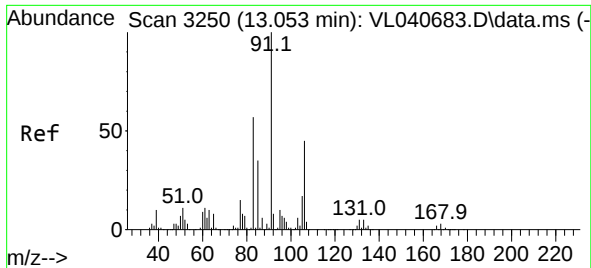
Tgt Ion: 91 Resp: 46293
Ion Ratio Lower Upper
91 100
106 25.9 24.7 37.1



#59
m/p-Xylene
Concen: 1.149 ppbv
RT: 12.352 min Scan# 3032
Delta R.T. -0.029 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 91 Resp: 293972
Ion Ratio Lower Upper
91 100
106 45.8 34.8 52.2

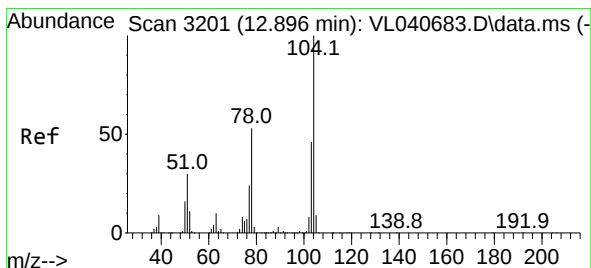
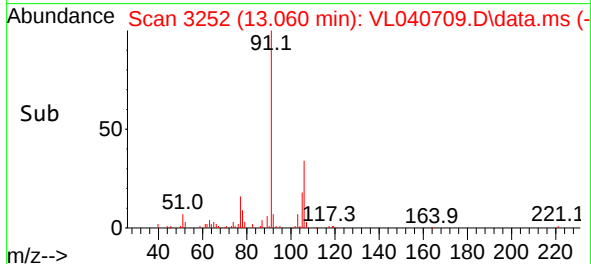
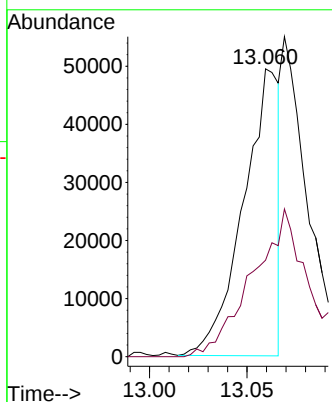
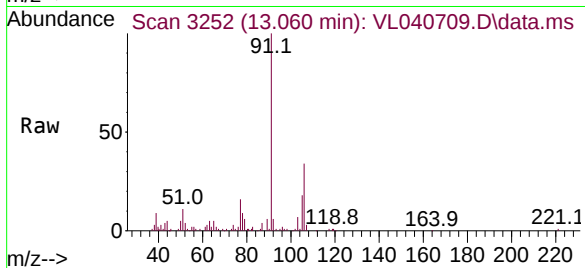




#60
o-Xylene
Concen: 0.257 ppbv
RT: 13.060 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

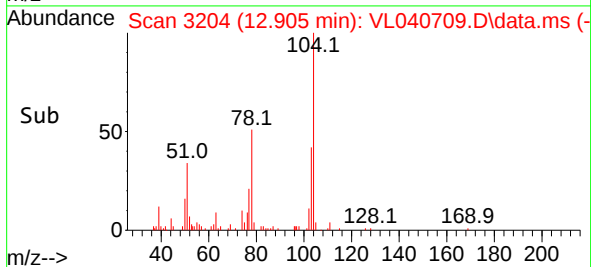
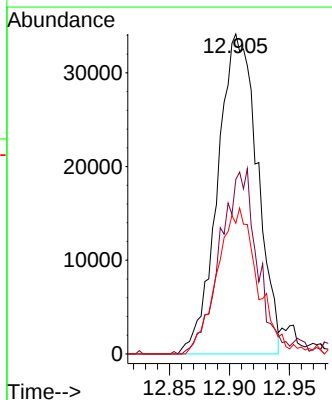
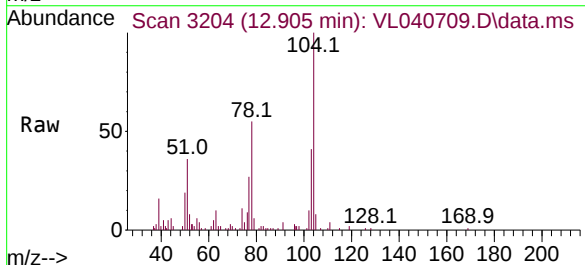
Instrument :
MSVOA_L
ClientSampleId :
29W-2

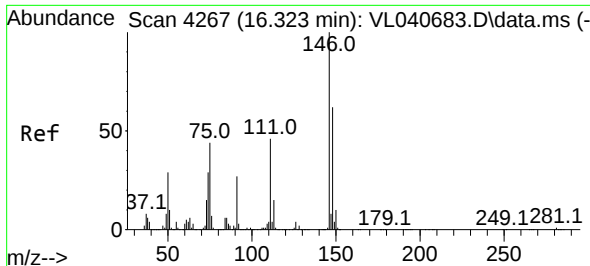
Tgt Ion: 91 Resp: 62809
Ion Ratio Lower Upper
91 100
106 0.0 22.3 66.9#



#61
Styrene
Concen: 0.769 ppbv
RT: 12.905 min Scan# 3204
Delta R.T. -0.000 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion:104 Resp: 78635
Ion Ratio Lower Upper
104 100
78 56.5 43.4 65.0
103 47.4 37.2 55.8

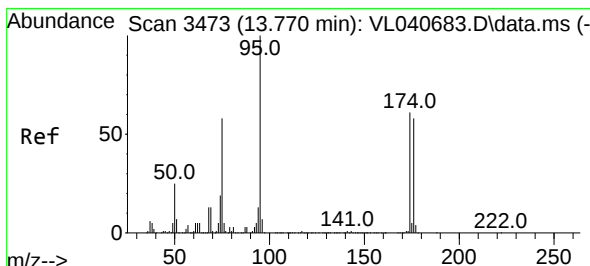
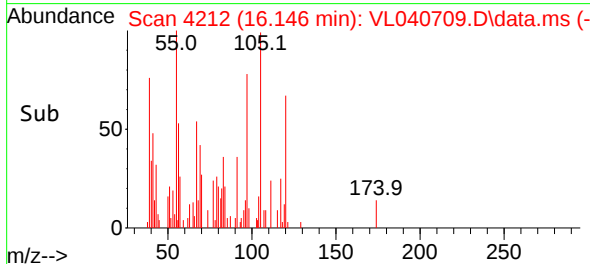
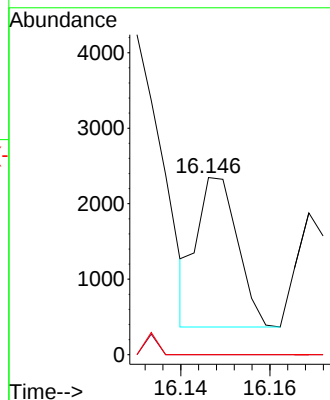
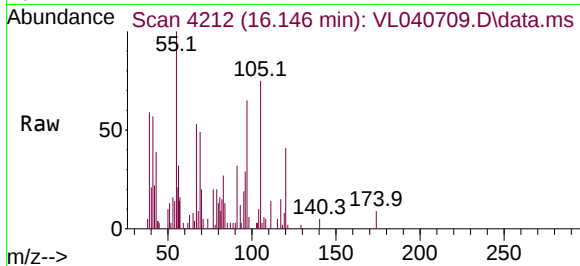




#66
Benzyl Chloride
Concen: 0.032 ppbv
RT: 16.146 min Scan# 41
Delta R.T. -0.190 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

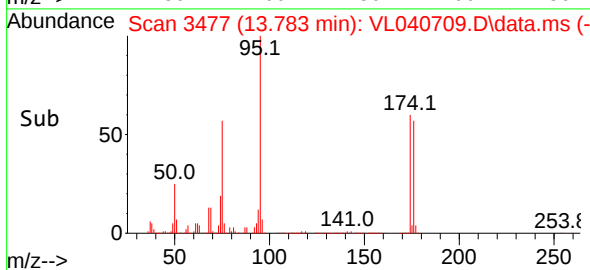
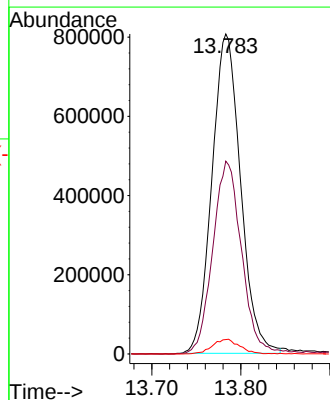
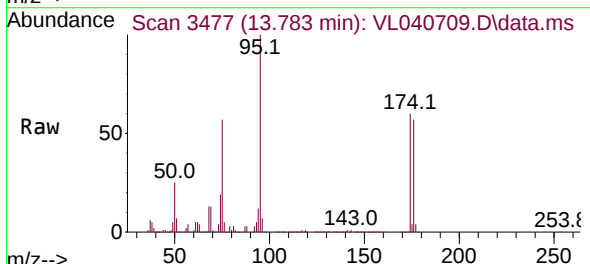
Instrument :
MSVOA_L
ClientSampleId :
29W-2

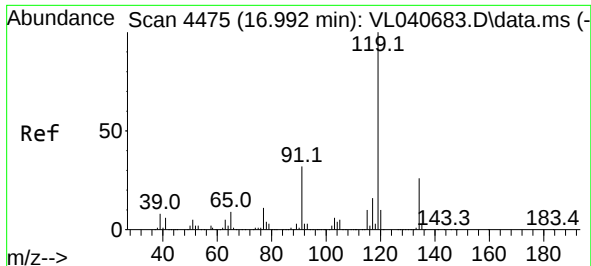
Tgt Ion: 91 Resp: 1254
Ion Ratio Lower Upper
91 100
126 8.1 13.6 20.4#
128 12.1 4.4 6.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.745 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 95 Resp: 1799567
Ion Ratio Lower Upper
95 100
174 60.9 48.9 73.3
175 4.6 3.5 5.3

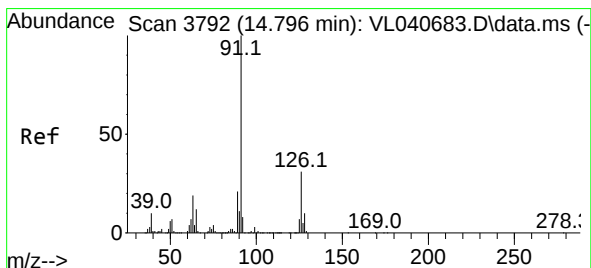
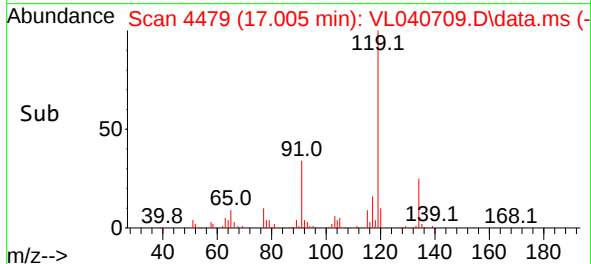
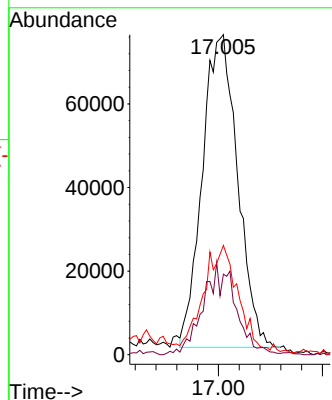
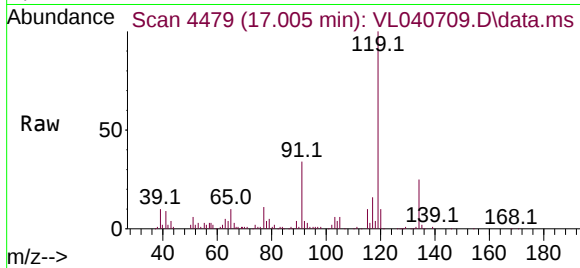




#69
p-Isopropyltoluene
Concen: 0.474 ppbv
RT: 17.005 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

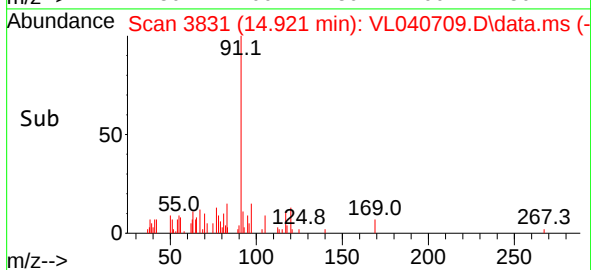
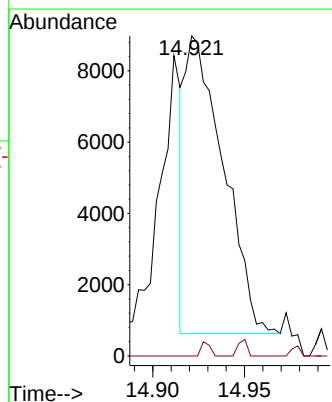
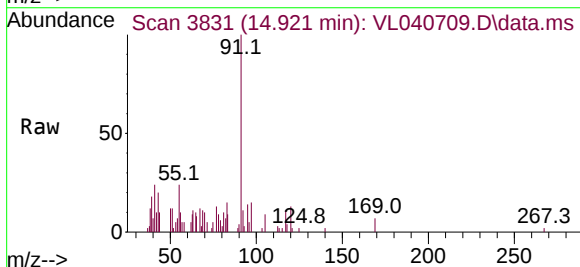
Instrument :
MSVOA_1
ClientSampleId :
29W-2

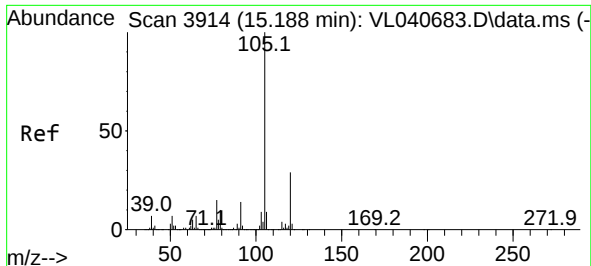
Tgt Ion: 119 Resp: 176321
Ion Ratio Lower Upper
119 100
134 27.6 20.2 30.2
91 35.1 25.0 37.6



#71
2-Chlorotoluene
Concen: 0.045 ppbv
RT: 14.921 min Scan# 3831
Delta R.T. 0.113 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion: 91 Resp: 12155
Ion Ratio Lower Upper
91 100
126 2.4 12.0 47.8#

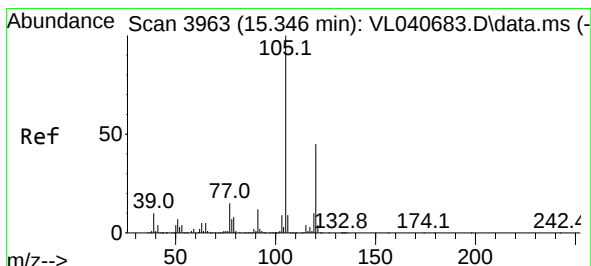
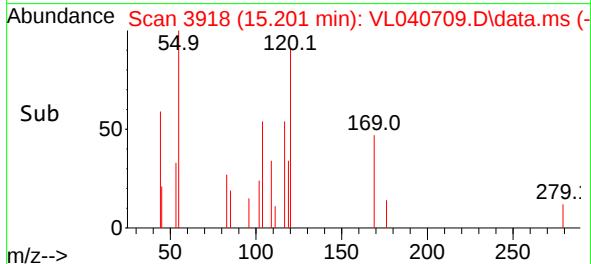
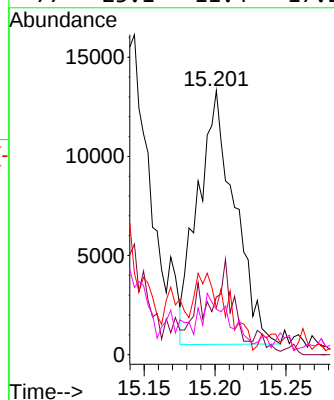
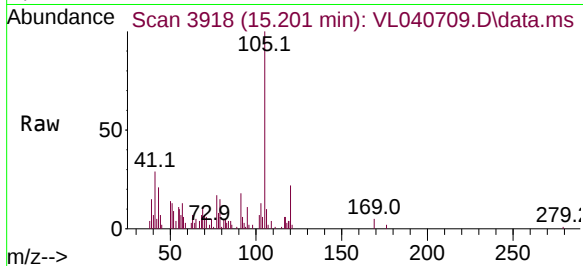




#72
4-Ethyltoluene
Concen: 0.084 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. -0.000 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

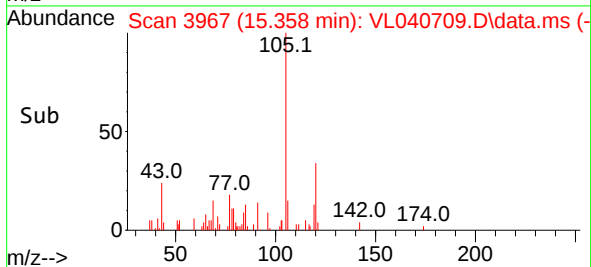
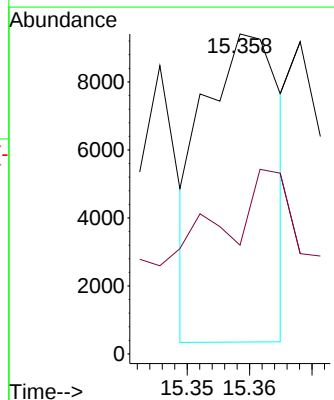
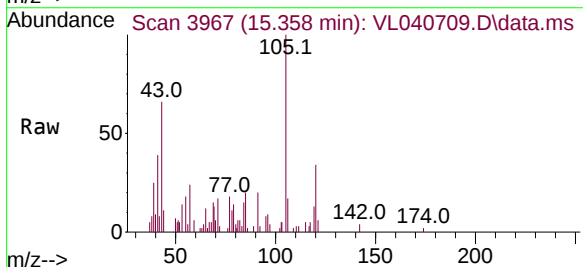
Instrument :
MSVOA_L
ClientSampleId :
29W-2

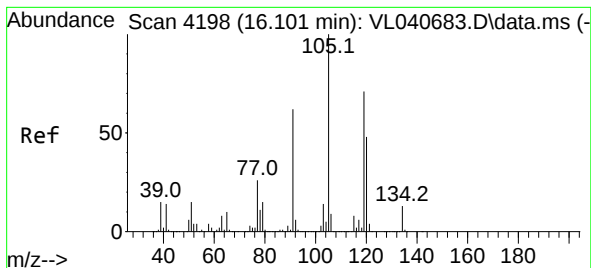
Tgt Ion:	105	Resp:	23058
Ion	Ratio	Lower	Upper
105	100		
120	33.0	23.9	35.9
91	44.1	11.0	16.4#
77	23.1	11.4	17.2#



#73
1,3,5-Trimethylbenzene
Concen: 0.031 ppbv
RT: 15.358 min Scan# 3967
Delta R.T. -0.003 min
Lab File: VL040709.D
Acq: 18 Sep 2023 21:42

Tgt Ion:	105	Resp:	7643
Ion	Ratio	Lower	Upper
105	100		
120	2.4	36.1	54.1#





#74

1,2,4-Trimethylbenzene

Concen: 0.064 ppbv

RT: 16.111 min Scan# 4315

Delta R.T. -0.006 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

Instrument :

MSVOA_L

ClientSampleId :

29W-2

Tgt Ion:105 Resp: 19254

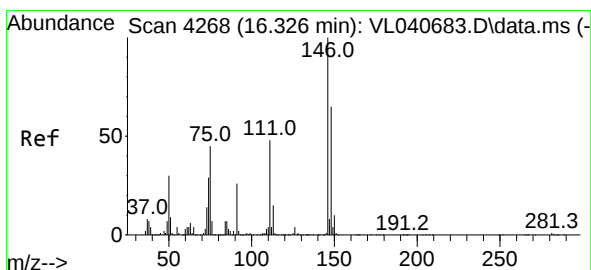
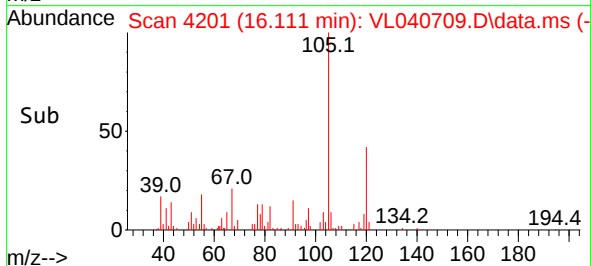
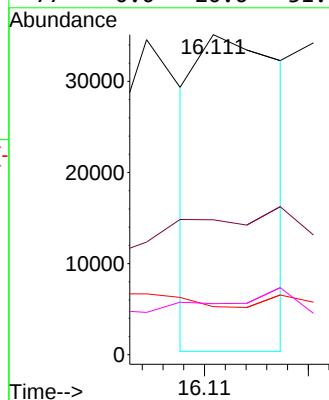
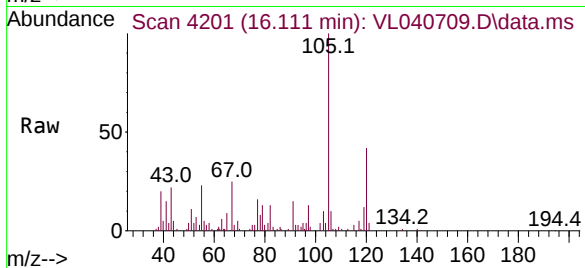
Ion Ratio Lower Upper

105 100

120 0.0 38.6 57.8#

91 0.0 50.0 75.0#

77 0.0 20.6 31.0#



#75

1,3-Dichlorobenzene

Concen: 0.355 ppbv

RT: 16.477 min Scan# 4315

Delta R.T. 0.138 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

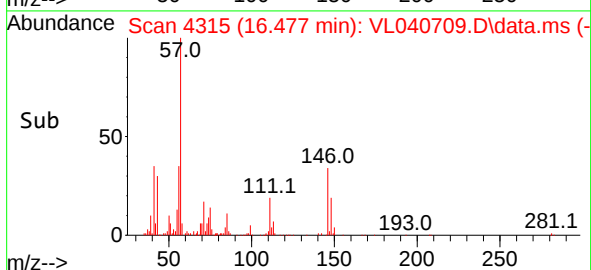
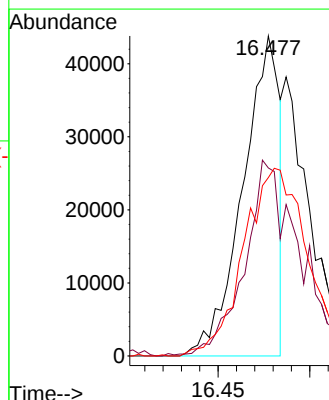
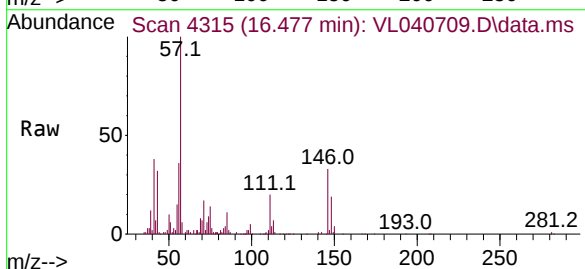
Tgt Ion:146 Resp: 60677

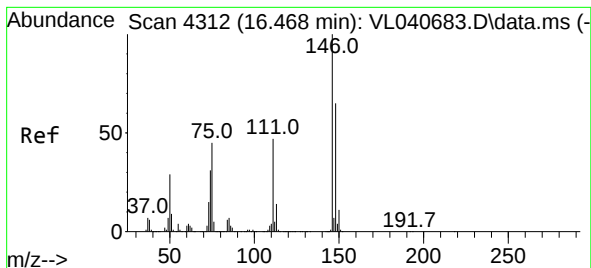
Ion Ratio Lower Upper

146 100

111 95.9 23.9 71.7#

148 107.3 31.8 95.4#





#76

1,4-Dichlorobenzene

Concen: 0.360 ppbv

RT: 16.477 min Scan# 4312

Delta R.T. -0.003 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

Instrument :

MSVOA_L

ClientSampleId :

29W-2

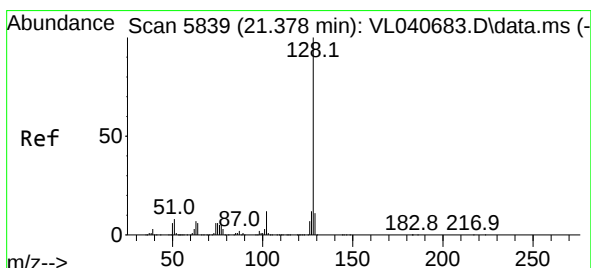
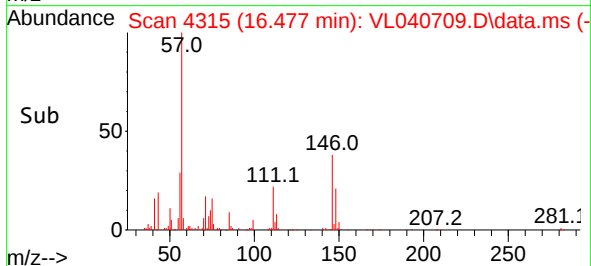
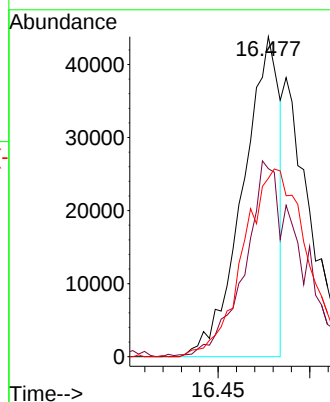
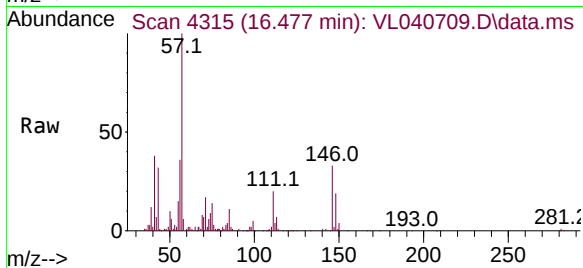
Tgt Ion:146 Resp: 60677

Ion Ratio Lower Upper

146 100

111 96.7 23.8 71.2#

148 107.3 32.6 97.7#



#79

Naphthalene

Concen: 1.392 ppbv

RT: 21.390 min Scan# 5843

Delta R.T. -0.003 min

Lab File: VL040709.D

Acq: 18 Sep 2023 21:42

Tgt Ion:128 Resp: 260228

Ion Ratio Lower Upper

128 100

127 11.3 9.8 14.6

129 9.8 8.4 12.6

