

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041676.D
 Acq On : 7 Nov 2024 11:34
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 08 00:10:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1184622	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3332226	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3067671	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2285234	10.073	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	181618	0.848	ppbv	98
3) Chlorodifluoromethane	2.671	51	164131	1.063	ppbv	100
4) Chloromethane	2.812	50	86683	1.060	ppbv	100
5) Vinyl Chloride	2.915	62	78147	1.055	ppbv	100
6) Bromomethane	3.118	94	38811	0.995	ppbv	89
7) Chloroethane	3.195	64	27451	1.023	ppbv	94
8) Dichlorotetrafluoroethane	2.854	85	198669	1.039	ppbv	99
9) Propene	2.690	41	72231	1.074	ppbv	95
10) Heptane	7.574	43	148906	0.988	ppbv	96
11) Trichlorofluoromethane	3.562	101	194775	1.044	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	141527	1.044	ppbv	98
13) Ethanol	3.256	45	3961	0.947	ppbv #	48
14) Bromoethene	3.359	108	55094	1.011	ppbv #	92
15) Acetone	3.475	43	166255	1.140	ppbv	99
16) 1,3-Butadiene	2.980	39	65479	0.896	ppbv #	78
17) tert-Butyl alcohol	3.883	59	153265	1.198	ppbv	99
18) 1,1-Dichloroethene	3.873	96	58180	0.979	ppbv	97
19) Isopropyl Alcohol	3.584	45	82398	1.168	ppbv #	91
20) Methylene Chloride	3.928	84	59394	1.107	ppbv	96
21) Allyl Chloride	3.992	41	95568	1.061	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	29921	0.504	ppbv	87
23) Vinyl Acetate	4.626	43	56204	0.820	ppbv #	93
24) 1,1-Dichloroethane	4.555	63	132214	1.002	ppbv	99
25) Ethyl Acetate	5.205	43	316814	1.050	ppbv	98
26) Hexane	5.208	57	122113	1.053	ppbv	94
27) Carbon Disulfide	4.121	76	125113	0.961	ppbv	97
28) Methyl tert-Butyl Ether	4.587	73	79309	1.062	ppbv	98
29) Chloroform	5.269	83	197891	1.034	ppbv	100
30) Cyclohexane	6.597	84	88127	0.946	ppbv	89
31) cis-1,2-Dichloroethene	5.073	61	115115	1.032	ppbv	94
32) 1,1,1-Trichloroethane	5.996	97	186425	1.063	ppbv	100
34) 2-Butanone	4.790	43	166525	1.004	ppbv	99
35) Carbon Tetrachloride	6.491	117	187475	1.064	ppbv	96
36) Benzene	6.369	78	250318	1.014	ppbv	98
37) 1,2-Dichloroethane	5.803	62	144449	1.037	ppbv	100
38) Trichloroethene	7.288	130	96191	1.010	ppbv	93
39) 1,2-Dichloropropane	7.069	63	99780	1.023	ppbv	91
40) 1,4-Dioxane	7.298	88	8783	0.254	ppbv #	1
41) Tetrahydrofuran	5.571	42	93643	0.989	ppbv	99
42) Bromodichloromethane	7.246	83	188568	0.974	ppbv	100
43) Methyl Methacrylate	7.478	69	78902	0.910	ppbv	90
44) 2,2,4-Trimethylpentane	7.327	57	435343	1.041	ppbv	98
45) t-1,3-Dichloropropene	8.709	75	37335	0.482	ppbv	93

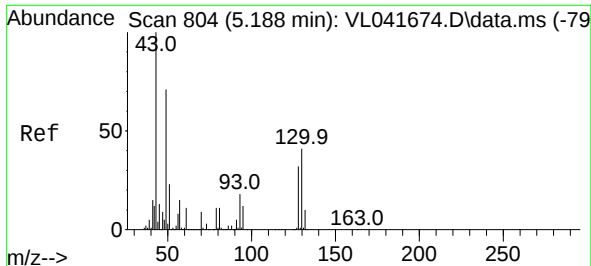
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 Data File : VL041676.D
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Quant Time: Nov 08 00:10:33 2024
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 QLast Update : Fri Nov 08 00:07:44 2024
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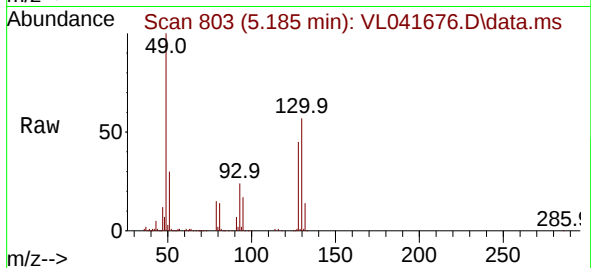
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	101425	0.901	ppbv	95
47) 1,1,2-Trichloroethane	8.896	97	104883	0.997	ppbv	92
48) Dibromochloromethane	9.709	129	152757	0.952	ppbv	99
49) Bromoform	12.400	173	61535	0.449	ppbv #	27
50) 4-Methyl-2-Pentanone	8.188	43	250885	0.985	ppbv	99
51) 2-Hexanone	9.571	43	165158	0.892	ppbv #	100
52) Tetrachloroethene	10.610	164	92977	1.102	ppbv	93
53) Toluene	9.217	91	253501	0.976	ppbv	98
54) 1,2-Dibromoethane	10.008	107	122096	0.994	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.510	131	133283	1.043	ppbv #	1
57) Chlorobenzene	11.523	112	239417	1.047	ppbv	97
58) Ethyl Benzene	12.089	91	334939	0.986	ppbv	91
59) m/p-Xylene	12.368	91	291390	0.959	ppbv #	23
60) o-Xylene	13.053	91	293793	1.012	ppbv	100
61) Styrene	12.892	104	102947	0.859	ppbv	96
62) Isopropylbenzene	14.031	105	468382	1.045	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.047	83	226867	1.074	ppbv	97
64) n-propylbenzene	14.915	120	115677	0.987	ppbv	82
65) tert-Butylbenzene	16.092	119	424019	1.053	ppbv	98
66) Benzyl Chloride	16.326	91	17066	0.588	ppbv #	80
67) sec-Butylbenzene	16.638	105	596449	1.051	ppbv	99
69) p-Isopropyltoluene	16.998	119	480893	1.048	ppbv	99
70) n-Butylbenzene	17.889	91	484367	1.030	ppbv	97
71) 2-Chlorotoluene	14.799	91	331921	1.024	ppbv	99
72) 4-Ethyltoluene	15.191	105	327541	0.972	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	290287	0.982	ppbv	93
74) 1,2,4-Trimethylbenzene	16.111	105	360083	1.047	ppbv #	89
75) 1,3-Dichlorobenzene	16.326	146	218228	1.028	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	203100	0.973	ppbv	95
77) 1,2-Dichlorobenzene	17.143	146	221404	1.050	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	100082	0.600	ppbv #	30
79) Naphthalene	21.384	128	72664	0.344	ppbv	97
80) Naphthalene,2-methyl-	24.374	142	30468	0.777	ppbv #	83
81) 1,2,4-Trichlorobenzene	21.146	180	80566	0.613	ppbv #	42

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

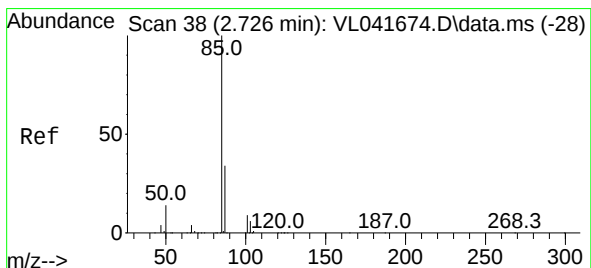
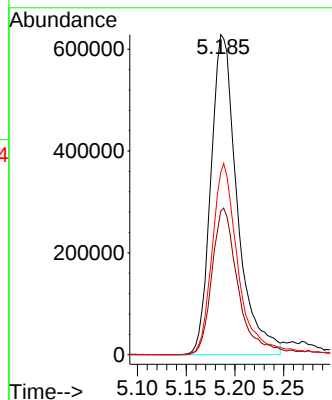
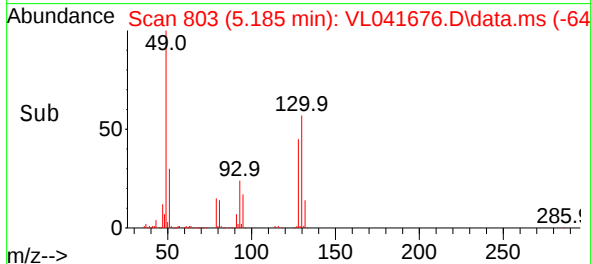


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

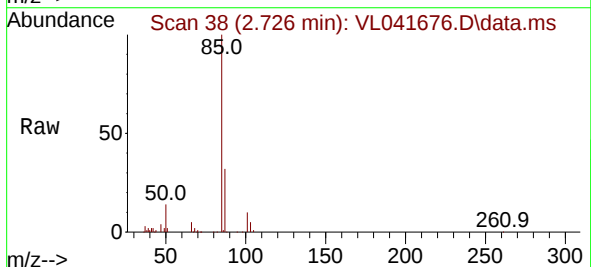
Instrument :
 MSVOA_L
 ClientSampleId :



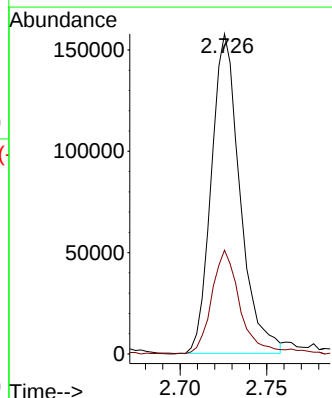
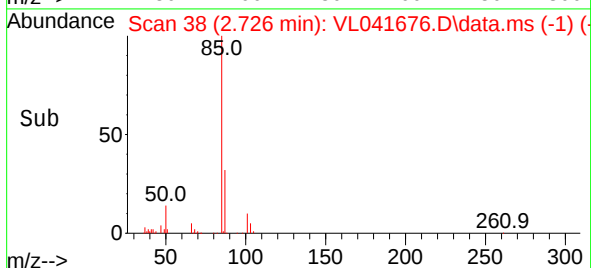
Tgt Ion: 49 Resp: 1184622
 Ion Ratio Lower Upper
 49 100
 128 47.2 23.8 71.2
 130 61.0 30.1 90.5

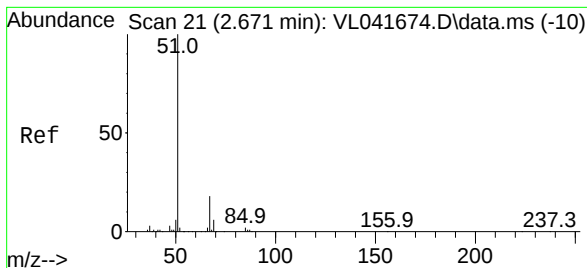


#2
 Dichlorodifluoromethane
 Concen: 0.848 ppbv
 RT: 2.726 min Scan# 38
 Delta R.T. 0.000 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34



Tgt Ion: 85 Resp: 181618
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.8 40.2

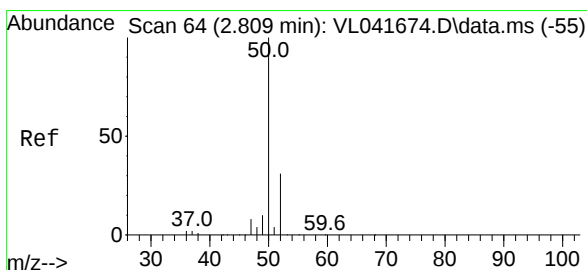
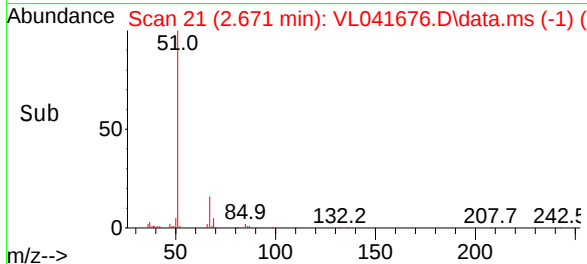
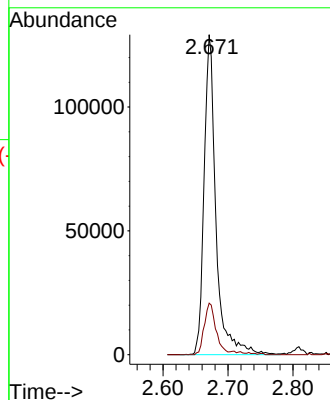
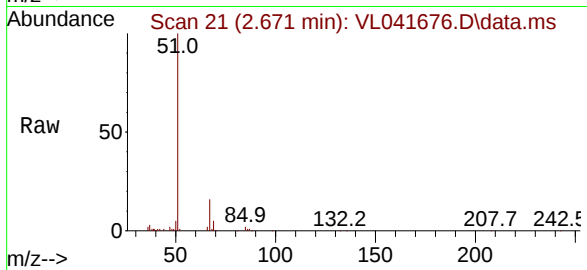




#3
Chlorodifluoromethane
Concen: 1.063 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

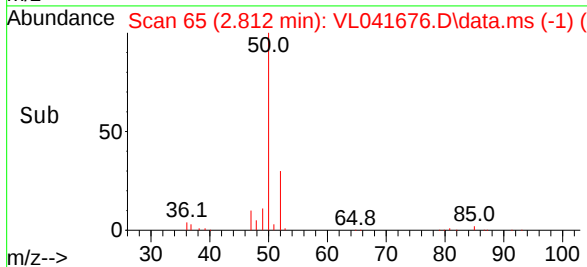
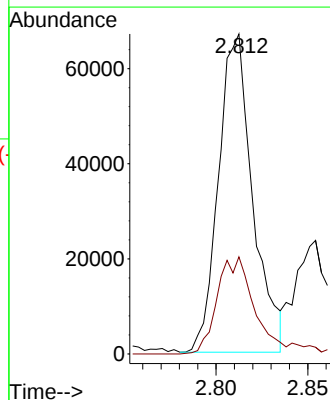
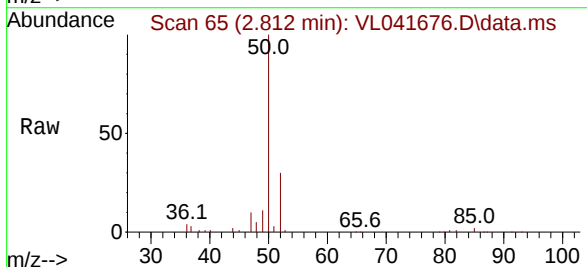
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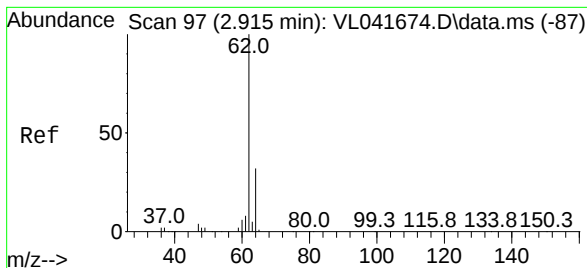
Tgt Ion: 51 Resp: 164131
Ion Ratio Lower Upper
51 100
67 17.3 13.9 20.9



#4
Chloromethane
Concen: 1.060 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 50 Resp: 86683
Ion Ratio Lower Upper
50 100
52 31.2 24.9 37.3

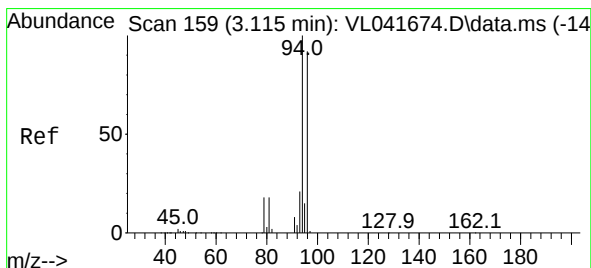
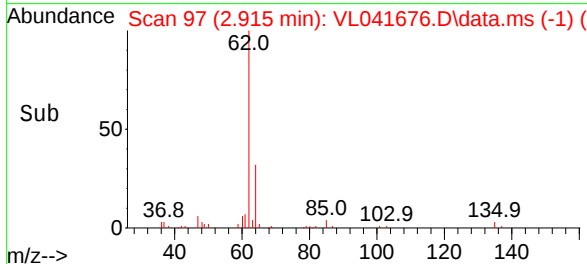
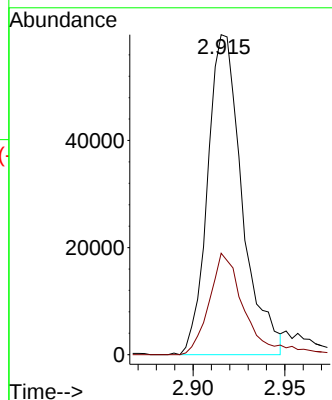
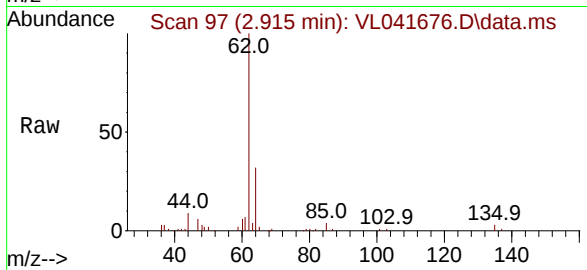




#5
 Vinyl Chloride
 Concen: 1.055 ppbv
 RT: 2.915 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

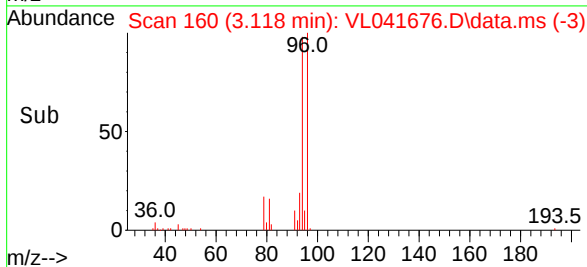
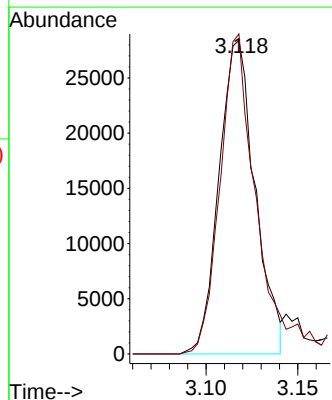
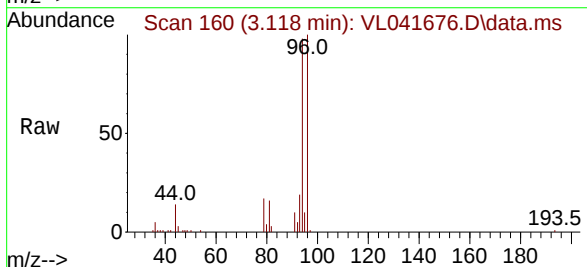
Instrument :
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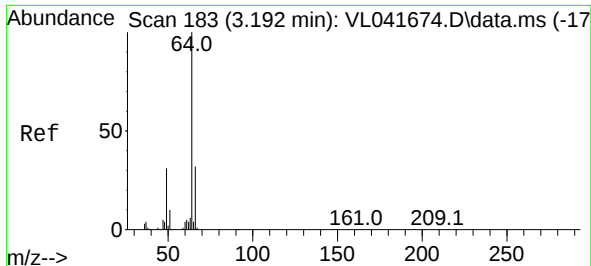
Tgt Ion: 62 Resp: 78147
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.4 38.2



#6
 Bromomethane
 Concen: 0.995 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

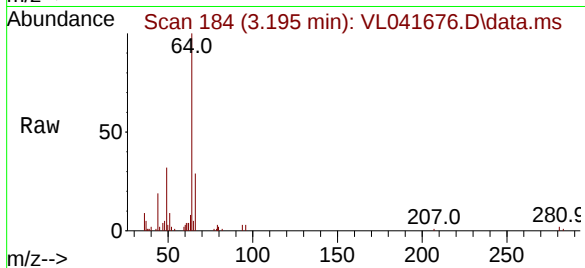
Tgt Ion: 94 Resp: 38811
 Ion Ratio Lower Upper
 94 100
 96 102.0 73.4 110.2



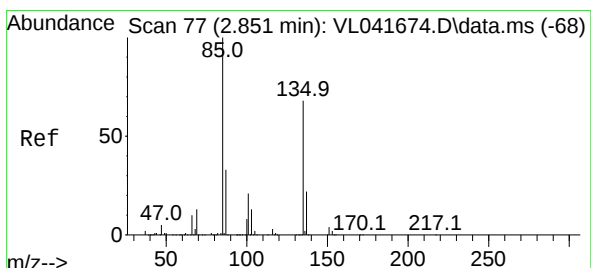
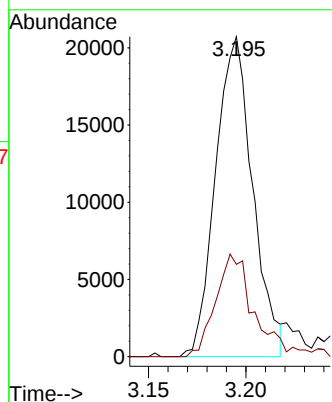
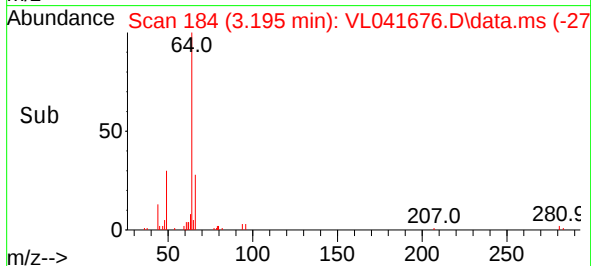


#7
Chloroethane
Concen: 1.023 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :

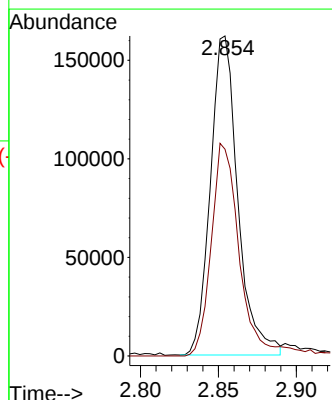
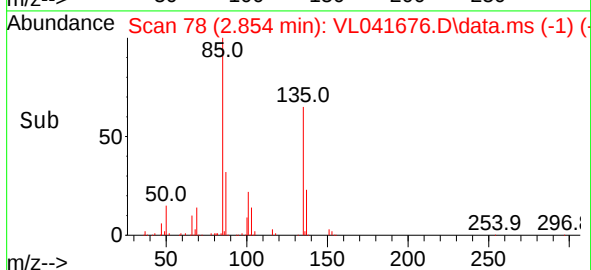
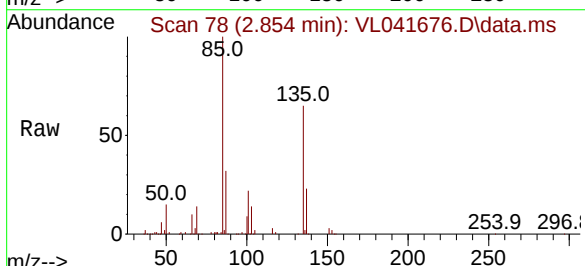


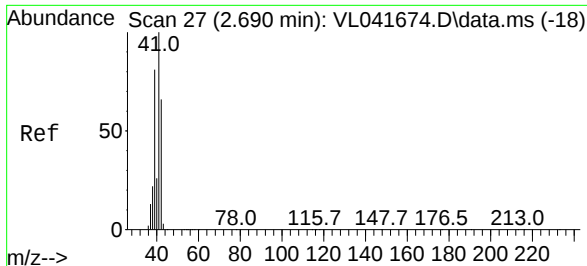
Tgt Ion: 64 Resp: 27451
Ion Ratio Lower Upper
64 100
66 28.8 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 1.039 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 85 Resp: 198669
Ion Ratio Lower Upper
85 100
135 70.3 55.5 83.3

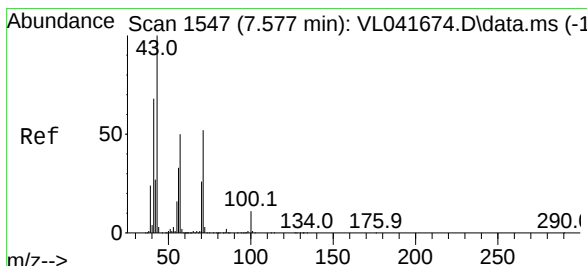
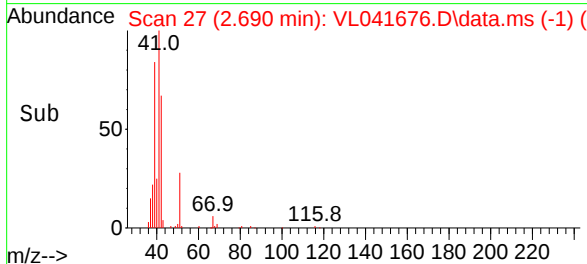
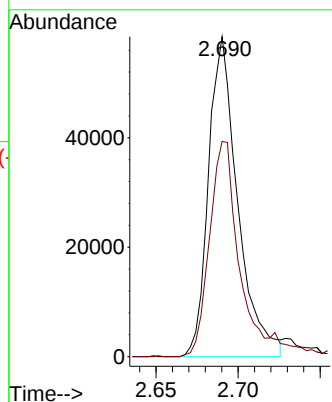
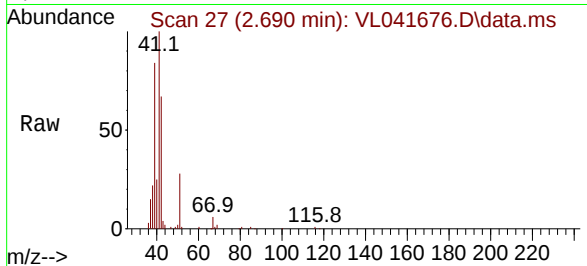




#9
 Propene
 Concen: 1.074 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

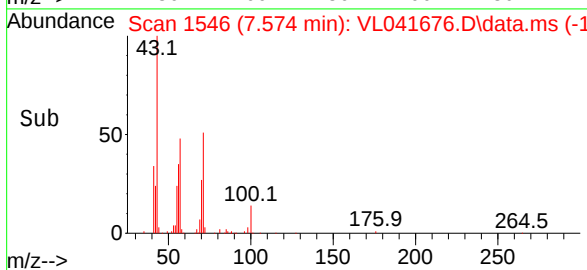
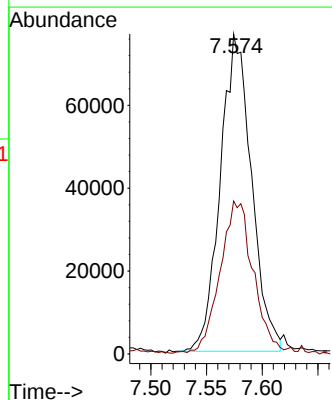
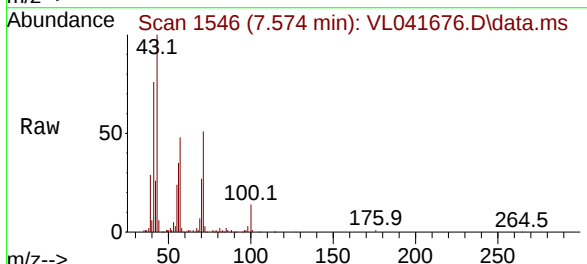
Instrument :
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 ClientSampleId :

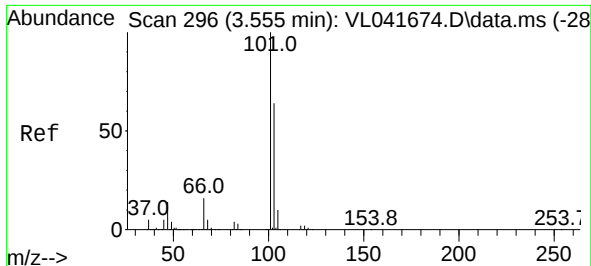
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 Ion Ratio Lower Upper
 41 100
 42 72.6 55.0 82.4



#10
 Heptane
 Concen: 0.988 ppbv
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.003 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

Tgt Ion: 43 Resp: 148906
 Ion Ratio Lower Upper
 43 100
 57 52.6 40.0 60.0

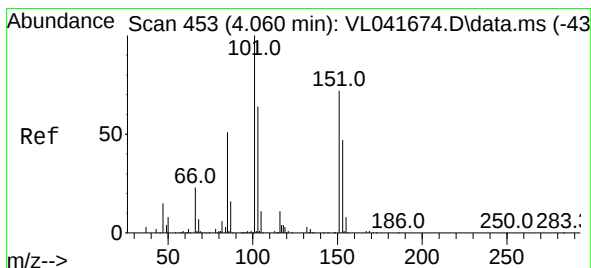
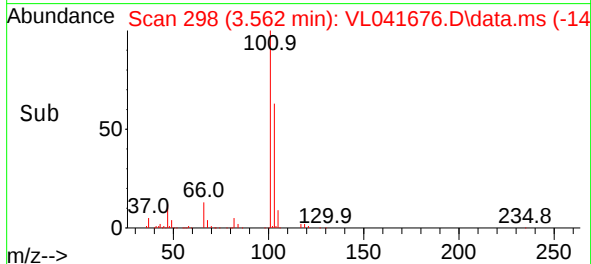
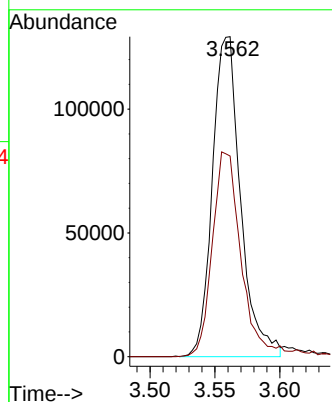
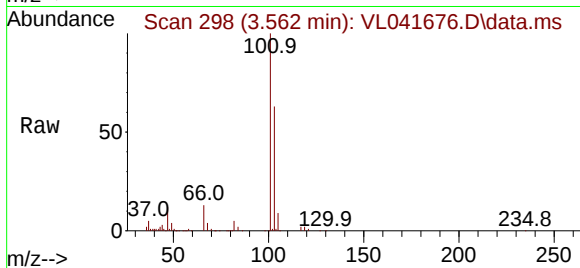




#11
 Trichlorofluoromethane
 Concen: 1.044 ppbv
 RT: 3.562 min Scan# 20
 Delta R.T. 0.007 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

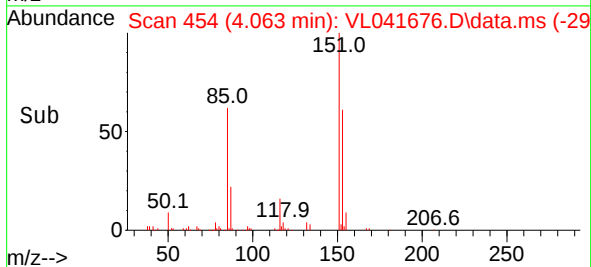
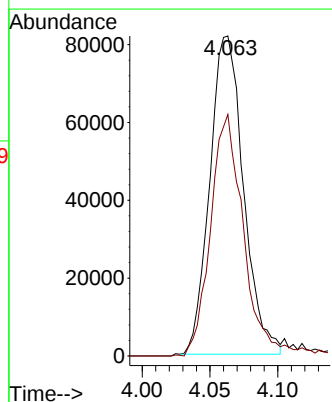
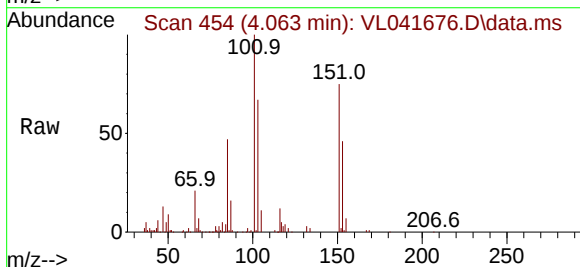
Instrument :
 MSVOA_L
 ClientSampleId :

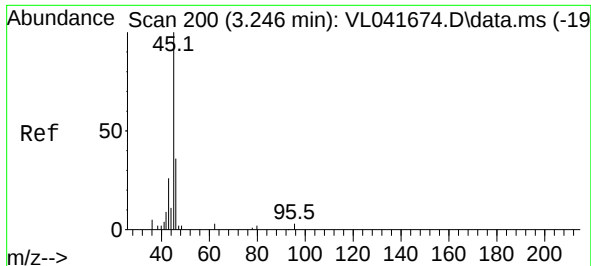
Tgt Ion:101 Resp: 194775
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.044 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. 0.003 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

Tgt Ion:101 Resp: 141527
 Ion Ratio Lower Upper
 101 100
 151 75.7 59.1 88.7





#13

Ethanol

Concen: 0.947 ppbv

RT: 3.256 min Scan# 20

Delta R.T. 0.010 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

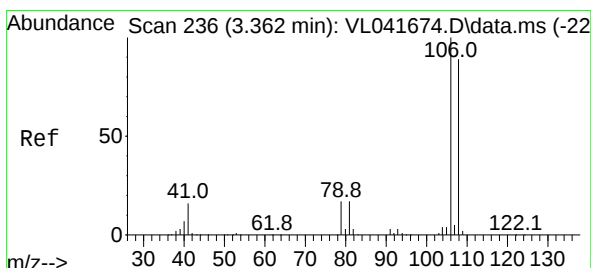
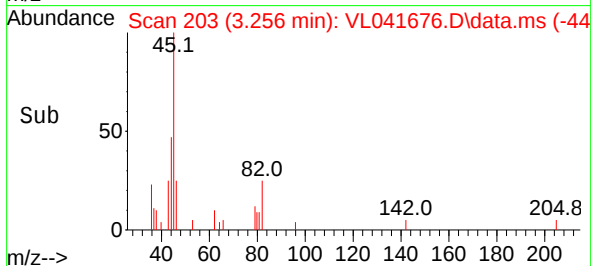
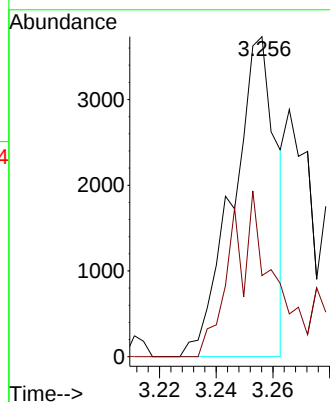
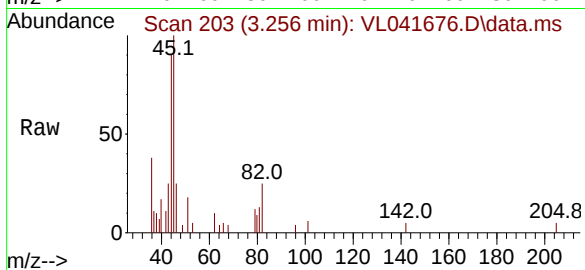
ClientSampleId :

Tgt Ion: 45 Resp: 3961

Ion Ratio Lower Upper

45 100

46 64.4 13.8 55.2#



#14

Bromoethene

Concen: 1.011 ppbv

RT: 3.359 min Scan# 235

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

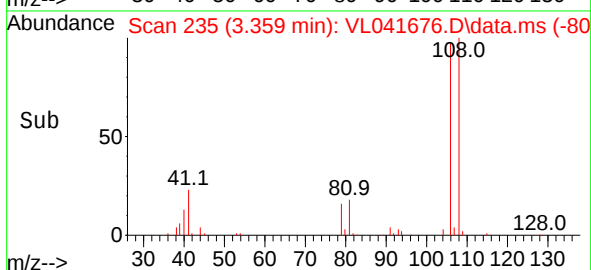
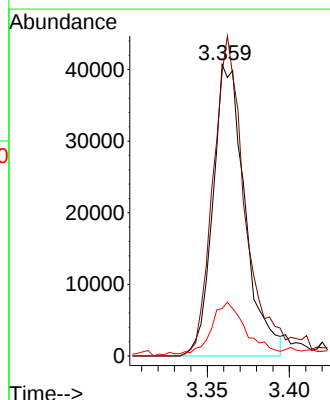
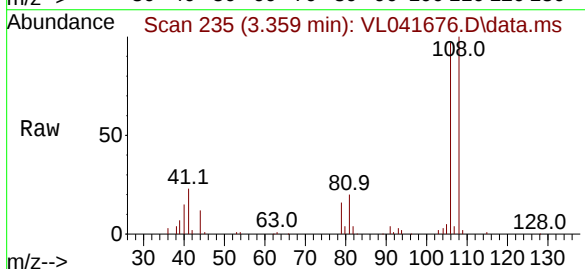
Tgt Ion:108 Resp: 55094

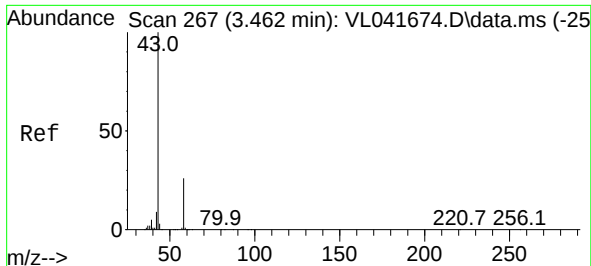
Ion Ratio Lower Upper

108 100

106 117.6 88.6 133.0

79 26.0 15.6 23.4#





#15

Acetone

Concen: 1.140 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

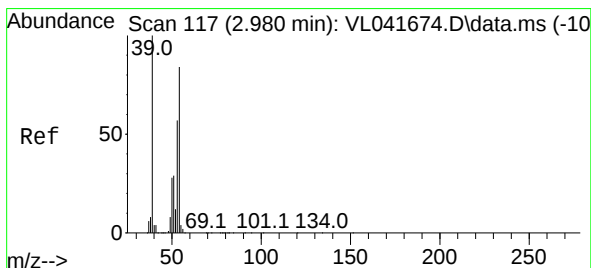
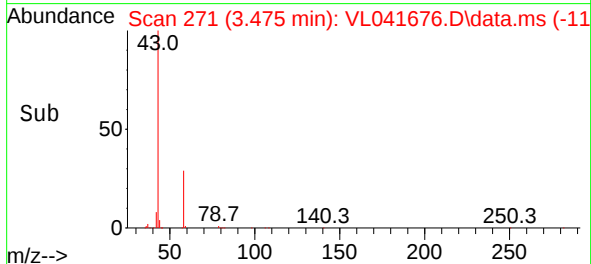
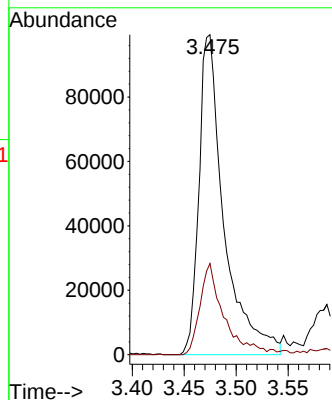
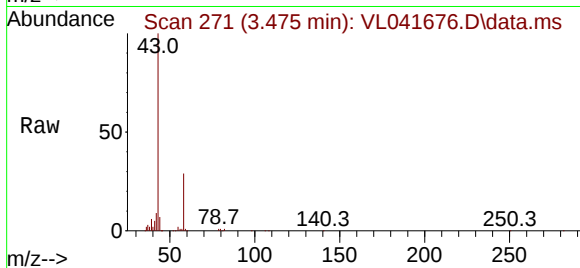
ClientSampleId :

Tgt Ion: 43 Resp: 166255

Ion Ratio Lower Upper

43 100

58 27.3 21.4 32.0



#16

1,3-Butadiene

Concen: 0.896 ppbv

RT: 2.980 min Scan# 117

Delta R.T. 0.000 min

Lab File: VL041676.D

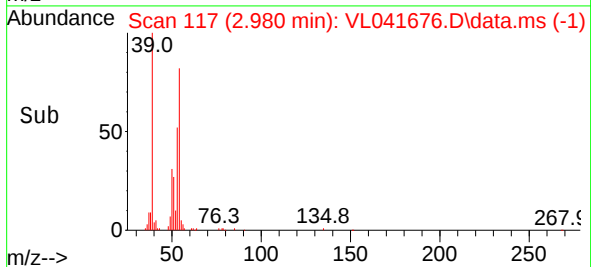
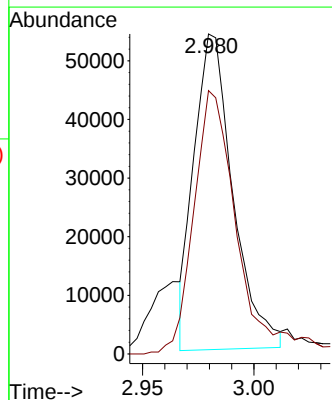
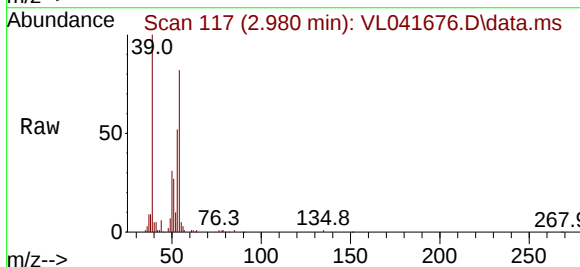
Acq: 7 Nov 2024 11:34

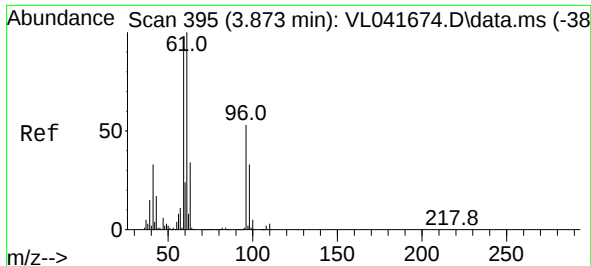
Tgt Ion: 39 Resp: 65479

Ion Ratio Lower Upper

39 100

54 95.5 61.3 91.9#





#17

tert-Butyl alcohol

Concen: 1.198 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.010 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

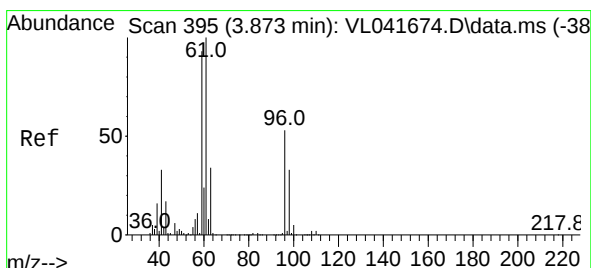
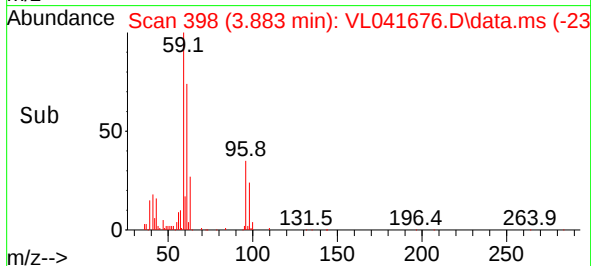
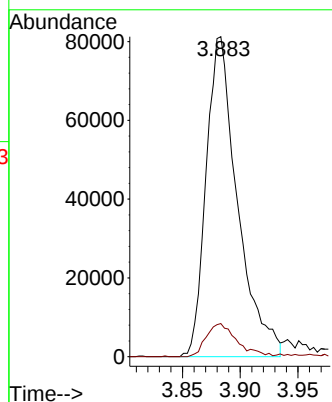
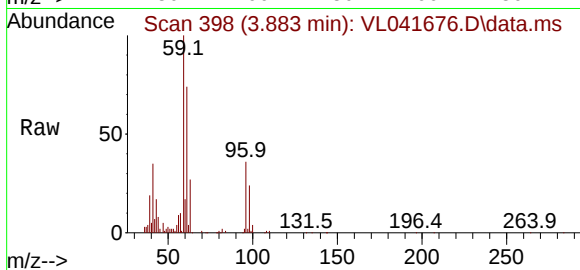
ClientSampleId :

Tgt Ion: 59 Resp: 153265

Ion Ratio Lower Upper

59 100

57 10.2 8.5 12.7



#18

1,1-Dichloroethene

Concen: 0.979 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

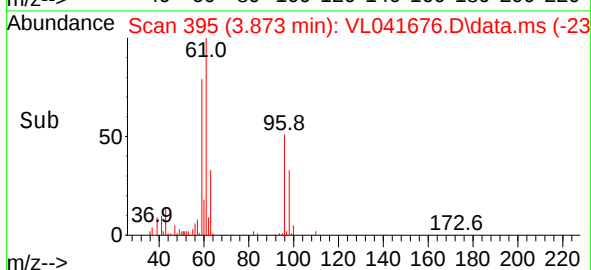
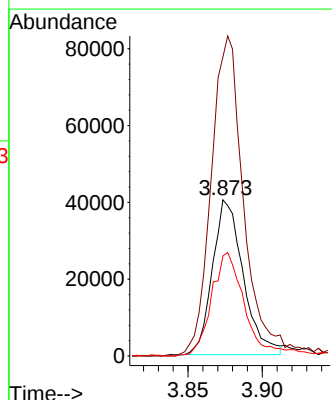
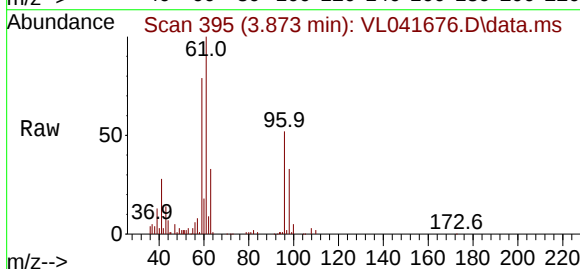
Tgt Ion: 96 Resp: 58180

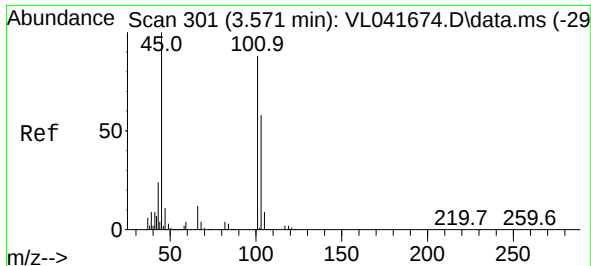
Ion Ratio Lower Upper

96 100

61 191.9 150.7 226.1

98 64.0 49.4 74.2





#19

Isopropyl Alcohol

Concen: 1.168 ppbv

RT: 3.584 min Scan# 301

Delta R.T. 0.013 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

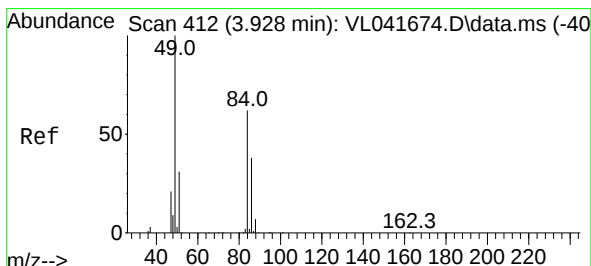
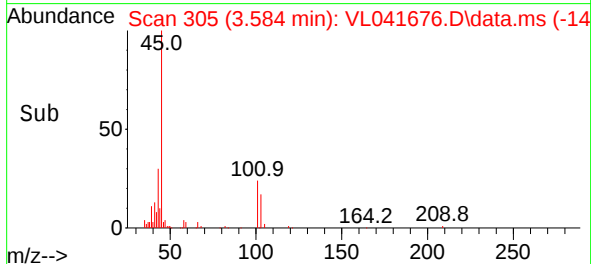
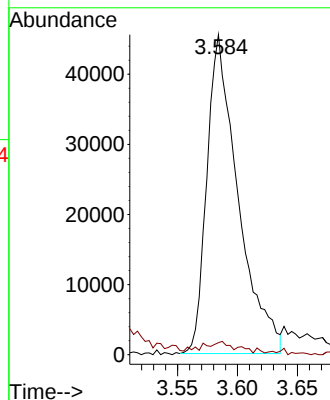
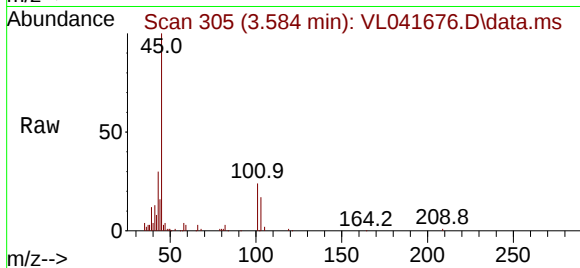
ClientSampleId :

Tgt Ion: 45 Resp: 82398

Ion Ratio Lower Upper

45 100

58 6.2 2.5 3.7#



#20

Methylene Chloride

Concen: 1.107 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion: 84 Resp: 59394

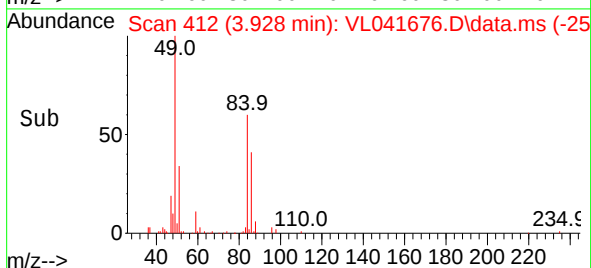
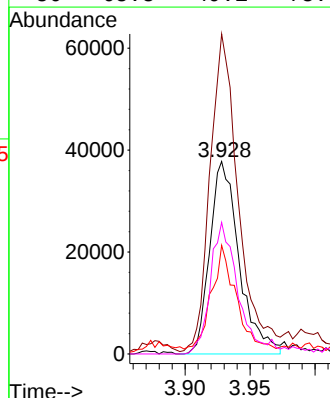
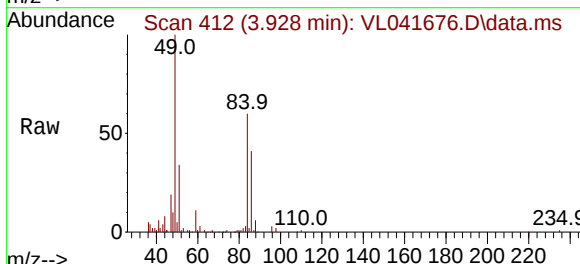
Ion Ratio Lower Upper

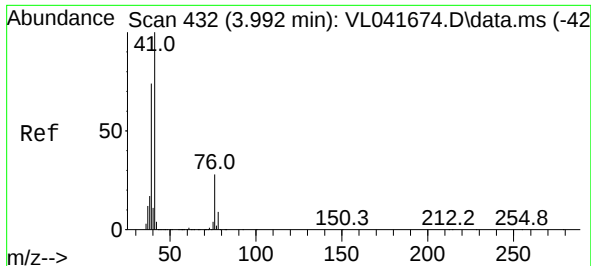
84 100

49 165.0 129.7 194.5

51 52.7 39.8 59.6

86 68.3 49.1 73.7





#21

Allyl Chloride

Concen: 1.061 ppbv

RT: 3.992 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

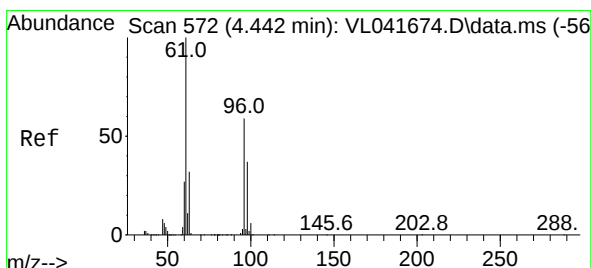
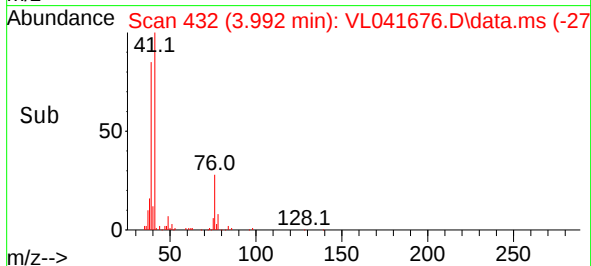
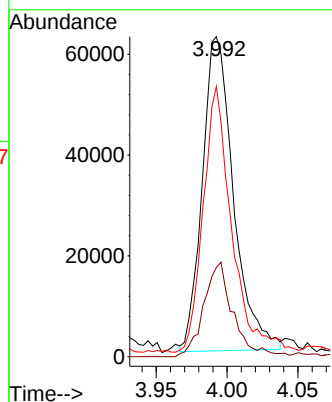
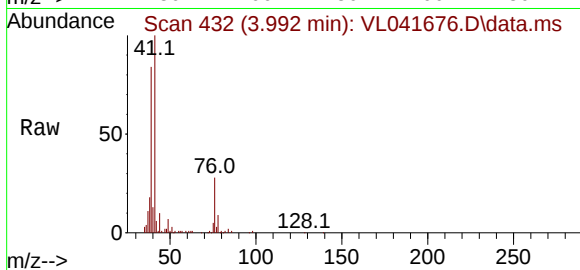
Tgt Ion: 41 Resp: 95568

Ion Ratio Lower Upper

41 100

76 28.9 23.5 35.3

39 76.9 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 0.504 ppbv

RT: 4.439 min Scan# 571

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

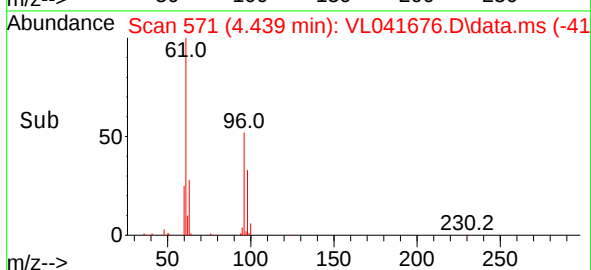
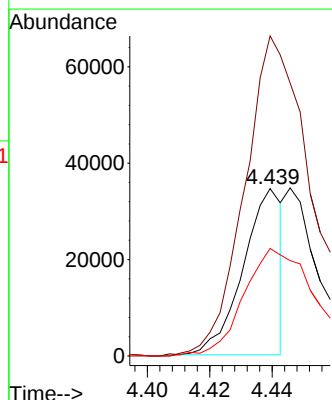
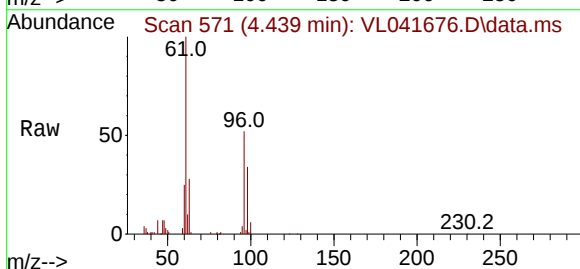
Tgt Ion: 96 Resp: 29921

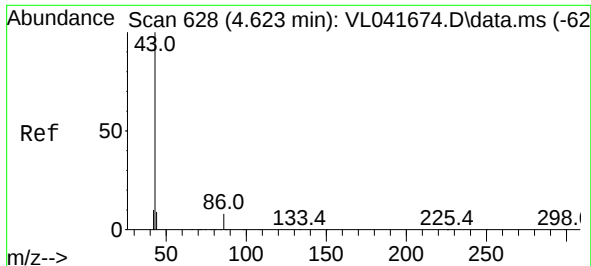
Ion Ratio Lower Upper

96 100

61 190.9 134.5 201.7

98 63.9 49.6 74.4

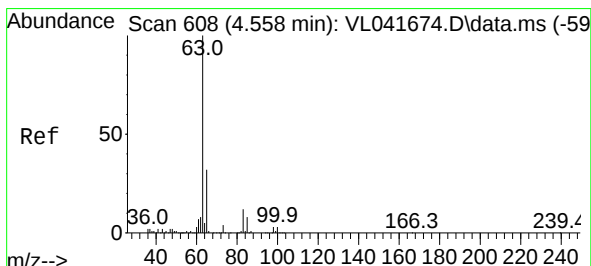
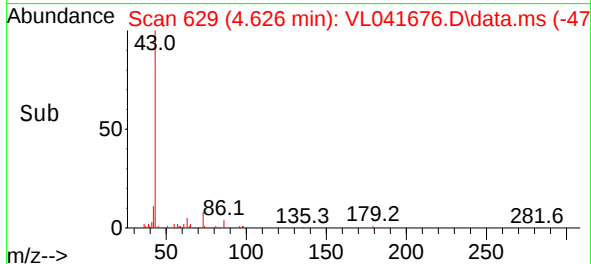
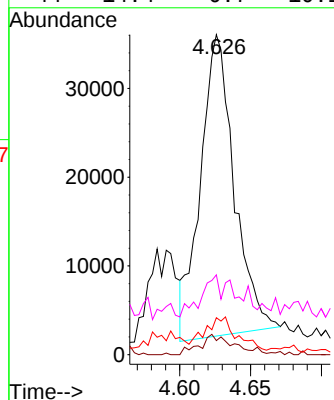
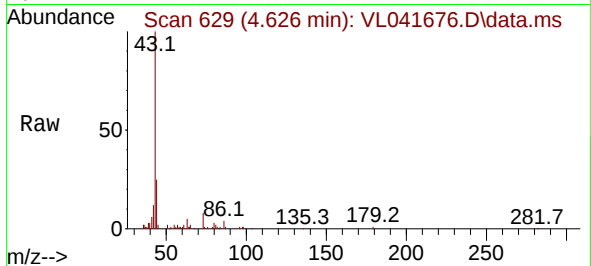




#23
Vinyl Acetate
Concen: 0.820 ppbv
RT: 4.626 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

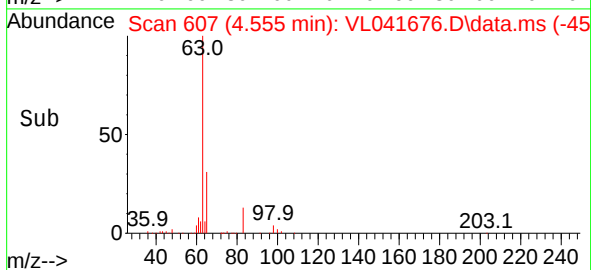
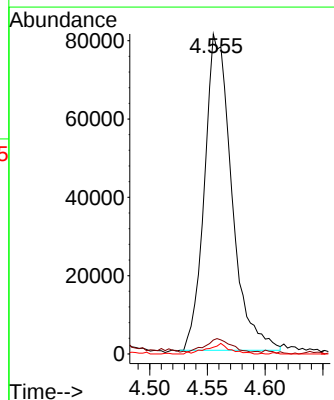
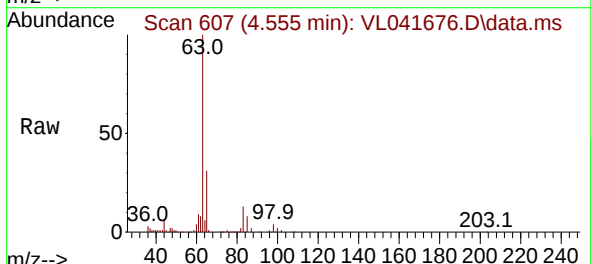
Instrument :
MSVOA_L
ClientSampleId :

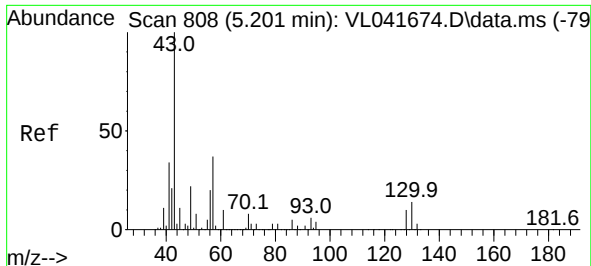
Tgt Ion: 43 Resp: 56204
Ion Ratio Lower Upper
43 100
86 4.8 5.3 7.9#
42 10.7 8.5 12.7
44 14.4 6.7 10.1#



#24
1,1-Dichloroethane
Concen: 1.002 ppbv
RT: 4.555 min Scan# 607
Delta R.T. -0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 63 Resp: 132214
Ion Ratio Lower Upper
63 100
98 3.8 1.8 5.4
100 2.1 1.4 4.2





#25

Ethyl Acetate

Concen: 1.050 ppbv

RT: 5.205 min Scan# 80

Delta R.T. 0.003 min

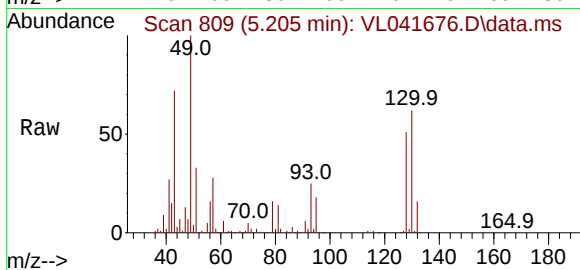
Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 316814

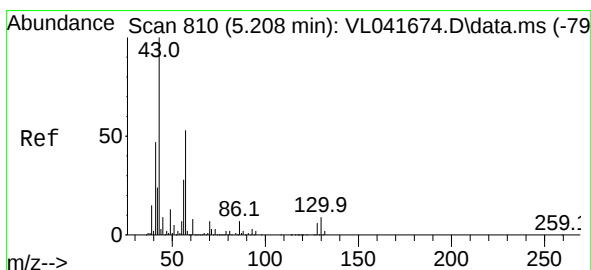
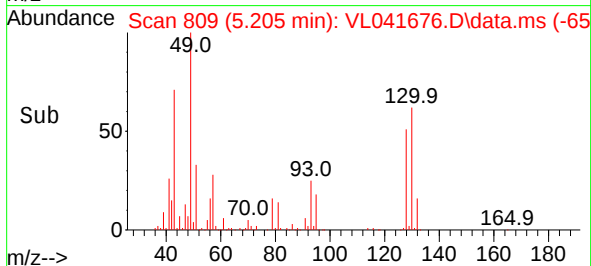
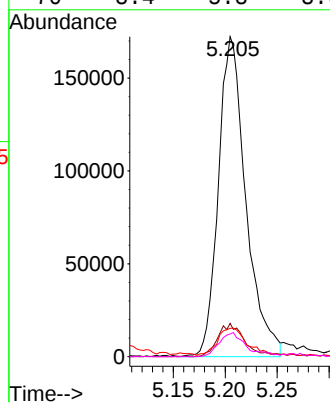
Ion Ratio Lower Upper

43 100

45 11.0 8.6 13.0

61 9.5 8.4 12.6

70 8.4 5.8 8.6



#26

Hexane

Concen: 1.053 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion: 57 Resp: 122113

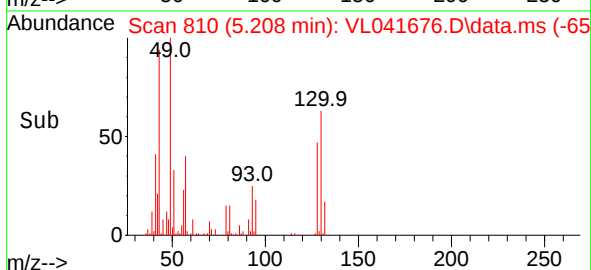
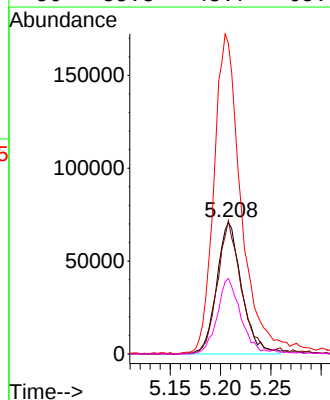
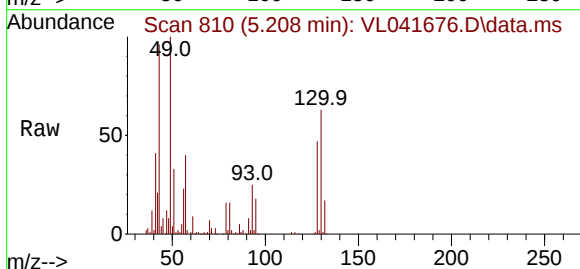
Ion Ratio Lower Upper

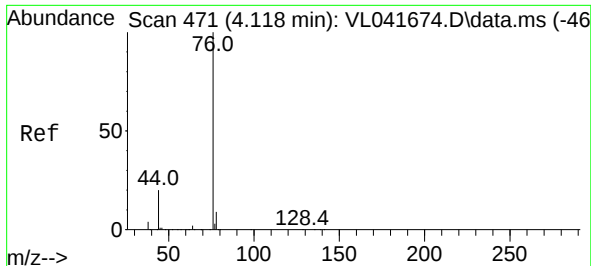
57 100

41 100.9 76.1 114.1

43 271.9 207.0 310.6

56 55.8 43.7 65.5





#27

Carbon Disulfide

Concen: 0.961 ppbv

RT: 4.121 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

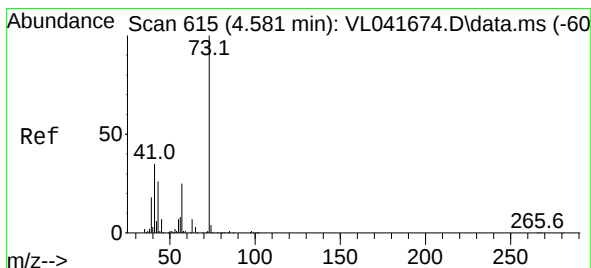
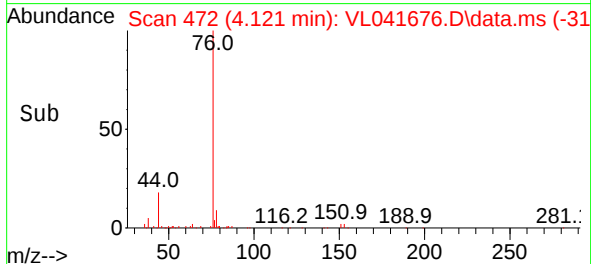
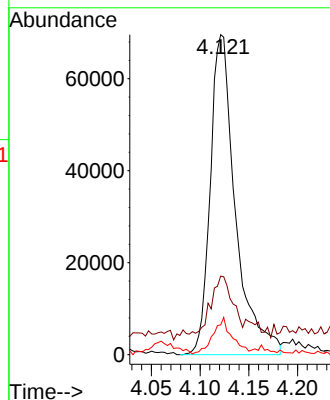
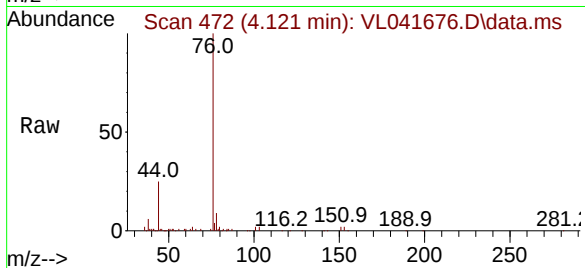
Tgt Ion: 76 Resp: 125113

Ion Ratio Lower Upper

76 100

44 21.0 15.8 23.8

78 10.6 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 1.062 ppbv

RT: 4.587 min Scan# 617

Delta R.T. 0.007 min

Lab File: VL041676.D

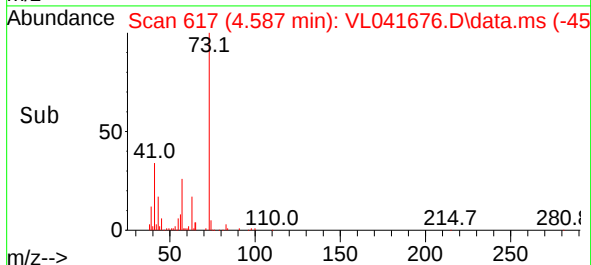
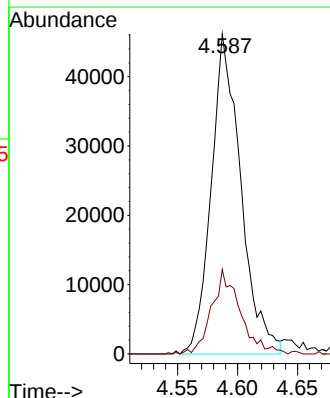
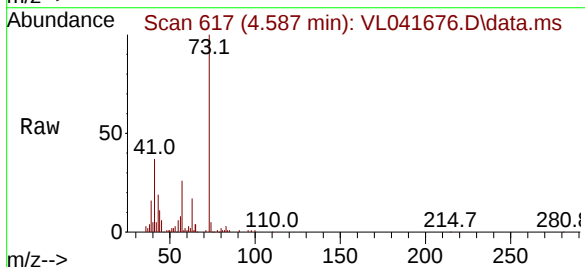
Acq: 7 Nov 2024 11:34

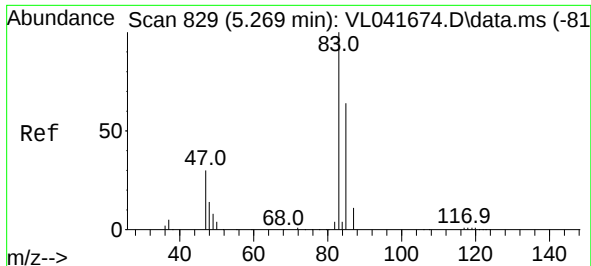
Tgt Ion: 73 Resp: 79309

Ion Ratio Lower Upper

73 100

57 25.7 19.6 29.4





#29

Chloroform

Concen: 1.034 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

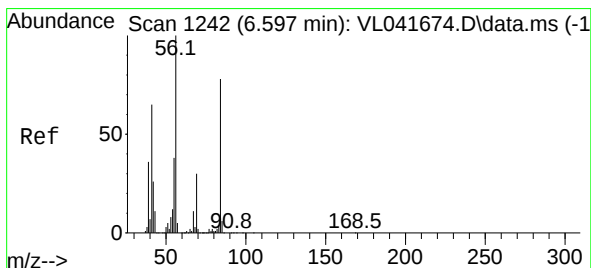
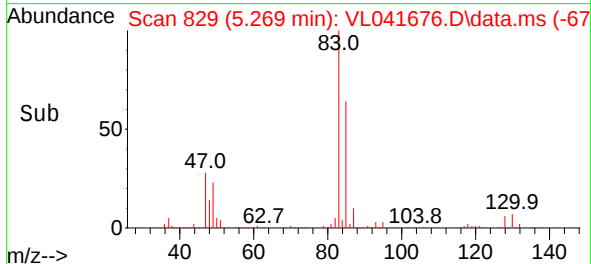
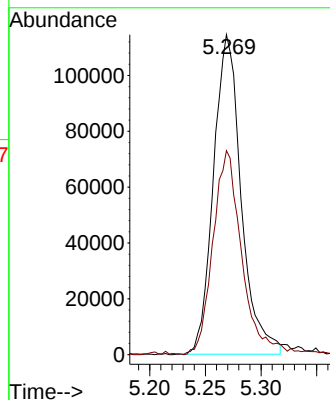
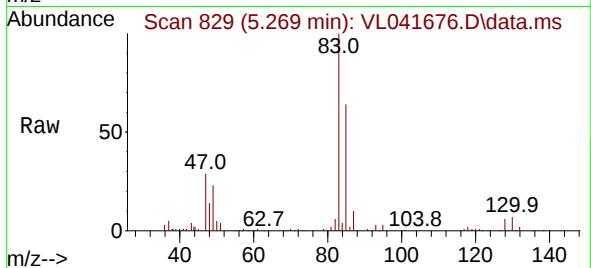
ClientSampleId :

Tgt Ion: 83 Resp: 197891

Ion Ratio Lower Upper

83 100

85 63.6 51.1 76.7



#30

Cyclohexane

Concen: 0.946 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

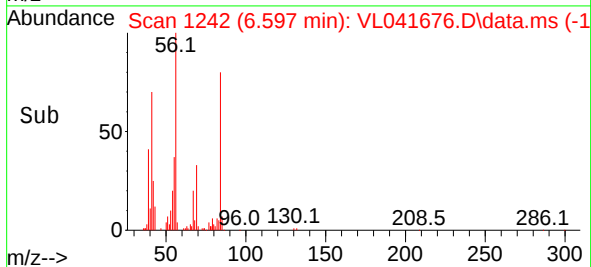
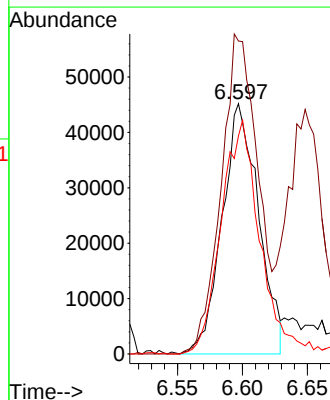
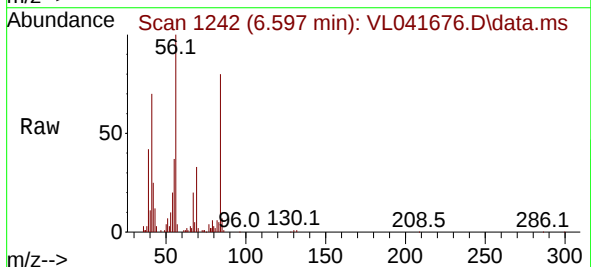
Tgt Ion: 84 Resp: 88127

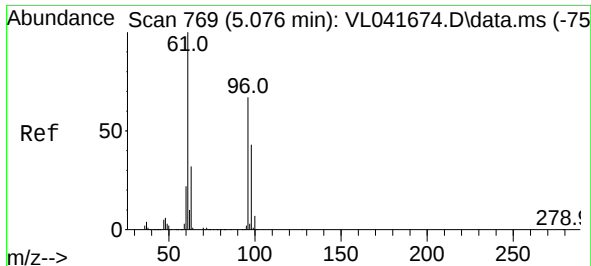
Ion Ratio Lower Upper

84 100

56 127.9 110.8 166.2

41 100.1 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 1.032 ppbv

RT: 5.073 min Scan# 769

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

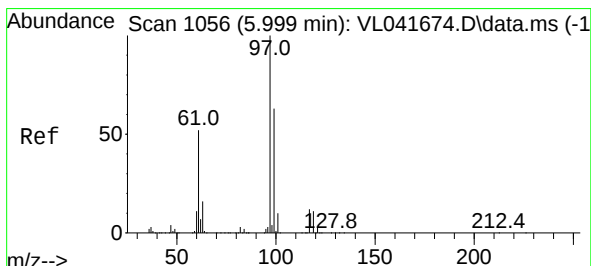
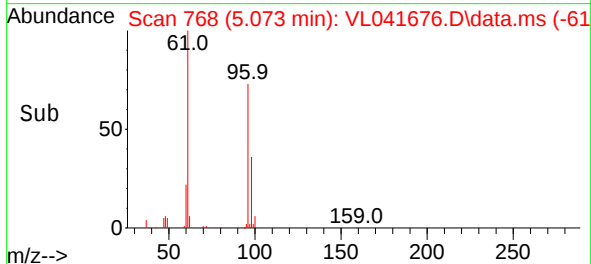
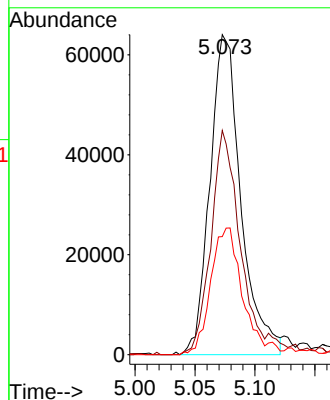
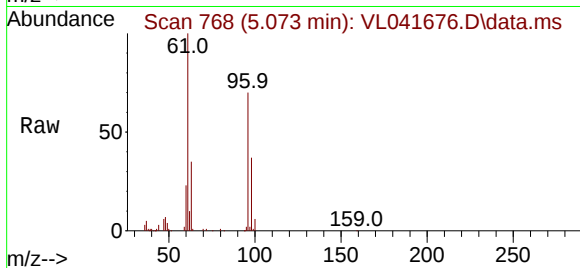
Tgt Ion: 61 Resp: 115115

Ion Ratio Lower Upper

61 100

96 70.0 53.4 80.2

98 36.9 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 1.063 ppbv

RT: 5.996 min Scan# 1055

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

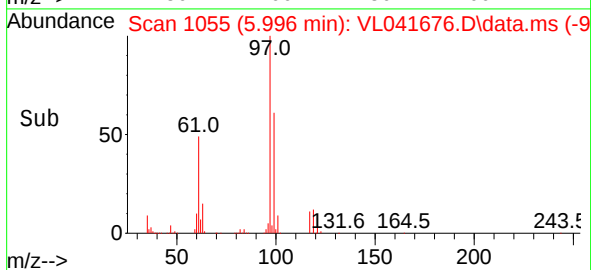
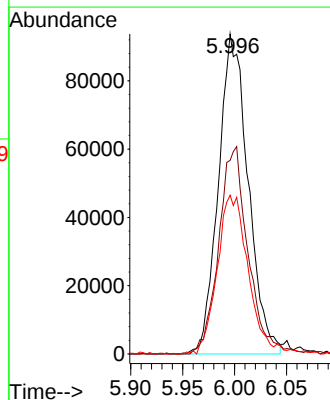
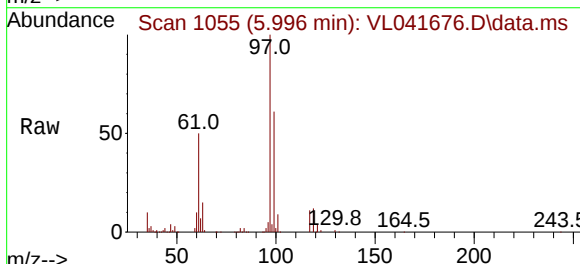
Tgt Ion: 97 Resp: 186425

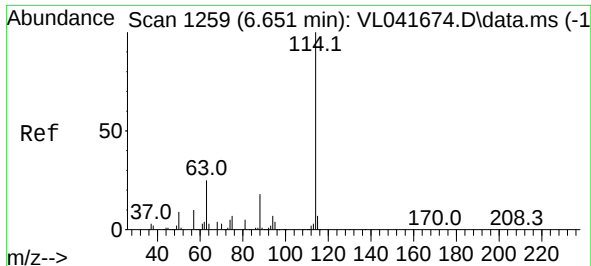
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.2

61 52.4 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

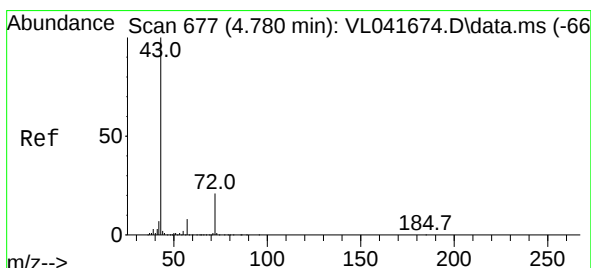
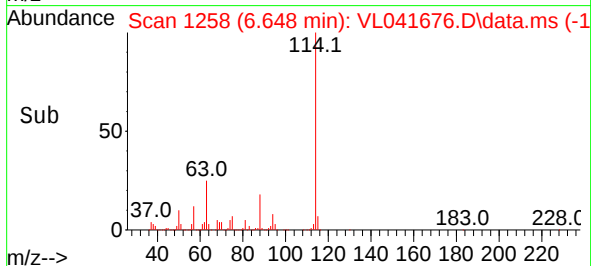
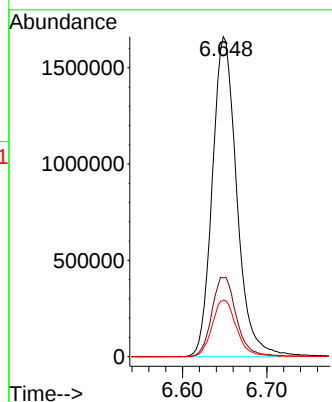
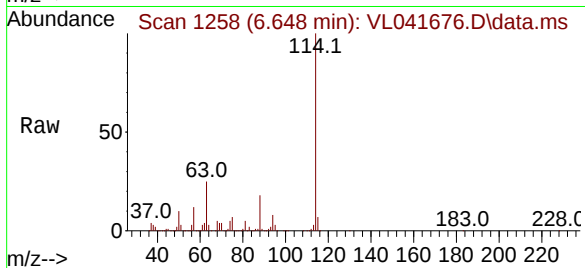
Tgt Ion:114 Resp: 3332226

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 17.9 14.2 21.4



#34

2-Butanone

Concen: 1.004 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.010 min

Lab File: VL041676.D

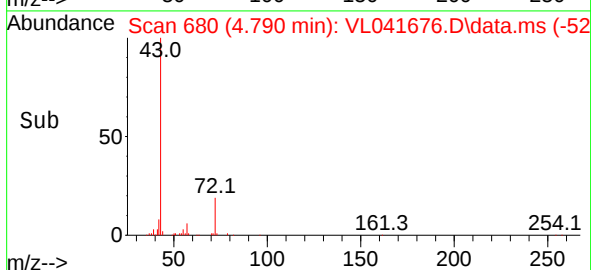
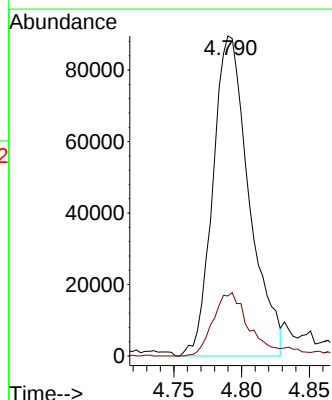
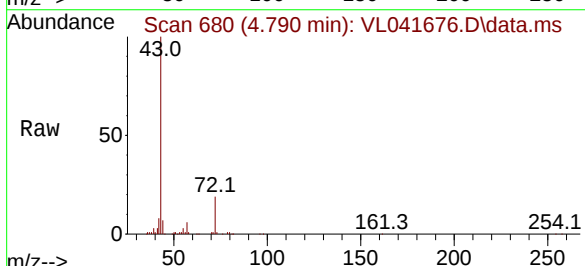
Acq: 7 Nov 2024 11:34

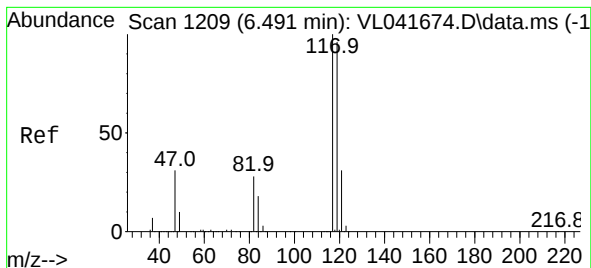
Tgt Ion: 43 Resp: 166525

Ion Ratio Lower Upper

43 100

72 22.0 17.4 26.0





#35

Carbon Tetrachloride

Concen: 1.064 ppbv

RT: 6.491 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

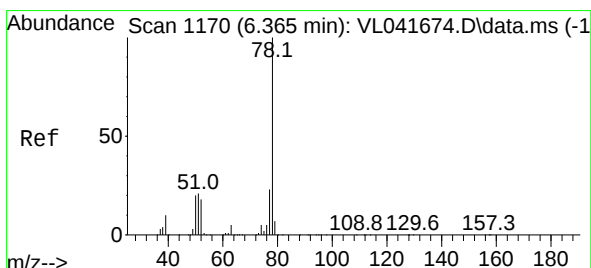
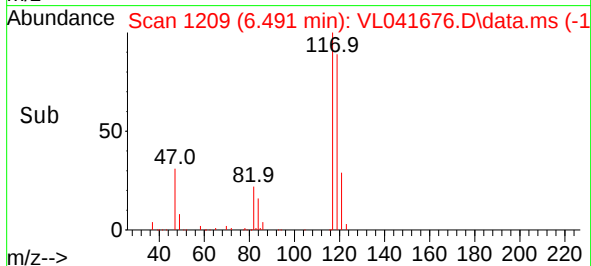
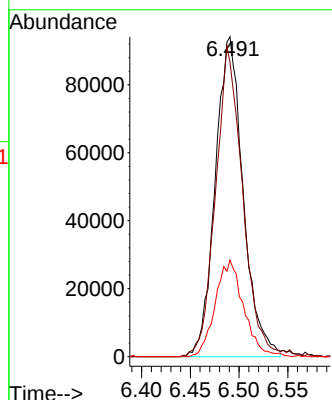
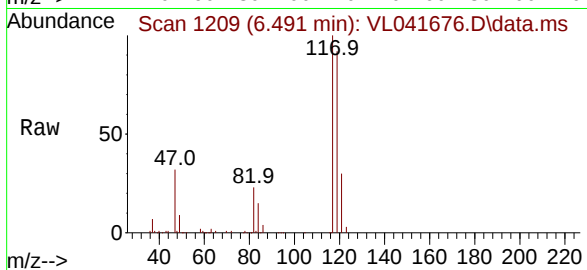
Tgt Ion:117 Resp: 187475

Ion Ratio Lower Upper

117 100

119 92.1 77.2 115.8

121 30.1 25.0 37.4



#36

Benzene

Concen: 1.014 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

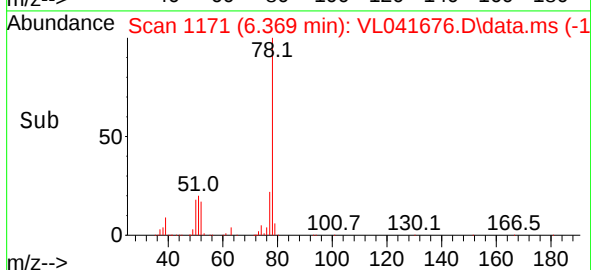
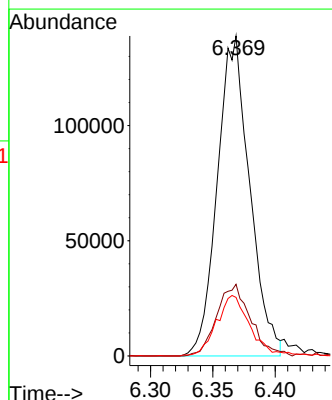
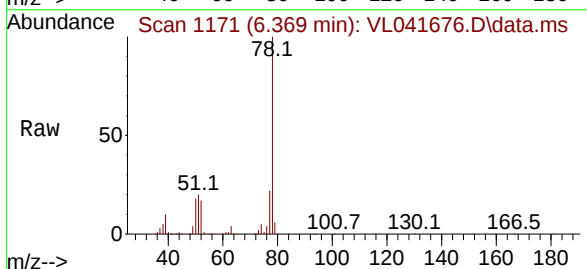
Tgt Ion: 78 Resp: 250318

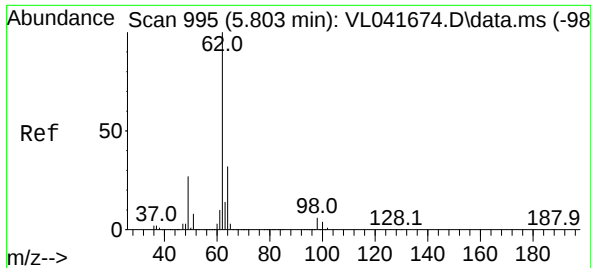
Ion Ratio Lower Upper

78 100

77 22.4 18.5 27.7

50 18.3 15.6 23.4

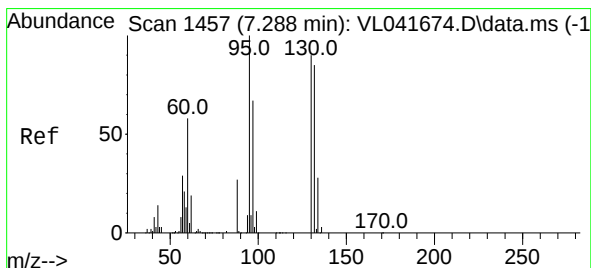
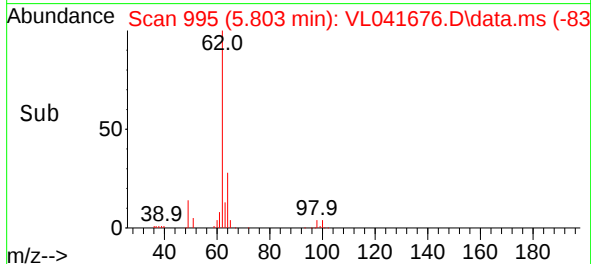
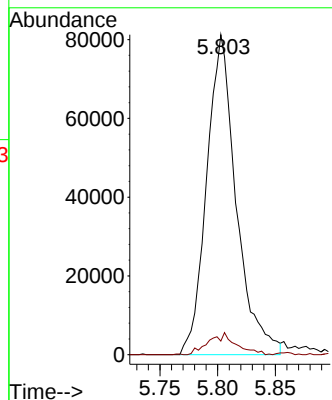
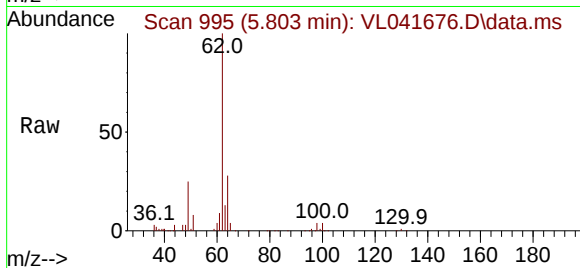




#37
1,2-Dichloroethane
Concen: 1.037 ppbv
RT: 5.803 min Scan# 995
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

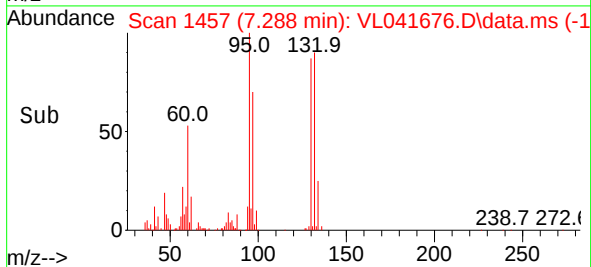
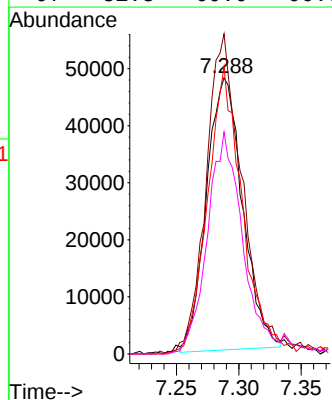
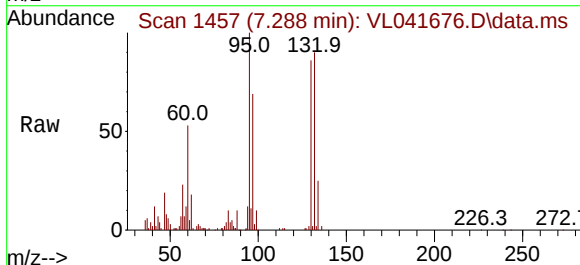
Instrument :
MSVOA_L
ClientSampleId :

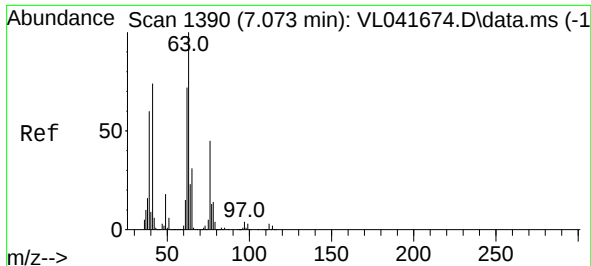
Tgt Ion: 62 Resp: 144449
Ion Ratio Lower Upper
62 100
98 6.5 5.2 7.8



#38
Trichloroethene
Concen: 1.010 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion:130 Resp: 96191
Ion Ratio Lower Upper
130 100
95 114.6 89.1 133.7
132 104.7 75.7 113.5
97 81.3 60.0 90.0





#39

1,2-Dichloropropane

Concen: 1.023 ppbv

RT: 7.069 min Scan# 1459

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

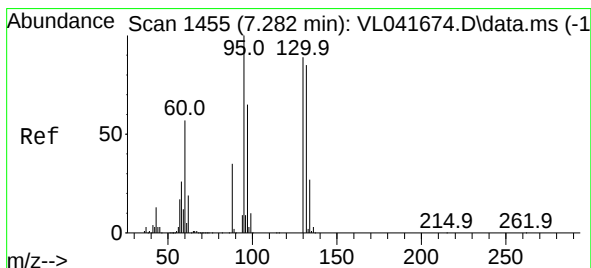
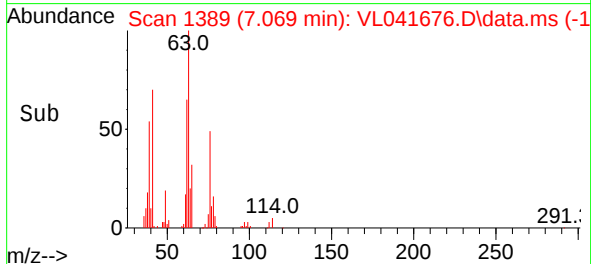
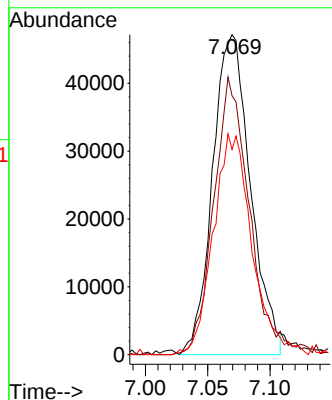
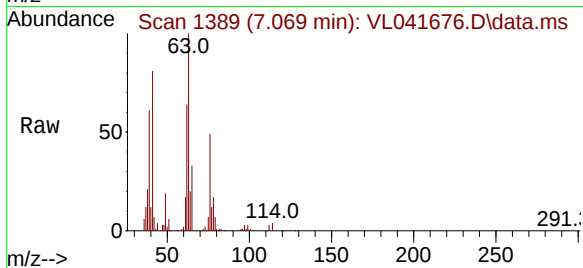
Tgt Ion: 63 Resp: 99780

Ion Ratio Lower Upper

63 100

41 79.7 59.1 88.7

62 62.6 57.7 86.5



#40

1,4-Dioxane

Concen: 0.254 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.016 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion: 88 Resp: 8783

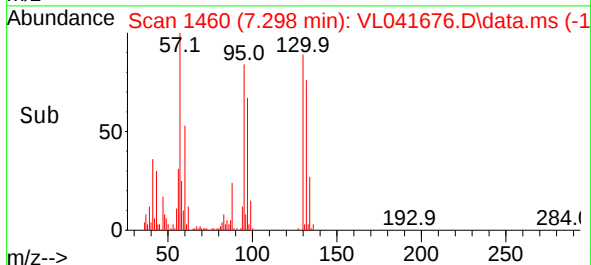
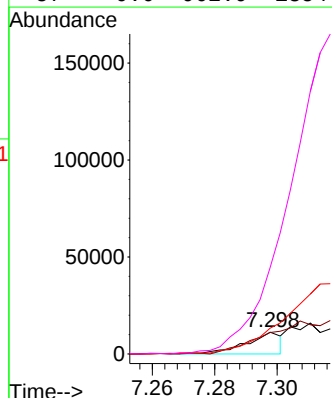
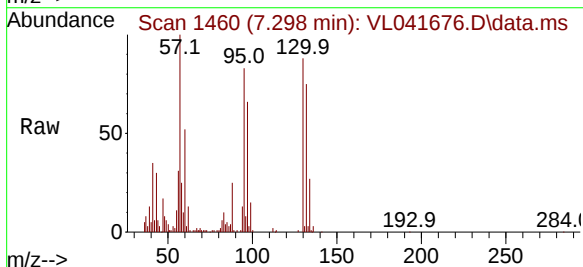
Ion Ratio Lower Upper

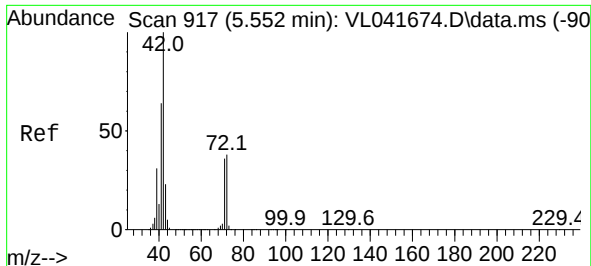
88 100

58 0.0 101.4 152.2#

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 0.989 ppbv

RT: 5.571 min Scan# 917

Delta R.T. 0.019 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

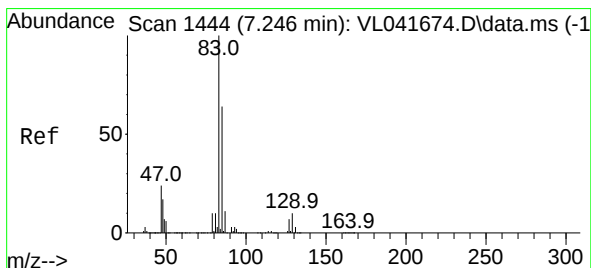
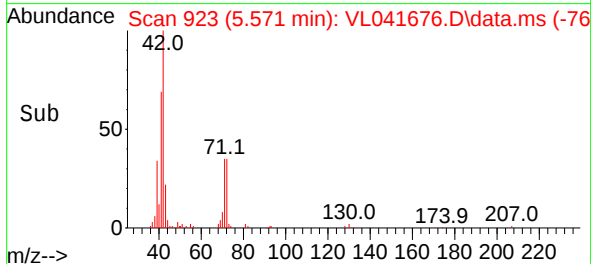
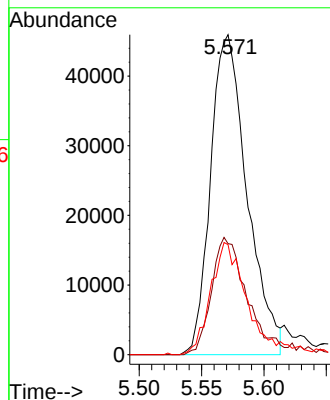
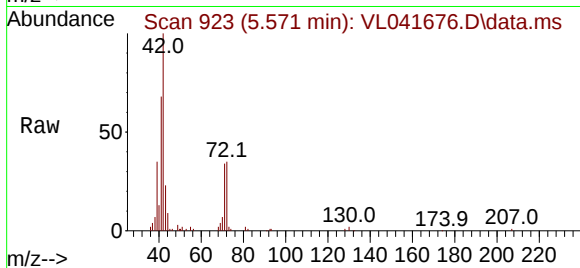
Tgt Ion: 42 Resp: 93643

Ion Ratio Lower Upper

42 100

72 37.6 29.8 44.6

71 36.5 29.4 44.2



#42

Bromodichloromethane

Concen: 0.974 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

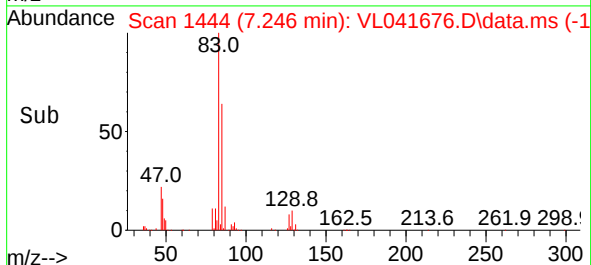
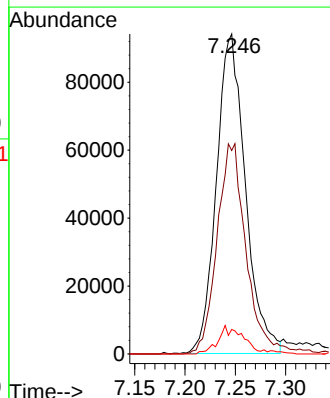
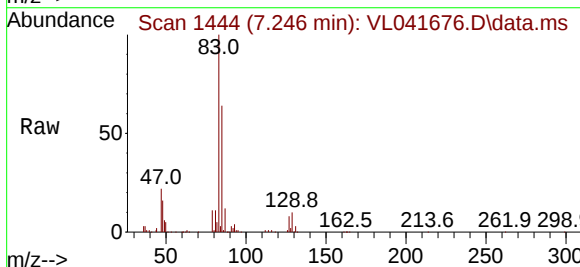
Tgt Ion: 83 Resp: 188568

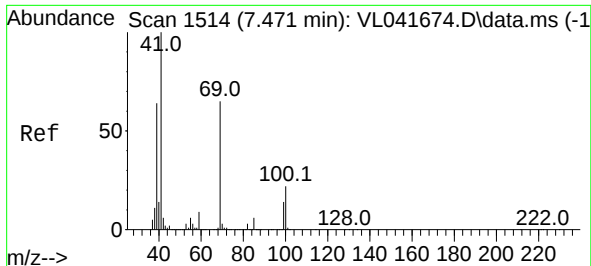
Ion Ratio Lower Upper

83 100

85 63.7 51.2 76.8

127 7.7 6.0 9.0





#43

Methyl Methacrylate

Concen: 0.910 ppbv

RT: 7.478 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

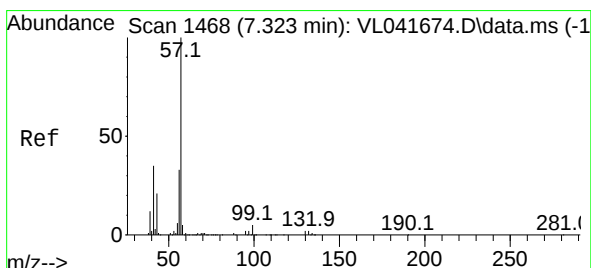
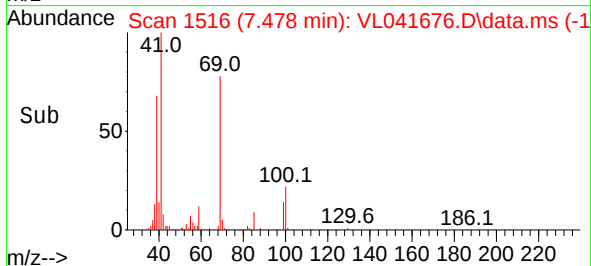
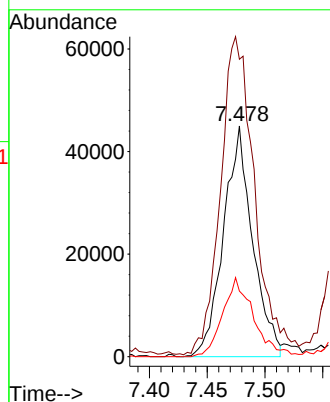
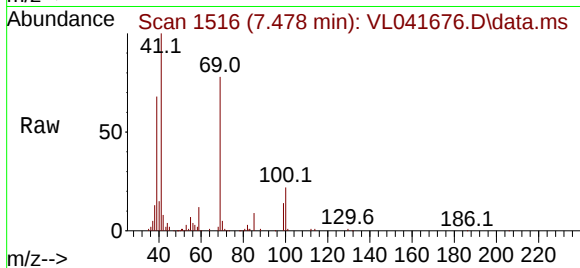
Tgt Ion: 69 Resp: 78902

Ion Ratio Lower Upper

69 100

41 164.4 119.8 179.6

100 36.2 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 1.041 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

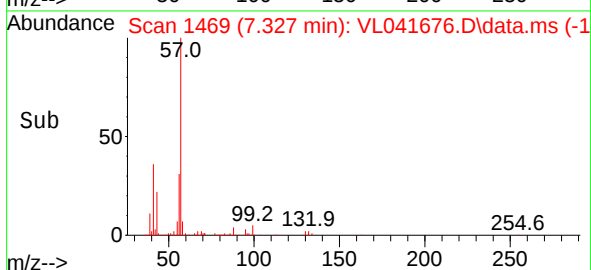
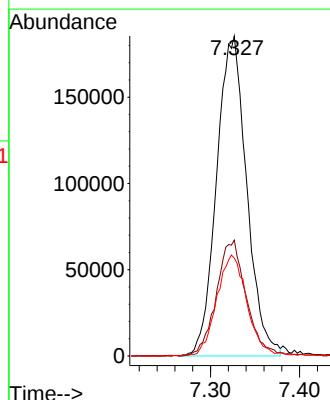
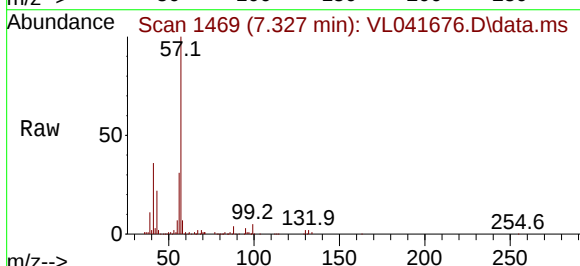
Tgt Ion: 57 Resp: 435343

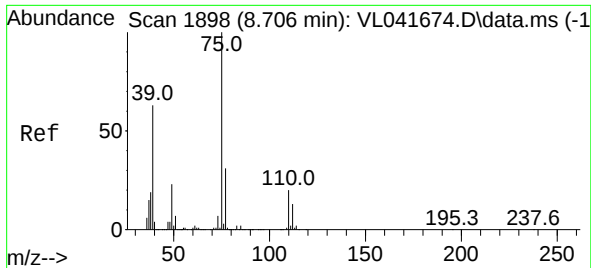
Ion Ratio Lower Upper

57 100

41 36.1 27.0 40.6

56 32.1 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 0.482 ppbv

RT: 8.709 min Scan# 1898

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

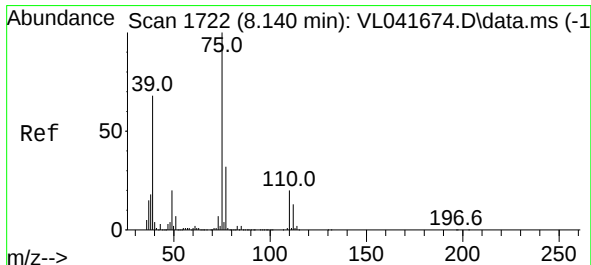
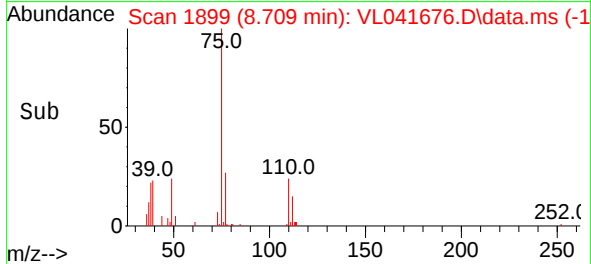
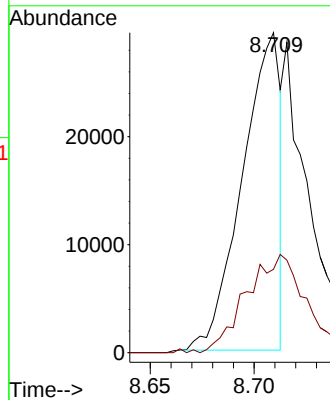
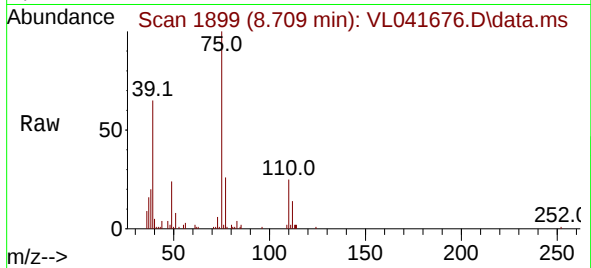
ClientSampleId :

Tgt Ion: 75 Resp: 37335

Ion Ratio Lower Upper

75 100

77 27.2 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 0.901 ppbv

RT: 8.143 min Scan# 1723

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

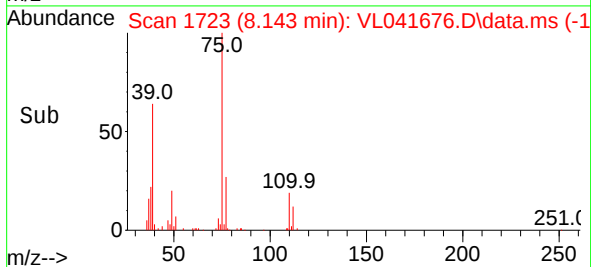
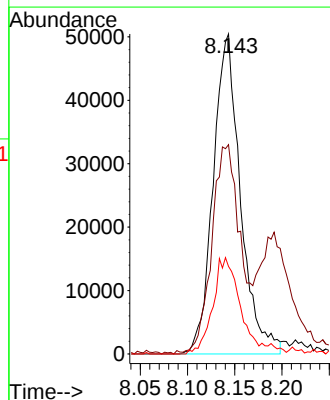
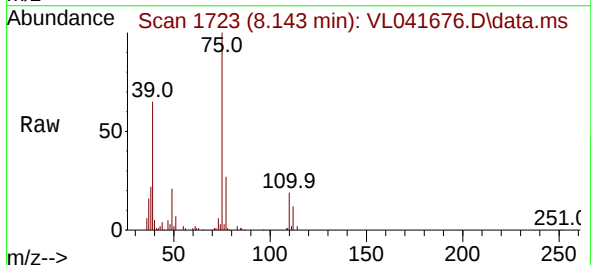
Tgt Ion: 75 Resp: 101425

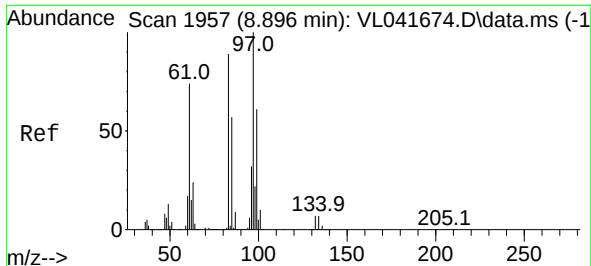
Ion Ratio Lower Upper

75 100

39 64.8 54.1 81.1

77 27.4 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 0.997 ppbv

RT: 8.896 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 104883

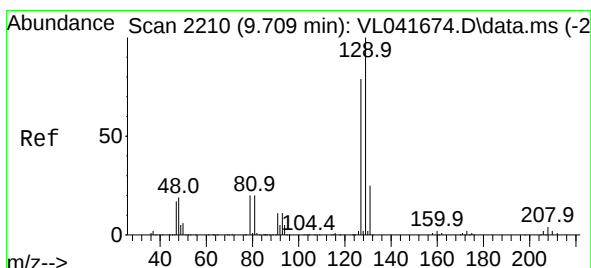
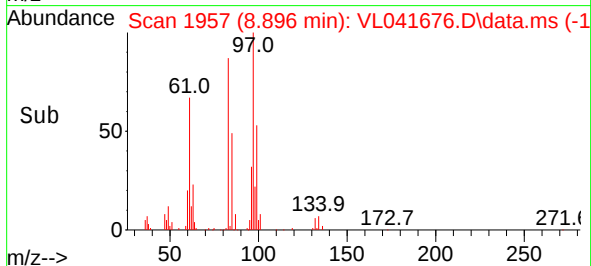
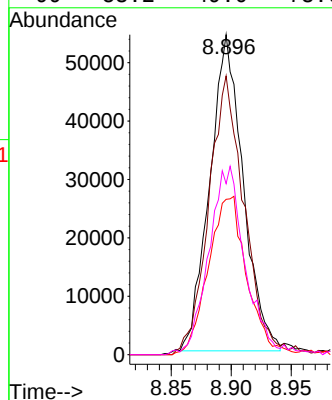
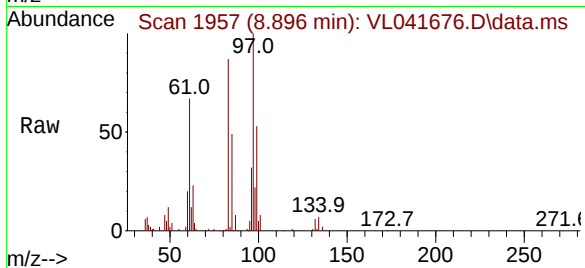
Ion Ratio Lower Upper

97 100

83 86.1 71.0 106.6

85 48.2 45.4 68.2

99 53.2 49.0 73.6



#48

Dibromochloromethane

Concen: 0.952 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VL041676.D

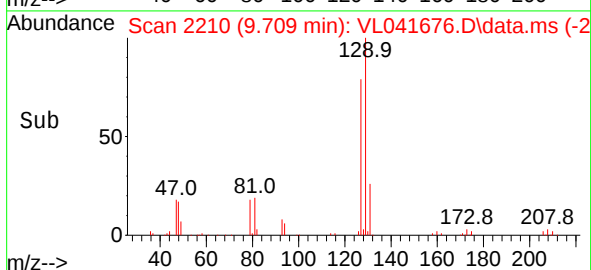
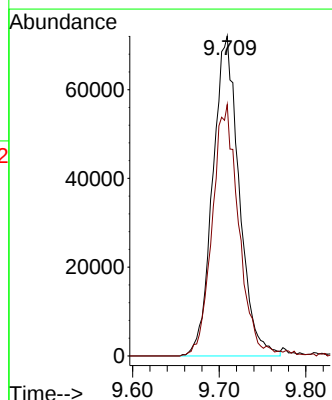
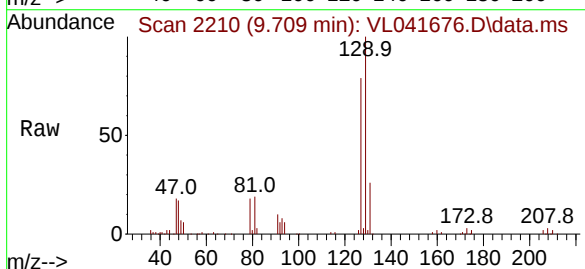
Acq: 7 Nov 2024 11:34

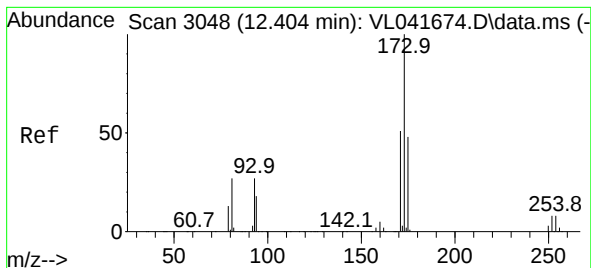
Tgt Ion: 129 Resp: 152757

Ion Ratio Lower Upper

129 100

127 79.4 39.1 117.2





#49

Bromoform

Concen: 0.449 ppbv

RT: 12.400 min Scan# 3048

Delta R.T. -0.003 min

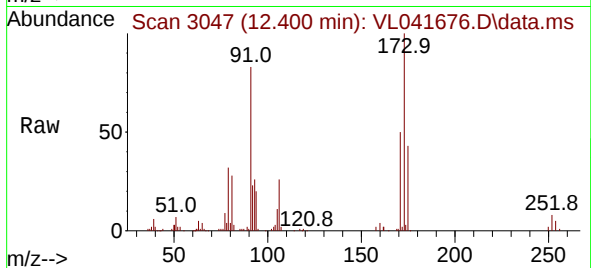
Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :



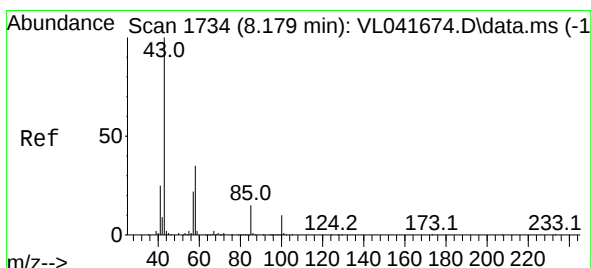
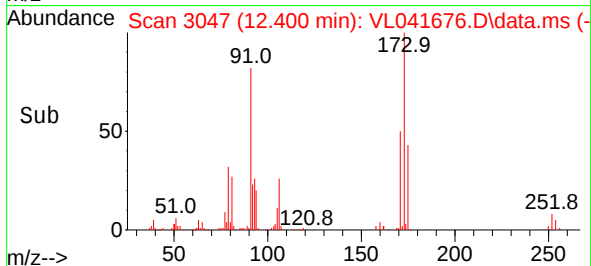
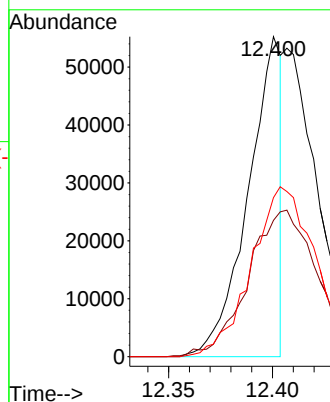
Tgt Ion:173 Resp: 61535

Ion Ratio Lower Upper

173 100

175 0.0 39.2 58.8#

171 0.0 41.7 62.5#



#50

4-Methyl-2-Pentanone

Concen: 0.985 ppbv

RT: 8.188 min Scan# 1737

Delta R.T. 0.010 min

Lab File: VL041676.D

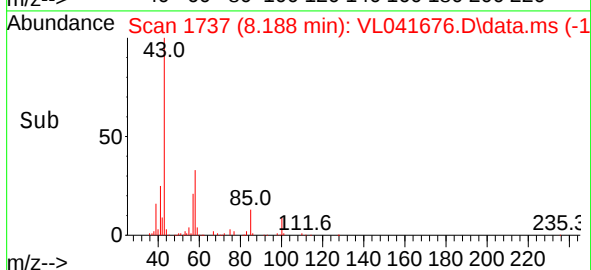
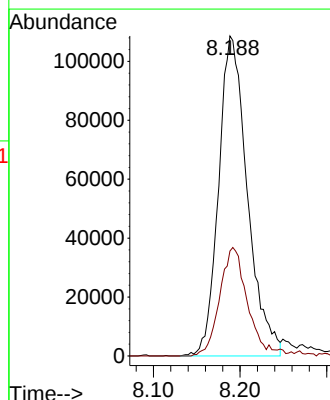
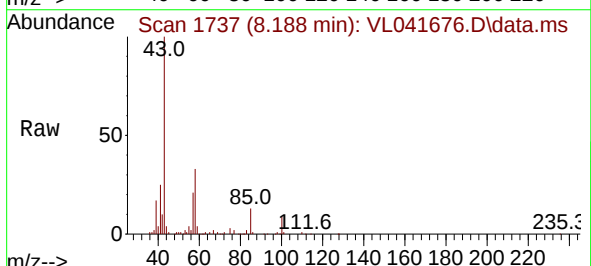
Acq: 7 Nov 2024 11:34

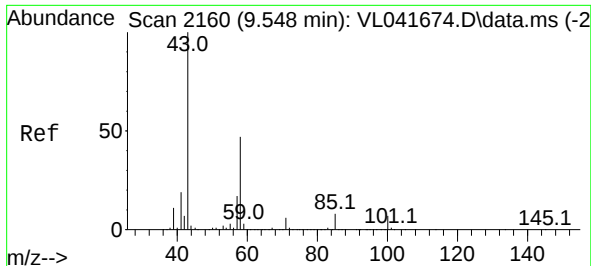
Tgt Ion: 43 Resp: 250885

Ion Ratio Lower Upper

43 100

58 34.0 27.7 41.5

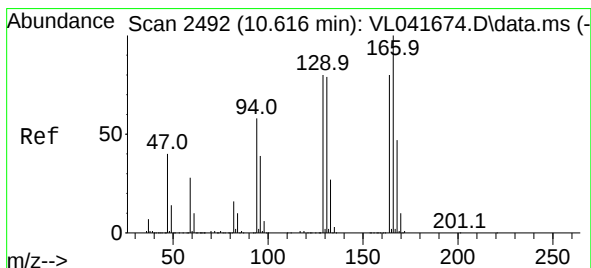
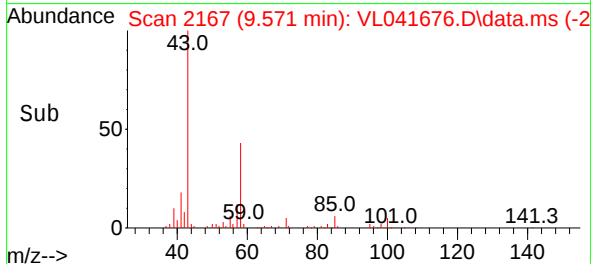
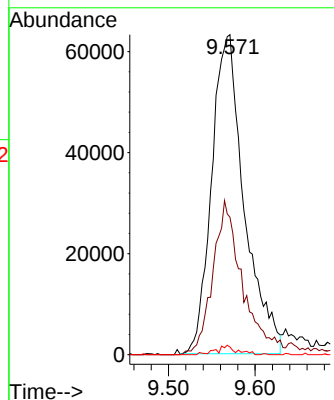
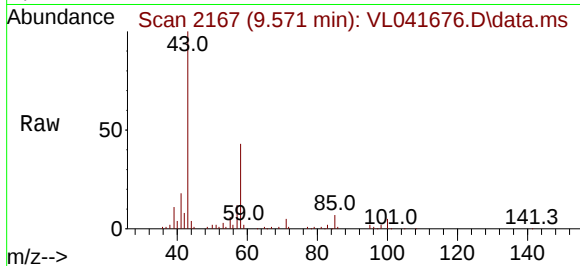




#51
2-Hexanone
Concen: 0.892 ppbv
RT: 9.571 min Scan# 2160
Delta R.T. 0.023 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

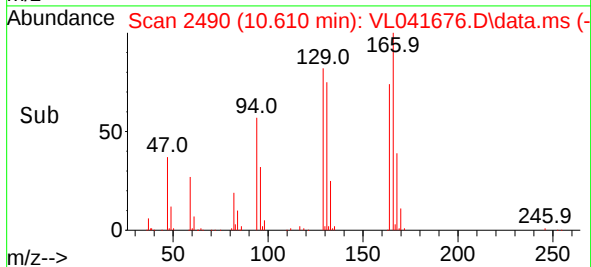
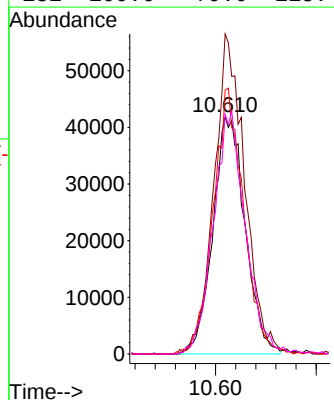
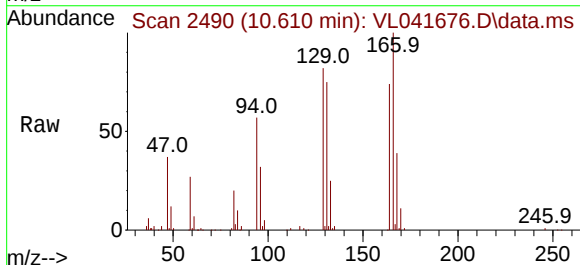
Instrument :
MSVOA_L
ClientSampleId :

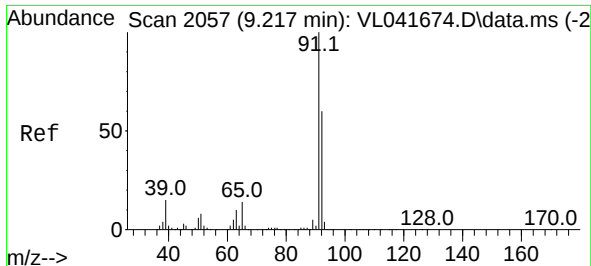
Tgt Ion: 43 Resp: 165158
Ion Ratio Lower Upper
43 100
58 46.5 37.0 55.6
98 1.8 0.6 0.8#



#52
Tetrachloroethene
Concen: 1.102 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. -0.006 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion:164 Resp: 92977
Ion Ratio Lower Upper
164 100
166 133.1 100.2 150.4
129 110.9 79.7 119.5
131 100.6 79.0 118.4





#53

Toluene

Concen: 0.976 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

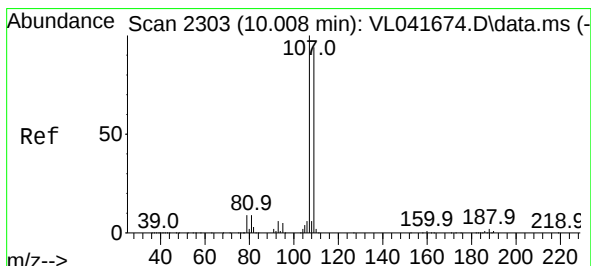
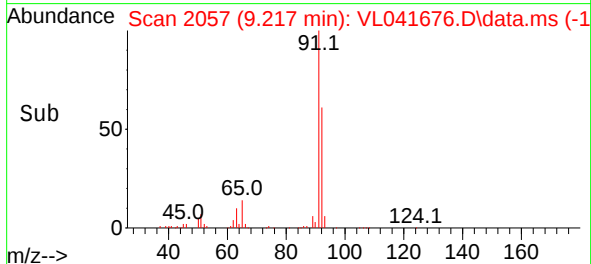
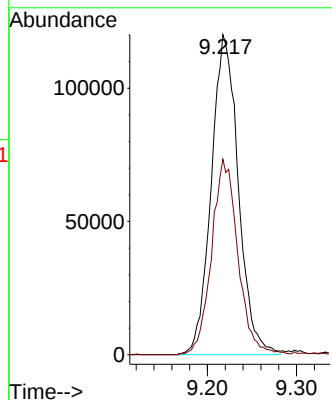
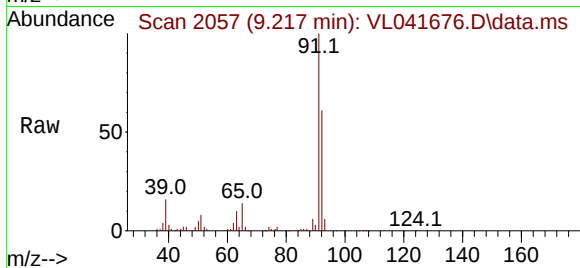
ClientSampleId :

Tgt Ion: 91 Resp: 253501

Ion Ratio Lower Upper

91 100

92 59.4 49.0 73.4



#54

1,2-Dibromoethane

Concen: 0.994 ppbv

RT: 10.008 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VL041676.D

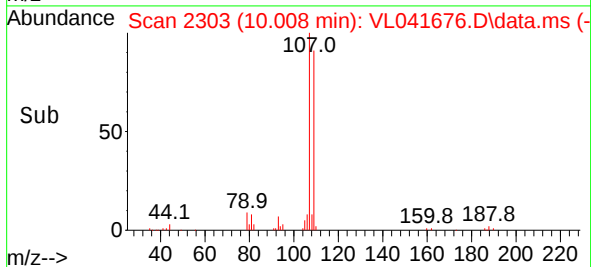
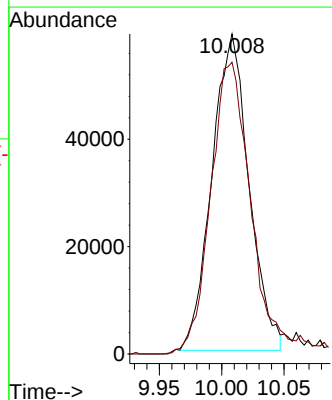
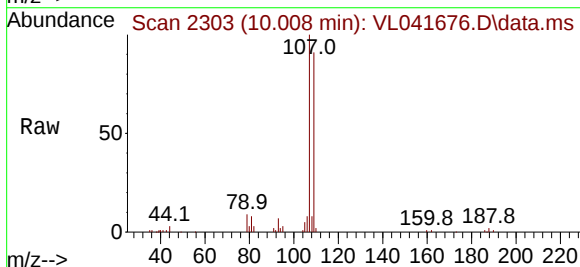
Acq: 7 Nov 2024 11:34

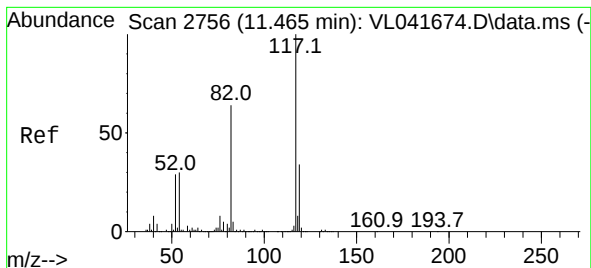
Tgt Ion: 107 Resp: 122096

Ion Ratio Lower Upper

107 100

109 90.5 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

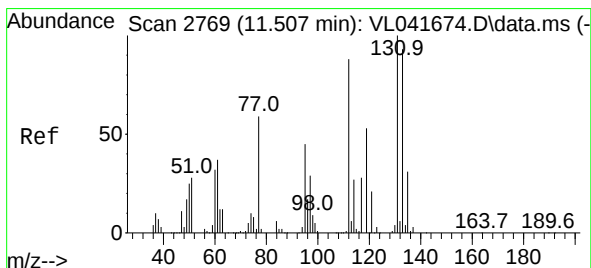
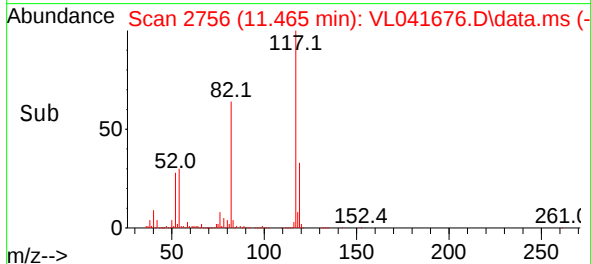
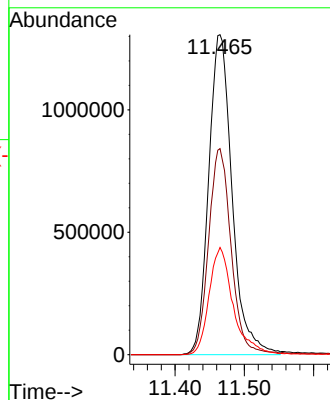
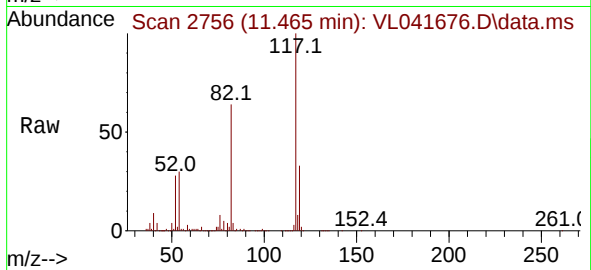
Tgt Ion:117 Resp: 3067671

Ion Ratio Lower Upper

117 100

82 63.0 49.8 74.8

119 34.8 24.2 36.4



#56

1,1,1,2-Tetrachloroethane

Concen: 1.043 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

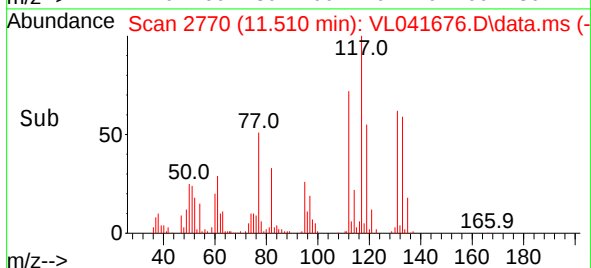
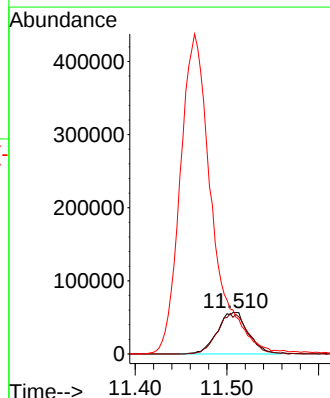
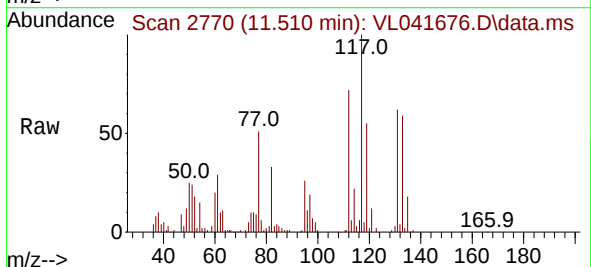
Tgt Ion:131 Resp: 133283

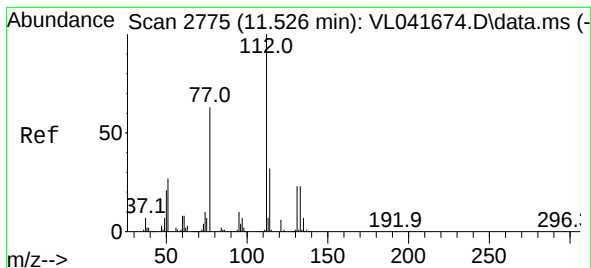
Ion Ratio Lower Upper

131 100

133 96.2 76.5 114.7

119 798.1 49.8 74.8#





#57

Chlorobenzene

Concen: 1.047 ppbv

RT: 11.523 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

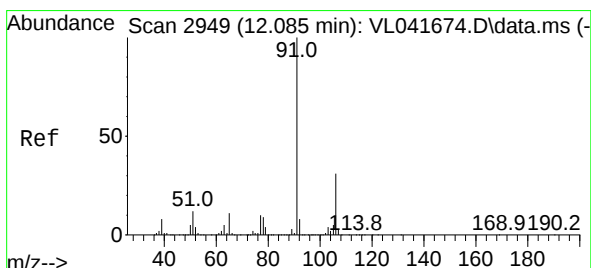
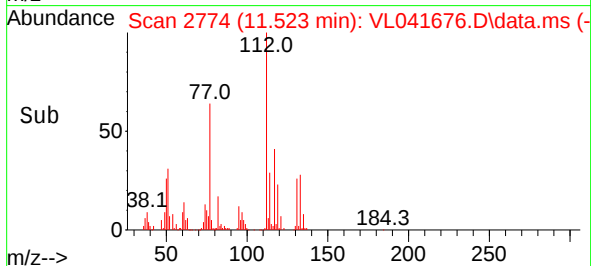
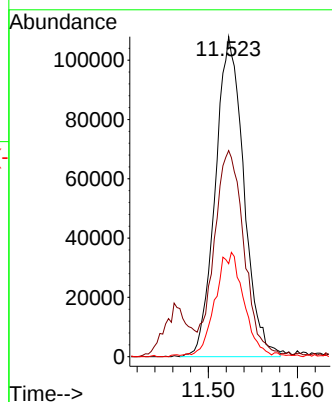
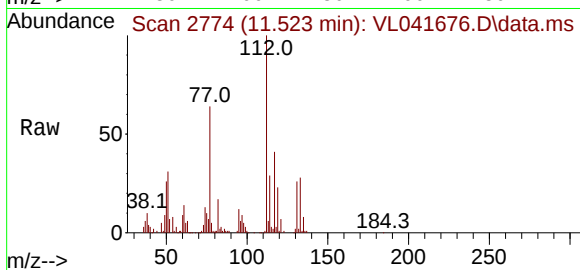
Tgt Ion:112 Resp: 239417

Ion Ratio Lower Upper

112 100

77 63.4 51.4 77.2

114 28.6 28.4 34.8



#58

Ethyl Benzene

Concen: 0.986 ppbv

RT: 12.089 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VL041676.D

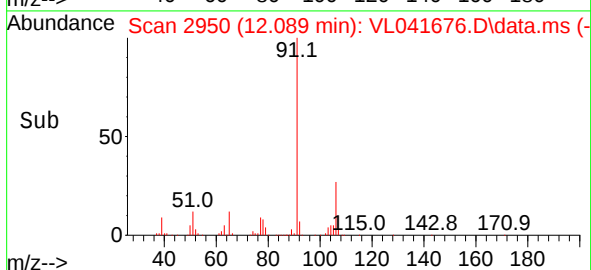
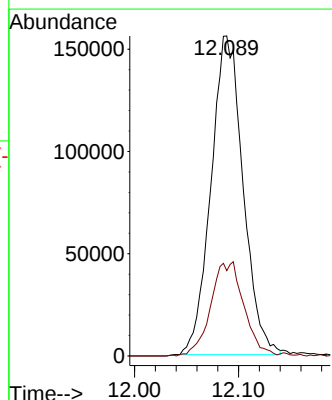
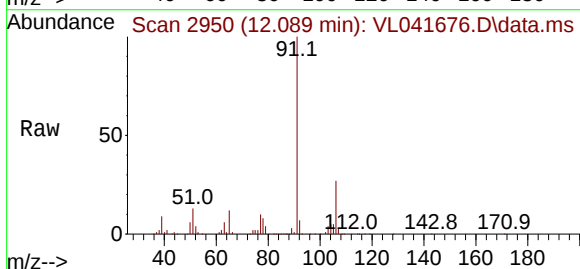
Acq: 7 Nov 2024 11:34

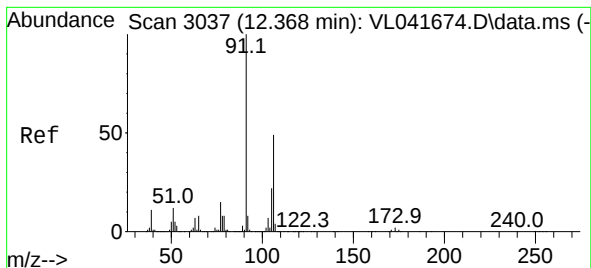
Tgt Ion: 91 Resp: 334939

Ion Ratio Lower Upper

91 100

106 26.3 24.9 37.3





#59

m/p-Xylene

Concen: 0.959 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

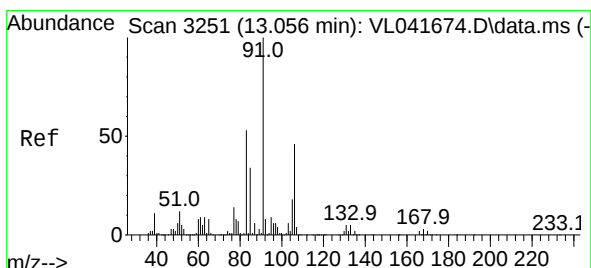
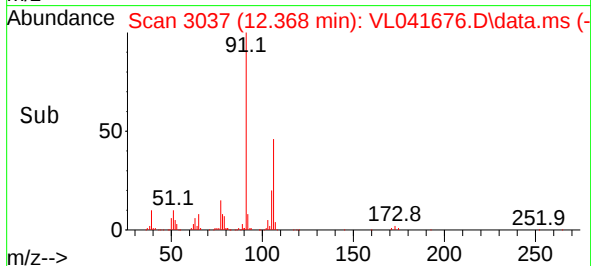
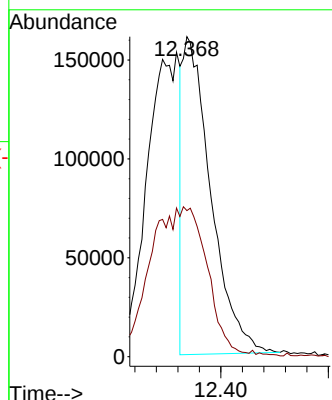
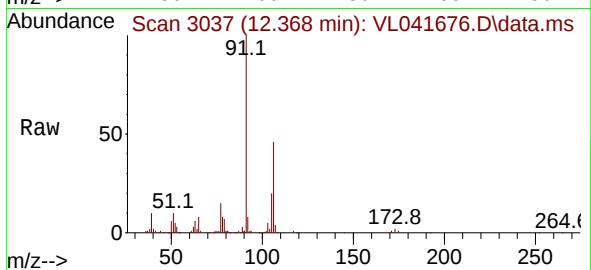
ClientSampleId :

Tgt Ion: 91 Resp: 291390

Ion Ratio Lower Upper

91 100

106 96.8 36.9 55.3#



#60

o-Xylene

Concen: 1.012 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.003 min

Lab File: VL041676.D

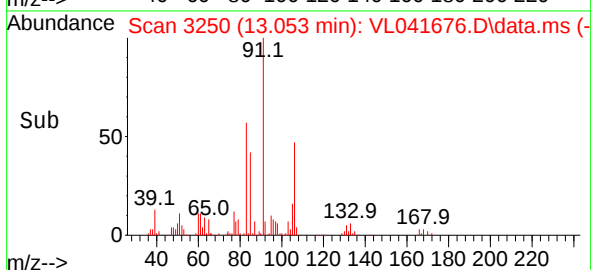
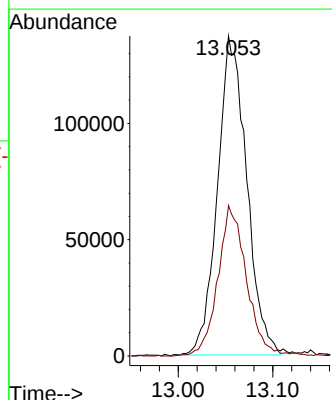
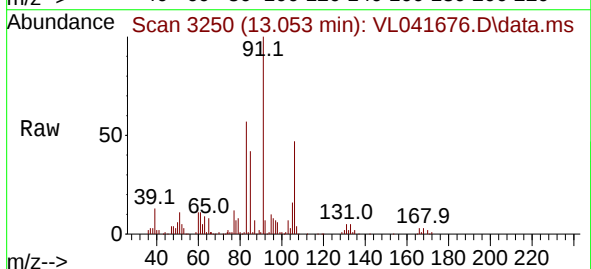
Acq: 7 Nov 2024 11:34

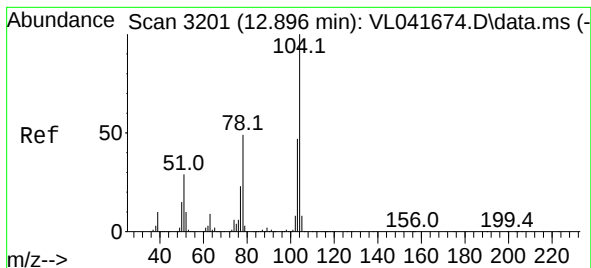
Tgt Ion: 91 Resp: 293793

Ion Ratio Lower Upper

91 100

106 46.7 23.2 69.6





#61

Styrene

Concen: 0.859 ppbv

RT: 12.892 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

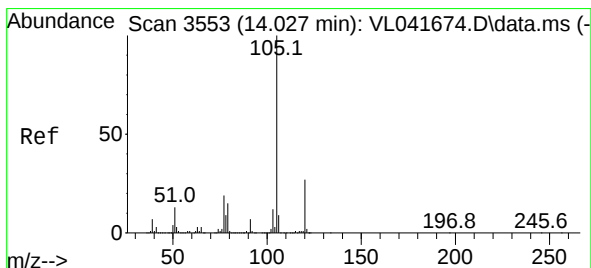
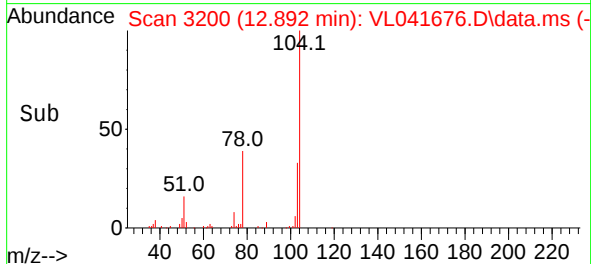
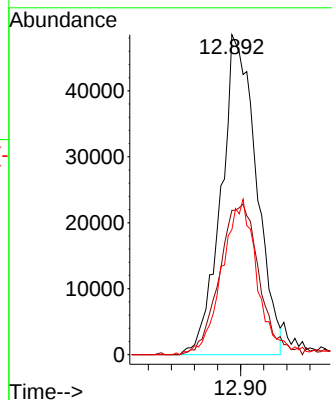
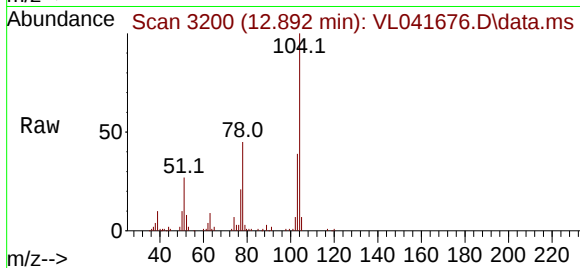
Tgt Ion:104 Resp: 102947

Ion Ratio Lower Upper

104 100

78 52.9 39.8 59.8

103 49.4 37.4 56.0



#62

Isopropylbenzene

Concen: 1.045 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.003 min

Lab File: VL041676.D

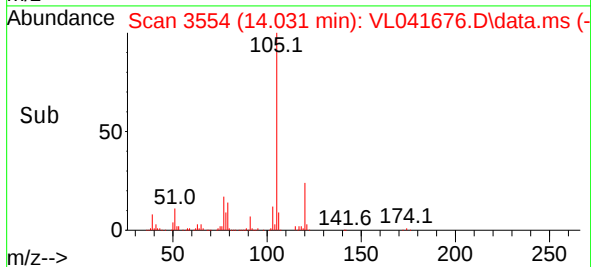
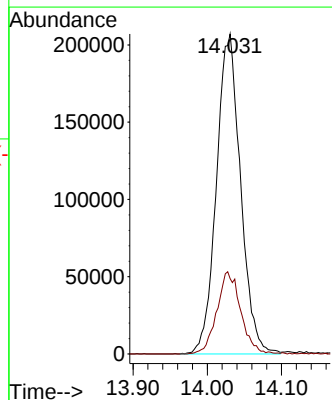
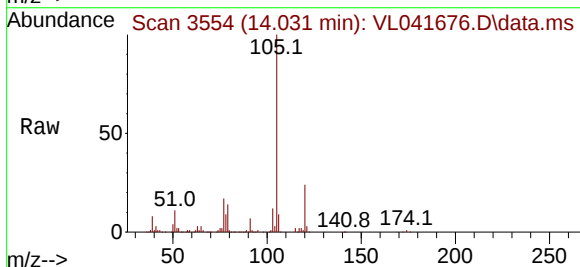
Acq: 7 Nov 2024 11:34

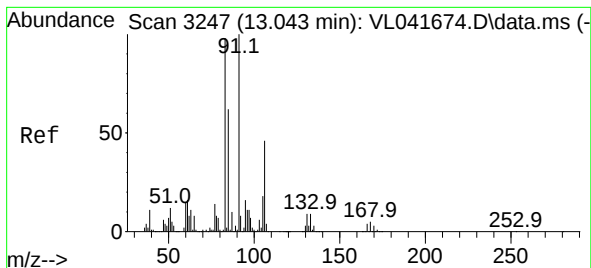
Tgt Ion:105 Resp: 468382

Ion Ratio Lower Upper

105 100

120 25.4 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 1.074 ppbv

RT: 13.047 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

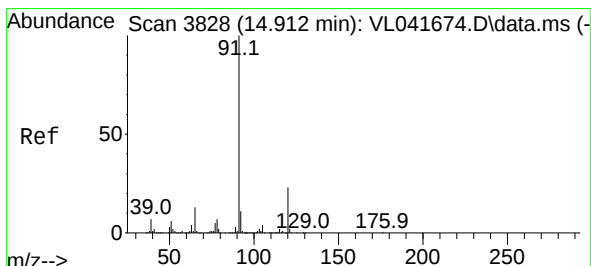
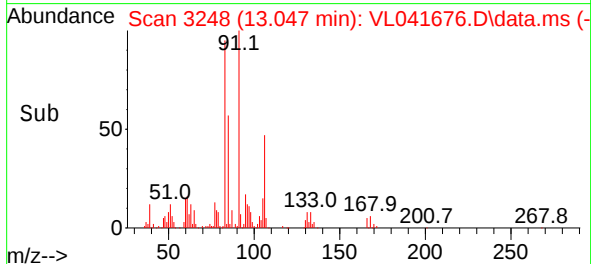
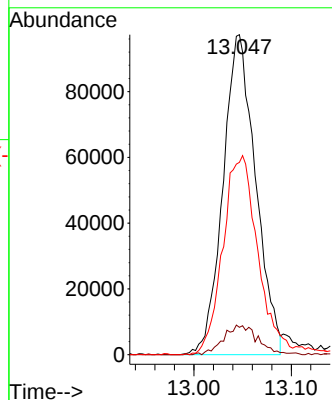
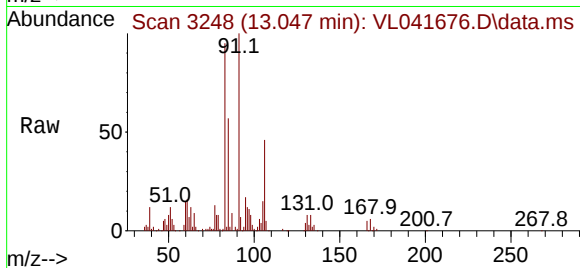
Tgt Ion: 83 Resp: 226867

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

85 68.1 32.6 98.0



#64

n-propylbenzene

Concen: 0.987 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. 0.003 min

Lab File: VL041676.D

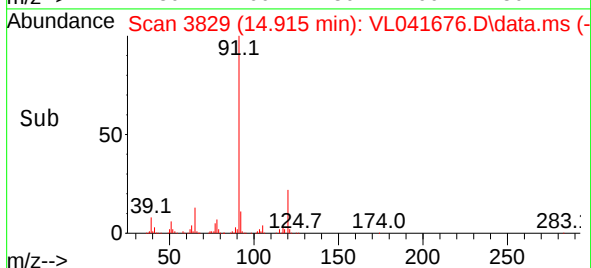
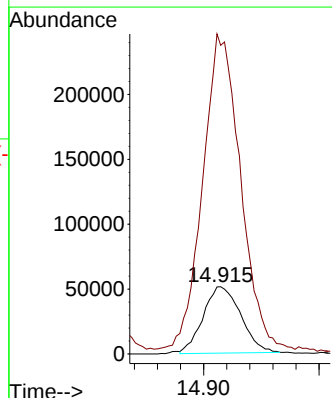
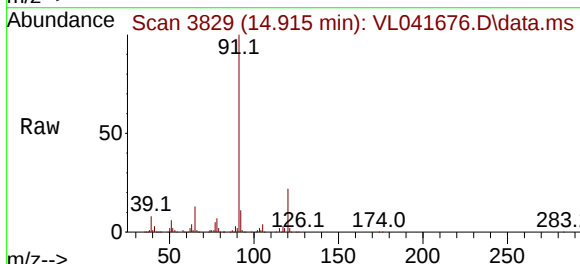
Acq: 7 Nov 2024 11:34

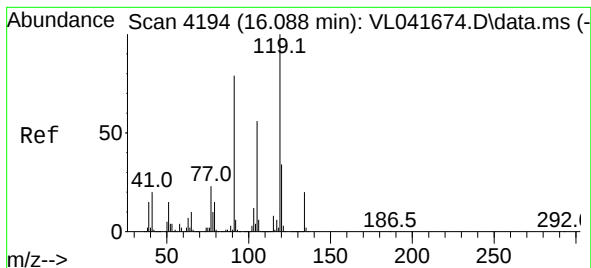
Tgt Ion:120 Resp: 115677

Ion Ratio Lower Upper

120 100

91 500.0 362.4 543.6

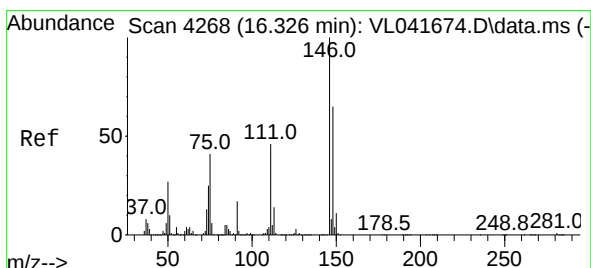
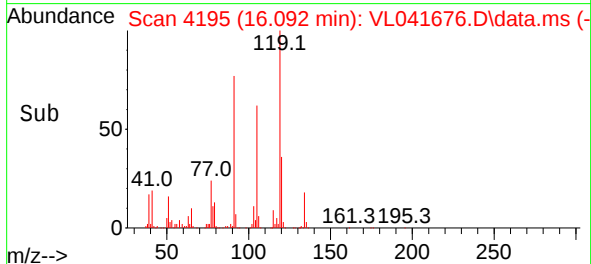
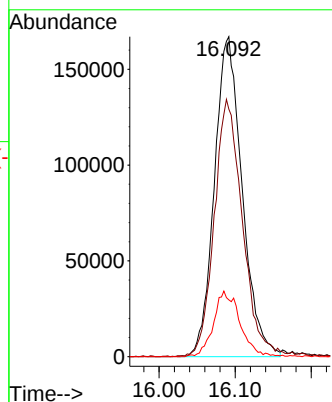
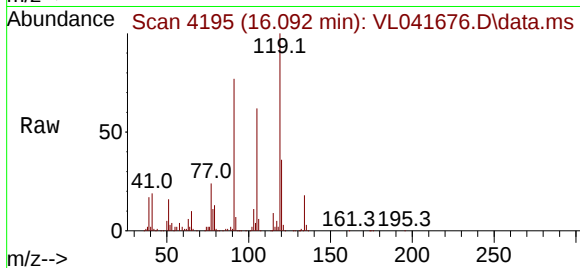




#65
tert-Butylbenzene
Concen: 1.053 ppbv
RT: 16.092 min Scan# 4195
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

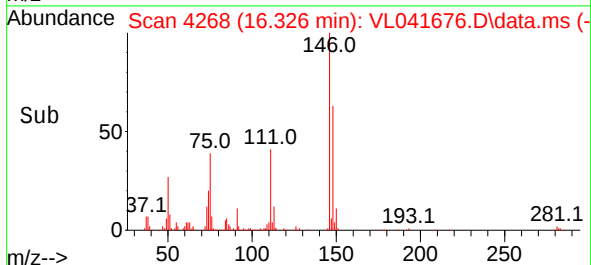
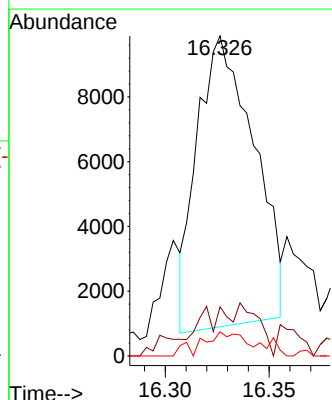
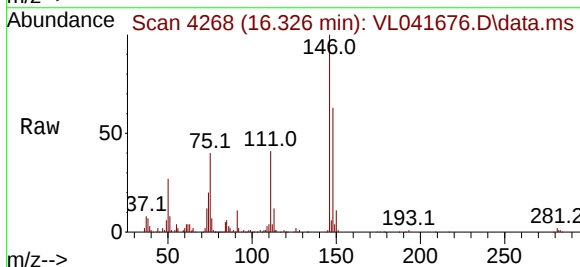
Instrument :
MSVOA_L
ClientSampleId :

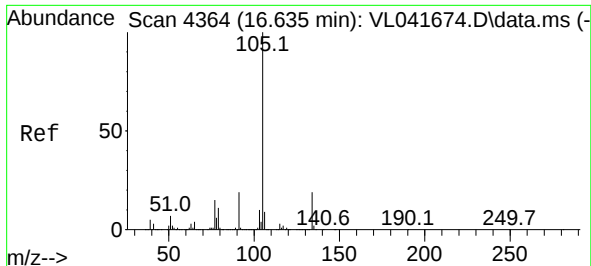
Tgt Ion:119 Resp: 424019
Ion Ratio Lower Upper
119 100
91 82.6 64.3 96.5
134 19.6 15.8 23.8



#66
Benzyl Chloride
Concen: 0.588 ppbv
RT: 16.326 min Scan# 4268
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 91 Resp: 17066
Ion Ratio Lower Upper
91 100
126 27.5 13.8 20.6#
128 7.8 4.3 6.5#





#67

sec-Butylbenzene

Concen: 1.051 ppbv

RT: 16.638 min Scan# 4364

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

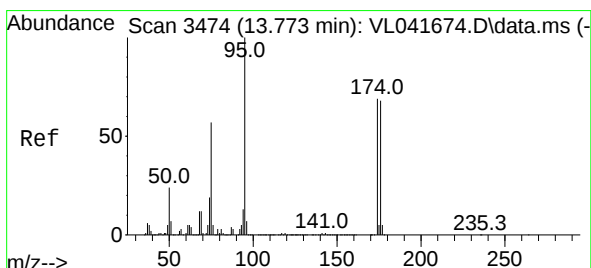
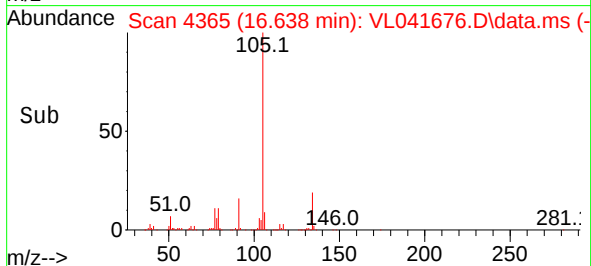
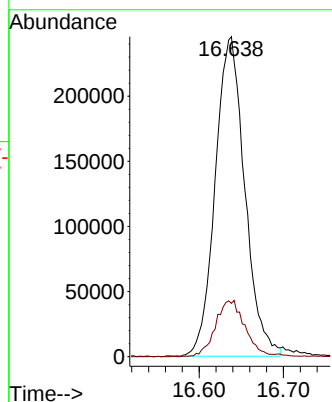
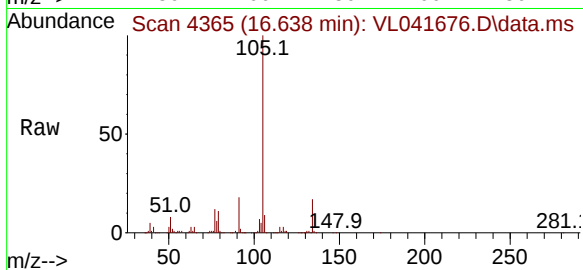
ClientSampleId :

Tgt Ion:105 Resp: 596449

Ion Ratio Lower Upper

105 100

134 18.0 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.073 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

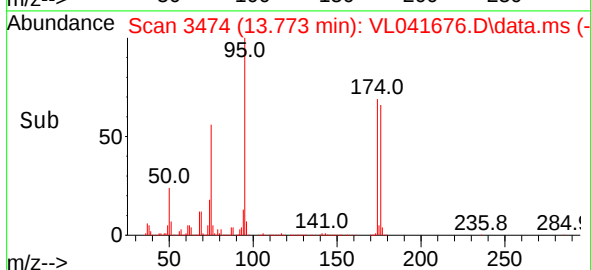
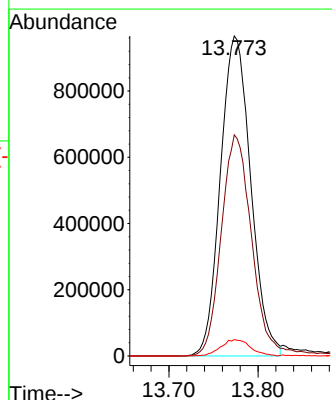
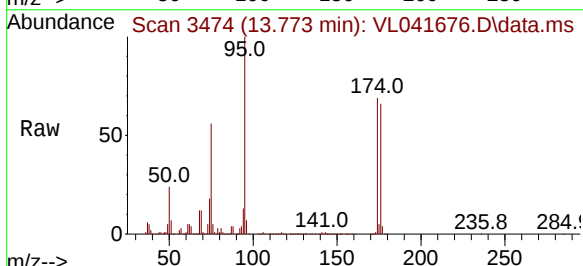
Tgt Ion: 95 Resp: 2285234

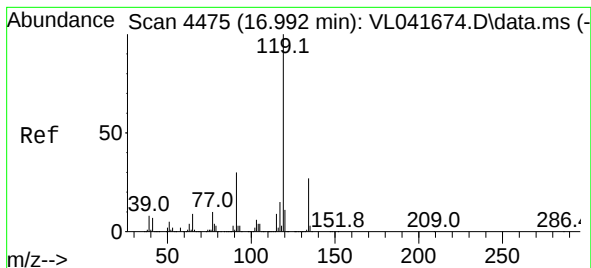
Ion Ratio Lower Upper

95 100

174 70.7 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 1.048 ppbv

RT: 16.998 min Scan# 4475

Delta R.T. 0.007 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

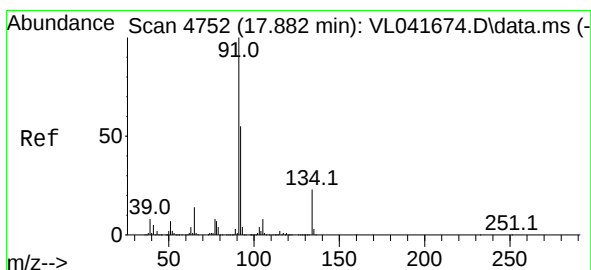
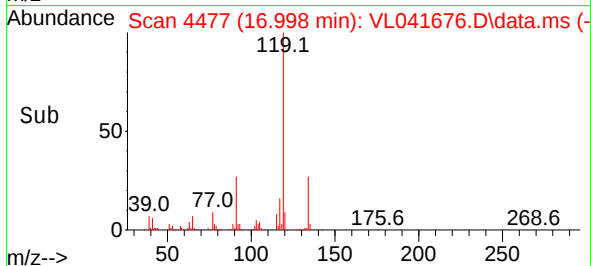
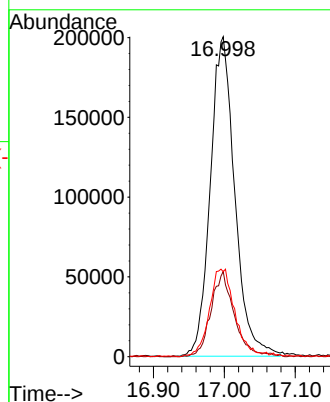
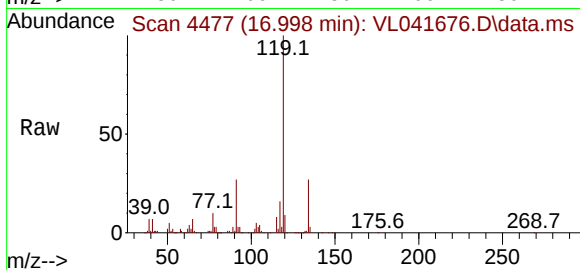
Tgt Ion:119 Resp: 480893

Ion Ratio Lower Upper

119 100

134 25.5 20.8 31.2

91 29.1 23.2 34.8



#70

n-Butylbenzene

Concen: 1.030 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. 0.007 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

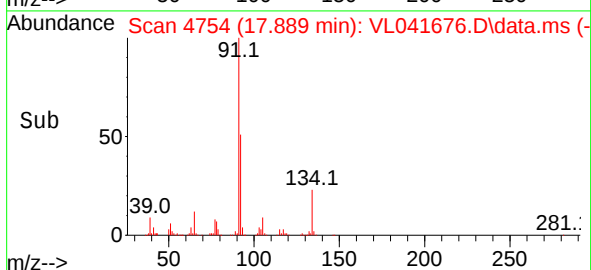
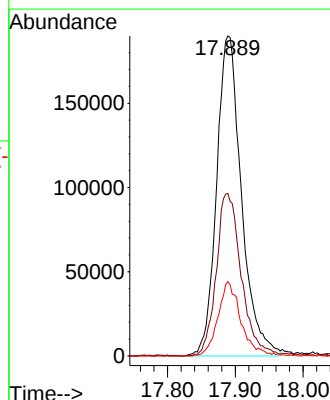
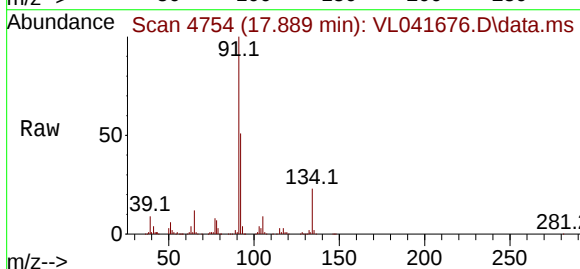
Tgt Ion: 91 Resp: 484367

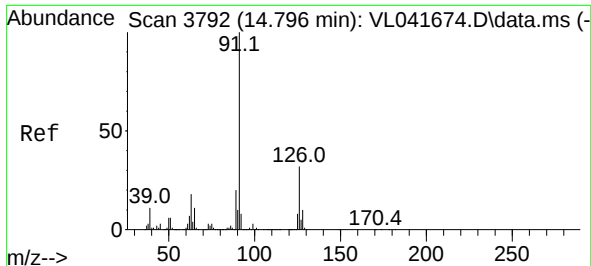
Ion Ratio Lower Upper

91 100

92 51.6 43.3 64.9

134 21.5 18.4 27.6

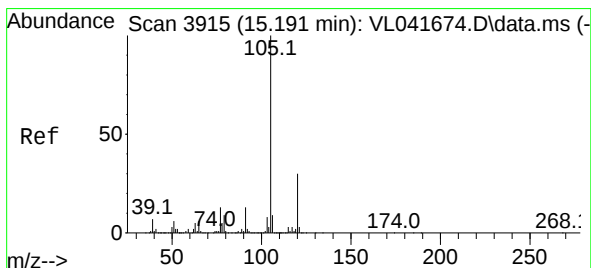
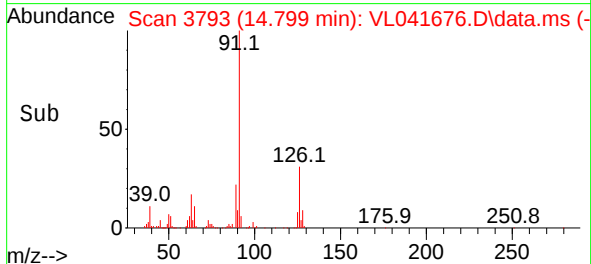
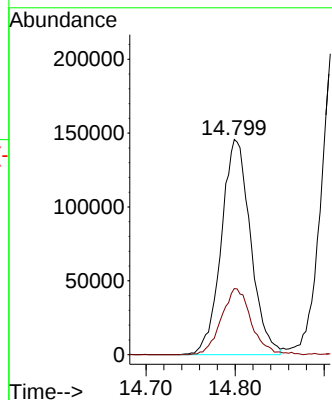
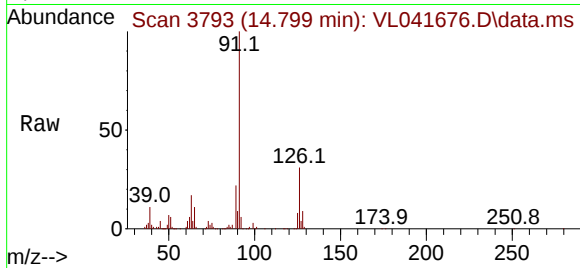




#71
2-Chlorotoluene
Concen: 1.024 ppbv
RT: 14.799 min Scan# 3792
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

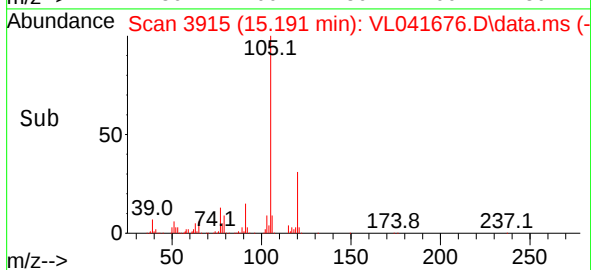
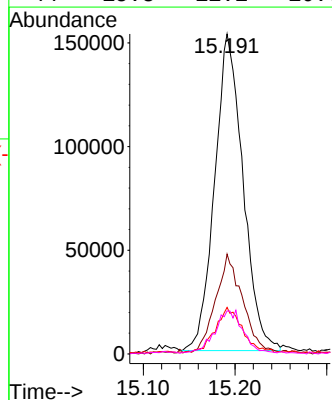
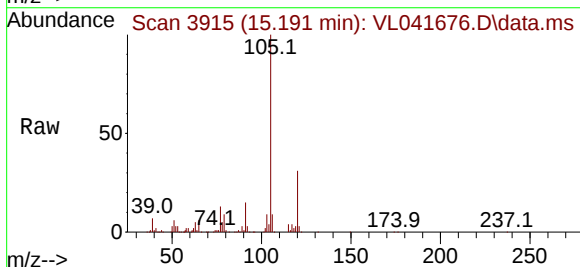
Instrument :
MSVOA_L
ClientSampleId :

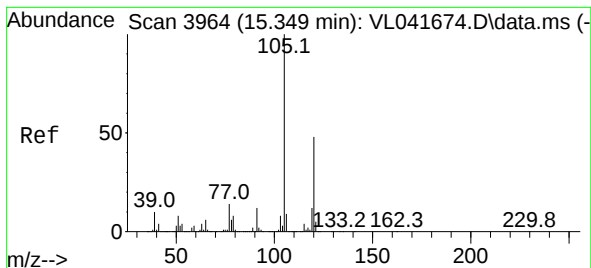
Tgt Ion: 91 Resp: 331921
Ion Ratio Lower Upper
91 100
126 31.5 12.8 51.0



#72
4-Ethyltoluene
Concen: 0.972 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion:105 Resp: 327541
Ion Ratio Lower Upper
105 100
120 32.3 25.0 37.4
91 13.6 10.6 15.8
77 15.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.982 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

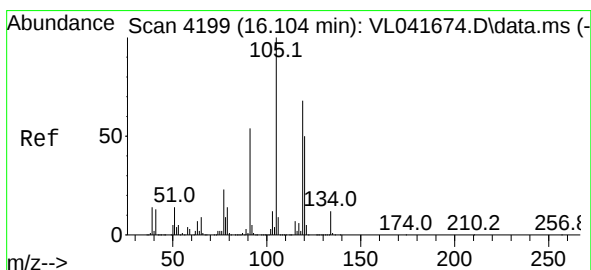
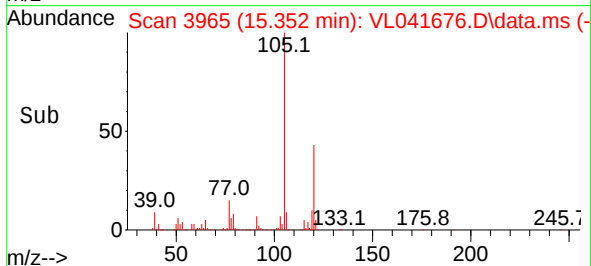
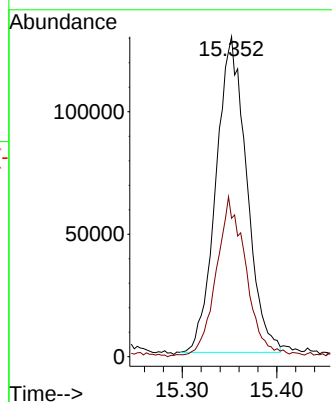
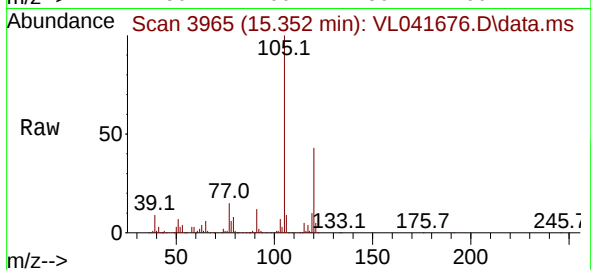
ClientSampleId :

Tgt Ion:105 Resp: 290287

Ion Ratio Lower Upper

105 100

120 43.2 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 1.047 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.007 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion:105 Resp: 360083

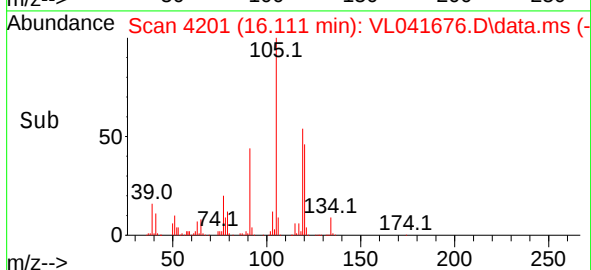
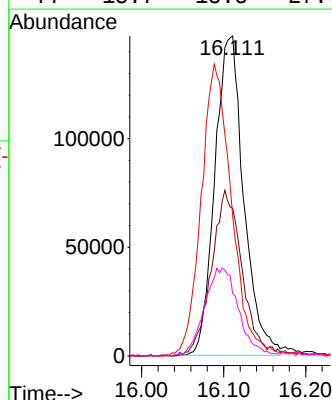
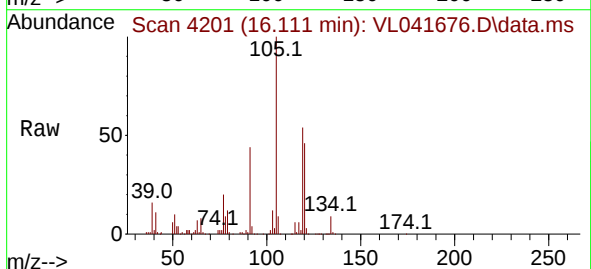
Ion Ratio Lower Upper

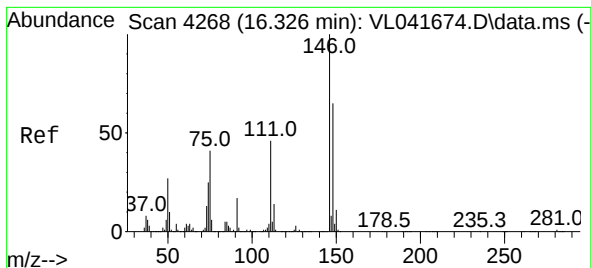
105 100

120 45.1 39.8 59.8

91 42.7 43.2 64.8#

77 18.7 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 1.028 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

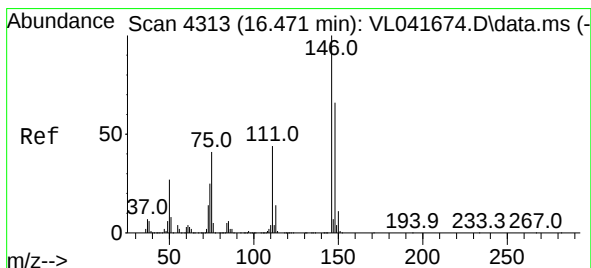
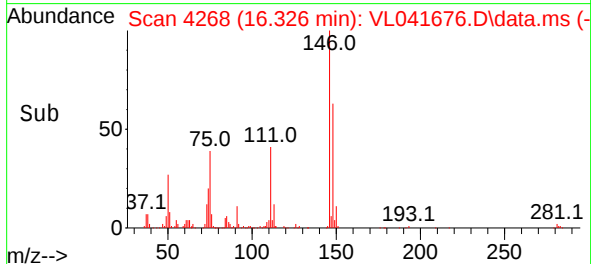
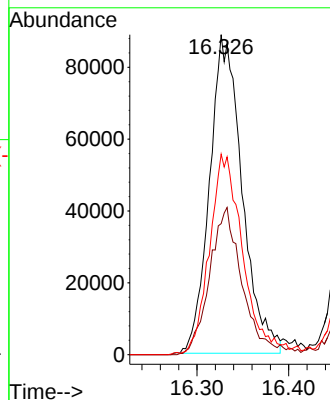
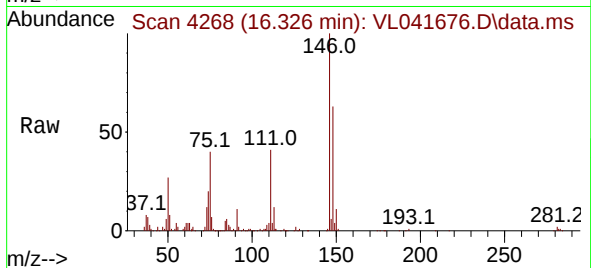
Tgt Ion:146 Resp: 218228

Ion Ratio Lower Upper

146 100

111 46.5 22.8 68.3

148 65.1 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 0.973 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

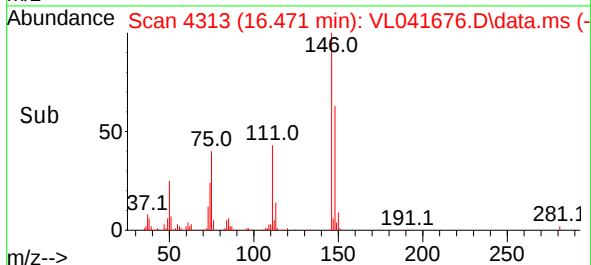
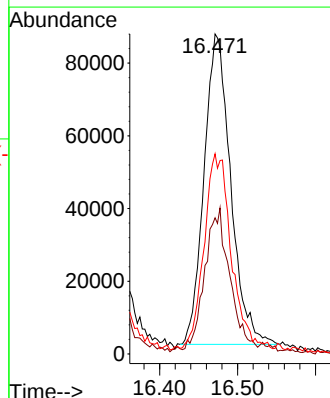
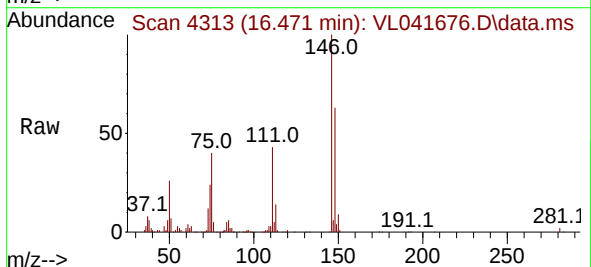
Tgt Ion:146 Resp: 203100

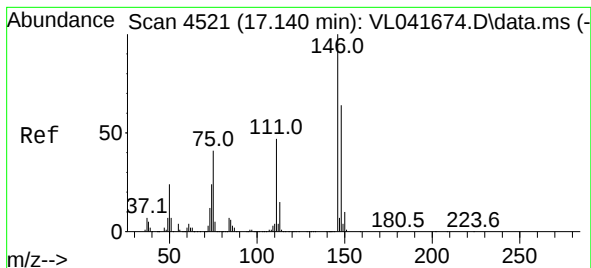
Ion Ratio Lower Upper

146 100

111 48.9 22.1 66.3

148 69.1 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 1.050 ppbv

RT: 17.143 min Scan# 4521

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

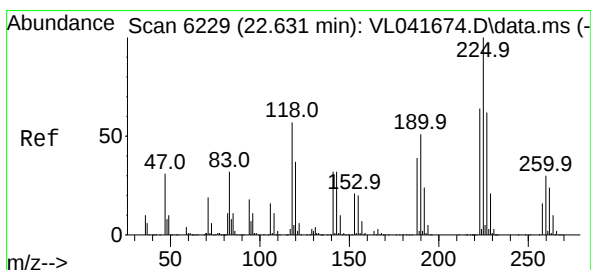
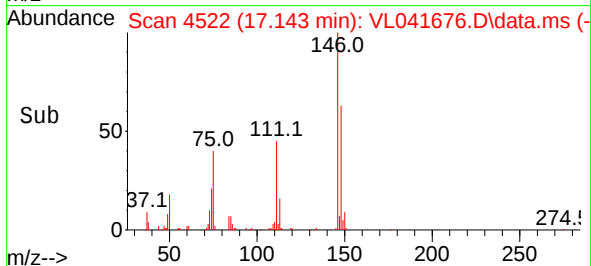
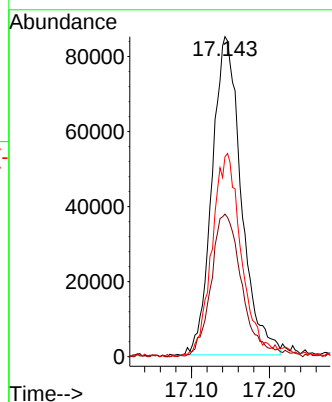
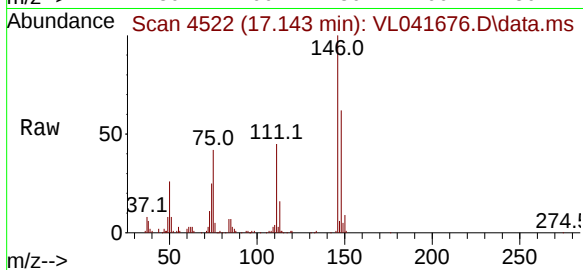
Tgt Ion:146 Resp: 221404

Ion Ratio Lower Upper

146 100

111 48.3 23.4 70.3

148 66.2 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 0.600 ppbv

RT: 22.632 min Scan# 6229

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

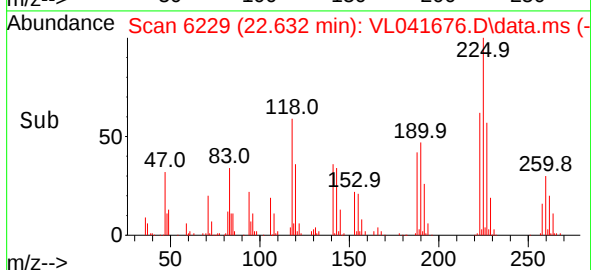
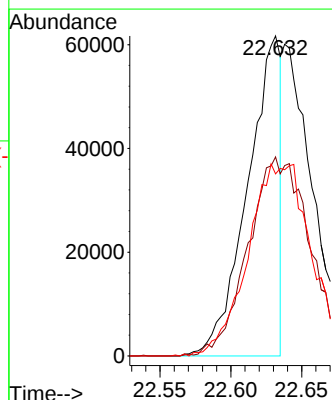
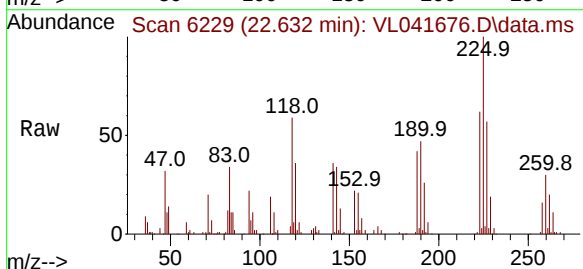
Tgt Ion:225 Resp: 100082

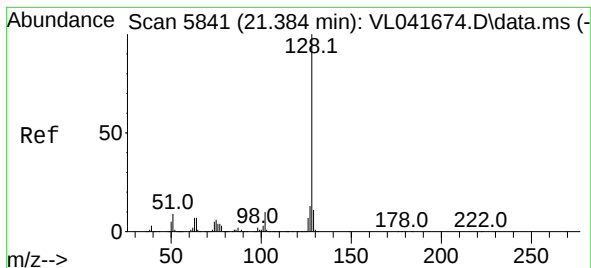
Ion Ratio Lower Upper

225 100

223 120.0 51.1 76.7#

227 118.1 51.3 76.9#





#79

Naphthalene

Concen: 0.344 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

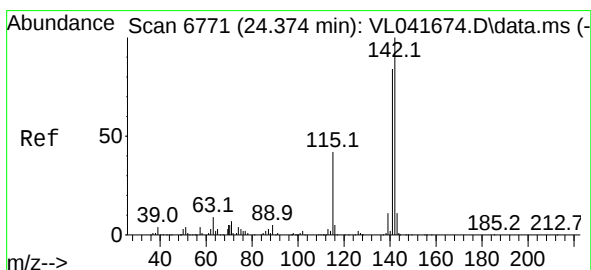
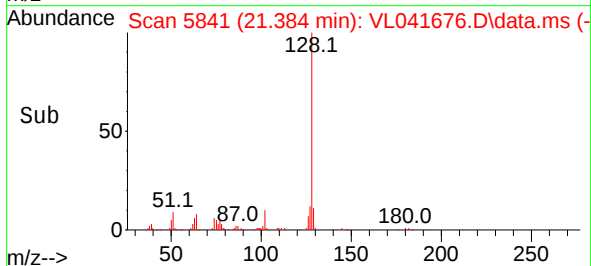
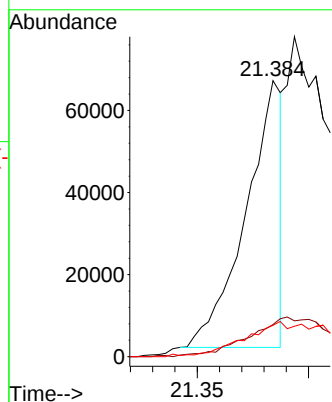
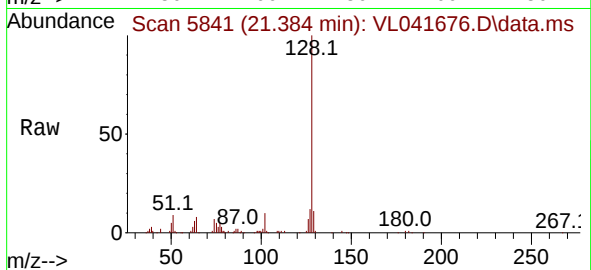
Tgt Ion:128 Resp: 72664

Ion Ratio Lower Upper

128 100

127 11.5 10.5 15.7

129 11.4 8.7 13.1



#80

Naphthalene, 2-methyl-

Concen: 0.777 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

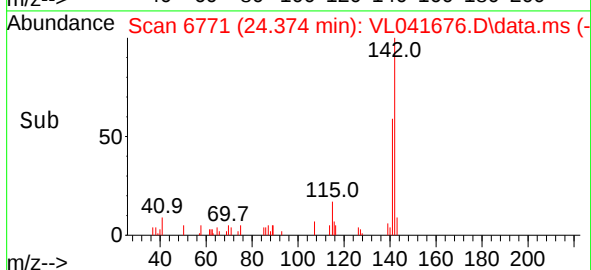
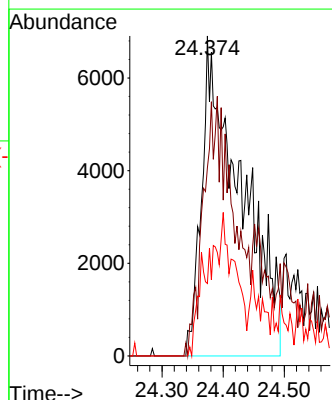
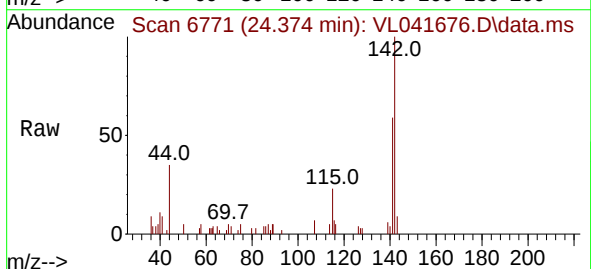
Tgt Ion:142 Resp: 30468

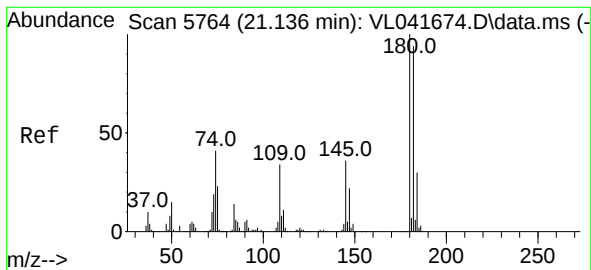
Ion Ratio Lower Upper

142 100

141 62.5 68.1 102.1#

115 41.5 33.1 49.7





#81

1,2,4-Trichlorobenzene

Concen: 0.613 ppbv

RT: 21.146 min Scan# 5

Delta R.T. 0.010 min

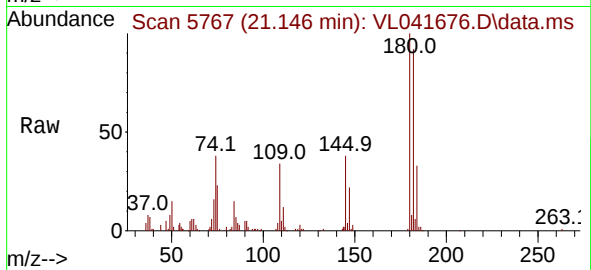
Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 80566

Ion Ratio Lower Upper

180 100

182 160.7 78.2 117.2#

184 52.7 25.0 37.4#

