

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041768.D
 Acq On : 17 Dec 2024 00:57
 Operator : SY/MD
 Sample : VL1216ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 20 03:23:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	58416	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	154779	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	137648	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	116882	10.190	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	113386	10.908	ppbv	97
3) Chlorodifluoromethane	1.476	51	93964	9.863	ppbv	97
4) Chloromethane	1.535	50	41734	10.262	ppbv	99
5) Vinyl Chloride	1.580	62	40647	9.920	ppbv	97
6) Bromomethane	1.671	94	19116	9.886	ppbv	100
7) Chloroethane	1.706	64	16313	10.249	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	97277	10.456	ppbv	98
9) Propene	1.486	41	34797	8.427	ppbv	96
10) Heptane	4.991	43	98111	9.250	ppbv	98
11) Trichlorofluoromethane	1.881	101	118885	10.768	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	87265	10.392	ppbv	97
13) Ethanol	1.722	45	2247	6.572	ppbv	87
14) Bromoethene	1.784	108	29223	10.308	ppbv	98
15) Acetone	1.836	43	94015	8.272	ppbv	98
16) 1,3-Butadiene	1.612	39	46514	10.393	ppbv	93
17) tert-Butyl alcohol	2.043	59	117014	10.378	ppbv	100
18) 1,1-Dichloroethene	2.036	96	36254	10.298	ppbv	96
19) Isopropyl Alcohol	1.888	45	49670	7.283	ppbv	95
20) Methylene Chloride	2.066	84	32089	9.901	ppbv	94
21) Allyl Chloride	2.098	41	62461	10.133	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	40028	9.933	ppbv	96
23) Vinyl Acetate	2.467	43	40845	7.740	ppbv	99
24) 1,1-Dichloroethane	2.412	63	83517	10.238	ppbv	99
25) Ethyl Acetate	2.839	43	204633	9.678	ppbv	99
26) Hexane	2.829	57	77041	9.601	ppbv	98
27) Carbon Disulfide	2.153	76	71423	9.878	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	61198	9.401	ppbv	100
29) Chloroform	2.852	83	126786	10.368	ppbv	100
30) Cyclohexane	3.865	84	64996	9.520	ppbv	99
31) cis-1,2-Dichloroethene	2.726	61	81514	9.831	ppbv	100
32) 1,1,1-Trichloroethane	3.376	97	128623	10.347	ppbv	99
34) 2-Butanone	2.561	43	118757	9.537	ppbv	99
35) Carbon Tetrachloride	3.771	117	127059	11.564	ppbv	98
36) Benzene	3.664	78	155172	9.692	ppbv	98
37) 1,2-Dichloroethane	3.224	62	105933	10.633	ppbv	100
38) Trichloroethene	4.554	130	61730	9.083	ppbv	94
39) 1,2-Dichloropropane	4.321	63	55187	9.531	ppbv	98
40) 1,4-Dioxane	4.597	88	24077	8.512	ppbv #	95
41) Tetrahydrofuran	3.059	42	63737	9.137	ppbv	97
42) Bromodichloromethane	4.499	83	122435	10.683	ppbv	95
43) Methyl Methacrylate	4.888	69	60160	9.862	ppbv	100
44) 2,2,4-Trimethylpentane	4.652	57	266101	9.732	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	59837	9.483	ppbv	96

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 ALS Vial : 1 Sample Multiplier: 1

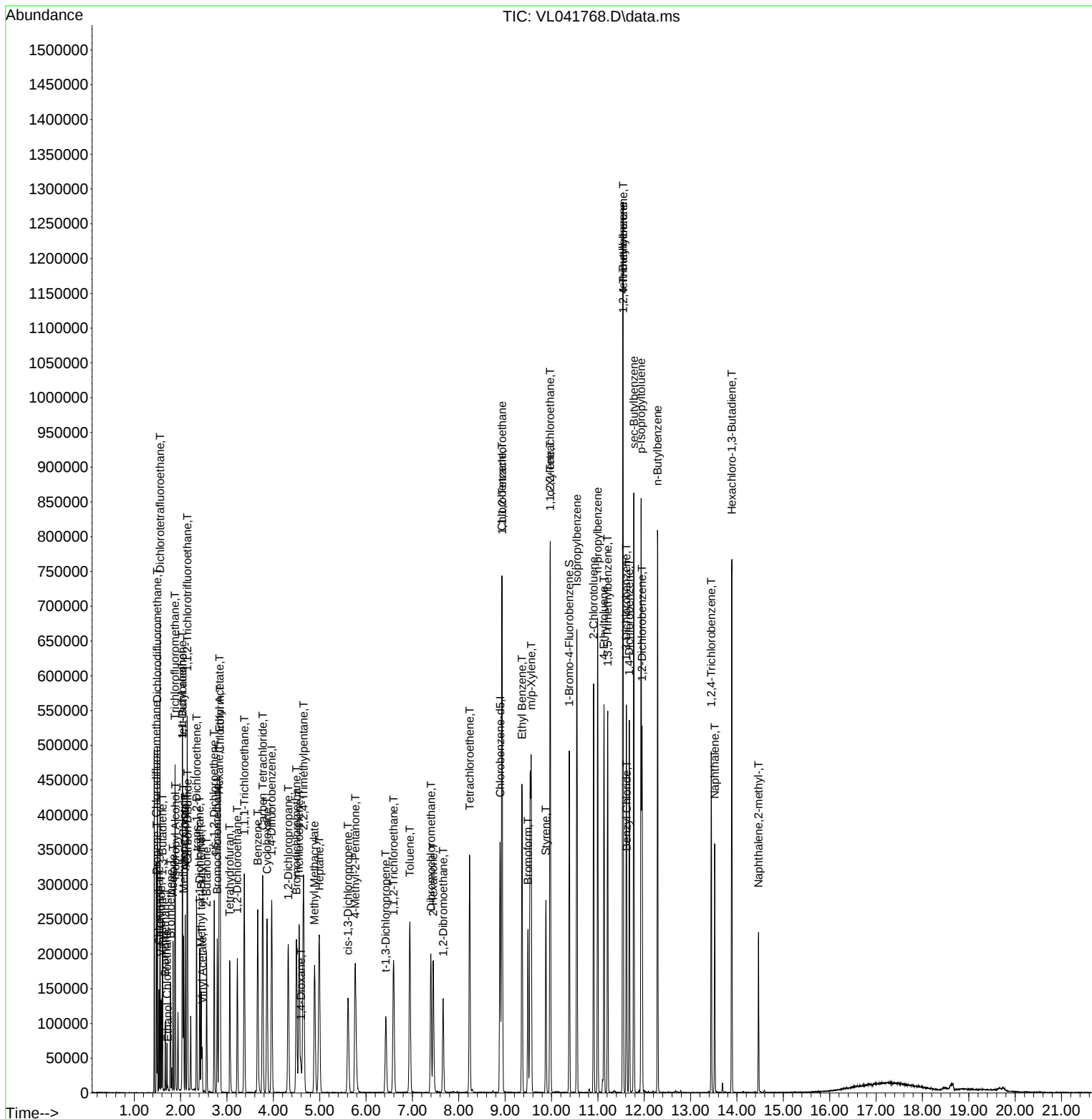
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 ClientSampleId :

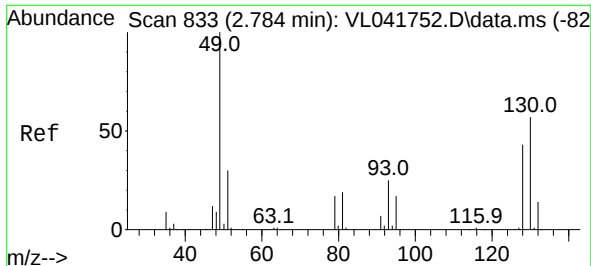
Quant Time: Dec 20 03:23:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.610	75	48171	6.014	ppbv	97
47) 1,1,2-Trichloroethane	6.594	97	59178	9.784	ppbv	95
48) Dibromochloromethane	7.399	129	88987	10.775	ppbv	98
49) Bromoform	9.494	173	70925	10.492	ppbv	99
50) 4-Methyl-2-Pentanone	5.768	43	162609	9.591	ppbv	100
51) 2-Hexanone	7.448	43	128365	9.341	ppbv #	99
52) Tetrachloroethene	8.235	164	52775	8.856	ppbv	96
53) Toluene	6.946	91	172200	9.487	ppbv	100
54) 1,2-Dibromoethane	7.665	107	80944	9.713	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.934	131	76261	10.451	ppbv	99
57) Chlorobenzene	8.930	112	134275	9.533	ppbv	97
58) Ethyl Benzene	9.364	91	245908	9.923	ppbv	99
59) m/p-Xylene	9.562	91	201782	10.127	ppbv #	100
60) o-Xylene	9.973	91	199635	9.991	ppbv	99
61) Styrene	9.879	104	88772	10.274	ppbv	97
62) Isopropylbenzene	10.549	105	298974	9.959	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	116651	9.326	ppbv	99
64) n-propylbenzene	10.995	120	72410	9.540	ppbv	99
65) tert-Butylbenzene	11.539	119	257953	9.524	ppbv	98
66) Benzyl Chloride	11.623	91	16248	6.810	ppbv	99
67) sec-Butylbenzene	11.775	105	357030	9.526	ppbv	100
69) p-Isopropyltoluene	11.934	119	289099	9.359	ppbv	99
70) n-Butylbenzene	12.287	91	274850	9.209	ppbv	99
71) 2-Chlorotoluene	10.908	91	215278	9.395	ppbv	99
72) 4-Ethyltoluene	11.131	105	226930	9.622	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	194190	9.924	ppbv	98
74) 1,2,4-Trimethylbenzene	11.546	105	205687	9.775	ppbv	97
75) 1,3-Dichlorobenzene	11.614	146	116440	8.679	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	113920	8.595	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	111014	8.600	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	71736	7.495	ppbv	99
79) Naphthalene	13.520	128	148712	10.143	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	56861	12.538	ppbv	98
81) 1,2,4-Trichlorobenzene	13.446	180	71501	8.924	ppbv	98

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

Quant Time: Dec 20 03:23:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
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QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

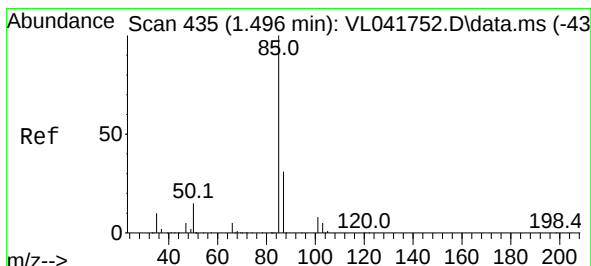
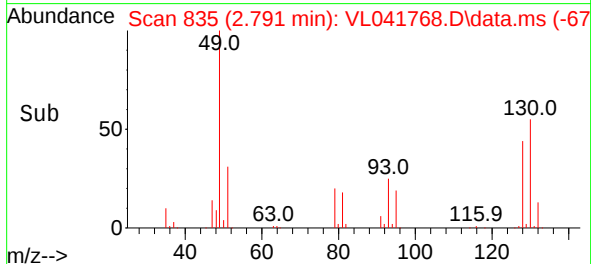
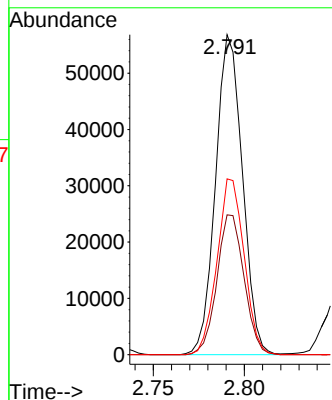
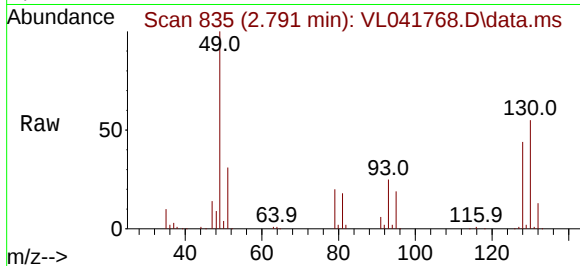




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 835
Delta R.T. 0.007 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

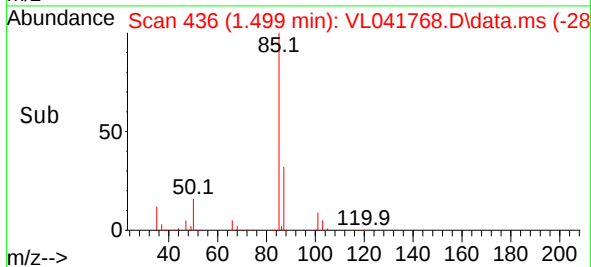
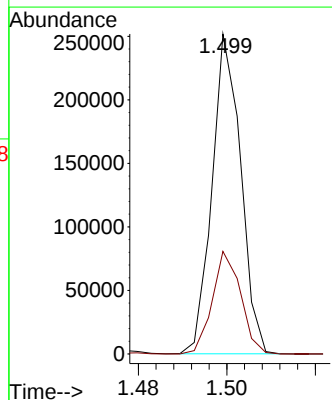
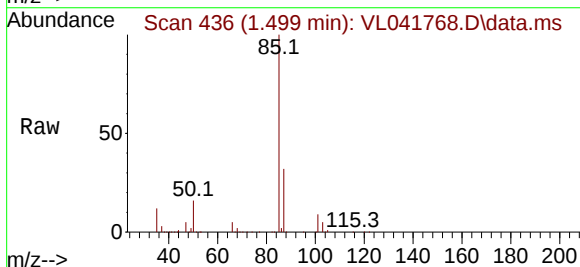
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MSVOA_L
ClientSampleId :

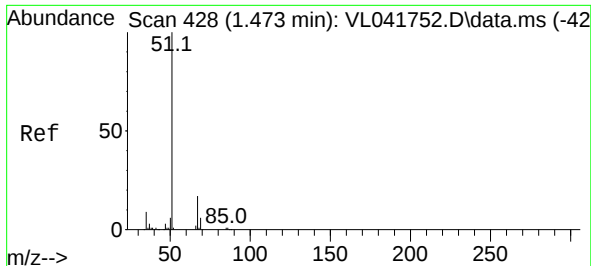
Tgt Ion: 49 Resp: 58416
Ion Ratio Lower Upper
49 100
128 44.0 21.6 64.6
130 55.3 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 10.908 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

Tgt Ion: 85 Resp: 113386
Ion Ratio Lower Upper
85 100
87 32.1 24.5 36.7

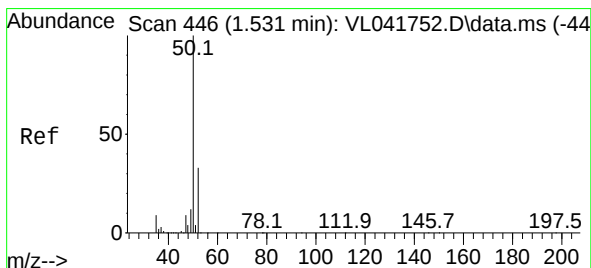
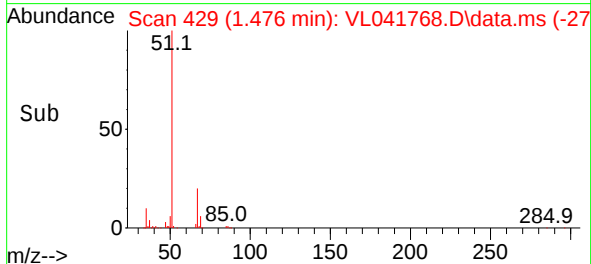
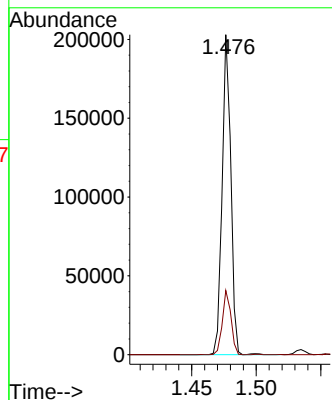
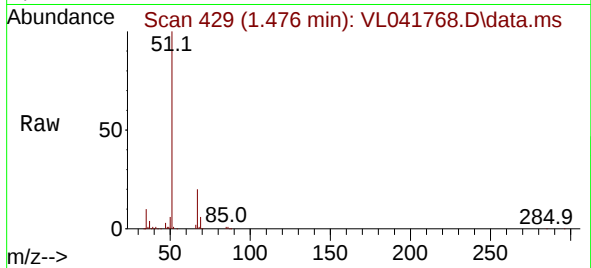




#3
Chlorodifluoromethane
Concen: 9.863 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

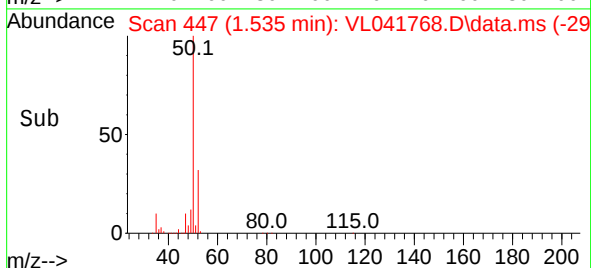
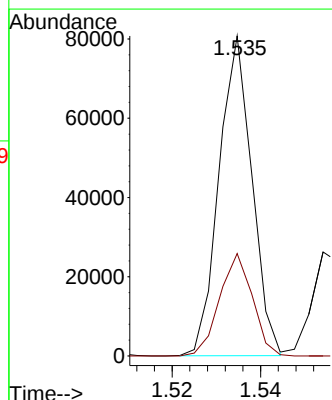
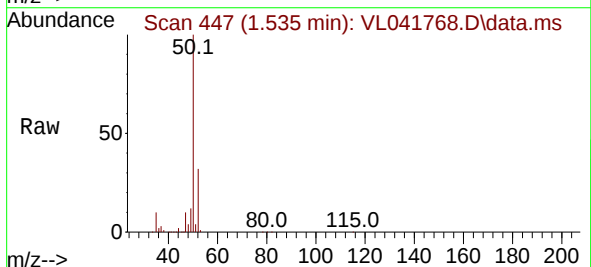
Instrument :
MSVOA_L
ClientSampleId :

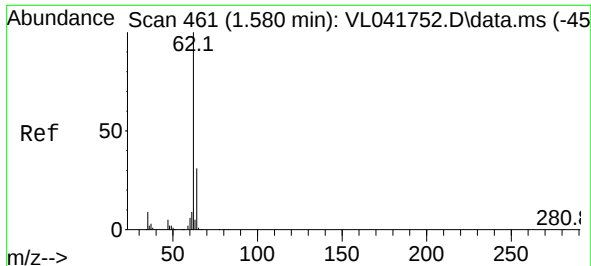
Tgt Ion: 51 Resp: 93964
Ion Ratio Lower Upper
51 100
67 20.0 15.0 22.4



#4
Chloromethane
Concen: 10.262 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

Tgt Ion: 50 Resp: 41734
Ion Ratio Lower Upper
50 100
52 32.0 26.2 39.2

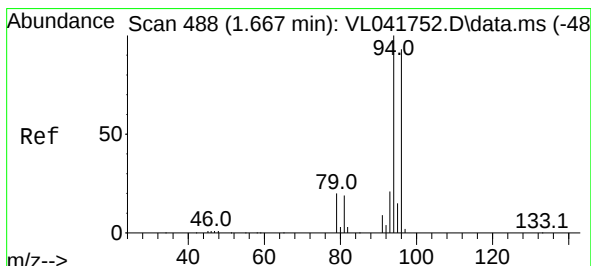
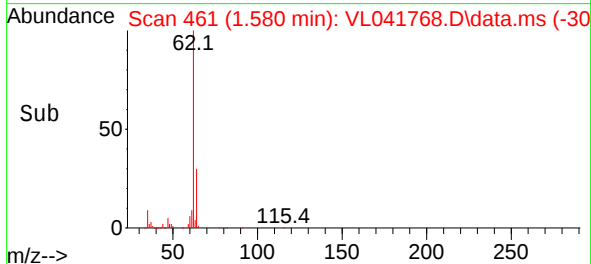
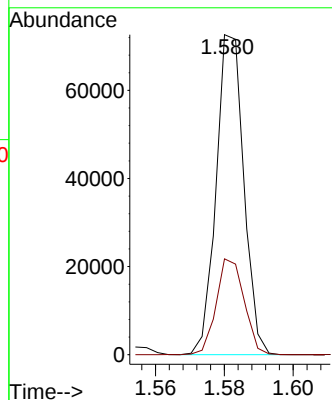
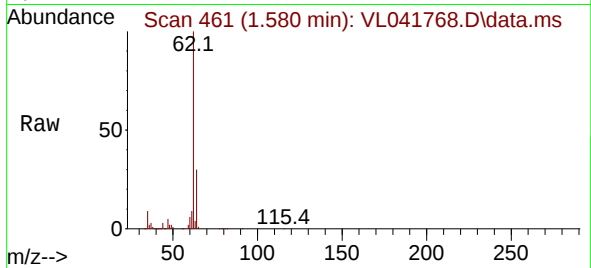




#5
 Vinyl Chloride
 Concen: 9.920 ppbv
 RT: 1.580 min Scan# 40647
 Delta R.T. 0.000 min
 Lab File: VL041768.D
 Acq: 17 Dec 2024 00:57

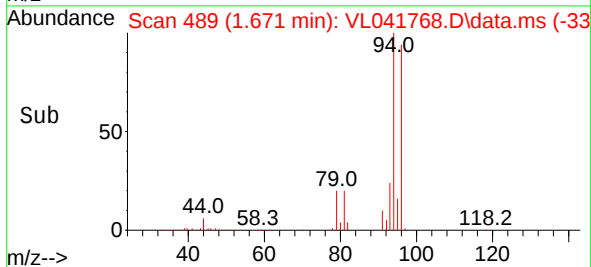
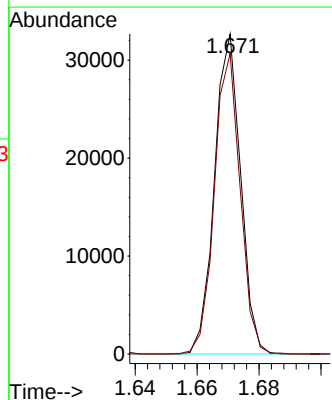
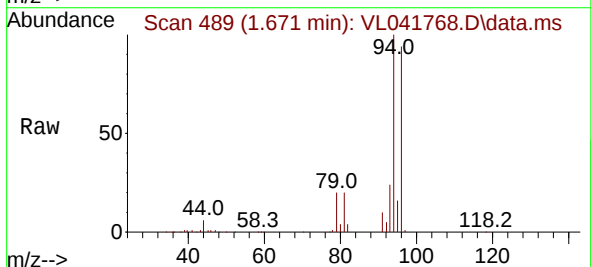
Instrument :
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 ClientSampleId :

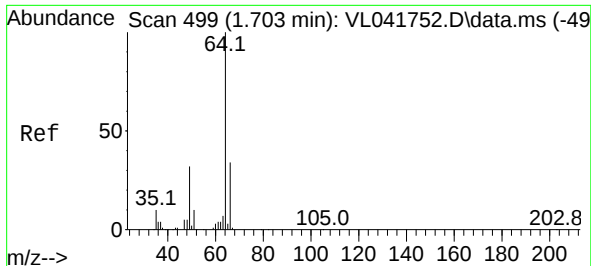
Tgt Ion: 62 Resp: 40647
 Ion Ratio Lower Upper
 62 100
 64 29.9 25.1 37.7



#6
 Bromomethane
 Concen: 9.886 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL041768.D
 Acq: 17 Dec 2024 00:57

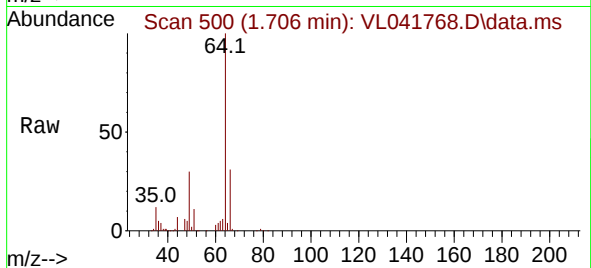
Tgt Ion: 94 Resp: 19116
 Ion Ratio Lower Upper
 94 100
 96 93.7 74.7 112.1



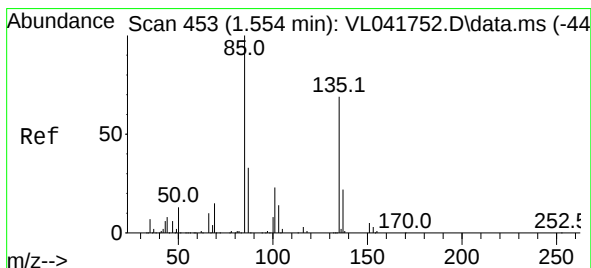
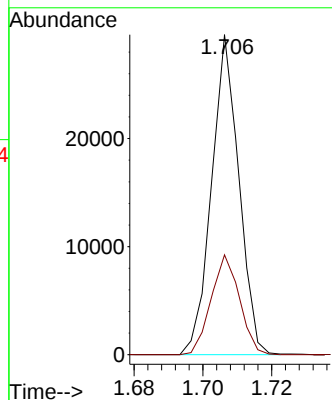
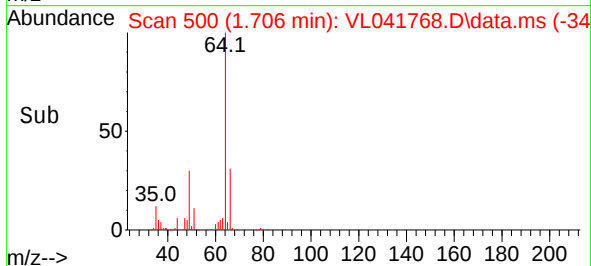


#7
Chloroethane
Concen: 10.249 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

Instrument :
MSVOA_L
ClientSampleId :

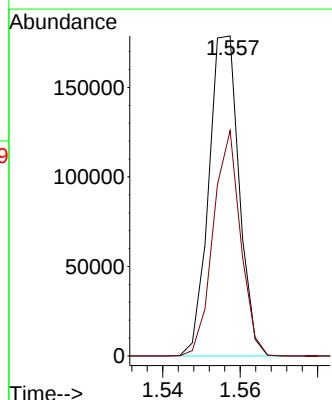
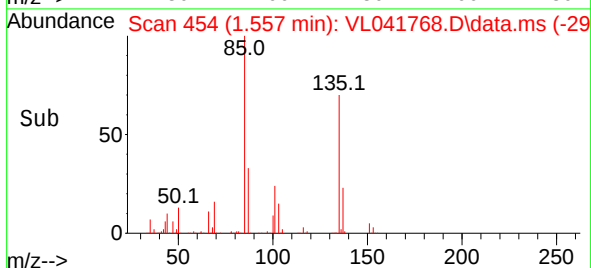
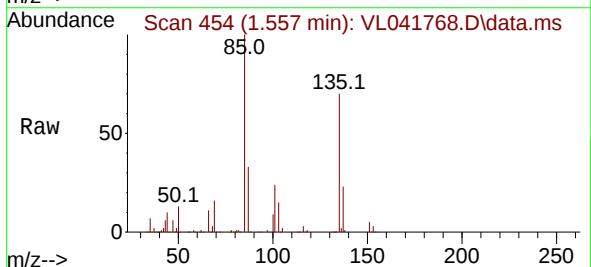


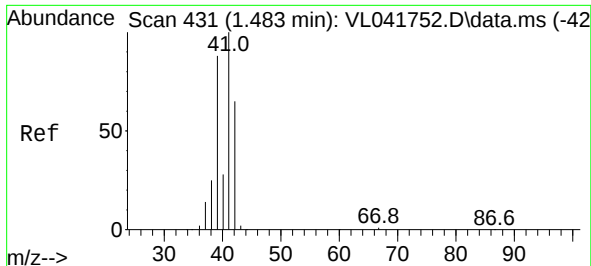
Tgt Ion: 64 Resp: 16313
Ion Ratio Lower Upper
64 100
66 31.2 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 10.456 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

Tgt Ion: 85 Resp: 97277
Ion Ratio Lower Upper
85 100
135 63.3 51.9 77.9





#9

Propene

Concen: 8.427 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

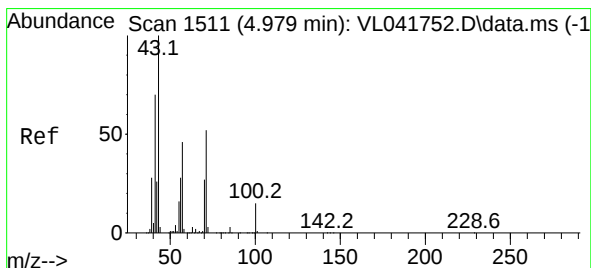
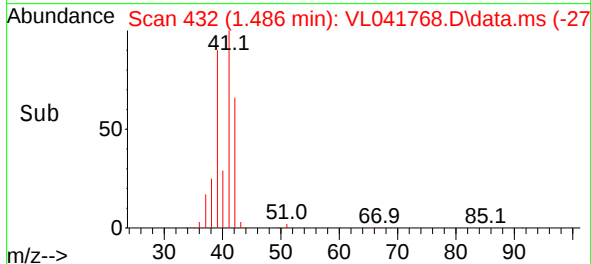
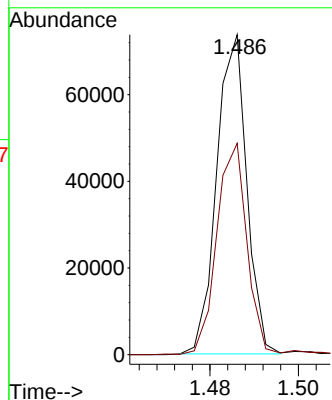
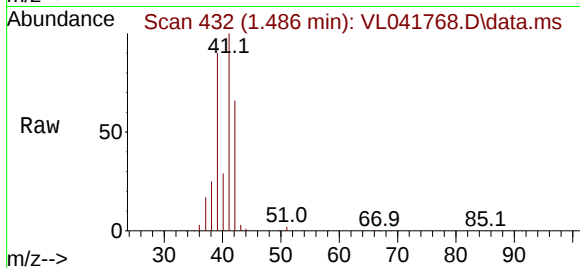
ClientSampleId :

Tgt Ion: 41 Resp: 34797

Ion Ratio Lower Upper

41 100

42 68.3 52.4 78.6



#10

Heptane

Concen: 9.250 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.013 min

Lab File: VL041768.D

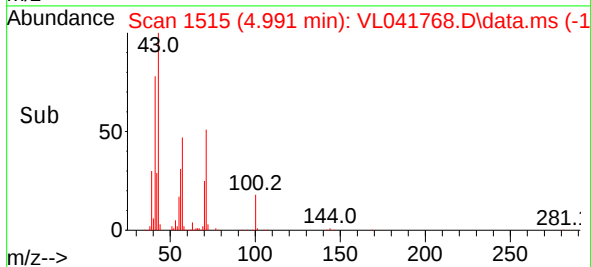
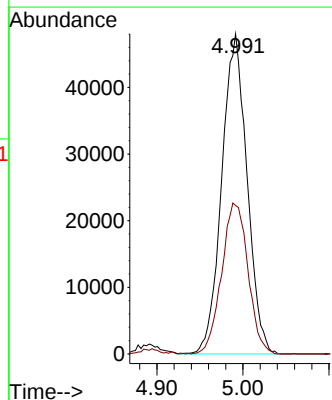
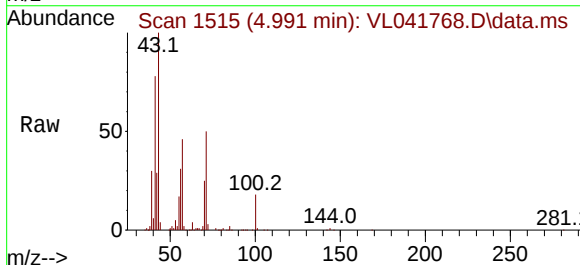
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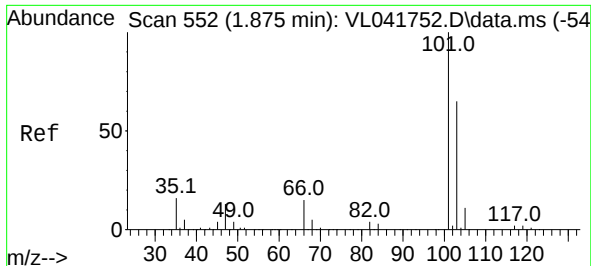
Tgt Ion: 43 Resp: 98111

Ion Ratio Lower Upper

43 100

57 49.2 38.5 57.7





#11

Trichlorofluoromethane

Concen: 10.768 ppbv

RT: 1.881 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

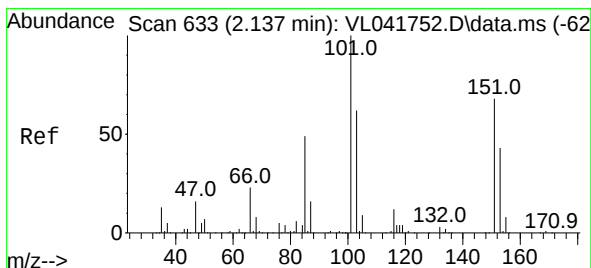
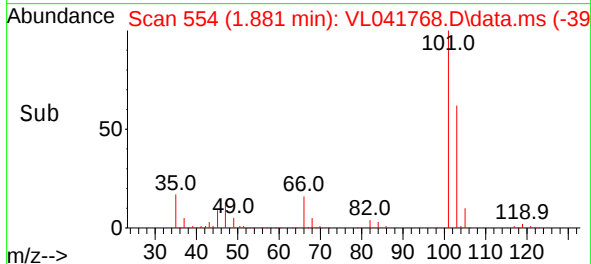
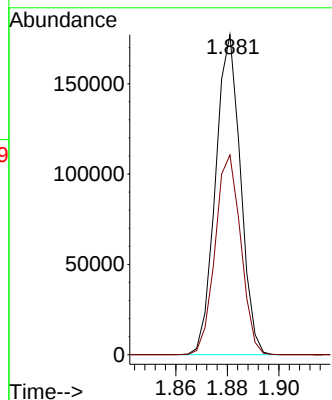
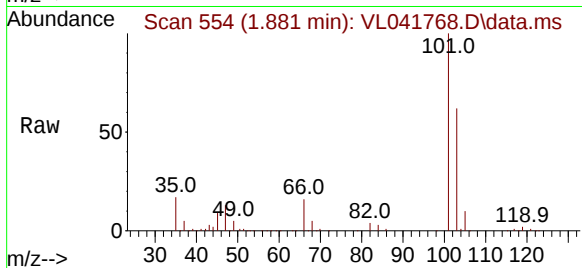
ClientSampleId :

Tgt Ion:101 Resp: 118885

Ion Ratio Lower Upper

101 100

103 62.4 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.392 ppbv

RT: 2.143 min Scan# 635

Delta R.T. 0.006 min

Lab File: VL041768.D

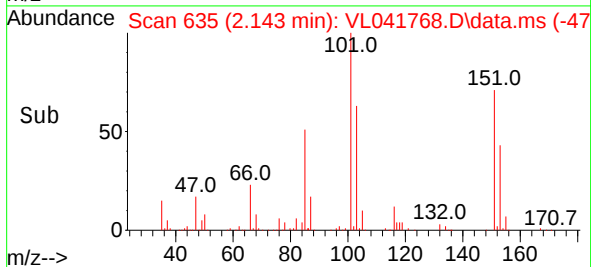
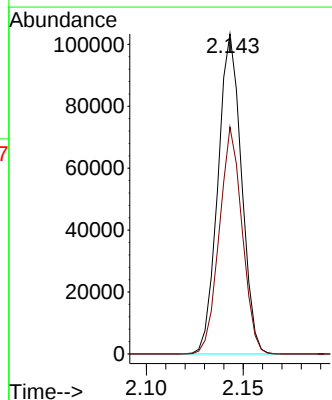
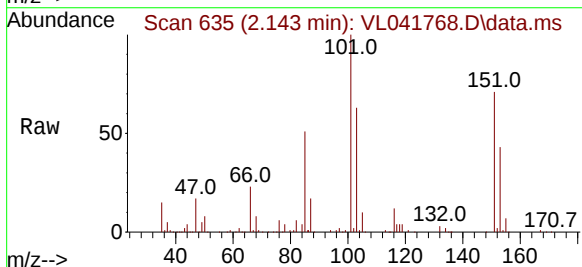
Acq: 17 Dec 2024 00:57

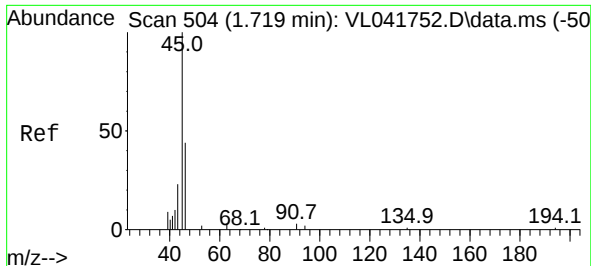
Tgt Ion:101 Resp: 87265

Ion Ratio Lower Upper

101 100

151 68.6 56.8 85.2





#13

Ethanol

Concen: 6.572 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

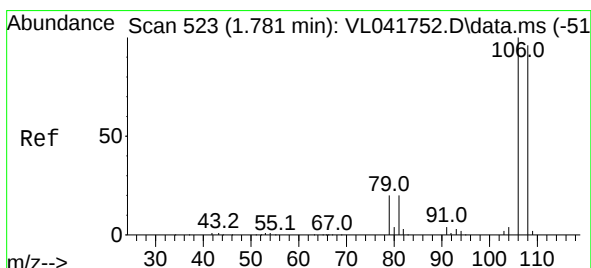
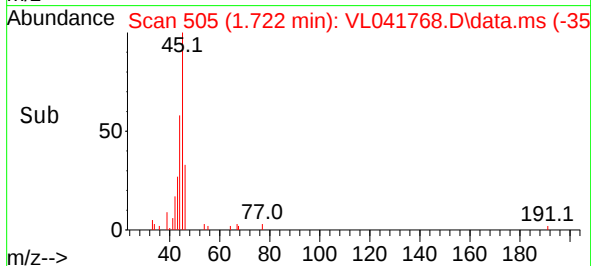
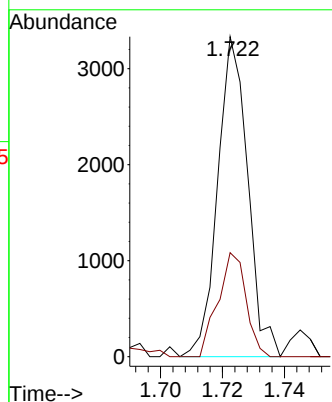
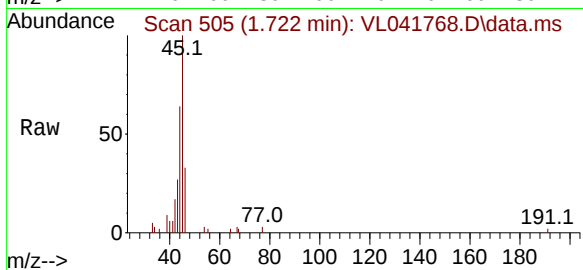
ClientSampleId :

Tgt Ion: 45 Resp: 2247

Ion Ratio Lower Upper

45 100

46 32.8 16.4 65.8



#14

Bromoethene

Concen: 10.308 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

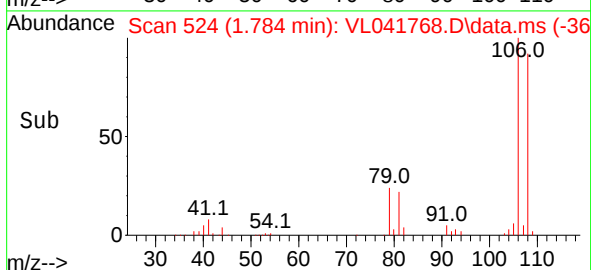
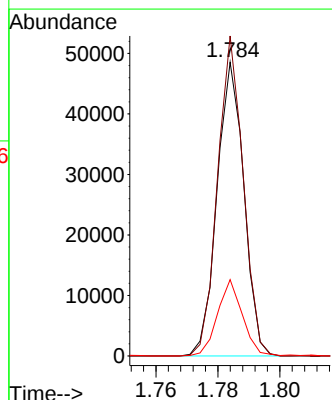
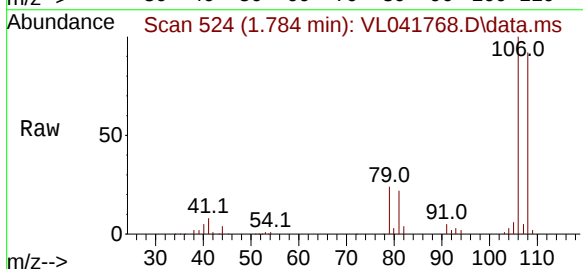
Tgt Ion: 108 Resp: 29223

Ion Ratio Lower Upper

108 100

106 103.8 84.1 126.1

79 24.4 17.4 26.0





#15

Acetone

Concen: 8.272 ppbv

RT: 1.836 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

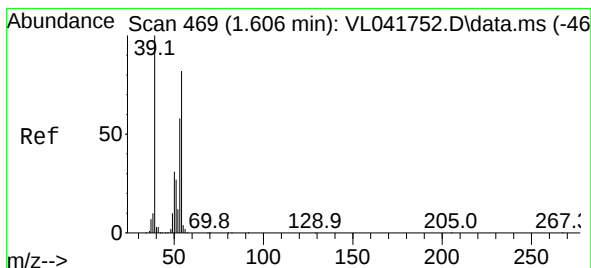
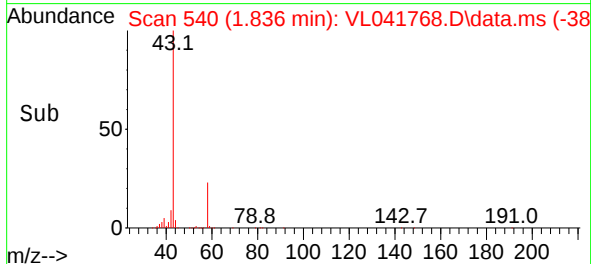
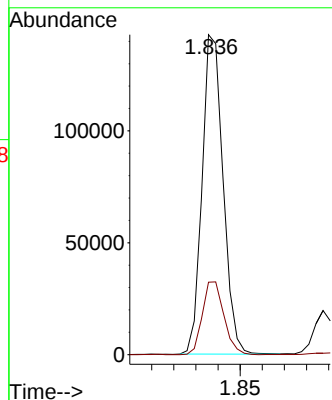
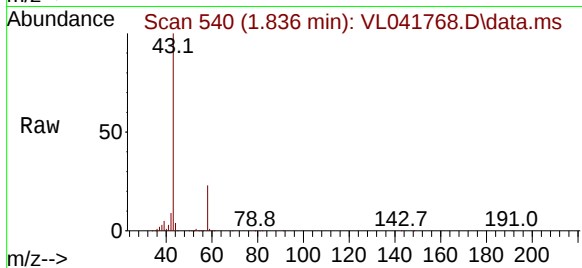
ClientSampleId :

Tgt Ion: 43 Resp: 94015

Ion Ratio Lower Upper

43 100

58 23.5 19.7 29.5



#16

1,3-Butadiene

Concen: 10.393 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.006 min

Lab File: VL041768.D

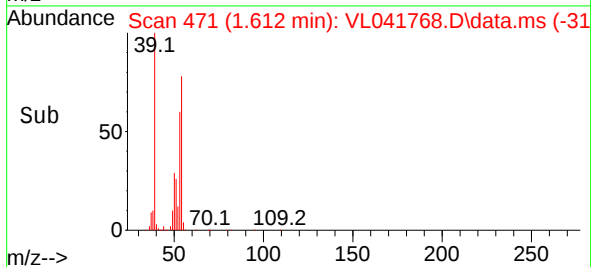
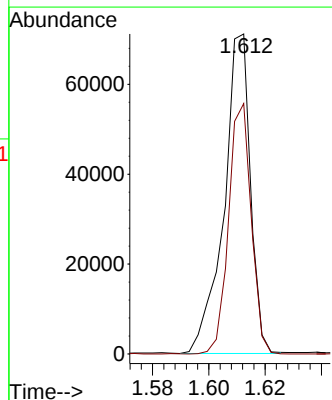
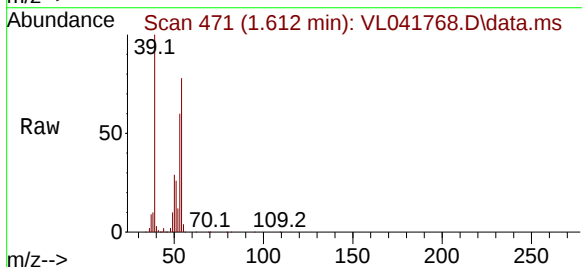
Acq: 17 Dec 2024 00:57

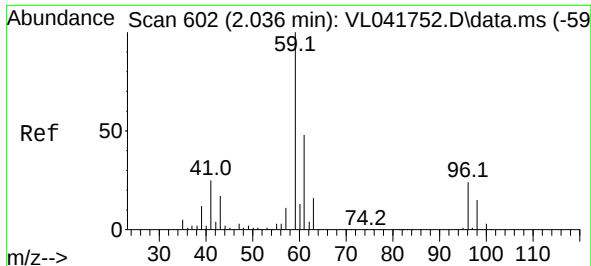
Tgt Ion: 39 Resp: 46514

Ion Ratio Lower Upper

39 100

54 66.9 58.4 87.6

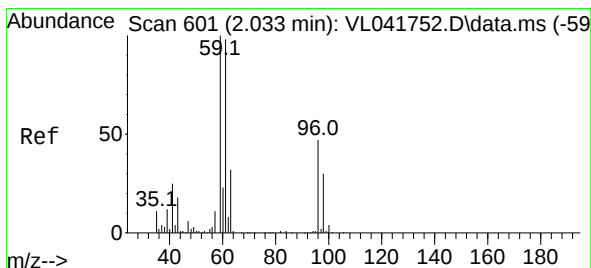
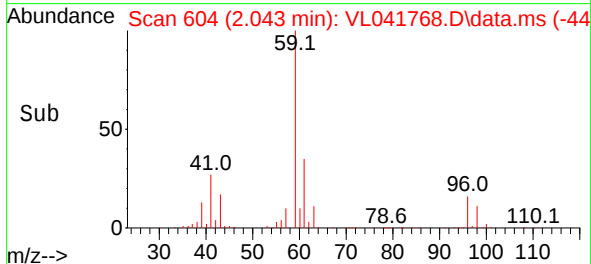
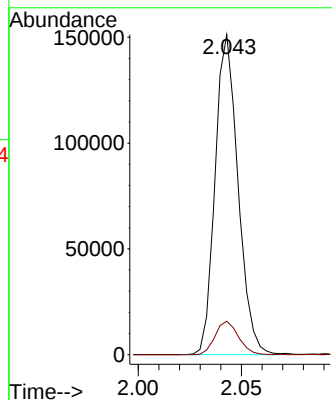
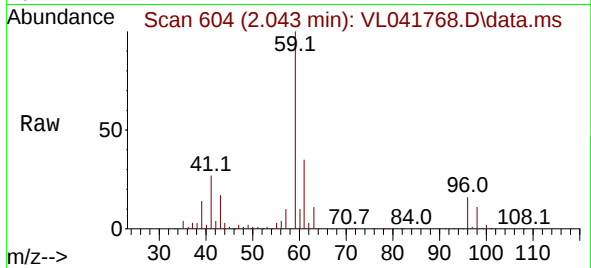




#17
tert-Butyl alcohol
Concen: 10.378 ppbv
RT: 2.043 min Scan# 60
Delta R.T. 0.006 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

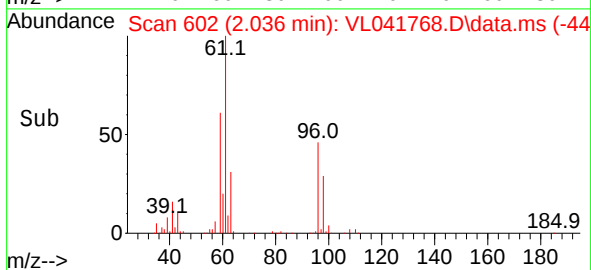
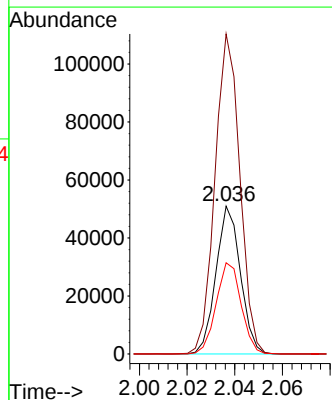
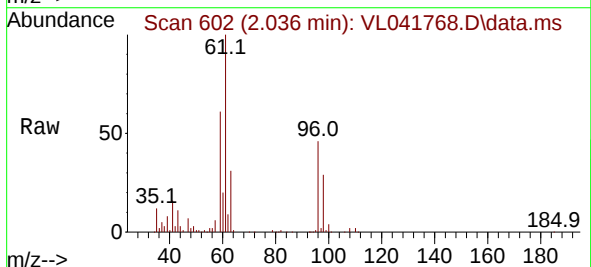
Instrument :
MSVOA_L
ClientSampleId :

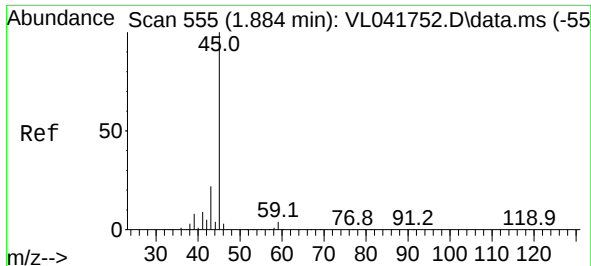
Tgt Ion: 59 Resp: 117014
Ion Ratio Lower Upper
59 100
57 10.6 8.6 13.0



#18
1,1-Dichloroethene
Concen: 10.298 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

Tgt Ion: 96 Resp: 36254
Ion Ratio Lower Upper
96 100
61 216.5 167.7 251.5
98 61.7 51.1 76.7





#19

Isopropyl Alcohol

Concen: 7.283 ppbv

RT: 1.888 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

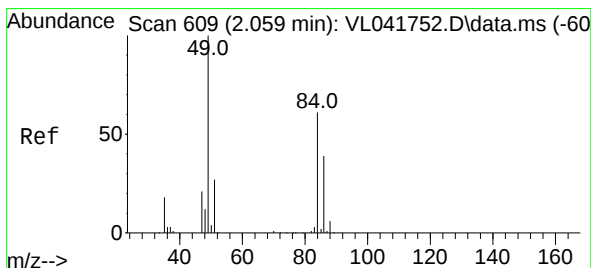
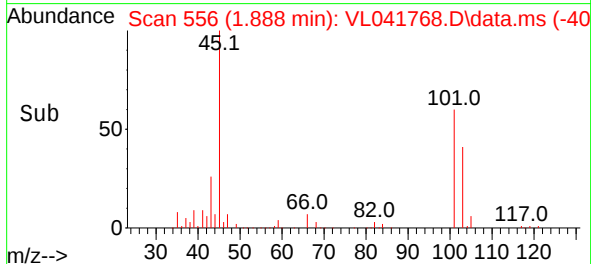
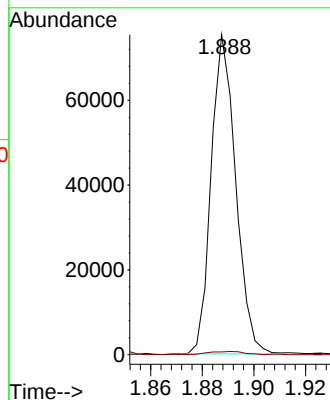
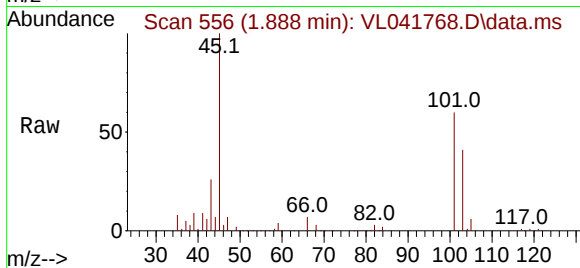
ClientSampleId :

Tgt Ion: 45 Resp: 49670

Ion Ratio Lower Upper

45 100

58 44.6 33.3 49.9



#20

Methylene Chloride

Concen: 9.901 ppbv

RT: 2.066 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Tgt Ion: 84 Resp: 32089

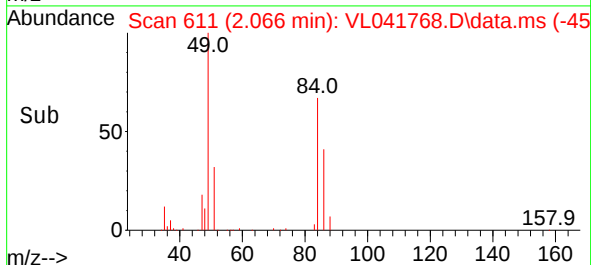
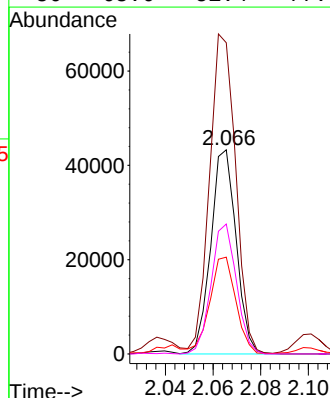
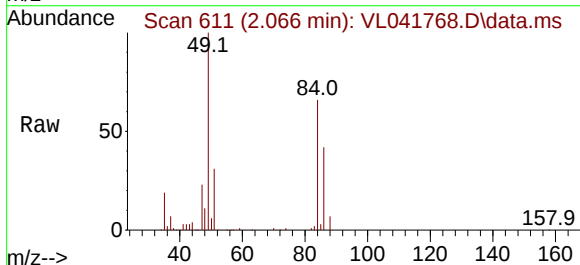
Ion Ratio Lower Upper

84 100

49 151.5 132.6 198.8

51 47.0 37.6 56.4

86 63.6 51.4 77.0





#21

Allyl Chloride

Concen: 10.133 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

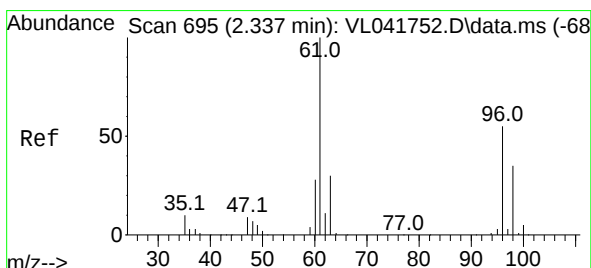
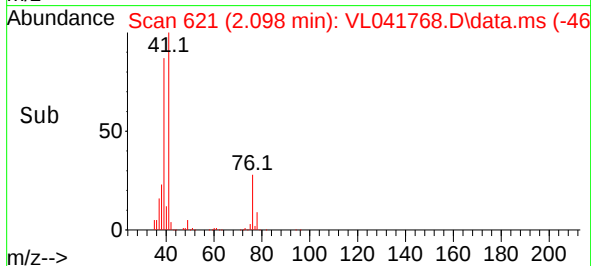
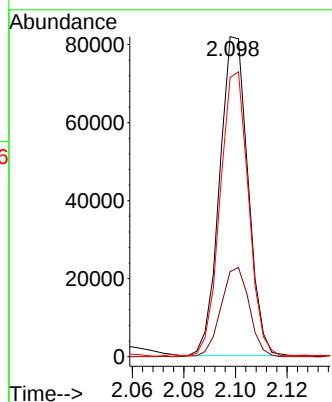
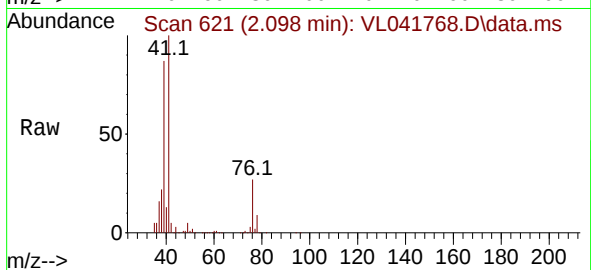
Tgt Ion: 41 Resp: 62461

Ion Ratio Lower Upper

41 100

76 27.9 22.3 33.5

39 89.3 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 9.933 ppbv

RT: 2.344 min Scan# 697

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

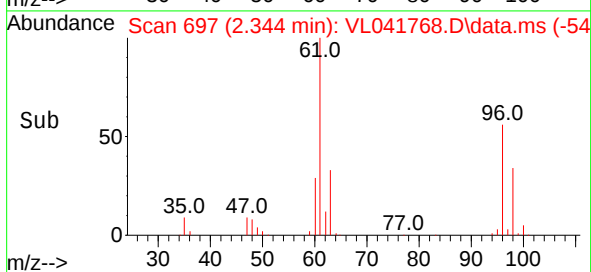
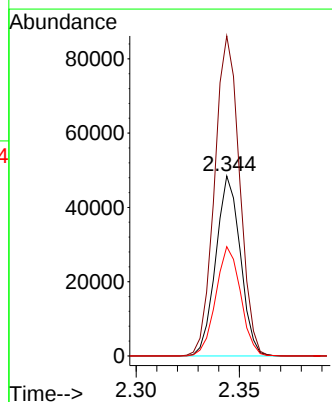
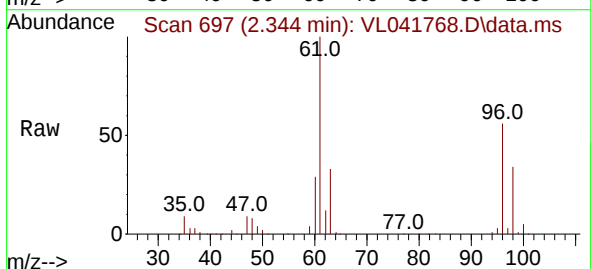
Tgt Ion: 96 Resp: 40028

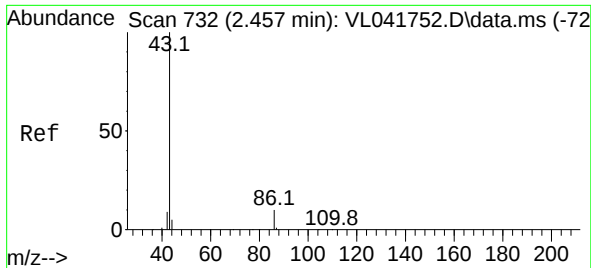
Ion Ratio Lower Upper

96 100

61 177.7 146.3 219.5

98 60.7 50.8 76.2

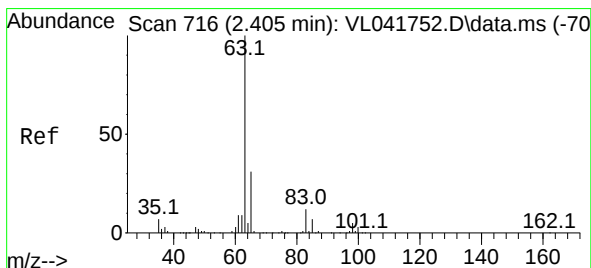
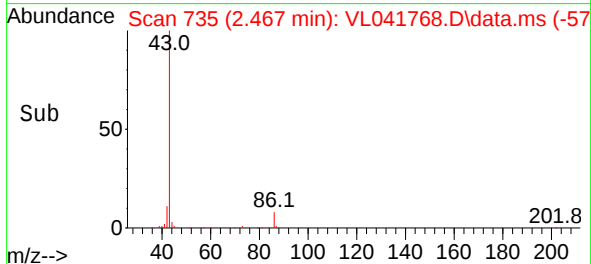
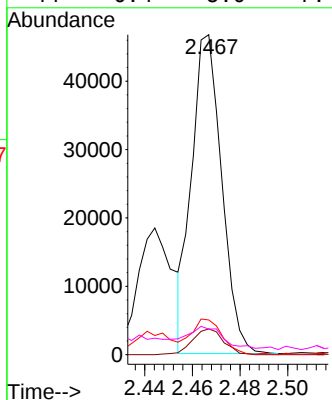
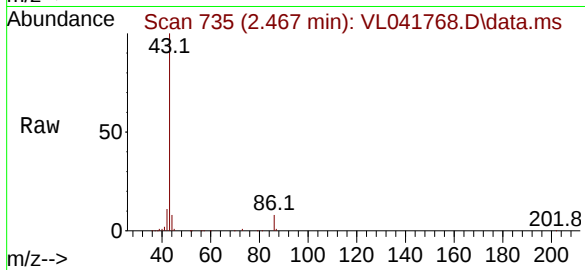




#23
 Vinyl Acetate
 Concen: 7.740 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.010 min
 Lab File: VL041768.D
 Acq: 17 Dec 2024 00:57

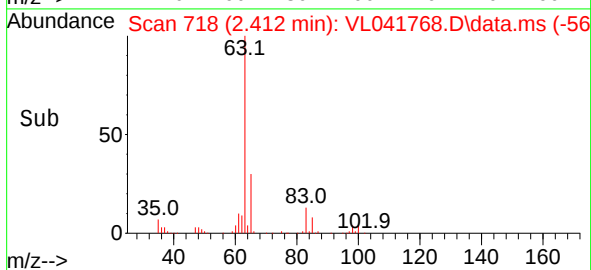
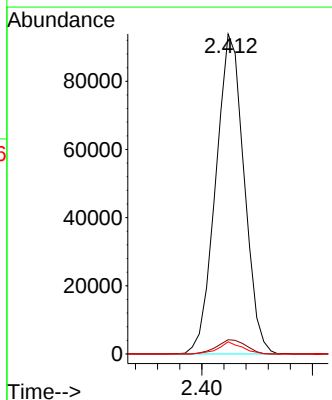
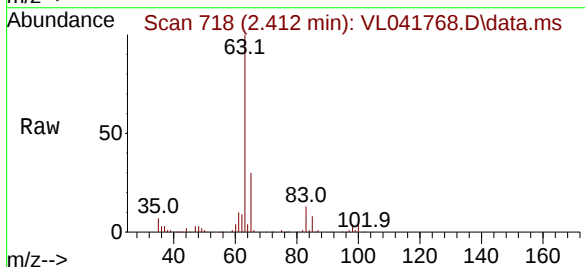
Instrument :
 MSVOA_L
 ClientSampleId :

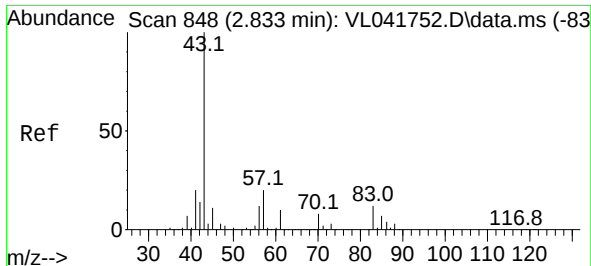
Tgt	Ion: 43	Resp:	40845
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.6	10.0
42	10.9	8.2	12.2
44	6.4	5.0	7.4



#24
 1,1-Dichloroethane
 Concen: 10.238 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL041768.D
 Acq: 17 Dec 2024 00:57

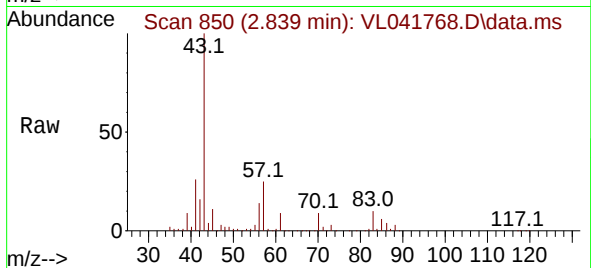
Tgt Ion: 63	Resp: 83517
Ion Ratio	Lower Upper
63 100	
98 4.5	2.3 6.8
100 3.8	1.4 4.2



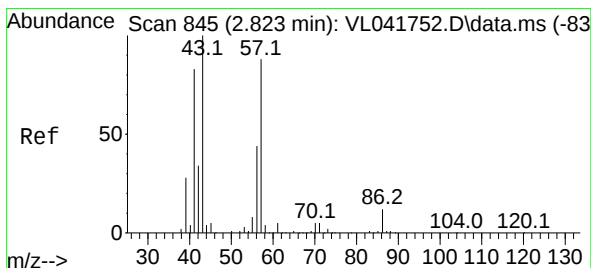
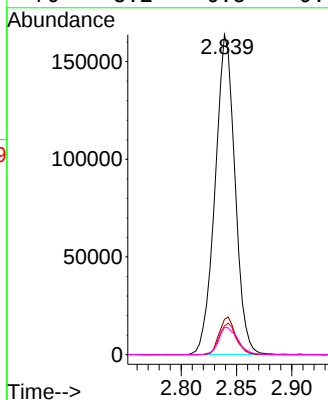
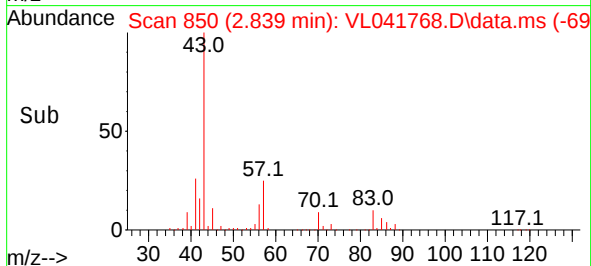


#25
Ethyl Acetate
Concen: 9.678 ppbv
RT: 2.839 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

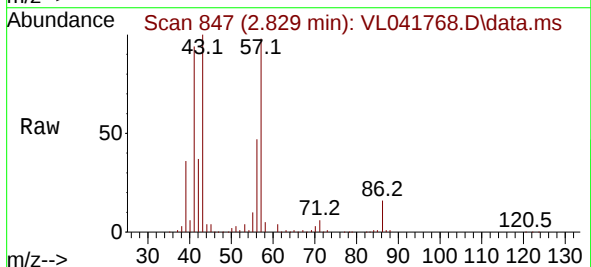
Instrument :
MSVOA_L
ClientSampleId :



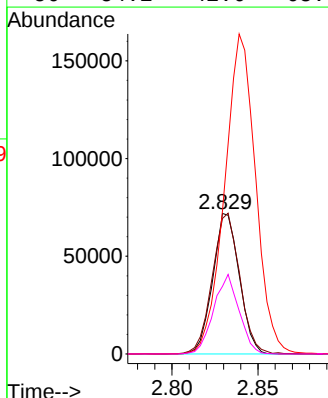
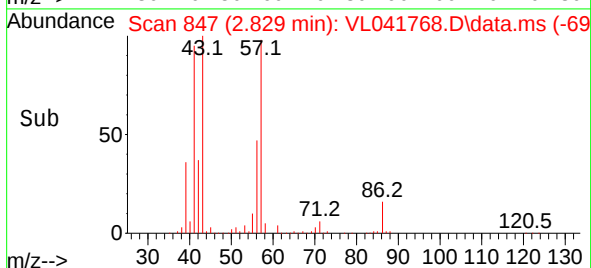
Tgt Ion:	43	Resp:	204633
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	8.6	7.0	10.6
70	8.2	6.5	9.7

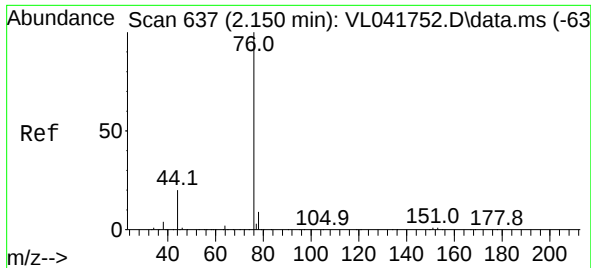


#26
Hexane
Concen: 9.601 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57



Tgt Ion:	57	Resp:	77041
Ion	Ratio	Lower	Upper
57	100		
41	103.9	79.6	119.4
43	266.6	211.0	316.6
56	54.2	42.6	63.8

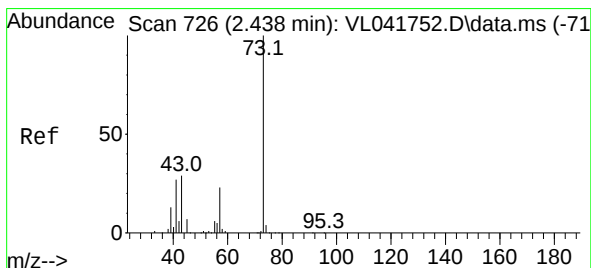
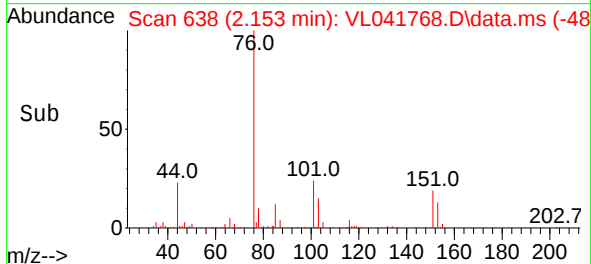
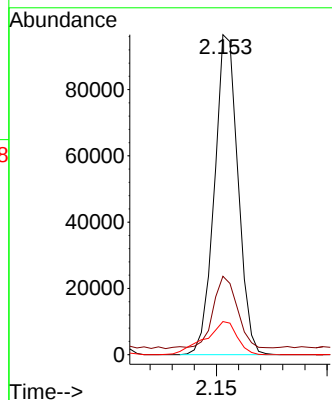
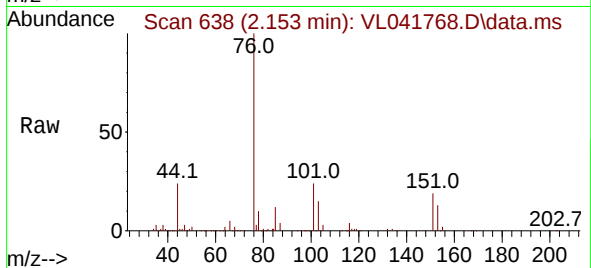




#27
Carbon Disulfide
Concen: 9.878 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

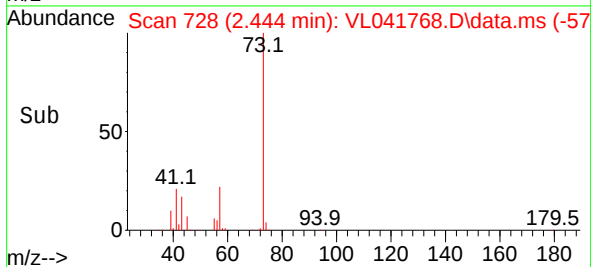
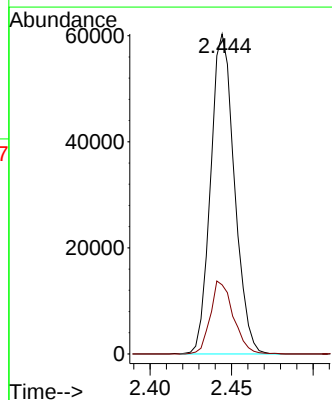
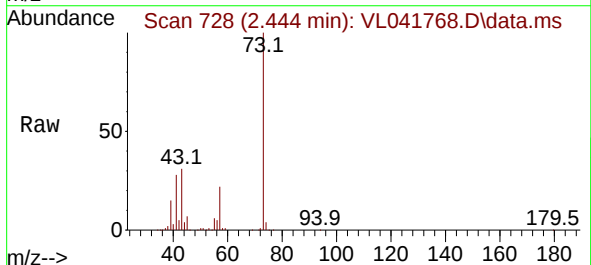
Instrument :
MSVOA_L
ClientSampleId :

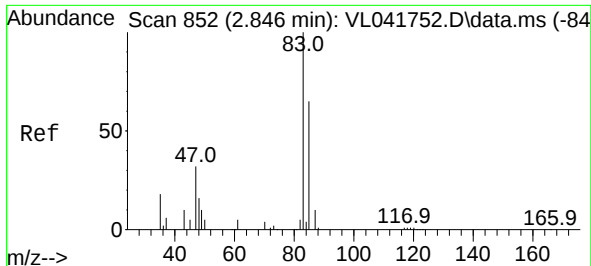
Tgt Ion: 76 Resp: 71423
Ion Ratio Lower Upper
76 100
44 23.6 17.6 26.4
78 14.0 10.2 15.4



#28
Methyl tert-Butyl Ether
Concen: 9.401 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.006 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

Tgt Ion: 73 Resp: 61198
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4





#29

Chloroform

Concen: 10.368 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

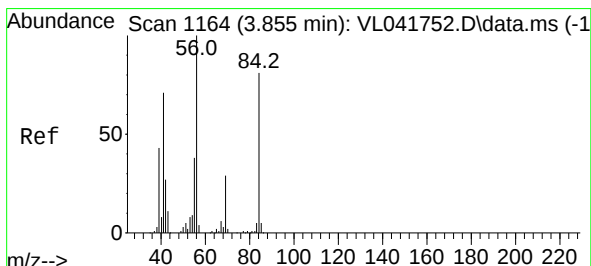
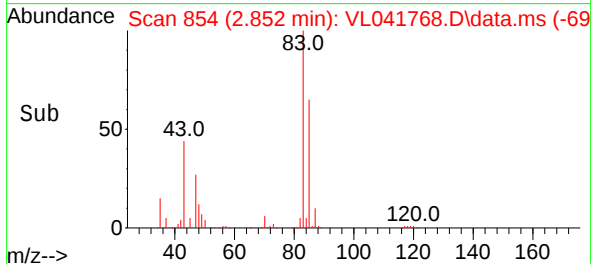
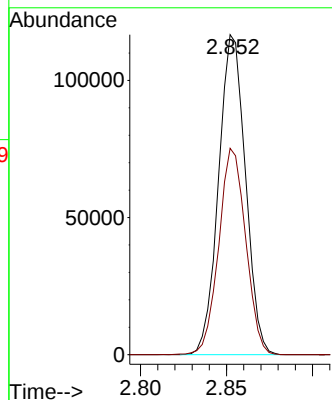
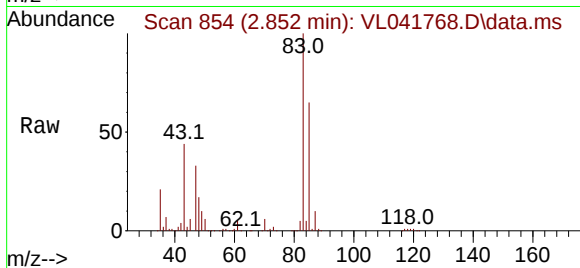
ClientSampleId :

Tgt Ion: 83 Resp: 126786

Ion Ratio Lower Upper

83 100

85 64.4 51.8 77.6



#30

Cyclohexane

Concen: 9.520 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

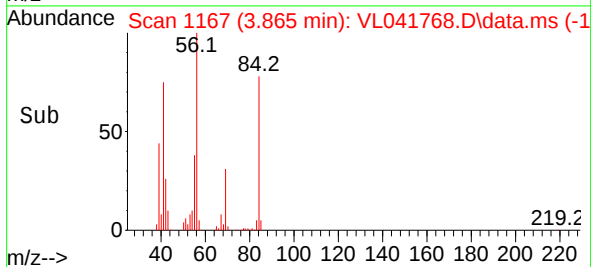
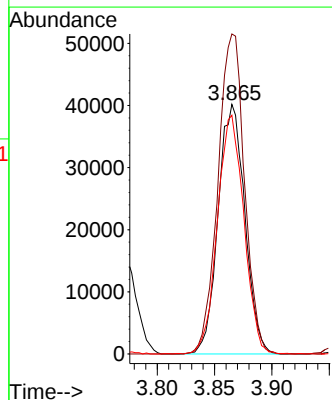
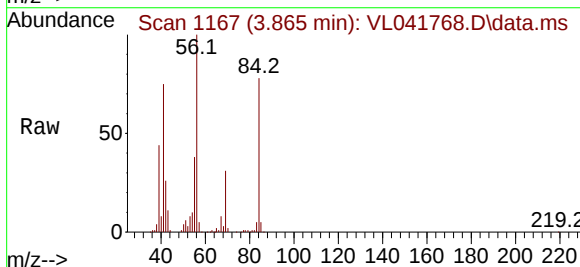
Tgt Ion: 84 Resp: 64996

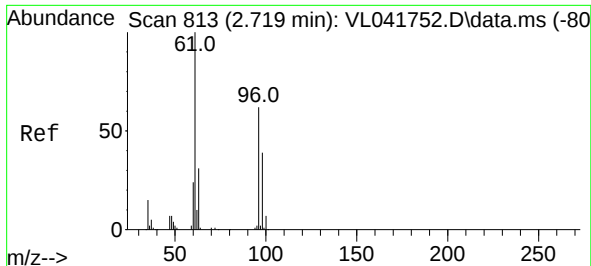
Ion Ratio Lower Upper

84 100

56 127.7 102.3 153.5

41 95.1 74.0 111.0





#31

cis-1,2-Dichloroethene

Concen: 9.831 ppbv

RT: 2.726 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

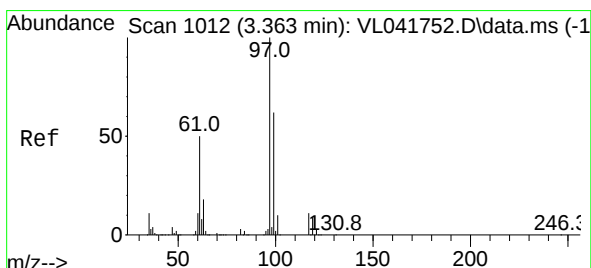
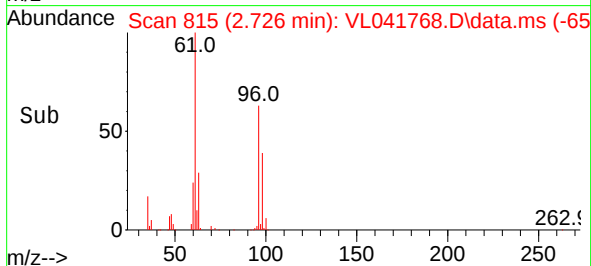
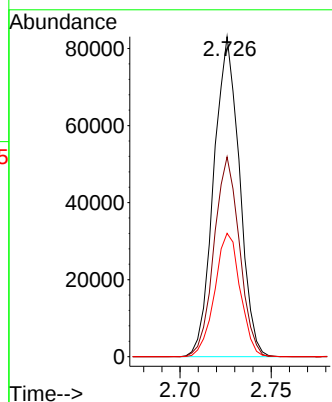
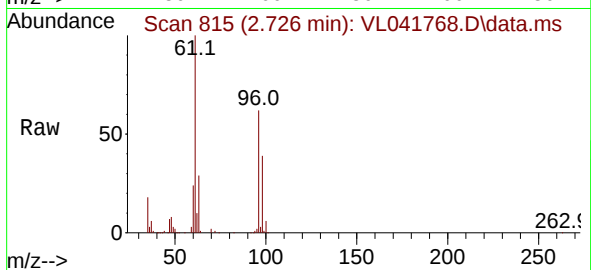
Tgt Ion: 61 Resp: 81514

Ion Ratio Lower Upper

61 100

96 62.5 49.7 74.5

98 38.6 30.8 46.2



#32

1,1,1-Trichloroethane

Concen: 10.347 ppbv

RT: 3.376 min Scan# 1016

Delta R.T. 0.013 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

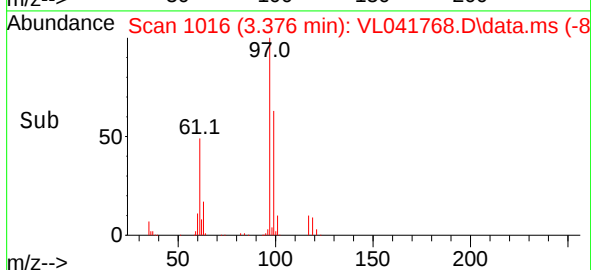
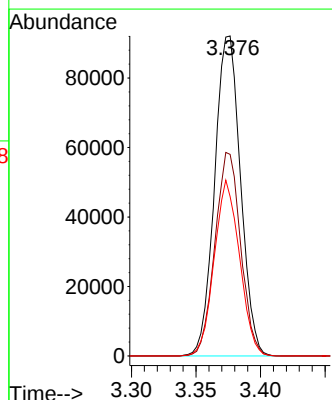
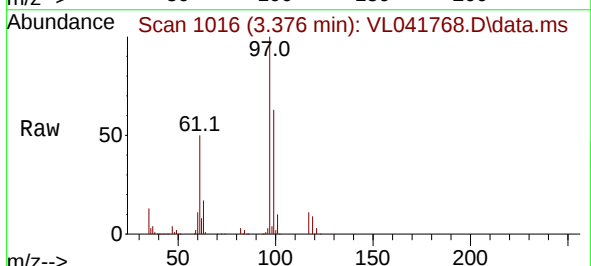
Tgt Ion: 97 Resp: 128623

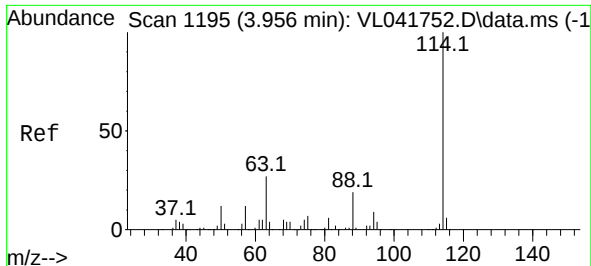
Ion Ratio Lower Upper

97 100

99 62.9 51.0 76.4

61 53.6 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1195

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

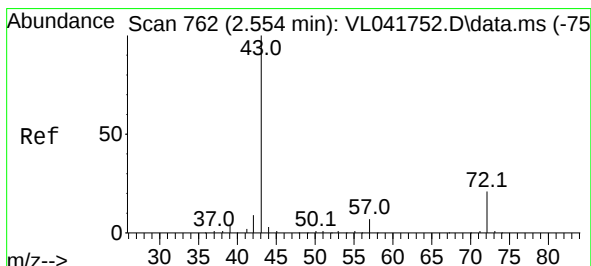
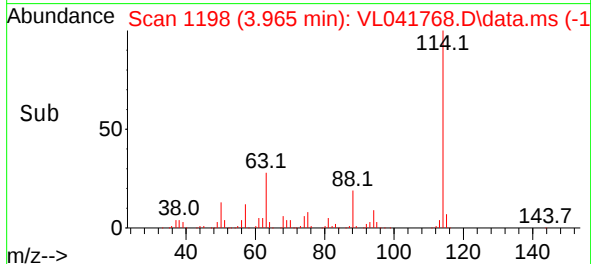
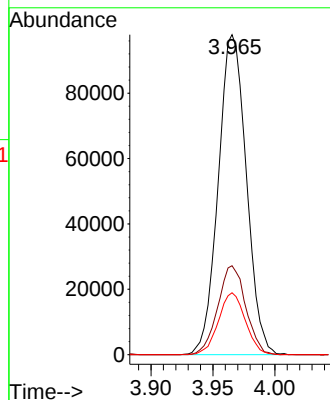
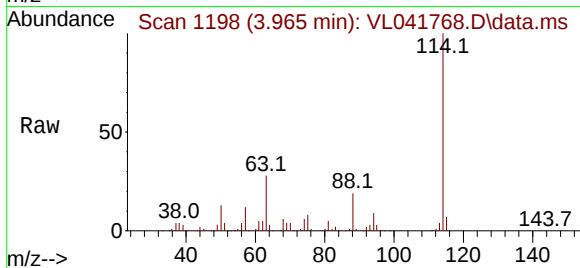
Tgt Ion:114 Resp: 154779

Ion Ratio Lower Upper

114 100

63 27.6 21.8 32.8

88 18.6 14.8 22.2



#34

2-Butanone

Concen: 9.537 ppbv

RT: 2.561 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL041768.D

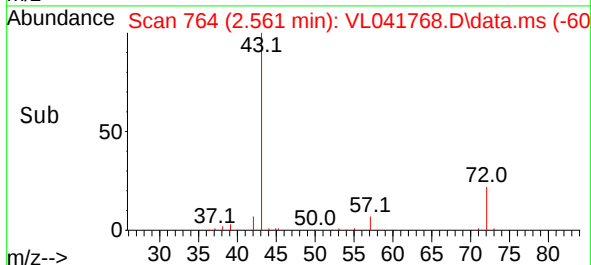
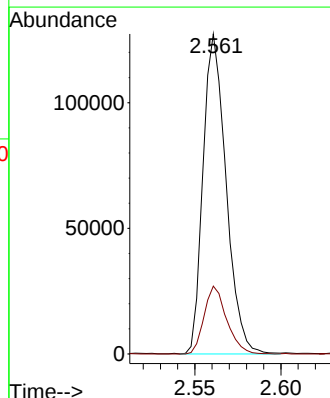
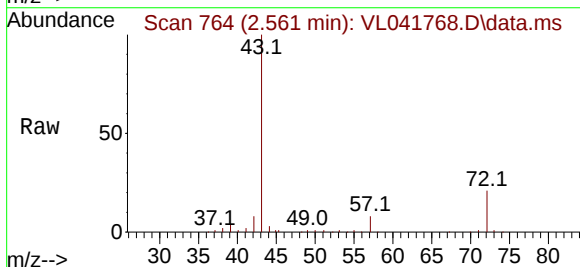
Acq: 17 Dec 2024 00:57

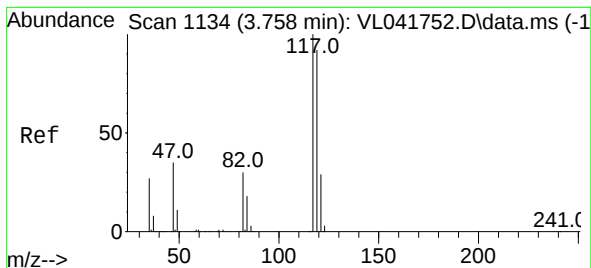
Tgt Ion: 43 Resp: 118757

Ion Ratio Lower Upper

43 100

72 20.7 16.8 25.2





#35

Carbon Tetrachloride

Concen: 11.564 ppbv

RT: 3.771 min Scan# 1138

Delta R.T. 0.013 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

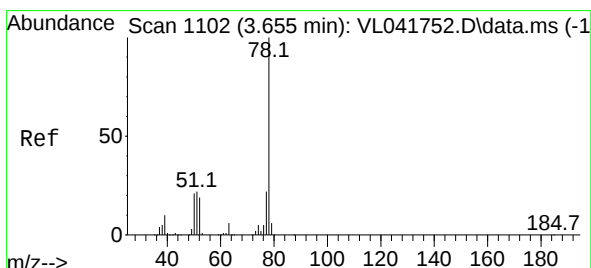
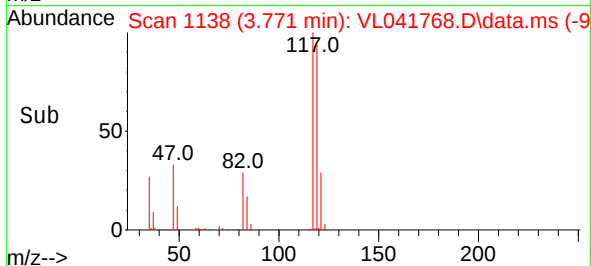
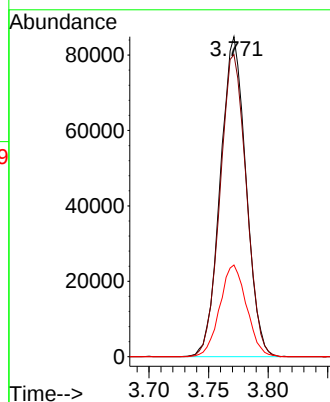
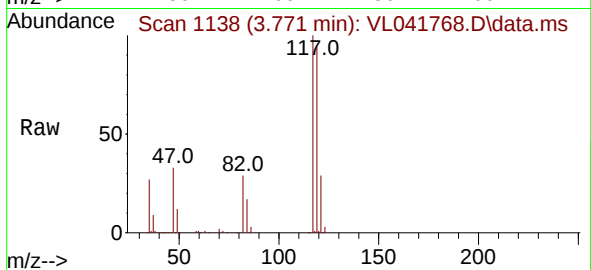
Tgt Ion:117 Resp: 127059

Ion Ratio Lower Upper

117 100

119 94.4 73.7 110.5

121 28.7 23.0 34.4



#36

Benzene

Concen: 9.692 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

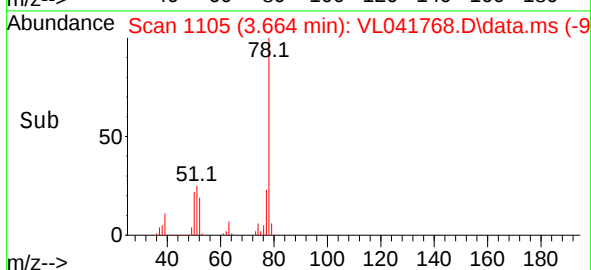
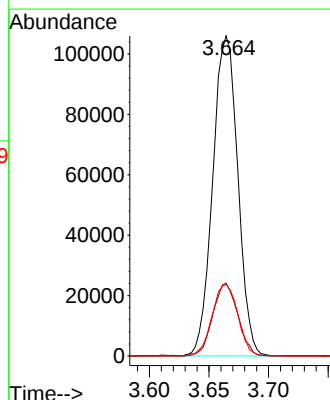
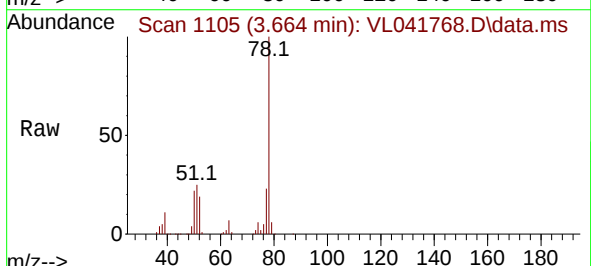
Tgt Ion: 78 Resp: 155172

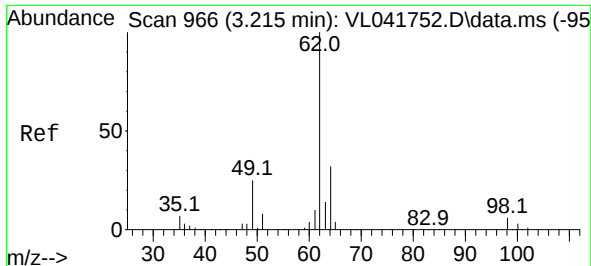
Ion Ratio Lower Upper

78 100

77 22.7 17.8 26.6

50 22.4 17.2 25.8





#37

1,2-Dichloroethane

Concen: 10.633 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

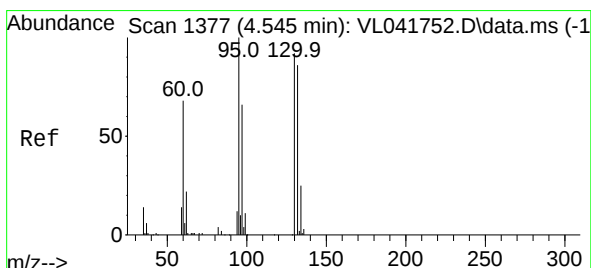
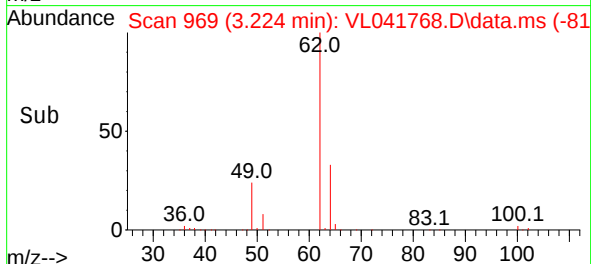
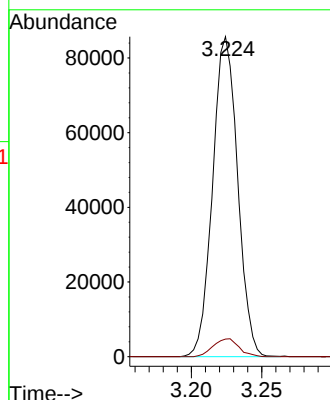
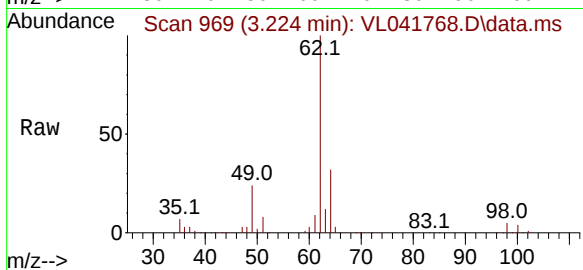
ClientSampleId :

Tgt Ion: 62 Resp: 105933

Ion Ratio Lower Upper

62 100

98 5.8 4.7 7.1



#38

Trichloroethene

Concen: 9.083 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Tgt Ion:130 Resp: 61730

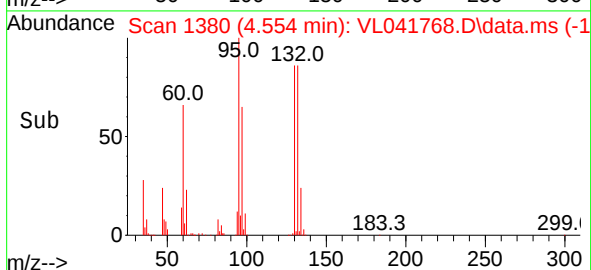
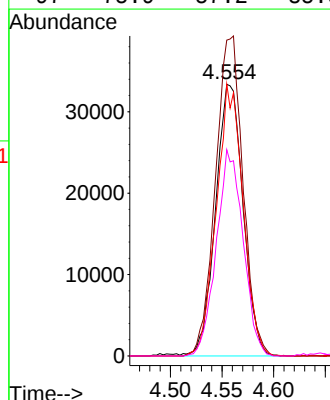
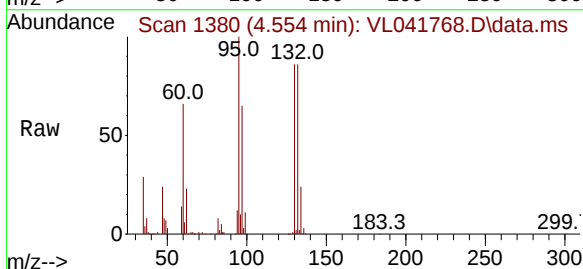
Ion Ratio Lower Upper

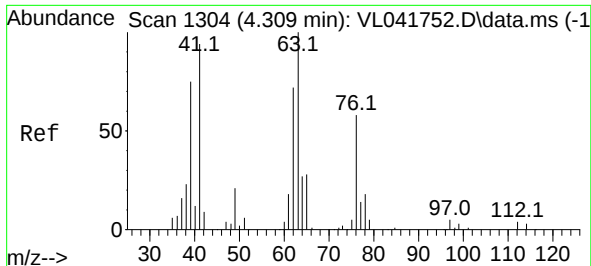
130 100

95 116.3 87.0 130.6

132 100.1 75.0 112.6

97 75.9 57.2 85.8





#39

1,2-Dichloropropane

Concen: 9.531 ppbv

RT: 4.321 min Scan# 1308

Delta R.T. 0.013 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

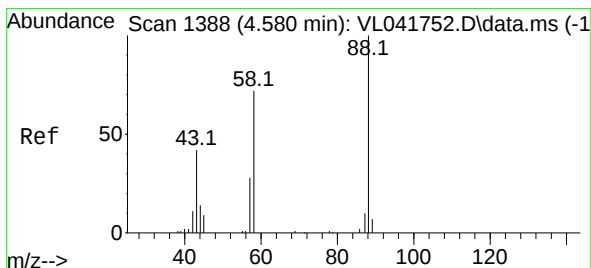
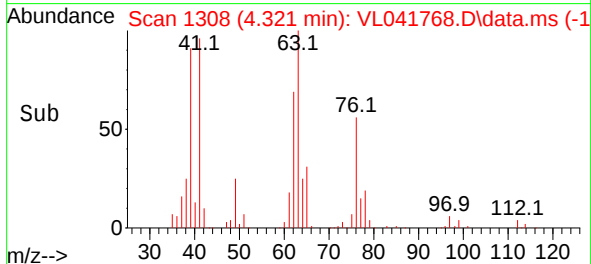
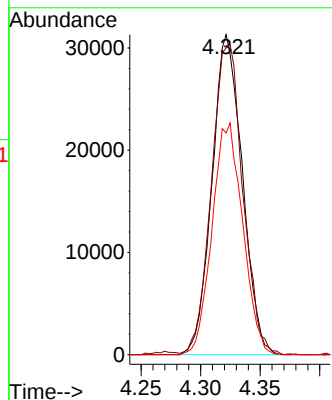
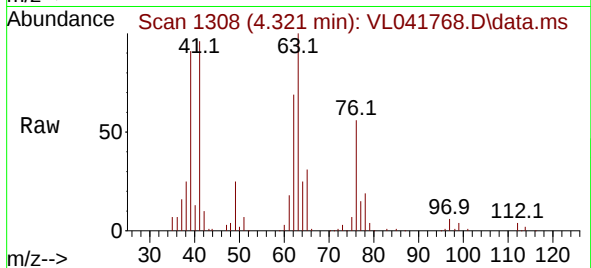
Tgt Ion: 63 Resp: 55187

Ion Ratio Lower Upper

63 100

41 95.4 75.3 112.9

62 69.3 57.3 85.9



#40

1,4-Dioxane

Concen: 8.512 ppbv

RT: 4.597 min Scan# 1393

Delta R.T. 0.016 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Tgt Ion: 88 Resp: 24077

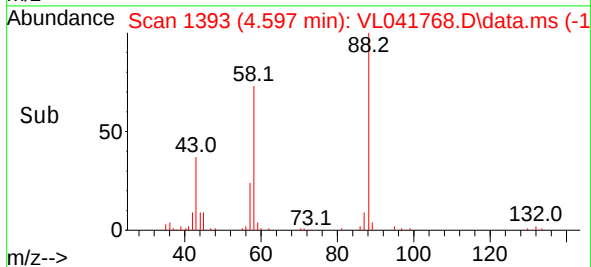
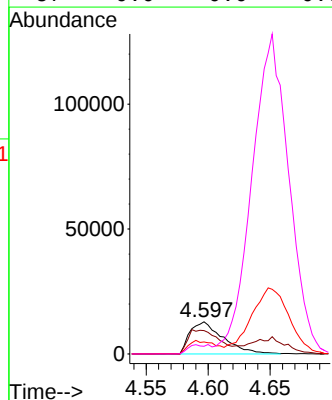
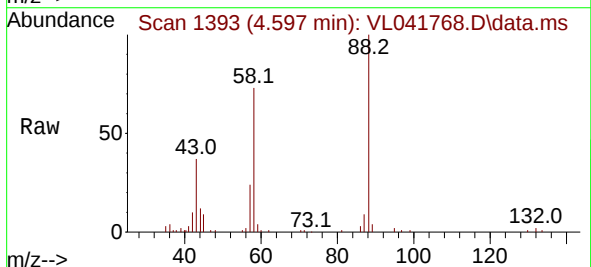
Ion Ratio Lower Upper

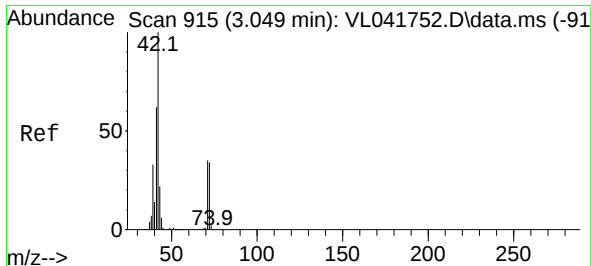
88 100

58 74.5 61.0 91.6

43 30.5 29.4 44.0

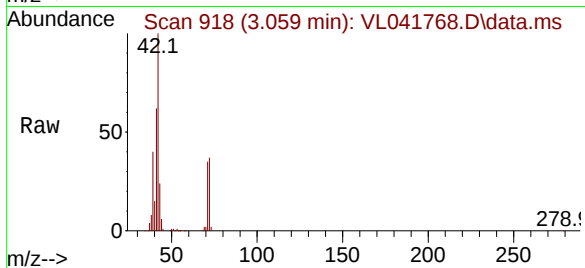
57 0.0 0.0 0.0



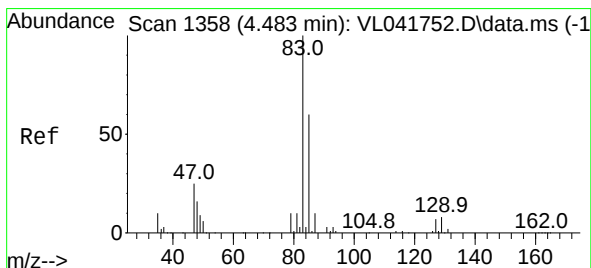
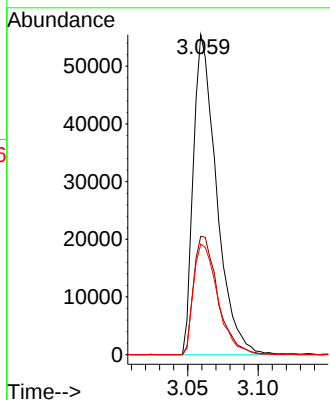
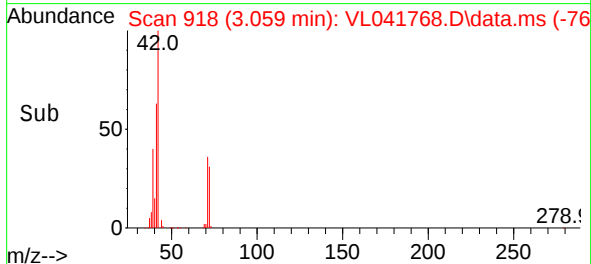


#41
Tetrahydrofuran
Concen: 9.137 ppbv
RT: 3.059 min Scan# 915
Delta R.T. 0.010 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

Instrument :
MSVOA_L
ClientSampleId :

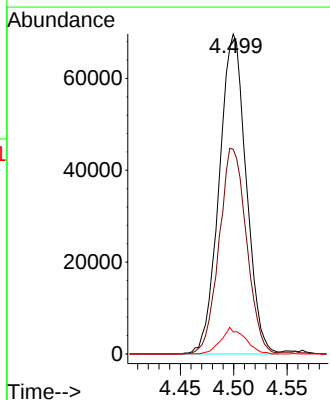
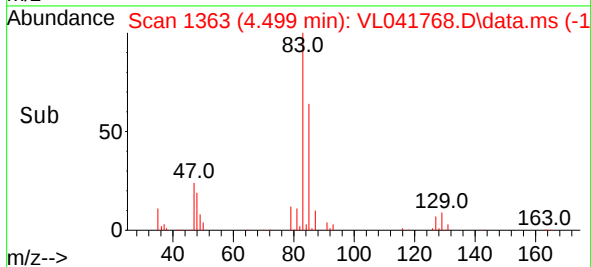
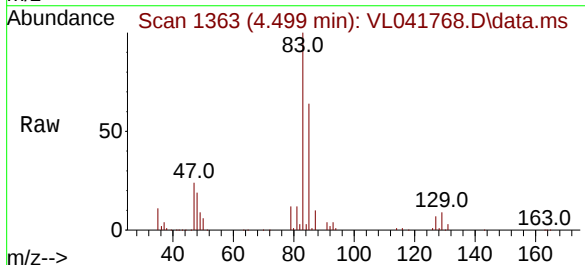


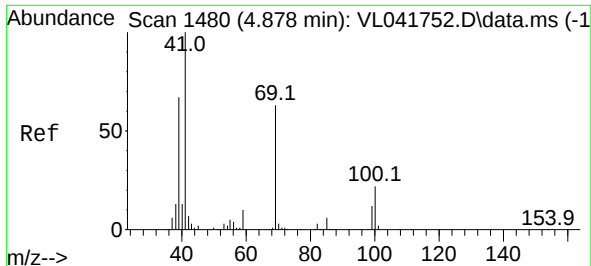
Tgt Ion: 42 Resp: 63737
Ion Ratio Lower Upper
42 100
72 38.7 29.1 43.7
71 36.2 28.4 42.6



#42
Bromodichloromethane
Concen: 10.683 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.016 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

Tgt Ion: 83 Resp: 122435
Ion Ratio Lower Upper
83 100
85 64.0 48.0 72.0
127 6.9 5.8 8.8





#43

Methyl Methacrylate

Concen: 9.862 ppbv

RT: 4.888 min Scan# 1483

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

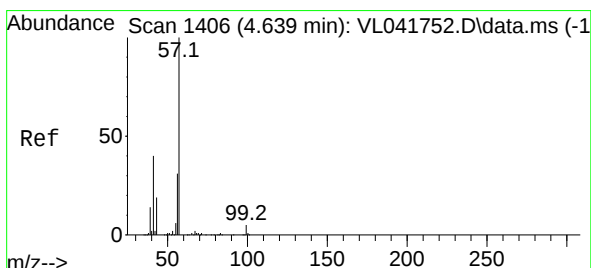
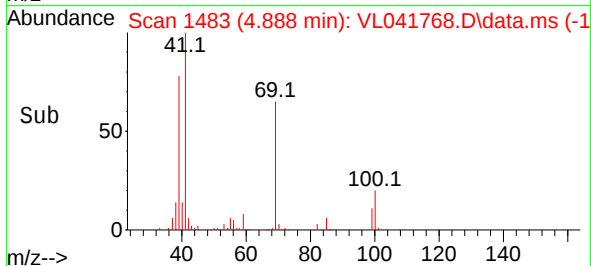
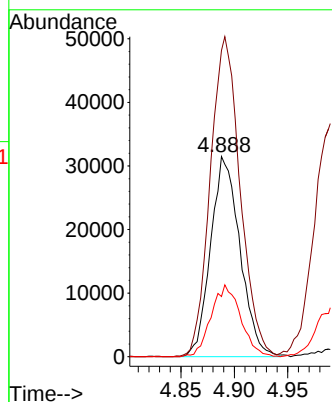
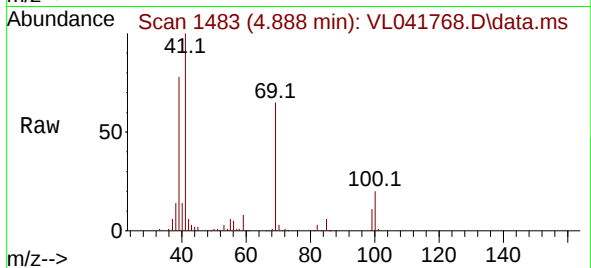
Tgt Ion: 69 Resp: 60160

Ion Ratio Lower Upper

69 100

41 162.9 130.3 195.5

100 36.0 28.3 42.5



#44

2,2,4-Trimethylpentane

Concen: 9.732 ppbv

RT: 4.652 min Scan# 1410

Delta R.T. 0.013 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

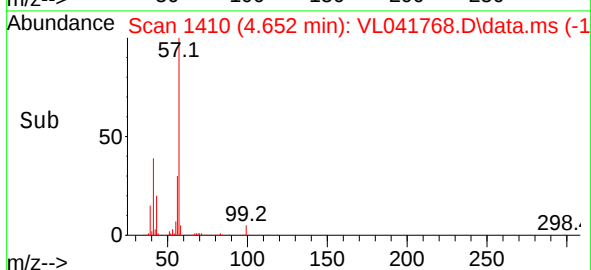
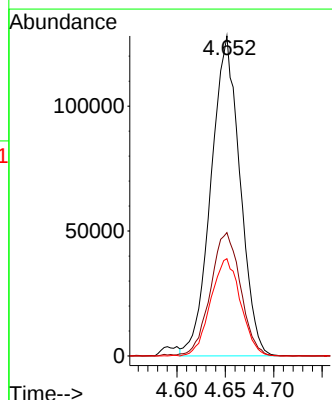
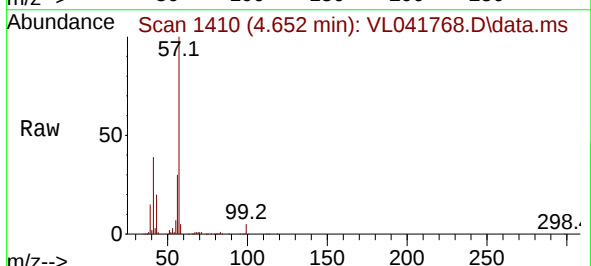
Tgt Ion: 57 Resp: 266101

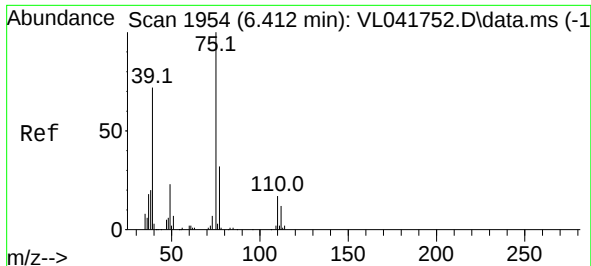
Ion Ratio Lower Upper

57 100

41 40.5 30.7 46.1

56 31.5 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 9.483 ppbv

RT: 6.425 min Scan# 1958

Delta R.T. 0.013 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

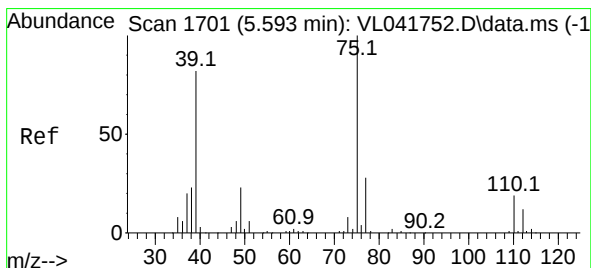
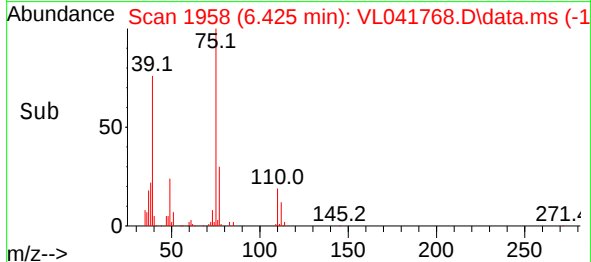
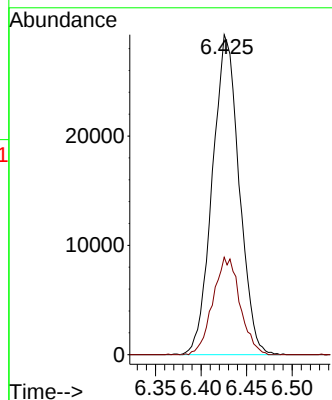
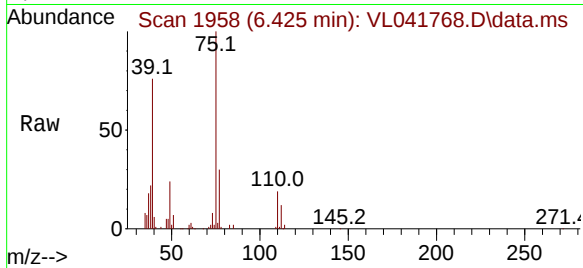
ClientSampleId :

Tgt Ion: 75 Resp: 59837

Ion Ratio Lower Upper

75 100

77 30.4 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 6.014 ppbv

RT: 5.610 min Scan# 1706

Delta R.T. 0.016 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

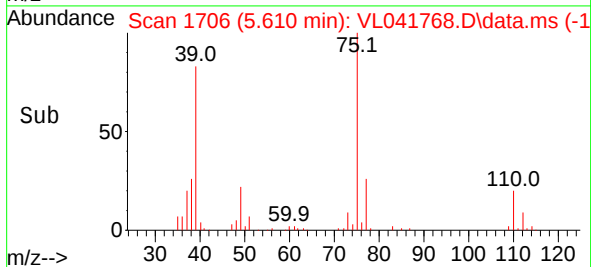
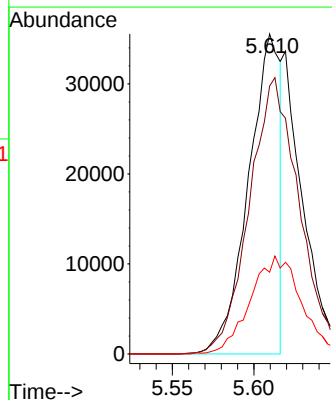
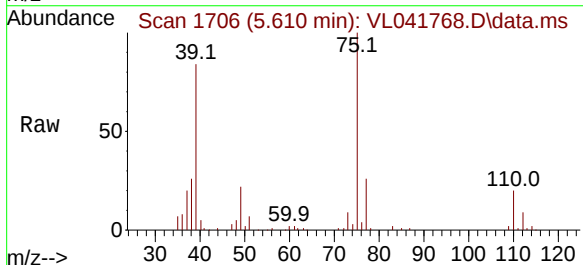
Tgt Ion: 75 Resp: 48171

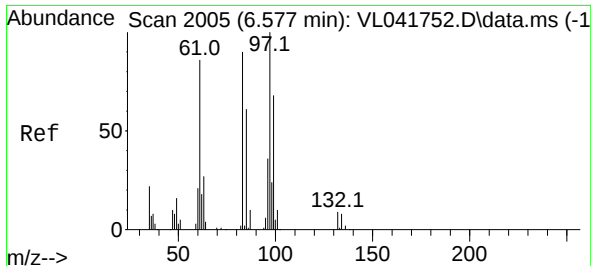
Ion Ratio Lower Upper

75 100

39 83.8 65.2 97.8

77 25.5 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 9.784 ppbv

RT: 6.594 min Scan# 2005

Delta R.T. 0.016 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 59178

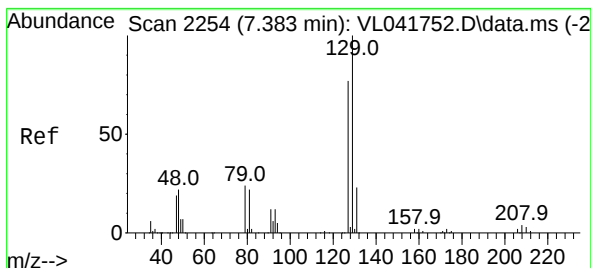
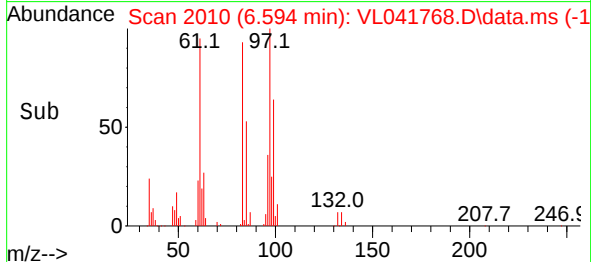
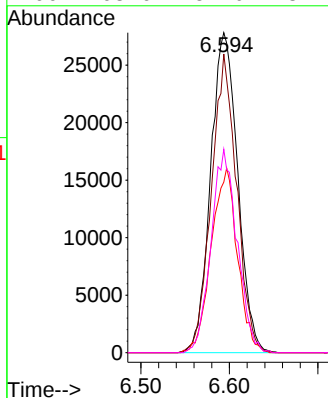
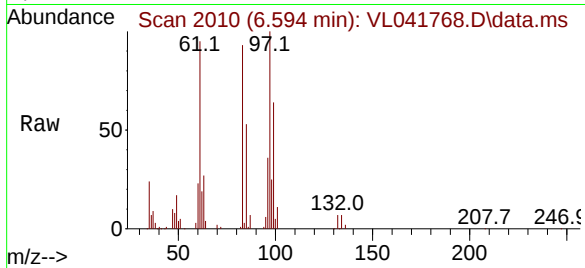
Ion Ratio Lower Upper

97 100

83 93.3 72.3 108.5

85 53.3 48.5 72.7

99 63.6 54.0 81.0



#48

Dibromochloromethane

Concen: 10.775 ppbv

RT: 7.399 min Scan# 2259

Delta R.T. 0.016 min

Lab File: VL041768.D

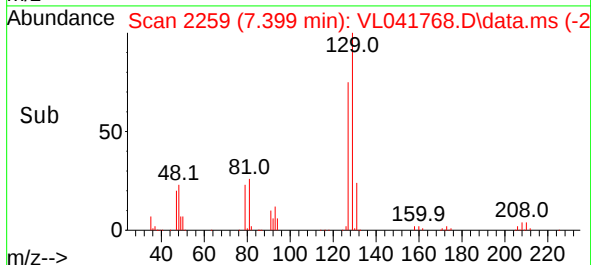
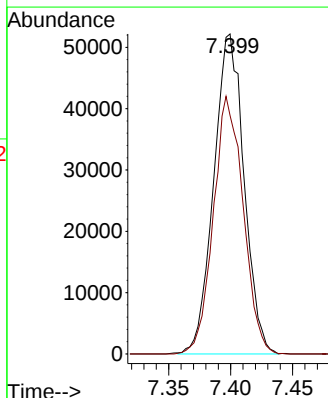
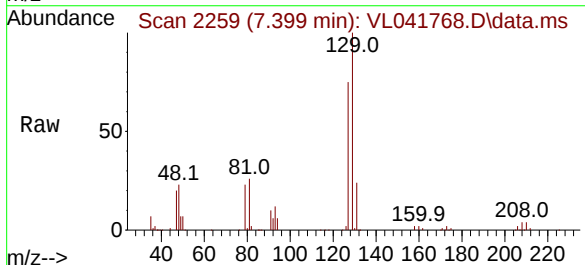
Acq: 17 Dec 2024 00:57

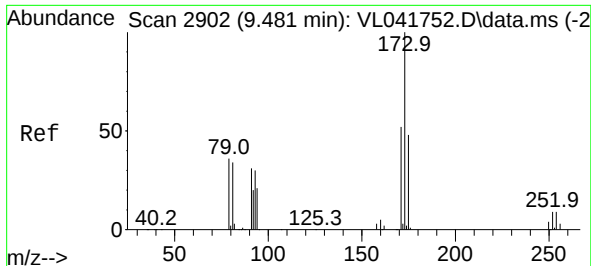
Tgt Ion: 129 Resp: 88987

Ion Ratio Lower Upper

129 100

127 79.2 38.8 116.3





#49

Bromoform

Concen: 10.492 ppbv

RT: 9.494 min Scan# 20

Delta R.T. 0.013 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

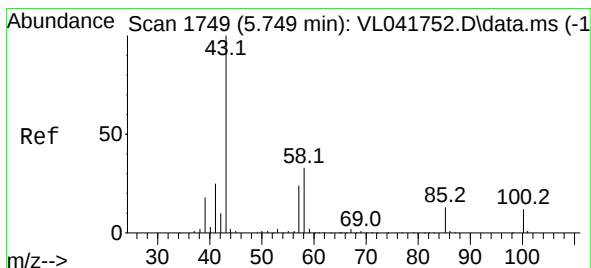
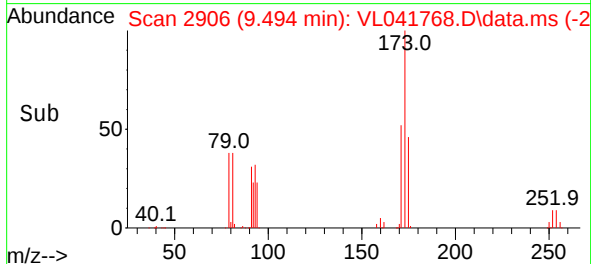
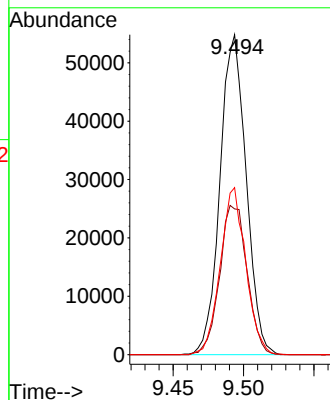
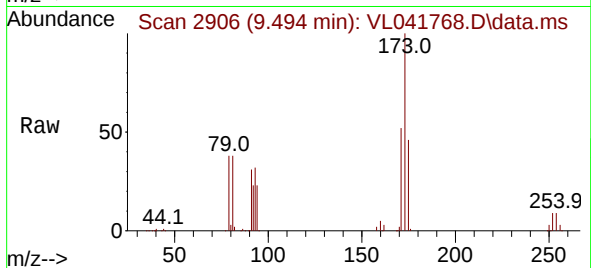
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:173 Resp: 70925

Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.2	57.2
171	50.8	41.1	61.7



#50

4-Methyl-2-Pentanone

Concen: 9.591 ppbv

RT: 5.768 min Scan# 1755

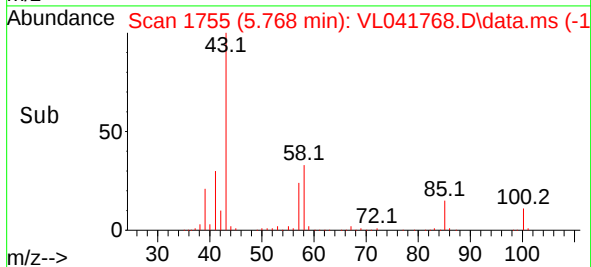
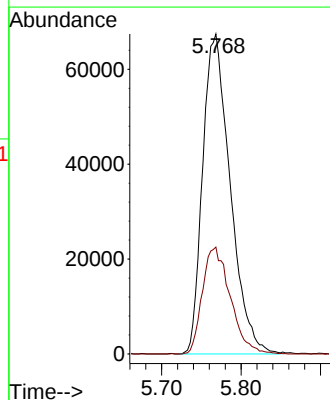
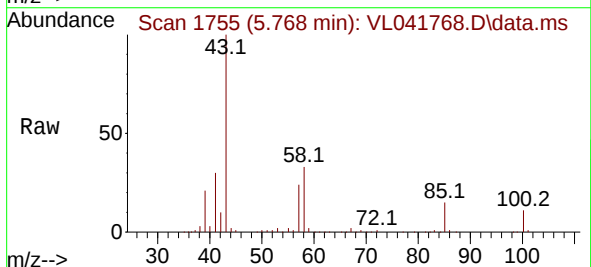
Delta R.T. 0.019 min

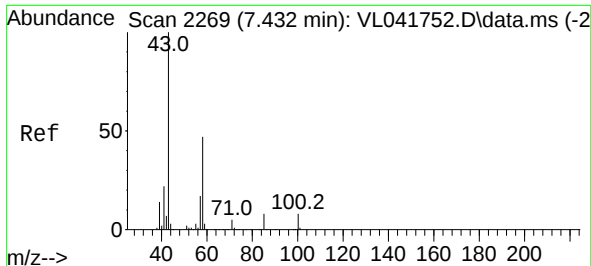
Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Tgt Ion: 43 Resp: 162609

Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.8	40.2

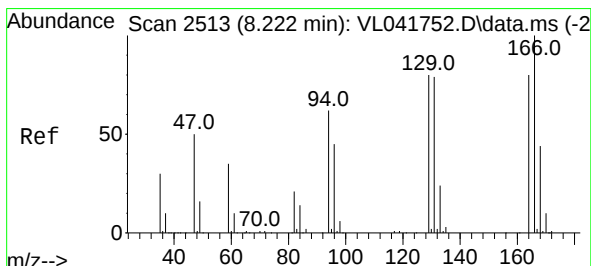
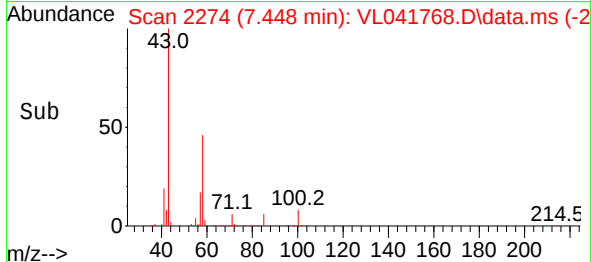
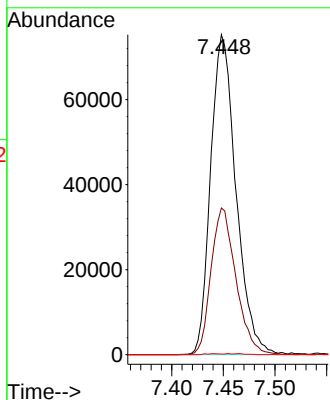
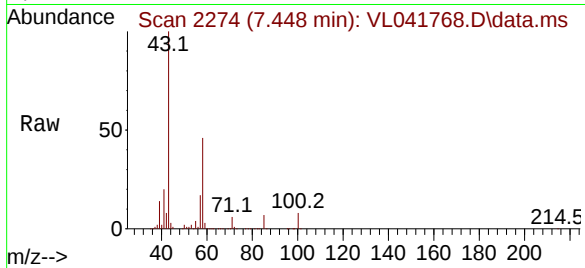




#51
2-Hexanone
Concen: 9.341 ppbv
RT: 7.448 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

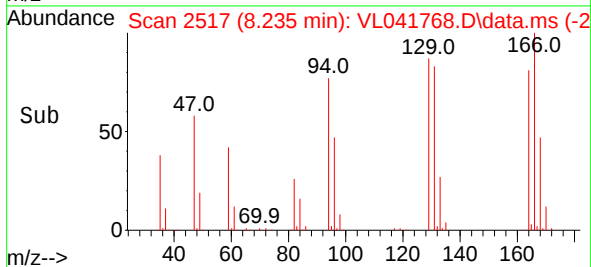
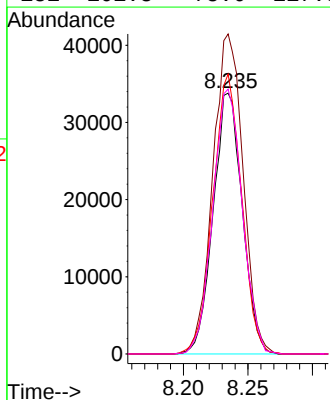
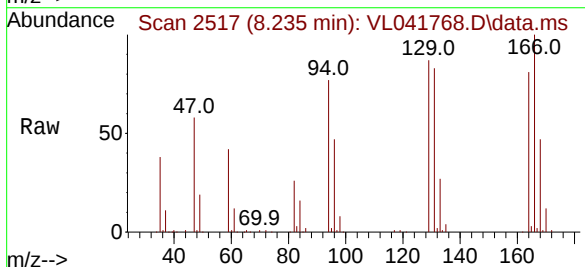
Instrument :
MSVOA_L
ClientSampleId :

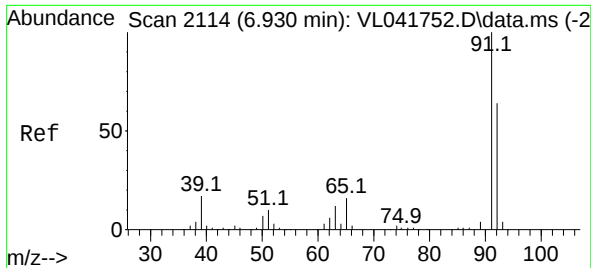
Tgt Ion: 43 Resp: 128365
Ion Ratio Lower Upper
43 100
58 45.1 36.6 55.0
98 0.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.856 ppbv
RT: 8.235 min Scan# 2517
Delta R.T. 0.013 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

Tgt Ion:164 Resp: 52775
Ion Ratio Lower Upper
164 100
166 122.7 99.8 149.6
129 107.1 79.6 119.4
131 101.3 78.6 117.8





#53

Toluene

Concen: 9.487 ppbv

RT: 6.946 min Scan# 2114

Delta R.T. 0.016 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

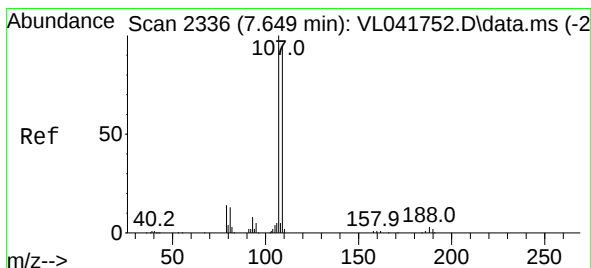
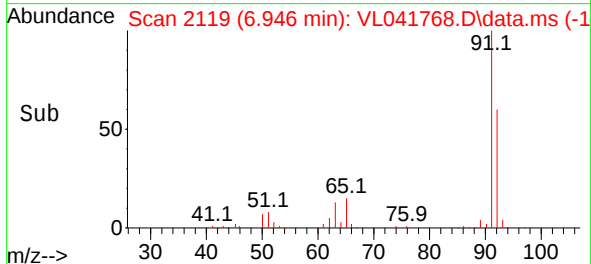
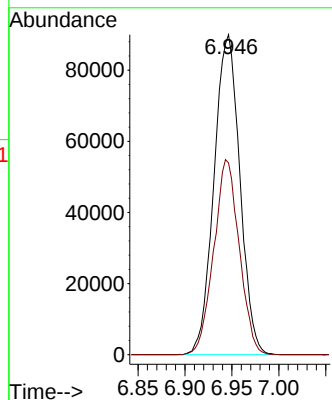
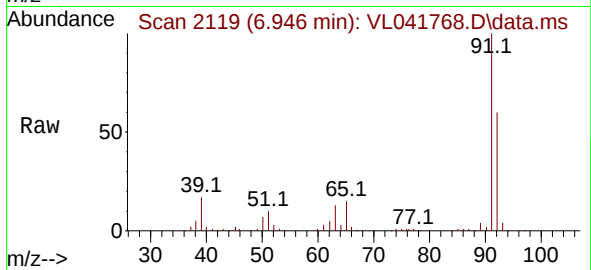
ClientSampleId :

Tgt Ion: 91 Resp: 172200

Ion Ratio Lower Upper

91 100

92 60.1 47.9 71.9



#54

1,2-Dibromoethane

Concen: 9.713 ppbv

RT: 7.665 min Scan# 2341

Delta R.T. 0.016 min

Lab File: VL041768.D

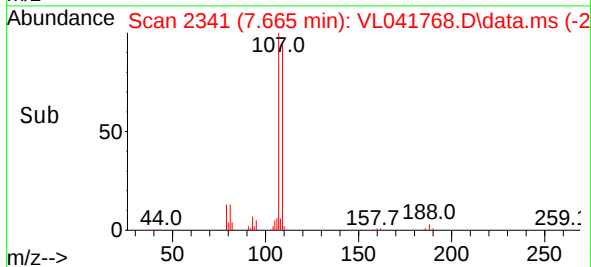
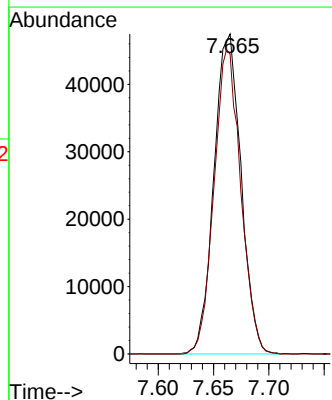
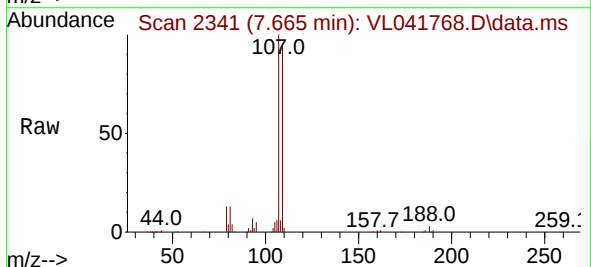
Acq: 17 Dec 2024 00:57

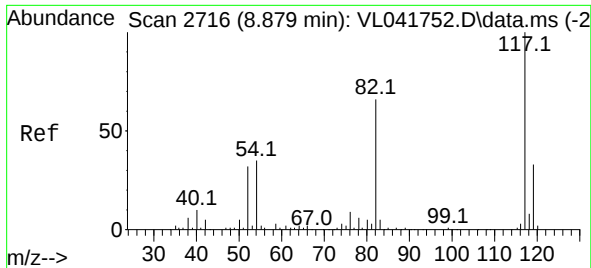
Tgt Ion: 107 Resp: 80944

Ion Ratio Lower Upper

107 100

109 93.6 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.892 min Scan# 2716

Delta R.T. 0.013 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

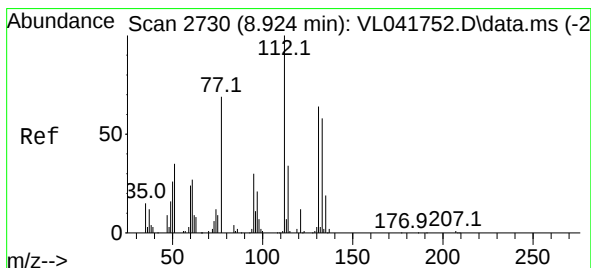
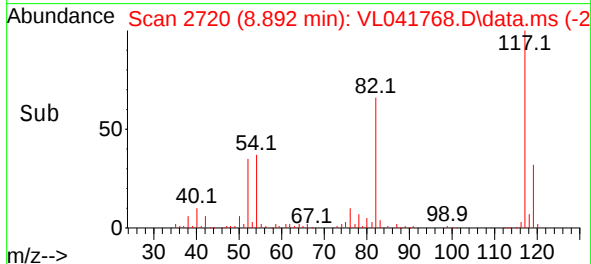
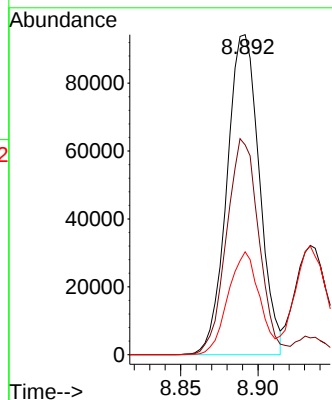
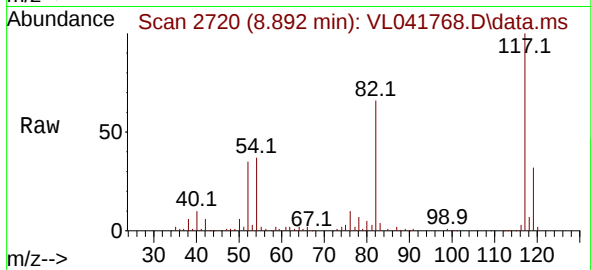
Tgt Ion:117 Resp: 137648

Ion Ratio Lower Upper

117 100

82 72.7 53.8 80.8

119 31.9 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 10.451 ppbv

RT: 8.934 min Scan# 2733

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

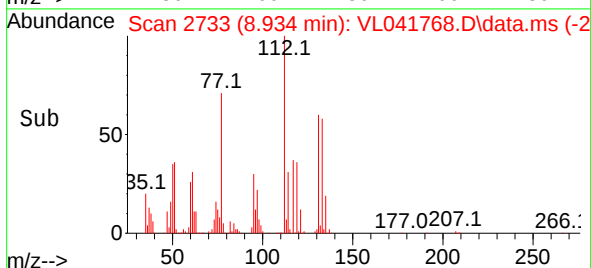
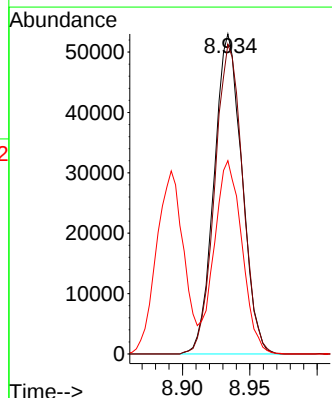
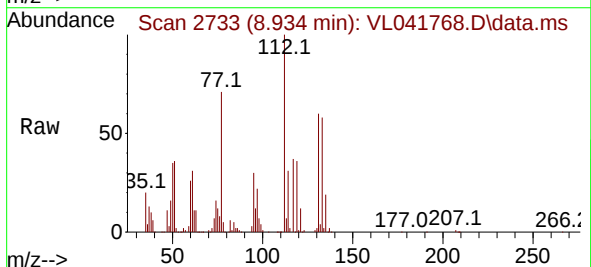
Tgt Ion:131 Resp: 76261

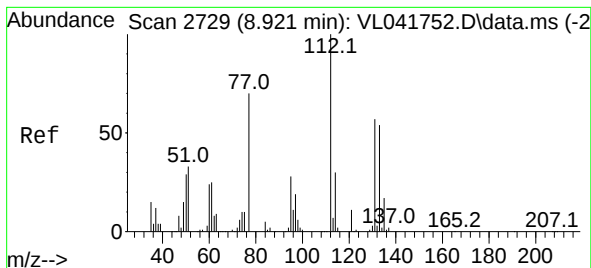
Ion Ratio Lower Upper

131 100

133 96.9 76.8 115.2

119 60.4 49.0 73.6





#57

Chlorobenzene

Concen: 9.533 ppbv

RT: 8.930 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

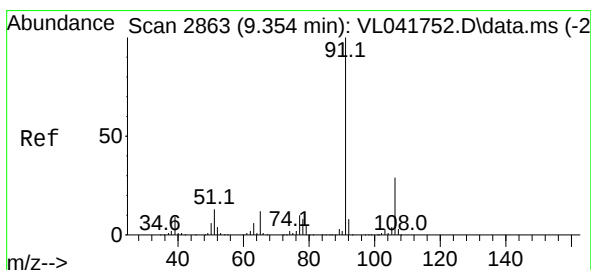
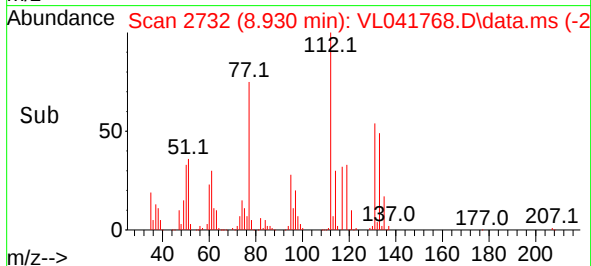
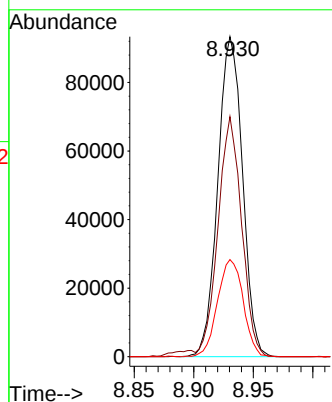
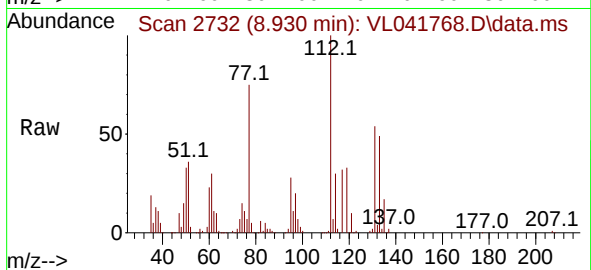
Tgt Ion:112 Resp: 134275

Ion Ratio Lower Upper

112 100

77 75.0 57.4 86.0

114 30.3 27.4 33.4



#58

Ethyl Benzene

Concen: 9.923 ppbv

RT: 9.364 min Scan# 2866

Delta R.T. 0.010 min

Lab File: VL041768.D

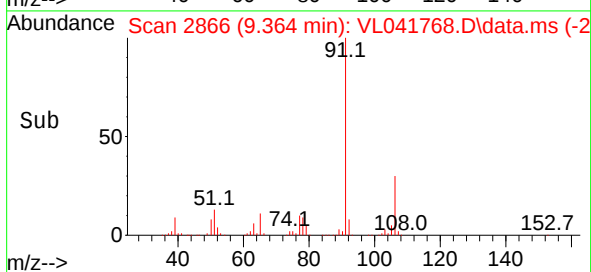
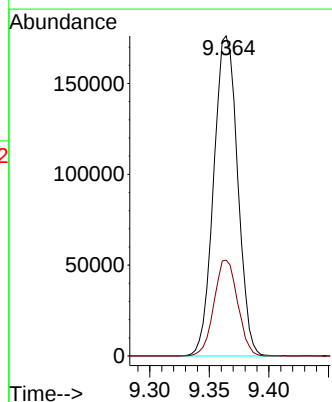
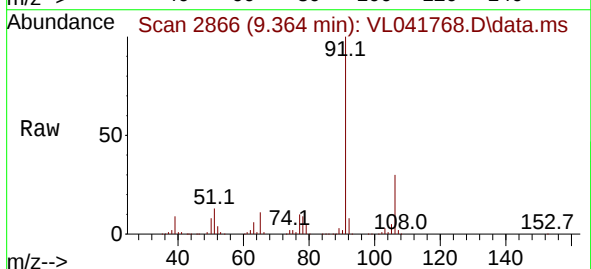
Acq: 17 Dec 2024 00:57

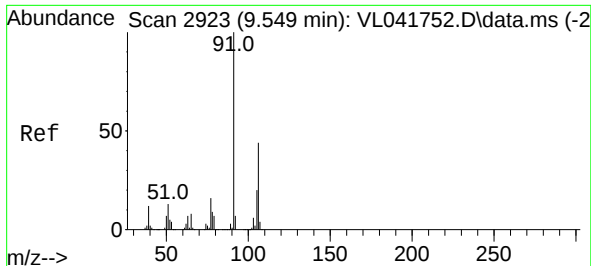
Tgt Ion: 91 Resp: 245908

Ion Ratio Lower Upper

91 100

106 29.9 23.5 35.3





#59

m/p-Xylene

Concen: 10.127 ppbv

RT: 9.562 min Scan# 201782

Delta R.T. 0.013 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

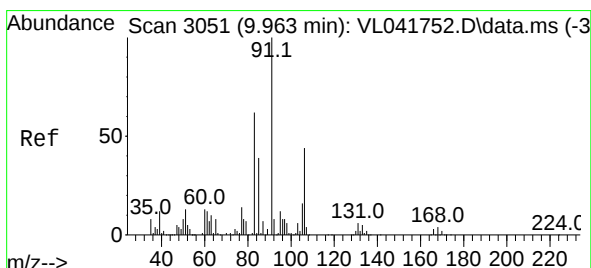
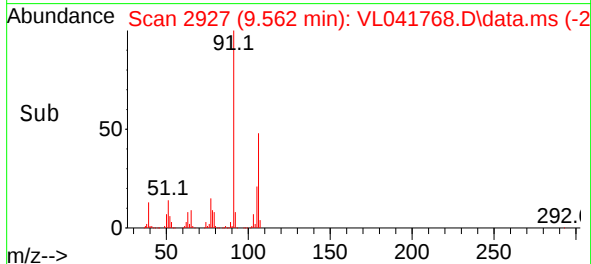
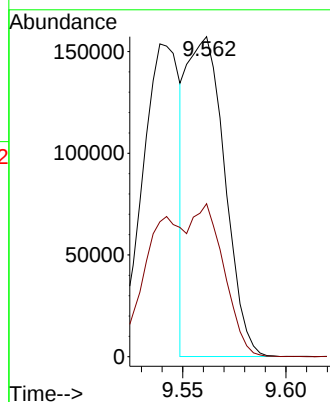
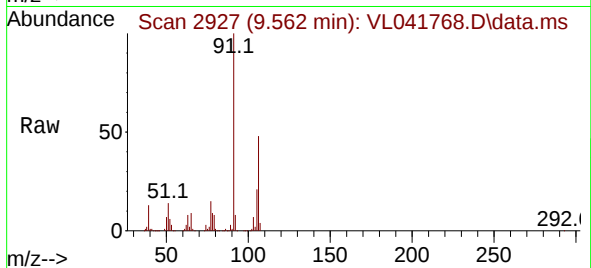
ClientSampleId :

Tgt Ion: 91 Resp: 201782

Ion Ratio Lower Upper

91 100

106 88.3 0.0 0.0#



#60

o-Xylene

Concen: 9.991 ppbv

RT: 9.973 min Scan# 3054

Delta R.T. 0.010 min

Lab File: VL041768.D

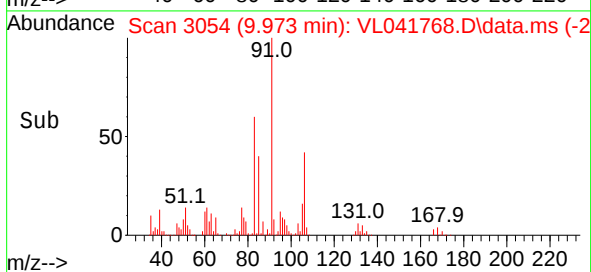
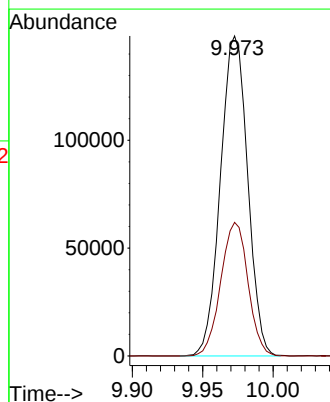
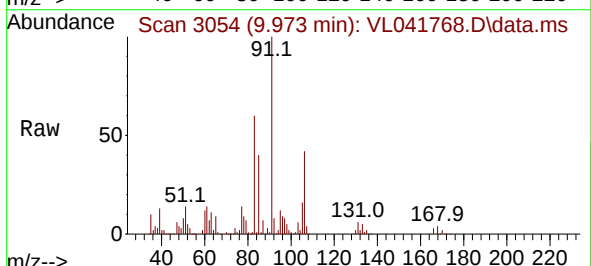
Acq: 17 Dec 2024 00:57

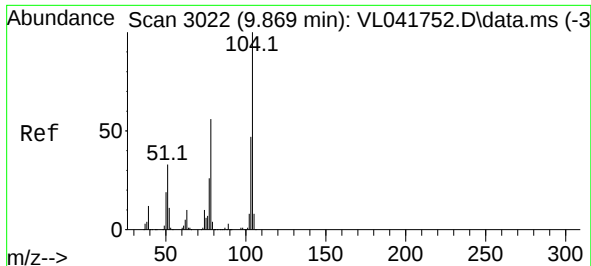
Tgt Ion: 91 Resp: 199635

Ion Ratio Lower Upper

91 100

106 41.8 21.1 63.4

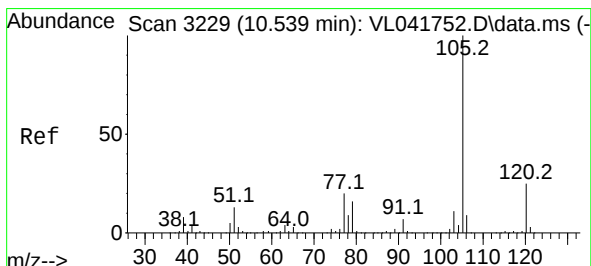
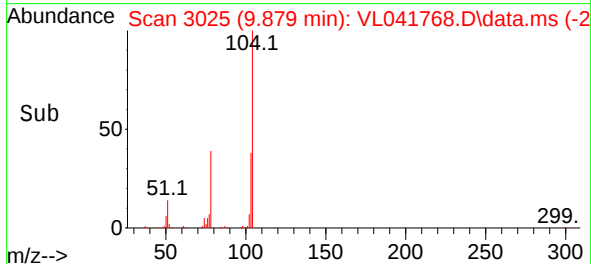
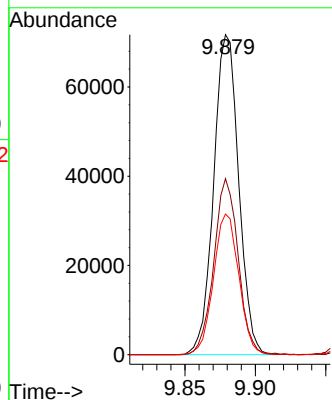
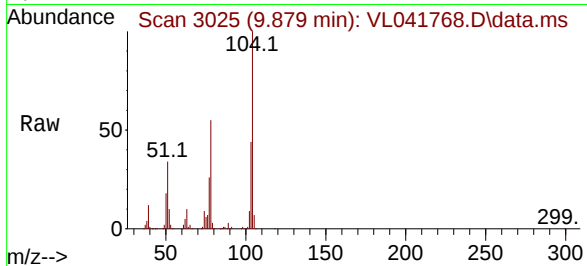




#61
Styrene
Concen: 10.274 ppbv
RT: 9.879 min Scan# 3022
Delta R.T. 0.010 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

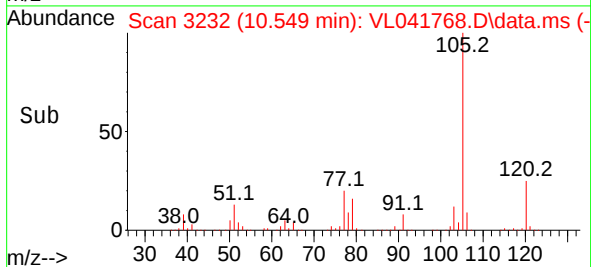
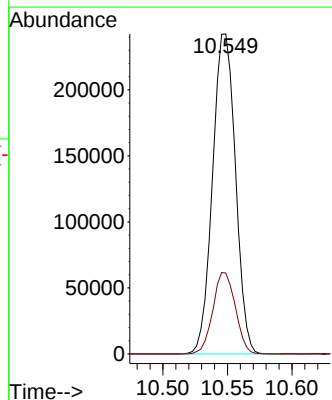
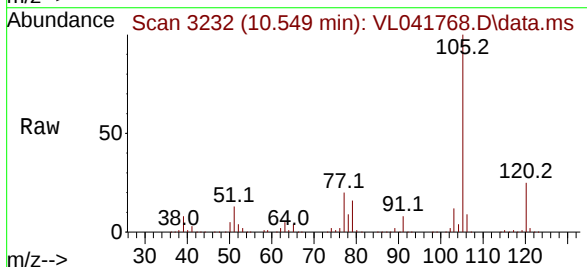
Instrument :
MSVOA_L
ClientSampleId :

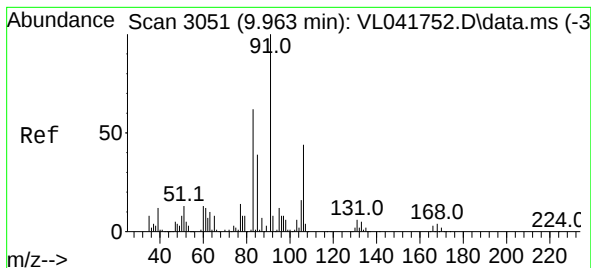
Tgt Ion:104 Resp: 88772
Ion Ratio Lower Upper
104 100
78 53.5 43.8 65.6
103 44.7 37.8 56.6



#62
Isopropylbenzene
Concen: 9.959 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.010 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

Tgt Ion:105 Resp: 298974
Ion Ratio Lower Upper
105 100
120 24.9 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 9.326 ppbv

RT: 9.969 min Scan# 3051

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

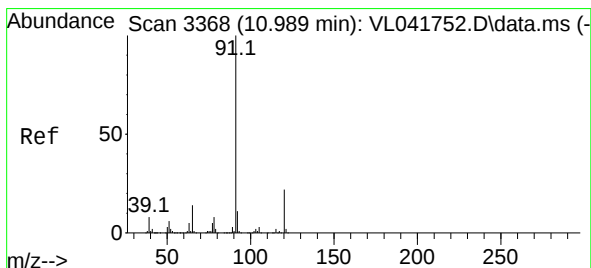
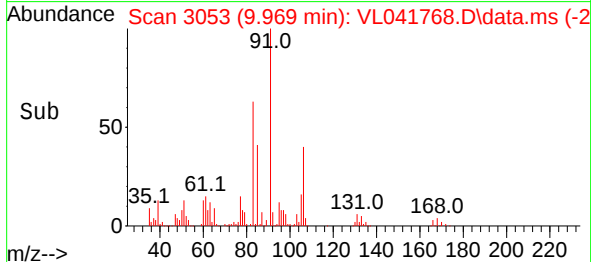
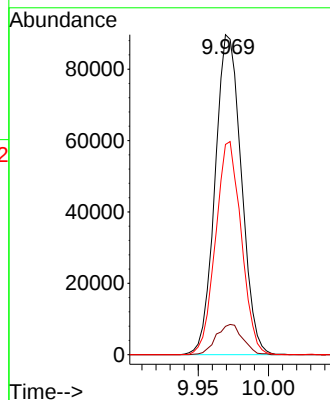
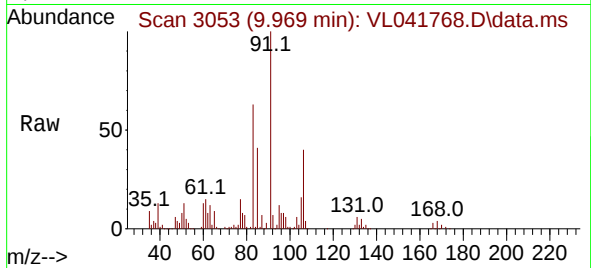
Tgt Ion: 83 Resp: 116651

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

85 65.1 32.0 96.2



#64

n-propylbenzene

Concen: 9.540 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.006 min

Lab File: VL041768.D

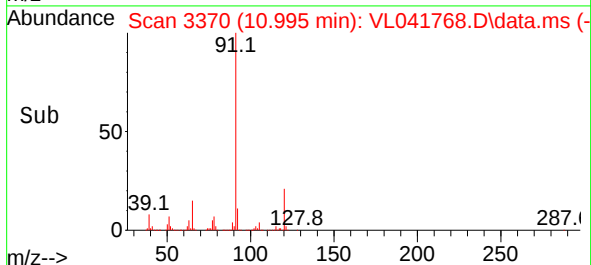
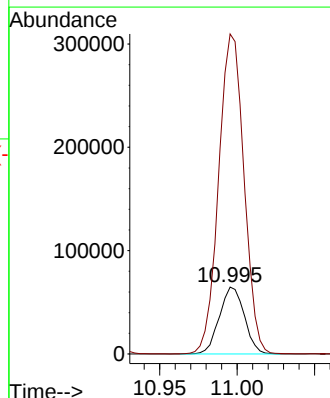
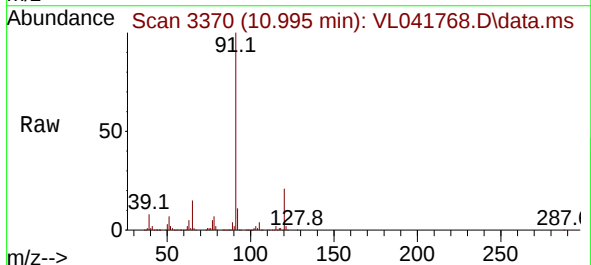
Acq: 17 Dec 2024 00:57

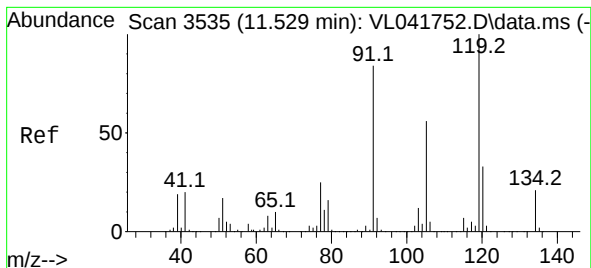
Tgt Ion:120 Resp: 72410

Ion Ratio Lower Upper

120 100

91 487.0 387.3 580.9





#65

tert-Butylbenzene

Concen: 9.524 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

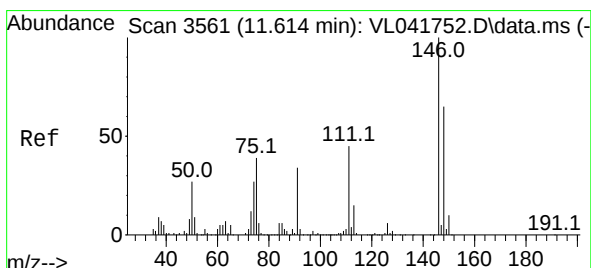
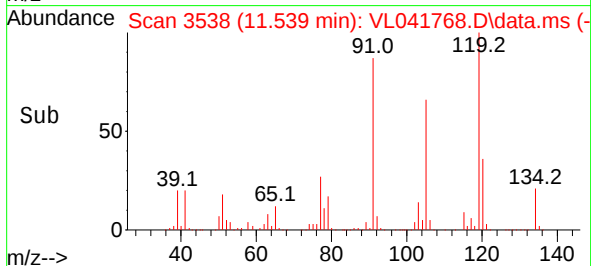
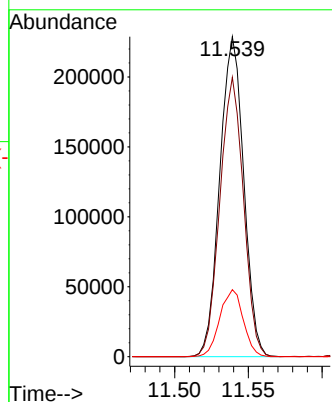
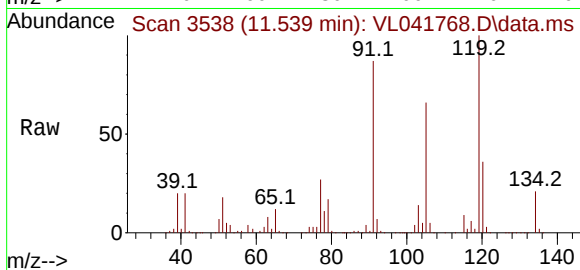
Tgt Ion:119 Resp: 257953

Ion Ratio Lower Upper

119 100

91 86.1 67.0 100.4

134 20.5 16.5 24.7



#66

Benzyl Chloride

Concen: 6.810 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

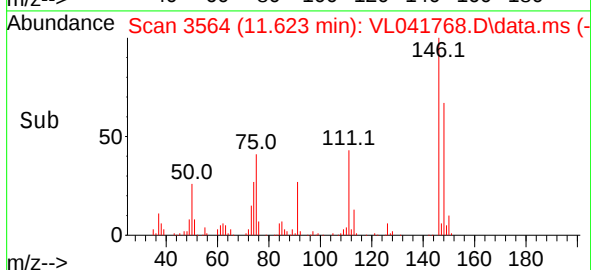
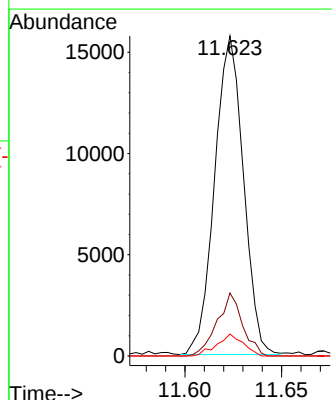
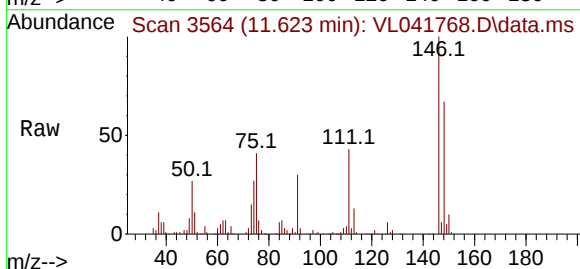
Tgt Ion: 91 Resp: 16248

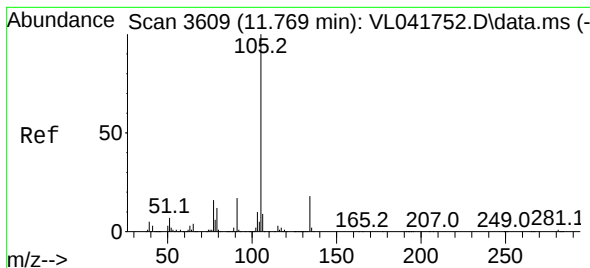
Ion Ratio Lower Upper

91 100

126 17.5 13.9 20.9

128 6.3 4.4 6.6





#67

sec-Butylbenzene

Concen: 9.526 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

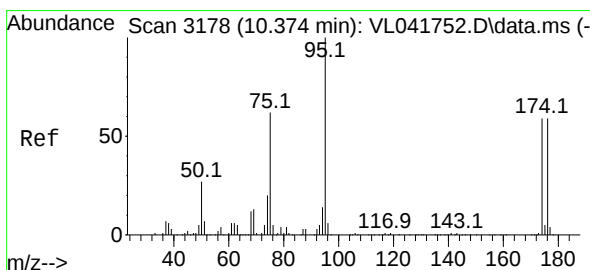
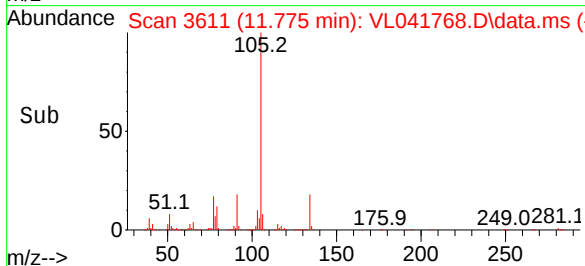
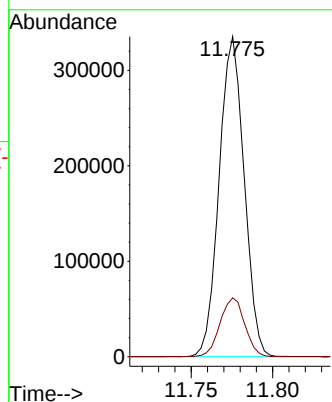
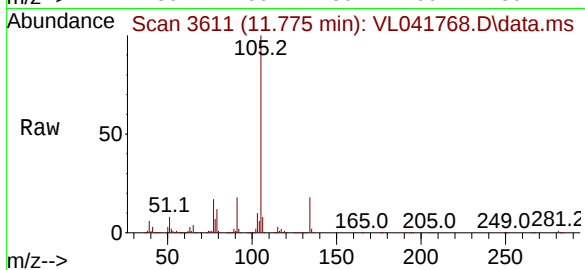
ClientSampleId :

Tgt Ion:105 Resp: 357030

Ion Ratio Lower Upper

105 100

134 18.2 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.190 ppbv

RT: 10.384 min Scan# 3181

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

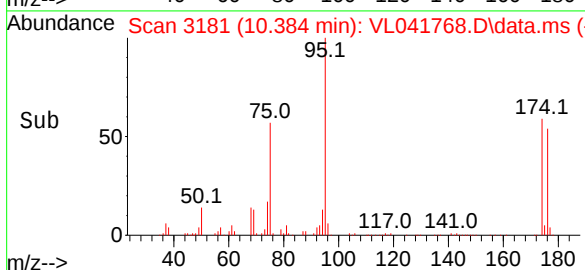
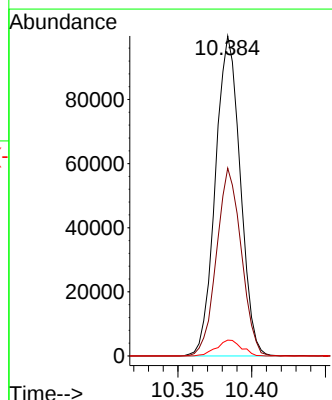
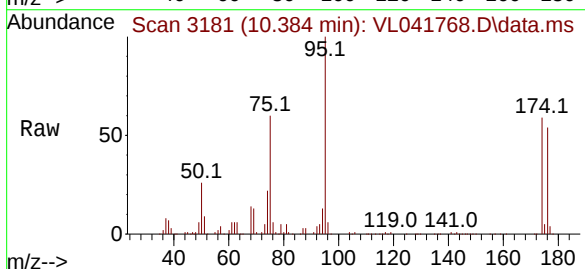
Tgt Ion: 95 Resp: 116882

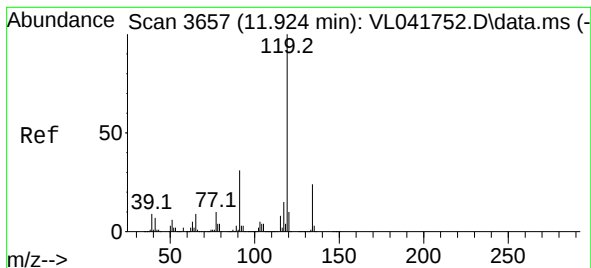
Ion Ratio Lower Upper

95 100

174 58.5 47.6 71.4

175 5.0 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.359 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. 0.010 min

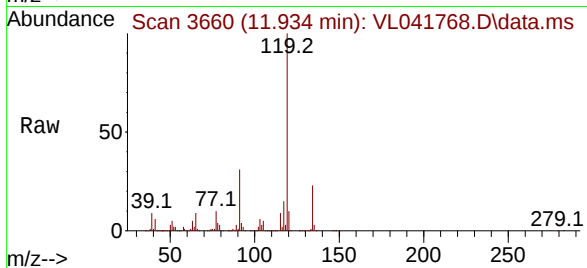
Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :



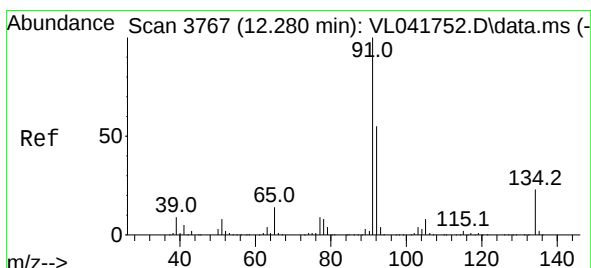
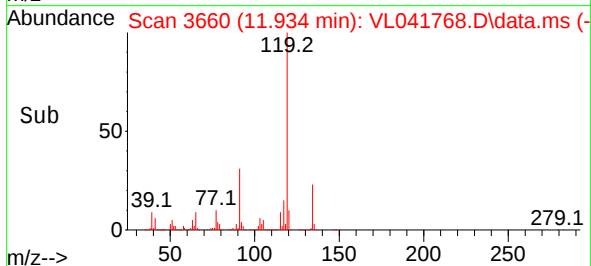
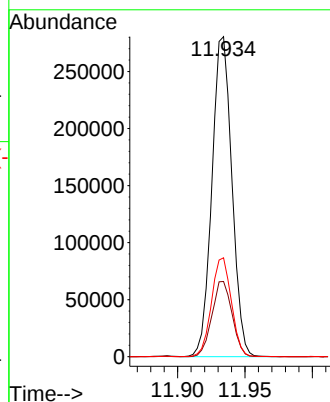
Tgt Ion:119 Resp: 289099

Ion Ratio Lower Upper

119 100

134 23.9 19.6 29.4

91 30.9 24.4 36.6



#70

n-Butylbenzene

Concen: 9.209 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

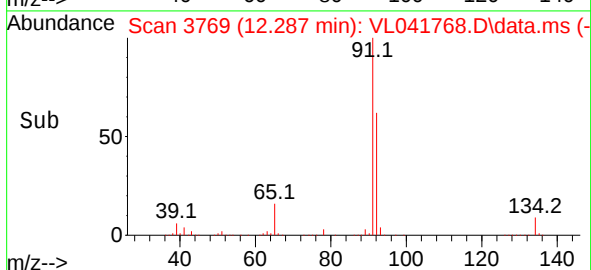
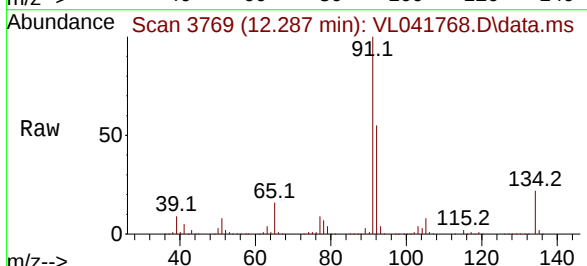
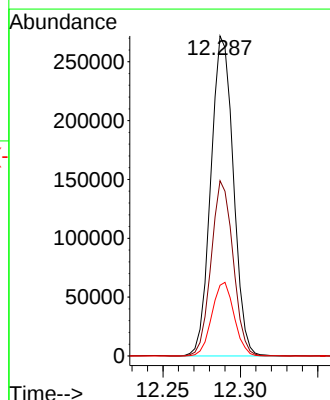
Tgt Ion: 91 Resp: 274850

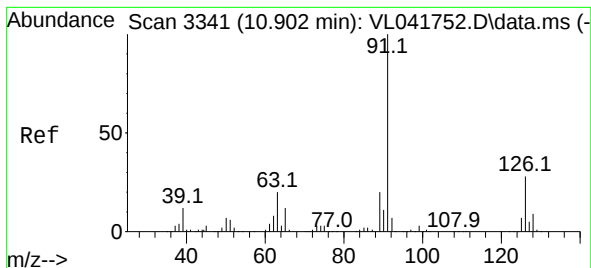
Ion Ratio Lower Upper

91 100

92 53.4 43.2 64.8

134 22.7 18.2 27.4





#71

2-Chlorotoluene

Concen: 9.395 ppbv

RT: 10.908 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

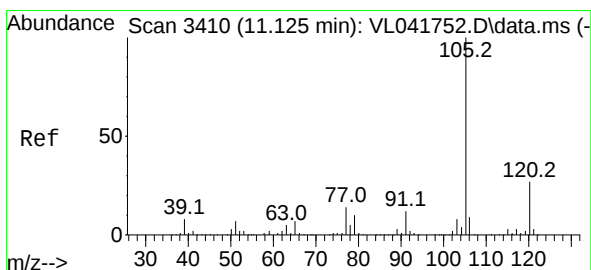
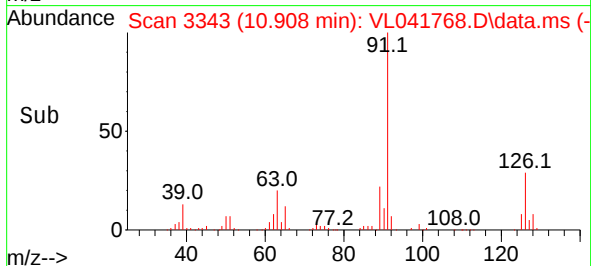
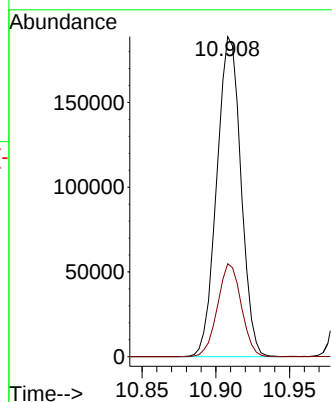
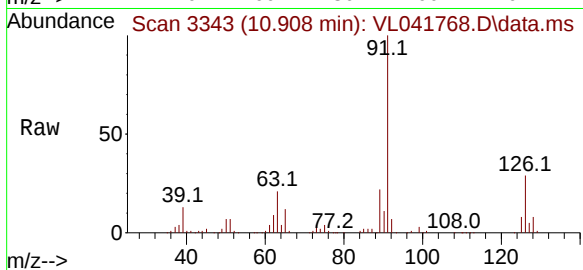
ClientSampleId :

Tgt Ion: 91 Resp: 215278

Ion Ratio Lower Upper

91 100

126 28.5 11.6 46.4



#72

4-Ethyltoluene

Concen: 9.622 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Tgt Ion:105 Resp: 226930

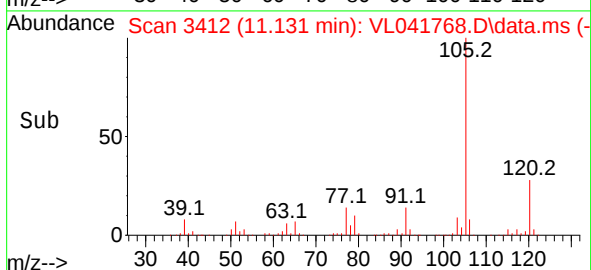
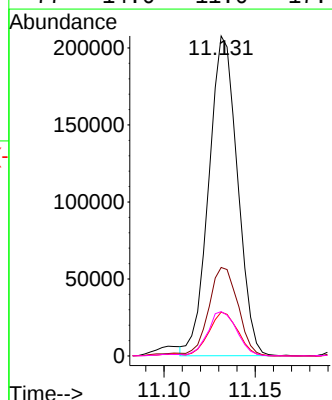
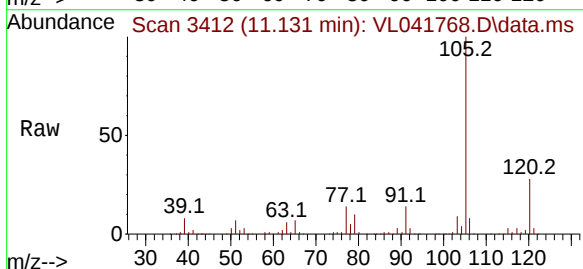
Ion Ratio Lower Upper

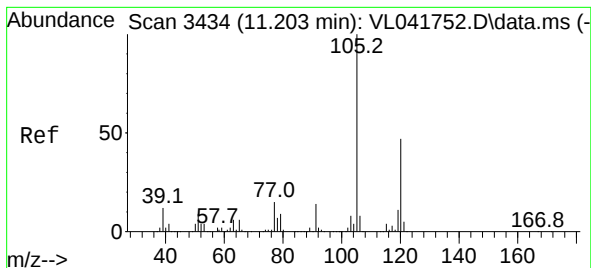
105 100

120 28.9 23.3 34.9

91 14.5 10.9 16.3

77 14.6 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.924 ppbv

RT: 11.212 min Scan# 3434

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

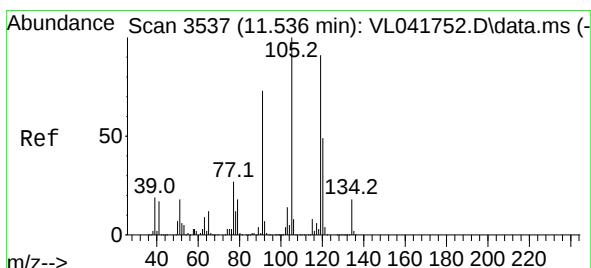
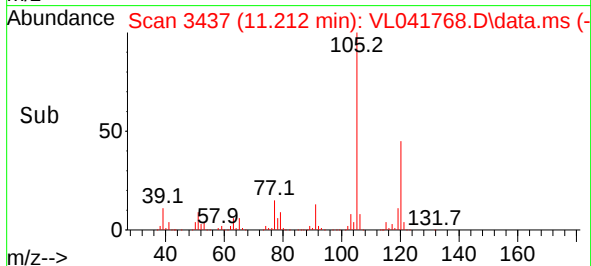
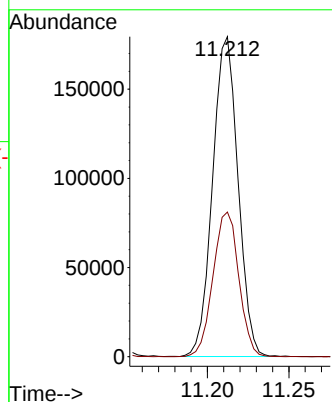
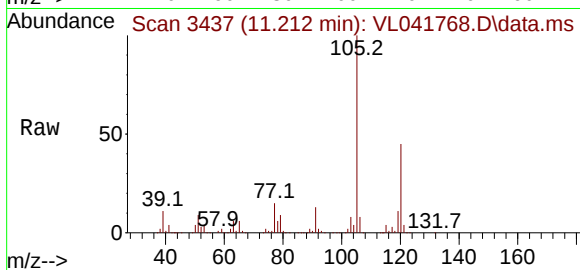
ClientSampleId :

Tgt Ion:105 Resp: 194190

Ion Ratio Lower Upper

105 100

120 45.2 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 9.775 ppbv

RT: 11.546 min Scan# 3540

Delta R.T. 0.010 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Tgt Ion:105 Resp: 205687

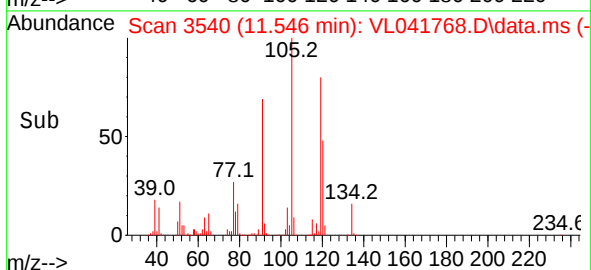
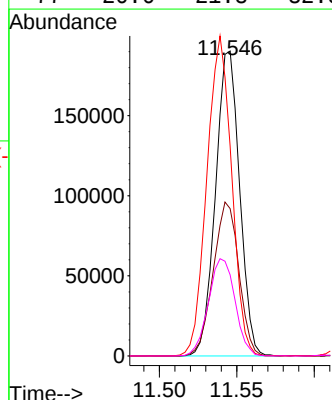
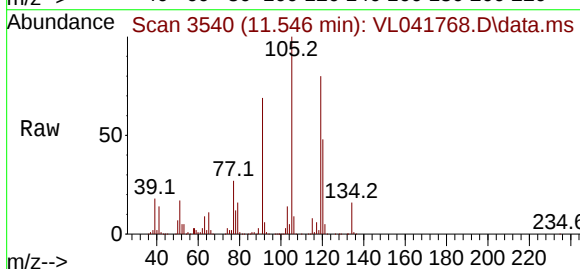
Ion Ratio Lower Upper

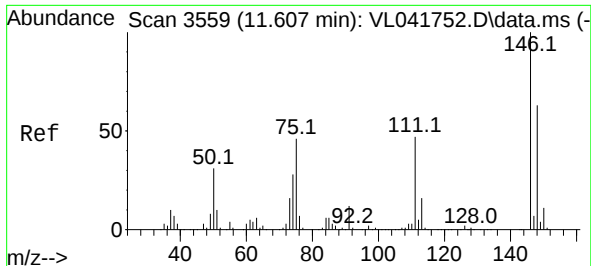
105 100

120 48.3 39.0 58.4

91 68.8 58.1 87.1

77 26.6 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 8.679 ppbv

RT: 11.614 min Scan# 3561

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

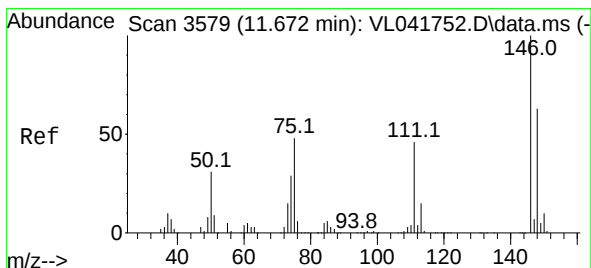
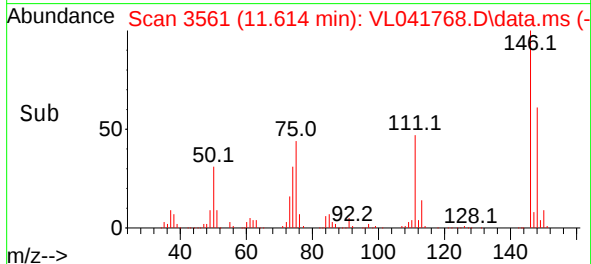
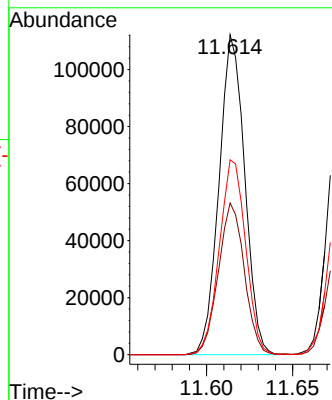
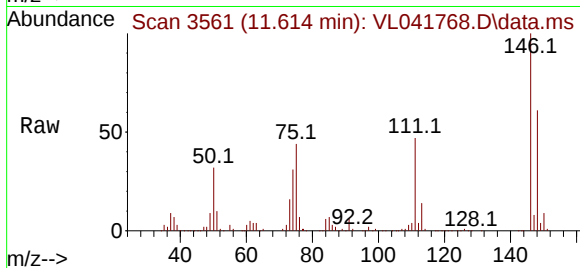
Tgt Ion:146 Resp: 116440

Ion Ratio Lower Upper

146 100

111 48.0 23.4 70.3

148 62.8 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 8.595 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

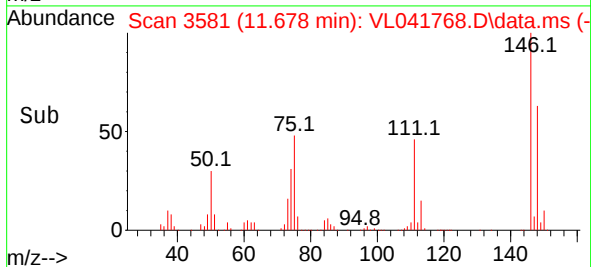
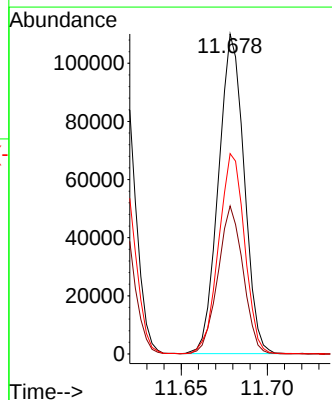
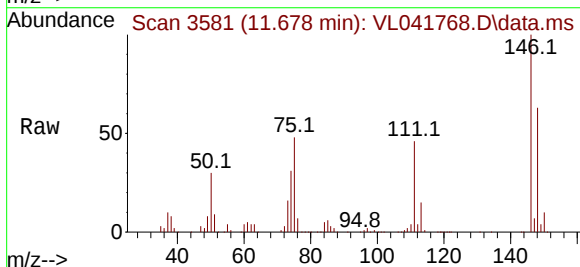
Tgt Ion:146 Resp: 113920

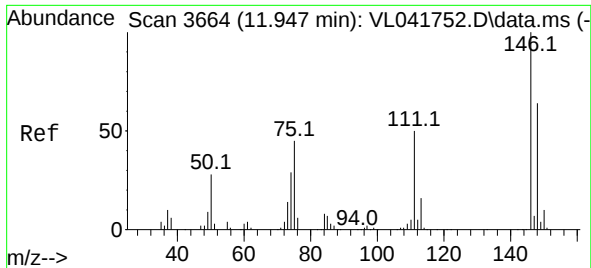
Ion Ratio Lower Upper

146 100

111 45.5 22.7 68.1

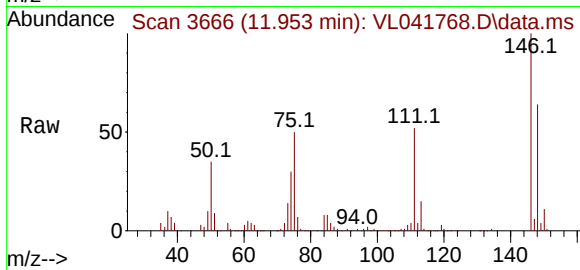
148 63.7 31.4 94.0



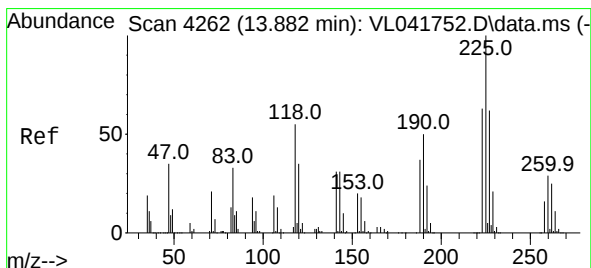
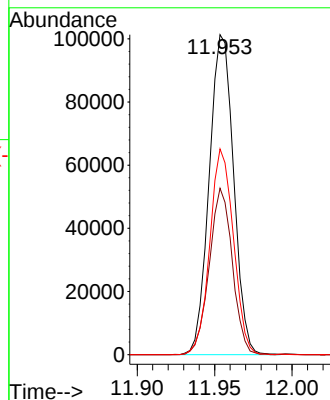
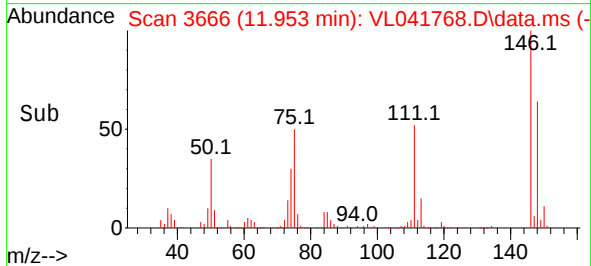


#77
1,2-Dichlorobenzene
Concen: 8.600 ppbv
RT: 11.953 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57

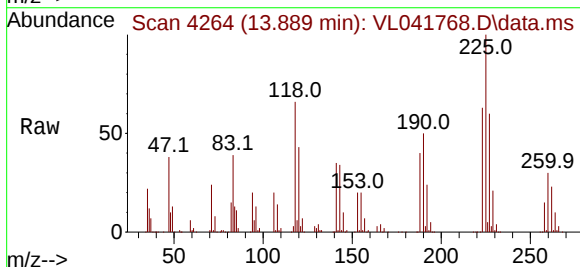
Instrument :
MSVOA_L
ClientSampleId :



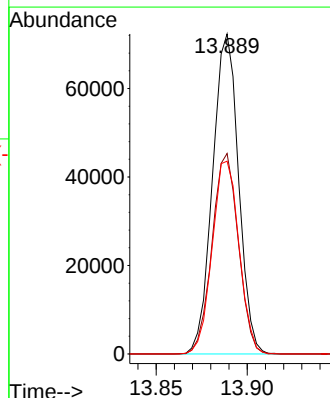
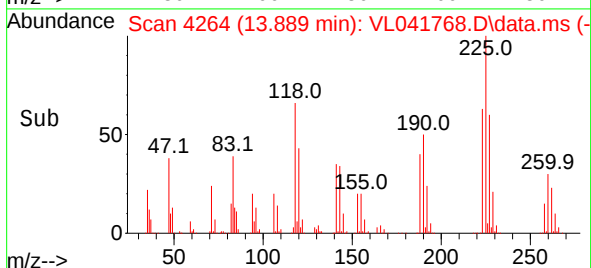
Tgt Ion:146 Resp: 111014
Ion Ratio Lower Upper
146 100
111 49.2 24.8 74.3
148 62.3 31.8 95.4

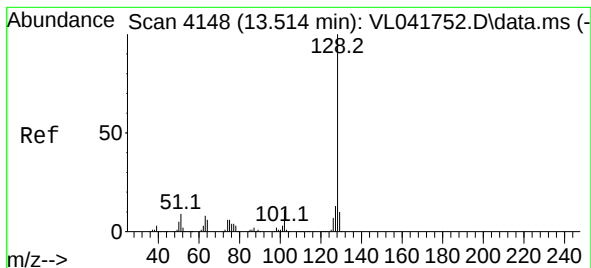


#78
Hexachloro-1,3-Butadiene
Concen: 7.495 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.006 min
Lab File: VL041768.D
Acq: 17 Dec 2024 00:57



Tgt Ion:225 Resp: 71736
Ion Ratio Lower Upper
225 100
223 63.4 50.5 75.7
227 62.4 50.3 75.5





#79

Naphthalene

Concen: 10.143 ppbv

RT: 13.520 min Scan# 4148

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :

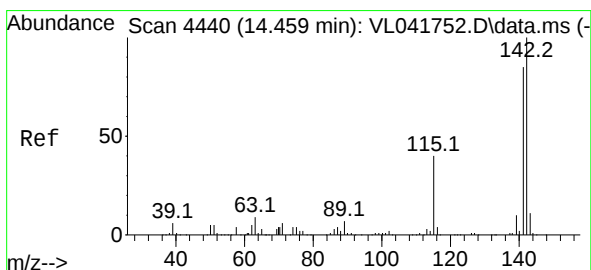
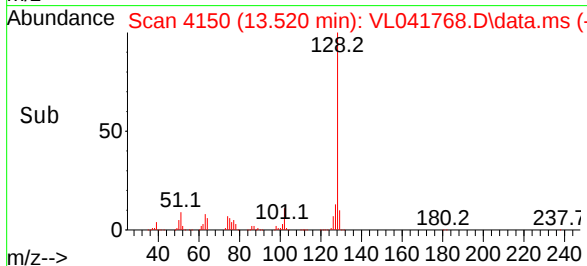
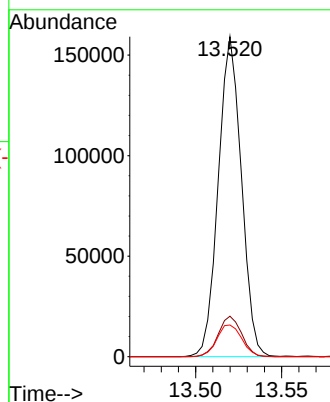
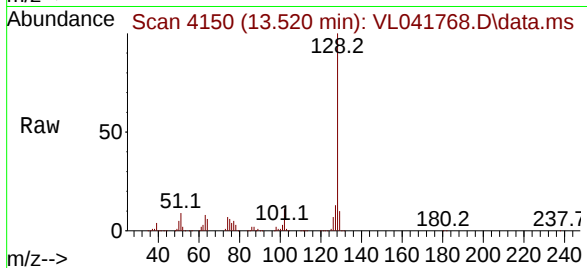
Tgt Ion:128 Resp: 148712

Ion Ratio Lower Upper

128 100

127 12.7 10.7 16.1

129 9.9 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 12.538 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.006 min

Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

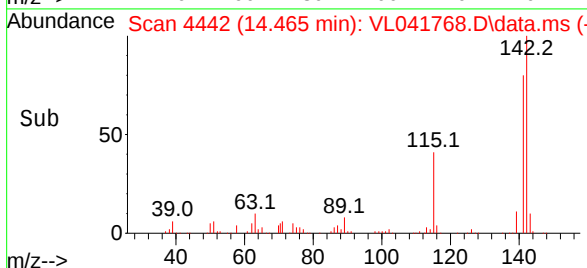
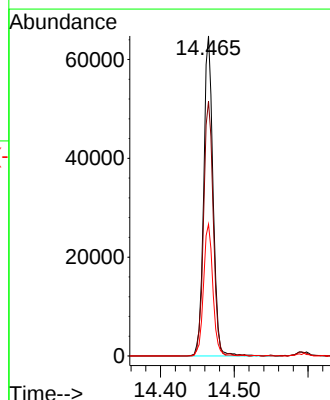
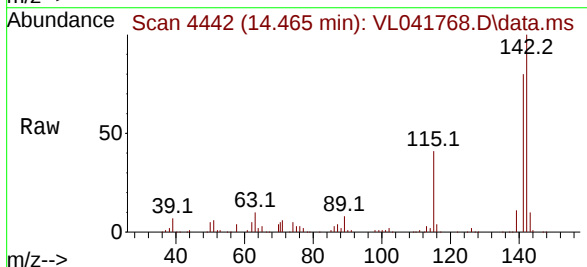
Tgt Ion:142 Resp: 56861

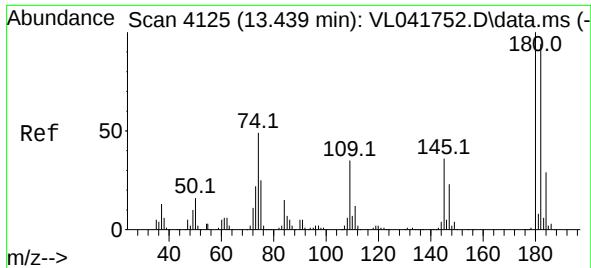
Ion Ratio Lower Upper

142 100

141 83.0 68.4 102.6

115 41.5 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 8.924 ppbv

RT: 13.446 min Scan# 41

Delta R.T. 0.006 min

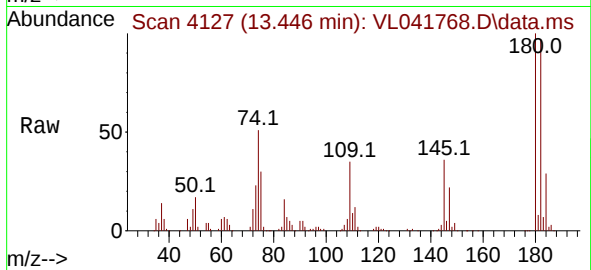
Lab File: VL041768.D

Acq: 17 Dec 2024 00:57

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 71501

Ion Ratio Lower Upper

180 100

182 94.4 77.0 115.6

184 30.3 23.8 35.8

