

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041709.D
 Acq On : 20 Nov 2024 21:16
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 21 05:16:27 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.217	49	1069406	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.677	114	2979786	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.487	117	2516412	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.796	95	1821655	9.825	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.761	85	132755	0.687	ppbv	95
3) Chlorodifluoromethane	2.706	51	83516	0.599	ppbv	98
5) Vinyl Chloride	2.951	62	44510	0.670	ppbv	93
6) Bromomethane	3.150	94	18794	0.534	ppbv	86
7) Chloroethane	3.221	64	6177	0.255	ppbv	95
8) Dichlorotetrafluoroethane	2.886	85	106894	0.620	ppbv	99
9) Propene	2.726	41	34912	0.575	ppbv	94
11) Trichlorofluoromethane	3.590	101	100744	0.598	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.095	101	75598	0.618	ppbv	97
13) Ethanol	3.275	45	1450	0.390	ppbv #	1
14) Bromoethene	3.398	108	28226	0.574	ppbv #	98
15) Acetone	3.507	43	106011	0.805	ppbv	100
16) 1,3-Butadiene	3.015	39	39421	0.594	ppbv	91
17) tert-Butyl alcohol	3.925	59	68619	0.594	ppbv	99
18) 1,1-Dichloroethene	3.912	96	30100	0.561	ppbv	95
19) Isopropyl Alcohol	3.619	45	36810	0.585	ppbv #	84
20) Methylene Chloride	3.960	84	34248	0.707	ppbv	95
21) Allyl Chloride	4.025	41	45021	0.554	ppbv	89
22) trans-1,2-Dichloroethene	4.475	96	30592	0.573	ppbv	94
23) Vinyl Acetate	4.658	43	18461	0.318	ppbv #	85
24) 1,1-Dichloroethane	4.590	63	85937	0.721	ppbv	98
25) Ethyl Acetate	5.237	43	141724	0.520	ppbv #	97
26) Hexane	5.237	57	57820	0.552	ppbv	93
27) Carbon Disulfide	4.156	76	49591	0.422	ppbv #	73
28) Methyl tert-Butyl Ether	4.616	73	15407	0.229	ppbv #	6
29) Chloroform	5.298	83	106585	0.617	ppbv	96
30) Cyclohexane	6.626	84	33879	0.380	ppbv #	85
31) cis-1,2-Dichloroethene	5.105	61	52495	0.521	ppbv	95
32) 1,1,1-Trichloroethane	6.031	97	91150	0.578	ppbv	97
34) 2-Butanone	4.822	43	73715	0.497	ppbv	97
35) Carbon Tetrachloride	6.516	117	89375	0.568	ppbv	91
36) Benzene	6.394	78	121169	0.549	ppbv #	91
37) 1,2-Dichloroethane	5.828	62	71871	0.577	ppbv	99
38) Trichloroethene	7.317	130	66721	0.787	ppbv	94
39) 1,2-Dichloropropane	7.098	63	48964	0.561	ppbv	88
40) 1,4-Dioxane	7.346	88	7610	0.243	ppbv #	1
41) Tetrahydrofuran	5.606	42	34524	0.407	ppbv	93
42) Bromodichloromethane	7.275	83	90444	0.523	ppbv	99
43) Methyl Methacrylate	7.503	69	26801	0.346	ppbv #	69
44) 2,2,4-Trimethylpentane	7.352	57	207695	0.555	ppbv	93
45) t-1,3-Dichloropropene	8.732	75	20453	0.289	ppbv	98
46) cis-1,3-Dichloropropene	8.163	75	17783	0.175	ppbv	97
47) 1,1,2-Trichloroethane	8.918	97	51558	0.546	ppbv	95

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

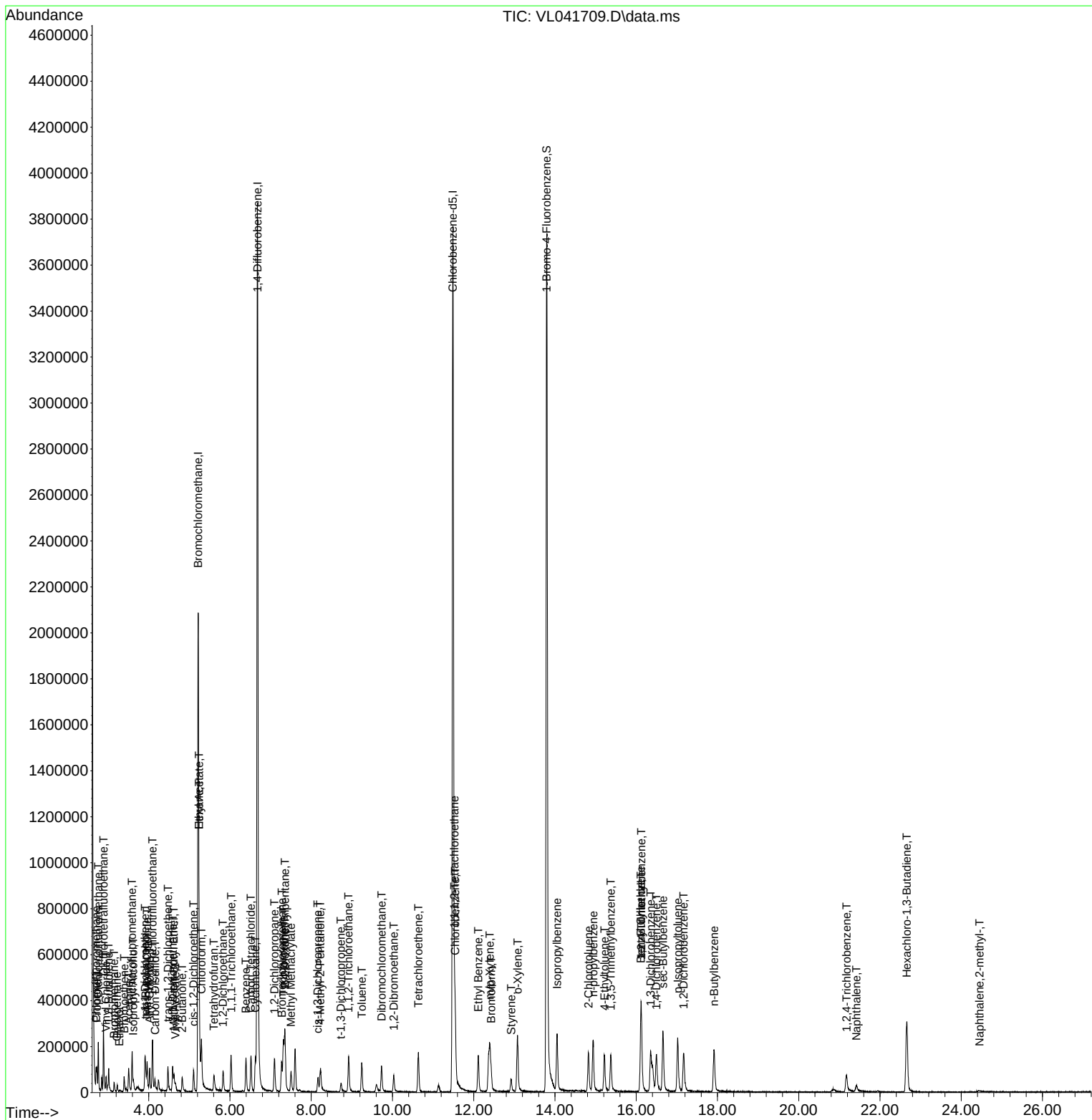
Instrument :
 MSVOA_L
 ClientSampleId :

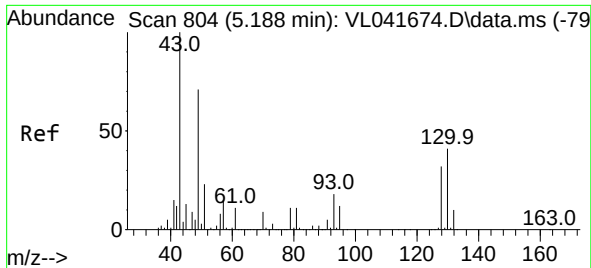
Quant Time: Nov 21 05:16:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	9.732	129	65716	0.458	ppbv	97
49) Bromoform	12.433	173	49195	0.401	ppbv	98
50) 4-Methyl-2-Pentanone	8.227	43	51654	0.227	ppbv #	65
52) Tetrachloroethene	10.638	164	22972	0.305	ppbv	95
53) Toluene	9.246	91	99846	0.430	ppbv	100
54) 1,2-Dibromoethane	10.031	107	54446	0.493	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.529	131	62600	0.603	ppbv #	1
57) Chlorobenzene	11.545	112	117791	0.633	ppbv #	96
58) Ethyl Benzene	12.111	91	131926	0.478	ppbv	100
59) m/p-Xylene	12.394	91	259546	1.051	ppbv	99
60) o-Xylene	13.082	91	111475	0.473	ppbv	94
61) Styrene	12.921	104	17530	0.180	ppbv #	25
62) Isopropylbenzene	14.053	105	202084	0.555	ppbv	99
64) n-propylbenzene	14.944	120	22457	0.236	ppbv #	1
65) tert-Butylbenzene	16.117	119	172441	0.527	ppbv	93
66) Benzyl Chloride	16.114	91	146966	5.842	ppbv #	66
67) sec-Butylbenzene	16.661	105	252168	0.547	ppbv	100
69) p-Isopropyltoluene	17.021	119	180872	0.485	ppbv	97
70) n-Butylbenzene	17.918	91	79565	0.209	ppbv #	38
71) 2-Chlorotoluene	14.825	91	133426	0.507	ppbv	99
72) 4-Ethyltoluene	15.220	105	129549	0.473	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.375	105	121437	0.505	ppbv	92
74) 1,2,4-Trimethylbenzene	16.124	105	66023	0.236	ppbv	92
75) 1,3-Dichlorobenzene	16.355	146	94727	0.548	ppbv	97
76) 1,4-Dichlorobenzene	16.497	146	88072	0.528	ppbv	98
77) 1,2-Dichlorobenzene	17.169	146	98618	0.576	ppbv	96
78) Hexachloro-1,3-Butadiene	22.657	225	90925	0.671	ppbv	97
79) Naphthalene	21.423	128	30479	0.177	ppbv	97
80) Naphthalene,2-methyl-	24.451	142	7012	0.187	ppbv #	43
81) 1,2,4-Trichlorobenzene	21.175	180	12117	0.112	ppbv #	1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Nov 08 01:01:00 2024
Response via : Initial Calibration

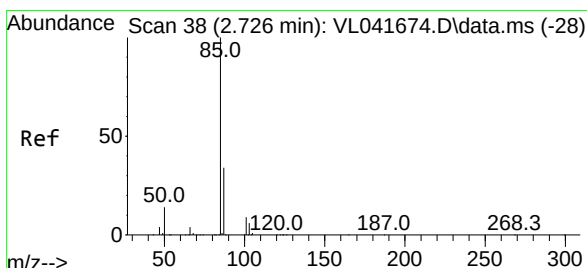
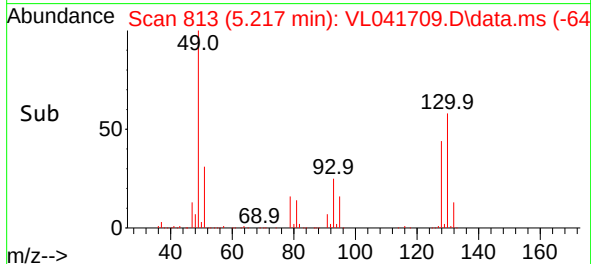
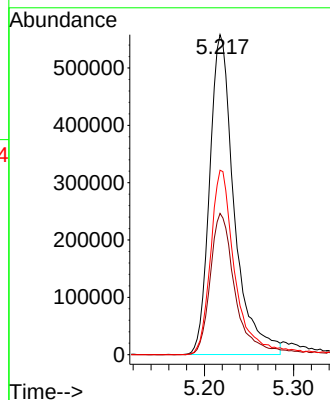
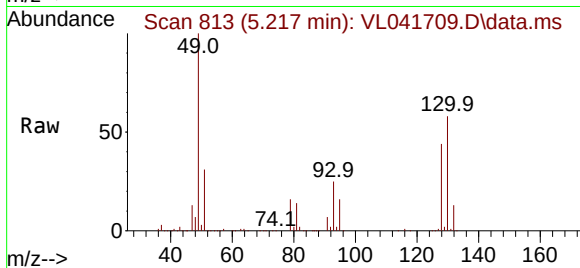




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.217 min Scan# 81
 Delta R.T. 0.029 min
 Lab File: VL041709.D
 Acq: 20 Nov 2024 21:16

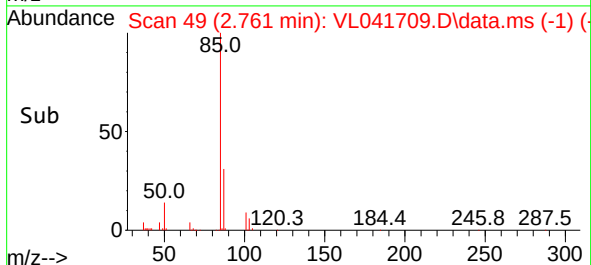
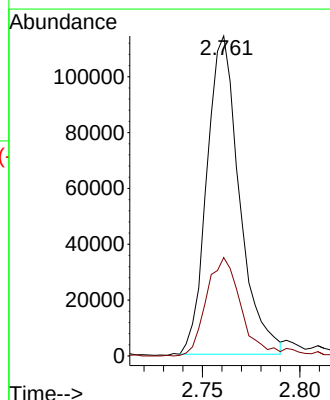
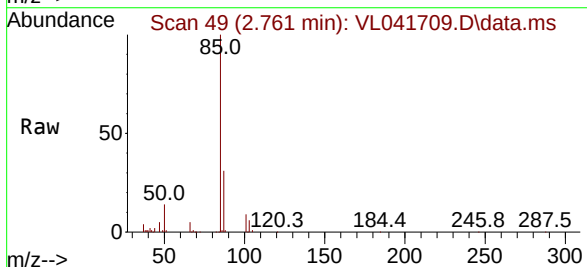
Instrument :
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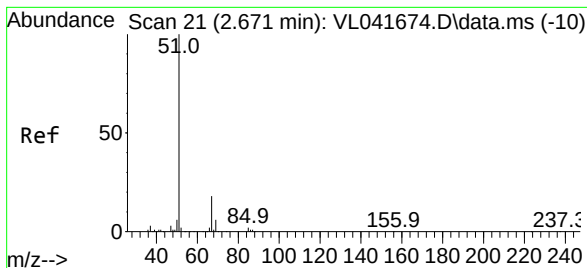
Tgt Ion: 49 Resp: 1069406
 Ion Ratio Lower Upper
 49 100
 128 45.9 23.8 71.2
 130 59.2 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 0.687 ppbv
 RT: 2.761 min Scan# 49
 Delta R.T. 0.035 min
 Lab File: VL041709.D
 Acq: 20 Nov 2024 21:16

Tgt Ion: 85 Resp: 132755
 Ion Ratio Lower Upper
 85 100
 87 30.7 26.8 40.2





#3

Chlorodifluoromethane

Concen: 0.599 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.035 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

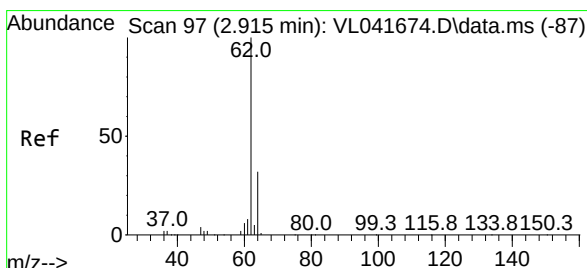
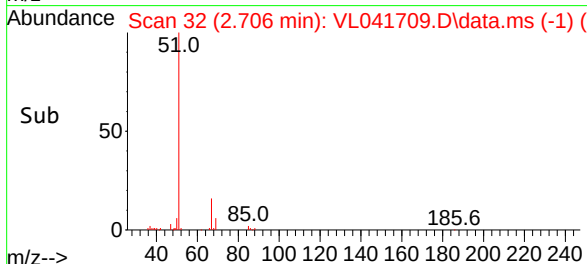
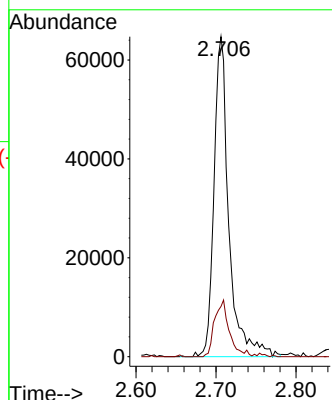
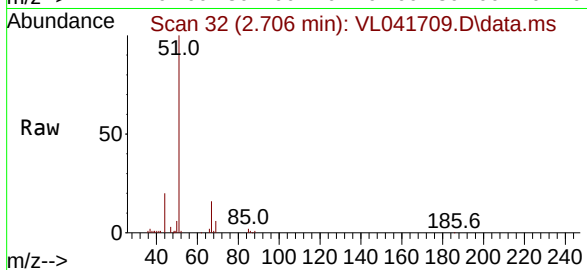
ClientSampleId :

Tgt Ion: 51 Resp: 83516

Ion Ratio Lower Upper

51 100

67 18.2 13.9 20.9



#5

Vinyl Chloride

Concen: 0.670 ppbv

RT: 2.951 min Scan# 108

Delta R.T. 0.035 min

Lab File: VL041709.D

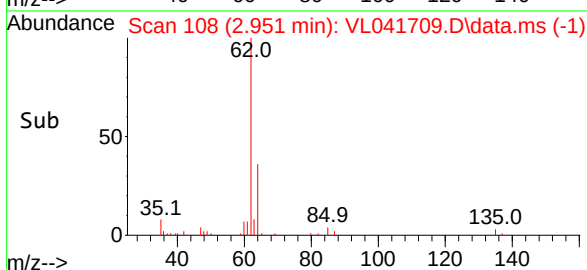
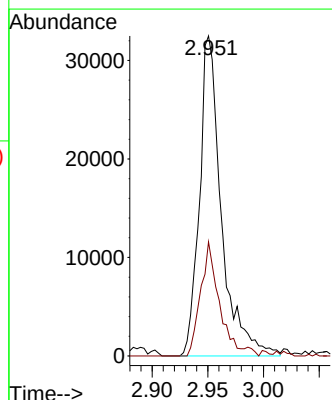
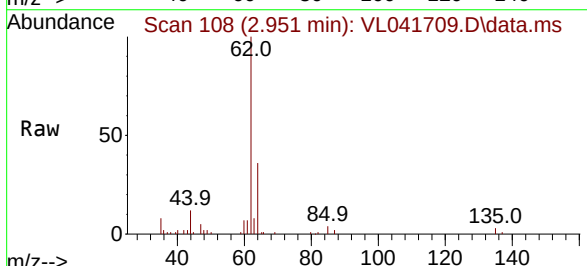
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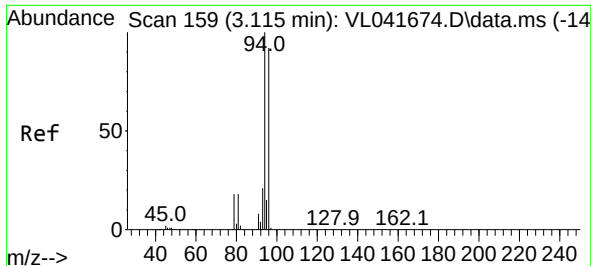
Tgt Ion: 62 Resp: 44510

Ion Ratio Lower Upper

62 100

64 35.6 25.4 38.2

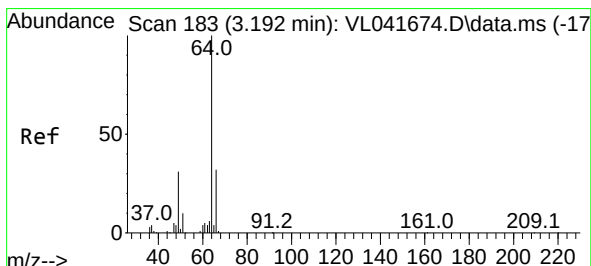
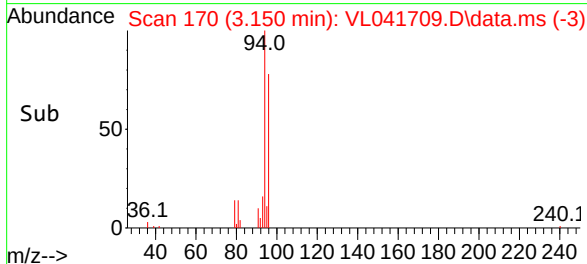
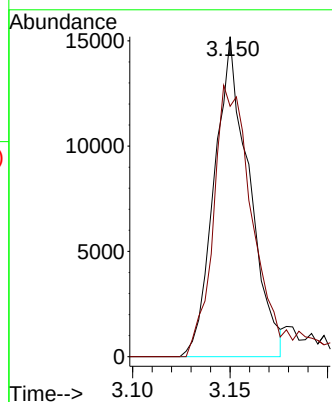
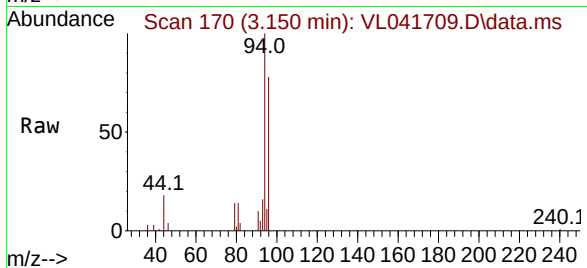




#6
 Bromomethane
 Concen: 0.534 ppbv
 RT: 3.150 min Scan# 11
 Delta R.T. 0.035 min
 Lab File: VL041709.D
 Acq: 20 Nov 2024 21:16

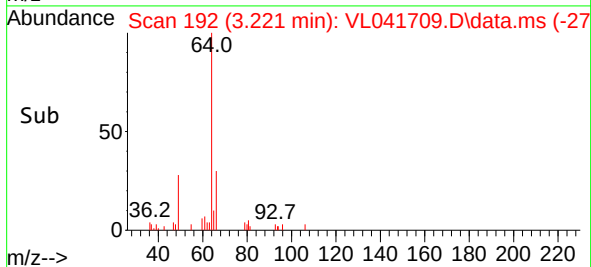
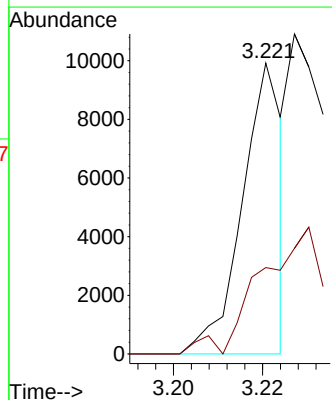
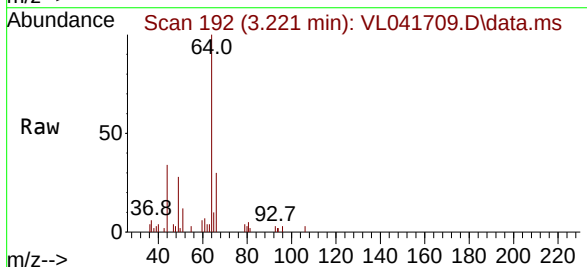
Instrument :
 MSVOA_L
 ClientSampleId :

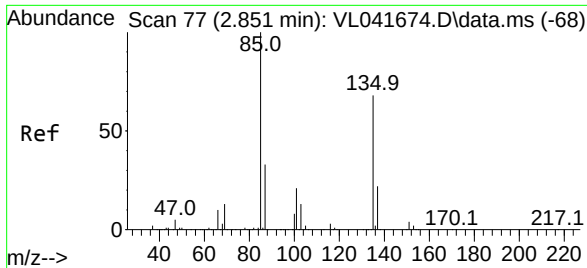
Tgt Ion: 94 Resp: 18794
 Ion Ratio Lower Upper
 94 100
 96 78.2 73.4 110.2



#7
 Chloroethane
 Concen: 0.255 ppbv
 RT: 3.221 min Scan# 192
 Delta R.T. 0.029 min
 Lab File: VL041709.D
 Acq: 20 Nov 2024 21:16

Tgt Ion: 64 Resp: 6177
 Ion Ratio Lower Upper
 64 100
 66 29.7 25.9 38.9

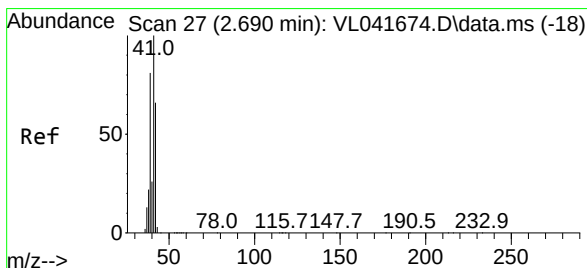
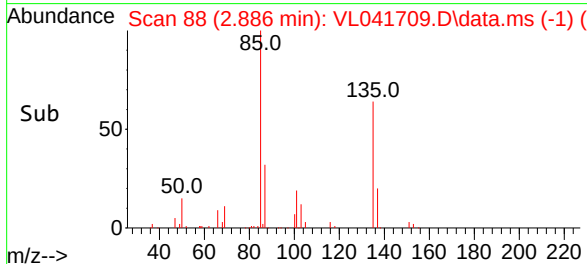
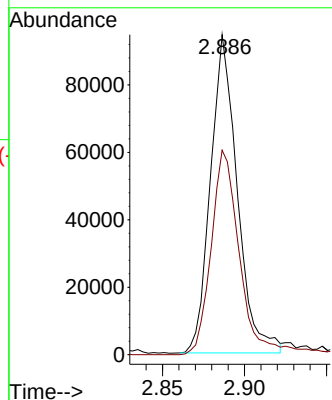
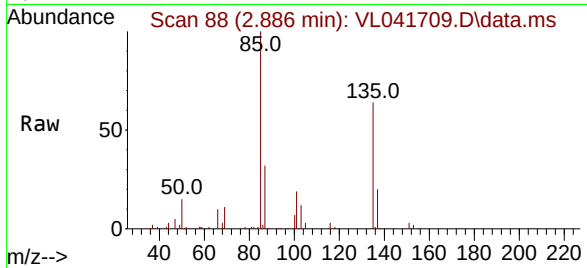




#8
Dichlorotetrafluoroethane
Concen: 0.620 ppbv
RT: 2.886 min Scan# 81
Delta R.T. 0.035 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

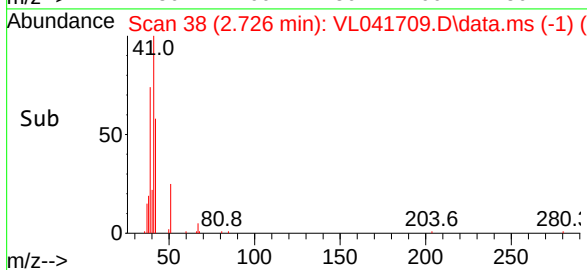
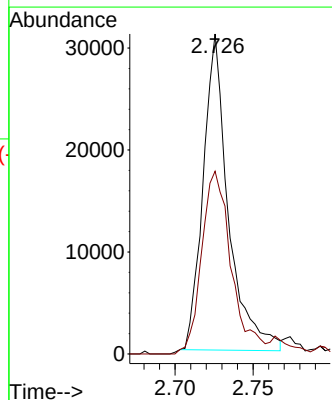
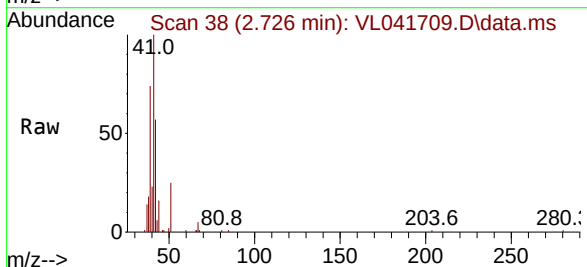
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MSVOA_L
ClientSampleId :

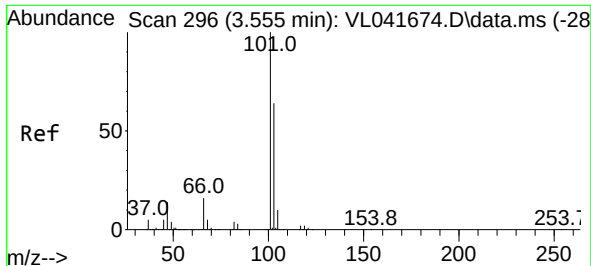
Tgt Ion: 85 Resp: 106894
Ion Ratio Lower Upper
85 100
135 70.2 55.5 83.3



#9
Propene
Concen: 0.575 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.035 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion: 41 Resp: 34912
Ion Ratio Lower Upper
41 100
42 73.4 55.0 82.4

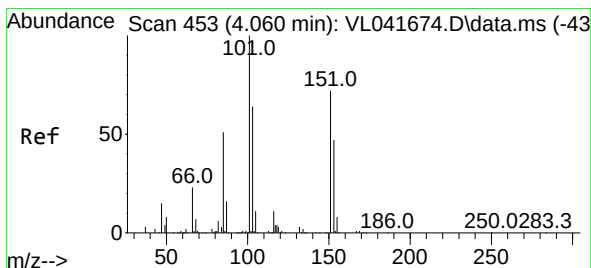
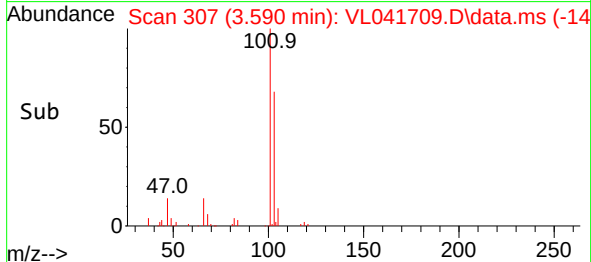
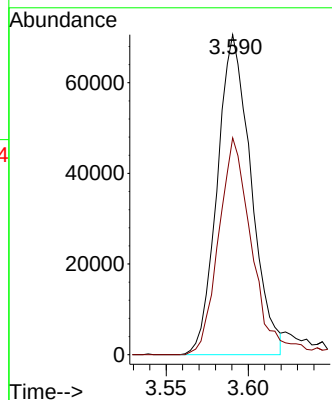
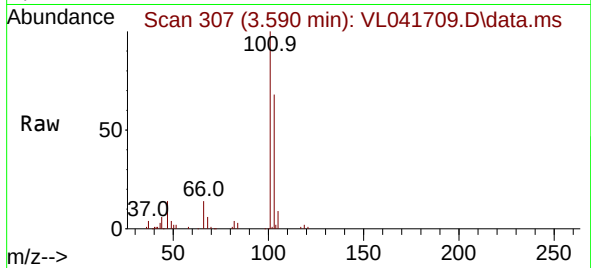




#11
Trichlorofluoromethane
Concen: 0.598 ppbv
RT: 3.590 min Scan# 307
Delta R.T. 0.035 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

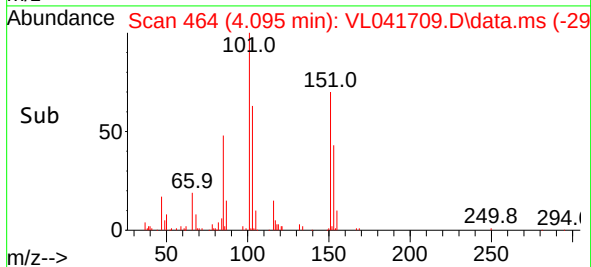
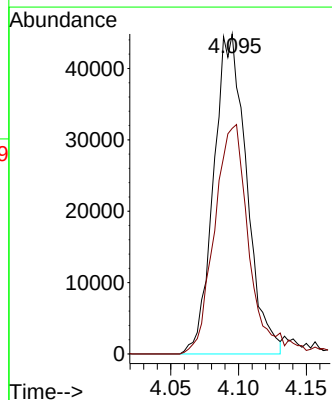
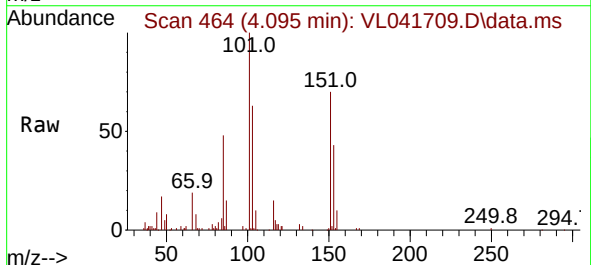
Instrument :
MSVOA_L
ClientSampleId :

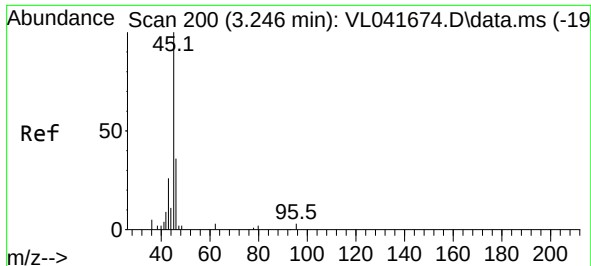
Tgt Ion:101 Resp: 100744
Ion Ratio Lower Upper
101 100
103 67.8 51.0 76.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.618 ppbv
RT: 4.095 min Scan# 464
Delta R.T. 0.035 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion:101 Resp: 75598
Ion Ratio Lower Upper
101 100
151 76.2 59.1 88.7

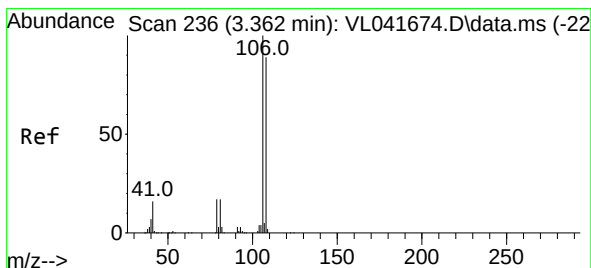
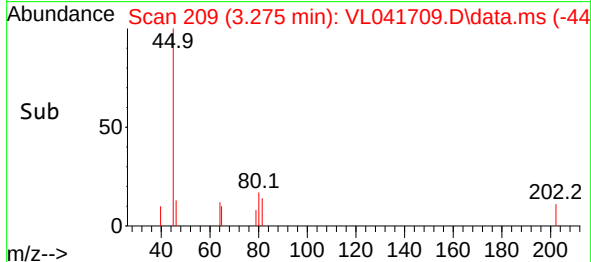
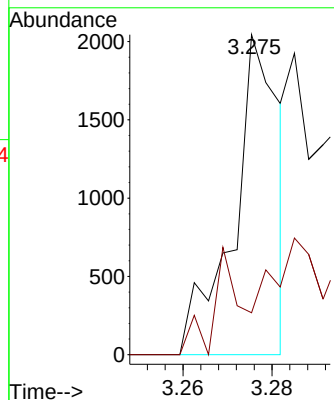
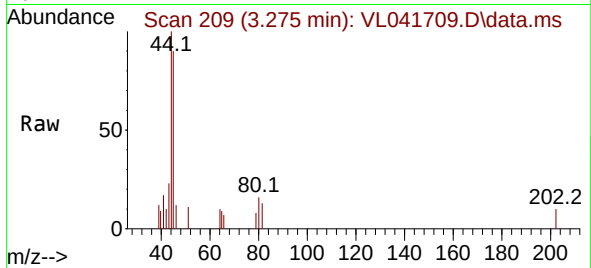




#13
Ethanol
Concen: 0.390 ppbv
RT: 3.275 min Scan# 20
Delta R.T. 0.029 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

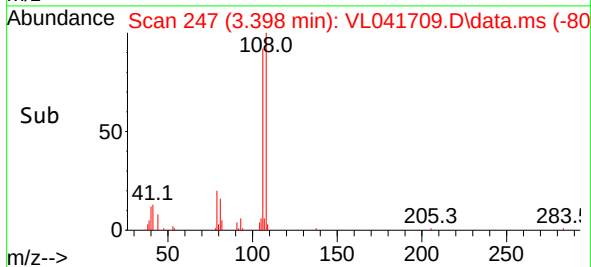
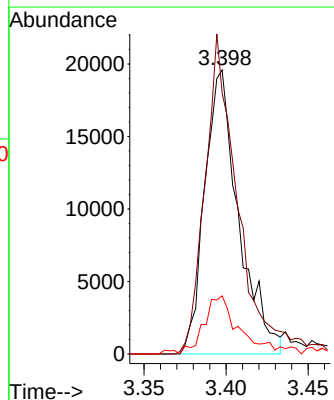
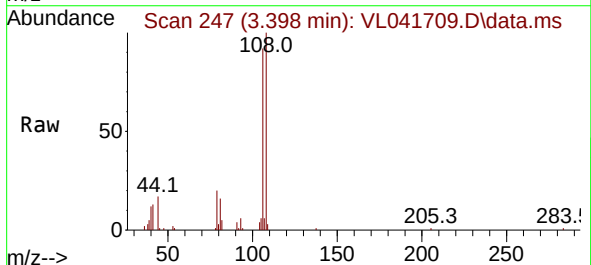
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MSVOA_L
ClientSampleId :

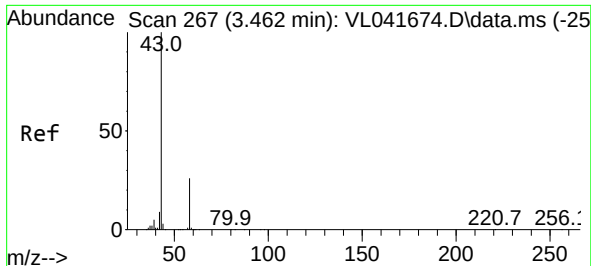
Tgt Ion: 45 Resp: 1450
Ion Ratio Lower Upper
45 100
46 104.6 13.8 55.2#



#14
Bromoethene
Concen: 0.574 ppbv
RT: 3.398 min Scan# 247
Delta R.T. 0.035 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion:108 Resp: 28226
Ion Ratio Lower Upper
108 100
106 111.1 88.6 133.0
79 24.2 15.6 23.4#

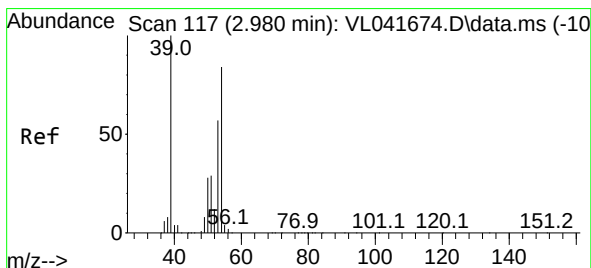
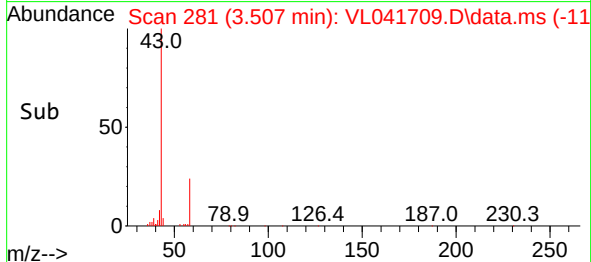
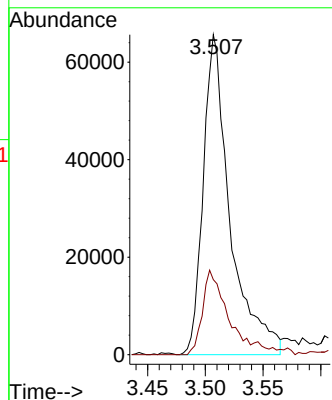
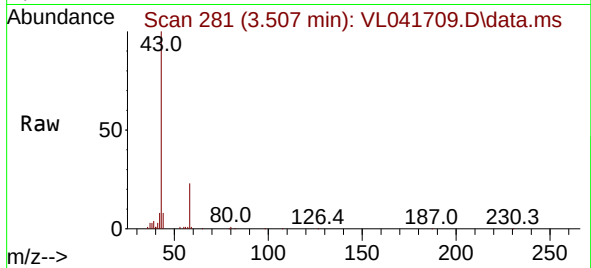




#15
Acetone
Concen: 0.805 ppbv
RT: 3.507 min Scan# 21
Delta R.T. 0.045 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

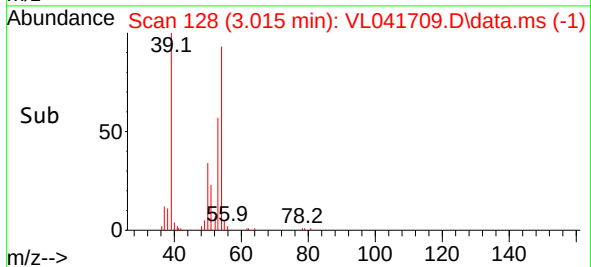
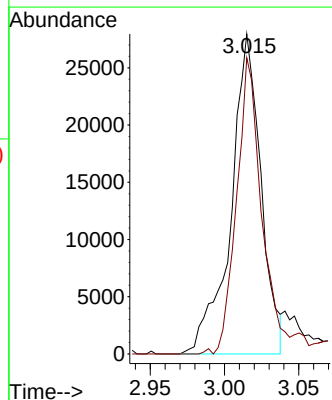
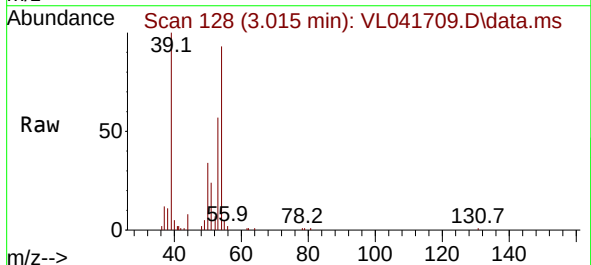
Instrument :
MSVOA_L
ClientSampleId :

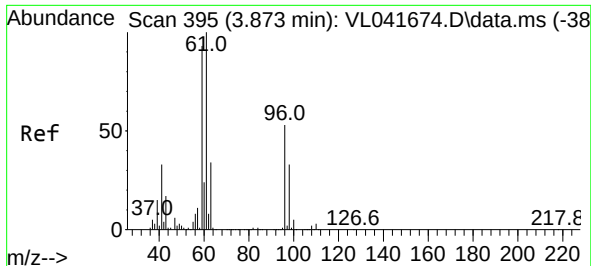
Tgt Ion: 43 Resp: 106011
Ion Ratio Lower Upper
43 100
58 26.7 21.4 32.0



#16
1,3-Butadiene
Concen: 0.594 ppbv
RT: 3.015 min Scan# 128
Delta R.T. 0.035 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion: 39 Resp: 39421
Ion Ratio Lower Upper
39 100
54 84.7 61.3 91.9





#17

tert-Butyl alcohol

Concen: 0.594 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.051 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

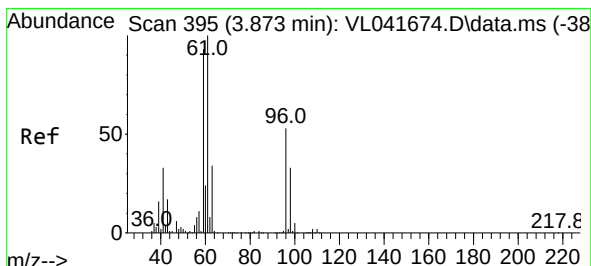
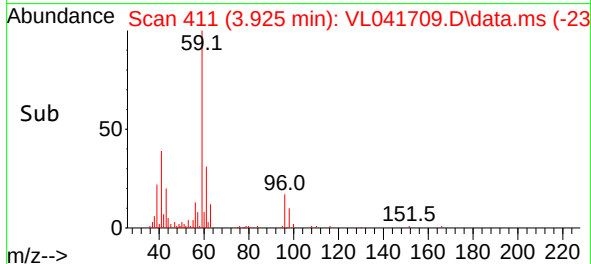
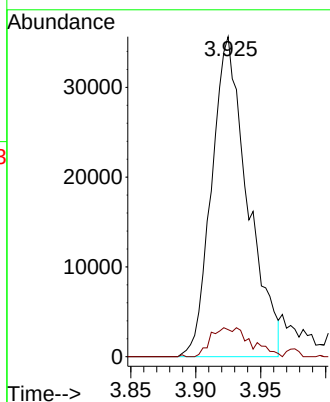
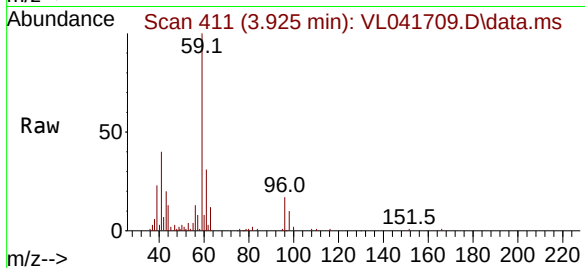
ClientSampleId :

Tgt Ion: 59 Resp: 68619

Ion Ratio Lower Upper

59 100

57 10.9 8.5 12.7



#18

1,1-Dichloroethene

Concen: 0.561 ppbv

RT: 3.912 min Scan# 407

Delta R.T. 0.039 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

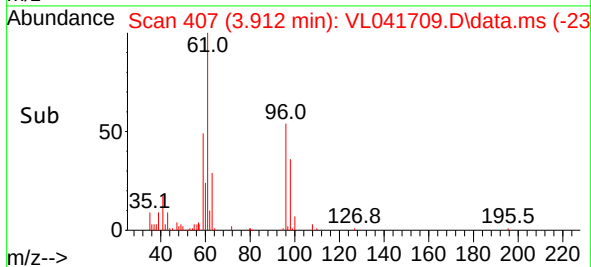
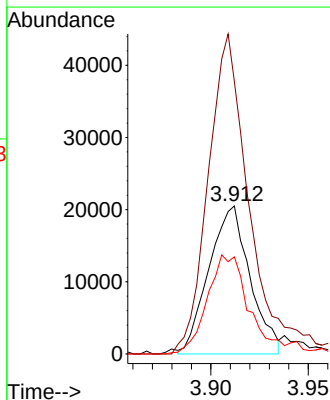
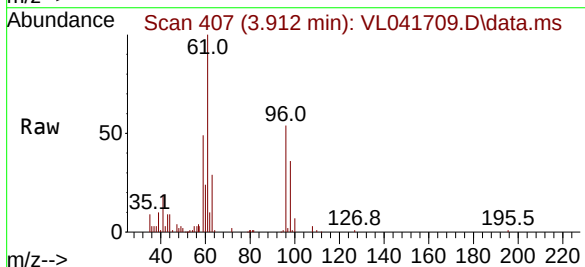
Tgt Ion: 96 Resp: 30100

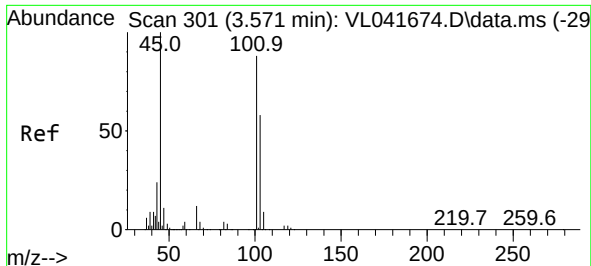
Ion Ratio Lower Upper

96 100

61 181.9 150.7 226.1

98 65.9 49.4 74.2





#19

Isopropyl Alcohol

Concen: 0.585 ppbv

RT: 3.619 min Scan# 316

Delta R.T. 0.048 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

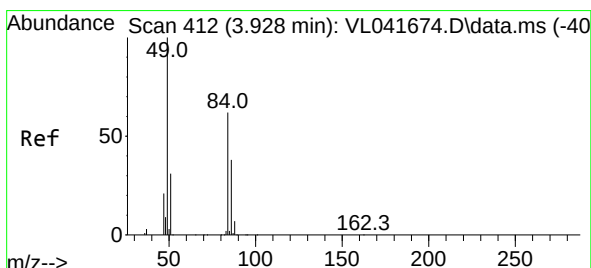
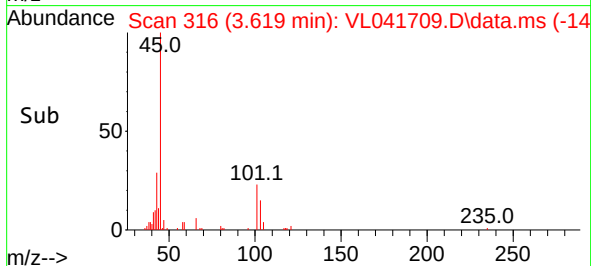
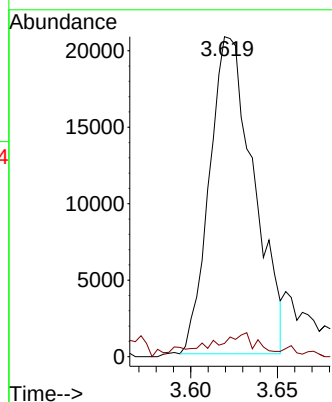
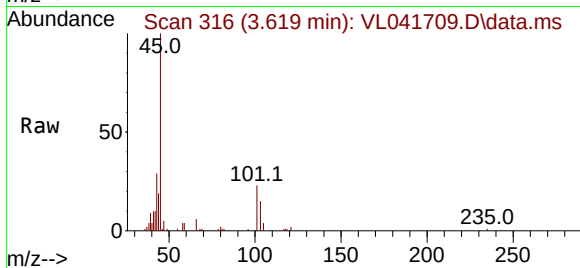
ClientSampleId :

Tgt Ion: 45 Resp: 36810

Ion Ratio Lower Upper

45 100

58 8.3 2.5 3.7#



#20

Methylene Chloride

Concen: 0.707 ppbv

RT: 3.960 min Scan# 422

Delta R.T. 0.032 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Tgt Ion: 84 Resp: 34248

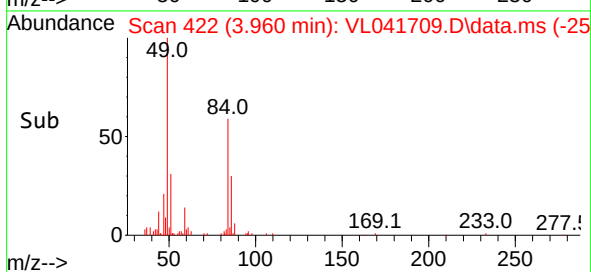
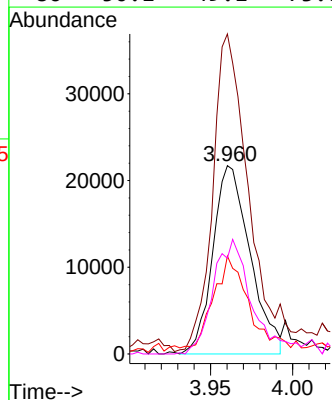
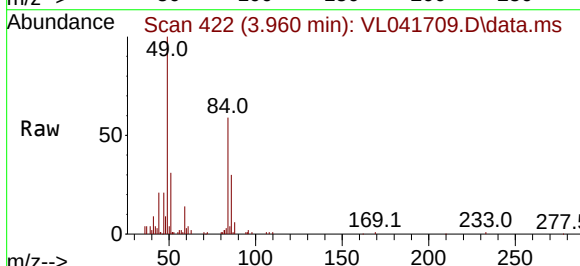
Ion Ratio Lower Upper

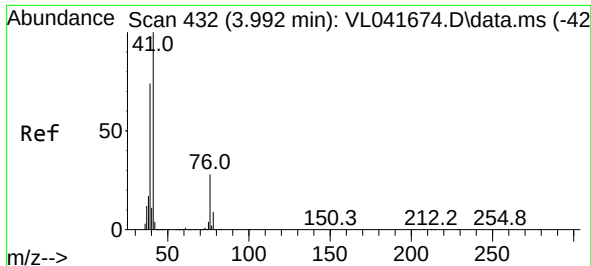
84 100

49 166.0 129.7 194.5

51 48.8 39.8 59.6

86 50.1 49.1 73.7





#21

Allyl Chloride

Concen: 0.554 ppbv

RT: 4.025 min Scan# 41

Delta R.T. 0.032 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :

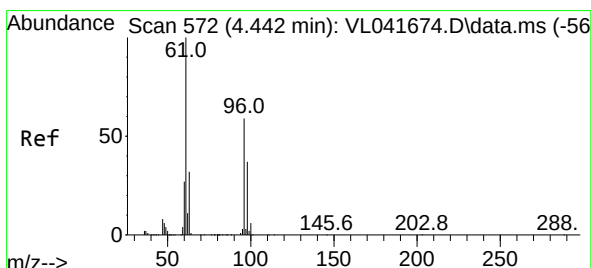
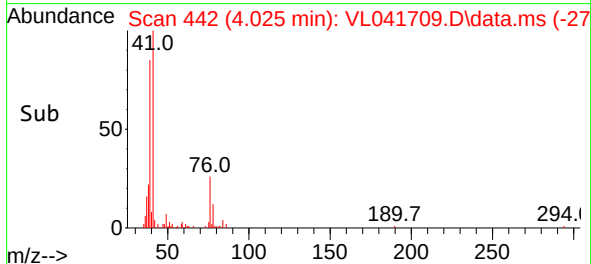
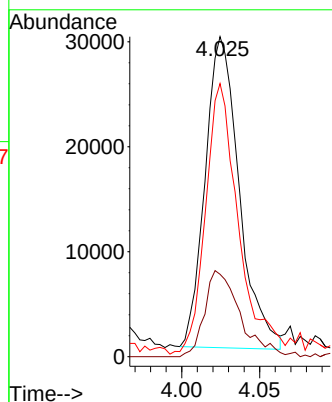
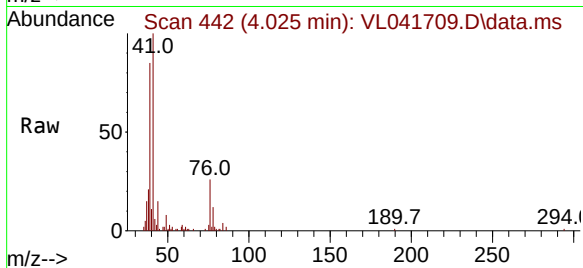
Tgt Ion: 41 Resp: 45021

Ion Ratio Lower Upper

41 100

76 29.7 23.5 35.3

39 91.6 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 0.573 ppbv

RT: 4.475 min Scan# 582

Delta R.T. 0.032 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

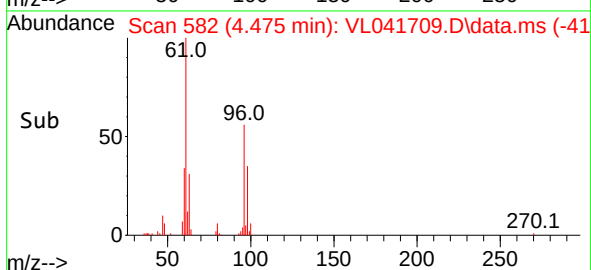
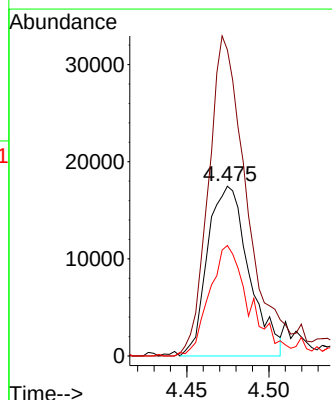
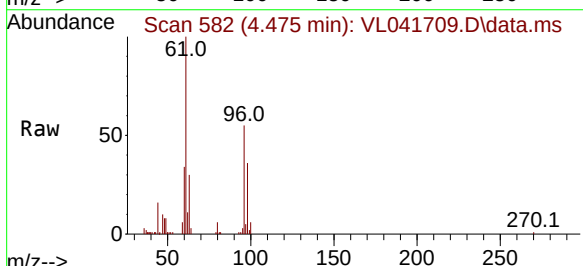
Tgt Ion: 96 Resp: 30592

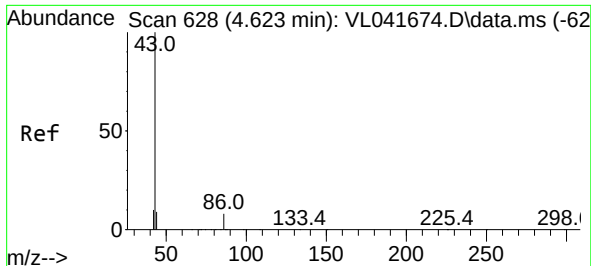
Ion Ratio Lower Upper

96 100

61 178.8 134.5 201.7

98 63.0 49.6 74.4



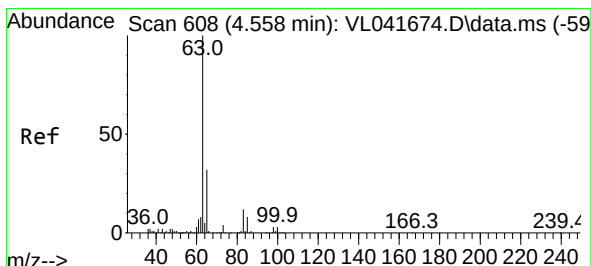
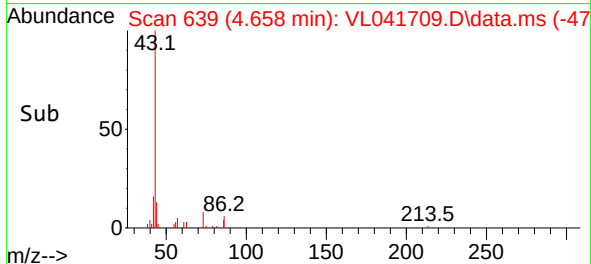
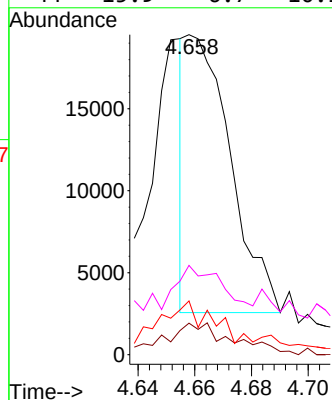
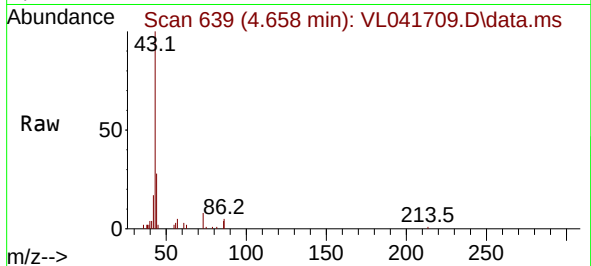


#23
Vinyl Acetate
Concen: 0.318 ppbv
RT: 4.658 min Scan# 618
Delta R.T. 0.035 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 18461

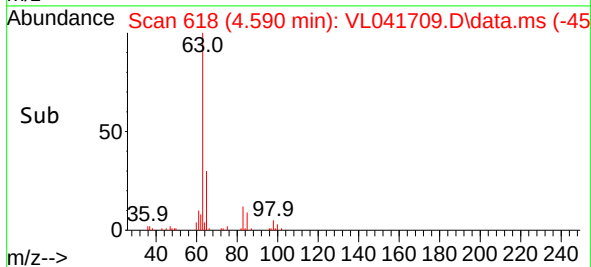
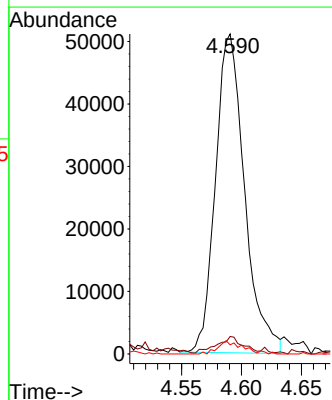
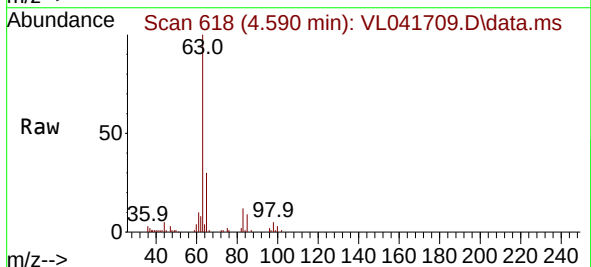
Ion	Ratio	Lower	Upper
43	100		
86	10.2	5.3	7.9#
42	15.0	8.5	12.7#
44	15.9	6.7	10.1#

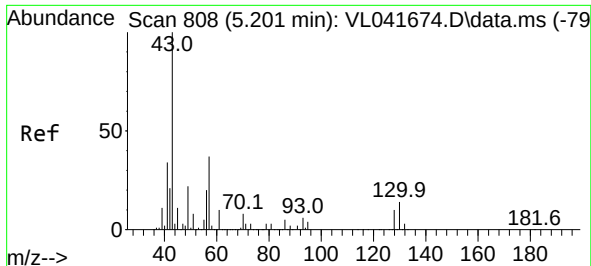


#24
1,1-Dichloroethane
Concen: 0.721 ppbv
RT: 4.590 min Scan# 618
Delta R.T. 0.032 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion: 63 Resp: 85937

Ion	Ratio	Lower	Upper
63	100		
98	4.8	1.8	5.4
100	2.9	1.4	4.2

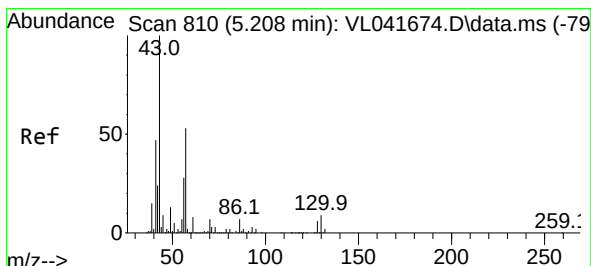
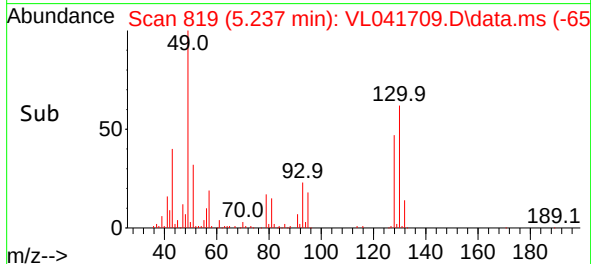
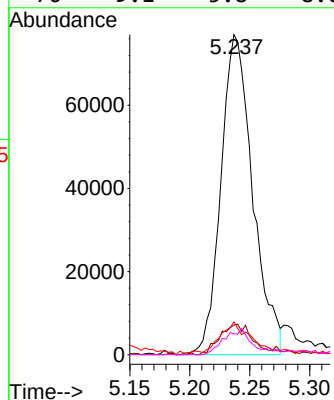
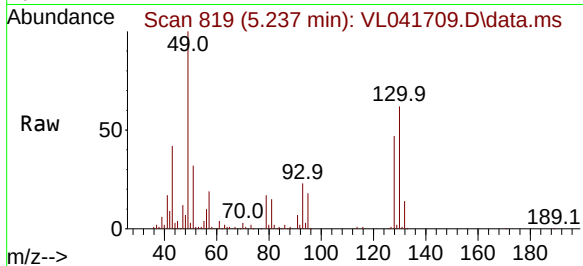




#25
Ethyl Acetate
Concen: 0.520 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.035 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

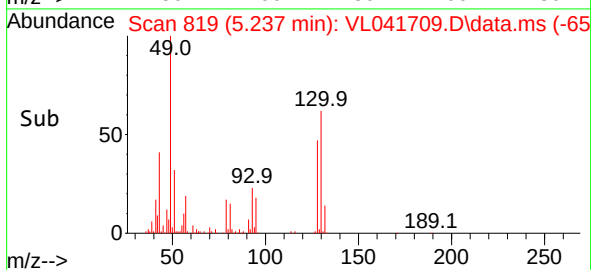
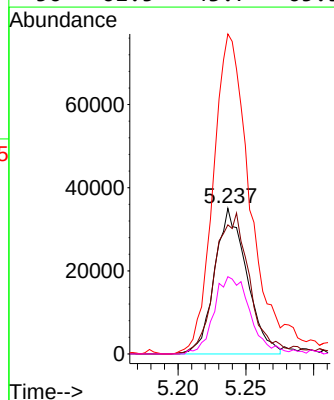
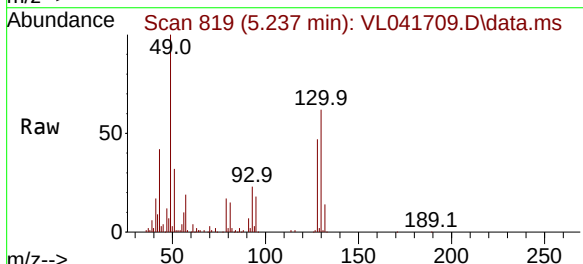
Instrument :
MSVOA_L
ClientSampleId :

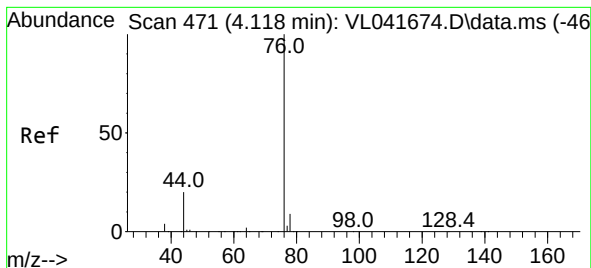
Tgt Ion: 43 Resp: 141724
Ion Ratio Lower Upper
43 100
45 11.2 8.6 13.0
61 12.0 8.4 12.6
70 9.1 5.8 8.6#



#26
Hexane
Concen: 0.552 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.029 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion: 57 Resp: 57820
Ion Ratio Lower Upper
57 100
41 109.4 76.1 114.1
43 264.9 207.0 310.6
56 61.5 43.7 65.5





#27

Carbon Disulfide

Concen: 0.422 ppbv

RT: 4.156 min Scan# 41

Delta R.T. 0.039 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :

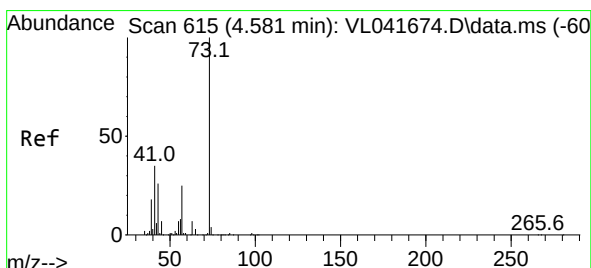
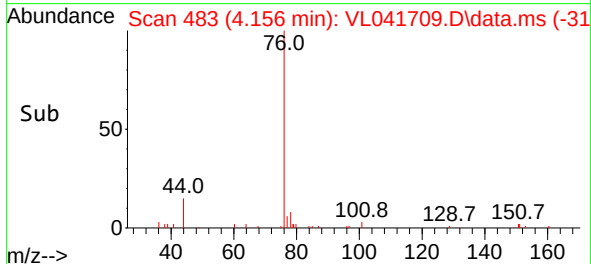
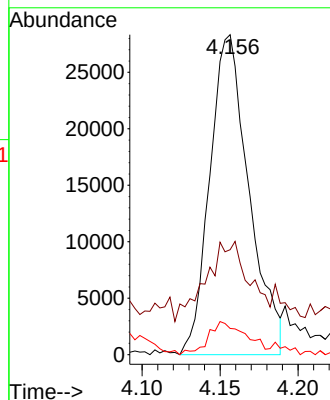
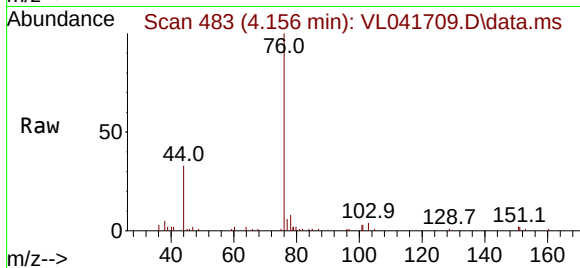
Tgt Ion: 76 Resp: 49591

Ion Ratio Lower Upper

76 100

44 36.5 15.8 23.8#

78 11.5 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.229 ppbv

RT: 4.616 min Scan# 626

Delta R.T. 0.035 min

Lab File: VL041709.D

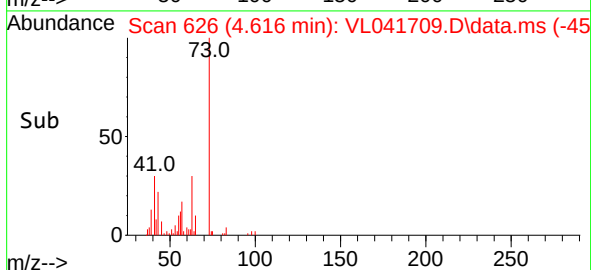
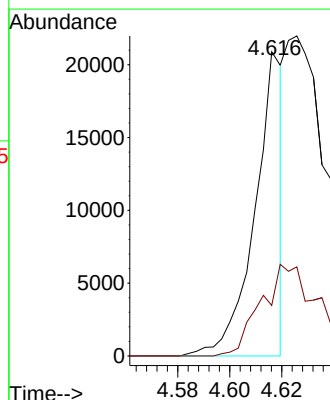
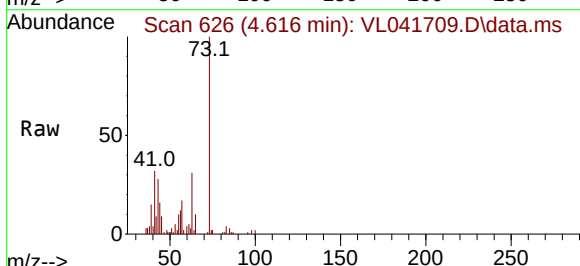
Acq: 20 Nov 2024 21:16

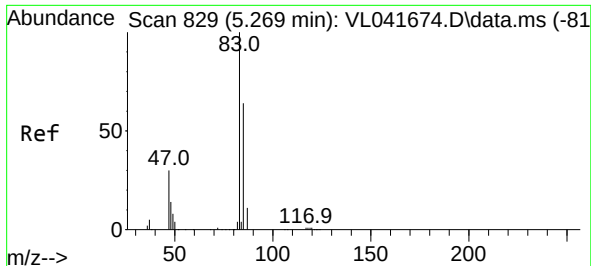
Tgt Ion: 73 Resp: 15407

Ion Ratio Lower Upper

73 100

57 71.5 19.6 29.4#

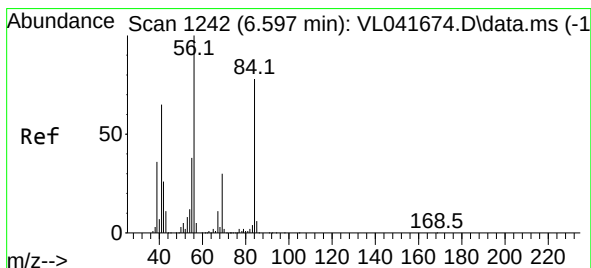
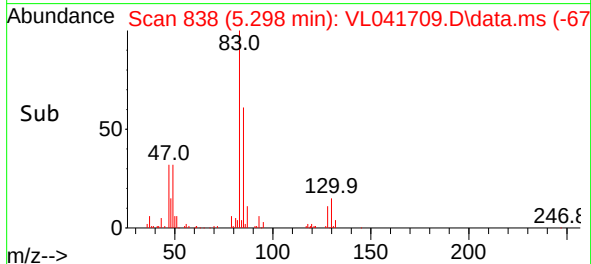
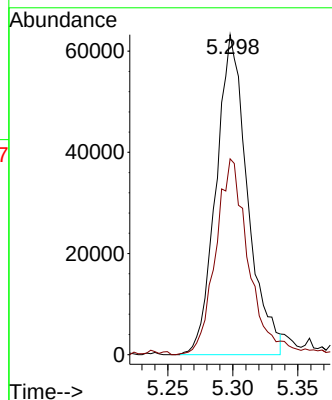
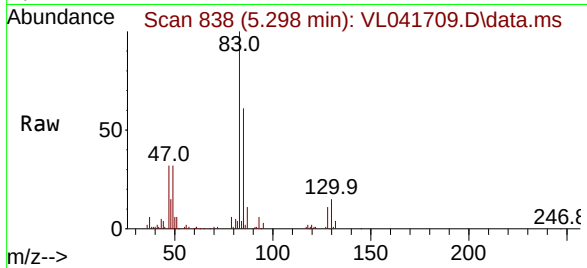




#29
Chloroform
Concen: 0.617 ppbv
RT: 5.298 min Scan# 81
Delta R.T. 0.029 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

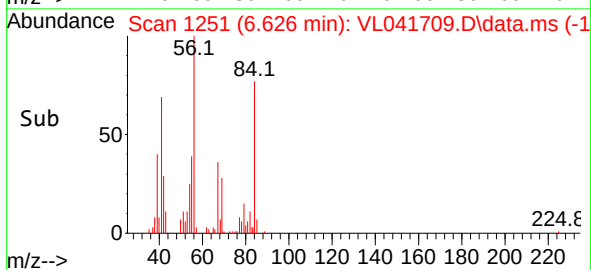
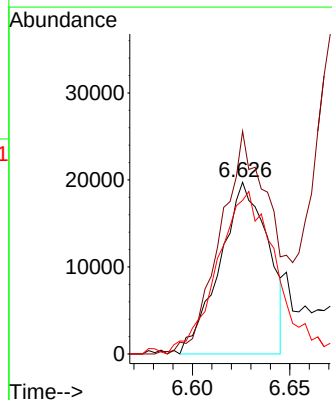
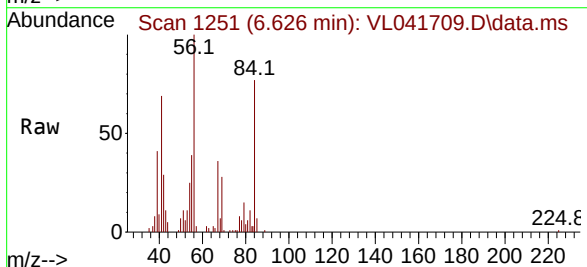
Instrument :
MSVOA_L
ClientSampleId :

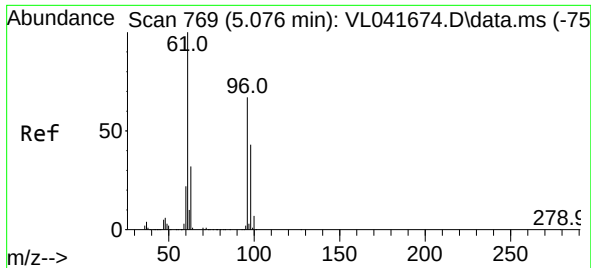
Tgt Ion: 83 Resp: 106585
Ion Ratio Lower Upper
83 100
85 60.9 51.1 76.7



#30
Cyclohexane
Concen: 0.380 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. 0.029 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

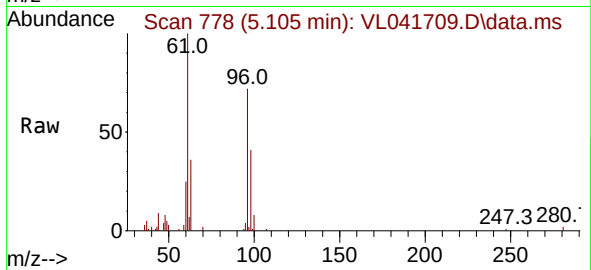
Tgt Ion: 84 Resp: 33879
Ion Ratio Lower Upper
84 100
56 141.2 110.8 166.2
41 121.0 70.0 105.0#



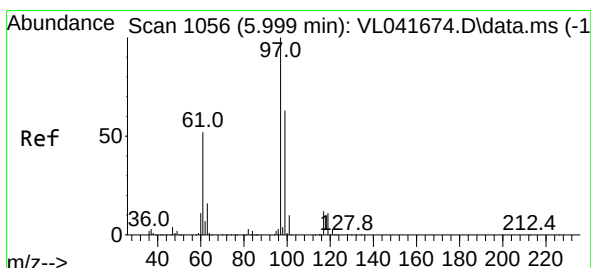
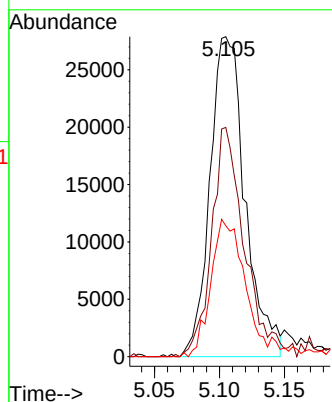
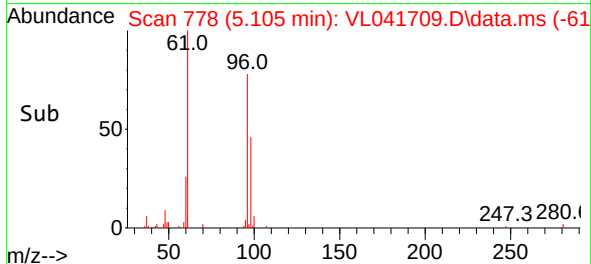


#31
 cis-1,2-Dichloroethene
 Concen: 0.521 ppbv
 RT: 5.105 min Scan# 71
 Delta R.T. 0.029 min
 Lab File: VL041709.D
 Acq: 20 Nov 2024 21:16

Instrument :
 MSVOA_L
 ClientSampleId :

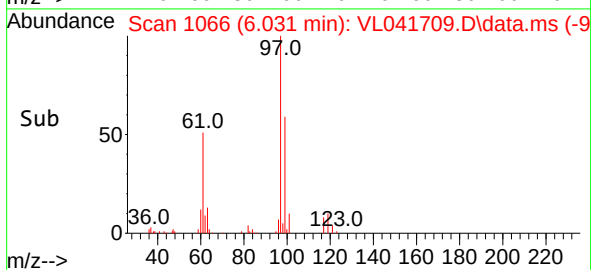
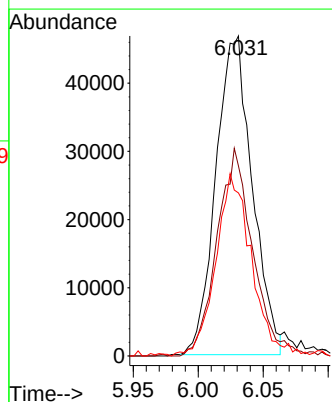
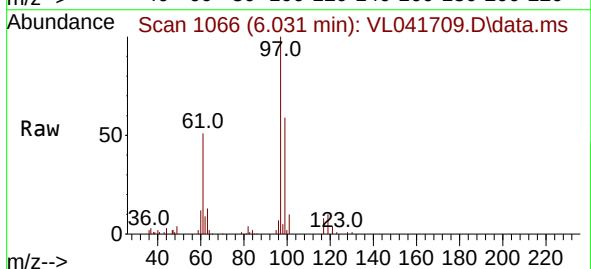


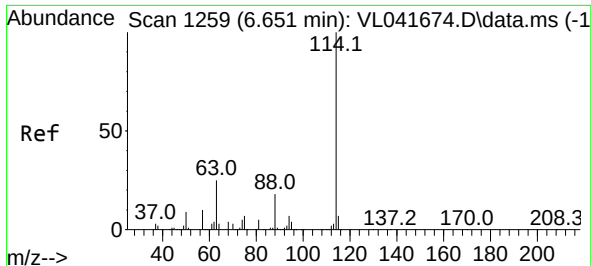
Tgt Ion: 61 Resp: 52495
 Ion Ratio Lower Upper
 61 100
 96 71.6 53.4 80.2
 98 40.9 34.0 51.0



#32
 1,1,1-Trichloroethane
 Concen: 0.578 ppbv
 RT: 6.031 min Scan# 1066
 Delta R.T. 0.032 min
 Lab File: VL041709.D
 Acq: 20 Nov 2024 21:16

Tgt Ion: 97 Resp: 91150
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.4 77.2
 61 57.0 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.677 min Scan# 11

Delta R.T. 0.026 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :

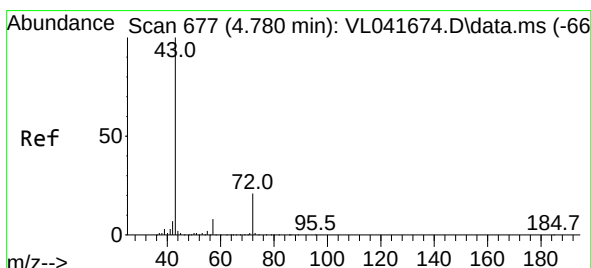
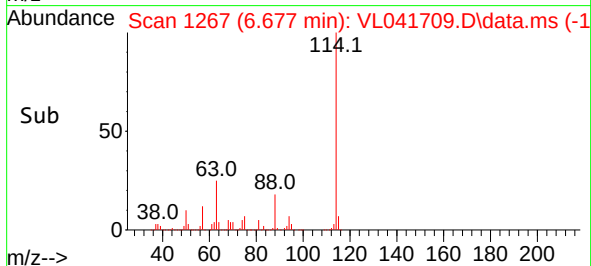
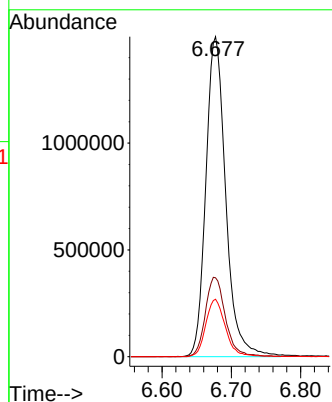
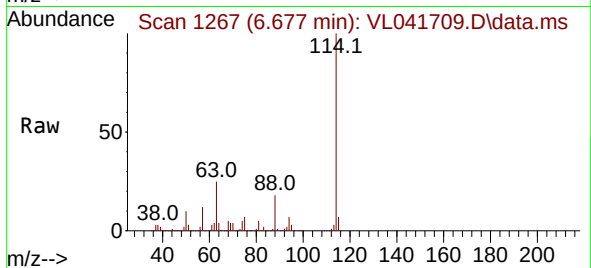
Tgt Ion:114 Resp: 2979786

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 17.9 14.2 21.4



#34

2-Butanone

Concen: 0.497 ppbv

RT: 4.822 min Scan# 690

Delta R.T. 0.042 min

Lab File: VL041709.D

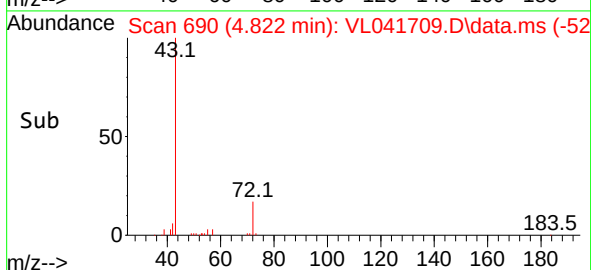
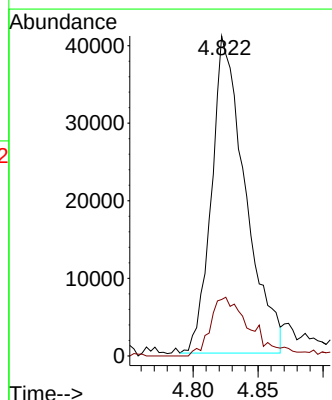
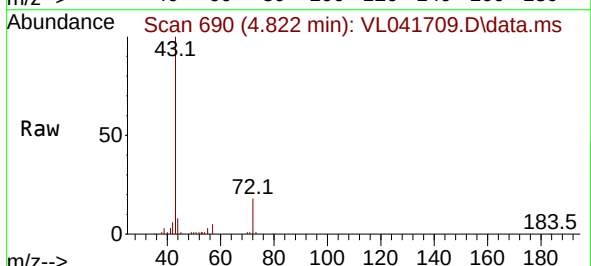
Acq: 20 Nov 2024 21:16

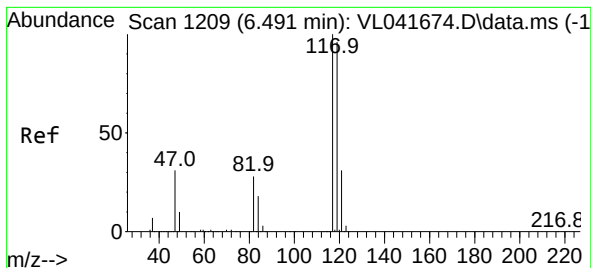
Tgt Ion: 43 Resp: 73715

Ion Ratio Lower Upper

43 100

72 23.2 17.4 26.0





#35

Carbon Tetrachloride

Concen: 0.568 ppbv

RT: 6.516 min Scan# 117

Delta R.T. 0.026 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :

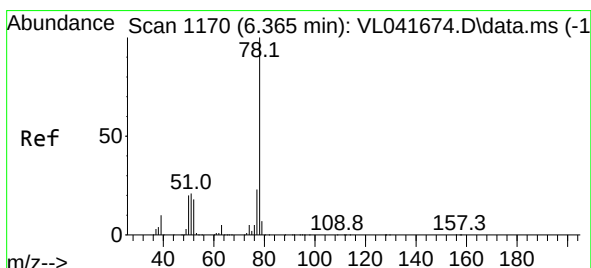
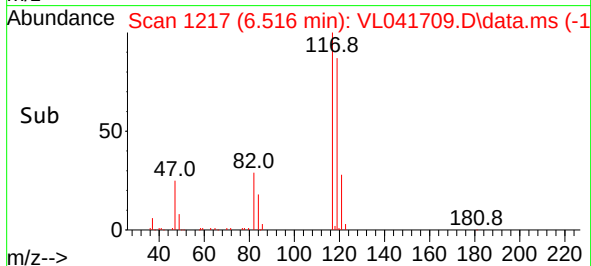
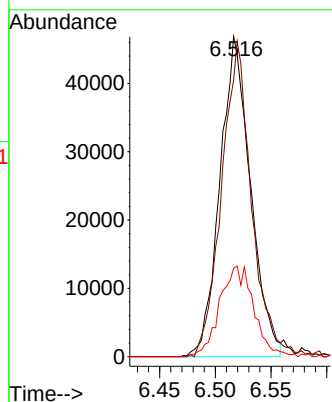
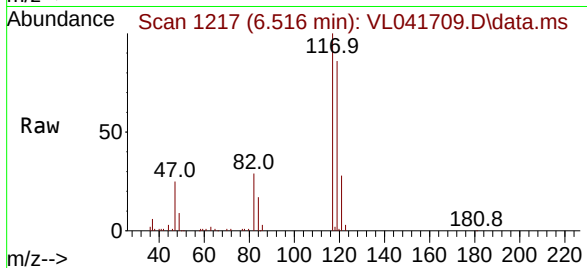
Tgt Ion:117 Resp: 89375

Ion Ratio Lower Upper

117 100

119 86.4 77.2 115.8

121 27.6 25.0 37.4



#36

Benzene

Concen: 0.549 ppbv

RT: 6.394 min Scan# 1179

Delta R.T. 0.029 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

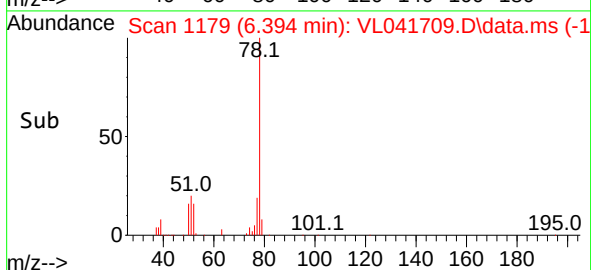
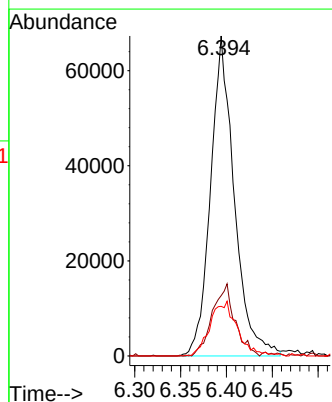
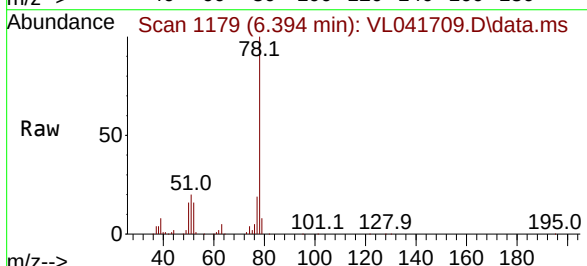
Tgt Ion: 78 Resp: 121169

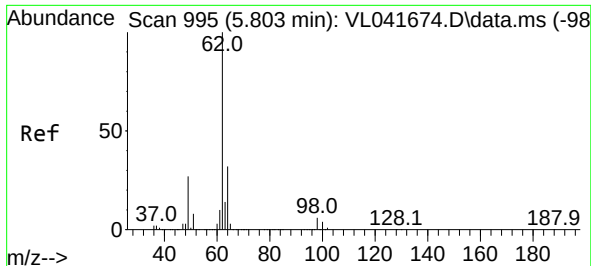
Ion Ratio Lower Upper

78 100

77 18.6 18.5 27.7

50 15.5 15.6 23.4#

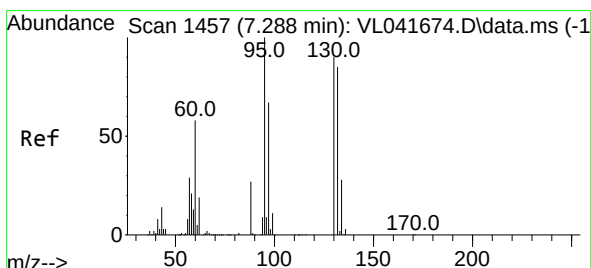
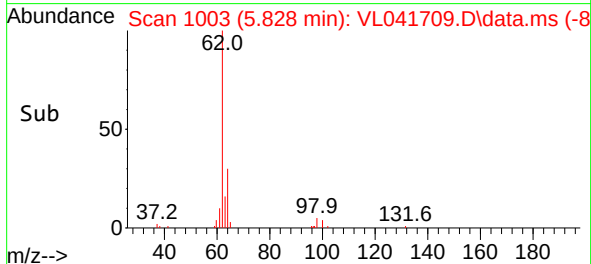
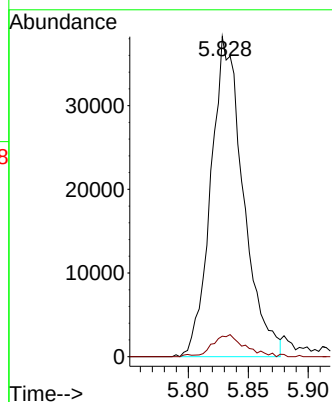
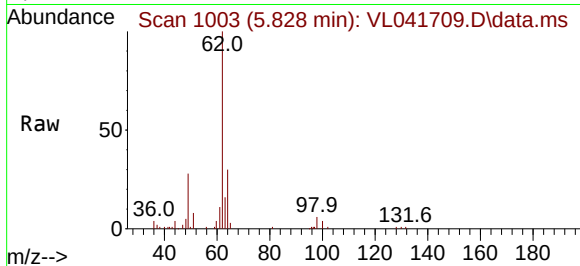




#37
1,2-Dichloroethane
Concen: 0.577 ppbv
RT: 5.828 min Scan# 10
Delta R.T. 0.026 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

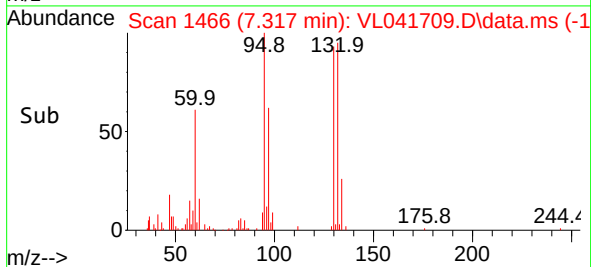
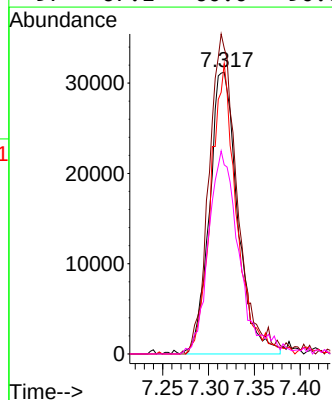
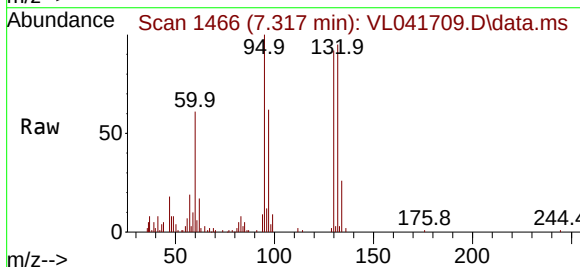
Instrument :
MSVOA_L
ClientSampleId :

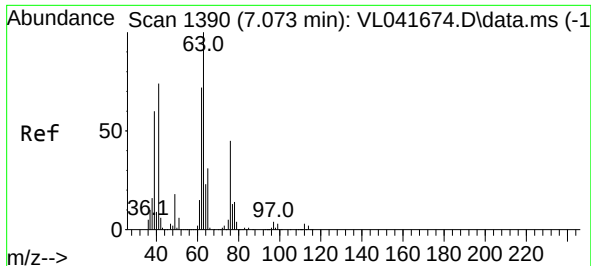
Tgt Ion: 62 Resp: 71871
Ion Ratio Lower Upper
62 100
98 7.0 5.2 7.8



#38
Trichloroethene
Concen: 0.787 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.029 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion:130 Resp: 66721
Ion Ratio Lower Upper
130 100
95 108.6 89.1 133.7
132 103.0 75.7 113.5
97 67.1 60.0 90.0





#39

1,2-Dichloropropane

Concen: 0.561 ppbv

RT: 7.098 min Scan# 1

Delta R.T. 0.026 min

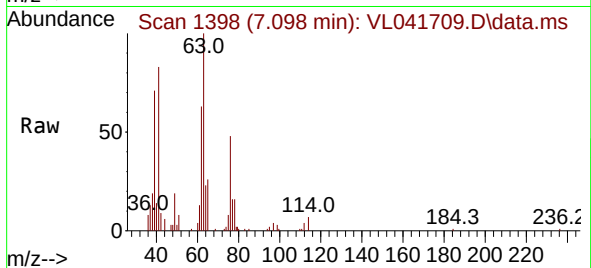
Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :



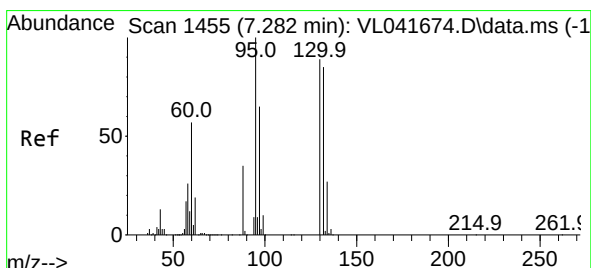
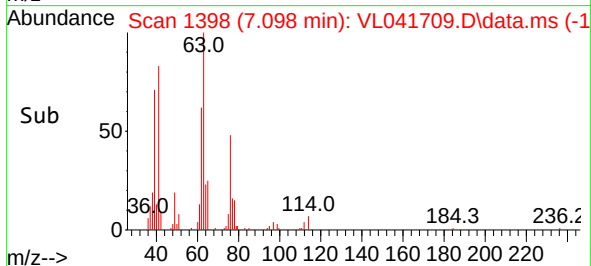
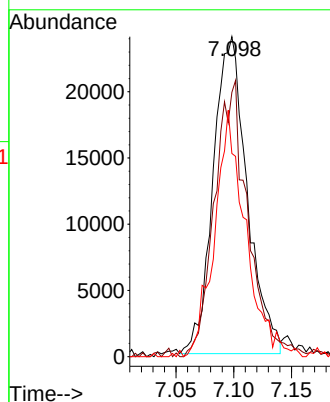
Tgt Ion: 63 Resp: 48964

Ion Ratio Lower Upper

63 100

41 83.4 59.1 88.7

62 62.1 57.7 86.5



#40

1,4-Dioxane

Concen: 0.243 ppbv

RT: 7.346 min Scan# 1475

Delta R.T. 0.064 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Tgt Ion: 88 Resp: 7610

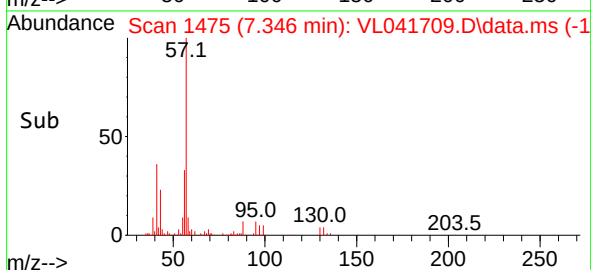
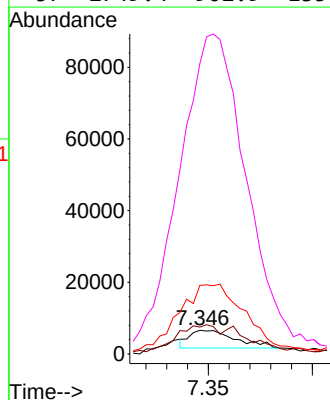
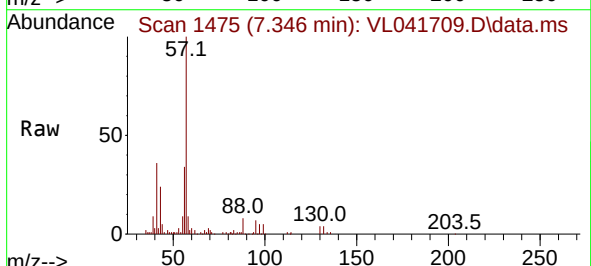
Ion Ratio Lower Upper

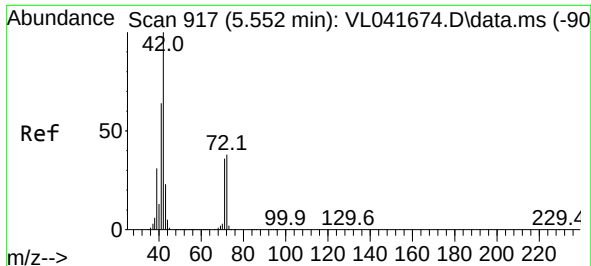
88 100

58 286.1 101.4 152.2#

43 616.9 208.0 312.0#

57 2749.4 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 0.407 ppbv

RT: 5.606 min Scan# 917

Delta R.T. 0.055 min

Lab File: VL041709.D

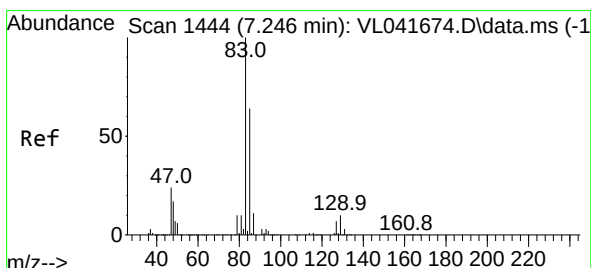
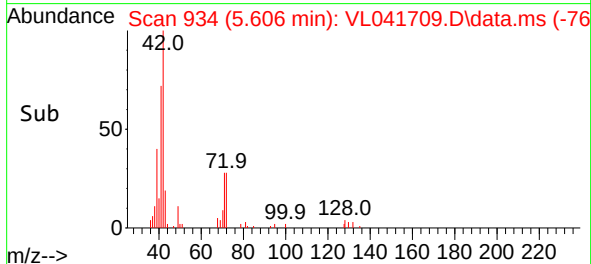
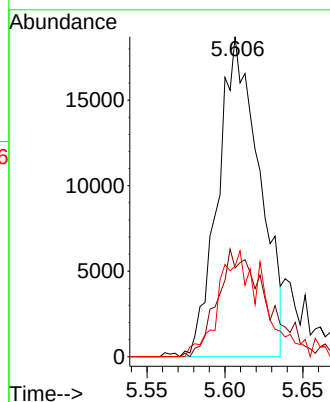
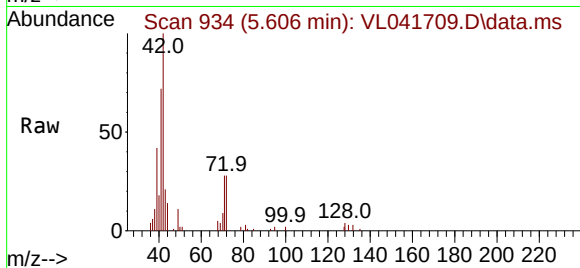
Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	42	Resp:	34524
Ion	Ratio	Lower	Upper
42	100		
72	42.2	29.8	44.6
71	39.7	29.4	44.2



#42

Bromodichloromethane

Concen: 0.523 ppbv

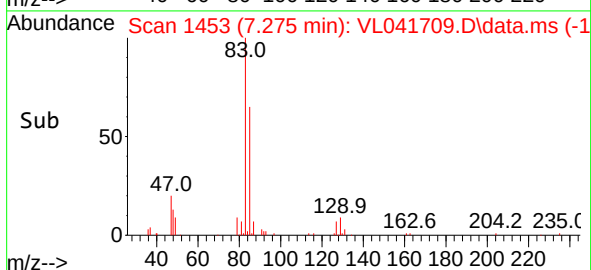
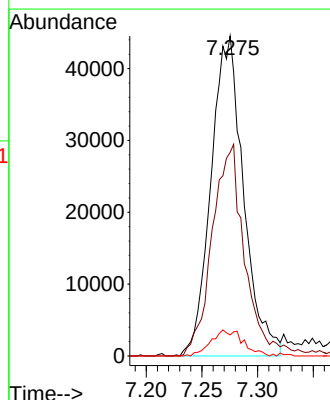
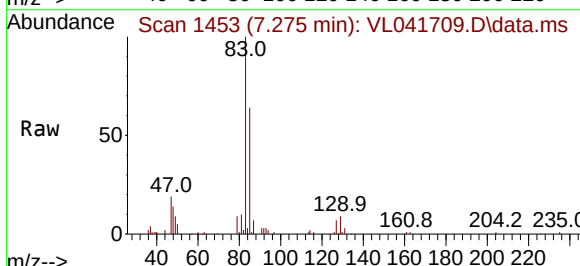
RT: 7.275 min Scan# 1453

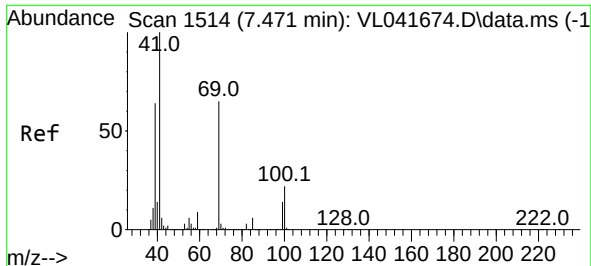
Delta R.T. 0.029 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Tgt Ion:	83	Resp:	90444
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.2	76.8
127	6.6	6.0	9.0





#43

Methyl Methacrylate

Concen: 0.346 ppbv

RT: 7.503 min Scan# 11

Delta R.T. 0.032 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :

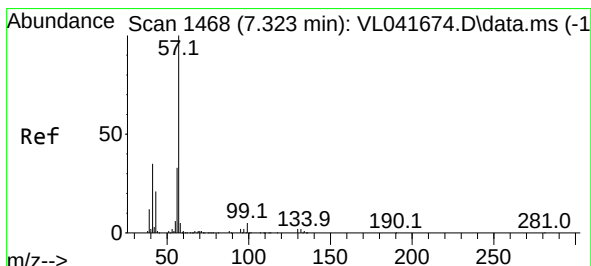
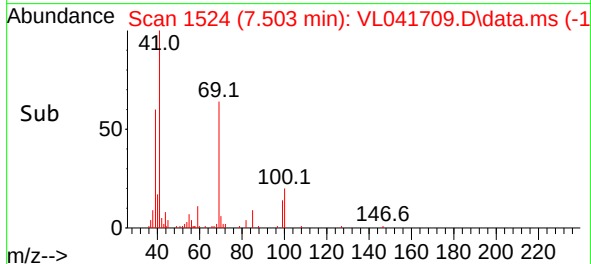
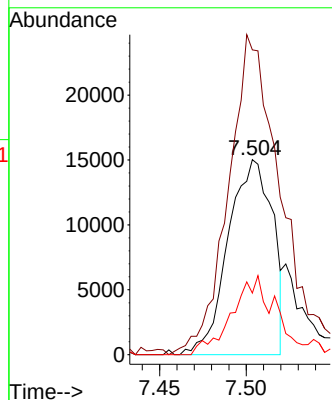
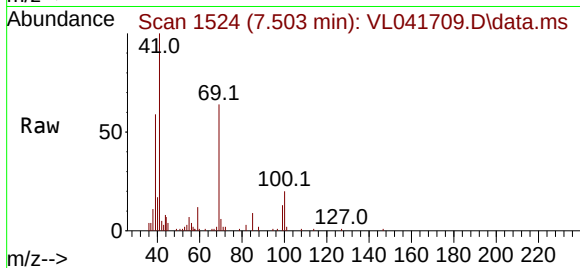
Tgt Ion: 69 Resp: 26801

Ion Ratio Lower Upper

69 100

41 194.7 119.8 179.6#

100 42.1 27.3 40.9#



#44

2,2,4-Trimethylpentane

Concen: 0.555 ppbv

RT: 7.352 min Scan# 1477

Delta R.T. 0.029 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

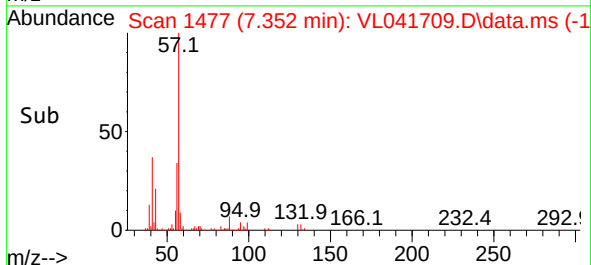
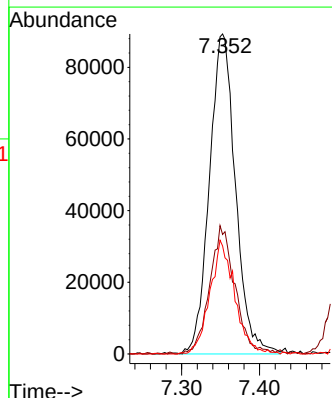
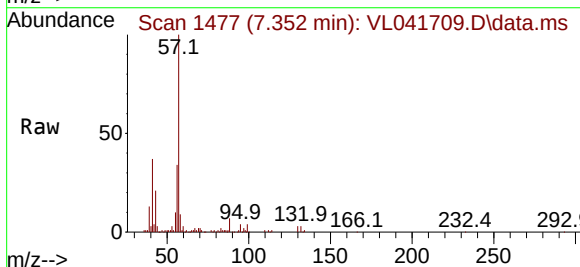
Tgt Ion: 57 Resp: 207695

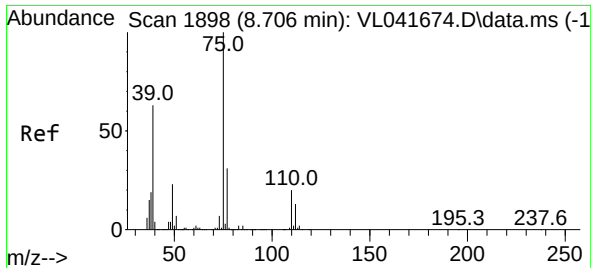
Ion Ratio Lower Upper

57 100

41 39.4 27.0 40.6

56 34.0 25.8 38.6

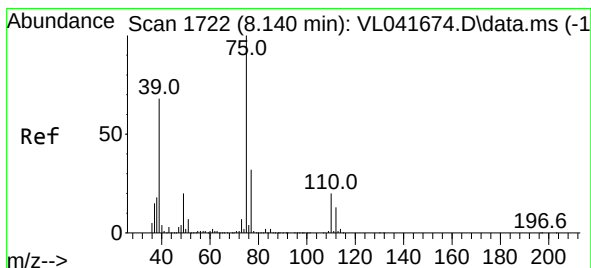
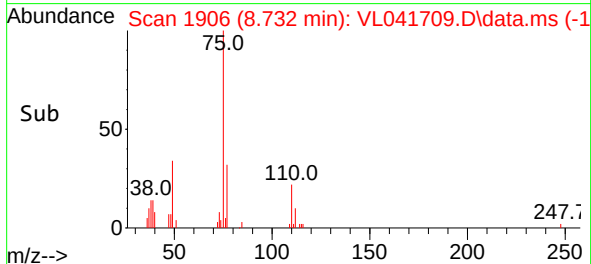
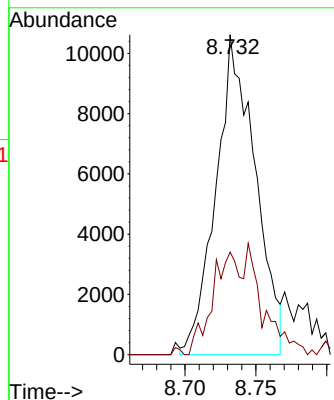
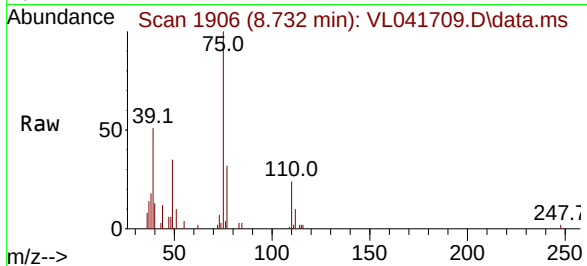




#45
 t-1,3-Dichloropropene
 Concen: 0.289 ppbv
 RT: 8.732 min Scan# 1906
 Delta R.T. 0.026 min
 Lab File: VL041709.D
 Acq: 20 Nov 2024 21:16

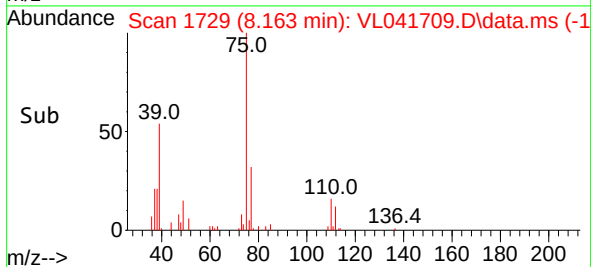
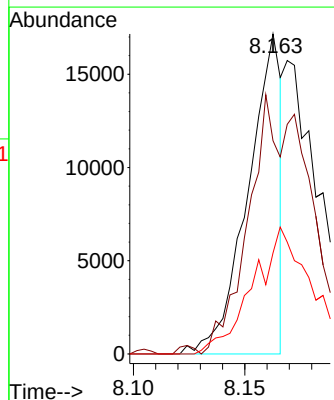
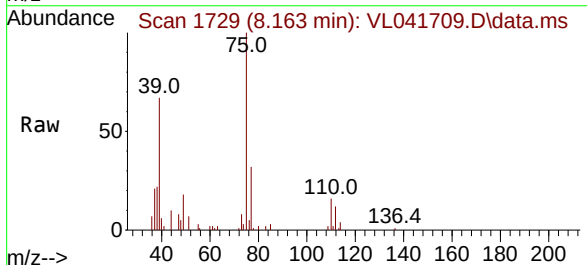
Instrument :
 MSVOA_L
 ClientSampleId :

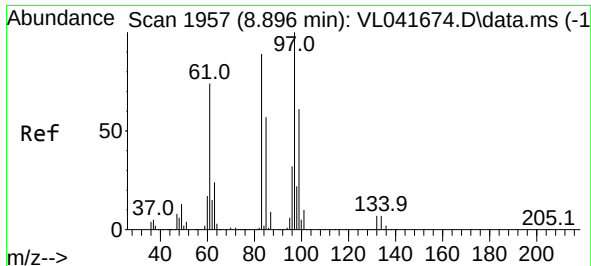
Tgt Ion: 75 Resp: 20453
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.7 37.1



#46
 cis-1,3-Dichloropropene
 Concen: 0.175 ppbv
 RT: 8.163 min Scan# 1729
 Delta R.T. 0.023 min
 Lab File: VL041709.D
 Acq: 20 Nov 2024 21:16

Tgt Ion: 75 Resp: 17783
 Ion Ratio Lower Upper
 75 100
 39 64.5 54.1 81.1
 77 31.5 25.3 37.9

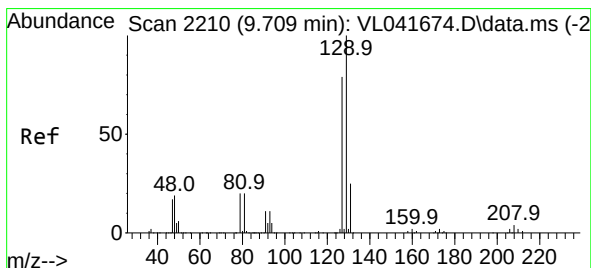
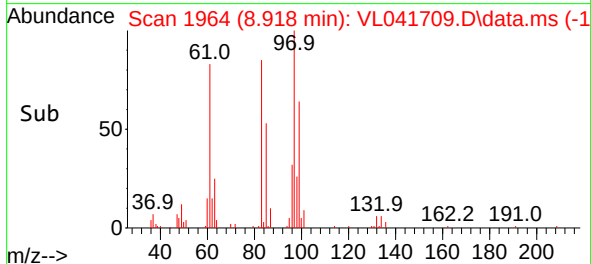
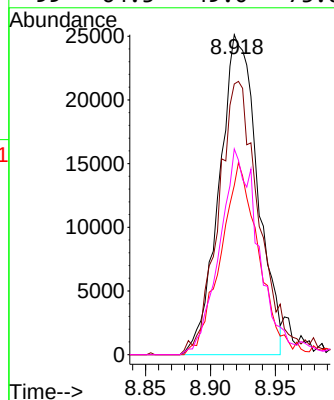
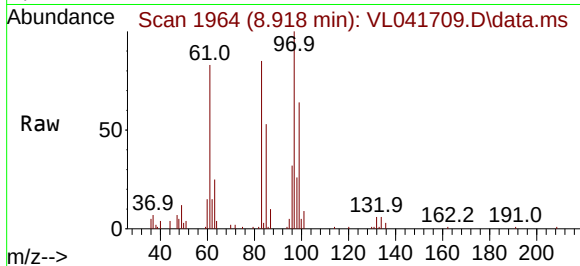




#47
1,1,2-Trichloroethane
Concen: 0.546 ppbv
RT: 8.918 min Scan# 1957
Delta R.T. 0.023 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

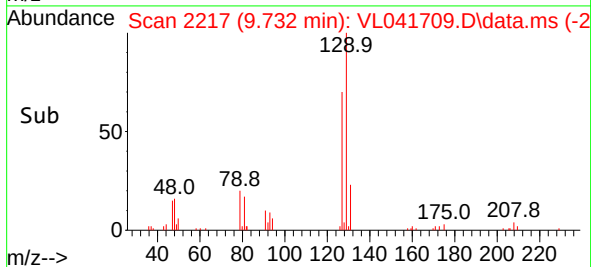
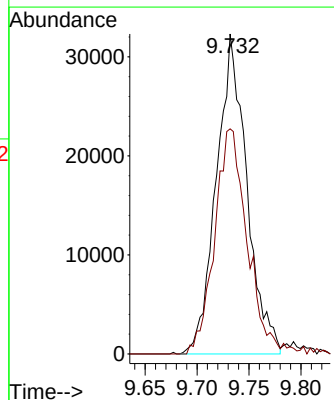
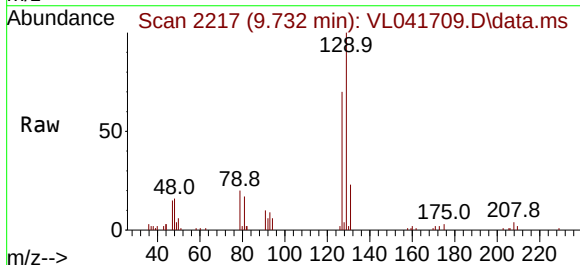
Instrument :
MSVOA_L
ClientSampleId :

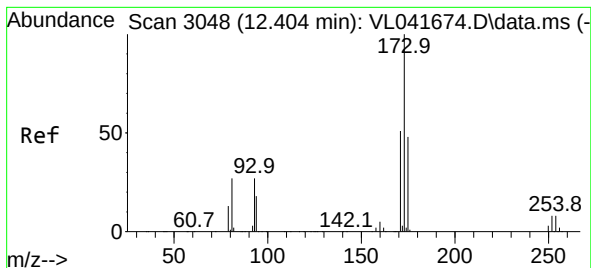
Tgt Ion: 97	Resp: 51558
Ion Ratio	Lower Upper
97 100	
83 84.6	71.0 106.6
85 52.9	45.4 68.2
99 64.3	49.0 73.6



#48
Dibromochloromethane
Concen: 0.458 ppbv
RT: 9.732 min Scan# 2217
Delta R.T. 0.023 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion:129	Resp: 65716		
Ion Ratio	Lower	Upper	
129 100			
127 75.7	39.1	117.2	





#49

Bromoform

Concen: 0.401 ppbv

RT: 12.433 min Scan# 3048

Delta R.T. 0.029 min

Lab File: VL041709.D

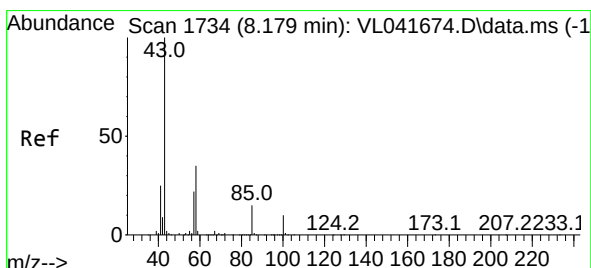
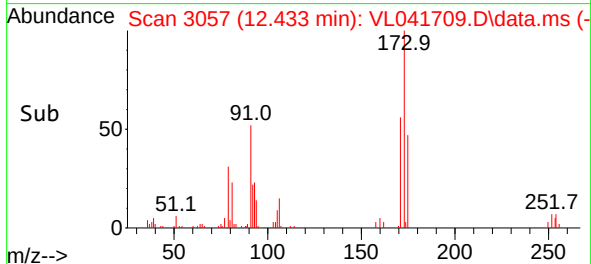
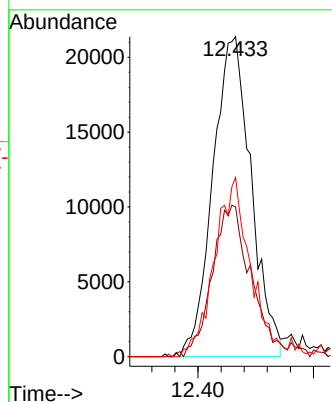
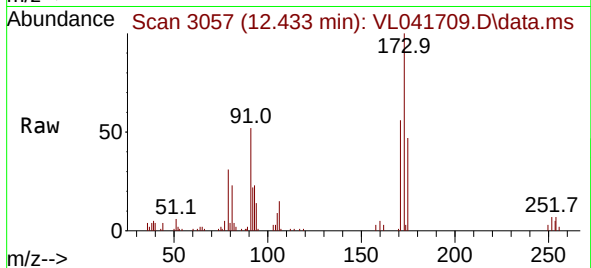
Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:173	Resp:	49195
Ion Ratio	Lower	Upper
173	100	
175	49.9	39.2 58.8
171	53.7	41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 0.227 ppbv

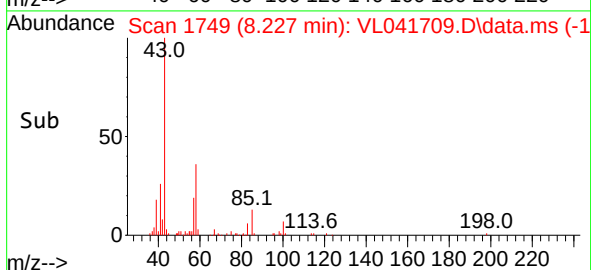
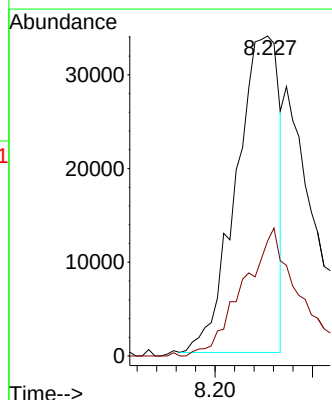
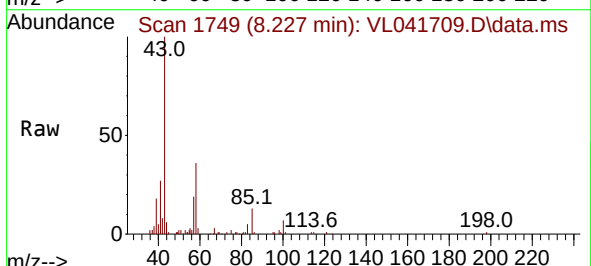
RT: 8.227 min Scan# 1749

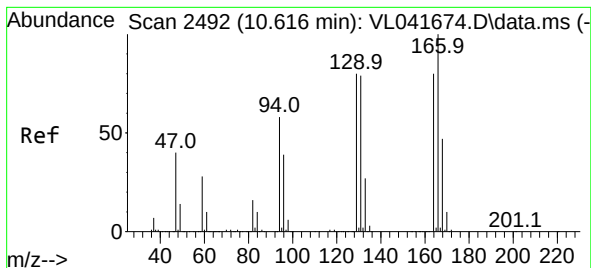
Delta R.T. 0.048 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Tgt Ion: 43	Resp:	51654
Ion Ratio	Lower	Upper
43	100	
58	54.8	27.7 41.5#





#52

Tetrachloroethene

Concen: 0.305 ppbv

RT: 10.638 min Scan# 2499

Delta R.T. 0.023 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:164 Resp: 22972

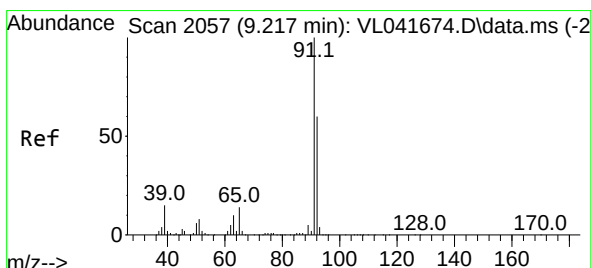
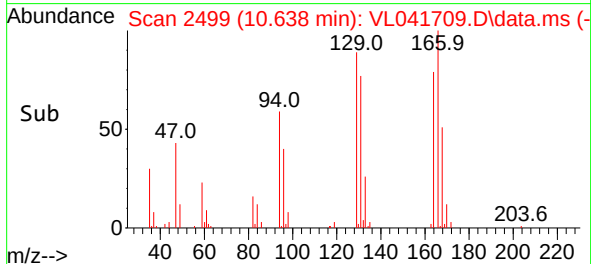
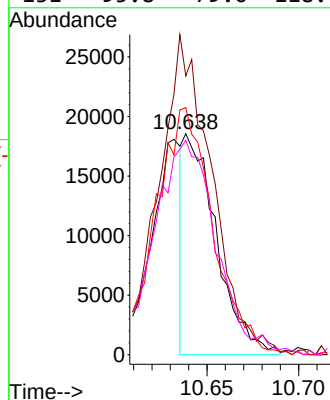
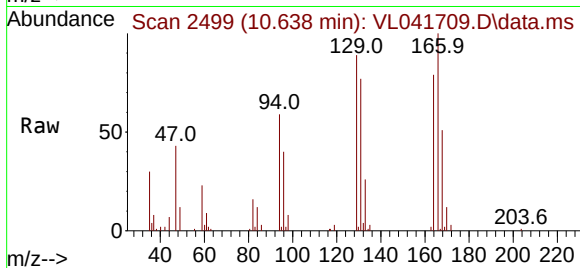
Ion Ratio Lower Upper

164 100

166 126.6 100.2 150.4

129 111.7 79.7 119.5

131 95.8 79.0 118.4



#53

Toluene

Concen: 0.430 ppbv

RT: 9.246 min Scan# 2066

Delta R.T. 0.029 min

Lab File: VL041709.D

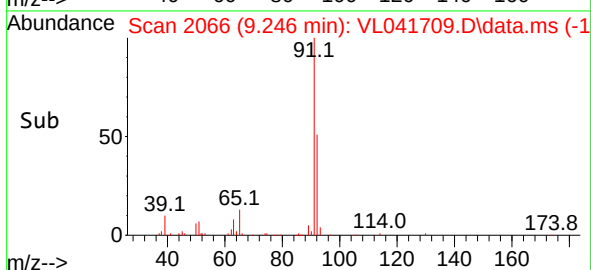
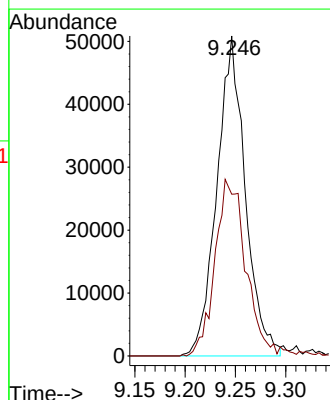
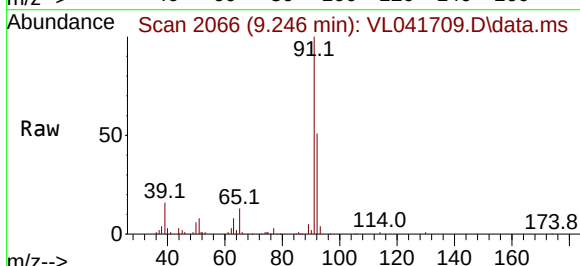
Acq: 20 Nov 2024 21:16

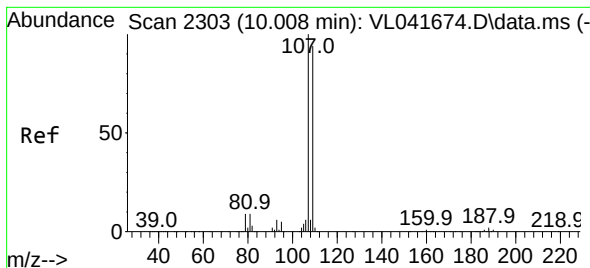
Tgt Ion: 91 Resp: 99846

Ion Ratio Lower Upper

91 100

92 61.2 49.0 73.4





#54

1,2-Dibromoethane

Concen: 0.493 ppbv

RT: 10.031 min Scan# 21

Delta R.T. 0.023 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

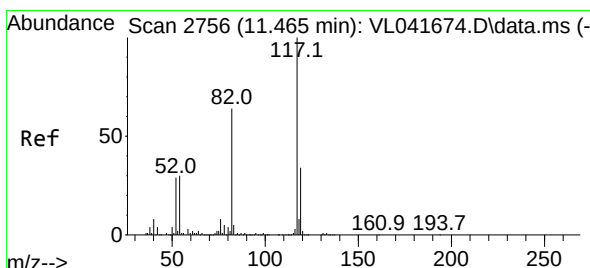
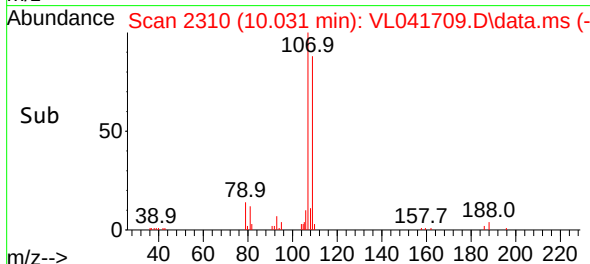
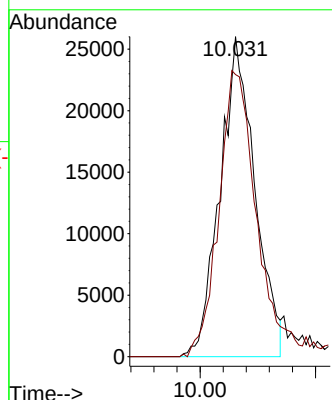
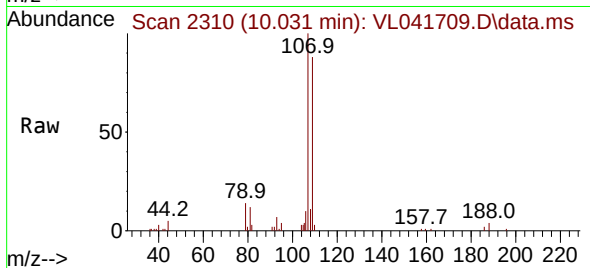
ClientSampleId :

Tgt Ion:107 Resp: 54446

Ion Ratio Lower Upper

107 100

109 88.2 74.9 112.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.487 min Scan# 2763

Delta R.T. 0.023 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

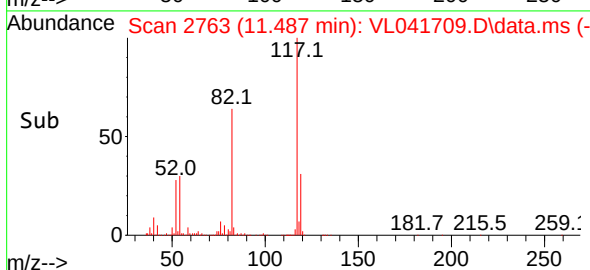
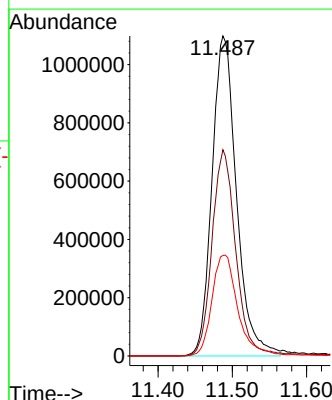
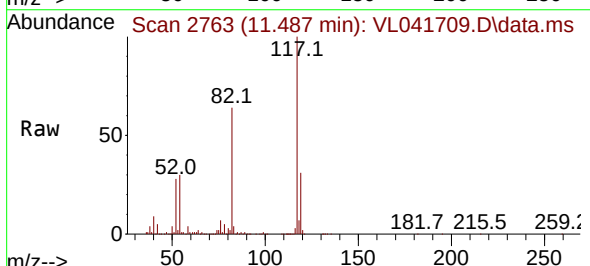
Tgt Ion:117 Resp: 2516412

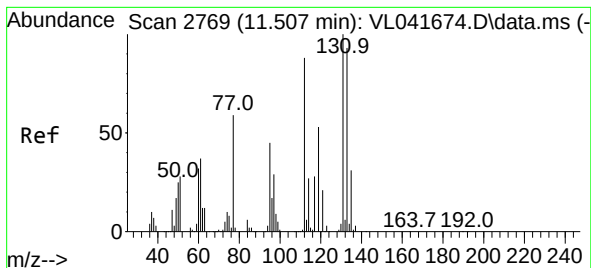
Ion Ratio Lower Upper

117 100

82 63.6 49.8 74.8

119 33.6 24.2 36.4

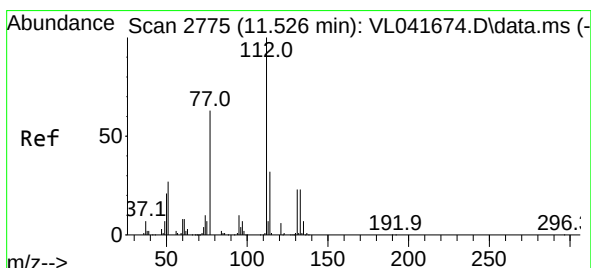
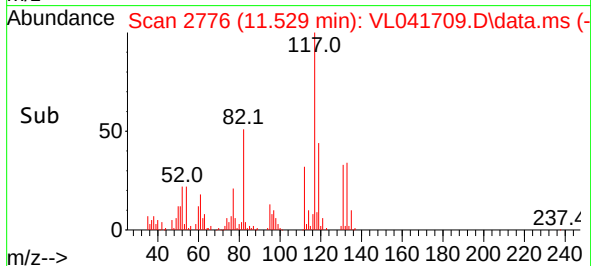
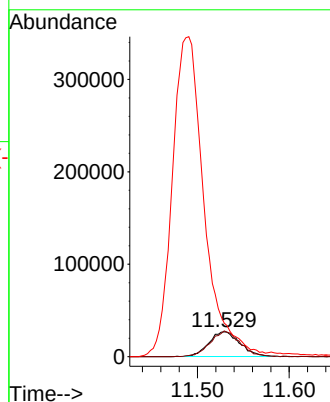
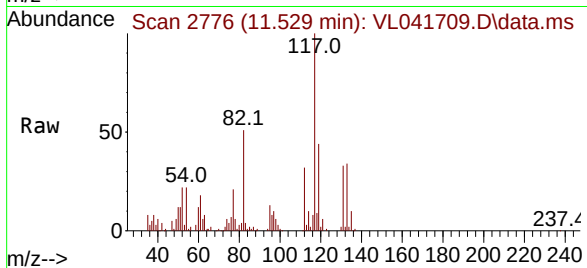




#56
1,1,1,2-Tetrachloroethane
Concen: 0.603 ppbv
RT: 11.529 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

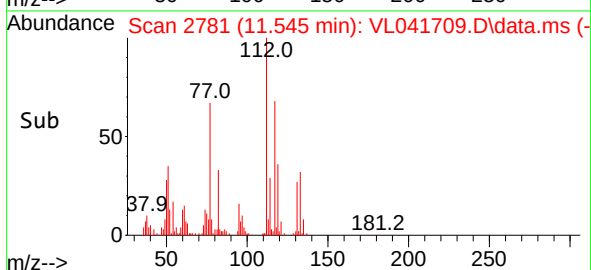
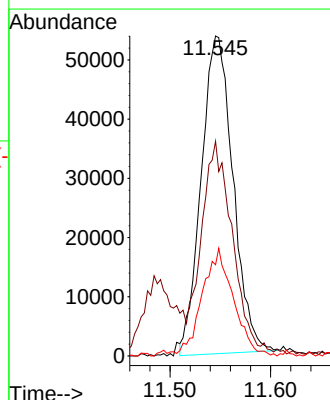
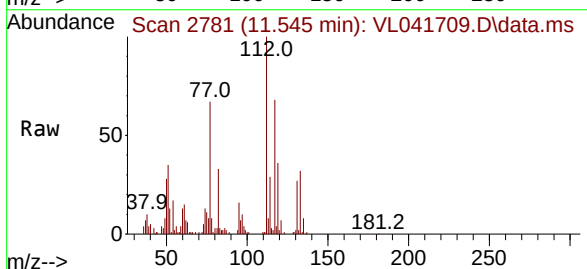
Instrument :
MSVOA_L
ClientSampleId :

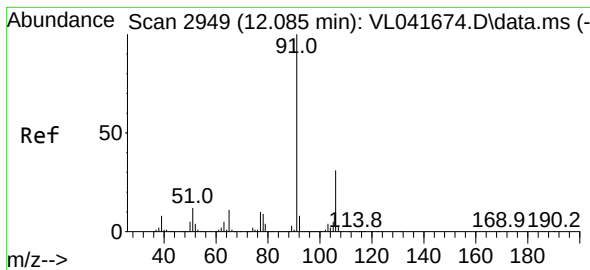
Tgt Ion:131 Resp: 62600
Ion Ratio Lower Upper
131 100
133 101.4 76.5 114.7
119 1352.6 49.8 74.8#



#57
Chlorobenzene
Concen: 0.633 ppbv
RT: 11.545 min Scan# 2781
Delta R.T. 0.019 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion:112 Resp: 117791
Ion Ratio Lower Upper
112 100
77 66.8 51.4 77.2
114 28.3 28.4 34.8#

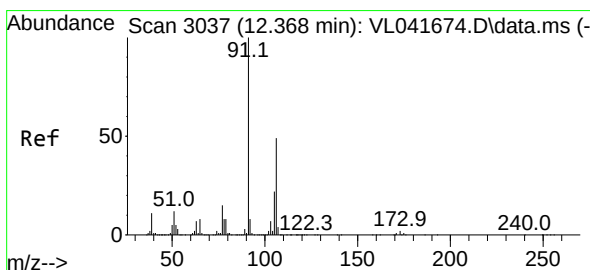
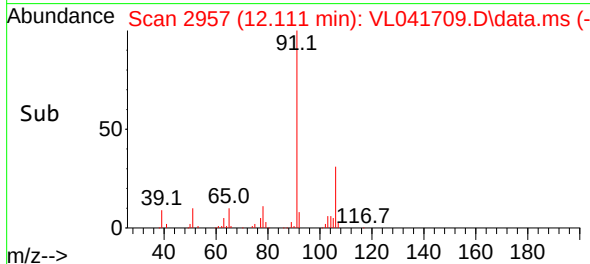
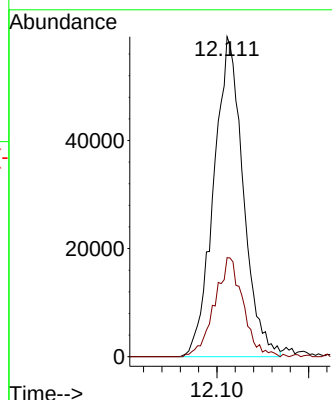
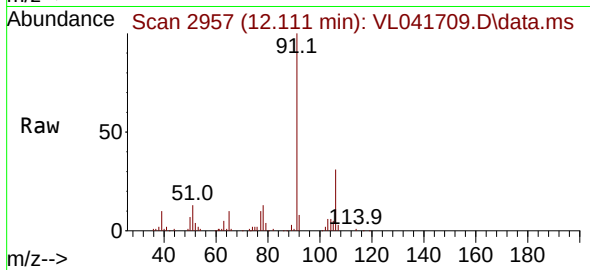




#58
Ethyl Benzene
Concen: 0.478 ppbv
RT: 12.111 min Scan# 2949
Delta R.T. 0.026 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

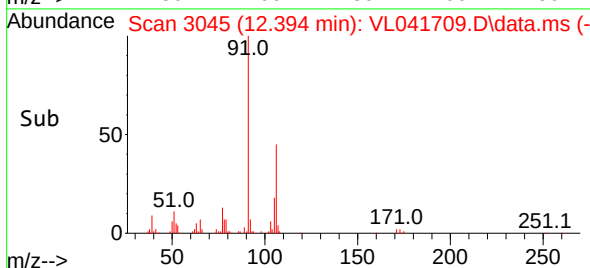
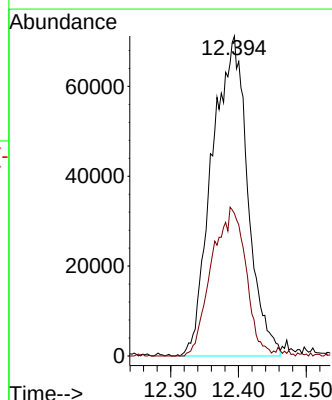
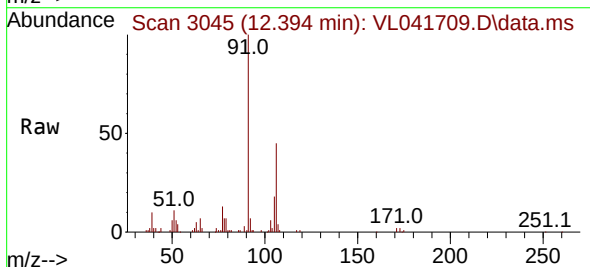
Instrument :
MSVOA_L
ClientSampleId :

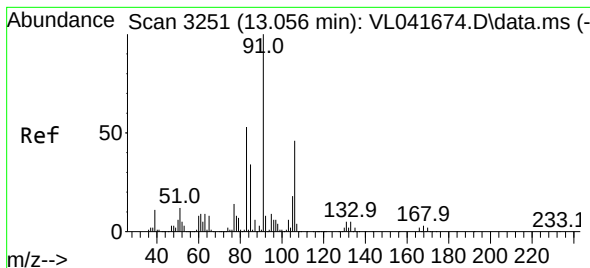
Tgt Ion: 91 Resp: 131926
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#59
m/p-Xylene
Concen: 1.051 ppbv
RT: 12.394 min Scan# 3045
Delta R.T. 0.026 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion: 91 Resp: 259546
Ion Ratio Lower Upper
91 100
106 45.4 36.9 55.3





#60

o-Xylene

Concen: 0.473 ppbv

RT: 13.082 min Scan# 31

Delta R.T. 0.026 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

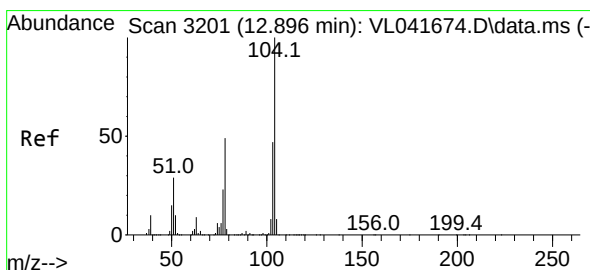
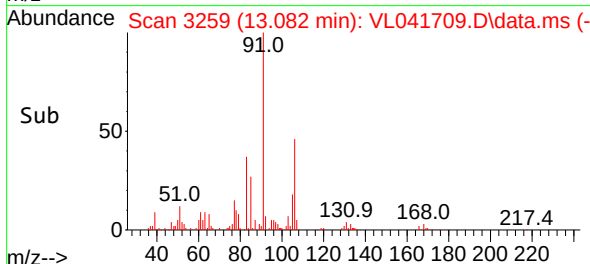
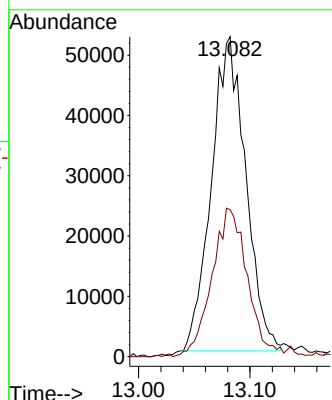
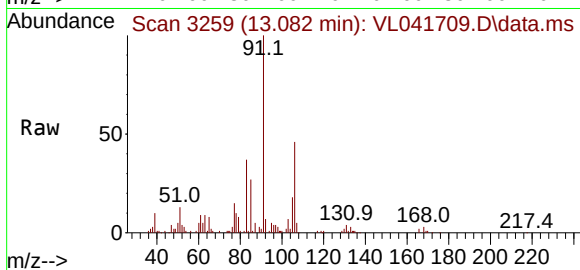
ClientSampleId :

Tgt Ion: 91 Resp: 111475

Ion Ratio Lower Upper

91 100

106 50.2 23.2 69.6



#61

Styrene

Concen: 0.180 ppbv

RT: 12.921 min Scan# 3209

Delta R.T. 0.026 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

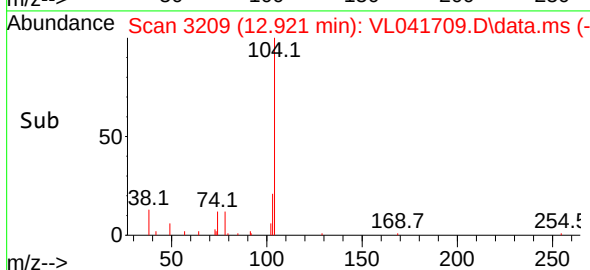
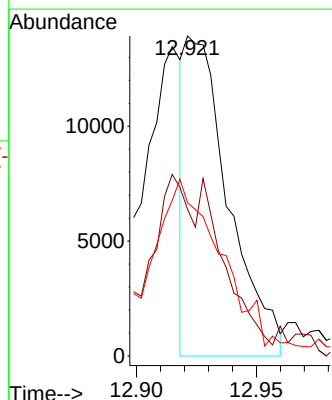
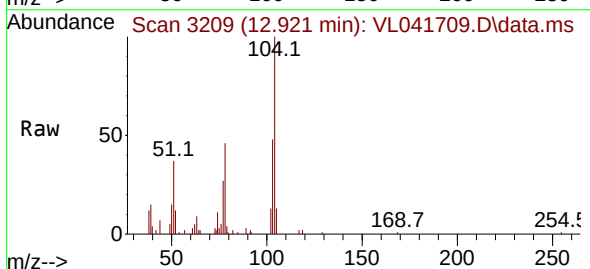
Tgt Ion:104 Resp: 17530

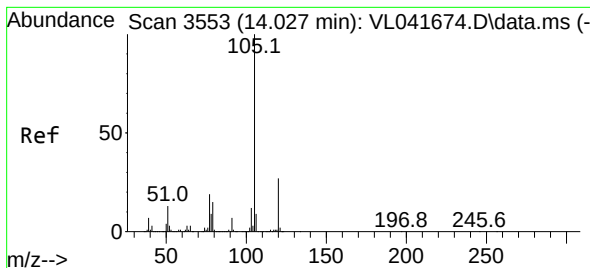
Ion Ratio Lower Upper

104 100

78 0.0 39.8 59.8#

103 99.1 37.4 56.0#





#62

Isopropylbenzene

Concen: 0.555 ppbv

RT: 14.053 min Scan# 31

Delta R.T. 0.026 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

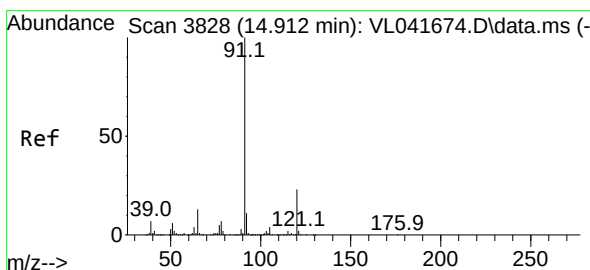
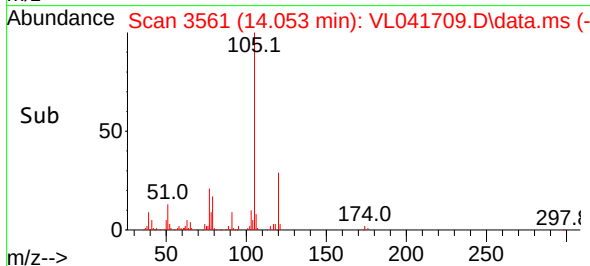
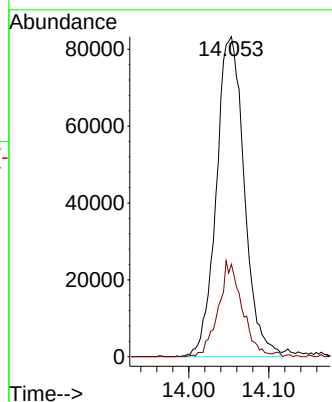
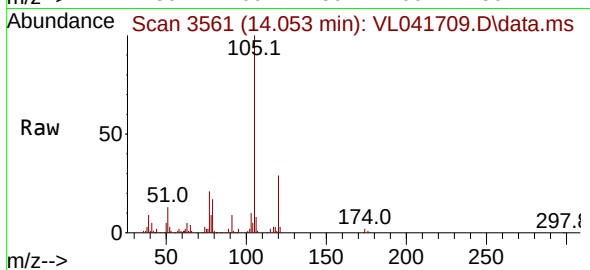
ClientSampleId :

Tgt Ion:105 Resp: 202084

Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7



#64

n-propylbenzene

Concen: 0.236 ppbv

RT: 14.944 min Scan# 3838

Delta R.T. 0.032 min

Lab File: VL041709.D

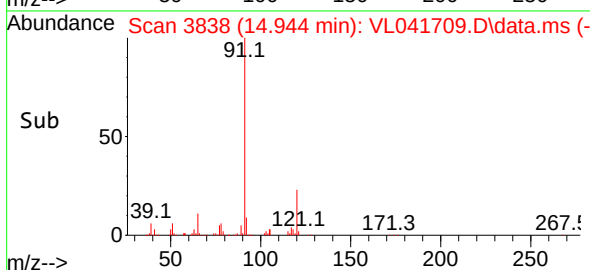
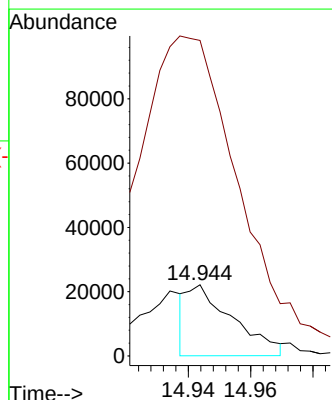
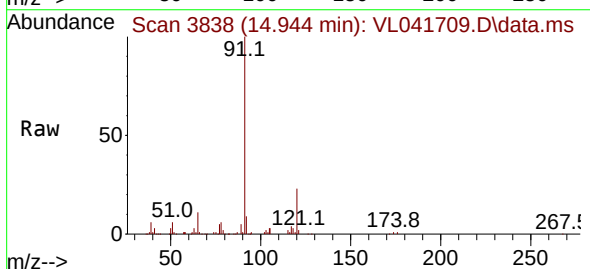
Acq: 20 Nov 2024 21:16

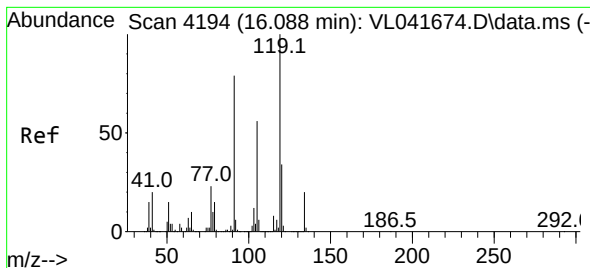
Tgt Ion:120 Resp: 22457

Ion Ratio Lower Upper

120 100

91 0.0 362.4 543.6#





#65

tert-Butylbenzene

Concen: 0.527 ppbv

RT: 16.117 min Scan# 41

Delta R.T. 0.029 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :

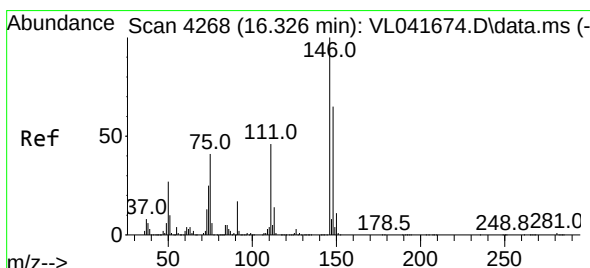
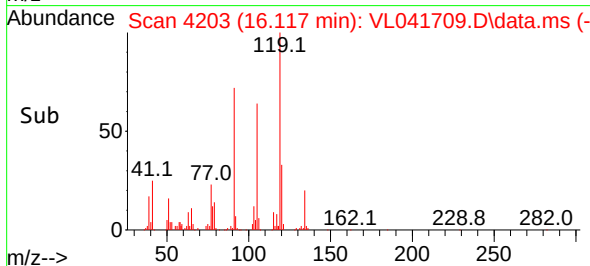
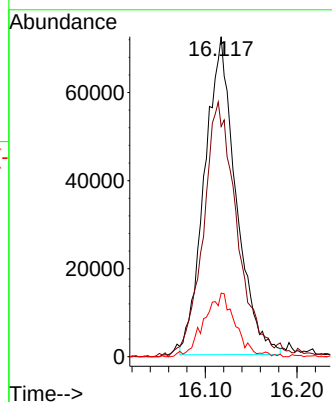
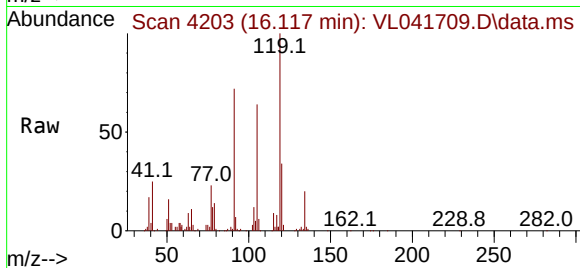
Tgt Ion:119 Resp: 172441

Ion Ratio Lower Upper

119 100

91 88.0 64.3 96.5

134 20.0 15.8 23.8



#66

Benzyl Chloride

Concen: 5.842 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. -0.212 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

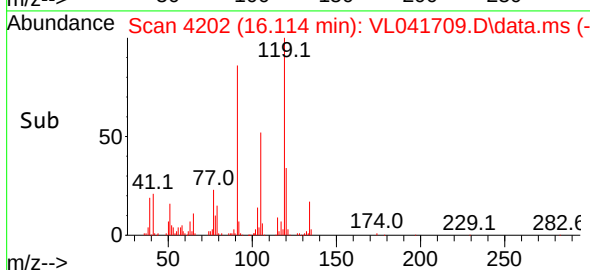
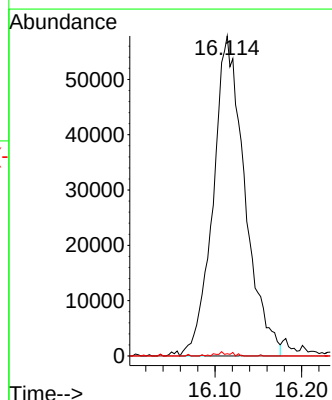
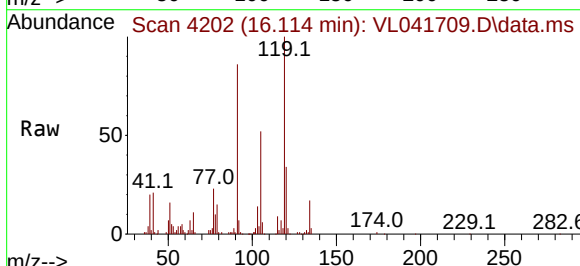
Tgt Ion: 91 Resp: 146966

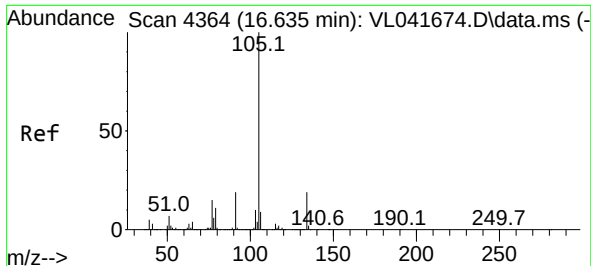
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.6#

128 0.5 4.3 6.5#

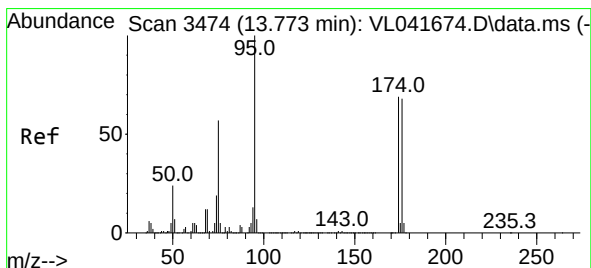
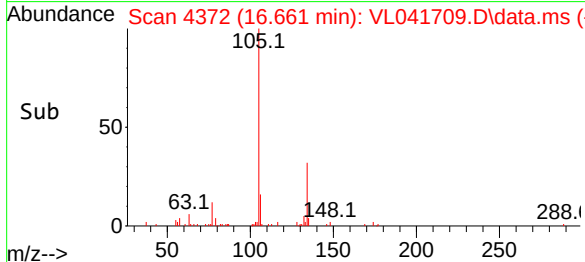
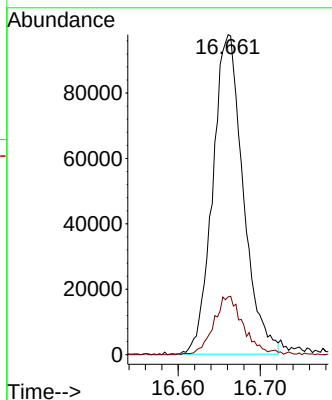
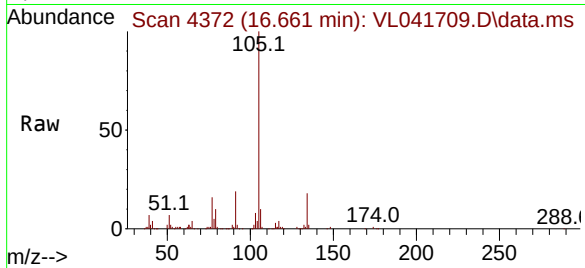




#67
 sec-Butylbenzene
 Concen: 0.547 ppbv
 RT: 16.661 min Scan# 41
 Delta R.T. 0.026 min
 Lab File: VL041709.D
 Acq: 20 Nov 2024 21:16

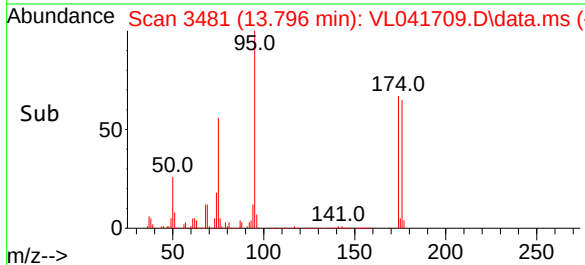
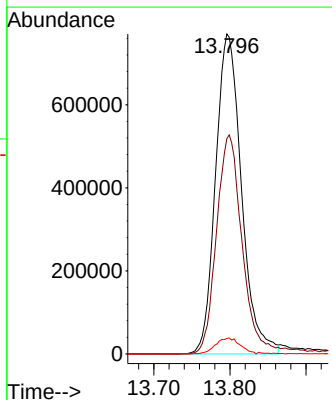
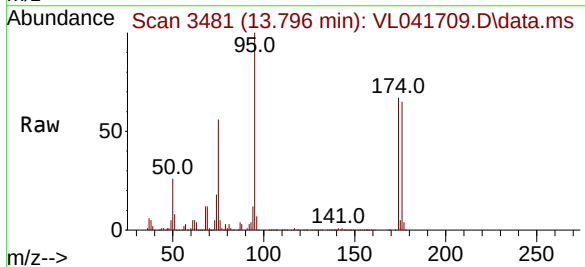
Instrument :
 MSVOA_L
 ClientSampleId :

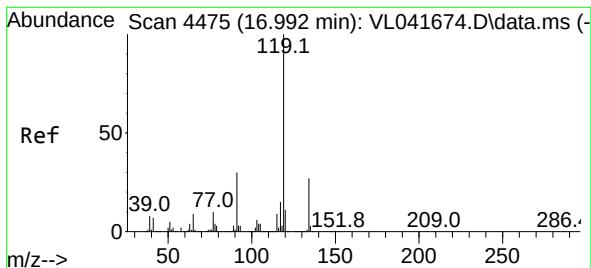
Tgt Ion:105 Resp: 252168
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.825 ppbv
 RT: 13.796 min Scan# 3481
 Delta R.T. 0.023 min
 Lab File: VL041709.D
 Acq: 20 Nov 2024 21:16

Tgt Ion: 95 Resp: 1821655
 Ion Ratio Lower Upper
 95 100
 174 68.9 55.6 83.4
 175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.485 ppbv

RT: 17.021 min Scan# 4475

Delta R.T. 0.029 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :

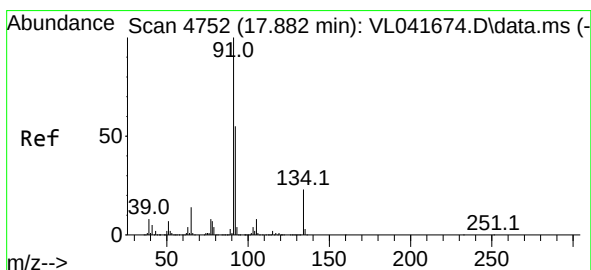
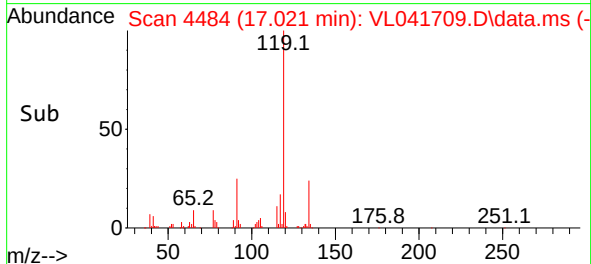
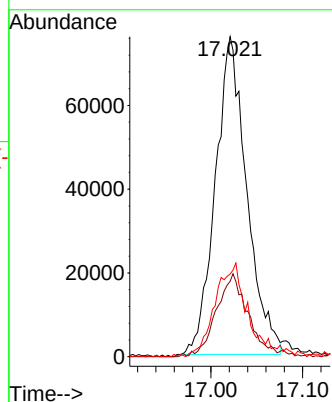
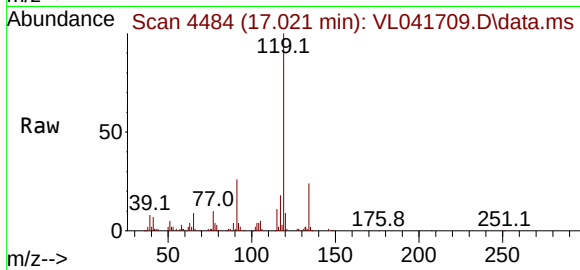
Tgt Ion:119 Resp: 180872

Ion Ratio Lower Upper

119 100

134 26.9 20.8 31.2

91 31.4 23.2 34.8



#70

n-Butylbenzene

Concen: 0.209 ppbv

RT: 17.918 min Scan# 4763

Delta R.T. 0.035 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

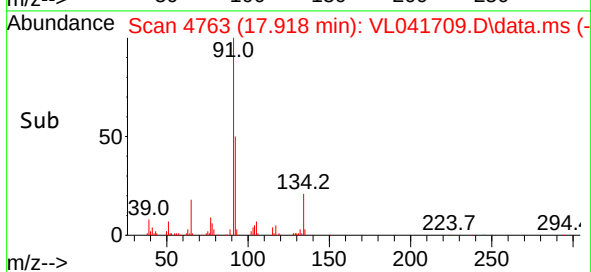
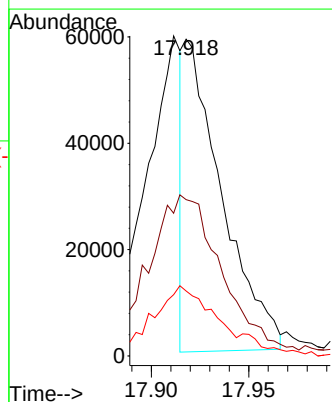
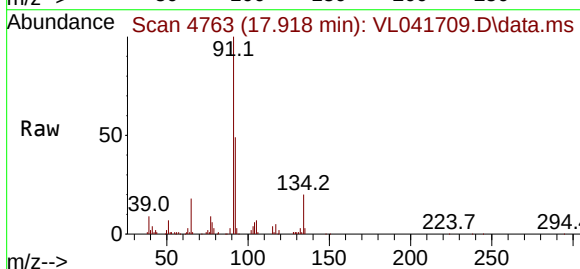
Tgt Ion: 91 Resp: 79565

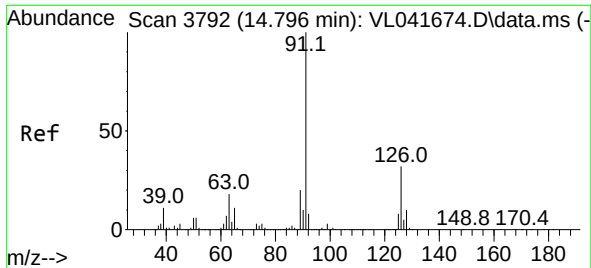
Ion Ratio Lower Upper

91 100

92 105.5 43.3 64.9#

134 41.9 18.4 27.6#

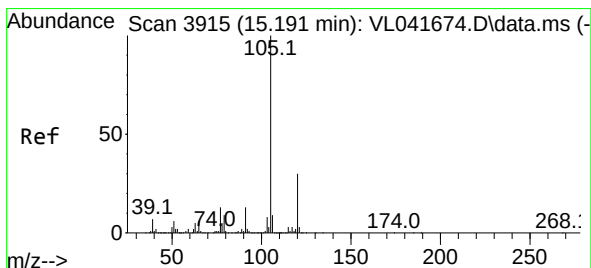
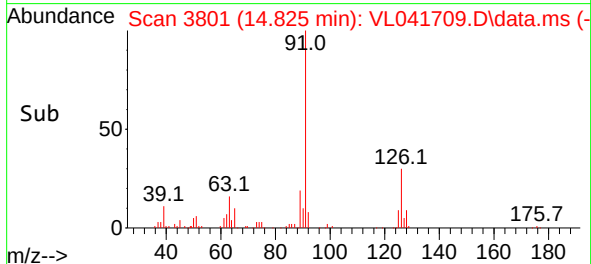
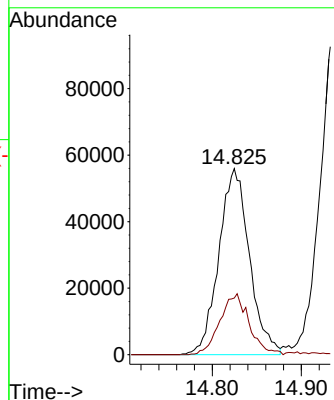
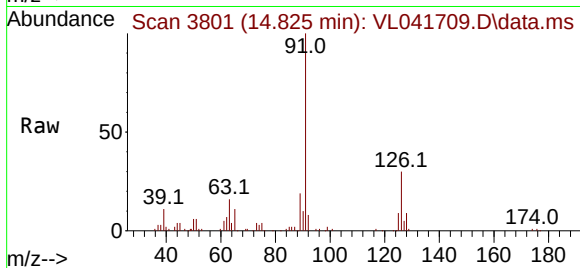




#71
2-Chlorotoluene
Concen: 0.507 ppbv
RT: 14.825 min Scan# 3792
Delta R.T. 0.029 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

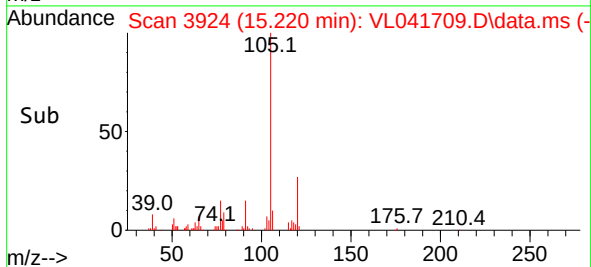
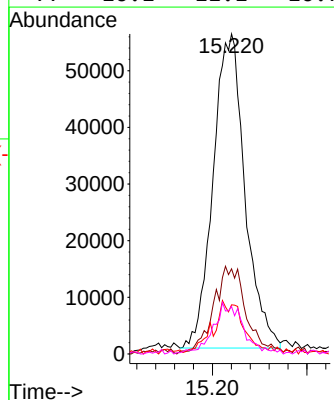
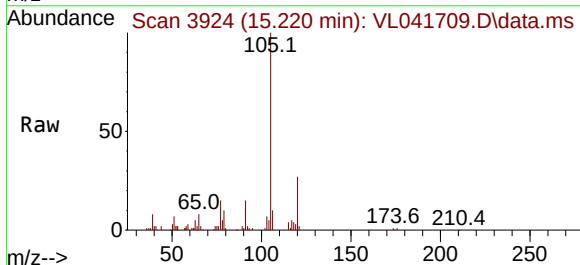
Instrument :
MSVOA_L
ClientSampleId :

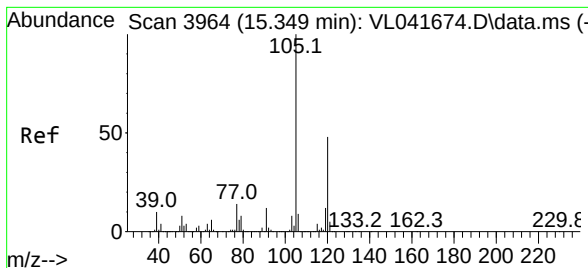
Tgt Ion: 91 Resp: 133426
Ion Ratio Lower Upper
91 100
126 32.3 12.8 51.0



#72
4-Ethyltoluene
Concen: 0.473 ppbv
RT: 15.220 min Scan# 3924
Delta R.T. 0.029 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion: 105 Resp: 129549
Ion Ratio Lower Upper
105 100
120 28.7 25.0 37.4
91 18.2 10.6 15.8#
77 16.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.505 ppbv

RT: 15.375 min Scan# 3964

Delta R.T. 0.026 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

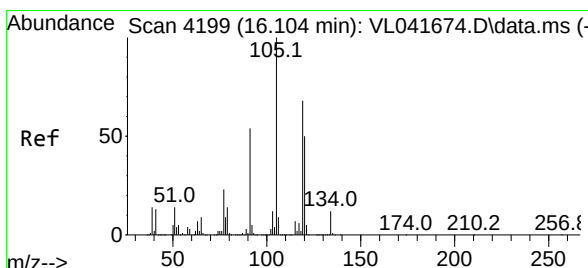
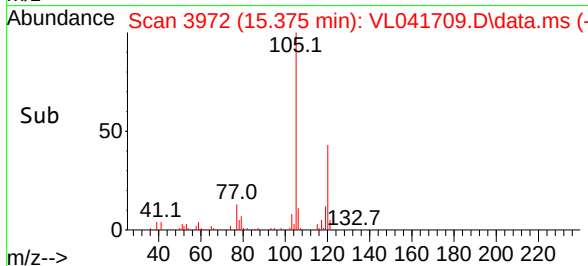
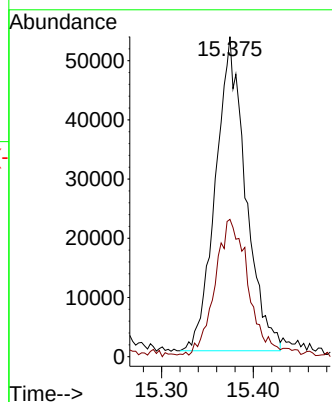
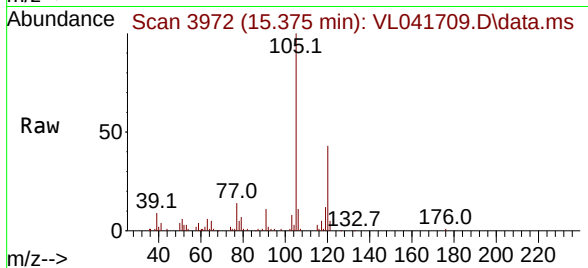
ClientSampleId :

Tgt Ion:105 Resp: 121437

Ion Ratio Lower Upper

105 100

120 42.9 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 0.236 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. 0.019 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Tgt Ion:105 Resp: 66023

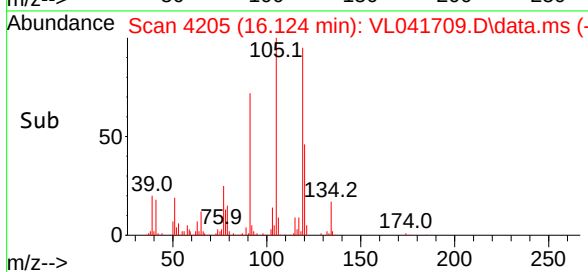
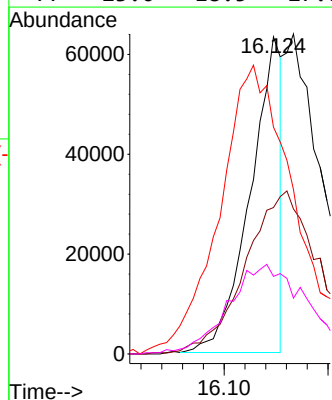
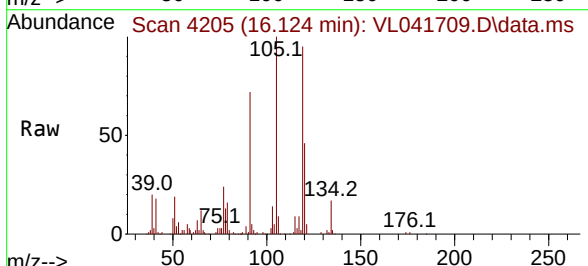
Ion Ratio Lower Upper

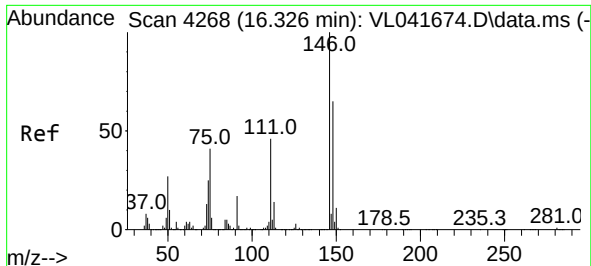
105 100

120 45.4 39.8 59.8

91 63.0 43.2 64.8

77 23.0 18.5 27.7

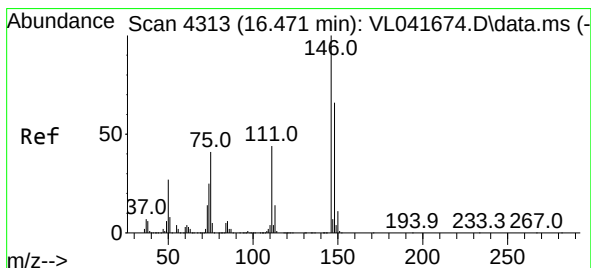
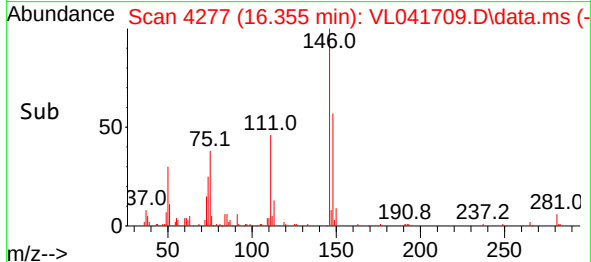
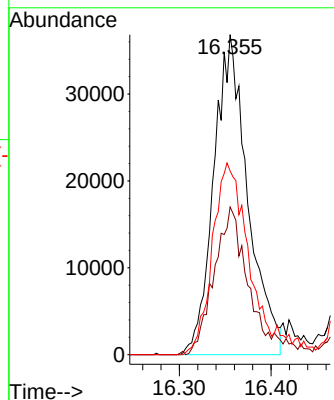
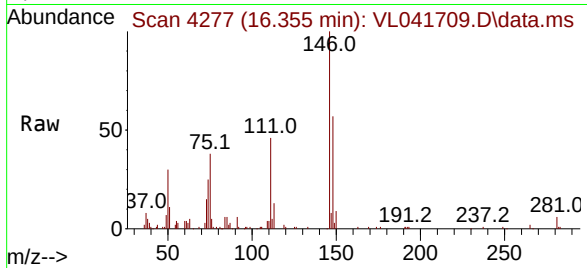




#75
1,3-Dichlorobenzene
Concen: 0.548 ppbv
RT: 16.355 min Scan# 41
Delta R.T. 0.029 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

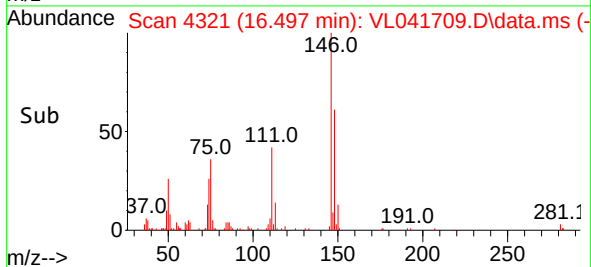
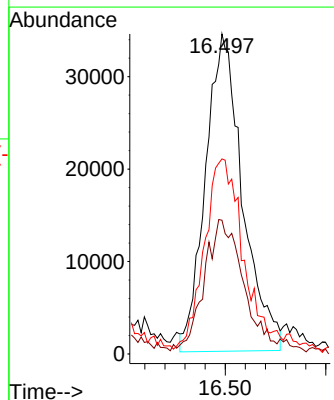
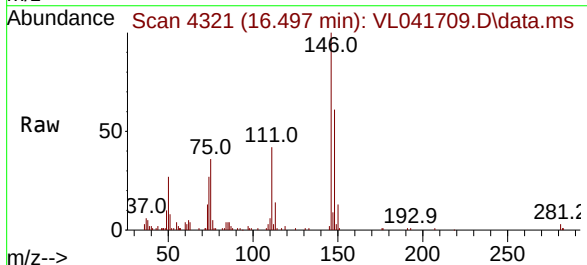
Instrument :
MSVOA_L
ClientSampleId :

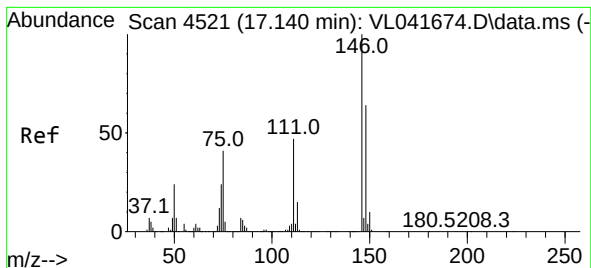
Tgt Ion:146 Resp: 94727
Ion Ratio Lower Upper
146 100
111 48.0 22.8 68.3
148 66.7 32.4 97.0



#76
1,4-Dichlorobenzene
Concen: 0.528 ppbv
RT: 16.497 min Scan# 4321
Delta R.T. 0.026 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

Tgt Ion:146 Resp: 88072
Ion Ratio Lower Upper
146 100
111 45.9 22.1 66.3
148 68.4 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 0.576 ppbv

RT: 17.169 min Scan# 4530

Delta R.T. 0.029 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

Instrument :

MSVOA_L

ClientSampleId :

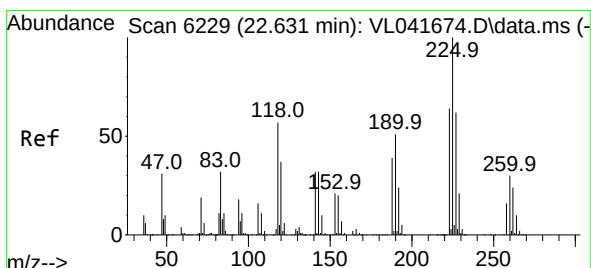
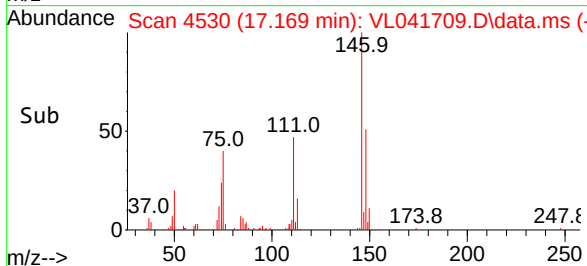
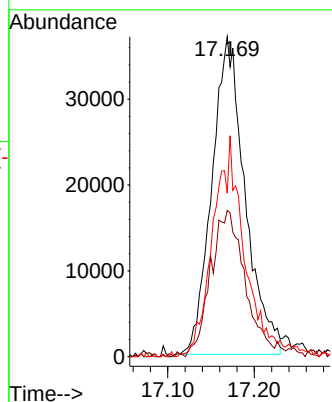
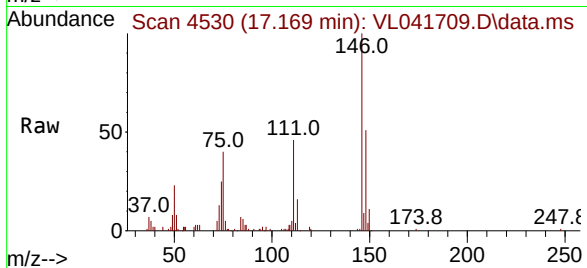
Tgt Ion:146 Resp: 98618

Ion Ratio Lower Upper

146 100

111 49.8 23.4 70.3

148 67.5 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 0.671 ppbv

RT: 22.657 min Scan# 6237

Delta R.T. 0.026 min

Lab File: VL041709.D

Acq: 20 Nov 2024 21:16

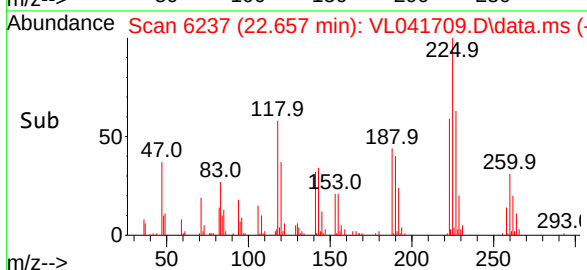
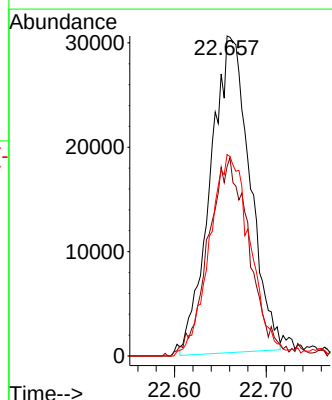
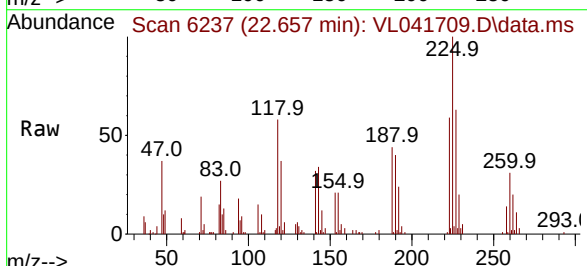
Tgt Ion:225 Resp: 90925

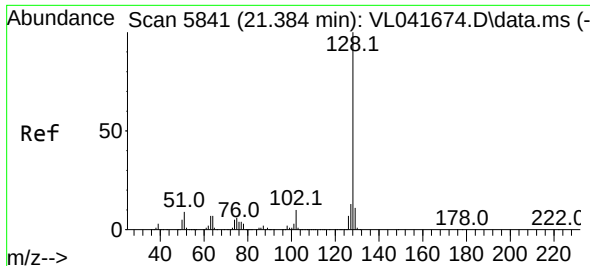
Ion Ratio Lower Upper

225 100

223 64.7 51.1 76.7

227 67.8 51.3 76.9

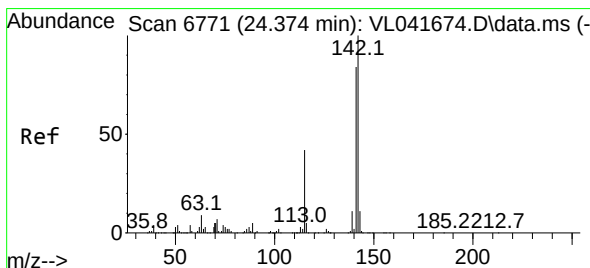
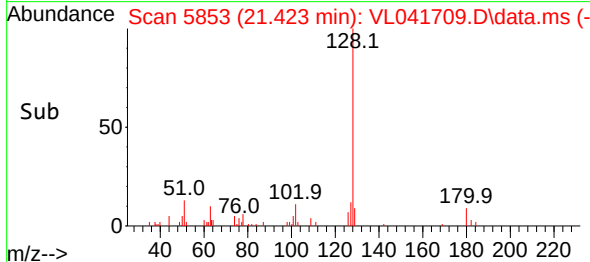
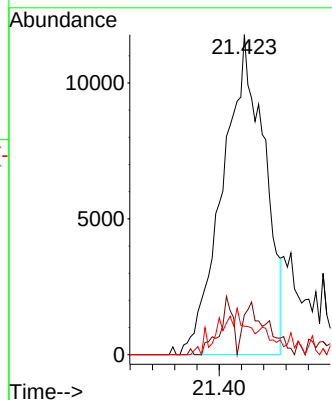
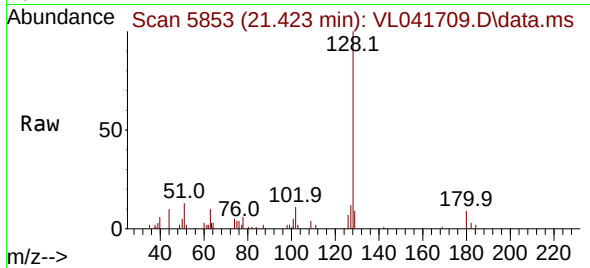




#79
Naphthalene
Concen: 0.177 ppbv
RT: 21.423 min Scan# 5853
Delta R.T. 0.039 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

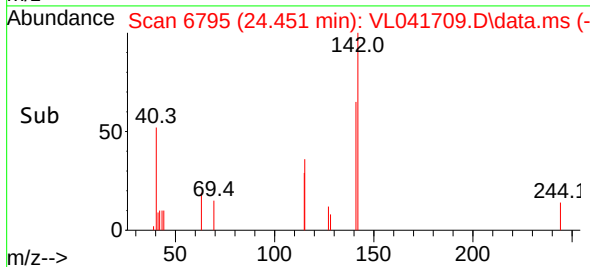
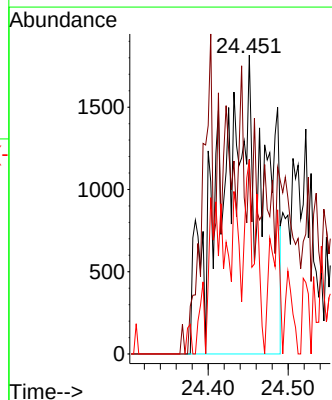
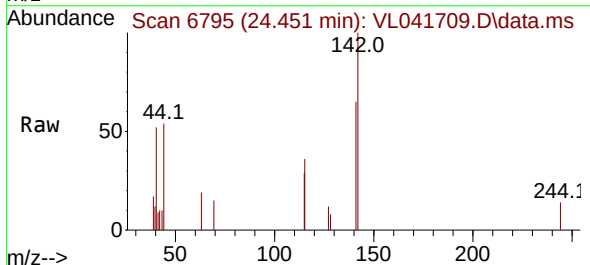
Instrument :
MSVOA_L
ClientSampleId :

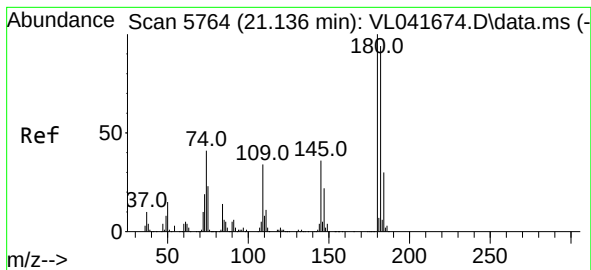
Tgt Ion:128 Resp: 30479
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 8.9 8.7 13.1



#80
Naphthalene,2-methyl-
Concen: 0.187 ppbv
RT: 24.451 min Scan# 6795
Delta R.T. 0.077 min
Lab File: VL041709.D
Acq: 20 Nov 2024 21:16

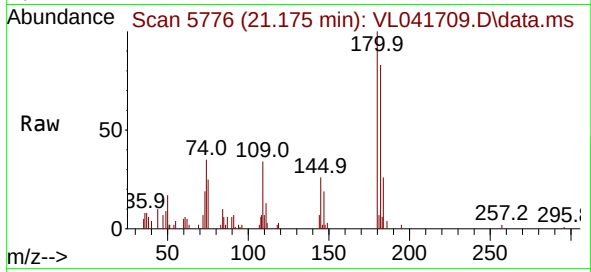
Tgt Ion:142 Resp: 7012
Ion Ratio Lower Upper
142 100
141 26.5 68.1 102.1#
115 15.7 33.1 49.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.112 ppbv
 RT: 21.175 min Scan# 51
 Delta R.T. 0.039 min
 Lab File: VL041709.D
 Acq: 20 Nov 2024 21:16

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 12117
 Ion Ratio Lower Upper
 180 100
 182 303.6 78.2 117.2#
 184 96.1 25.0 37.4#

