

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121924\
 Data File : VL041820.D
 Acq On : 19 Dec 2024 14:49
 Operator : SY/MD
 Sample : VL1219ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 20 01:43:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	2.787	49	80796	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	195963	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	168530	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	146093	10.403	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	108662	7.558	ppbv	96
3) Chlorodifluoromethane	1.476	51	118722	9.010	ppbv	99
4) Chloromethane	1.534	50	54124	9.622	ppbv	98
5) Vinyl Chloride	1.580	62	49185	8.679	ppbv	99
6) Bromomethane	1.667	94	22812	8.530	ppbv	97
7) Chloroethane	1.706	64	19927	9.052	ppbv	92
8) Dichlorotetrafluoroethane	1.554	85	116539	9.057	ppbv	94
9) Propene	1.483	41	42133	7.377	ppbv	97
10) Heptane	4.985	43	126583	8.629	ppbv	99
11) Trichlorofluoromethane	1.877	101	138063	9.041	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	100710	8.671	ppbv	97
13) Ethanol	1.722	45	3547	7.501	ppbv	93
14) Bromoethene	1.784	108	33699	8.594	ppbv	99
15) Acetone	1.835	43	120575	7.670	ppbv	99
16) 1,3-Butadiene	1.609	39	57220	9.244	ppbv	96
17) tert-Butyl alcohol	2.039	59	136270	8.738	ppbv	100
18) 1,1-Dichloroethene	2.036	96	42177	8.662	ppbv	93
19) Isopropyl Alcohol	1.887	45	68559	7.268	ppbv #	37
20) Methylene Chloride	2.062	84	38360	8.557	ppbv	97
21) Allyl Chloride	2.097	41	79053	9.272	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	46926	8.419	ppbv	95
23) Vinyl Acetate	2.463	43	54979	7.532	ppbv #	94
24) 1,1-Dichloroethane	2.408	63	102839	9.115	ppbv	97
25) Ethyl Acetate	2.835	43	264649	9.050	ppbv	99
26) Hexane	2.829	57	95013	8.561	ppbv	92
27) Carbon Disulfide	2.152	76	87254	8.724	ppbv	95
28) Methyl tert-Butyl Ether	2.441	73	67180	7.462	ppbv	98
29) Chloroform	2.848	83	155646	9.203	ppbv	100
30) Cyclohexane	3.858	84	76745	8.127	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	94585	8.248	ppbv	97
32) 1,1,1-Trichloroethane	3.369	97	149002	8.666	ppbv	97
34) 2-Butanone	2.557	43	149437	9.479	ppbv	99
35) Carbon Tetrachloride	3.768	117	151465	10.888	ppbv	98
36) Benzene	3.658	78	189976	9.372	ppbv	99
37) 1,2-Dichloroethane	3.217	62	124857	9.899	ppbv	100
38) Trichloroethene	4.551	130	71837	8.349	ppbv	95
39) 1,2-Dichloropropane	4.315	63	68691	9.370	ppbv	94
40) 1,4-Dioxane	4.583	88	33777	9.431	ppbv #	98
41) Tetrahydrofuran	3.056	42	80588	9.124	ppbv	98
42) Bromodichloromethane	4.493	83	153057	10.548	ppbv	99
43) Methyl Methacrylate	4.884	69	70969	9.189	ppbv	98
44) 2,2,4-Trimethylpentane	4.645	57	334274	9.656	ppbv	97
45) t-1,3-Dichloropropene	6.418	75	67173	8.408	ppbv	96

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

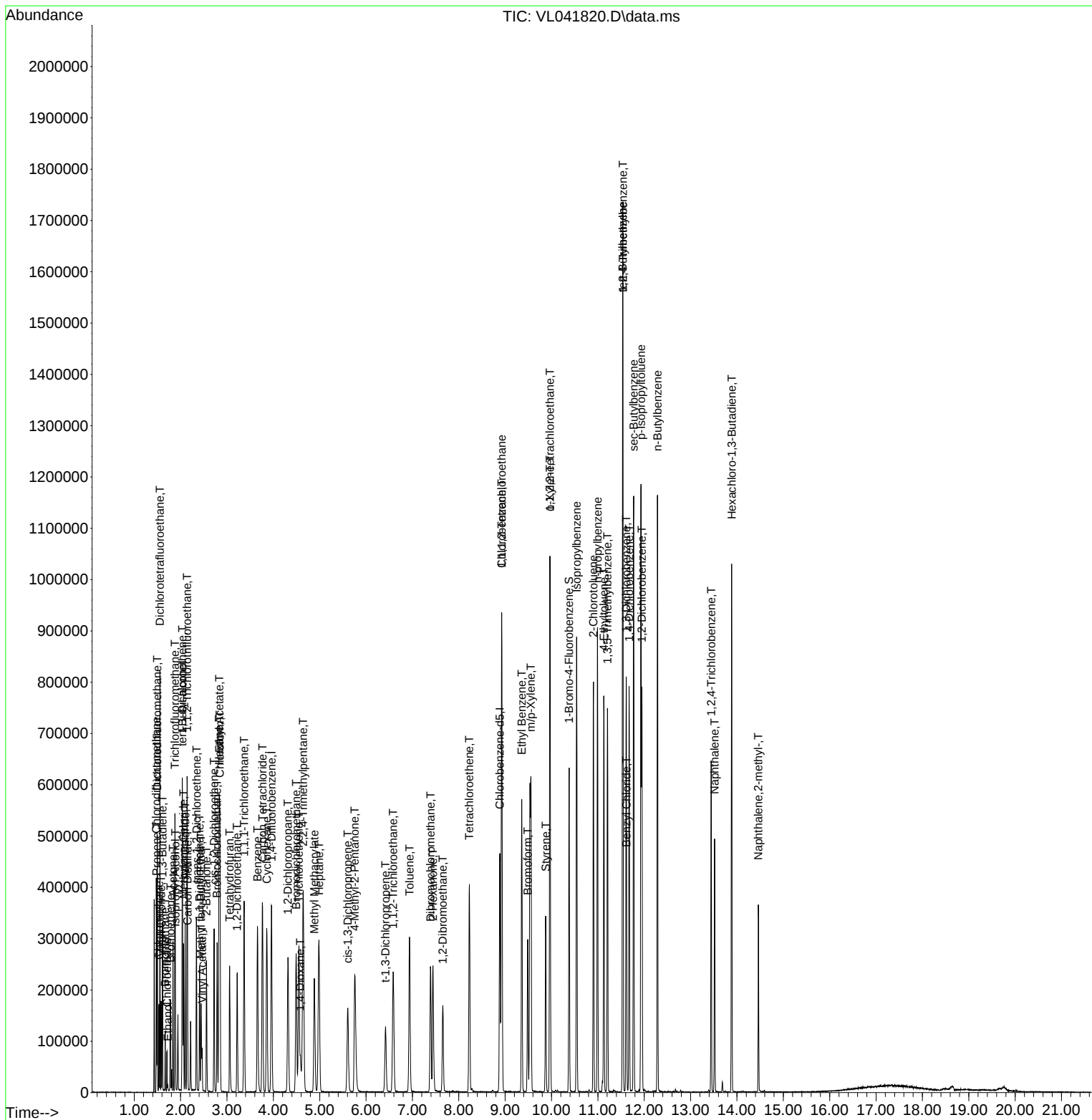
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 ClientSampleId :

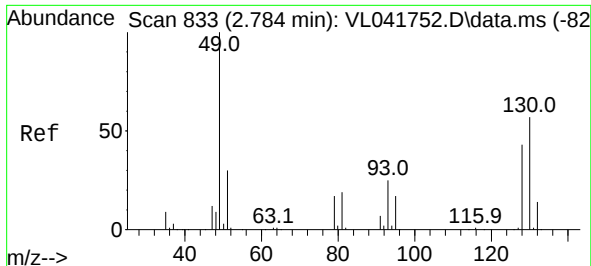
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	88947	8.771	ppbv	97
47) 1,1,2-Trichloroethane	6.583	97	72669	9.490	ppbv	96
48) Dibromochloromethane	7.389	129	108637	10.390	ppbv	100
49) Bromoform	9.487	173	88652	10.358	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	206750	9.632	ppbv	98
51) 2-Hexanone	7.441	43	162349	9.331	ppbv #	97
52) Tetrachloroethene	8.228	164	61791	8.190	ppbv	93
53) Toluene	6.939	91	201582	8.771	ppbv	100
54) 1,2-Dibromoethane	7.652	107	100209	9.497	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.927	131	95280	10.664	ppbv	100
57) Chlorobenzene	8.927	112	168612	9.777	ppbv	99
58) Ethyl Benzene	9.357	91	291119	9.595	ppbv	100
59) m/p-Xylene	9.555	91	235754	9.664	ppbv #	100
60) o-Xylene	9.966	91	249559	10.201	ppbv	100
61) Styrene	9.875	104	104520	9.880	ppbv	99
62) Isopropylbenzene	10.542	105	369582	10.055	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	163278	10.662	ppbv	98
64) n-propylbenzene	10.992	120	95547	10.281	ppbv	98
65) tert-Butylbenzene	11.536	119	332294	10.020	ppbv	97
66) Benzyl Chloride	11.620	91	24851	8.507	ppbv	99
67) sec-Butylbenzene	11.772	105	480545	10.472	ppbv	100
69) p-Isopropyltoluene	11.930	119	398238	10.530	ppbv	100
70) n-Butylbenzene	12.286	91	398457	10.905	ppbv	99
71) 2-Chlorotoluene	10.904	91	278779	9.936	ppbv	99
72) 4-Ethyltoluene	11.128	105	307317	10.642	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	263169	10.984	ppbv	96
74) 1,2,4-Trimethylbenzene	11.539	105	286070	11.104	ppbv	90
75) 1,3-Dichlorobenzene	11.610	146	169639	10.327	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	167846	10.344	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	161258	10.203	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	94266	8.044	ppbv	99
79) Naphthalene	13.516	128	200671	11.178	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	85944	15.478	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	92768	9.457	ppbv	99

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

Quant Time: Dec 20 01:43:52 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

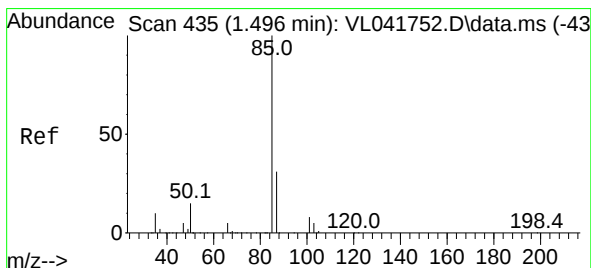
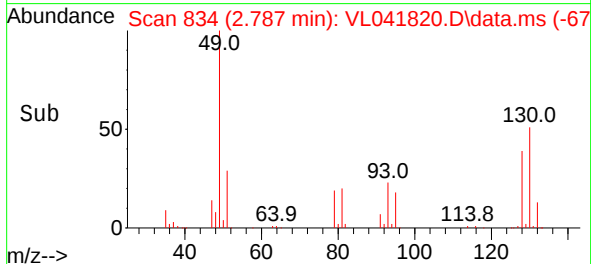
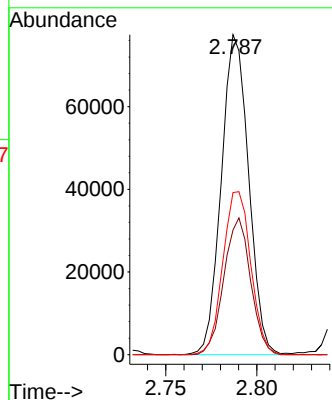
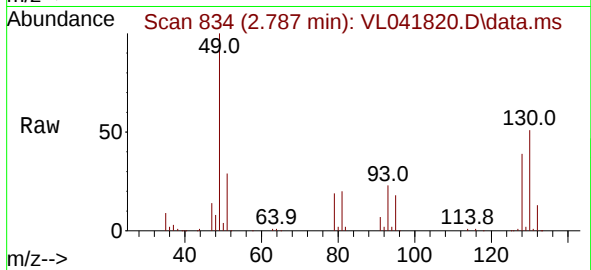




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

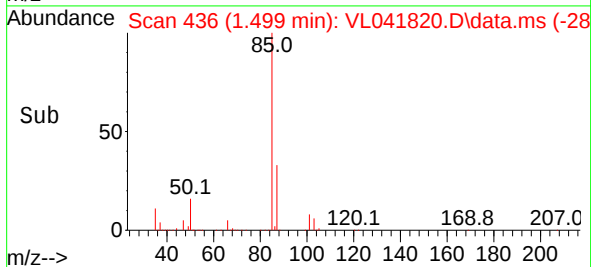
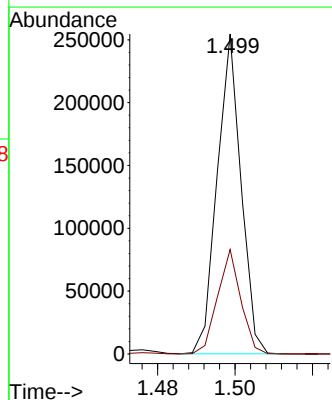
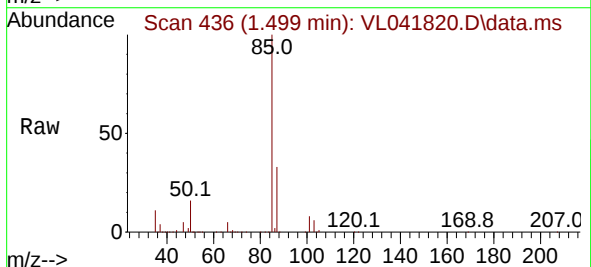
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MSVOA_L
ClientSampleId :

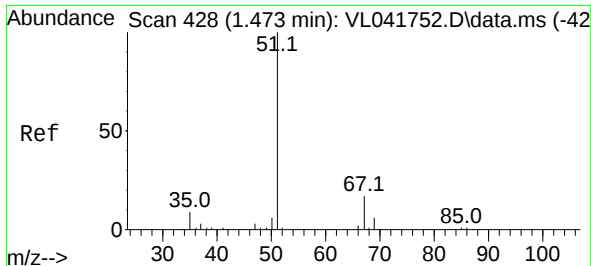
Tgt Ion: 49 Resp: 80796
Ion Ratio Lower Upper
49 100
128 41.8 21.6 64.6
130 52.1 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 7.558 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

Tgt Ion: 85 Resp: 108662
Ion Ratio Lower Upper
85 100
87 32.6 24.5 36.7

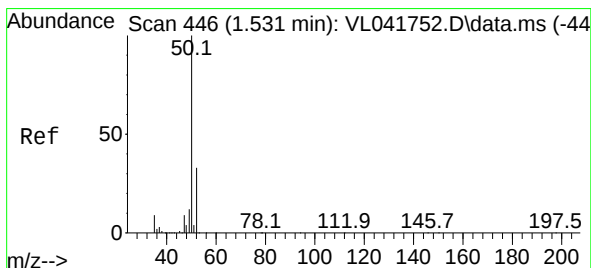
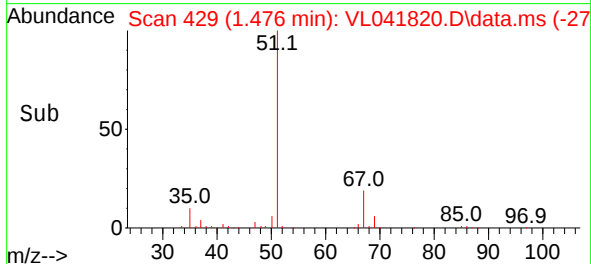
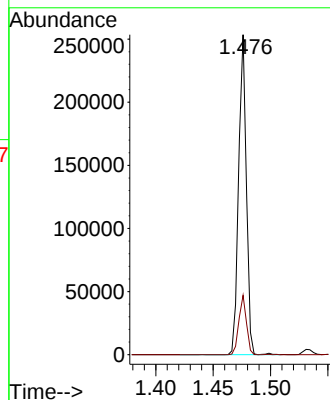
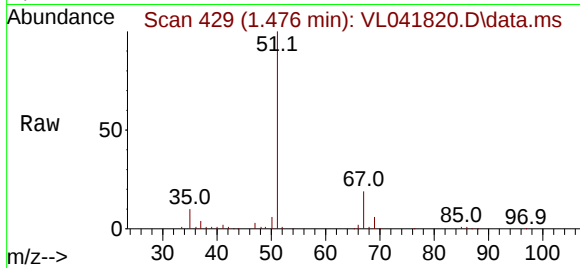




#3
Chlorodifluoromethane
Concen: 9.010 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

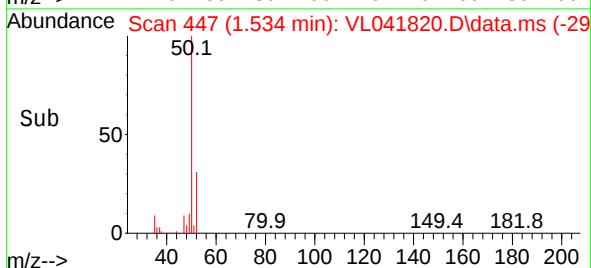
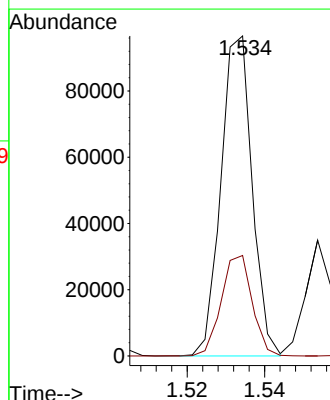
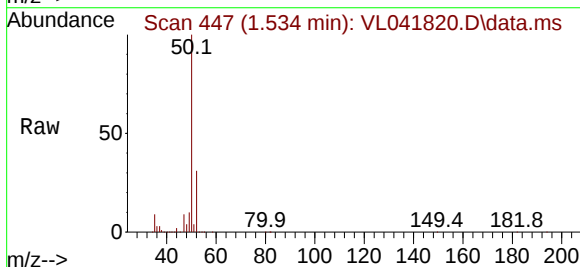
Instrument :
MSVOA_L
ClientSampleId :

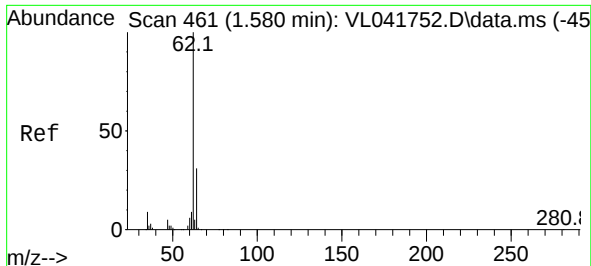
Tgt Ion: 51 Resp: 118722
Ion Ratio Lower Upper
51 100
67 18.3 15.0 22.4



#4
Chloromethane
Concen: 9.622 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

Tgt Ion: 50 Resp: 54124
Ion Ratio Lower Upper
50 100
52 31.4 26.2 39.2

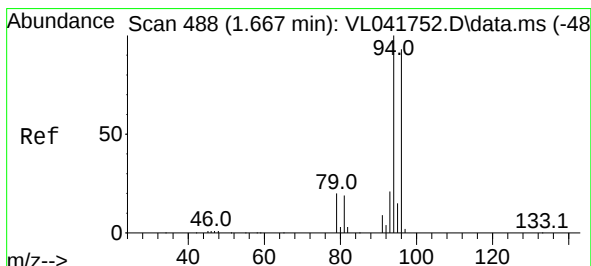
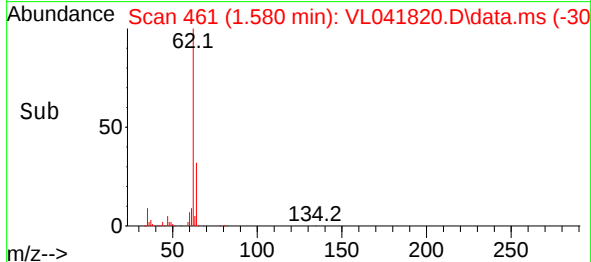
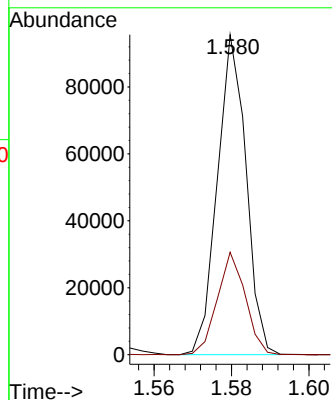
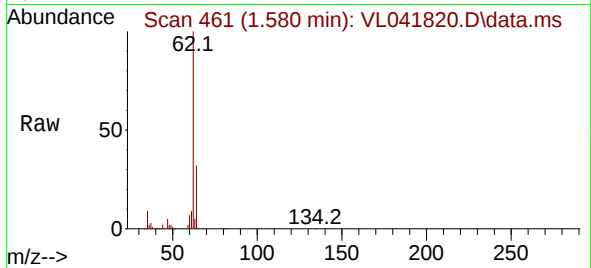




#5
 Vinyl Chloride
 Concen: 8.679 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL041820.D
 Acq: 19 Dec 2024 14:49

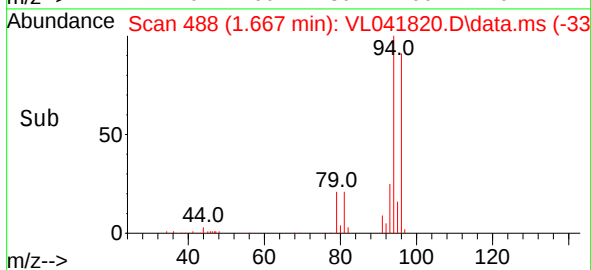
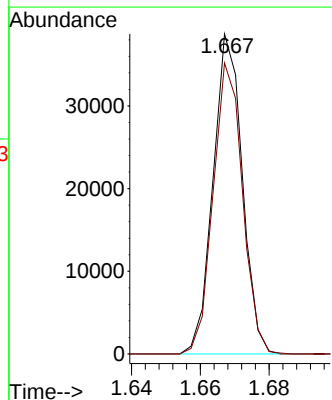
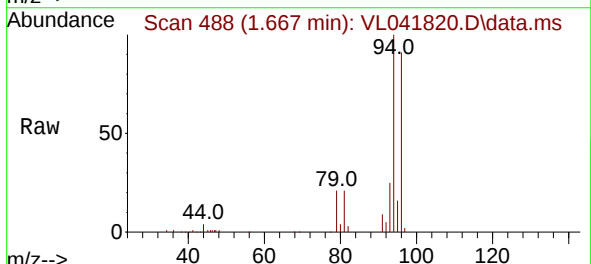
Instrument :
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 ClientSampleId :

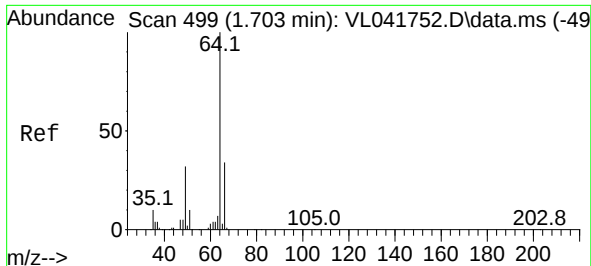
Tgt Ion: 62 Resp: 49185
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.1 37.7



#6
 Bromomethane
 Concen: 8.530 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL041820.D
 Acq: 19 Dec 2024 14:49

Tgt Ion: 94 Resp: 22812
 Ion Ratio Lower Upper
 94 100
 96 90.9 74.7 112.1

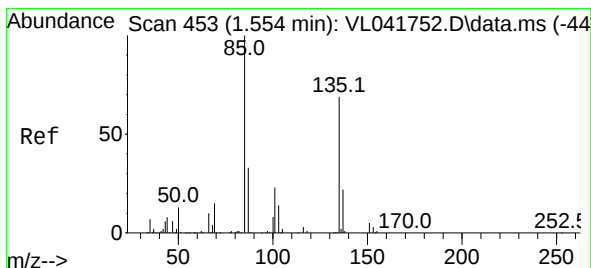
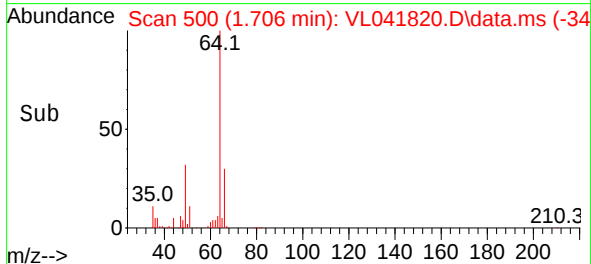
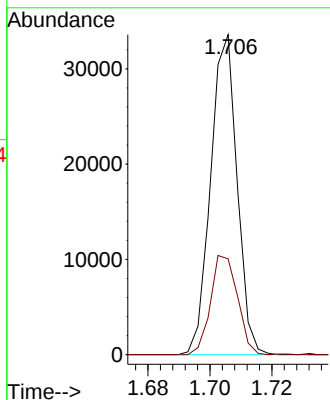
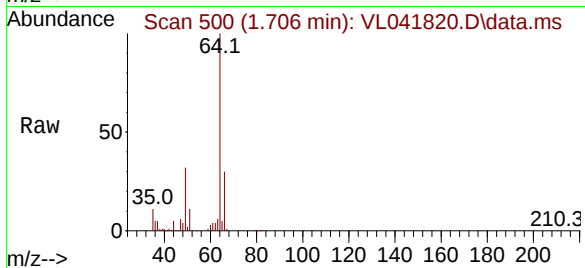




#7
Chloroethane
Concen: 9.052 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

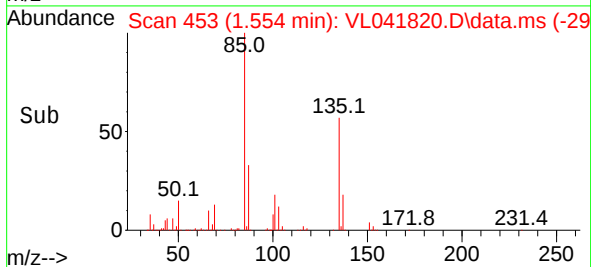
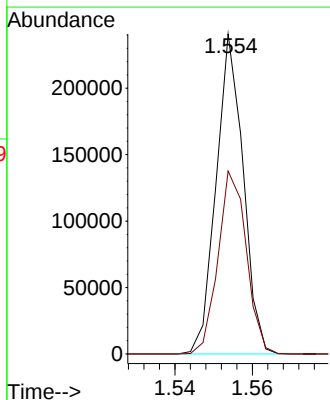
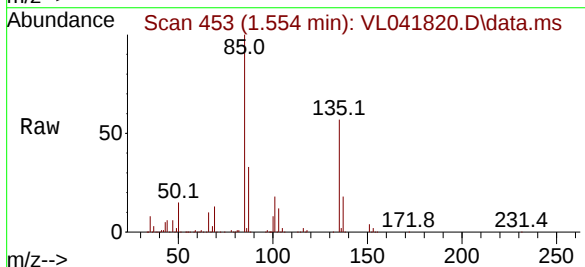
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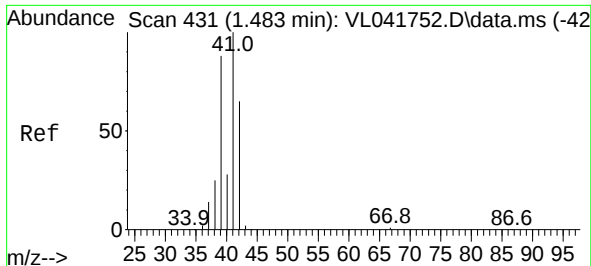
Tgt Ion: 64 Resp: 19927
Ion Ratio Lower Upper
64 100
66 29.9 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 9.057 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

Tgt Ion: 85 Resp: 116539
Ion Ratio Lower Upper
85 100
135 60.0 51.9 77.9





#9

Propene

Concen: 7.377 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

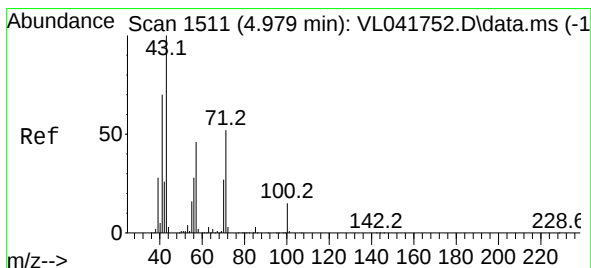
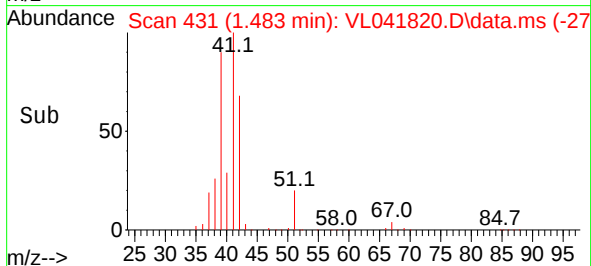
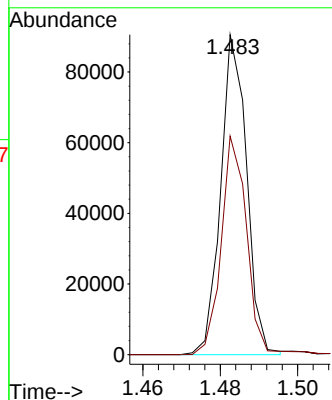
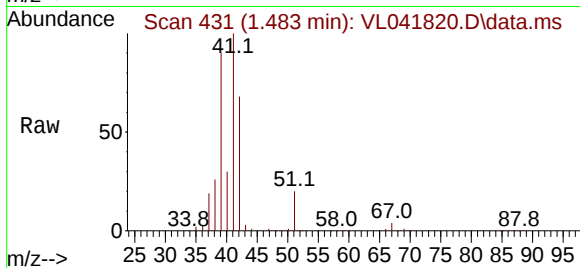
ClientSampleId :

Tgt Ion: 41 Resp: 42133

Ion Ratio Lower Upper

41 100

42 67.9 52.4 78.6



#10

Heptane

Concen: 8.629 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.006 min

Lab File: VL041820.D

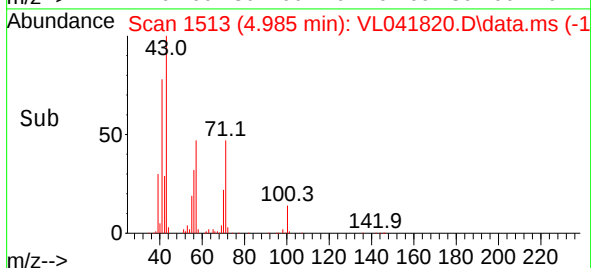
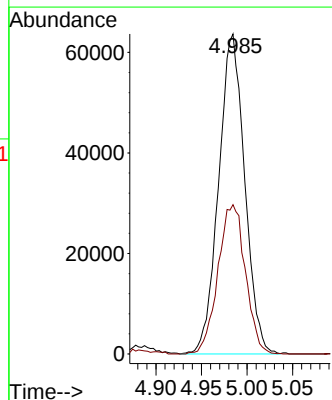
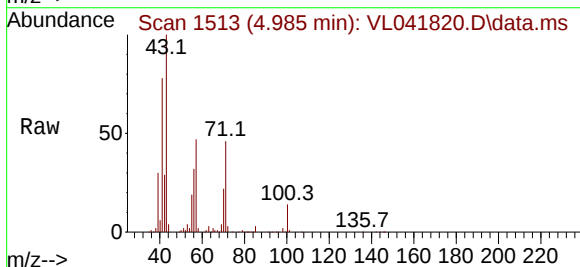
Acq: 19 Dec 2024 14:49

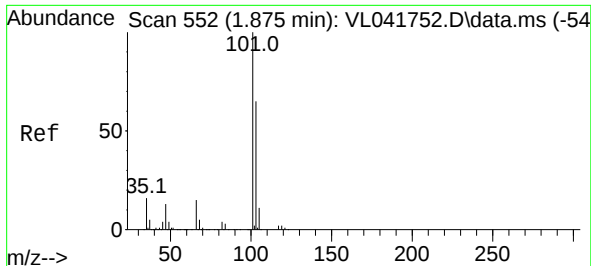
Tgt Ion: 43 Resp: 126583

Ion Ratio Lower Upper

43 100

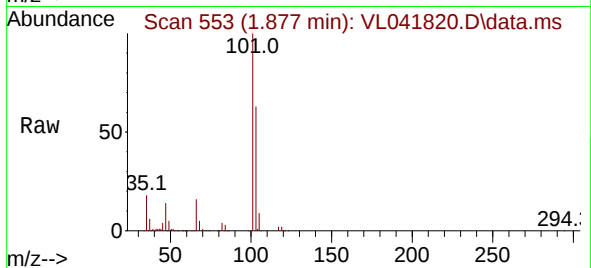
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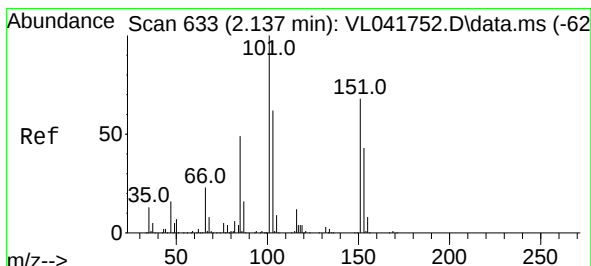
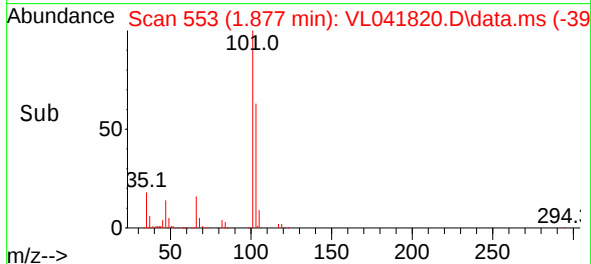
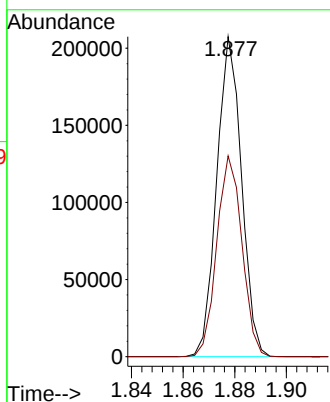


#11
Trichlorofluoromethane
Concen: 9.041 ppbv
RT: 1.877 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

Instrument :
MSVOA_L
ClientSampleId :

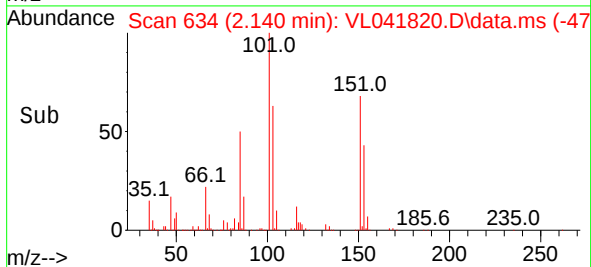
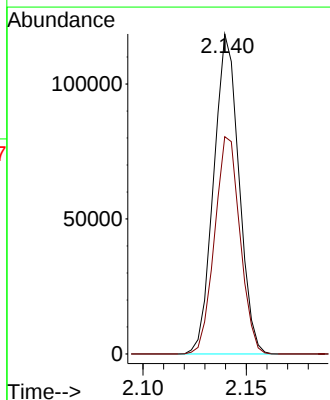
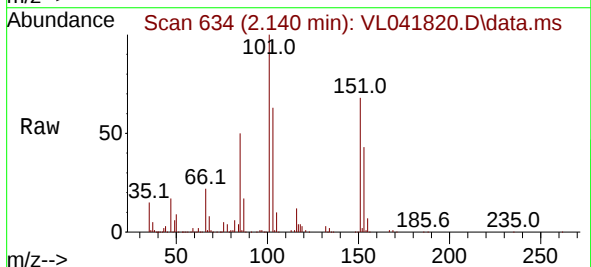


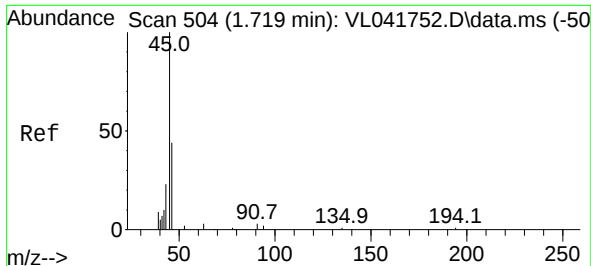
Tgt Ion:101 Resp: 138063
Ion Ratio Lower Upper
101 100
103 62.8 51.8 77.8



#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.671 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

Tgt Ion:101 Resp: 100710
Ion Ratio Lower Upper
101 100
151 68.4 56.8 85.2





#13

Ethanol

Concen: 7.501 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

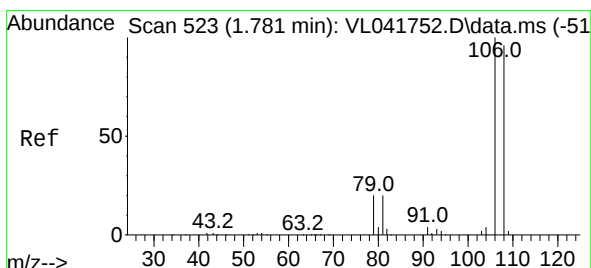
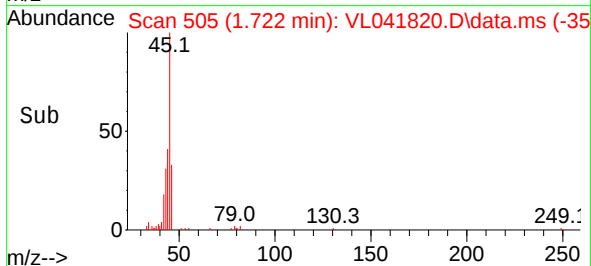
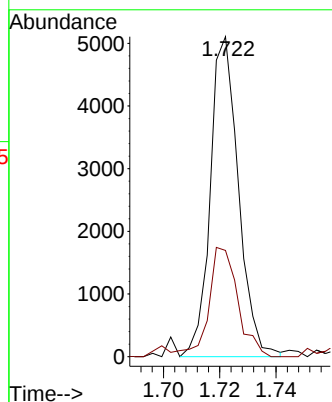
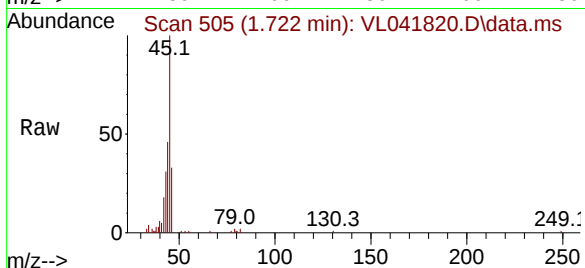
ClientSampleId :

Tgt Ion: 45 Resp: 3547

Ion Ratio Lower Upper

45 100

46 36.9 16.4 65.8



#14

Bromoethene

Concen: 8.594 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

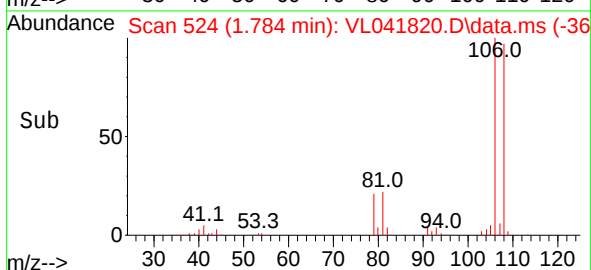
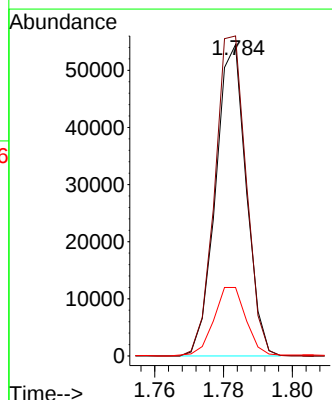
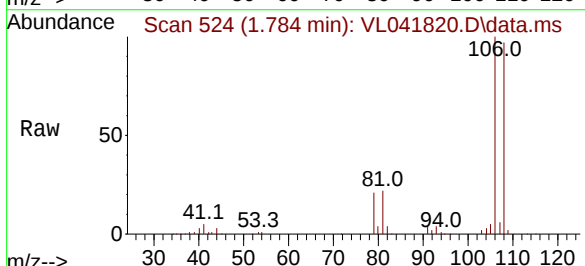
Tgt Ion: 108 Resp: 33699

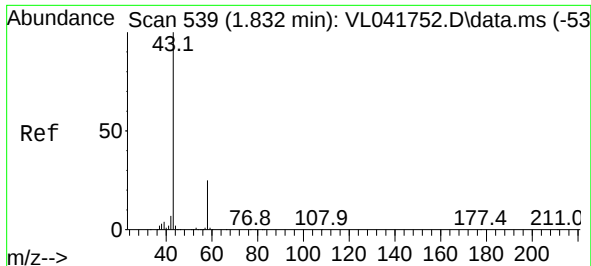
Ion Ratio Lower Upper

108 100

106 105.4 84.1 126.1

79 24.4 17.4 26.0





#15

Acetone

Concen: 7.670 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

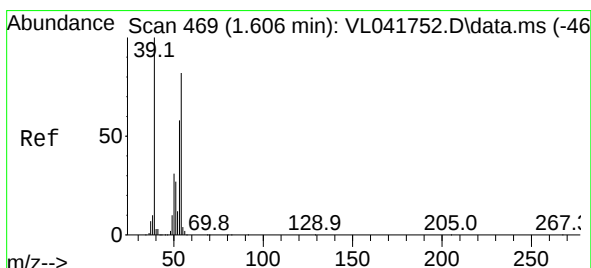
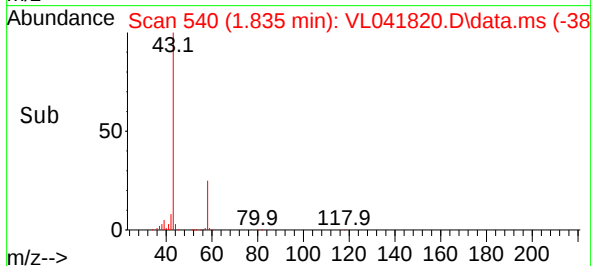
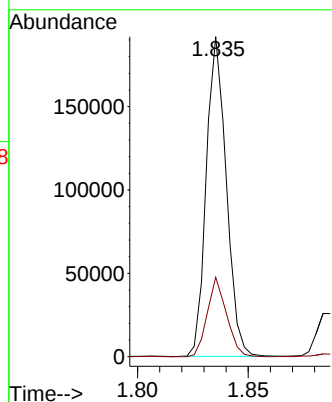
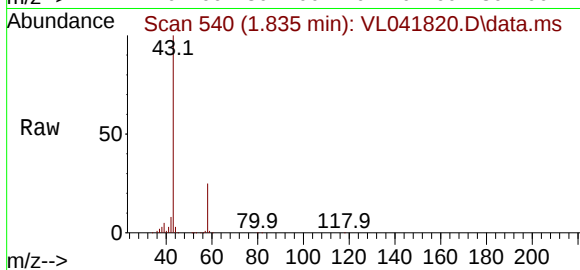
ClientSampleId :

Tgt Ion: 43 Resp: 120575

Ion Ratio Lower Upper

43 100

58 24.0 19.7 29.5



#16

1,3-Butadiene

Concen: 9.244 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041820.D

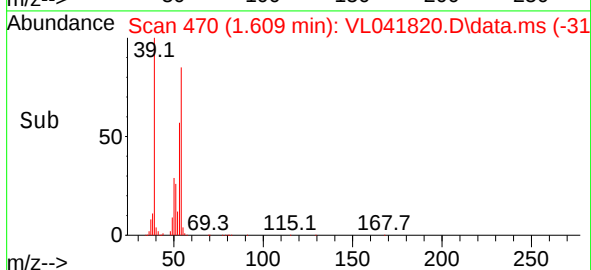
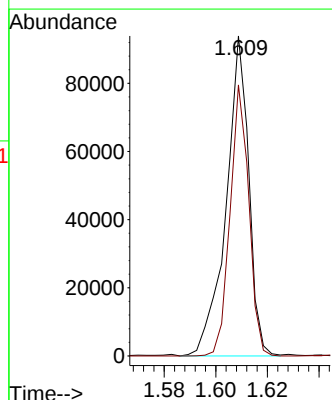
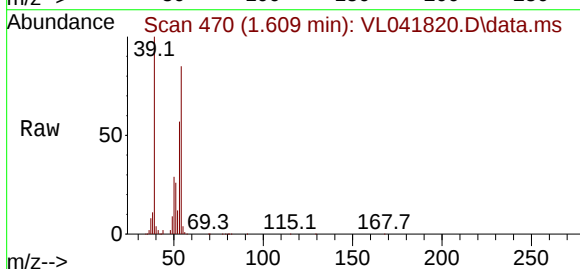
Acq: 19 Dec 2024 14:49

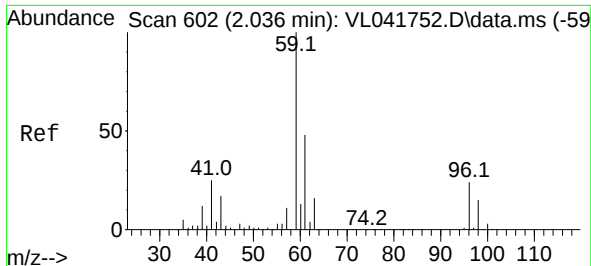
Tgt Ion: 39 Resp: 57220

Ion Ratio Lower Upper

39 100

54 70.0 58.4 87.6





#17

tert-Butyl alcohol

Concen: 8.738 ppbv

RT: 2.039 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

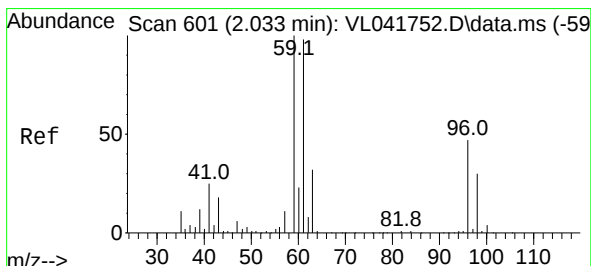
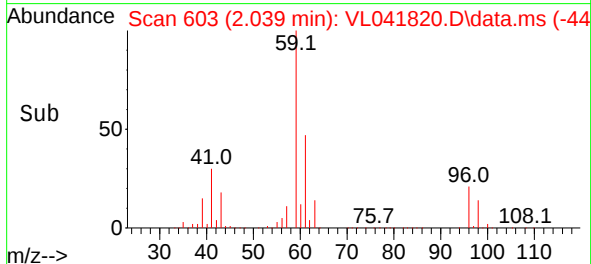
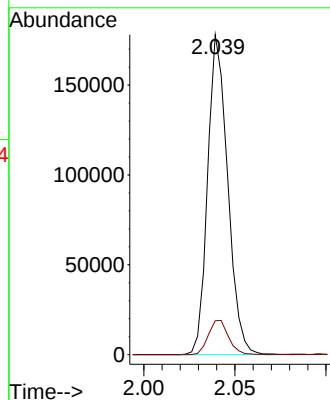
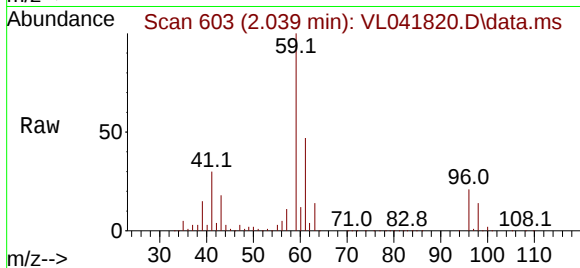
ClientSampleId :

Tgt Ion: 59 Resp: 136270

Ion Ratio Lower Upper

59 100

57 10.8 8.6 13.0



#18

1,1-Dichloroethene

Concen: 8.662 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

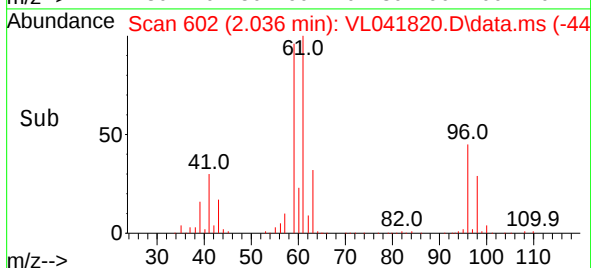
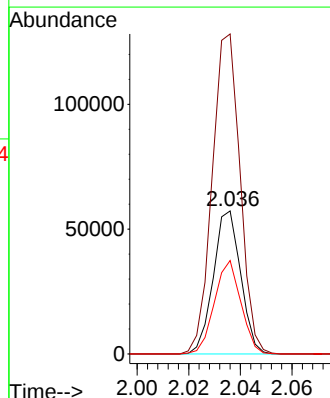
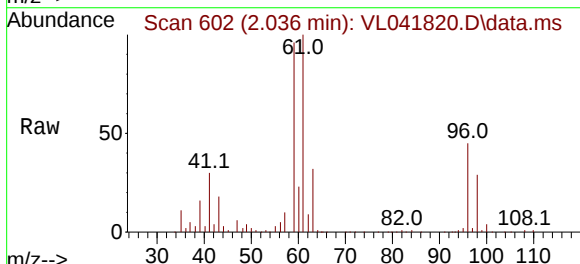
Tgt Ion: 96 Resp: 42177

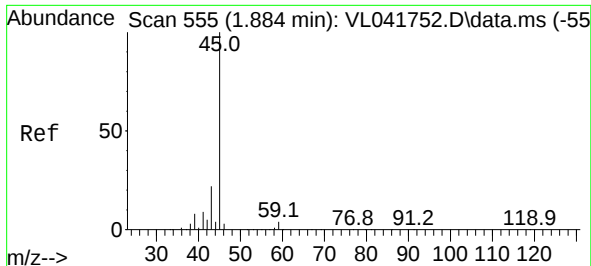
Ion Ratio Lower Upper

96 100

61 223.7 167.7 251.5

98 65.3 51.1 76.7





#19

Isopropyl Alcohol

Concen: 7.268 ppbv

RT: 1.887 min Scan# 5

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

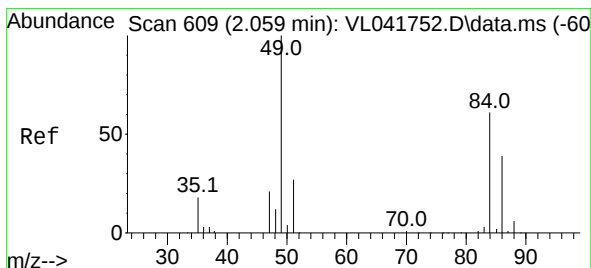
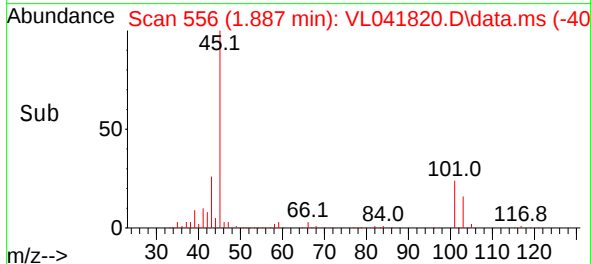
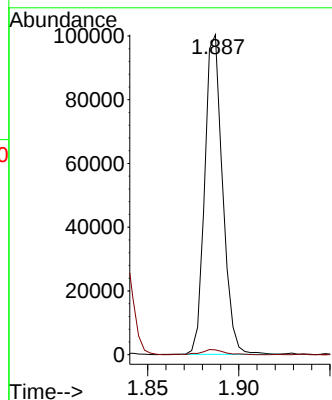
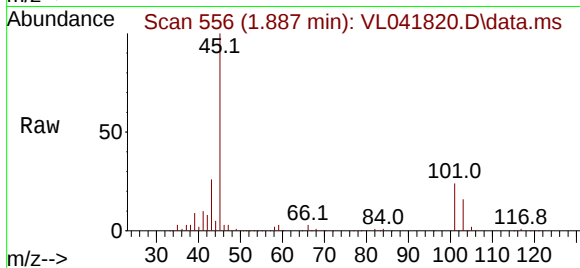
ClientSampleId :

Tgt Ion: 45 Resp: 68559

Ion Ratio Lower Upper

45 100

58 2.1 33.3 49.9#



#20

Methylene Chloride

Concen: 8.557 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Tgt Ion: 84 Resp: 38360

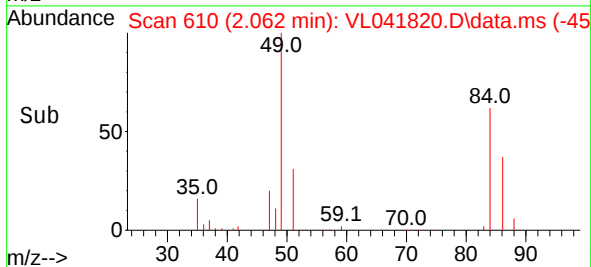
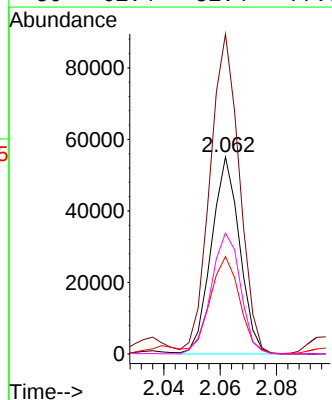
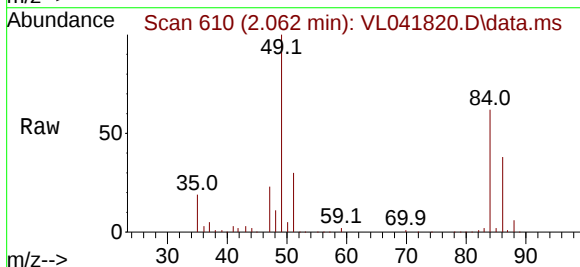
Ion Ratio Lower Upper

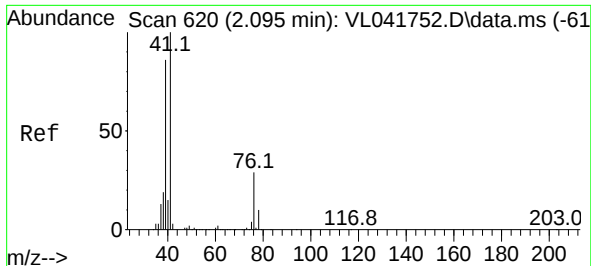
84 100

49 162.2 132.6 198.8

51 49.3 37.6 56.4

86 61.4 51.4 77.0





#21

Allyl Chloride

Concen: 9.272 ppbv

RT: 2.097 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

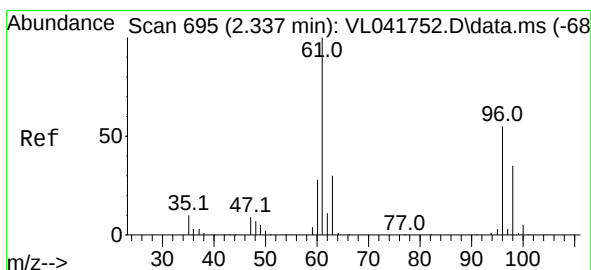
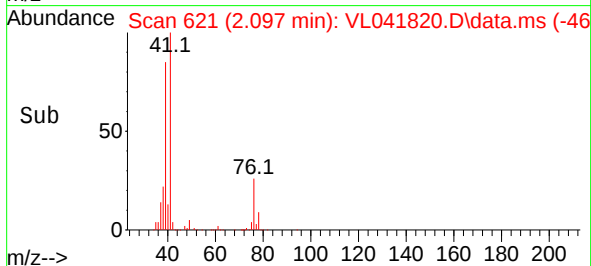
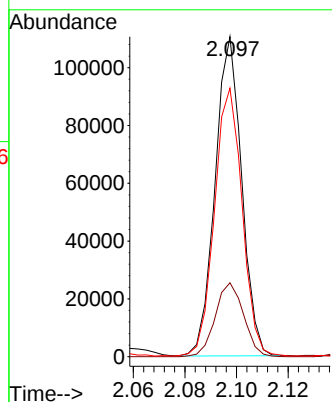
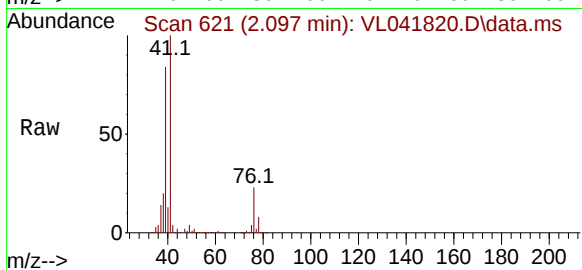
Tgt Ion: 41 Resp: 79053

Ion Ratio Lower Upper

41 100

76 24.6 22.3 33.5

39 87.0 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 8.419 ppbv

RT: 2.343 min Scan# 697

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

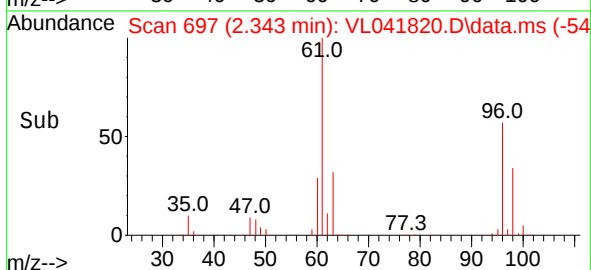
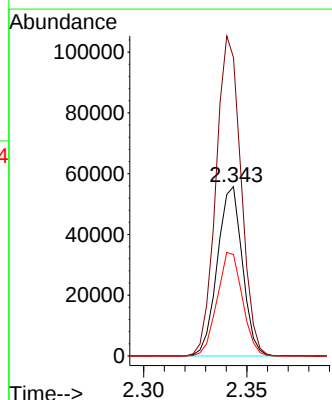
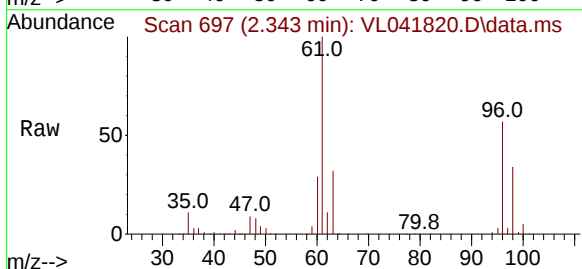
Tgt Ion: 96 Resp: 46926

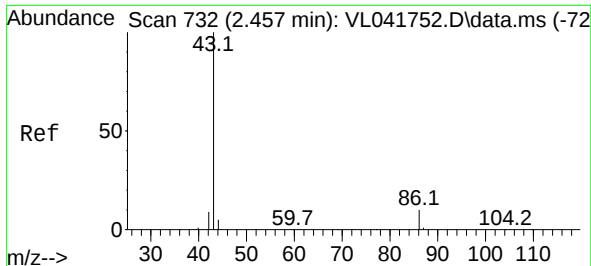
Ion Ratio Lower Upper

96 100

61 176.4 146.3 219.5

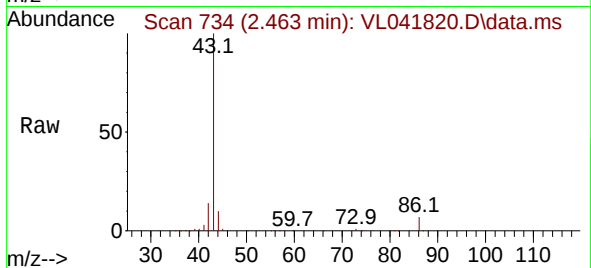
98 59.9 50.8 76.2



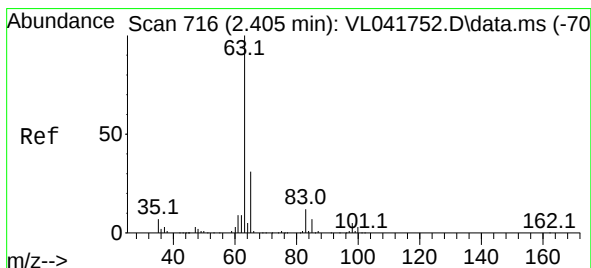
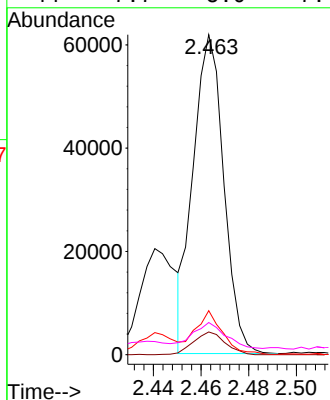
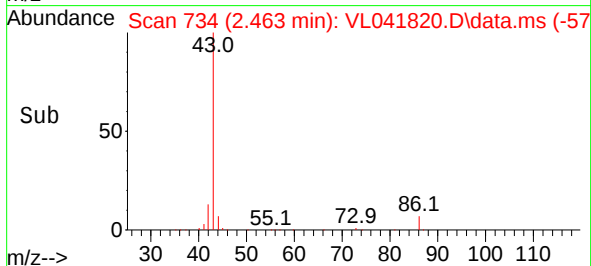


#23
 Vinyl Acetate
 Concen: 7.532 ppbv
 RT: 2.463 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL041820.D
 Acq: 19 Dec 2024 14:49

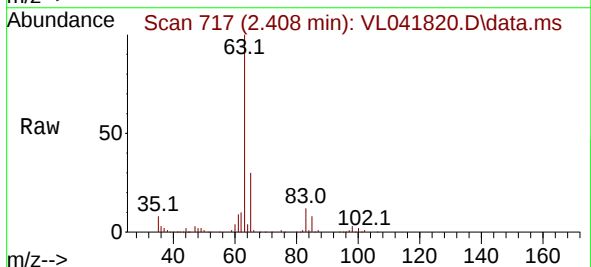
Instrument :
 MSVOA_1
 ClientSampleId :



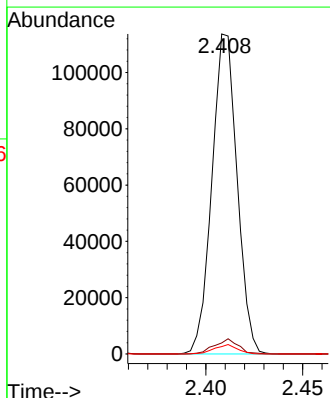
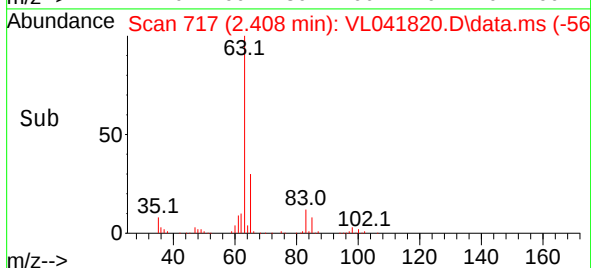
Tgt Ion:	43	Resp:	54979
Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.6	10.0
42	13.6	8.2	12.2#
44	7.7	5.0	7.4#

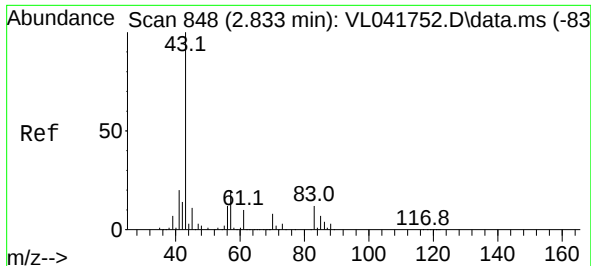


#24
 1,1-Dichloroethane
 Concen: 9.115 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL041820.D
 Acq: 19 Dec 2024 14:49



Tgt Ion:	63	Resp:	102839
Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.3	6.8
100	2.3	1.4	4.2





#25

Ethyl Acetate

Concen: 9.050 ppbv

RT: 2.835 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 264649

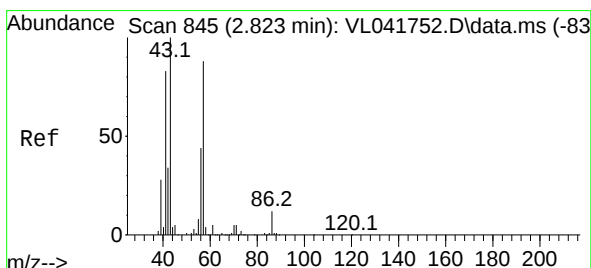
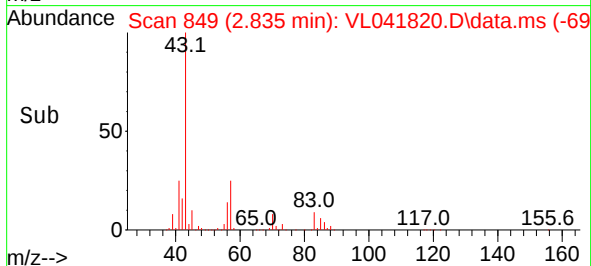
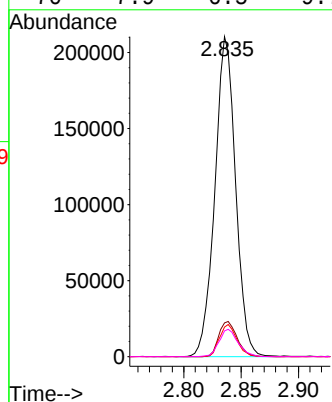
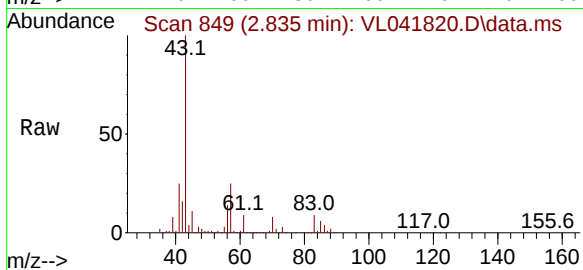
Ion Ratio Lower Upper

43 100

45 9.8 8.1 12.1

61 8.4 7.0 10.6

70 7.9 6.5 9.7



#26

Hexane

Concen: 8.561 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Tgt Ion: 57 Resp: 95013

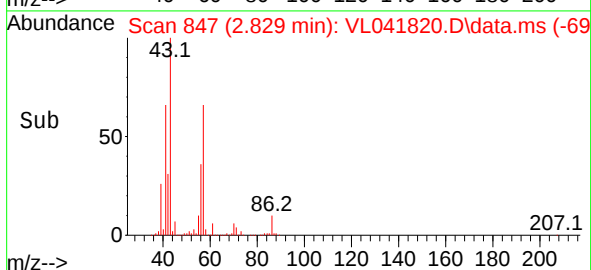
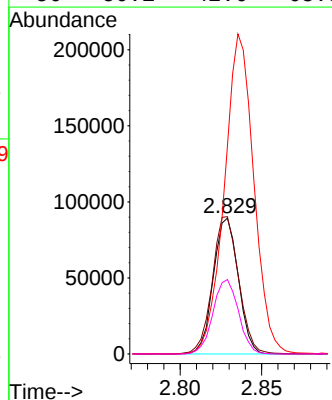
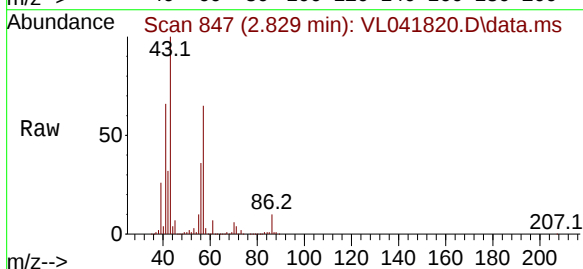
Ion Ratio Lower Upper

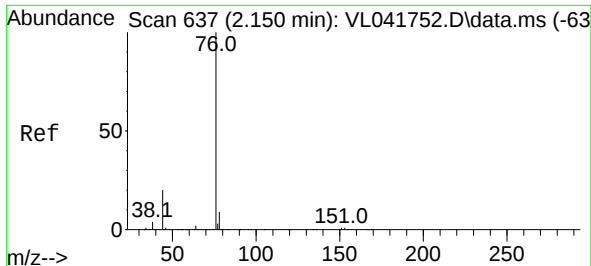
57 100

41 107.2 79.6 119.4

43 278.5 211.0 316.6

56 56.1 42.6 63.8





#27

Carbon Disulfide

Concen: 8.724 ppbv

RT: 2.152 min Scan# 637

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

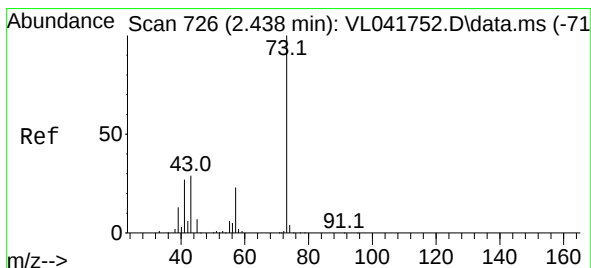
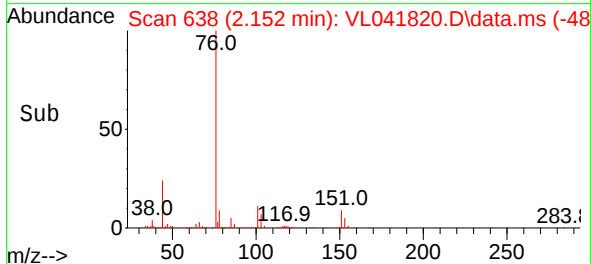
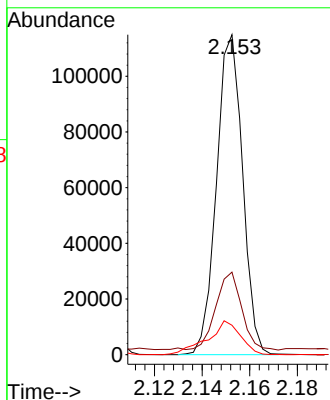
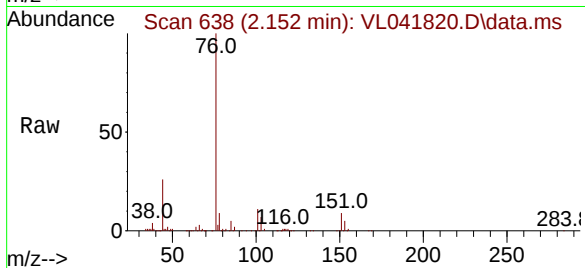
Tgt Ion: 76 Resp: 87254

Ion Ratio Lower Upper

76 100

44 25.1 17.6 26.4

78 13.4 10.2 15.4



#28

Methyl tert-Butyl Ether

Concen: 7.462 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.003 min

Lab File: VL041820.D

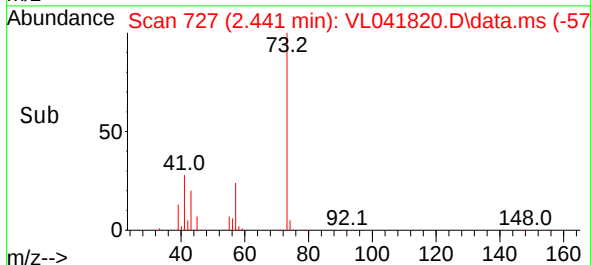
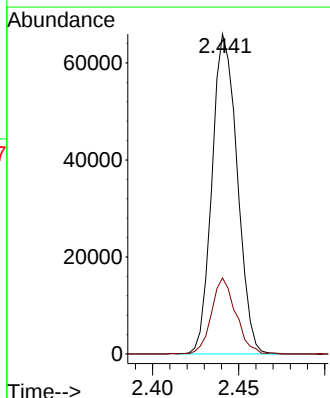
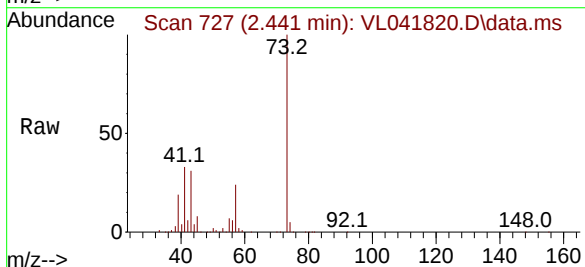
Acq: 19 Dec 2024 14:49

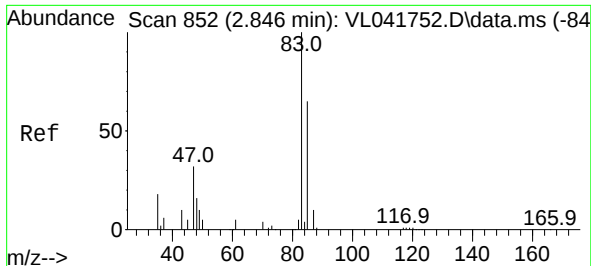
Tgt Ion: 73 Resp: 67180

Ion Ratio Lower Upper

73 100

57 23.0 17.6 26.4





#29

Chloroform

Concen: 9.203 ppbv

RT: 2.848 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

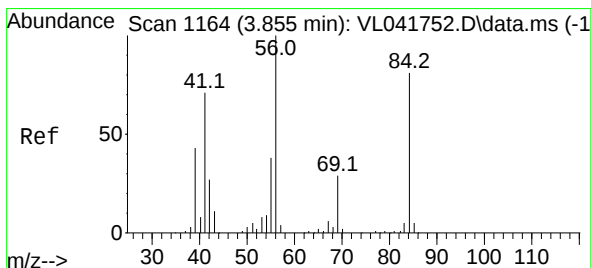
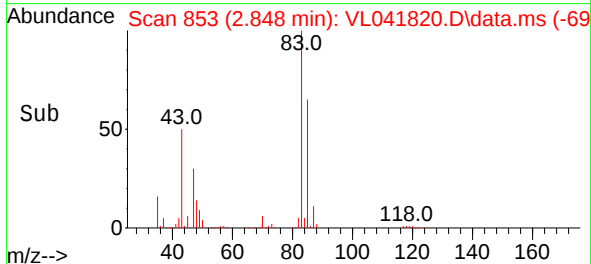
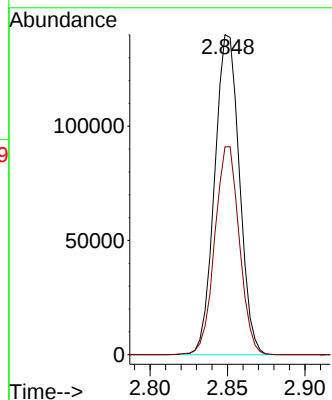
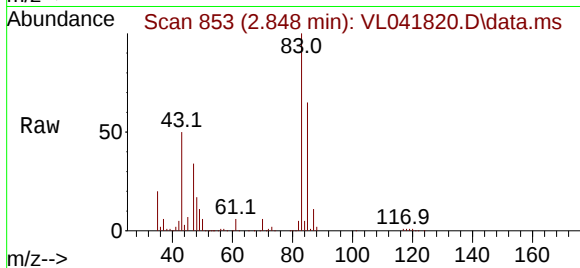
ClientSampleId :

Tgt Ion: 83 Resp: 155646

Ion Ratio Lower Upper

83 100

85 64.9 51.8 77.6



#30

Cyclohexane

Concen: 8.127 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

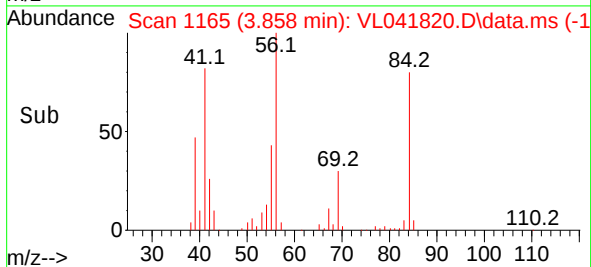
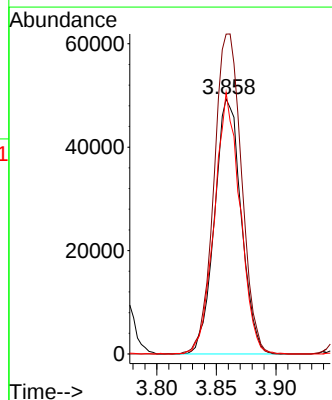
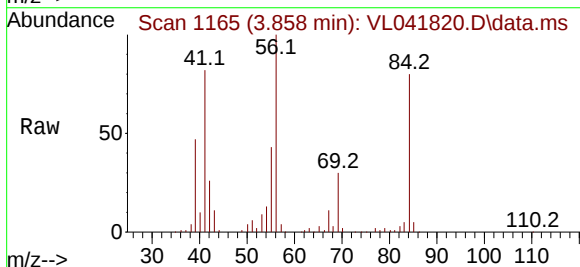
Tgt Ion: 84 Resp: 76745

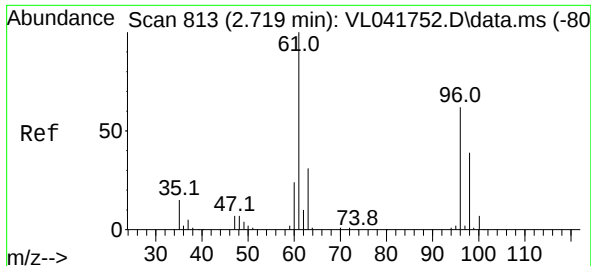
Ion Ratio Lower Upper

84 100

56 129.6 102.3 153.5

41 98.4 74.0 111.0

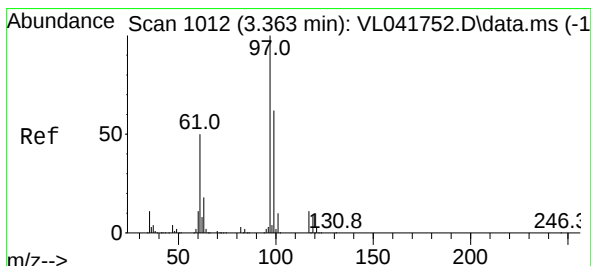
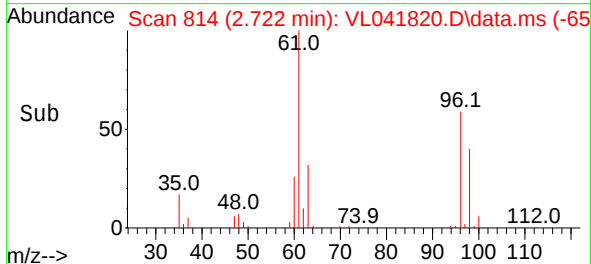
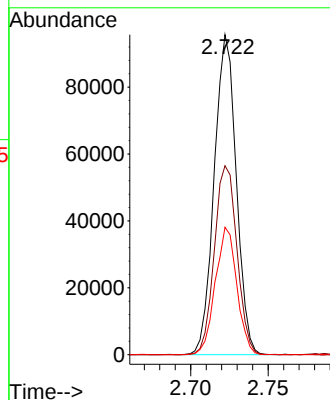
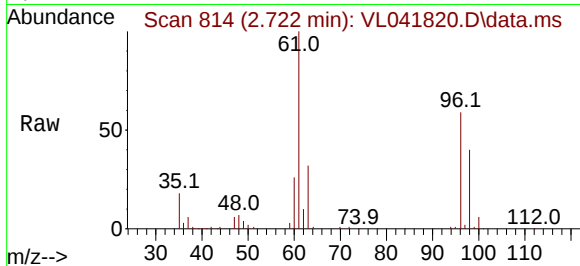




#31
 cis-1,2-Dichloroethene
 Concen: 8.248 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL041820.D
 Acq: 19 Dec 2024 14:49

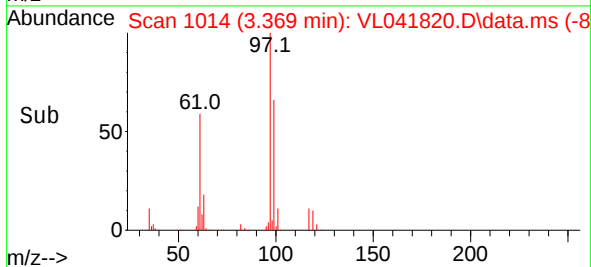
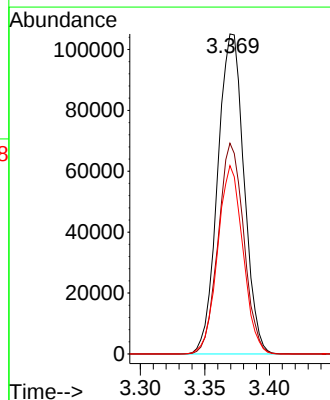
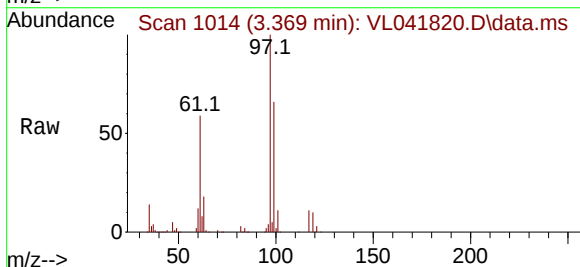
Instrument :
 MSVOA_L
 ClientSampleId :

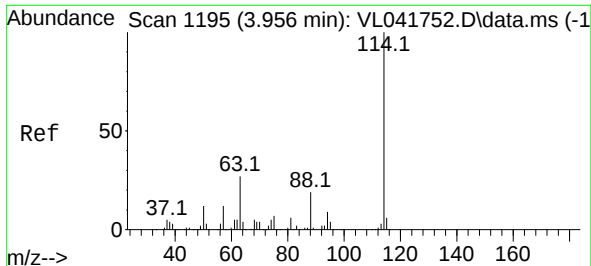
Tgt Ion: 61 Resp: 94585
 Ion Ratio Lower Upper
 61 100
 96 59.1 49.7 74.5
 98 39.8 30.8 46.2



#32
 1,1,1-Trichloroethane
 Concen: 8.666 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL041820.D
 Acq: 19 Dec 2024 14:49

Tgt Ion: 97 Resp: 149002
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.4
 61 56.6 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.006 min

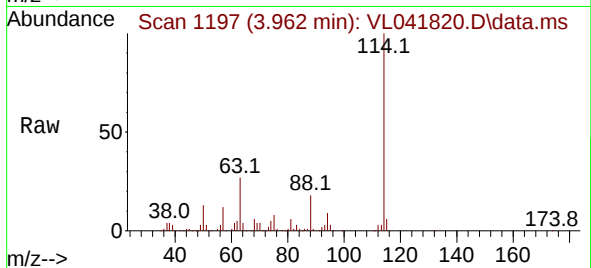
Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :



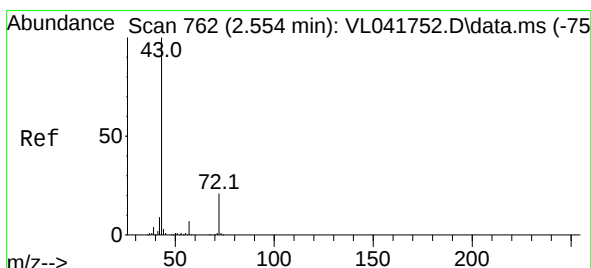
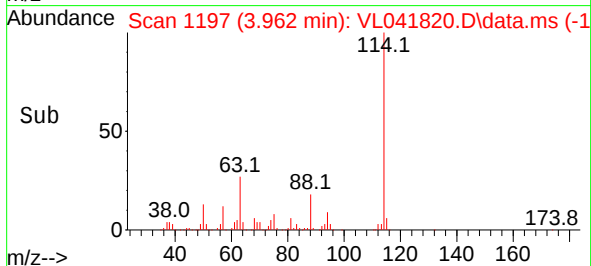
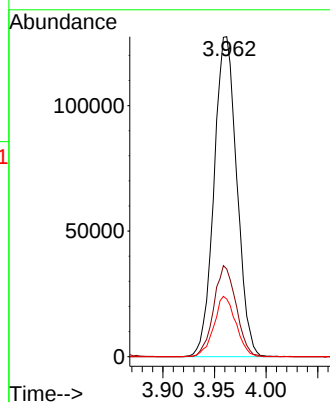
Tgt Ion:114 Resp: 195963

Ion Ratio Lower Upper

114 100

63 27.9 21.8 32.8

88 18.1 14.8 22.2



#34

2-Butanone

Concen: 9.479 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL041820.D

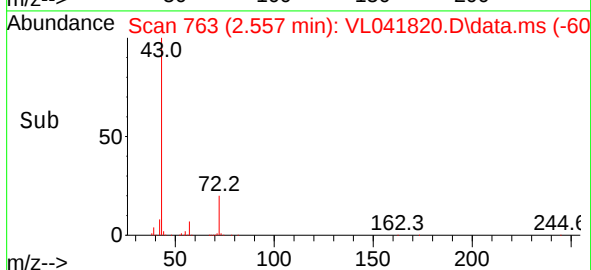
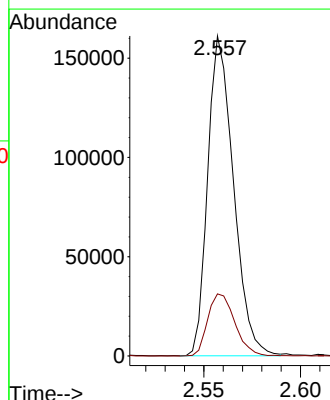
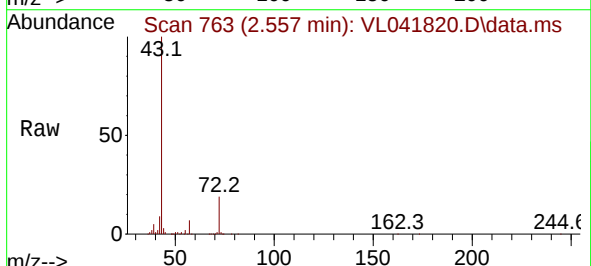
Acq: 19 Dec 2024 14:49

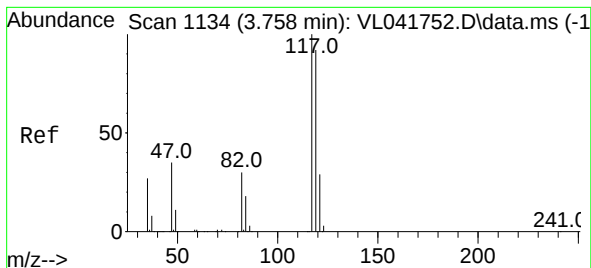
Tgt Ion: 43 Resp: 149437

Ion Ratio Lower Upper

43 100

72 20.5 16.8 25.2





#35

Carbon Tetrachloride

Concen: 10.888 ppbv

RT: 3.768 min Scan# 1134

Delta R.T. 0.009 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

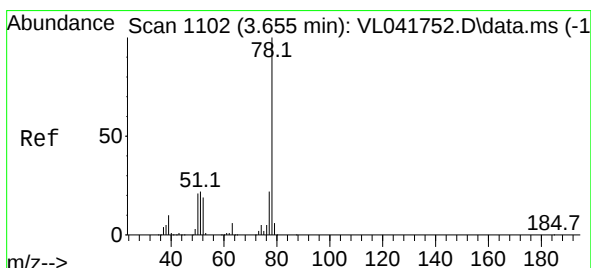
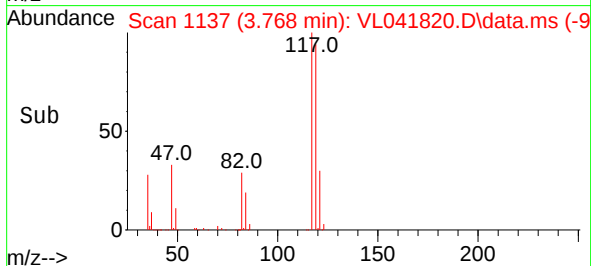
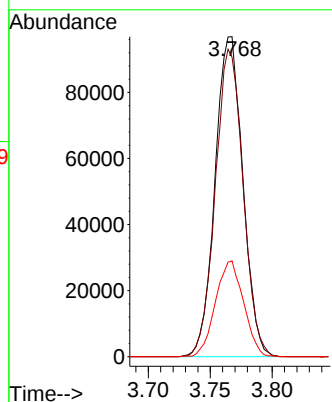
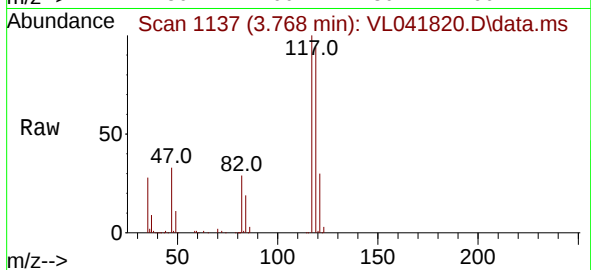
Tgt Ion:117 Resp: 151465

Ion Ratio Lower Upper

117 100

119 93.6 73.7 110.5

121 30.0 23.0 34.4



#36

Benzene

Concen: 9.372 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

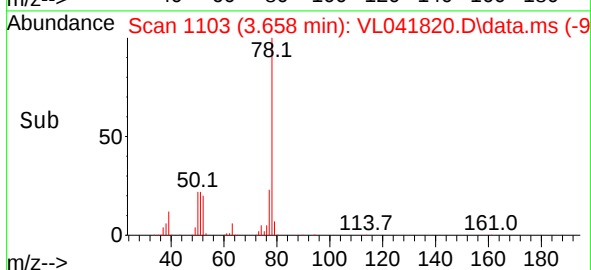
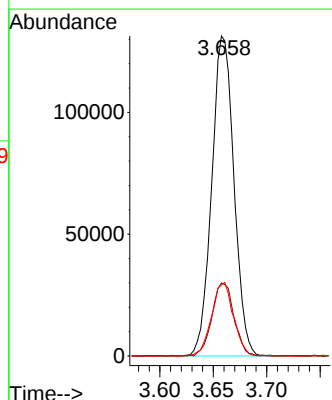
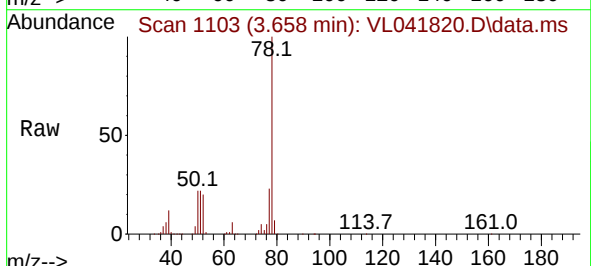
Tgt Ion: 78 Resp: 189976

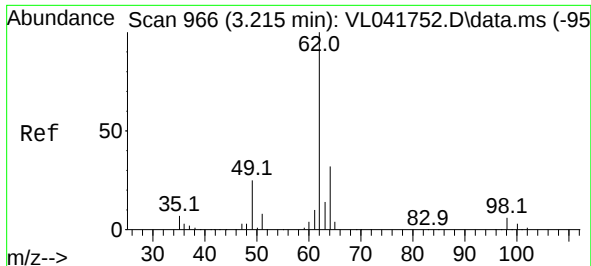
Ion Ratio Lower Upper

78 100

77 22.8 17.8 26.6

50 22.2 17.2 25.8

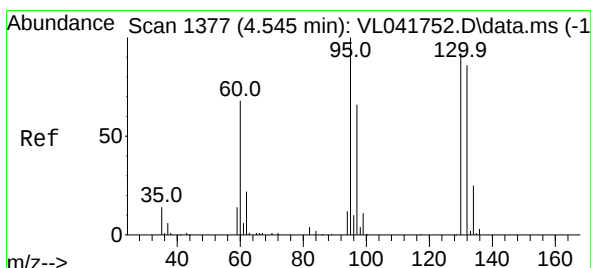
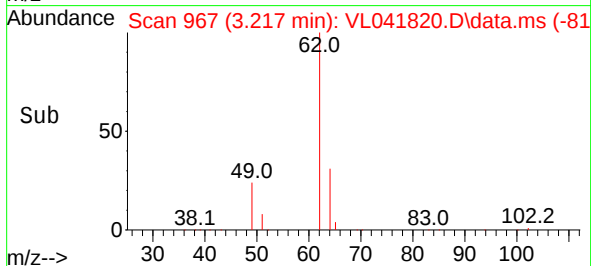
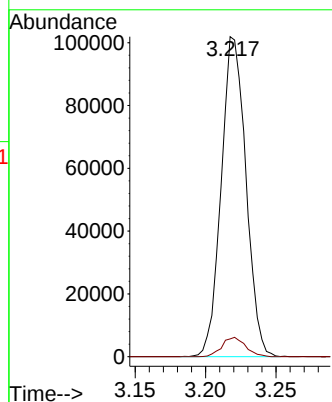
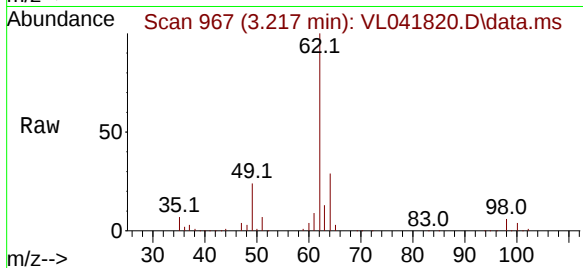




#37
1,2-Dichloroethane
Concen: 9.899 ppbv
RT: 3.217 min Scan# 90
Delta R.T. 0.003 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

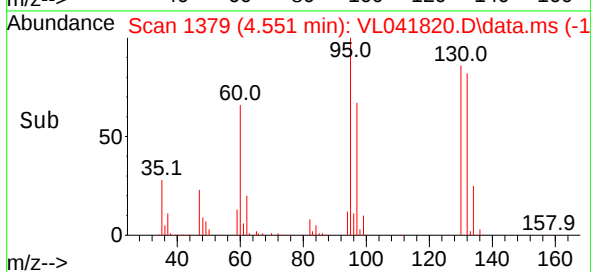
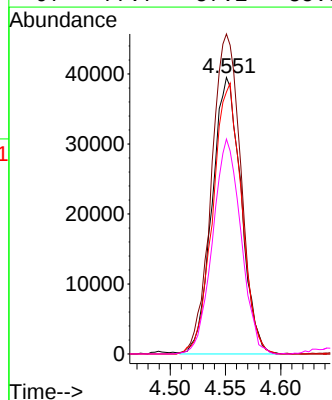
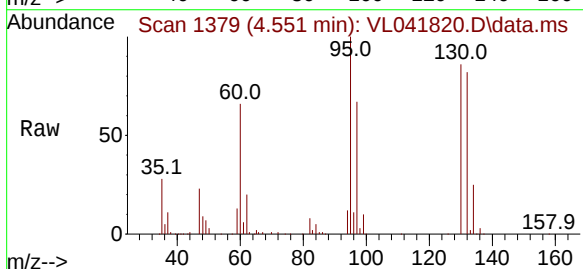
Instrument :
MSVOA_L
ClientSampleId :

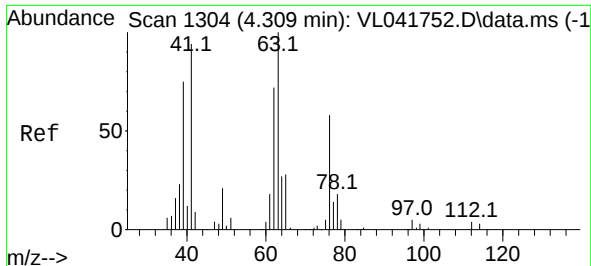
Tgt Ion: 62 Resp: 124857
Ion Ratio Lower Upper
62 100
98 5.8 4.7 7.1



#38
Trichloroethene
Concen: 8.349 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

Tgt Ion:130 Resp: 71837
Ion Ratio Lower Upper
130 100
95 115.6 87.0 130.6
132 94.7 75.0 112.6
97 77.7 57.2 85.8





#39

1,2-Dichloropropane

Concen: 9.370 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

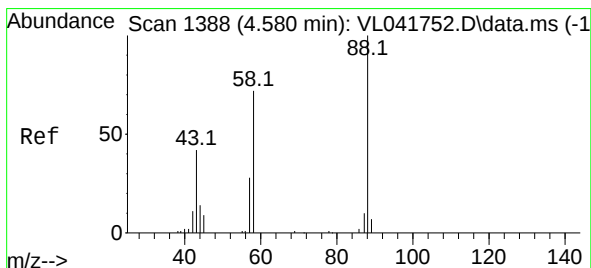
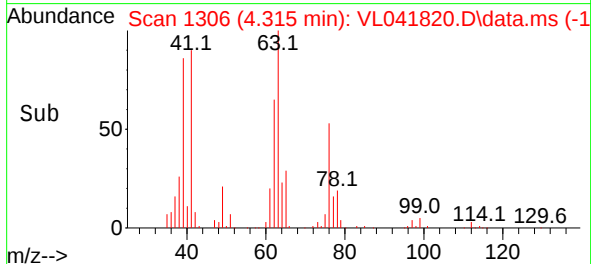
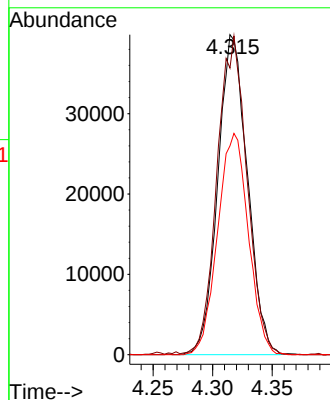
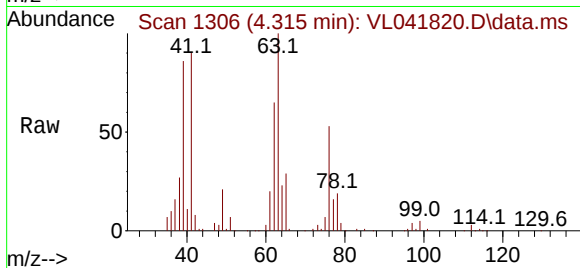
Tgt Ion: 63 Resp: 68691

Ion Ratio Lower Upper

63 100

41 89.2 75.3 112.9

62 65.2 57.3 85.9



#40

1,4-Dioxane

Concen: 9.431 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Tgt Ion: 88 Resp: 33777

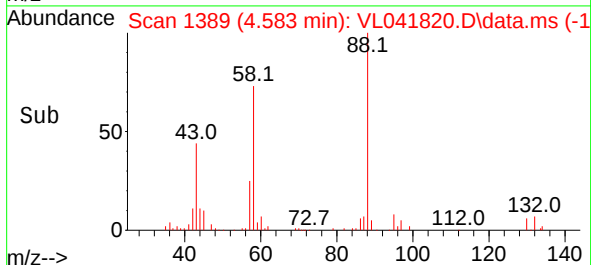
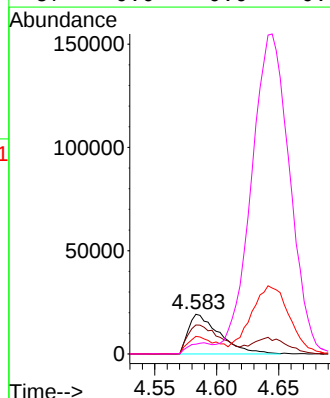
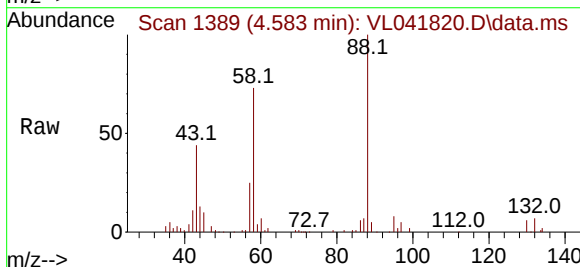
Ion Ratio Lower Upper

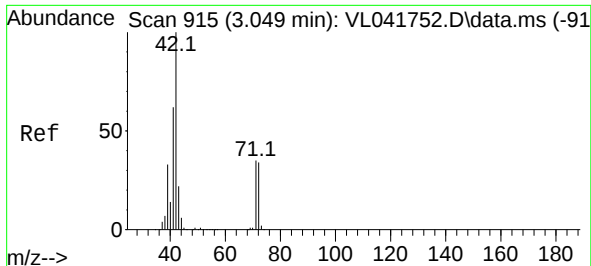
88 100

58 78.8 61.0 91.6

43 36.3 29.4 44.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.124 ppbv

RT: 3.056 min Scan# 915

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

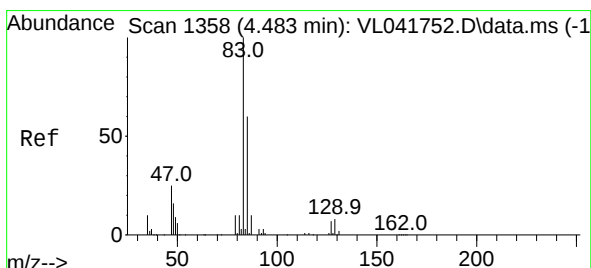
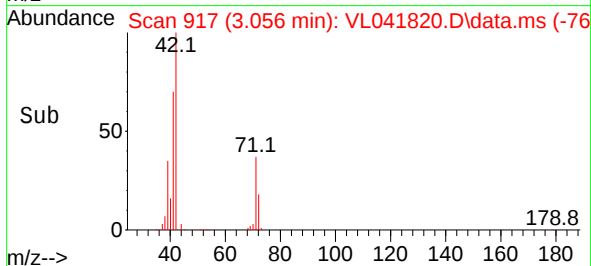
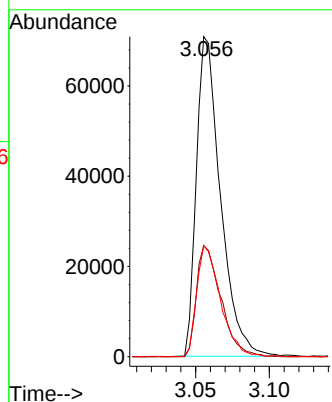
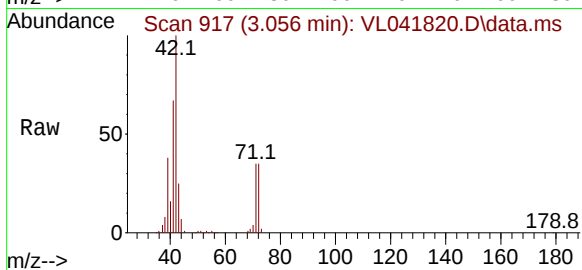
Tgt Ion: 42 Resp: 80588

Ion Ratio Lower Upper

42 100

72 35.1 29.1 43.7

71 34.4 28.4 42.6



#42

Bromodichloromethane

Concen: 10.548 ppbv

RT: 4.493 min Scan# 1361

Delta R.T. 0.009 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

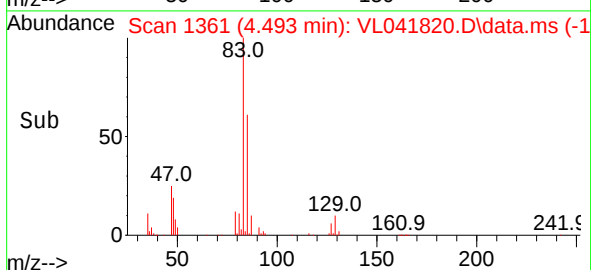
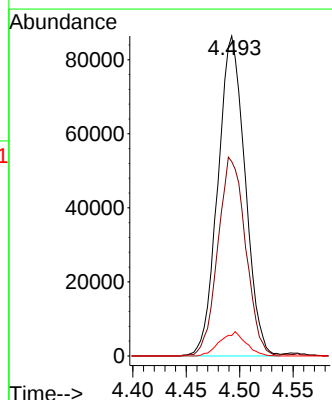
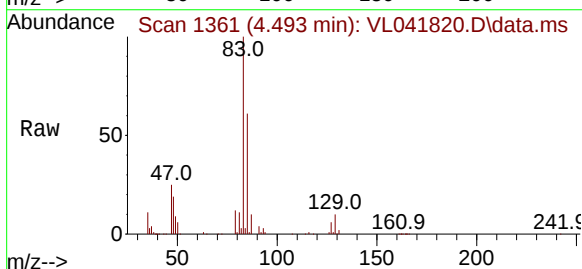
Tgt Ion: 83 Resp: 153057

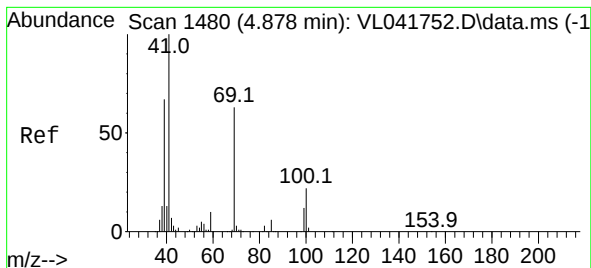
Ion Ratio Lower Upper

83 100

85 60.7 48.0 72.0

127 6.4 5.8 8.8





#43

Methyl Methacrylate

Concen: 9.189 ppbv

RT: 4.884 min Scan# 1482

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

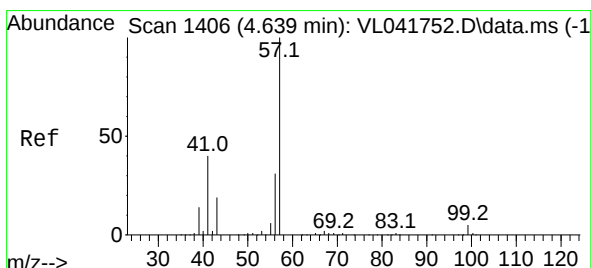
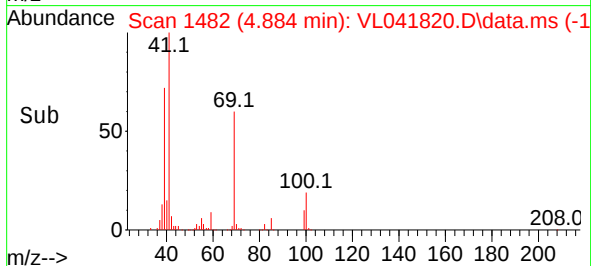
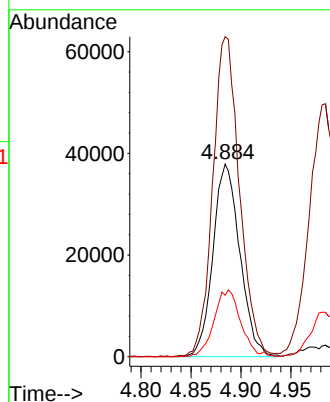
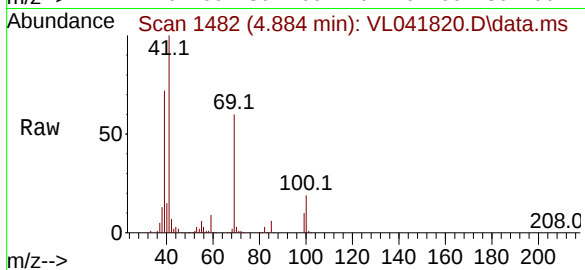
Tgt Ion: 69 Resp: 70969

Ion Ratio Lower Upper

69 100

41 165.4 130.3 195.5

100 34.5 28.3 42.5



#44

2,2,4-Trimethylpentane

Concen: 9.656 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

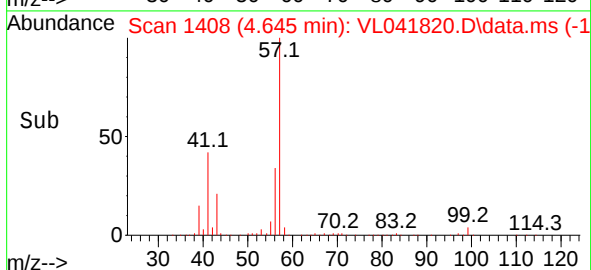
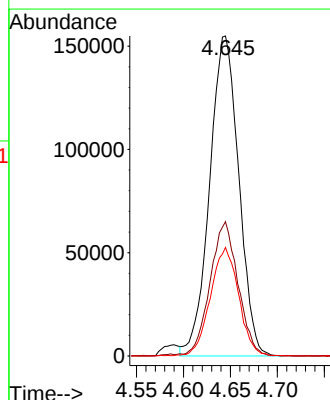
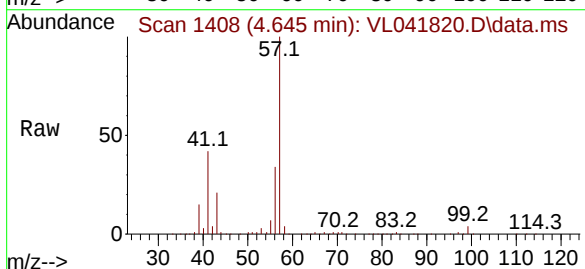
Tgt Ion: 57 Resp: 334274

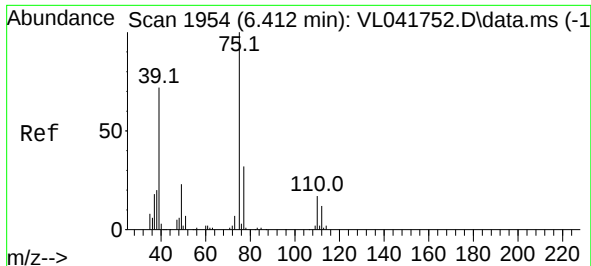
Ion Ratio Lower Upper

57 100

41 40.8 30.7 46.1

56 33.0 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 8.408 ppbv

RT: 6.418 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_1

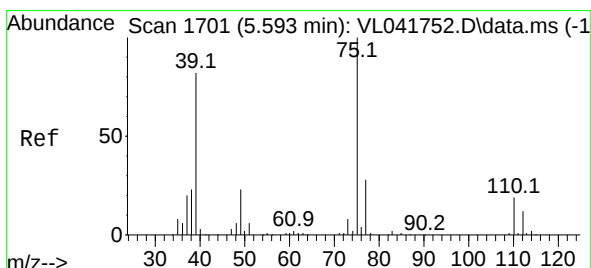
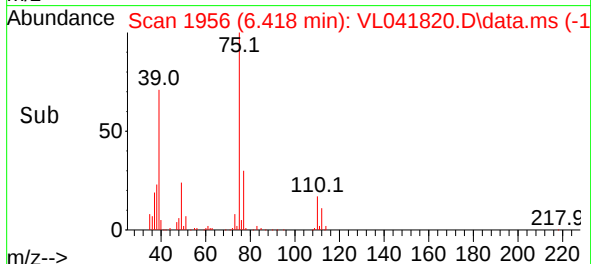
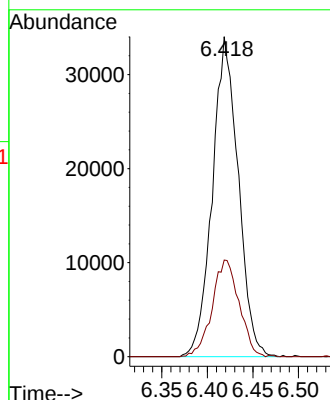
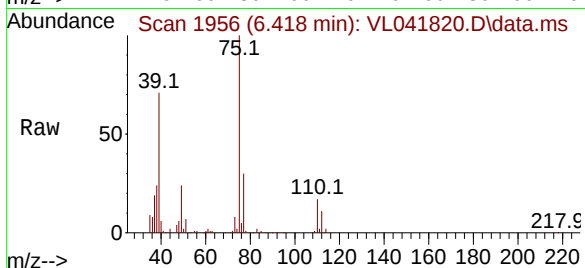
ClientSampleId :

Tgt Ion: 75 Resp: 67173

Ion Ratio Lower Upper

75 100

77 30.2 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 8.771 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. 0.013 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

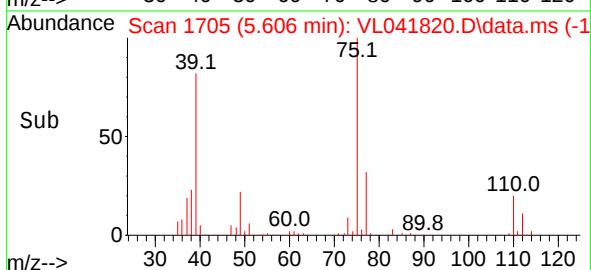
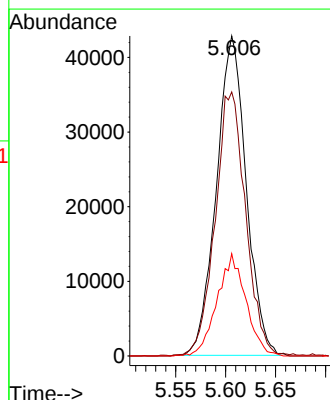
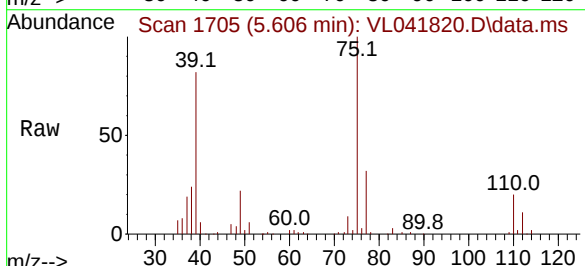
Tgt Ion: 75 Resp: 88947

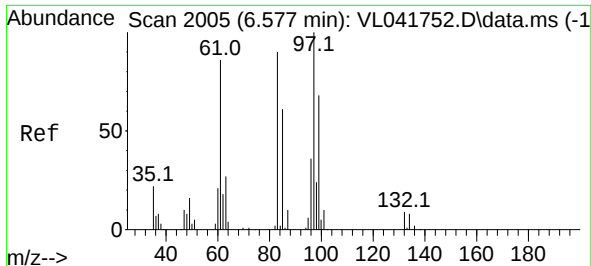
Ion Ratio Lower Upper

75 100

39 82.2 65.2 97.8

77 31.8 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 9.490 ppbv

RT: 6.583 min Scan# 2005

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

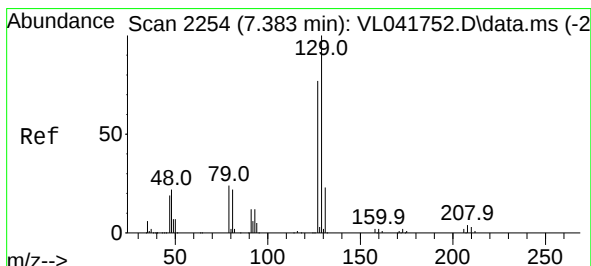
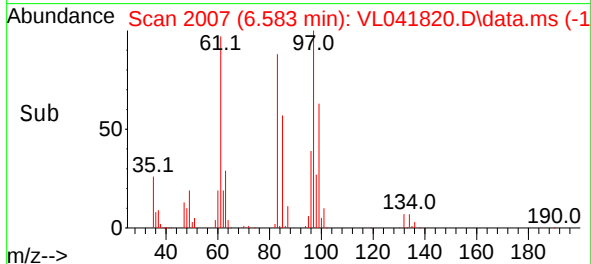
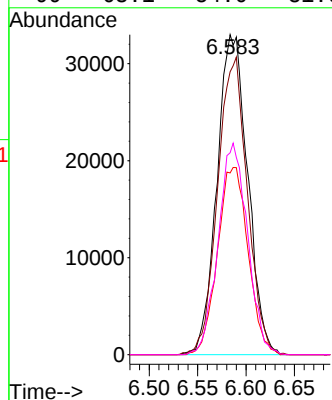
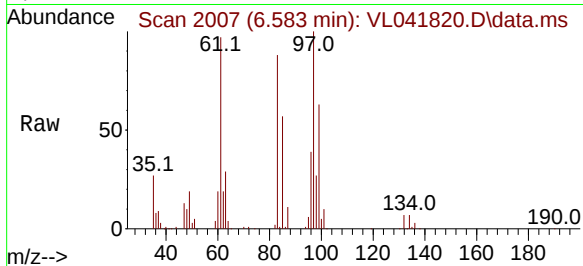
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 72669

Ion	Ratio	Lower	Upper
97	100		
83	88.2	72.3	108.5
85	56.8	48.5	72.7
99	63.1	54.0	81.0



#48

Dibromochloromethane

Concen: 10.390 ppbv

RT: 7.389 min Scan# 2256

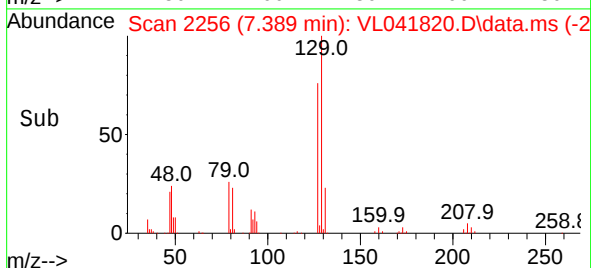
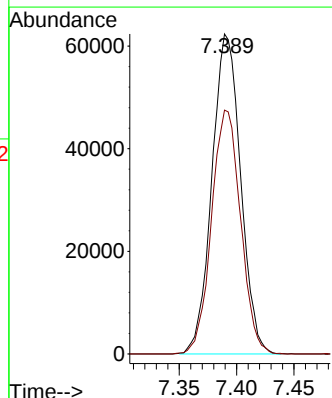
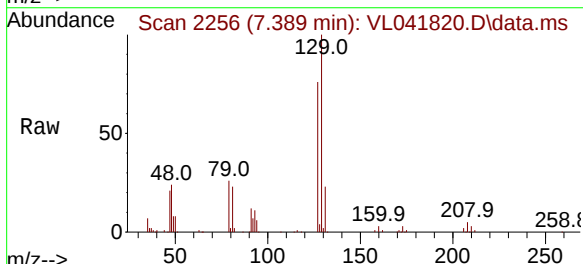
Delta R.T. 0.006 min

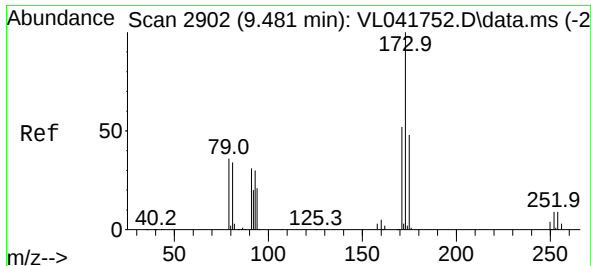
Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Tgt Ion:129 Resp: 108637

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.8	116.3





#49

Bromoform

Concen: 10.358 ppbv

RT: 9.487 min Scan# 20

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

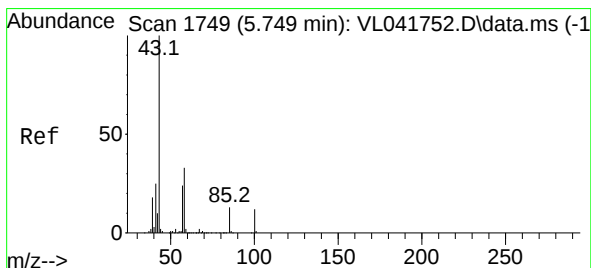
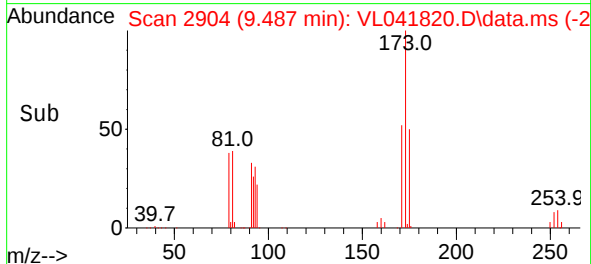
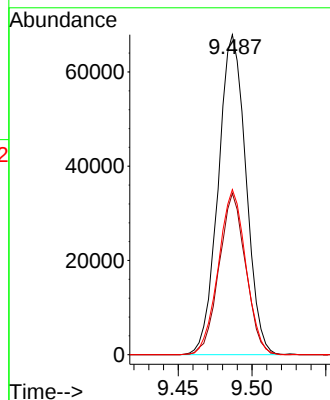
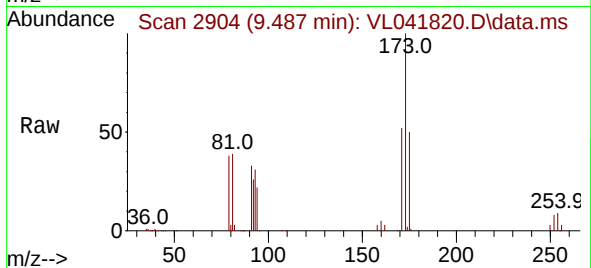
Tgt Ion:173 Resp: 88652

Ion Ratio Lower Upper

173 100

175 48.4 38.2 57.2

171 51.1 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 9.632 ppbv

RT: 5.755 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VL041820.D

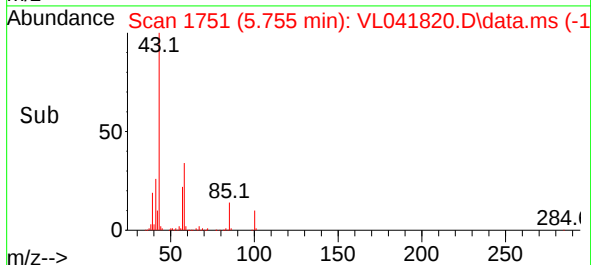
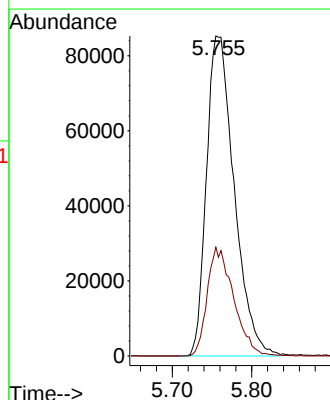
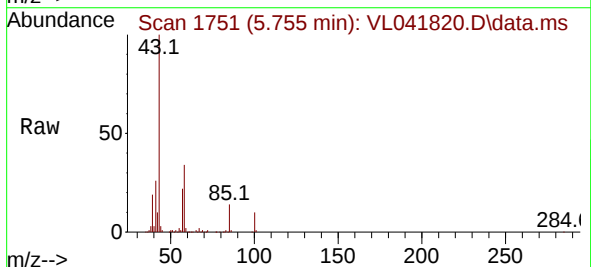
Acq: 19 Dec 2024 14:49

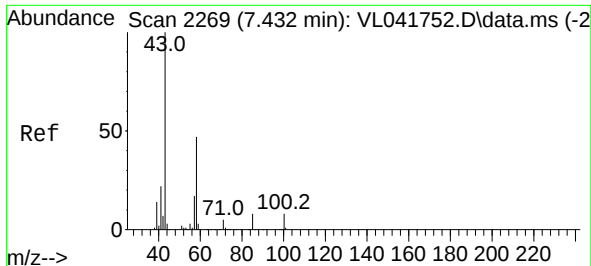
Tgt Ion: 43 Resp: 206750

Ion Ratio Lower Upper

43 100

58 32.4 26.8 40.2

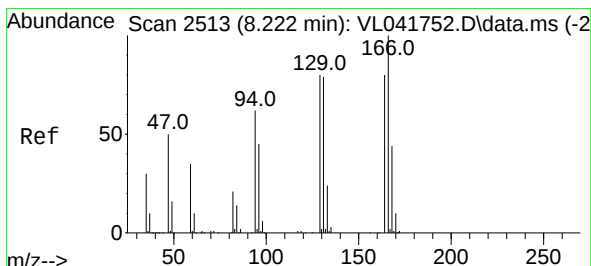
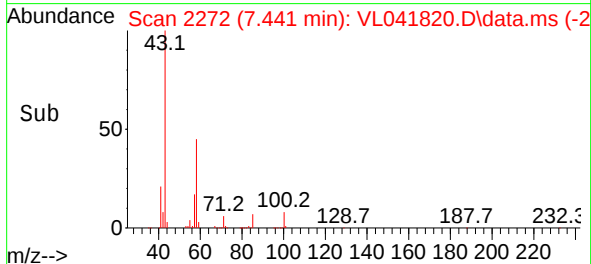
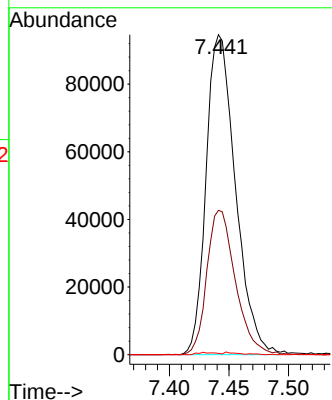
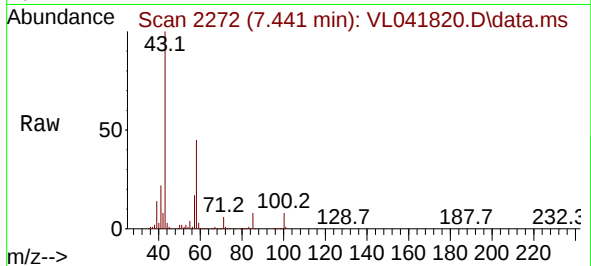




#51
2-Hexanone
Concen: 9.331 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

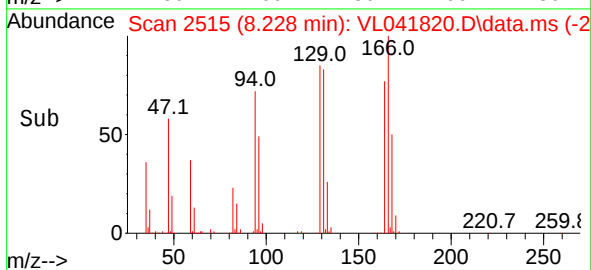
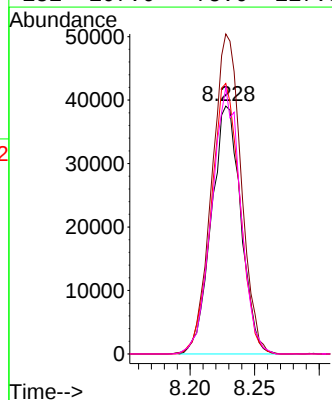
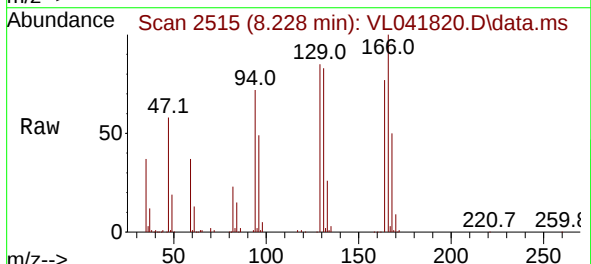
Instrument :
MSVOA_L
ClientSampleId :

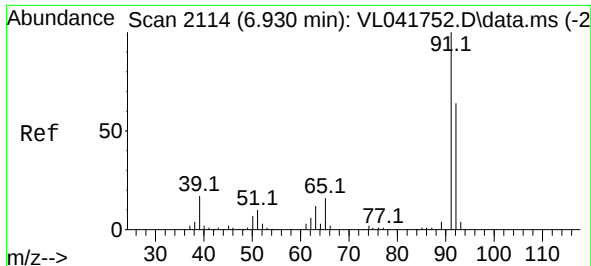
Tgt Ion: 43 Resp: 162349
Ion Ratio Lower Upper
43 100
58 43.9 36.6 55.0
98 0.9 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.190 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.006 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

Tgt Ion:164 Resp: 61791
Ion Ratio Lower Upper
164 100
166 129.1 99.8 149.6
129 109.2 79.6 119.4
131 107.6 78.6 117.8





#53

Toluene

Concen: 8.771 ppbv

RT: 6.939 min Scan# 2114

Delta R.T. 0.009 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

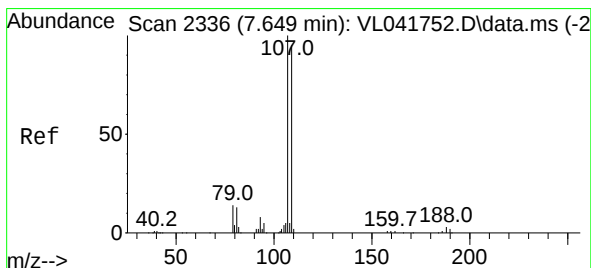
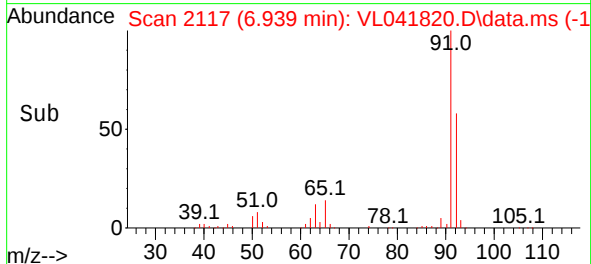
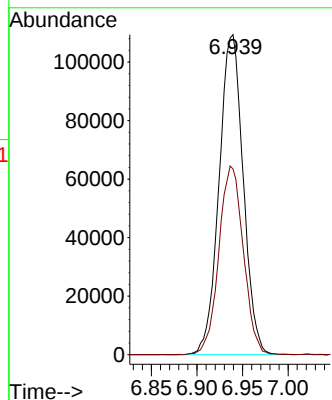
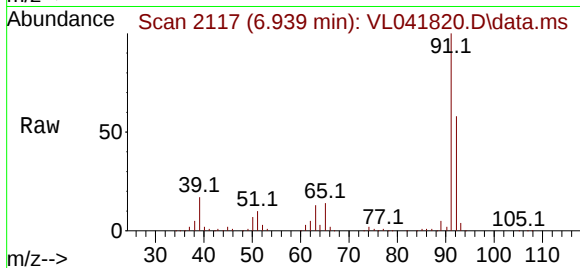
ClientSampleId :

Tgt Ion: 91 Resp: 201582

Ion Ratio Lower Upper

91 100

92 59.9 47.9 71.9



#54

1,2-Dibromoethane

Concen: 9.497 ppbv

RT: 7.652 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VL041820.D

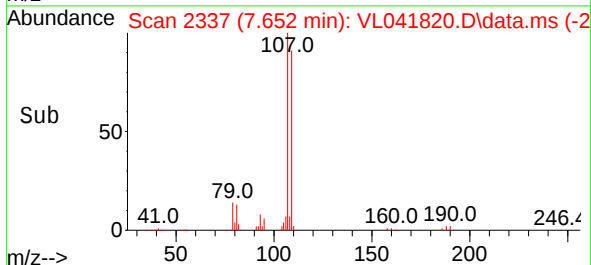
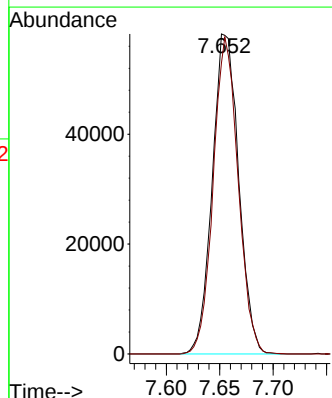
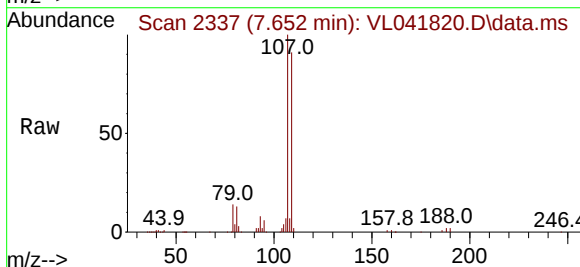
Acq: 19 Dec 2024 14:49

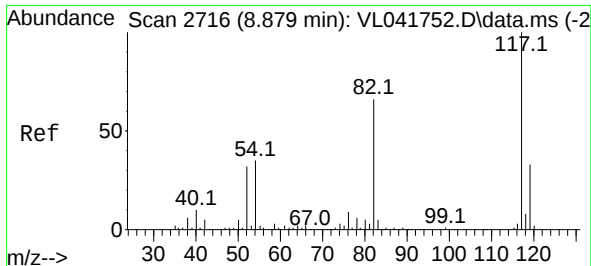
Tgt Ion:107 Resp: 100209

Ion Ratio Lower Upper

107 100

109 91.0 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

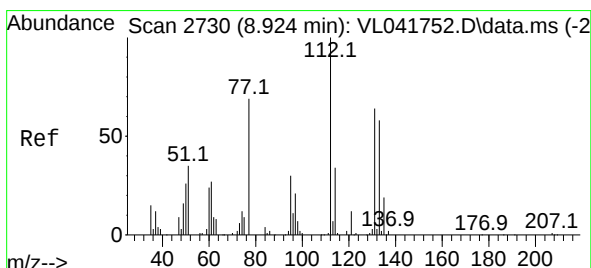
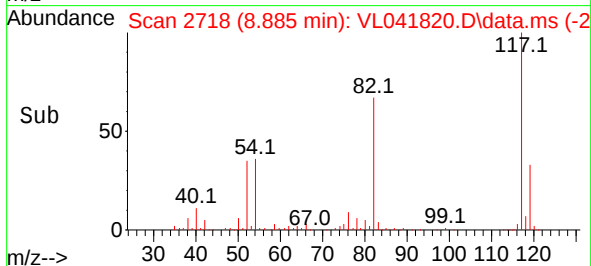
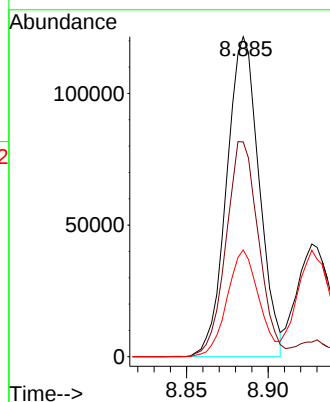
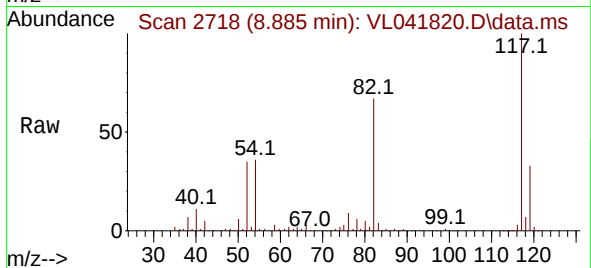
Tgt Ion:117 Resp: 168530

Ion Ratio Lower Upper

117 100

82 72.7 53.8 80.8

119 33.0 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 10.664 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

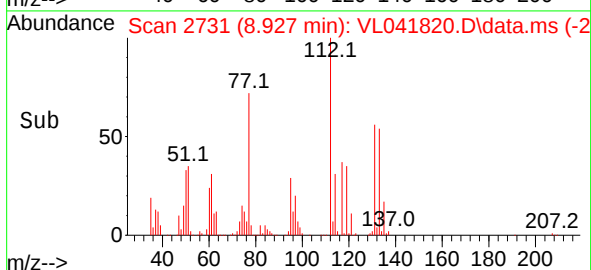
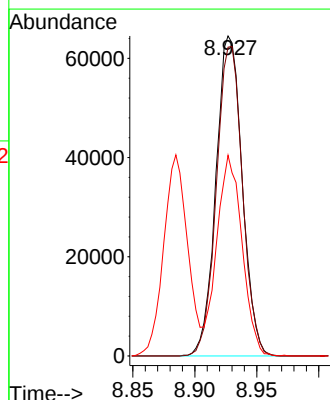
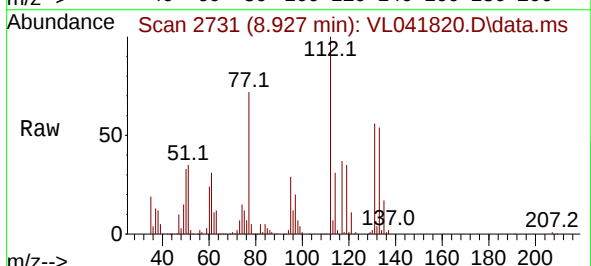
Tgt Ion:131 Resp: 95280

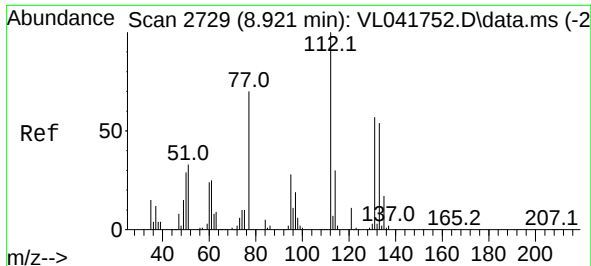
Ion Ratio Lower Upper

131 100

133 96.1 76.8 115.2

119 61.2 49.0 73.6





#57

Chlorobenzene

Concen: 9.777 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

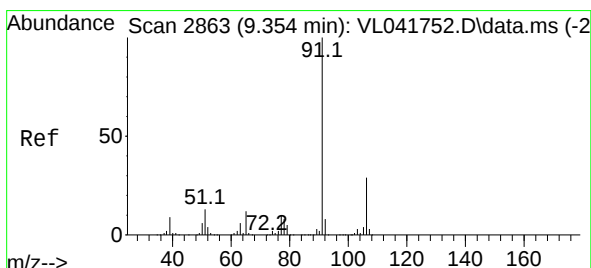
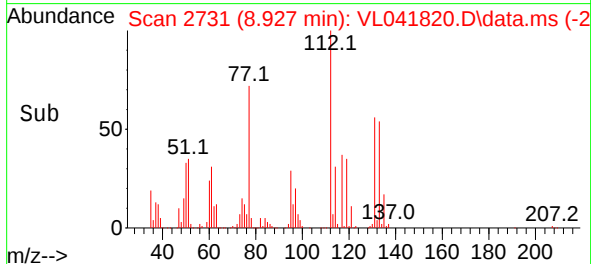
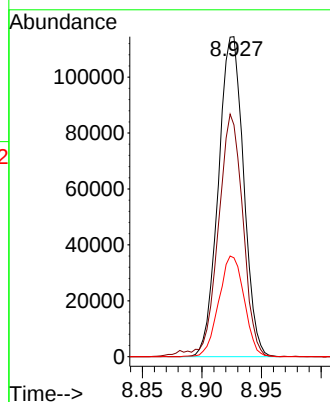
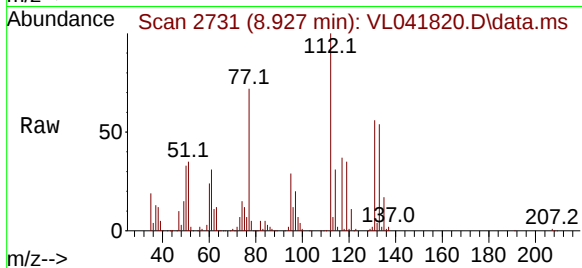
Tgt Ion:112 Resp: 168612

Ion Ratio Lower Upper

112 100

77 72.4 57.4 86.0

114 30.9 27.4 33.4



#58

Ethyl Benzene

Concen: 9.595 ppbv

RT: 9.357 min Scan# 2864

Delta R.T. 0.003 min

Lab File: VL041820.D

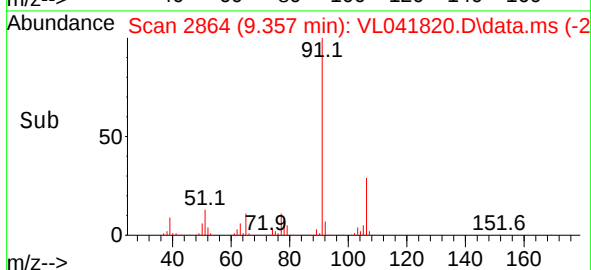
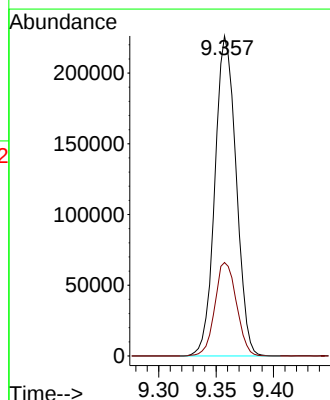
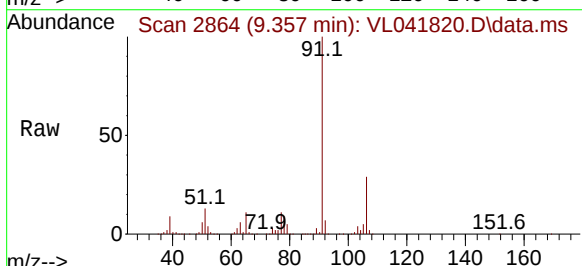
Acq: 19 Dec 2024 14:49

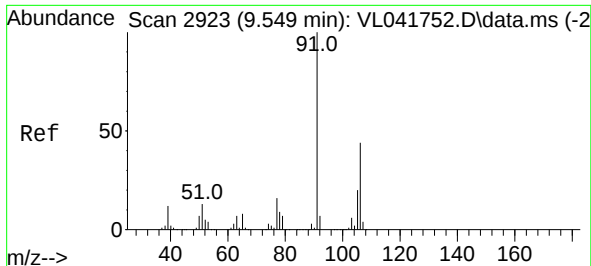
Tgt Ion: 91 Resp: 291119

Ion Ratio Lower Upper

91 100

106 29.2 23.5 35.3





#59

m/p-Xylene

Concen: 9.664 ppbv

RT: 9.555 min Scan# 2923

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

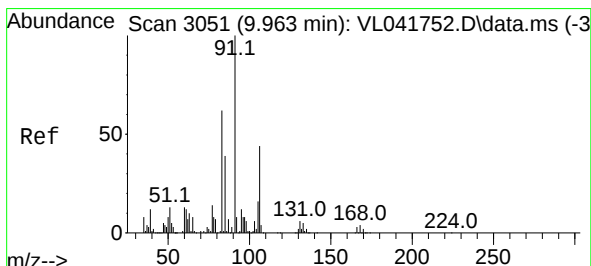
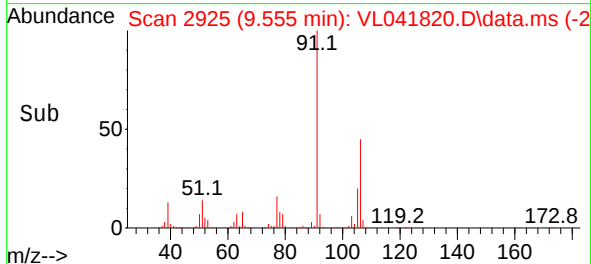
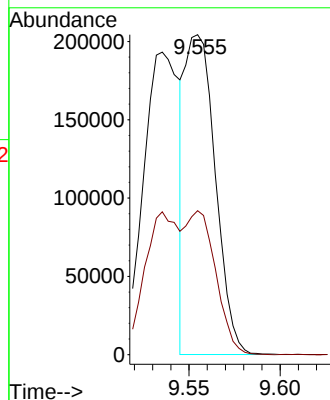
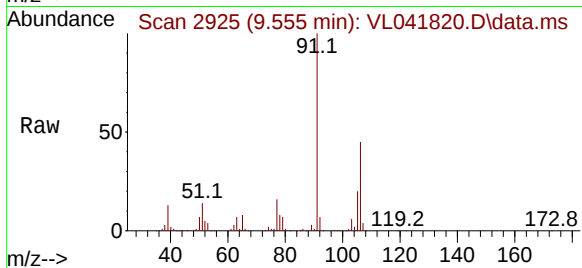
ClientSampleId :

Tgt Ion: 91 Resp: 235754

Ion Ratio Lower Upper

91 100

106 96.2 0.0 0.0#



#60

o-Xylene

Concen: 10.201 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL041820.D

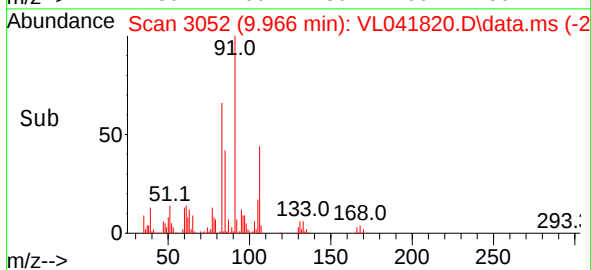
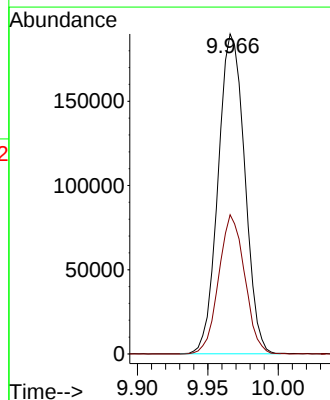
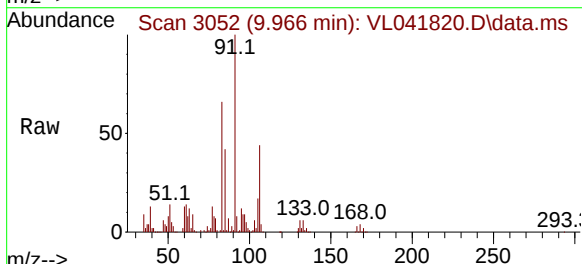
Acq: 19 Dec 2024 14:49

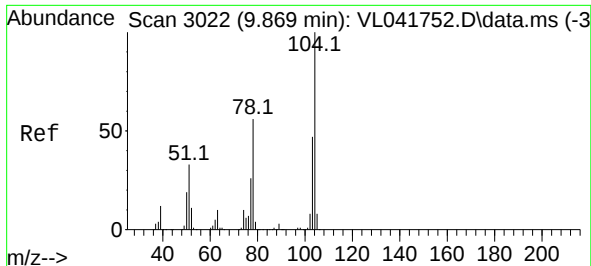
Tgt Ion: 91 Resp: 249559

Ion Ratio Lower Upper

91 100

106 42.5 21.1 63.4

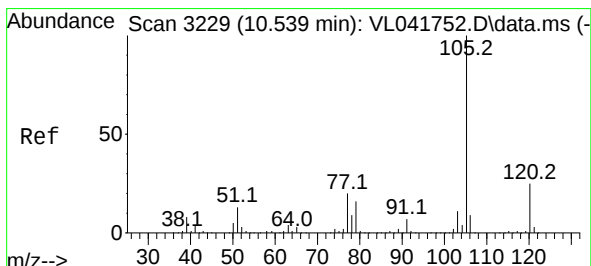
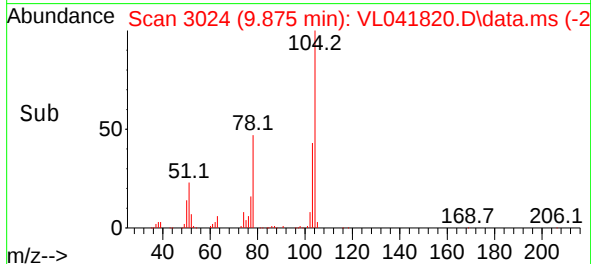
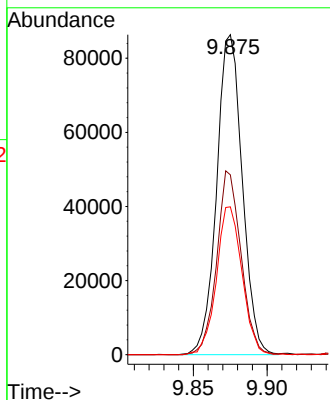
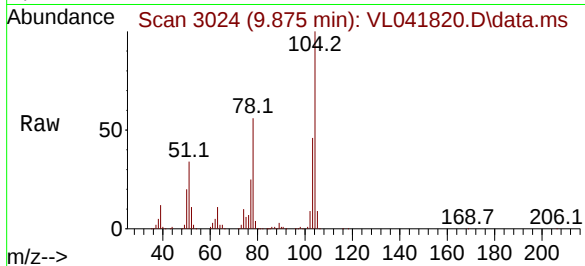




#61
Styrene
Concen: 9.880 ppbv
RT: 9.875 min Scan# 3022
Delta R.T. 0.006 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

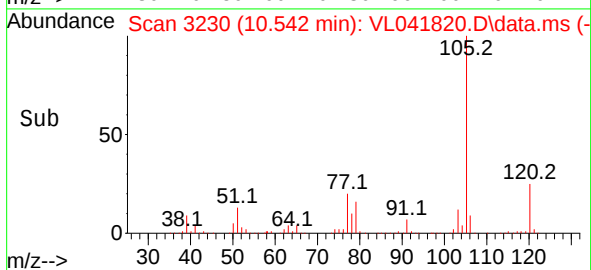
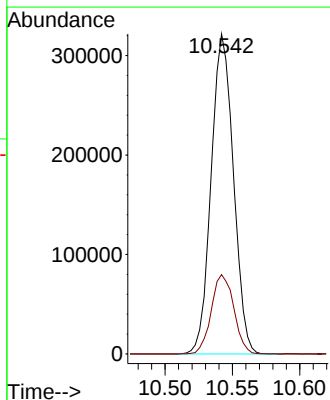
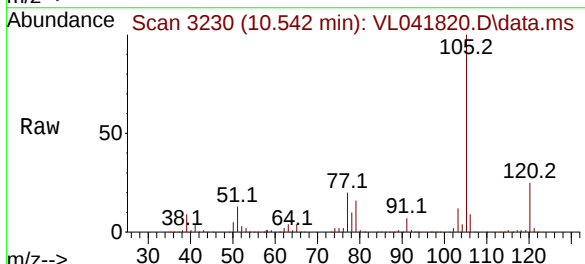
Instrument :
MSVOA_L
ClientSampleId :

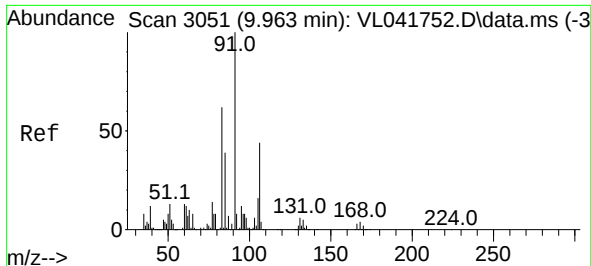
Tgt Ion:104 Resp: 104520
Ion Ratio Lower Upper
104 100
78 54.6 43.8 65.6
103 46.1 37.8 56.6



#62
Isopropylbenzene
Concen: 10.055 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.003 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

Tgt Ion:105 Resp: 369582
Ion Ratio Lower Upper
105 100
120 25.1 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 10.662 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

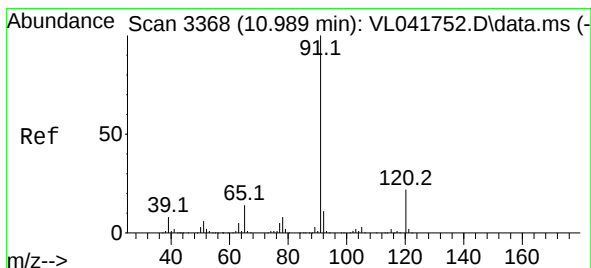
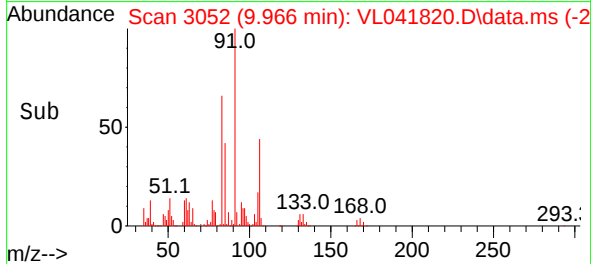
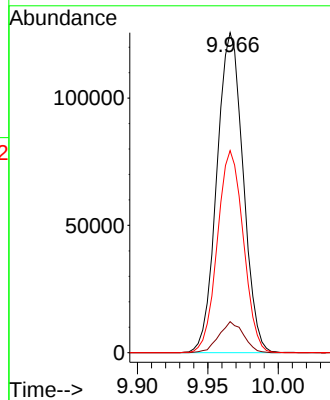
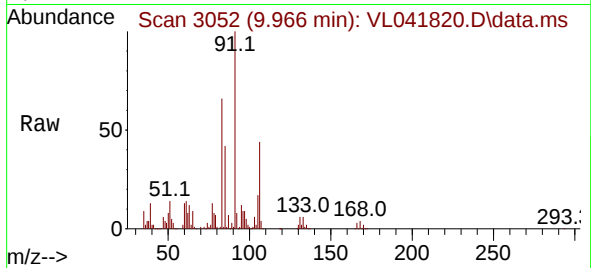
Tgt Ion: 83 Resp: 163278

Ion Ratio Lower Upper

83 100

131 9.1 4.9 14.7

85 62.4 32.0 96.2



#64

n-propylbenzene

Concen: 10.281 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.003 min

Lab File: VL041820.D

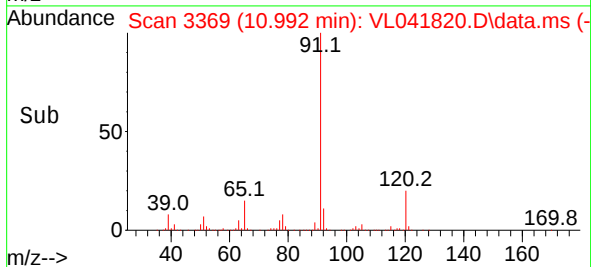
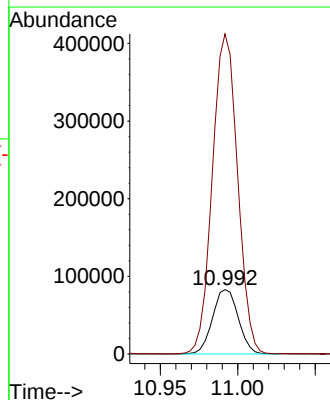
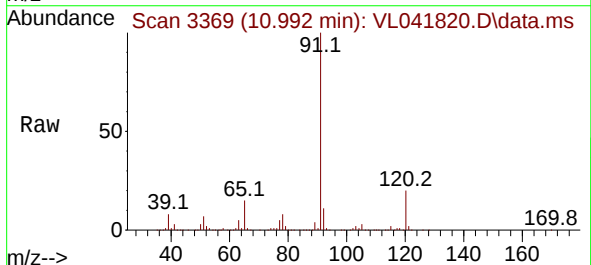
Acq: 19 Dec 2024 14:49

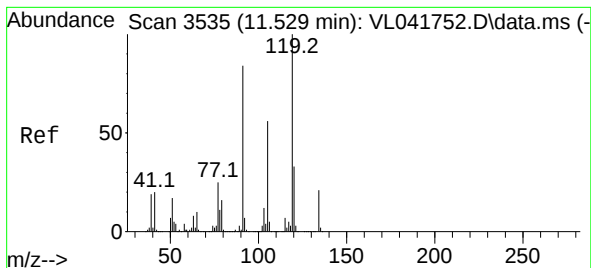
Tgt Ion:120 Resp: 95547

Ion Ratio Lower Upper

120 100

91 489.2 387.3 580.9





#65

tert-Butylbenzene

Concen: 10.020 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

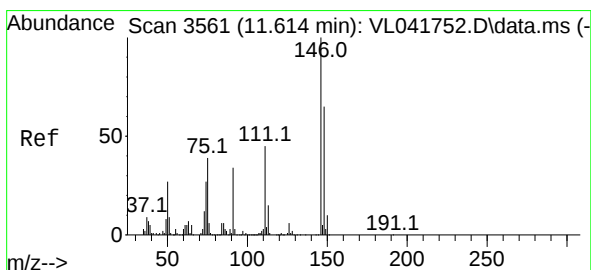
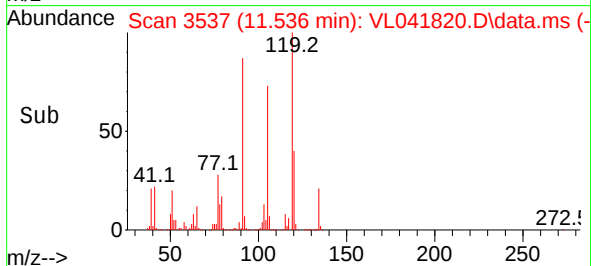
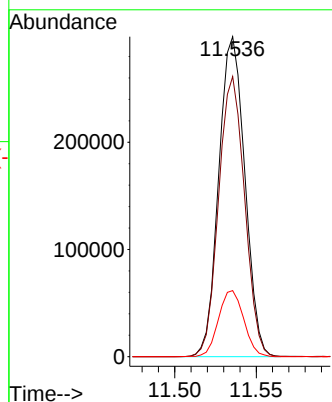
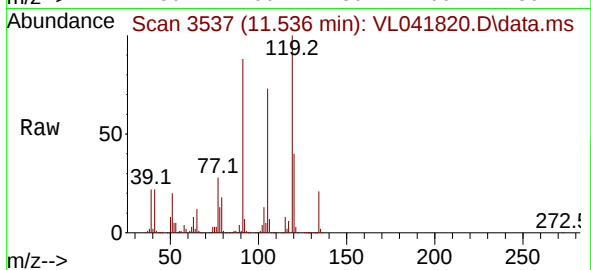
Tgt Ion:119 Resp: 332294

Ion Ratio Lower Upper

119 100

91 87.2 67.0 100.4

134 20.0 16.5 24.7



#66

Benzyl Chloride

Concen: 8.507 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

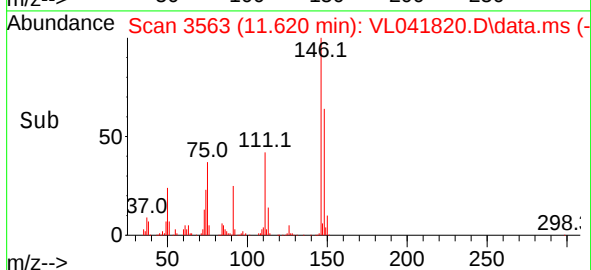
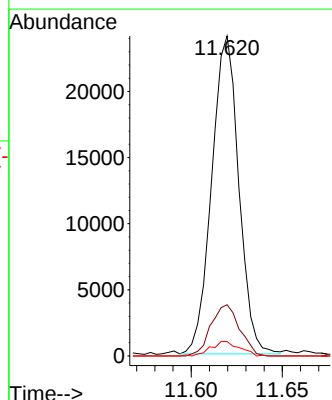
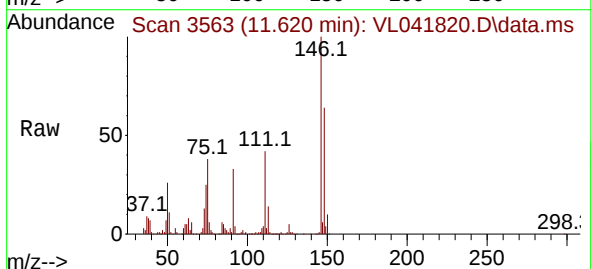
Tgt Ion: 91 Resp: 24851

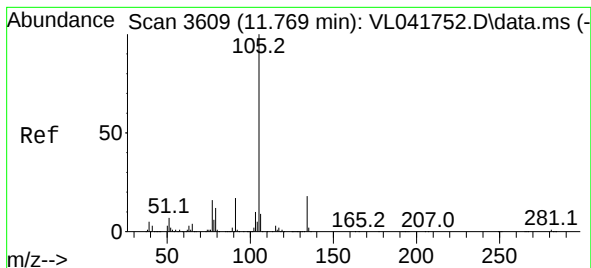
Ion Ratio Lower Upper

91 100

126 17.0 13.9 20.9

128 4.9 4.4 6.6





#67

sec-Butylbenzene

Concen: 10.472 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

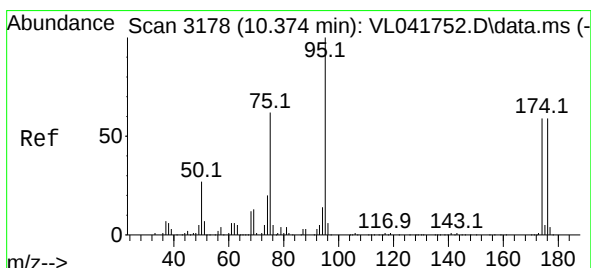
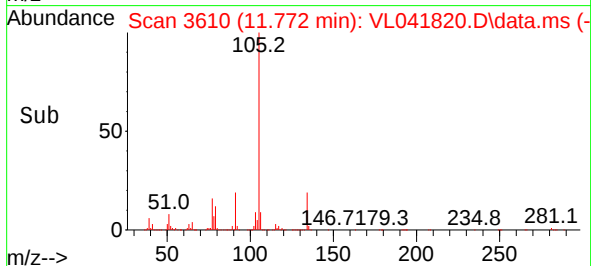
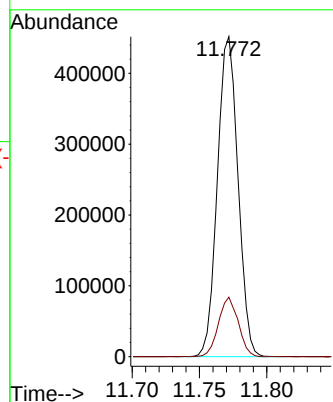
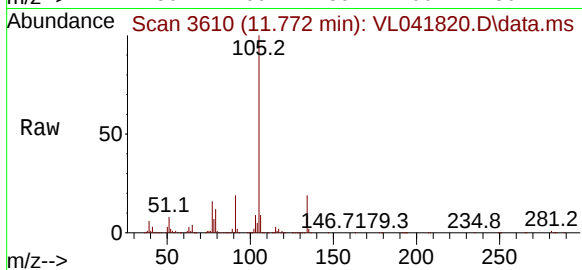
ClientSampleId :

Tgt Ion:105 Resp: 480545

Ion Ratio Lower Upper

105 100

134 18.0 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.403 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

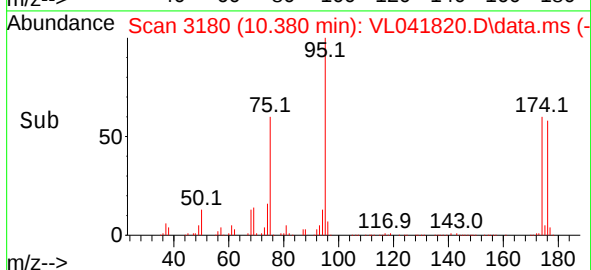
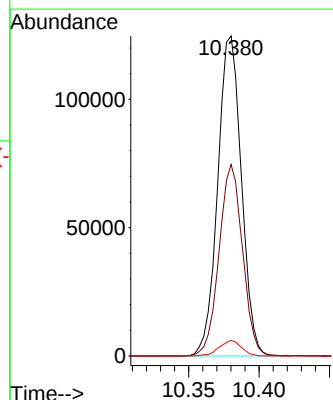
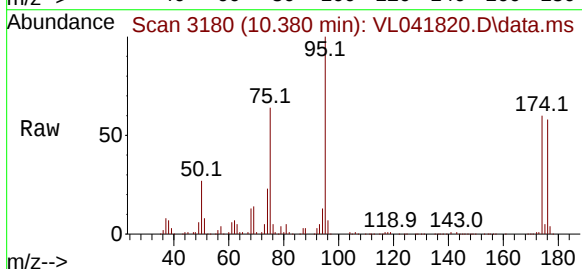
Tgt Ion: 95 Resp: 146093

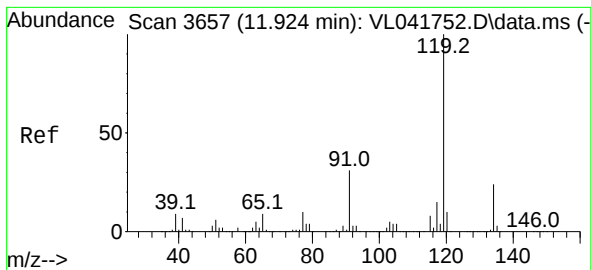
Ion Ratio Lower Upper

95 100

174 59.2 47.6 71.4

175 4.6 3.7 5.5





#69

p-Isopropyltoluene

Concen: 10.530 ppbv

RT: 11.930 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

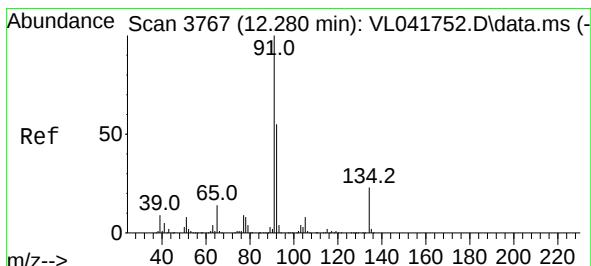
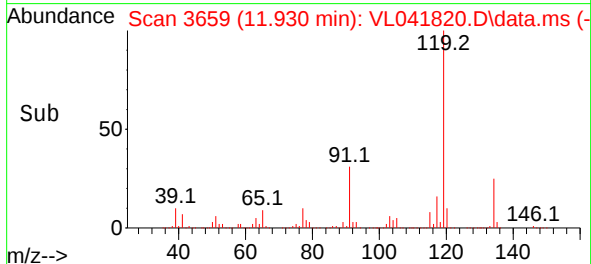
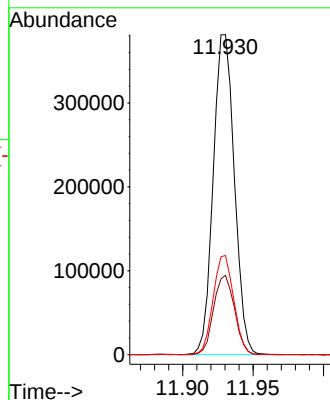
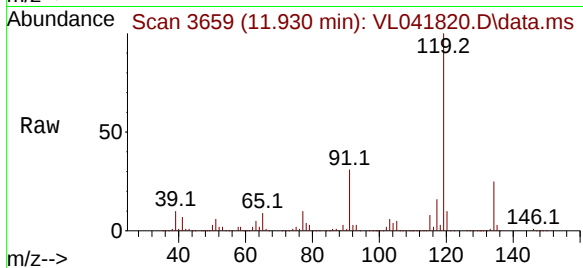
Tgt Ion:119 Resp: 398238

Ion Ratio Lower Upper

119 100

134 24.6 19.6 29.4

91 30.4 24.4 36.6



#70

n-Butylbenzene

Concen: 10.905 ppbv

RT: 12.286 min Scan# 3769

Delta R.T. 0.006 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

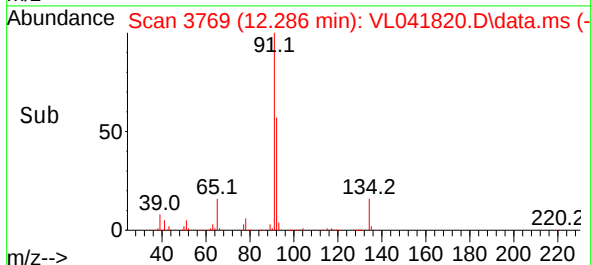
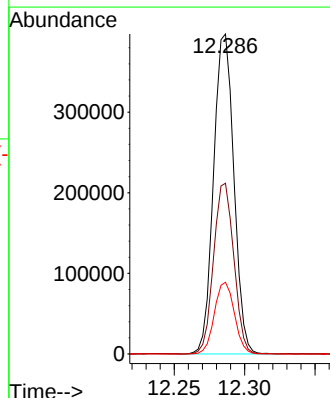
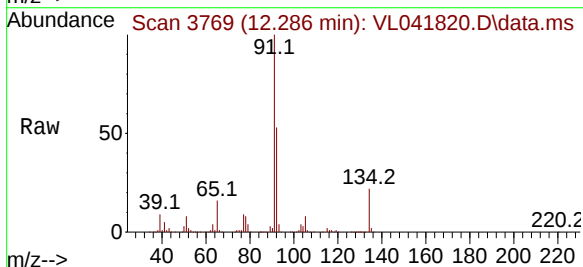
Tgt Ion: 91 Resp: 398457

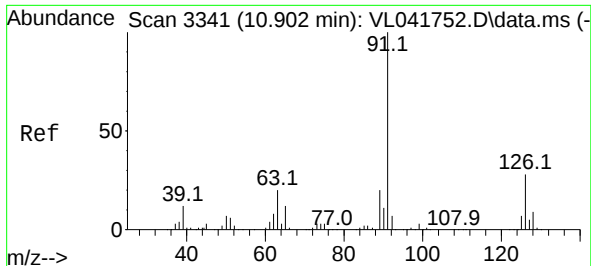
Ion Ratio Lower Upper

91 100

92 53.4 43.2 64.8

134 22.1 18.2 27.4

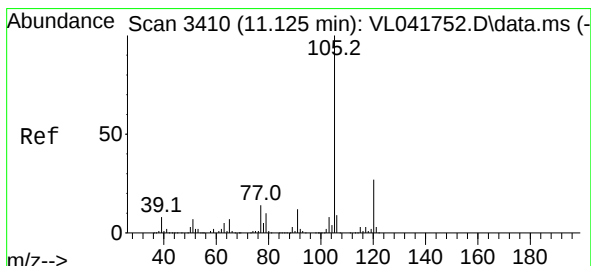
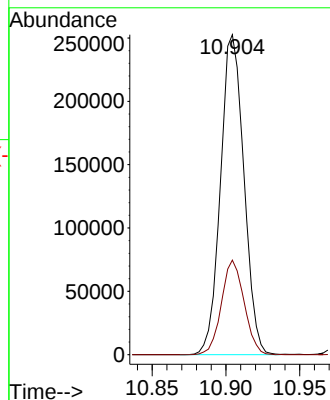
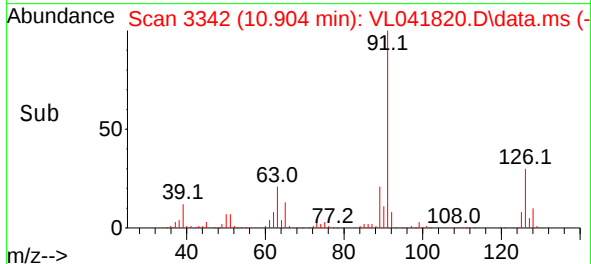
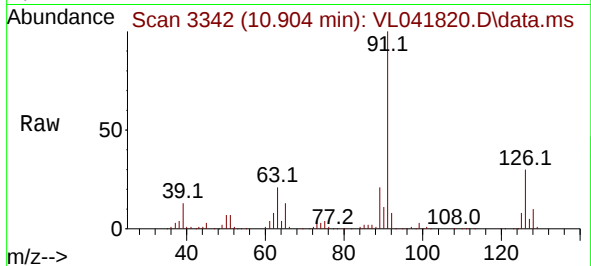




#71
2-Chlorotoluene
Concen: 9.936 ppbv
RT: 10.904 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

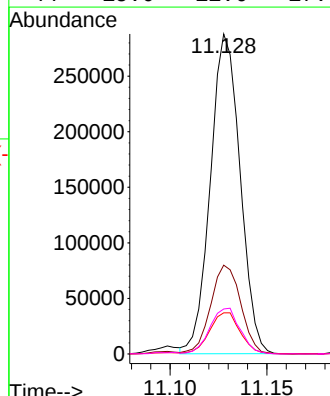
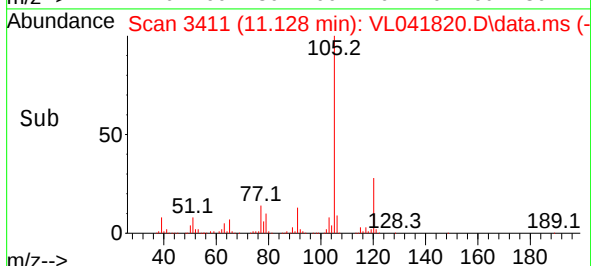
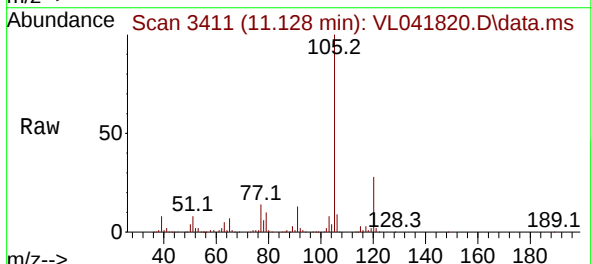
Instrument :
MSVOA_L
ClientSampleId :

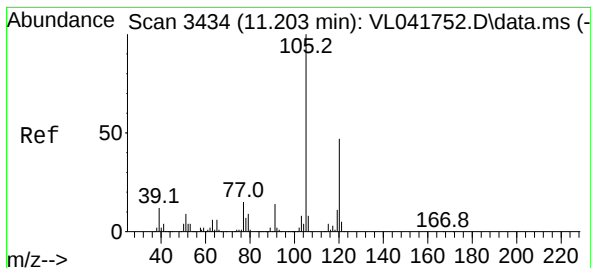
Tgt Ion: 91 Resp: 278779
Ion Ratio Lower Upper
91 100
126 28.6 11.6 46.4



#72
4-Ethyltoluene
Concen: 10.642 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL041820.D
Acq: 19 Dec 2024 14:49

Tgt Ion:105 Resp: 307317
Ion Ratio Lower Upper
105 100
120 28.8 23.3 34.9
91 13.9 10.9 16.3
77 15.0 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 10.984 ppbv

RT: 11.205 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

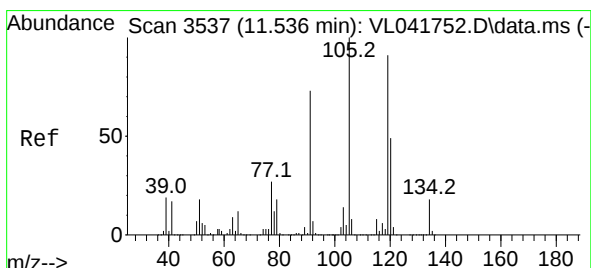
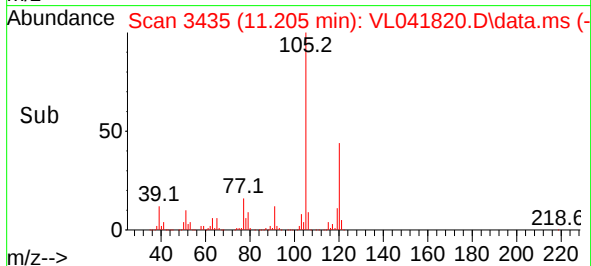
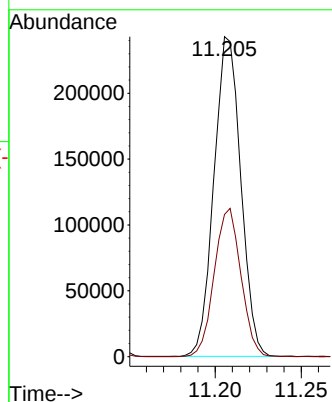
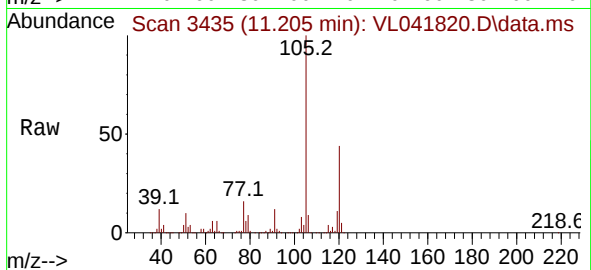
ClientSampleId :

Tgt Ion:105 Resp: 263169

Ion Ratio Lower Upper

105 100

120 44.5 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 11.104 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Tgt Ion:105 Resp: 286070

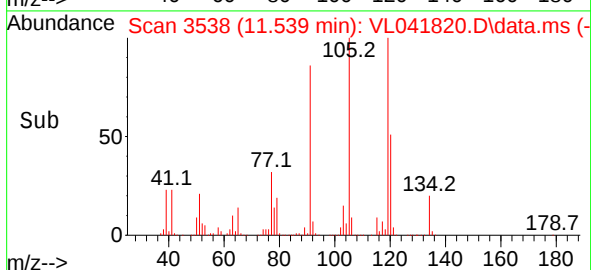
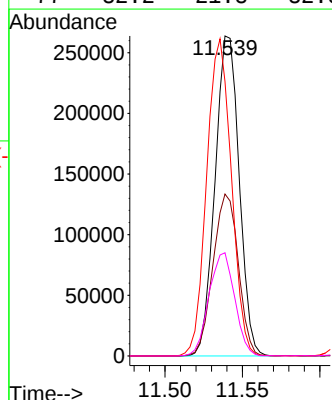
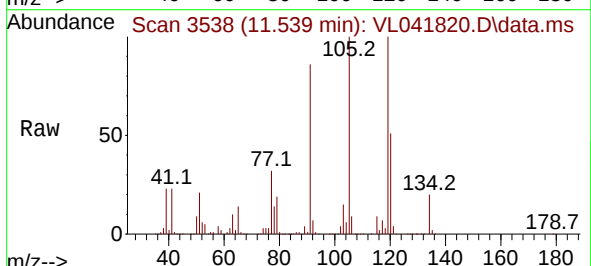
Ion Ratio Lower Upper

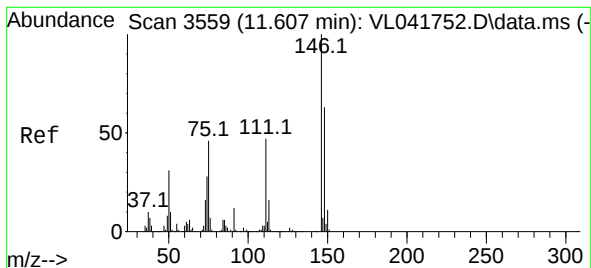
105 100

120 50.6 39.0 58.4

91 85.7 58.1 87.1

77 32.2 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 10.327 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

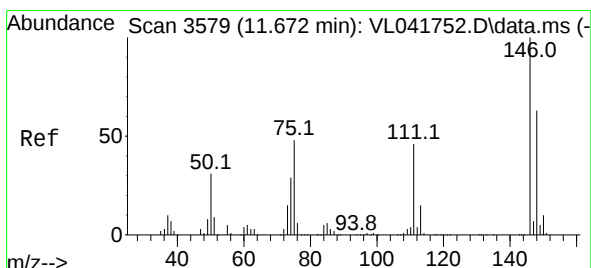
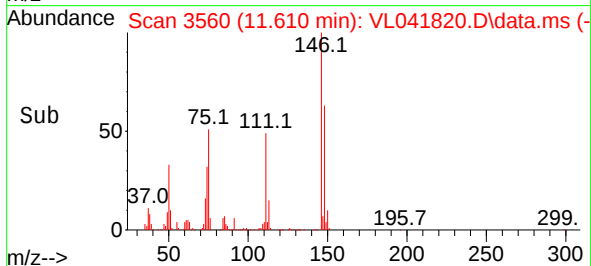
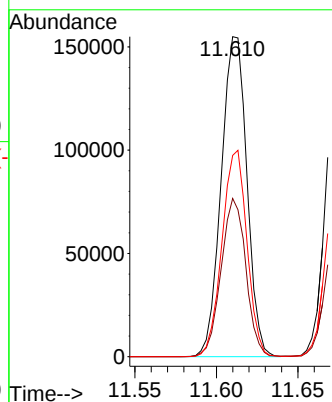
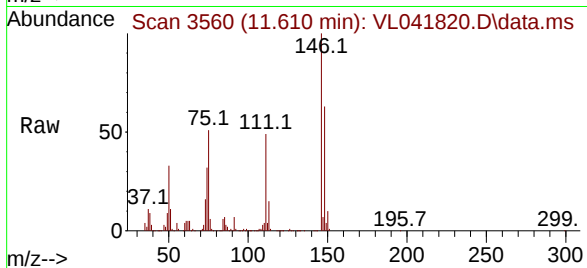
Tgt Ion:146 Resp: 169639

Ion Ratio Lower Upper

146 100

111 47.7 23.4 70.3

148 62.6 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 10.344 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

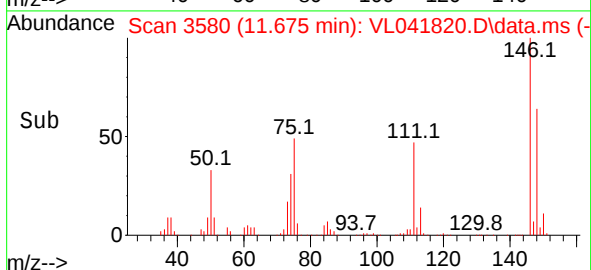
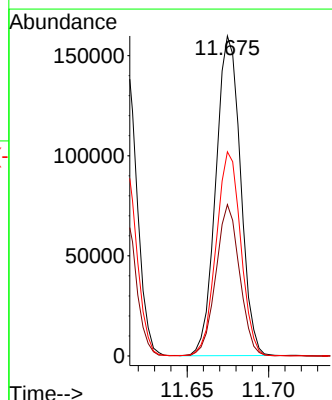
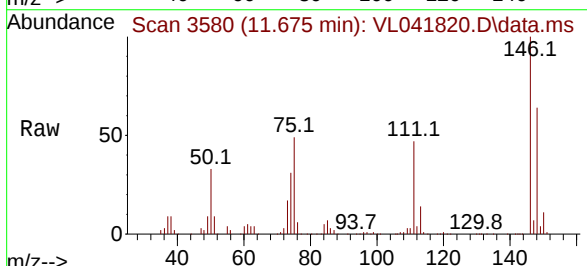
Tgt Ion:146 Resp: 167846

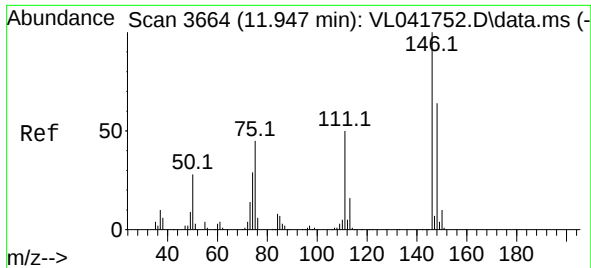
Ion Ratio Lower Upper

146 100

111 45.8 22.7 68.1

148 63.9 31.4 94.0





#77

1,2-Dichlorobenzene

Concen: 10.203 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

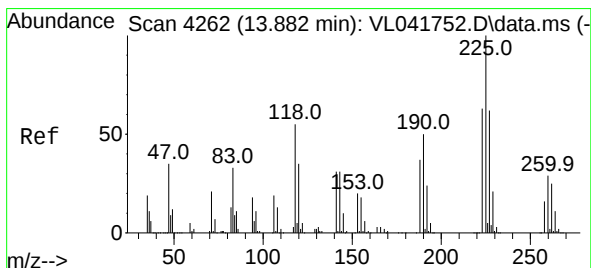
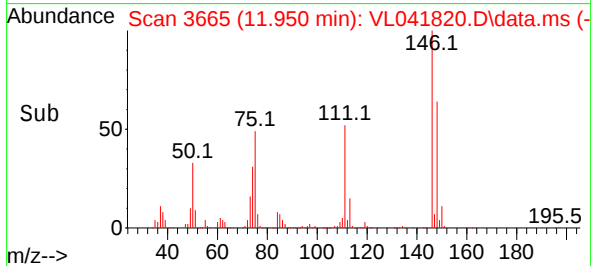
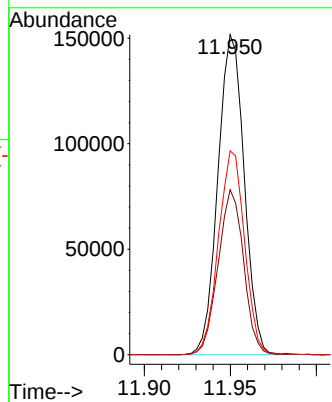
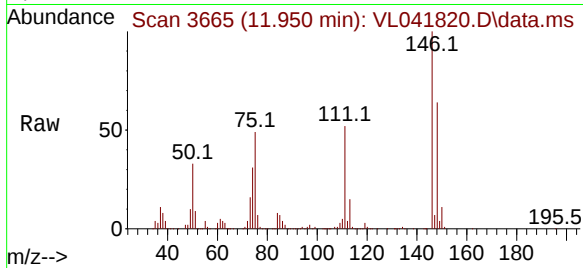
Tgt Ion:146 Resp: 161258

Ion Ratio Lower Upper

146 100

111 50.0 24.8 74.3

148 63.5 31.8 95.4



#78

Hexachloro-1,3-Butadiene

Concen: 8.044 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

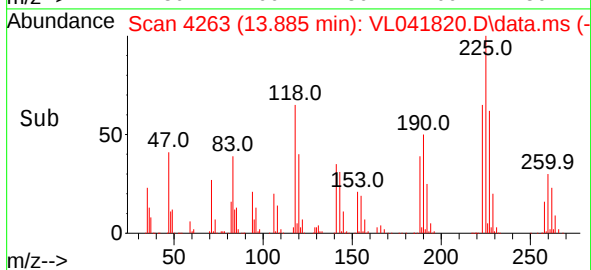
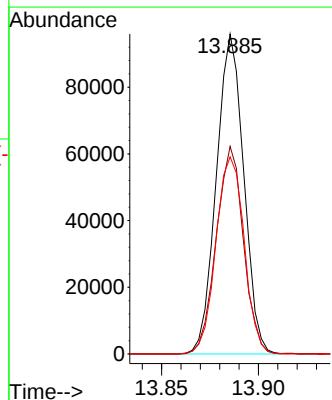
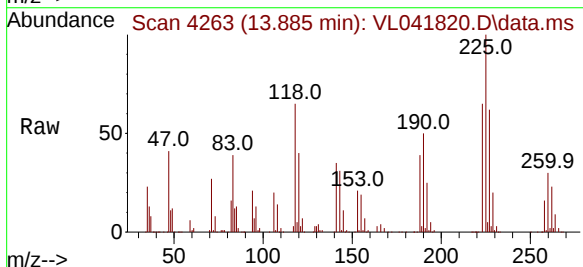
Tgt Ion:225 Resp: 94266

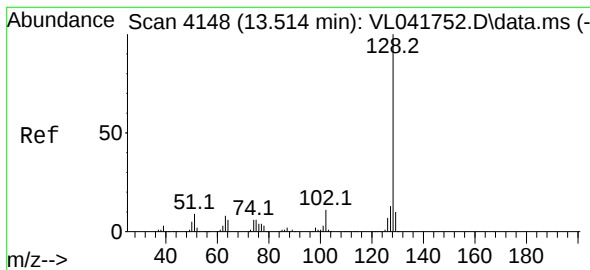
Ion Ratio Lower Upper

225 100

223 64.5 50.5 75.7

227 63.6 50.3 75.5





#79

Naphthalene

Concen: 11.178 ppbv

RT: 13.516 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

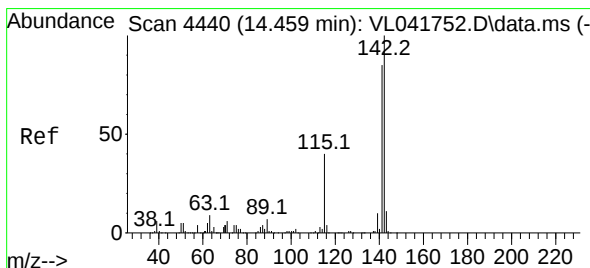
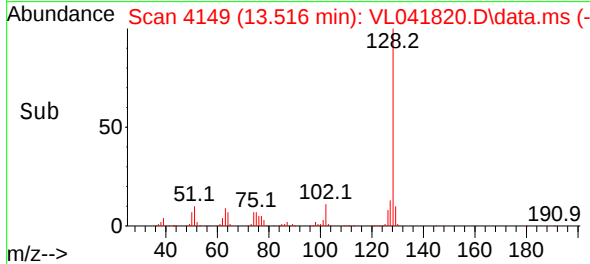
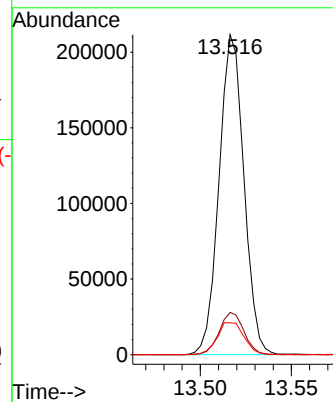
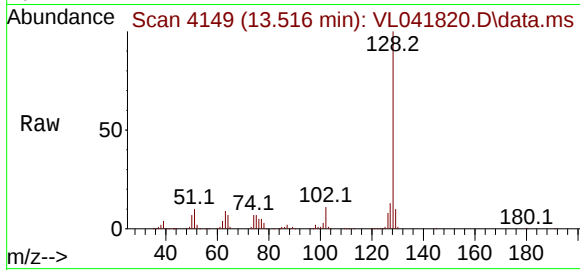
Tgt Ion:128 Resp: 200671

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

129 10.0 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 15.478 ppbv

RT: 14.461 min Scan# 4441

Delta R.T. 0.003 min

Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

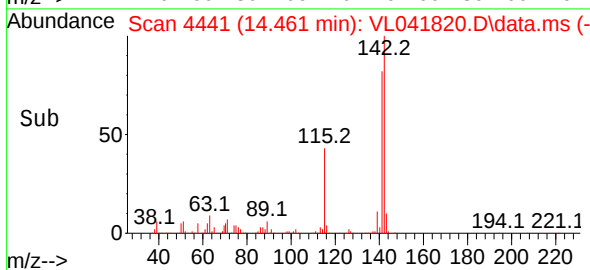
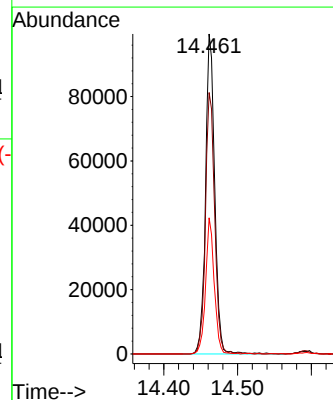
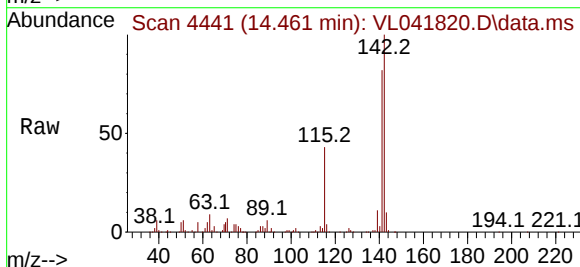
Tgt Ion:142 Resp: 85944

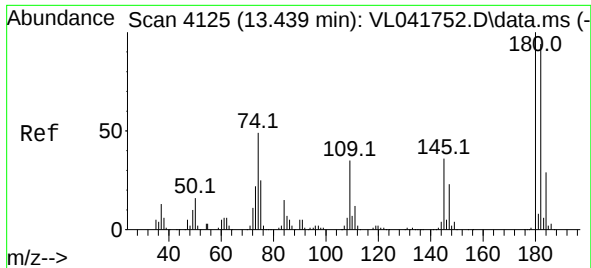
Ion Ratio Lower Upper

142 100

141 83.0 68.4 102.6

115 40.4 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 9.457 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.006 min

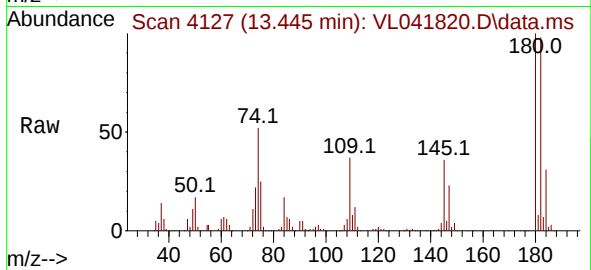
Lab File: VL041820.D

Acq: 19 Dec 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 92768

Ion Ratio Lower Upper

180 100

182 95.7 77.0 115.6

184 30.5 23.8 35.8

