

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041754.D
 Acq On : 16 Dec 2024 14:34
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Dec 19 06:13:31 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 06:09:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	65928	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	178926	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	162267	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	132857	9.825	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	12706	1.083	ppbv	98
3) Chlorodifluoromethane	1.473	51	11187	1.041	ppbv	98
4) Chloromethane	1.531	50	4805	1.047	ppbv	99
5) Vinyl Chloride	1.580	62	4580	0.990	ppbv	98
6) Bromomethane	1.667	94	2394	1.097	ppbv	99
7) Chloroethane	1.703	64	1763	0.981	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	10938	1.042	ppbv	99
9) Propene	1.483	41	4840	1.039	ppbv	94
10) Heptane	4.972	43	12004	1.003	ppbv	93
11) Trichlorofluoromethane	1.874	101	12625	1.013	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	9915	1.046	ppbv	98
13) Ethanol	1.719	45	615	1.587	ppbv	74
14) Bromoethene	1.780	108	3148	0.984	ppbv #	86
15) Acetone	1.832	43	15060	1.174	ppbv	99
16) 1,3-Butadiene	1.609	39	5137	1.017	ppbv	95
17) tert-Butyl alcohol	2.039	59	13341	1.048	ppbv	96
18) 1,1-Dichloroethene	2.033	96	4139	1.042	ppbv	96
19) Isopropyl Alcohol	1.884	45	8703	1.131	ppbv	100
20) Methylene Chloride	2.059	84	3868	1.057	ppbv	92
21) Allyl Chloride	2.094	41	7425	1.067	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	4599	1.011	ppbv	96
23) Vinyl Acetate	2.460	43	5345	0.959	ppbv #	95
24) 1,1-Dichloroethane	2.408	63	9621	1.045	ppbv	98
25) Ethyl Acetate	2.836	43	25141	1.049	ppbv	99
26) Hexane	2.826	57	9250	1.021	ppbv	93
27) Carbon Disulfide	2.149	76	8152	0.999	ppbv #	19
28) Methyl tert-Butyl Ether	2.441	73	8539	1.162	ppbv	94
29) Chloroform	2.845	83	14384	1.042	ppbv	96
30) Cyclohexane	3.852	84	7824	1.015	ppbv	94
31) cis-1,2-Dichloroethene	2.719	61	10013	1.070	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	14415	1.049	ppbv	98
34) 2-Butanone	2.557	43	14673	1.019	ppbv	99
35) Carbon Tetrachloride	3.761	117	6520	0.513	ppbv	98
36) Benzene	3.651	78	19331	1.044	ppbv	97
37) 1,2-Dichloroethane	3.214	62	11490	0.998	ppbv #	94
38) Trichloroethene	4.541	130	4300	0.552	ppbv	94
39) 1,2-Dichloropropane	4.311	63	7068	1.056	ppbv	86
40) 1,4-Dioxane	4.596	88	3241	0.991	ppbv #	40
41) Tetrahydrofuran	3.062	42	8727	1.082	ppbv	97
42) Bromodichloromethane	4.489	83	13154	0.993	ppbv	100
43) Methyl Methacrylate	4.875	69	4727	0.670	ppbv #	34
44) 2,2,4-Trimethylpentane	4.638	57	32361	1.024	ppbv	97
45) t-1,3-Dichloropropene	6.412	75	7027	0.963	ppbv	98

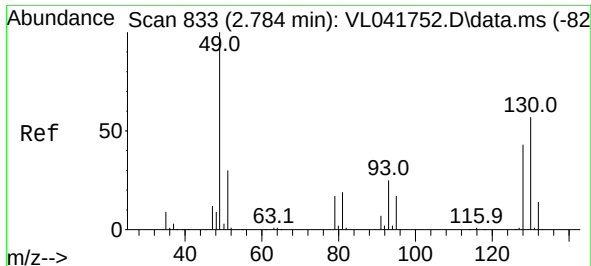
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041754.D
 Acq On : 16 Dec 2024 14:34
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Dec 19 06:13:31 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 06:09:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	5402	0.583	ppbv	86
47) 1,1,2-Trichloroethane	6.571	97	2694	0.385	ppbv	93
48) Dibromochloromethane	7.383	129	8817	0.924	ppbv	97
49) Bromoform	9.480	173	7073	0.905	ppbv	96
50) 4-Methyl-2-Pentanone	5.761	43	20212	1.031	ppbv	100
51) 2-Hexanone	7.441	43	16514	1.040	ppbv #	99
52) Tetrachloroethene	8.218	164	3765	0.547	ppbv	92
53) Toluene	6.930	91	21594	1.029	ppbv	100
54) 1,2-Dibromoethane	7.648	107	9758	1.013	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.924	131	8643	1.005	ppbv	93
57) Chlorobenzene	8.920	112	17500	1.054	ppbv	97
58) Ethyl Benzene	9.351	91	29762	1.019	ppbv	98
59) m/p-Xylene	9.548	91	16252	0.692	ppbv #	100
60) o-Xylene	9.963	91	24210	1.028	ppbv	98
61) Styrene	9.869	104	9707	0.953	ppbv	100
62) Isopropylbenzene	10.539	105	36251	1.024	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	14752	1.001	ppbv	98
64) n-propylbenzene	10.985	120	9432	1.054	ppbv	91
65) tert-Butylbenzene	11.529	119	32887	1.030	ppbv	100
66) Benzyl Chloride	11.610	91	2518	0.894	ppbv	97
67) sec-Butylbenzene	11.765	105	45015	1.019	ppbv	98
69) p-Isopropyltoluene	11.924	119	36298	0.997	ppbv	98
70) n-Butylbenzene	12.280	91	35432	1.007	ppbv	98
71) 2-Chlorotoluene	10.901	91	27561	1.020	ppbv	97
72) 4-Ethyltoluene	11.125	105	26921	0.970	ppbv	98
73) 1,3,5-Trimethylbenzene	11.202	105	22360	0.969	ppbv	95
74) 1,2,4-Trimethylbenzene	11.536	105	24654	0.994	ppbv	98
75) 1,3-Dichlorobenzene	11.604	146	16476	1.042	ppbv	100
76) 1,4-Dichlorobenzene	11.668	146	15774	1.010	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	15866	1.043	ppbv	97
78) Hexachloro-1,3-Butadiene	13.882	225	12266	1.087	ppbv	97
79) Naphthalene	13.513	128	16971	0.982	ppbv	96
80) Naphthalene,2-methyl-	14.458	142	1504	0.281	ppbv #	90
81) 1,2,4-Trichlorobenzene	13.439	180	8973	0.950	ppbv	96

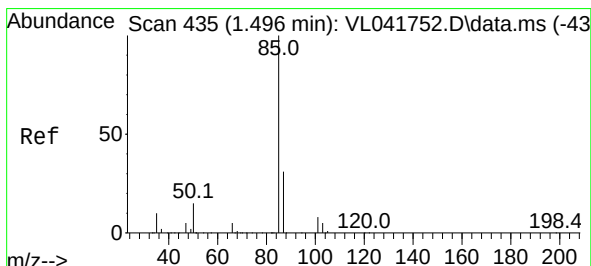
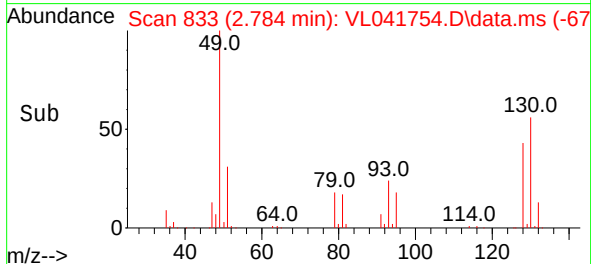
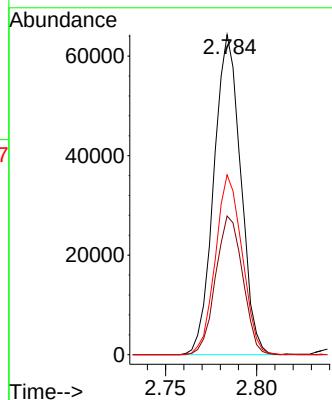
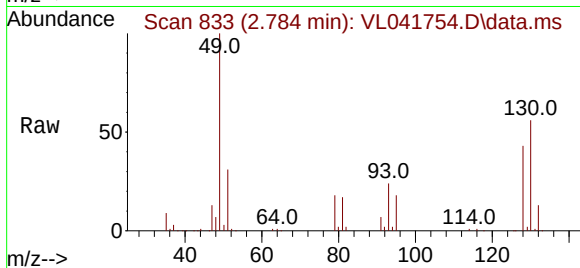
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

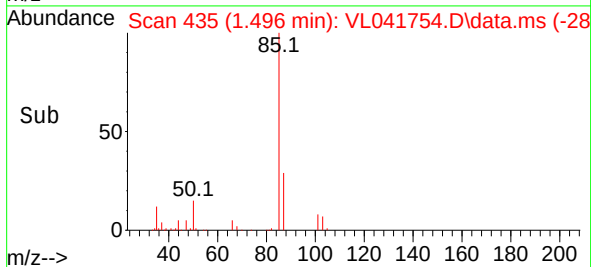
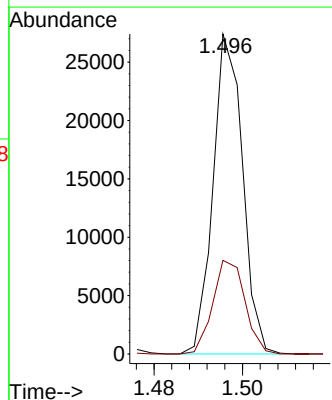
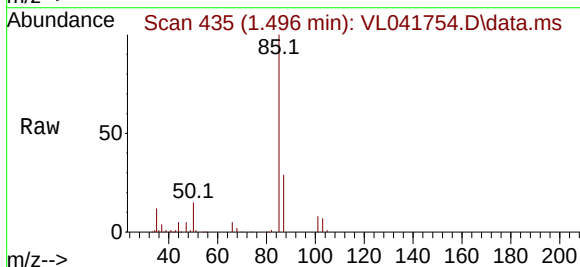
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

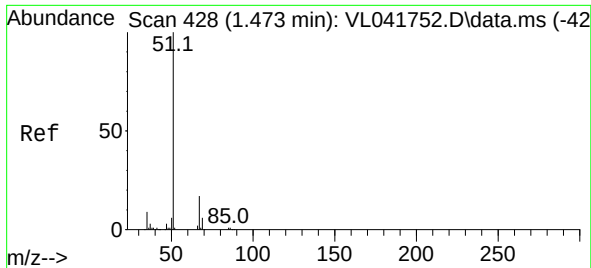
Tgt Ion: 49 Resp: 65928
Ion Ratio Lower Upper
49 100
128 43.6 21.6 64.6
130 56.0 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 1.083 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

Tgt Ion: 85 Resp: 12706
Ion Ratio Lower Upper
85 100
87 29.3 24.5 36.7





#3

Chlorodifluoromethane

Concen: 1.041 ppbv

RT: 1.473 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

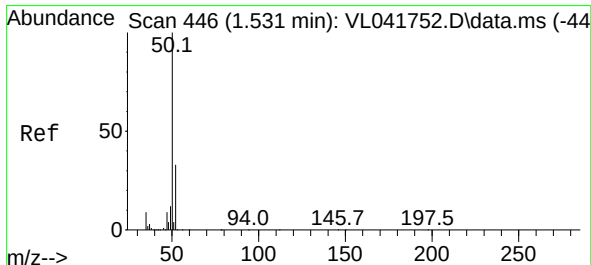
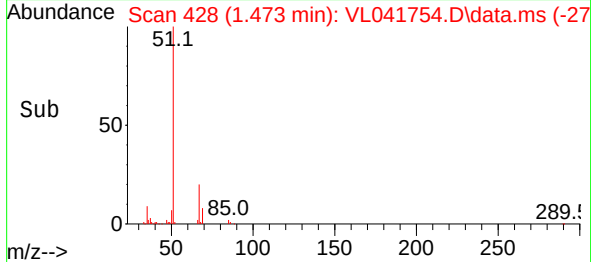
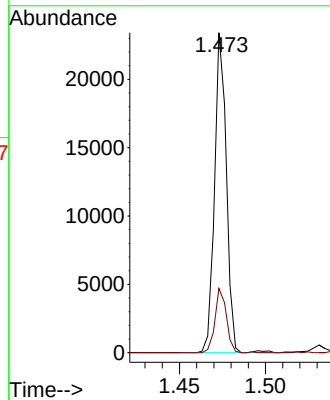
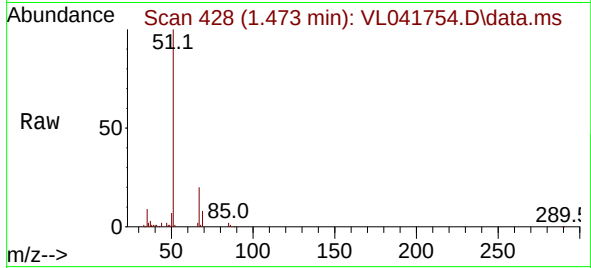
VSTDIC001

Tgt Ion: 51 Resp: 11187

Ion Ratio Lower Upper

51 100

67 19.4 15.0 22.4



#4

Chloromethane

Concen: 1.047 ppbv

RT: 1.531 min Scan# 446

Delta R.T. -0.000 min

Lab File: VL041754.D

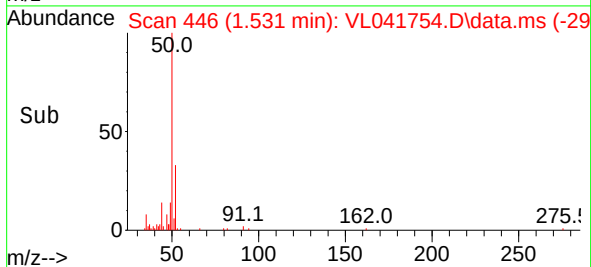
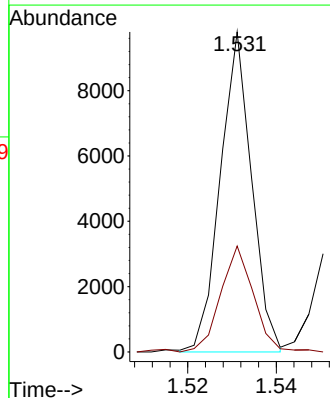
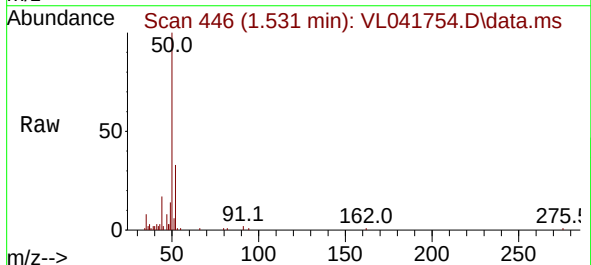
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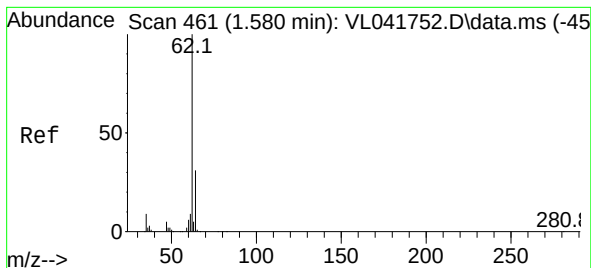
Tgt Ion: 50 Resp: 4805

Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.2





#5

Vinyl Chloride

Concen: 0.990 ppbv

RT: 1.580 min Scan# 4

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

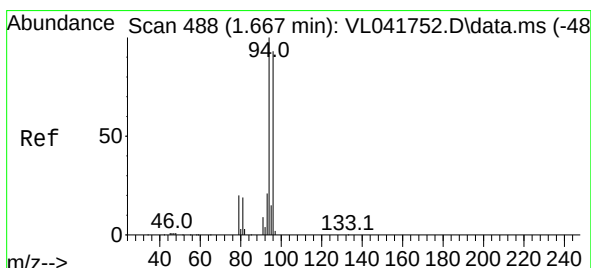
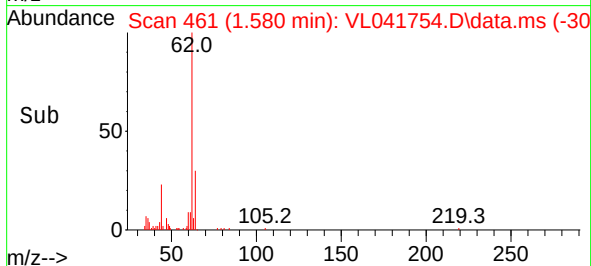
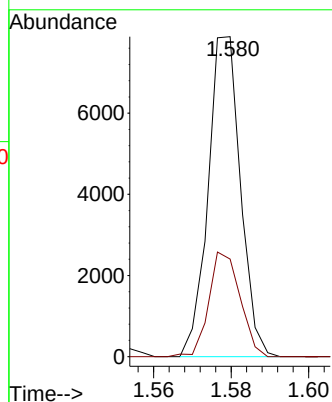
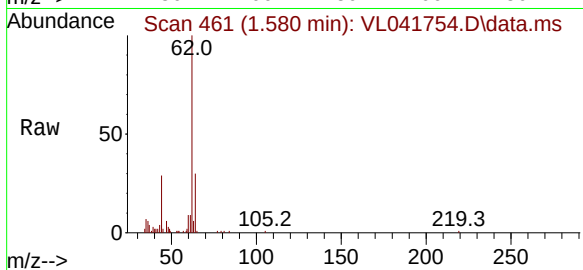
VSTDIC001

Tgt Ion: 62 Resp: 4580

Ion Ratio Lower Upper

62 100

64 30.5 25.1 37.7



#6

Bromomethane

Concen: 1.097 ppbv

RT: 1.667 min Scan# 488

Delta R.T. -0.000 min

Lab File: VL041754.D

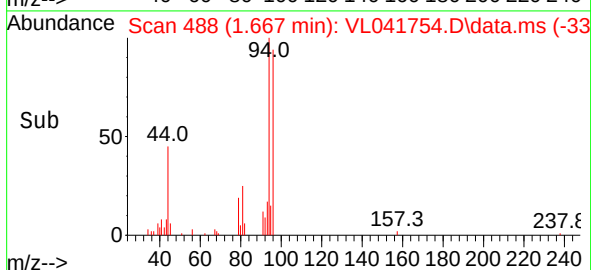
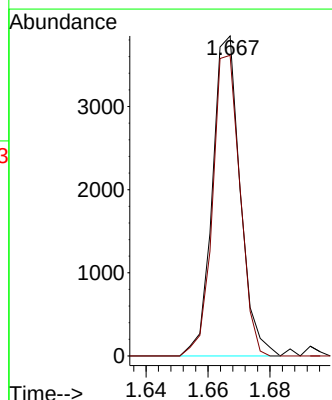
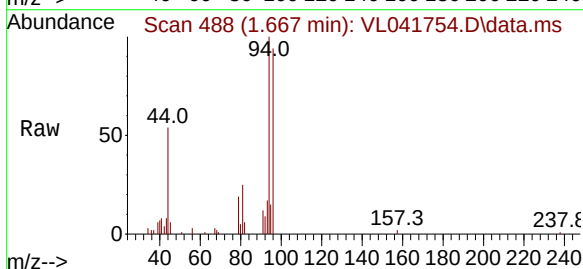
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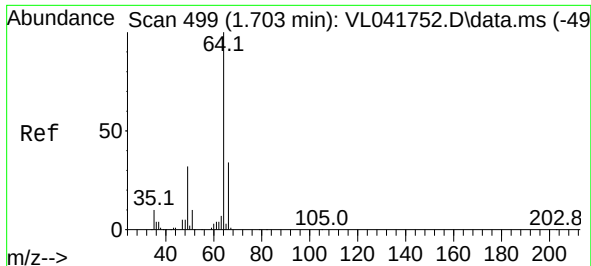
Tgt Ion: 94 Resp: 2394

Ion Ratio Lower Upper

94 100

96 94.0 74.7 112.1

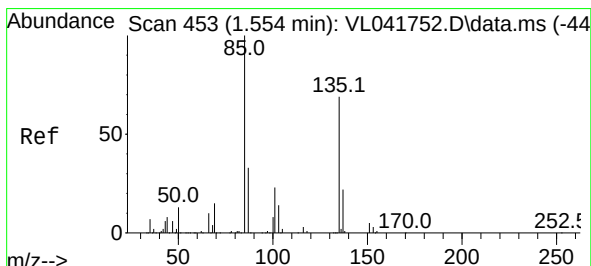
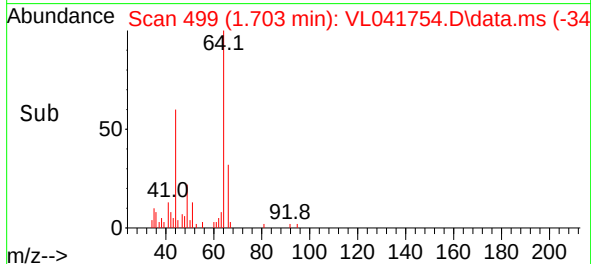
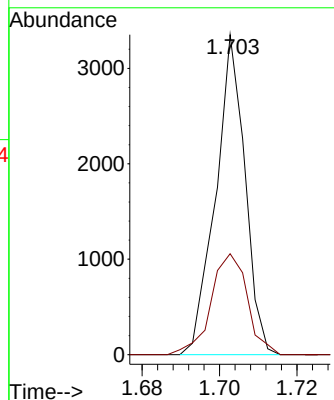
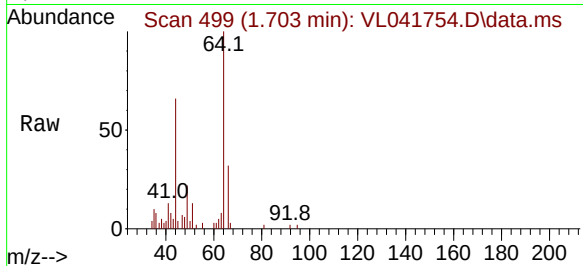




#7
Chloroethane
Concen: 0.981 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

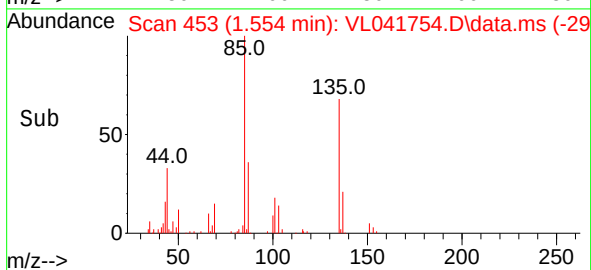
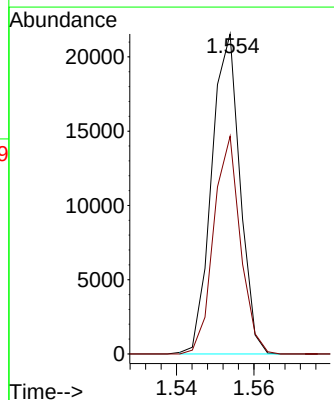
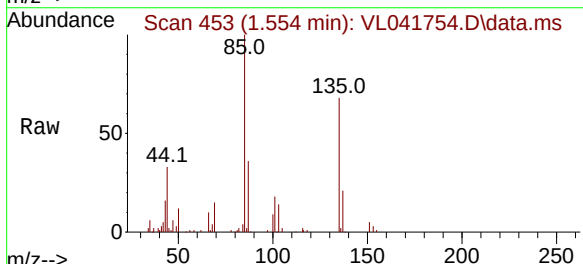
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

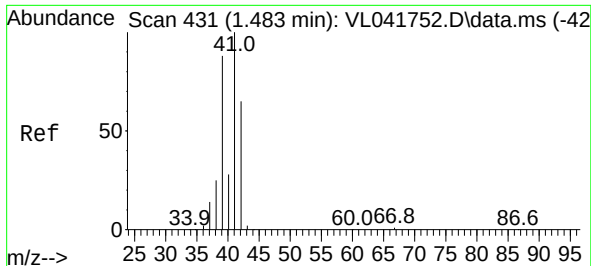
Tgt Ion: 64 Resp: 1763
Ion Ratio Lower Upper
64 100
66 31.5 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 1.042 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

Tgt Ion: 85 Resp: 10938
Ion Ratio Lower Upper
85 100
135 64.3 51.9 77.9





#9

Propene

Concen: 1.039 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

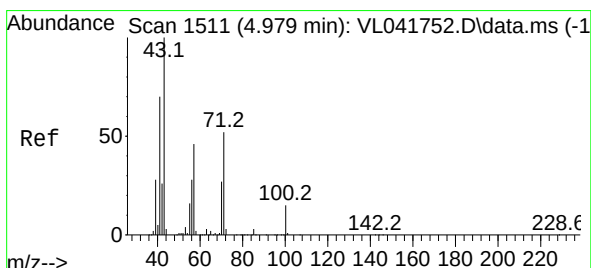
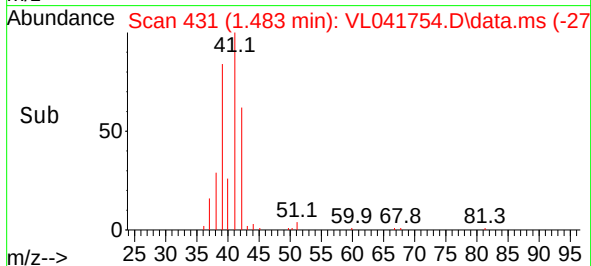
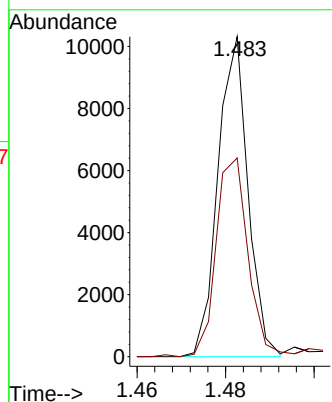
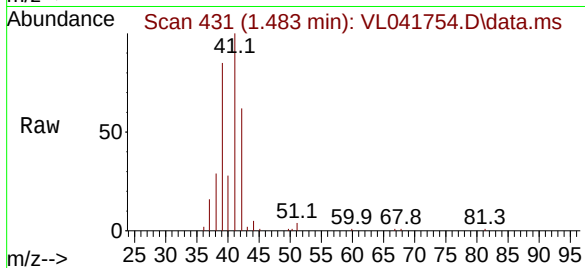
VSTDIC001

Tgt Ion: 41 Resp: 4840

Ion Ratio Lower Upper

41 100

42 70.4 52.4 78.6



#10

Heptane

Concen: 1.003 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. -0.007 min

Lab File: VL041754.D

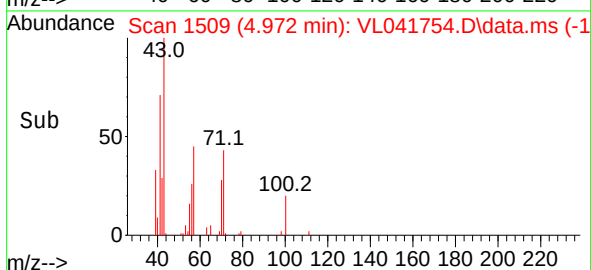
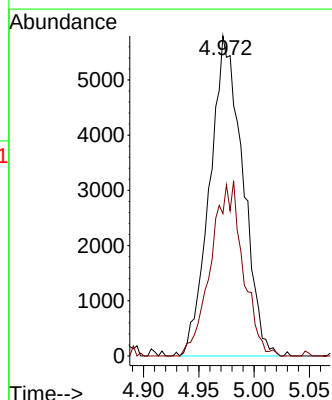
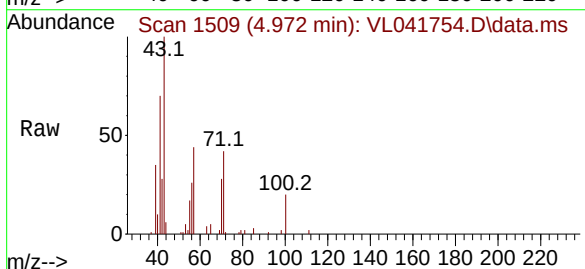
Acq: 16 Dec 2024 14:34

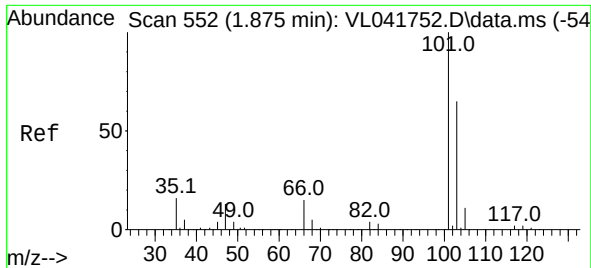
Tgt Ion: 43 Resp: 12004

Ion Ratio Lower Upper

43 100

57 53.0 38.5 57.7





#11

Trichlorofluoromethane

Concen: 1.013 ppbv

RT: 1.874 min Scan# 552

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

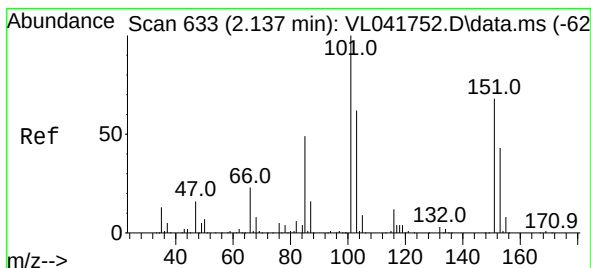
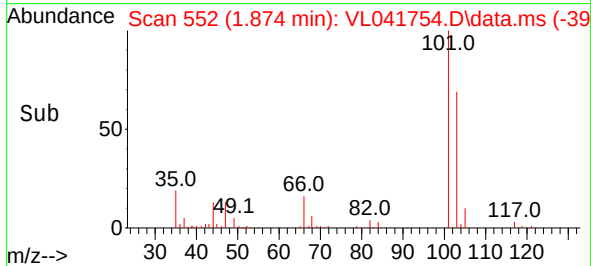
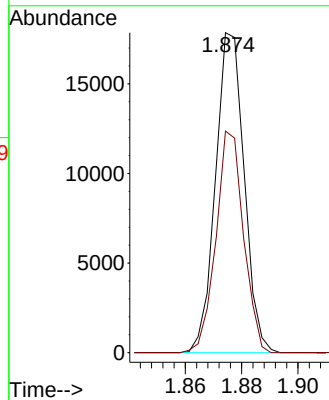
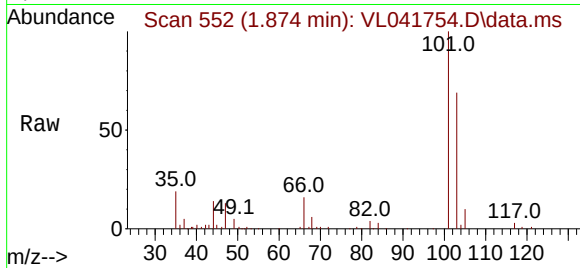
VSTDIC001

Tgt Ion:101 Resp: 12625

Ion Ratio Lower Upper

101 100

103 69.3 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.046 ppbv

RT: 2.136 min Scan# 633

Delta R.T. -0.000 min

Lab File: VL041754.D

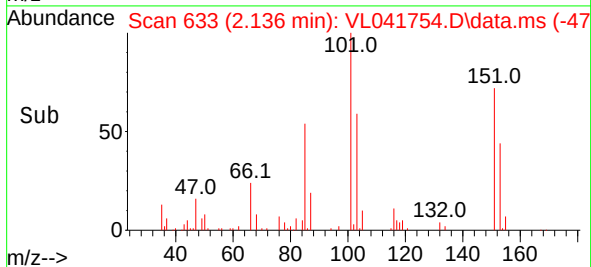
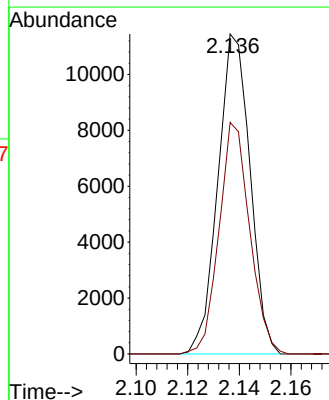
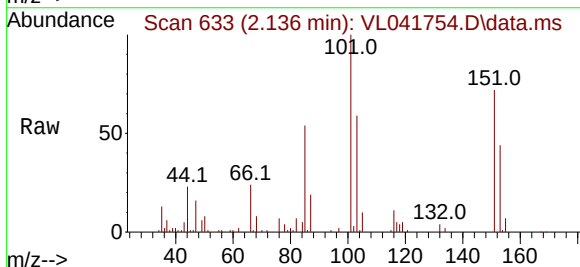
Acq: 16 Dec 2024 14:34

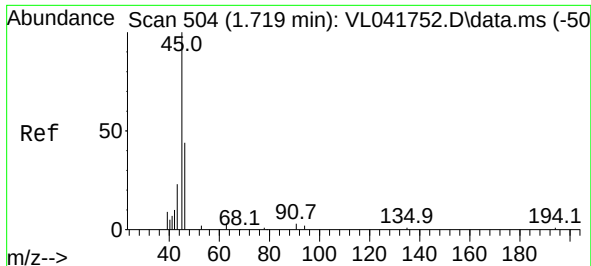
Tgt Ion:101 Resp: 9915

Ion Ratio Lower Upper

101 100

151 69.1 56.8 85.2





#13

Ethanol

Concen: 1.587 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

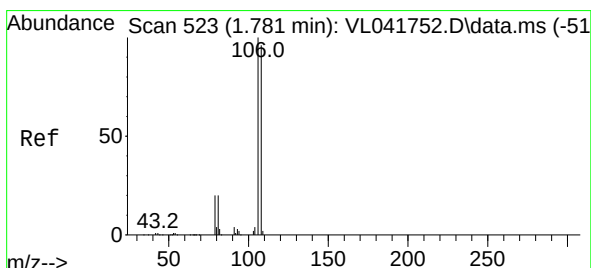
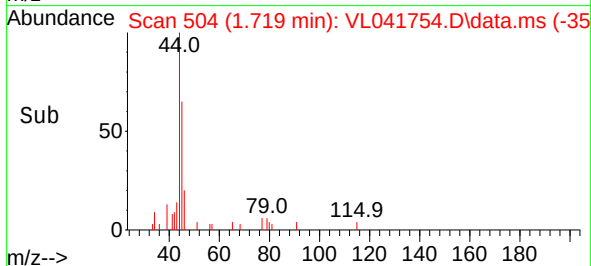
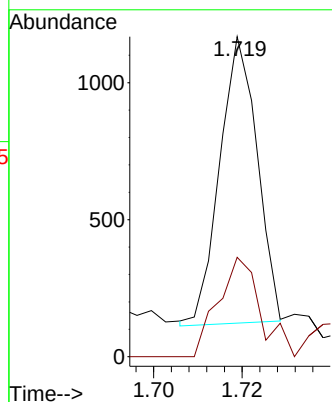
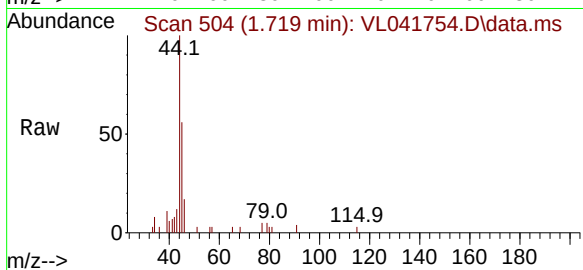
VSTDIC001

Tgt Ion: 45 Resp: 615

Ion Ratio Lower Upper

45 100

46 57.2 16.4 65.8



#14

Bromoethene

Concen: 0.984 ppbv

RT: 1.780 min Scan# 523

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

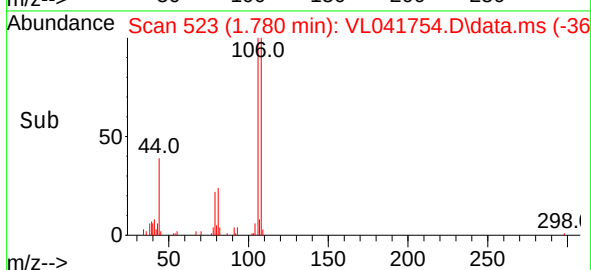
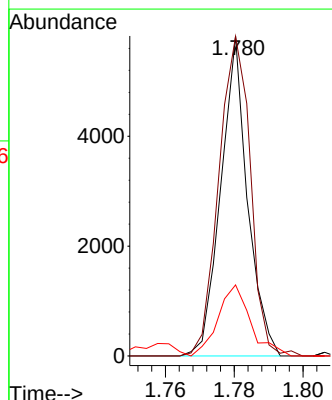
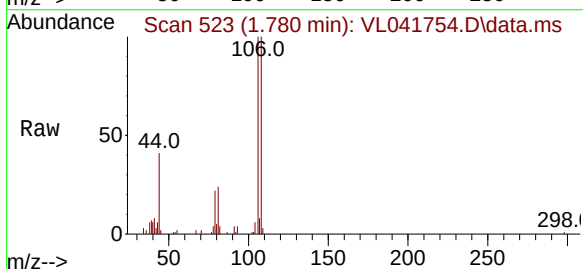
Tgt Ion: 108 Resp: 3148

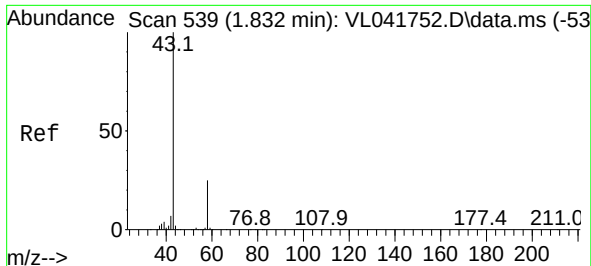
Ion Ratio Lower Upper

108 100

106 117.5 84.1 126.1

79 32.4 17.4 26.0#





#15

Acetone

Concen: 1.174 ppbv

RT: 1.832 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

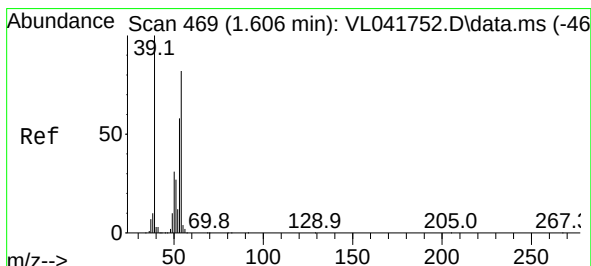
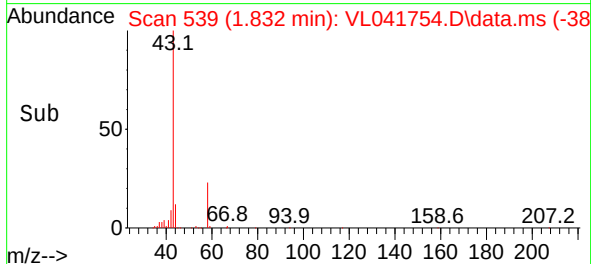
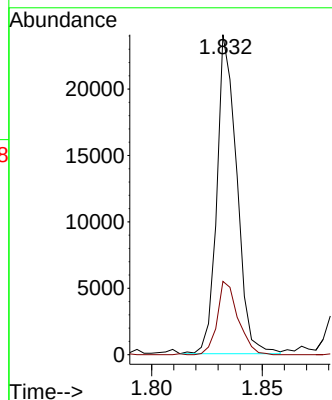
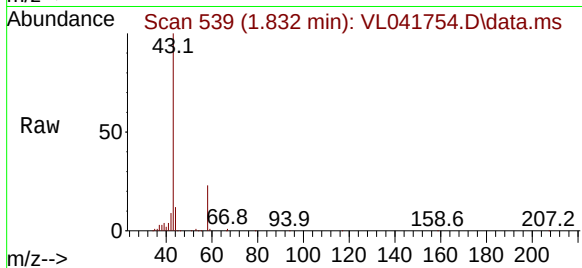
VSTDIC001

Tgt Ion: 43 Resp: 15060

Ion Ratio Lower Upper

43 100

58 24.0 19.7 29.5



#16

1,3-Butadiene

Concen: 1.017 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041754.D

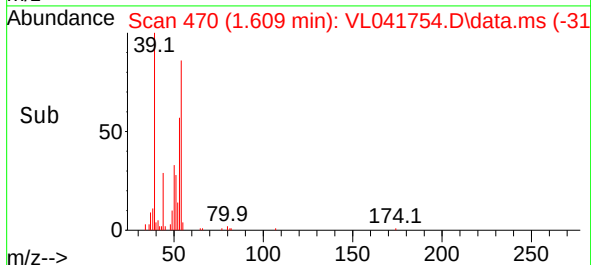
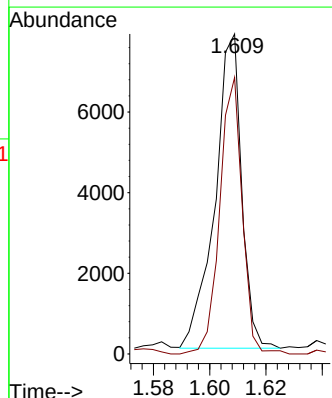
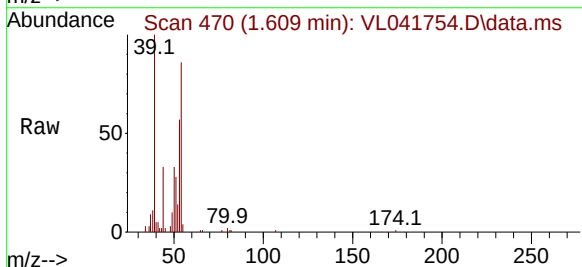
Acq: 16 Dec 2024 14:34

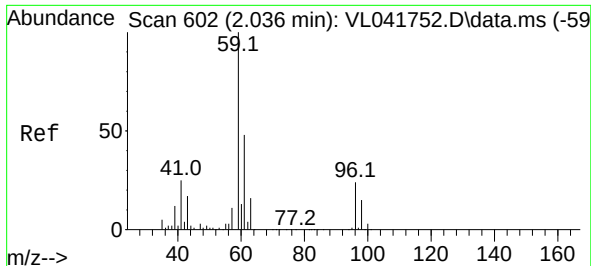
Tgt Ion: 39 Resp: 5137

Ion Ratio Lower Upper

39 100

54 77.0 58.4 87.6





#17

tert-Butyl alcohol

Concen: 1.048 ppbv

RT: 2.039 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_1

ClientSampleId :

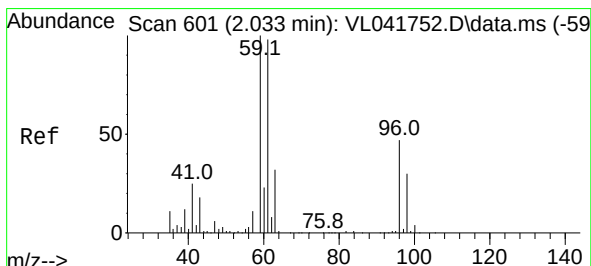
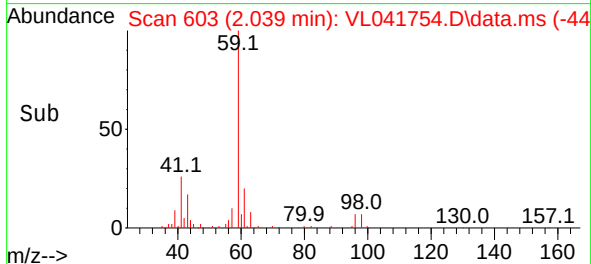
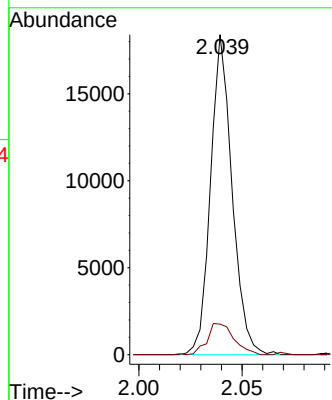
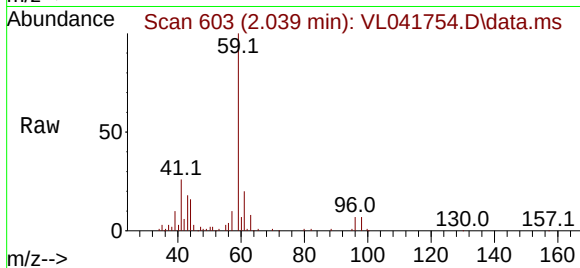
VSTDIC001

Tgt Ion: 59 Resp: 13341

Ion Ratio Lower Upper

59 100

57 12.4 8.6 13.0



#18

1,1-Dichloroethene

Concen: 1.042 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

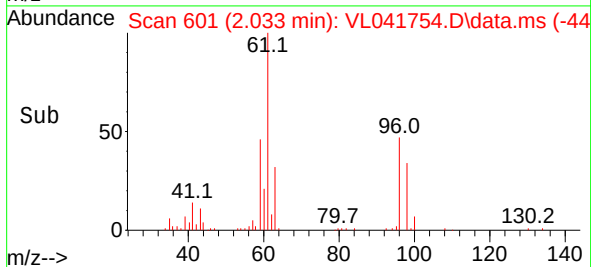
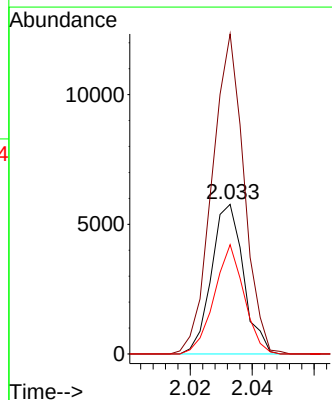
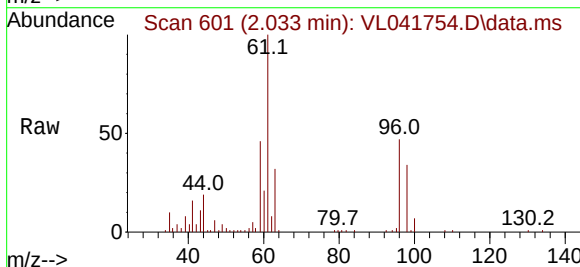
Tgt Ion: 96 Resp: 4139

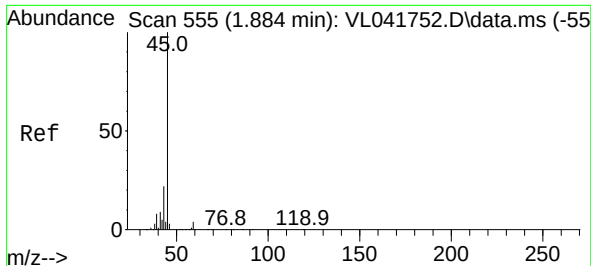
Ion Ratio Lower Upper

96 100

61 212.1 167.7 251.5

98 73.0 51.1 76.7





#19

Isopropyl Alcohol

Concen: 1.131 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

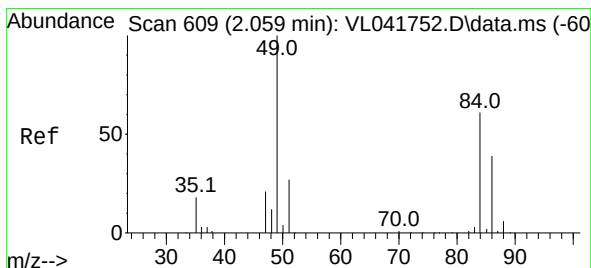
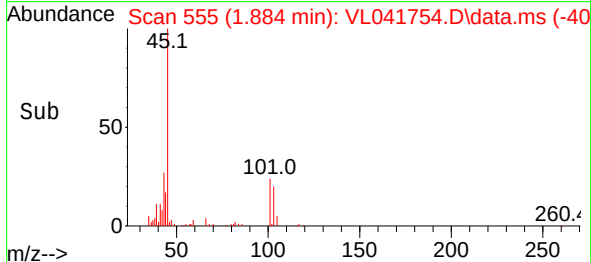
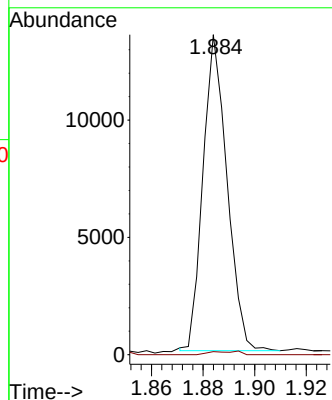
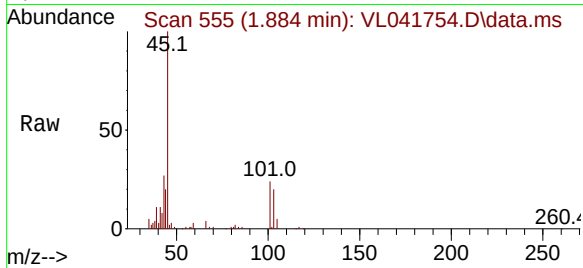
VSTDIC001

Tgt Ion: 45 Resp: 8703

Ion Ratio Lower Upper

45 100

58 41.5 33.3 49.9



#20

Methylene Chloride

Concen: 1.057 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion: 84 Resp: 3868

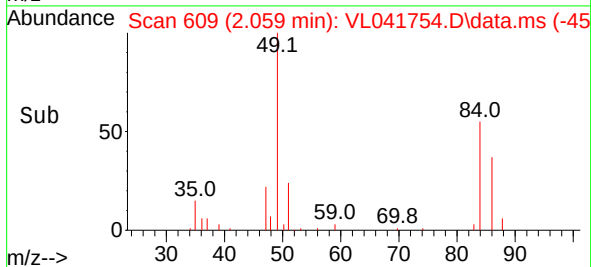
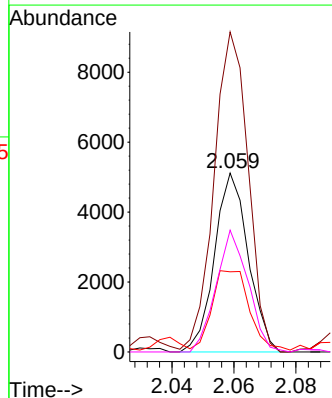
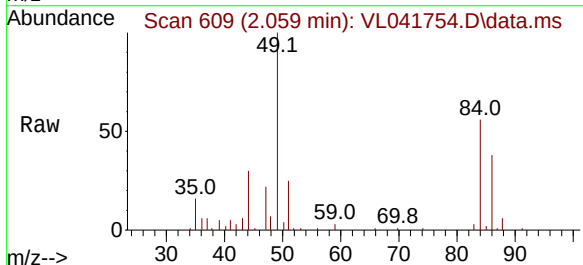
Ion Ratio Lower Upper

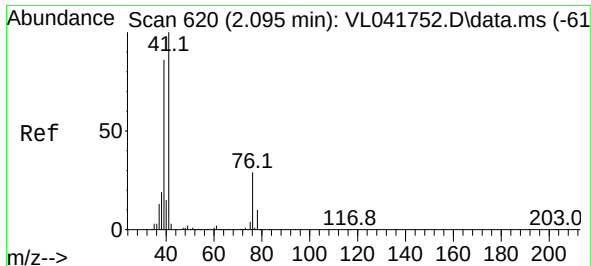
84 100

49 178.8 132.6 198.8

51 41.9 37.6 56.4

86 68.0 51.4 77.0





#21

Allyl Chloride

Concen: 1.067 ppbv

RT: 2.094 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

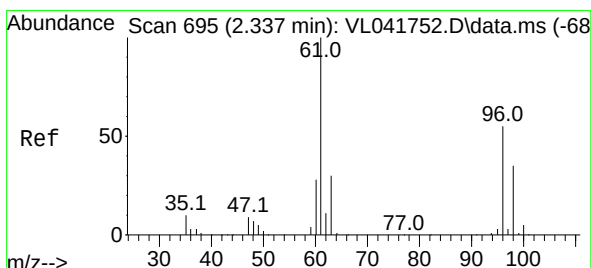
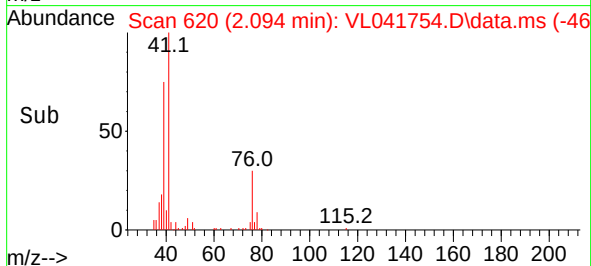
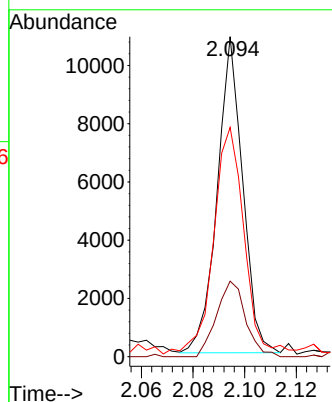
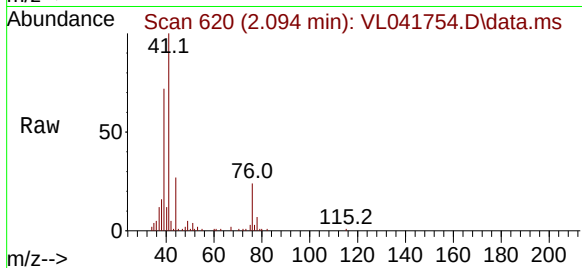
Tgt Ion: 41 Resp: 7425

Ion Ratio Lower Upper

41 100

76 27.2 22.3 33.5

39 84.3 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 1.011 ppbv

RT: 2.337 min Scan# 695

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

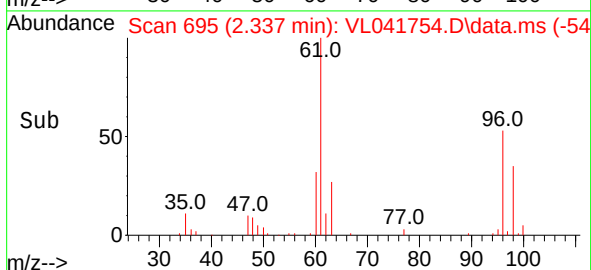
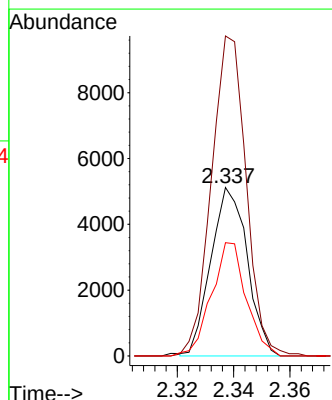
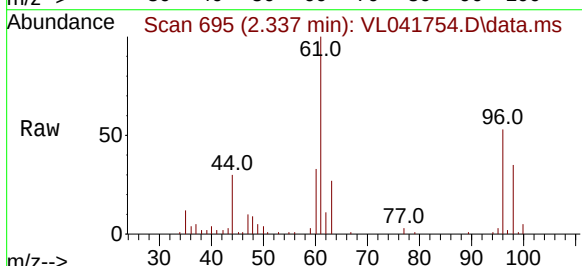
Tgt Ion: 96 Resp: 4599

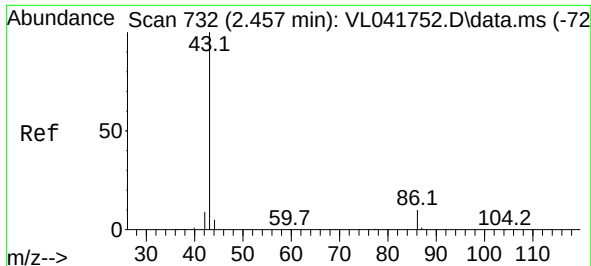
Ion Ratio Lower Upper

96 100

61 188.9 146.3 219.5

98 67.3 50.8 76.2

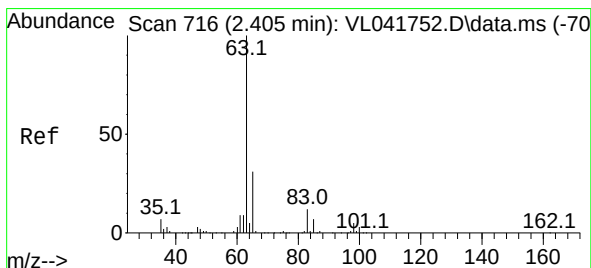
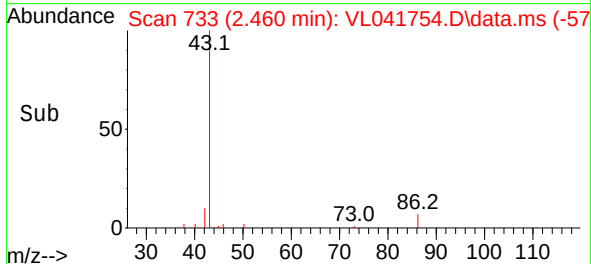
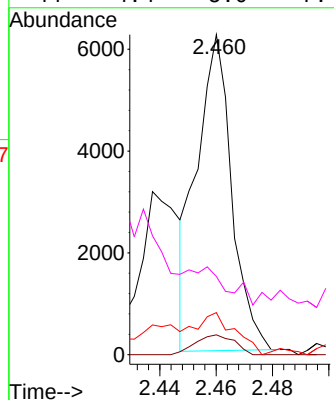
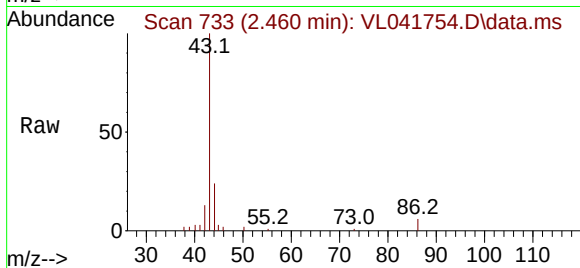




#23
 Vinyl Acetate
 Concen: 0.959 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL041754.D
 Acq: 16 Dec 2024 14:34

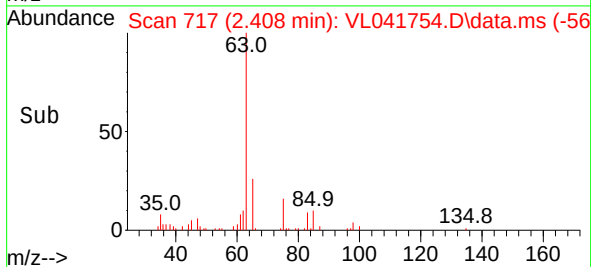
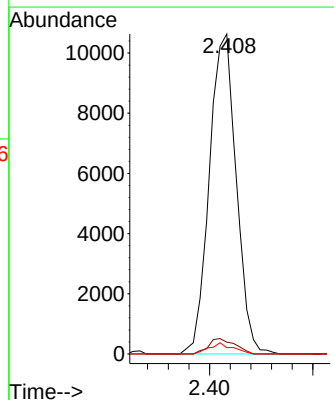
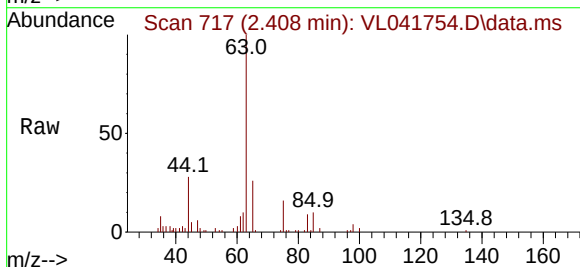
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

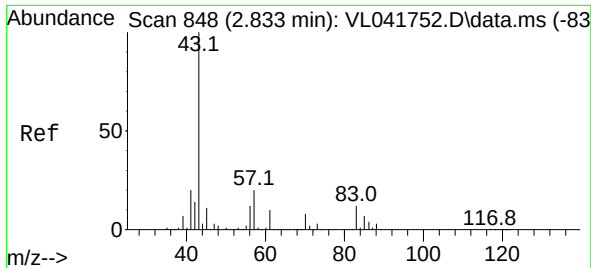
Tgt Ion:	43	Resp:	5345
Ion	Ratio	Lower	Upper
43	100		
86	6.3	6.6	10.0#
42	11.4	8.2	12.2
44	4.4	5.0	7.4#



#24
 1,1-Dichloroethane
 Concen: 1.045 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL041754.D
 Acq: 16 Dec 2024 14:34

Tgt Ion:	63	Resp:	9621
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.3	6.8
100	2.0	1.4	4.2





#25

Ethyl Acetate

Concen: 1.049 ppbv

RT: 2.836 min Scan# 848

Delta R.T. 0.003 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 25141

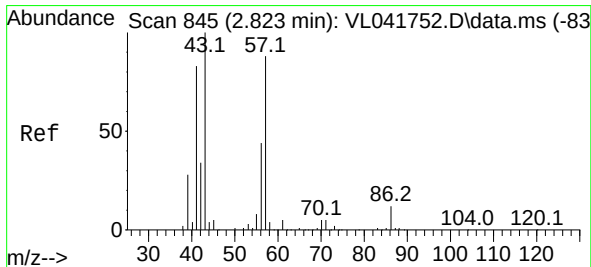
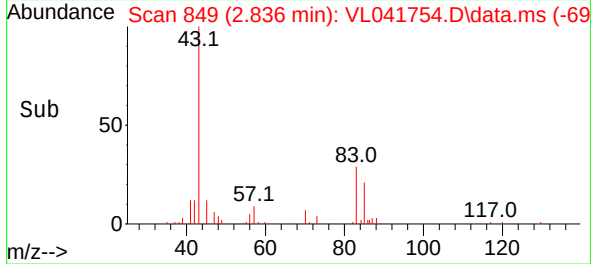
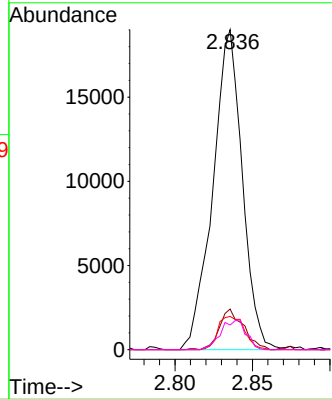
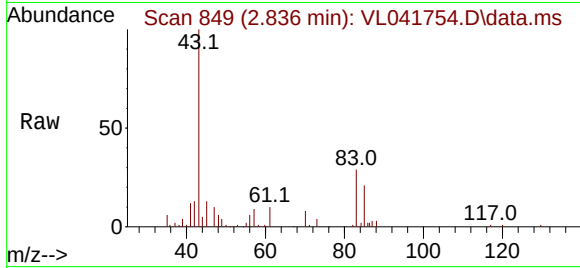
Ion Ratio Lower Upper

43 100

45 10.7 8.1 12.1

61 9.3 7.0 10.6

70 8.0 6.5 9.7



#26

Hexane

Concen: 1.021 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.003 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion: 57 Resp: 9250

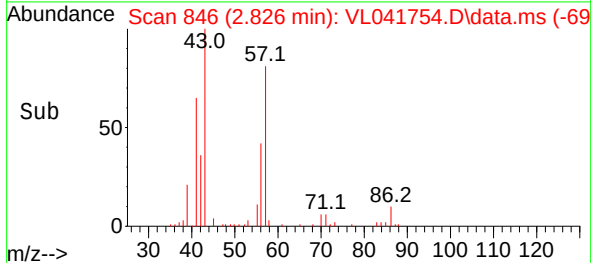
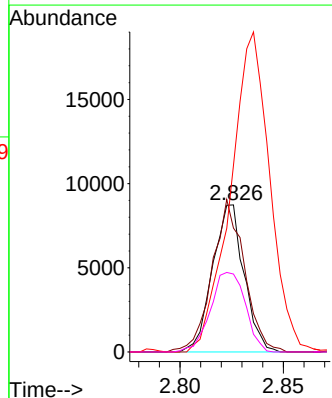
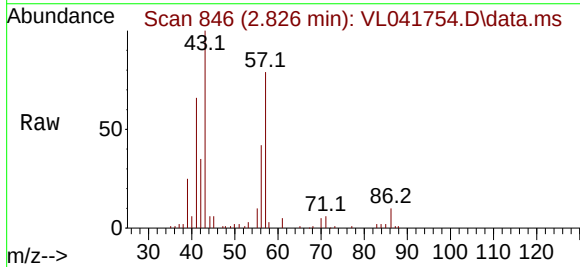
Ion Ratio Lower Upper

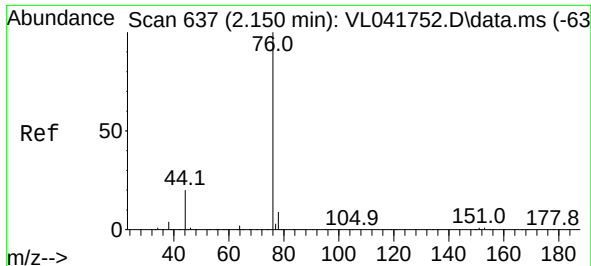
57 100

41 105.9 79.6 119.4

43 274.5 211.0 316.6

56 60.0 42.6 63.8





#27

Carbon Disulfide

Concen: 0.999 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

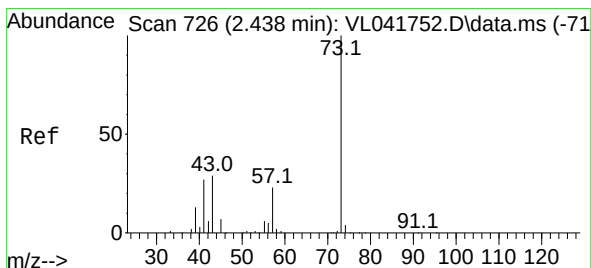
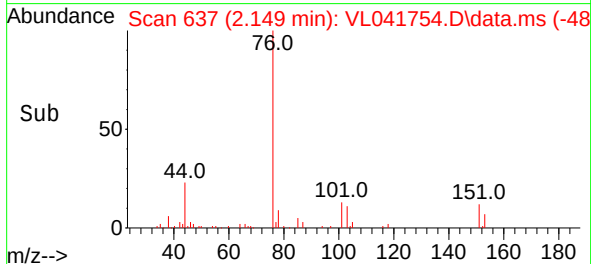
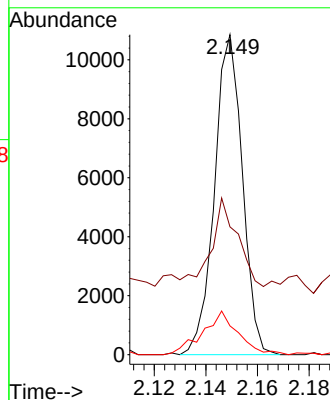
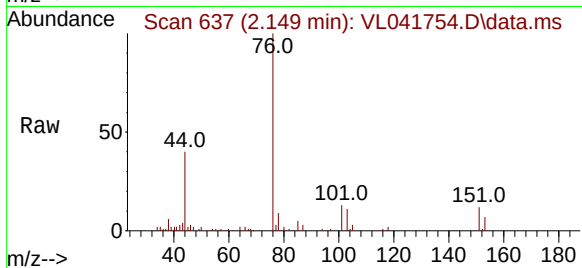
Tgt Ion: 76 Resp: 8152

Ion Ratio Lower Upper

76 100

44 79.9 17.6 26.4#

78 17.6 10.2 15.4#



#28

Methyl tert-Butyl Ether

Concen: 1.162 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.003 min

Lab File: VL041754.D

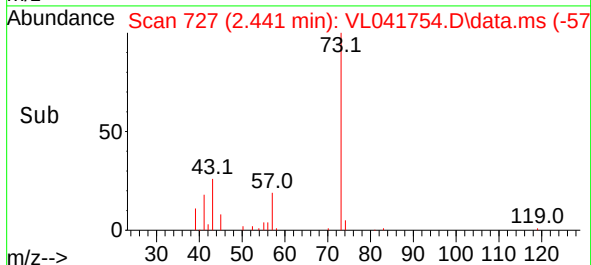
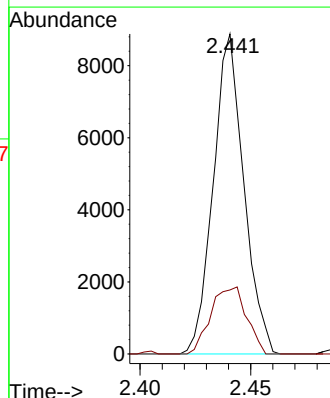
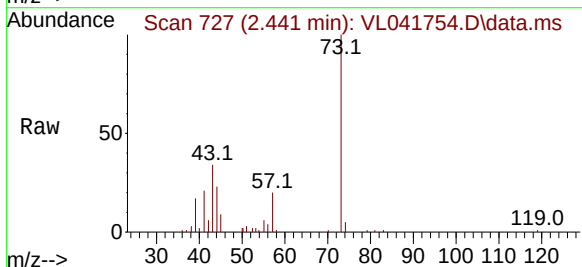
Acq: 16 Dec 2024 14:34

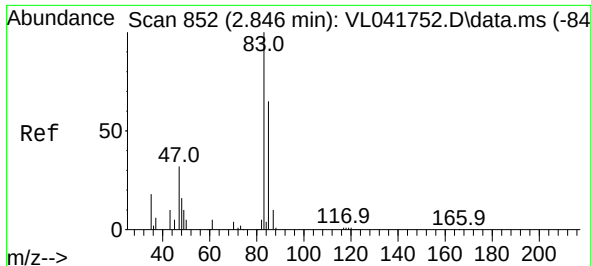
Tgt Ion: 73 Resp: 8539

Ion Ratio Lower Upper

73 100

57 24.7 17.6 26.4





#29

Chloroform

Concen: 1.042 ppbv

RT: 2.845 min Scan# 852

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

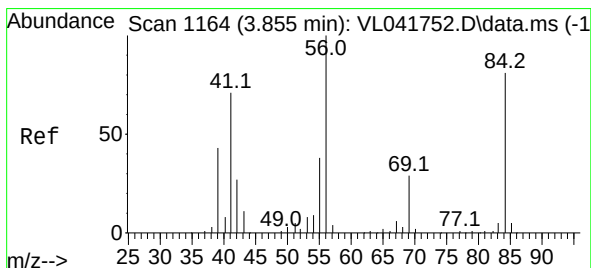
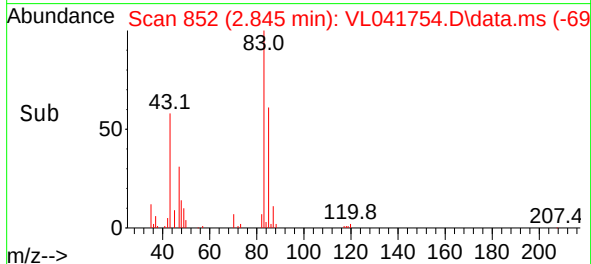
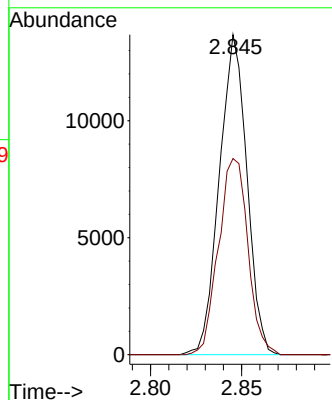
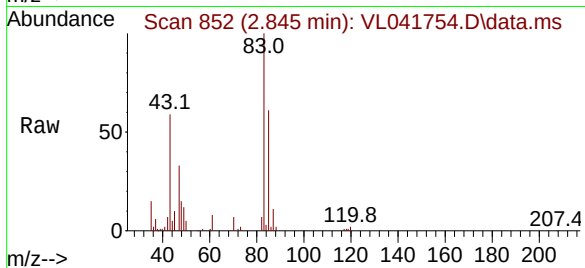
VSTDICC001

Tgt Ion: 83 Resp: 14384

Ion Ratio Lower Upper

83 100

85 61.3 51.8 77.6



#30

Cyclohexane

Concen: 1.015 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.004 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

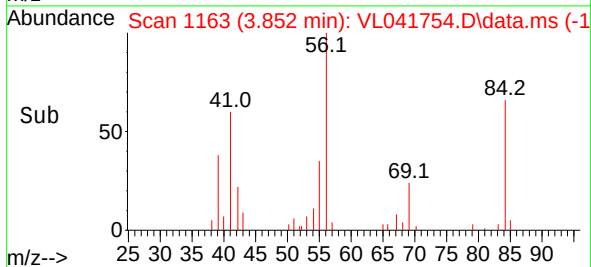
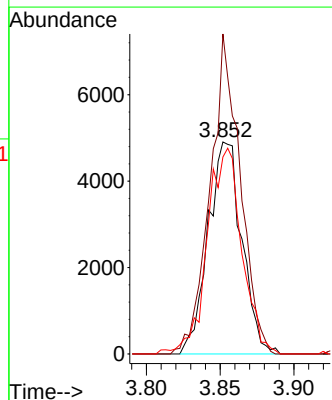
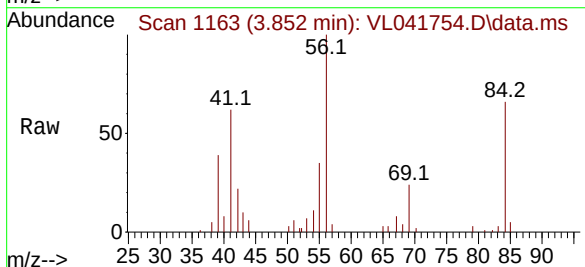
Tgt Ion: 84 Resp: 7824

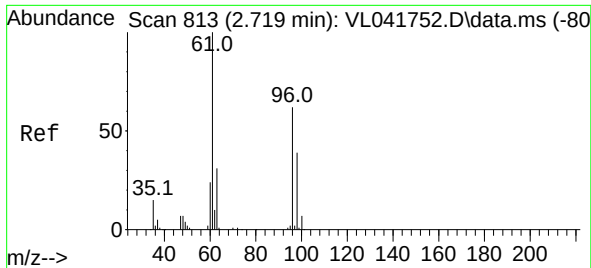
Ion Ratio Lower Upper

84 100

56 134.4 102.3 153.5

41 99.6 74.0 111.0





#31

cis-1,2-Dichloroethene

Concen: 1.070 ppbv

RT: 2.719 min Scan# 813

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

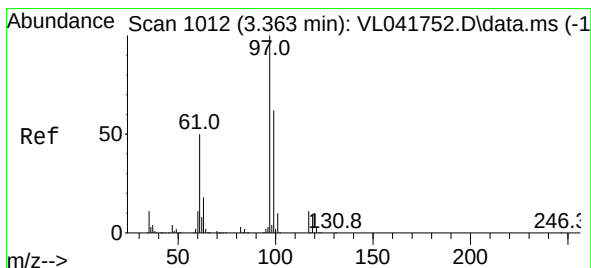
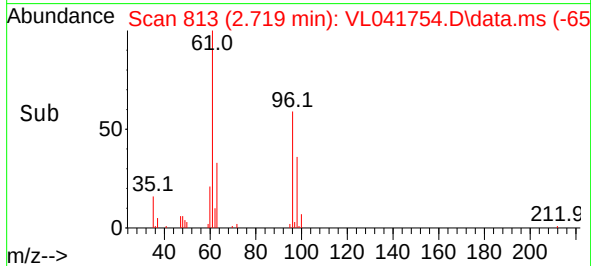
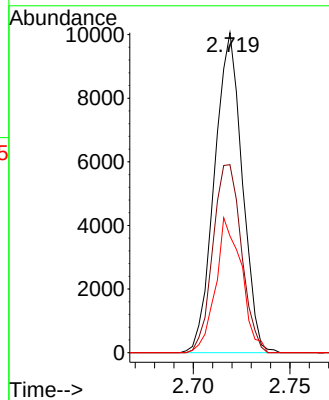
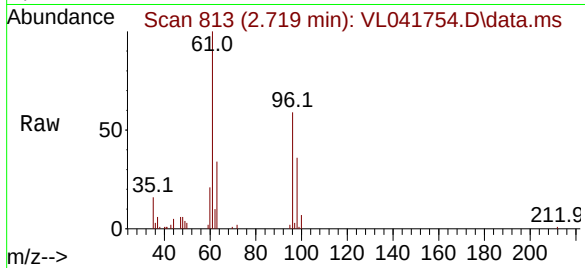
Tgt Ion: 61 Resp: 10013

Ion Ratio Lower Upper

61 100

96 58.7 49.7 74.5

98 36.5 30.8 46.2



#32

1,1,1-Trichloroethane

Concen: 1.049 ppbv

RT: 3.363 min Scan# 1012

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

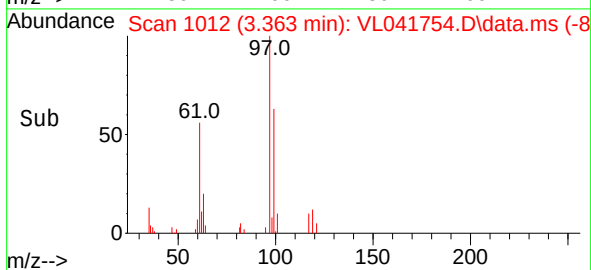
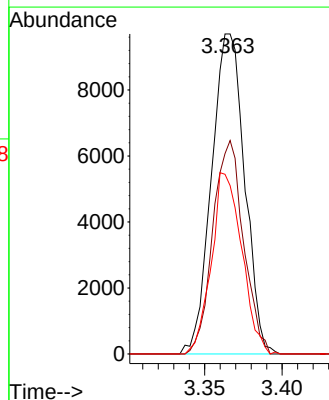
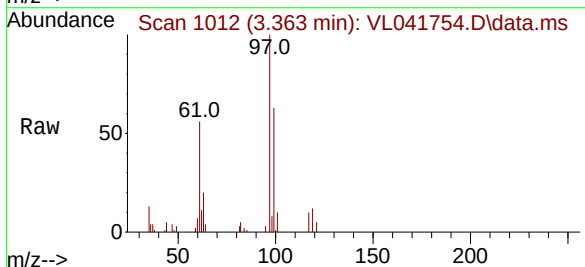
Tgt Ion: 97 Resp: 14415

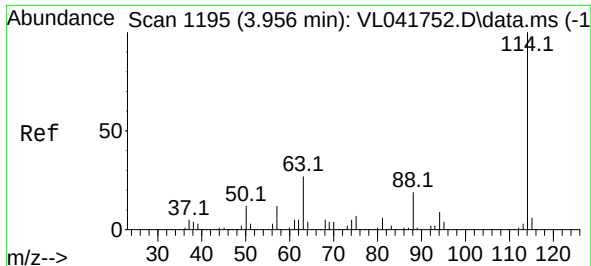
Ion Ratio Lower Upper

97 100

99 61.7 51.0 76.4

61 52.0 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

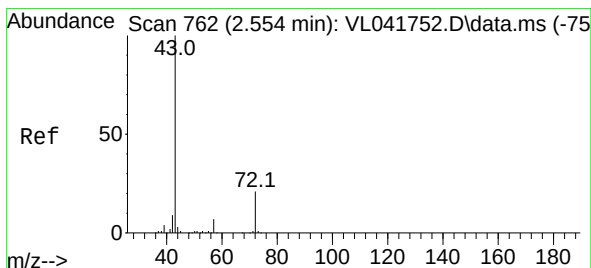
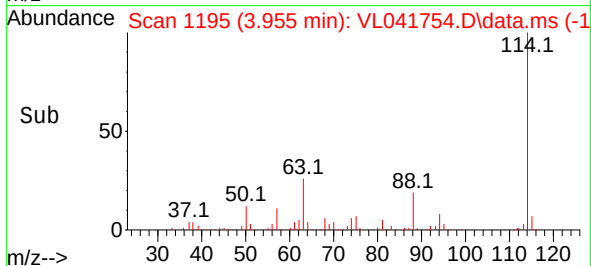
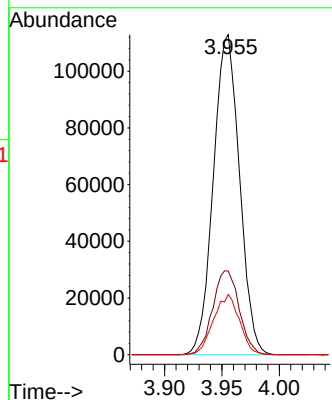
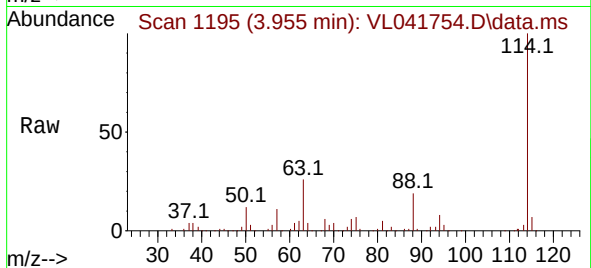
Tgt Ion:114 Resp: 178926

Ion Ratio Lower Upper

114 100

63 26.7 21.8 32.8

88 18.6 14.8 22.2



#34

2-Butanone

Concen: 1.019 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL041754.D

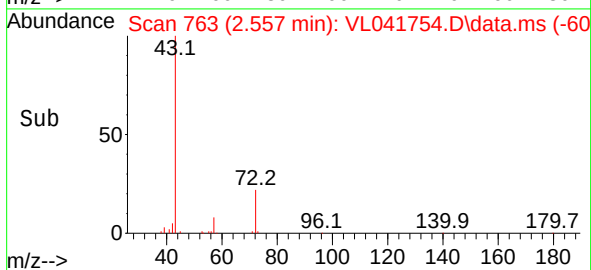
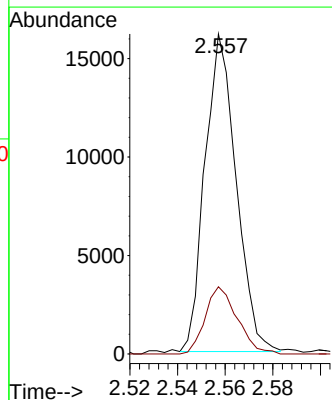
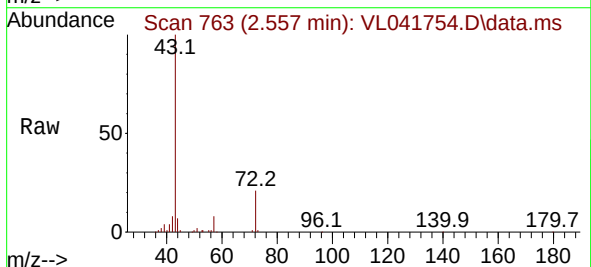
Acq: 16 Dec 2024 14:34

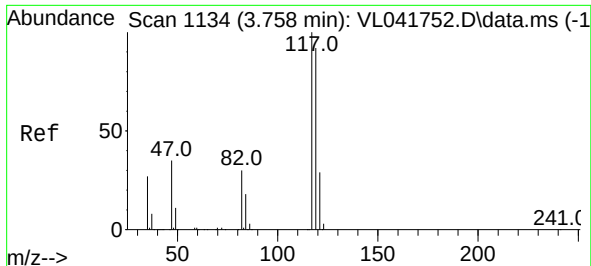
Tgt Ion: 43 Resp: 14673

Ion Ratio Lower Upper

43 100

72 21.7 16.8 25.2

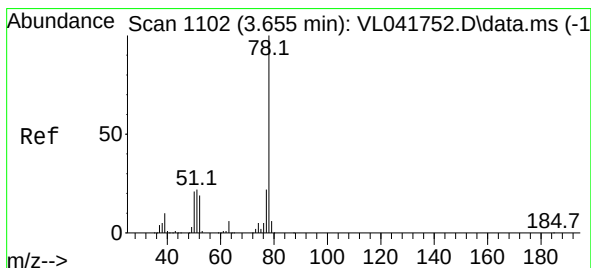
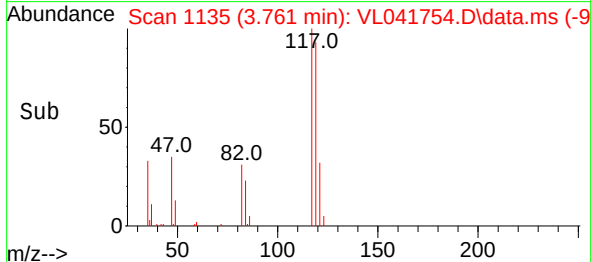
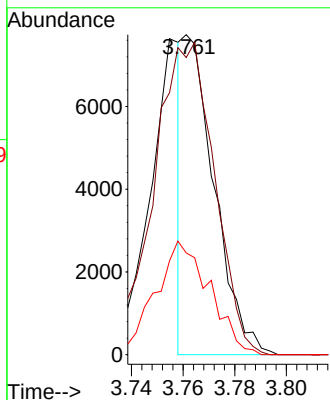
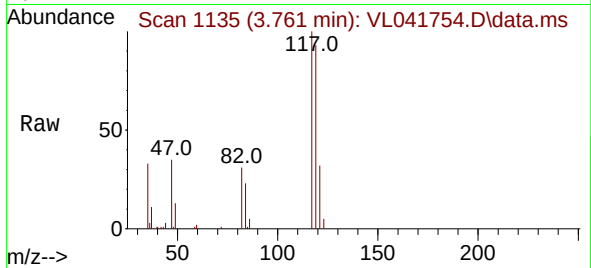




#35
Carbon Tetrachloride
Concen: 0.513 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

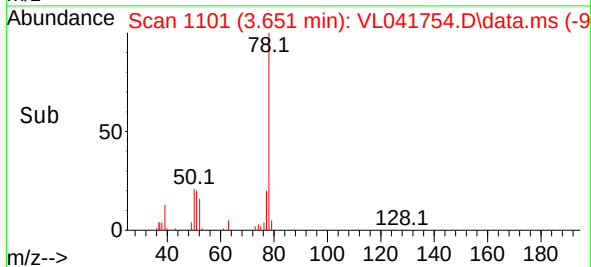
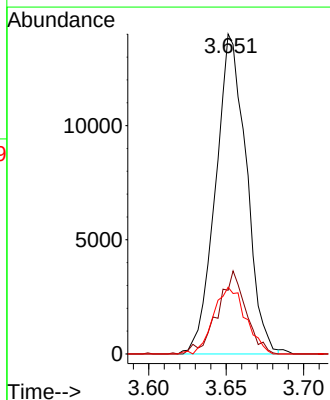
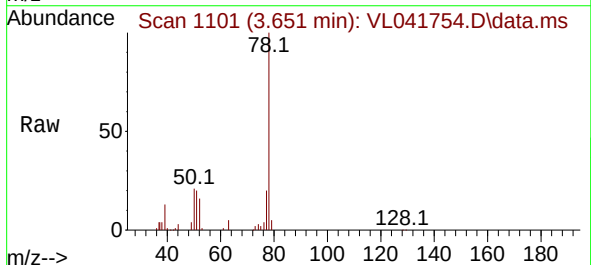
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

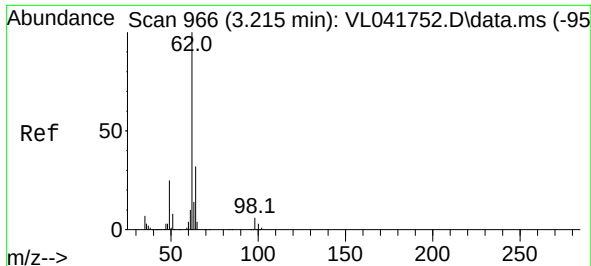
Tgt Ion:117 Resp: 6520
Ion Ratio Lower Upper
117 100
119 92.9 73.7 110.5
121 31.8 23.0 34.4



#36
Benzene
Concen: 1.044 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.004 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

Tgt Ion: 78 Resp: 19331
Ion Ratio Lower Upper
78 100
77 19.9 17.8 26.6
50 20.8 17.2 25.8





#37

1,2-Dichloroethane

Concen: 0.998 ppbv

RT: 3.214 min Scan# 9

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

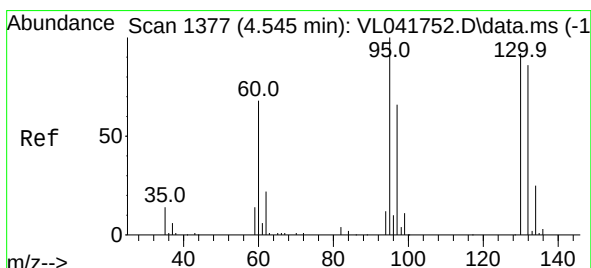
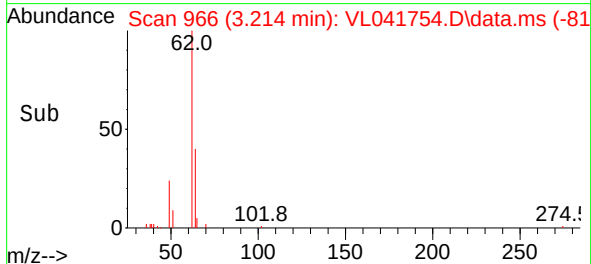
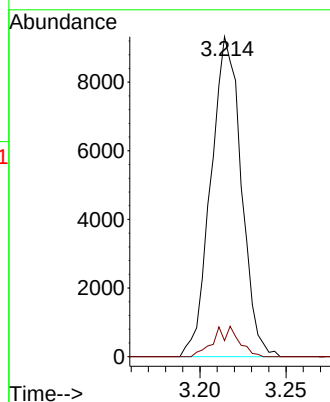
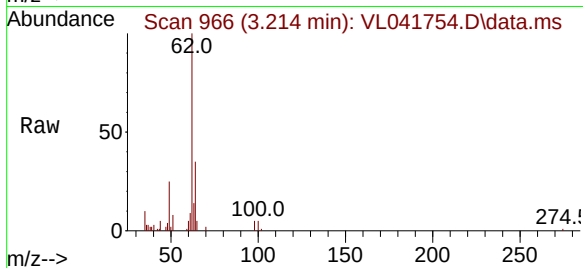
VSTDICC001

Tgt Ion: 62 Resp: 11490

Ion Ratio Lower Upper

62 100

98 7.8 4.7 7.1#



#38

Trichloroethene

Concen: 0.552 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.004 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion:130 Resp: 4300

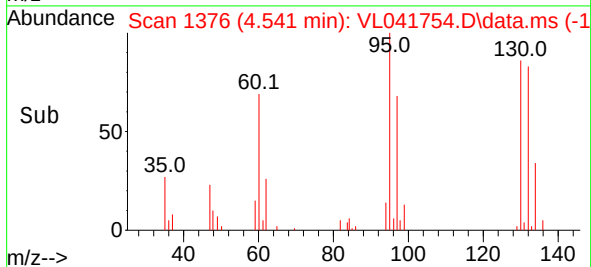
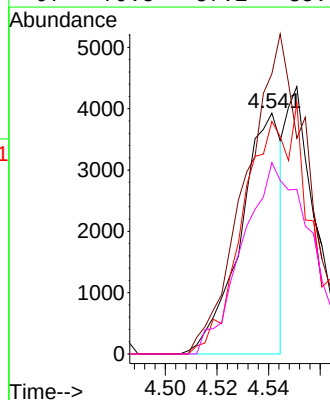
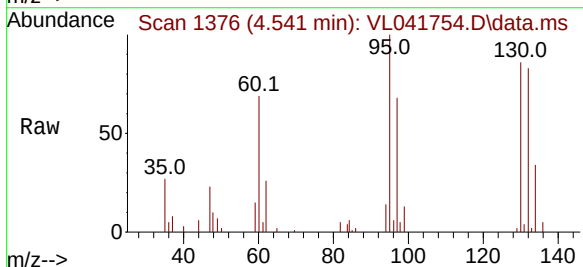
Ion Ratio Lower Upper

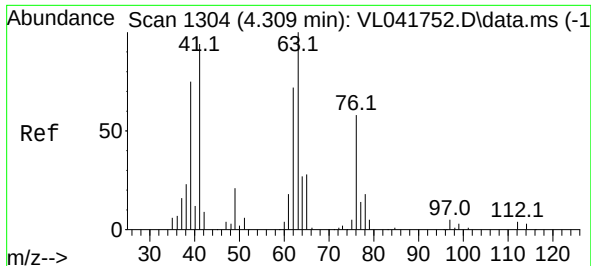
130 100

95 116.3 87.0 130.6

132 96.6 75.0 112.6

97 79.5 57.2 85.8





#39

1,2-Dichloropropane

Concen: 1.056 ppbv

RT: 4.311 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

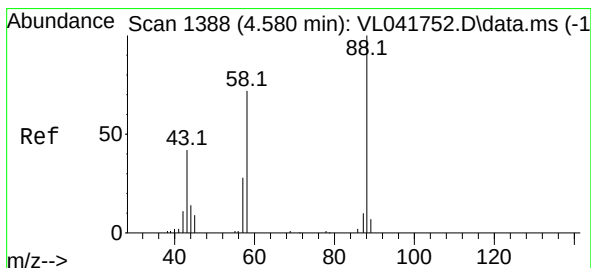
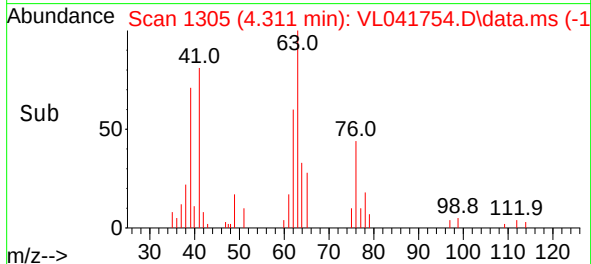
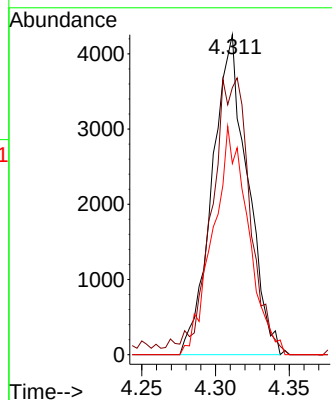
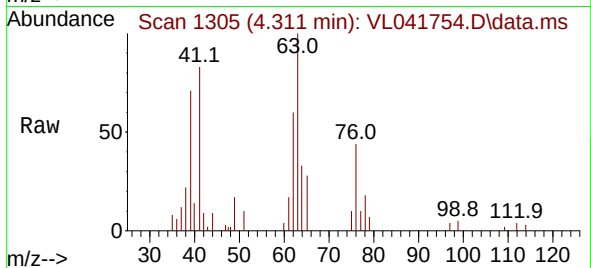
Tgt Ion: 63 Resp: 7068

Ion Ratio Lower Upper

63 100

41 80.8 75.3 112.9

62 59.8 57.3 85.9



#40

1,4-Dioxane

Concen: 0.991 ppbv

RT: 4.596 min Scan# 1393

Delta R.T. 0.016 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion: 88 Resp: 3241

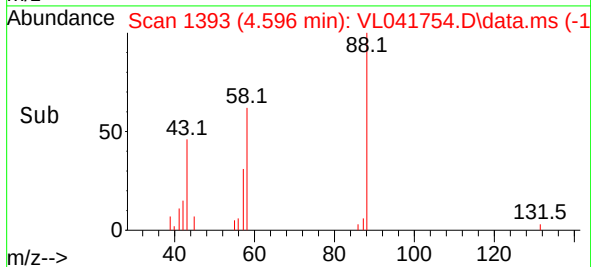
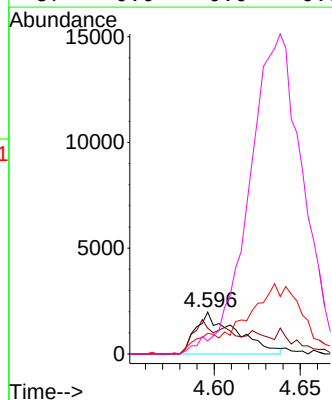
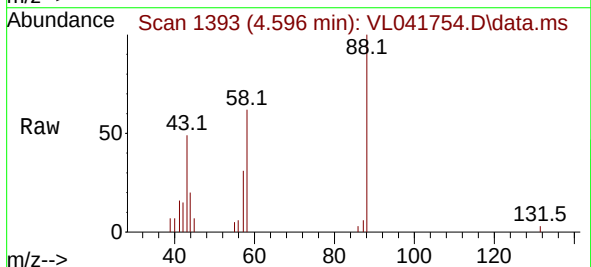
Ion Ratio Lower Upper

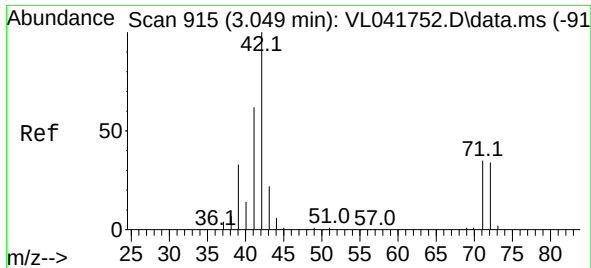
88 100

58 127.2 61.0 91.6#

43 0.0 29.4 44.0#

57 0.0 0.0 0.0

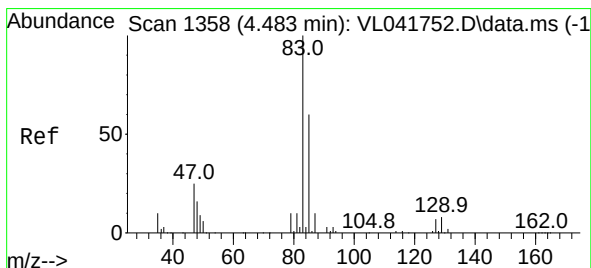
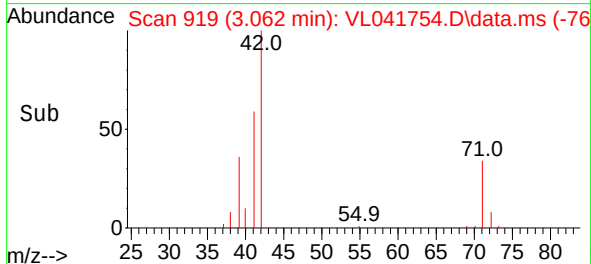
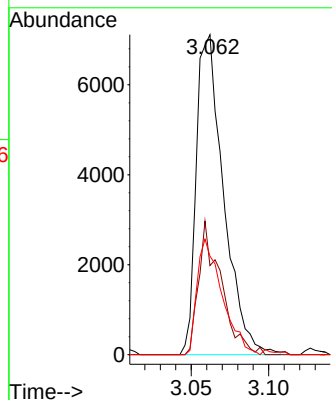
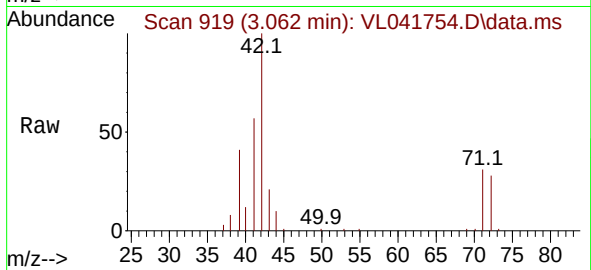




#41
Tetrahydrofuran
Concen: 1.082 ppbv
RT: 3.062 min Scan# 915
Delta R.T. 0.013 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

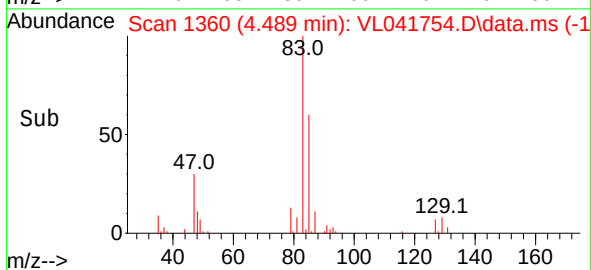
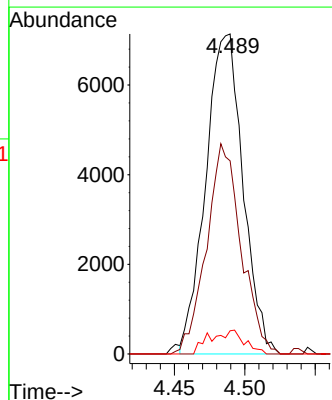
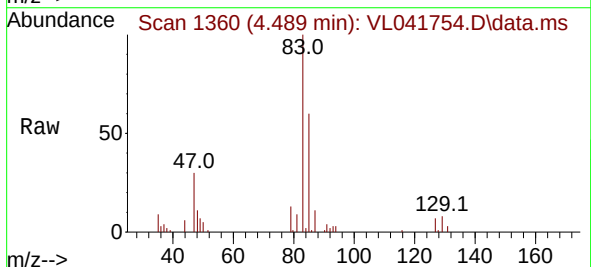
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

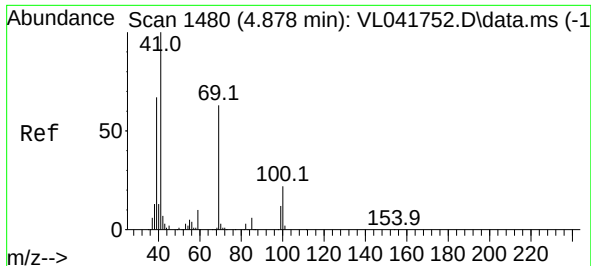
Tgt Ion:	42	Resp:	8727
Ion	Ratio	Lower	Upper
42	100		
72	34.4	29.1	43.7
71	34.0	28.4	42.6



#42
Bromodichloromethane
Concen: 0.993 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

Tgt Ion:	83	Resp:	13154
Ion	Ratio	Lower	Upper
83	100		
85	60.4	48.0	72.0
127	7.2	5.8	8.8





#43

Methyl Methacrylate

Concen: 0.670 ppbv

RT: 4.875 min Scan# 1479

Delta R.T. -0.004 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC001

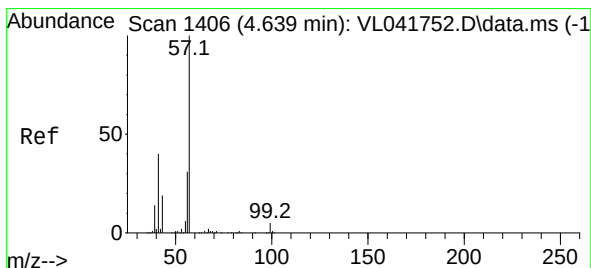
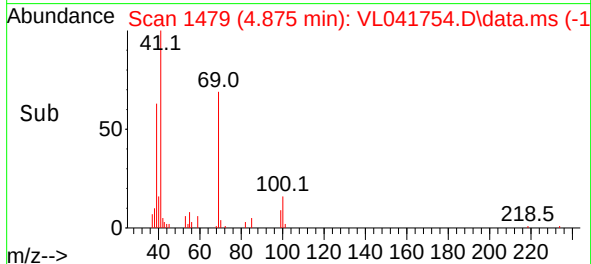
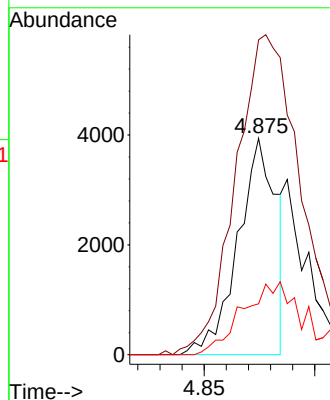
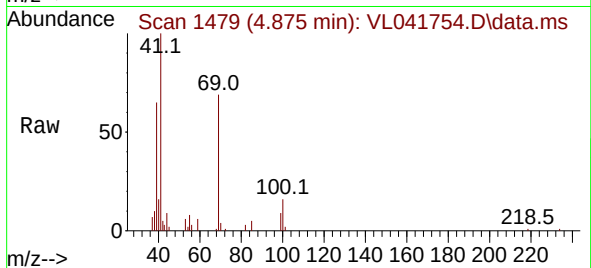
Tgt Ion: 69 Resp: 4727

Ion Ratio Lower Upper

69 100

41 252.5 130.3 195.5#

100 0.0 28.3 42.5#



#44

2,2,4-Trimethylpentane

Concen: 1.024 ppbv

RT: 4.638 min Scan# 1406

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

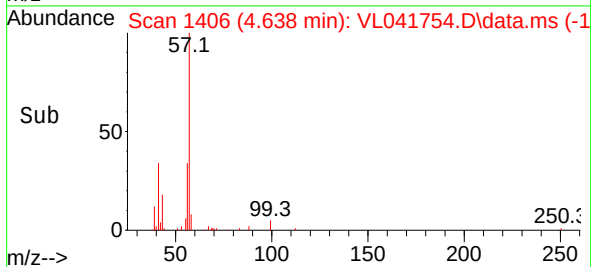
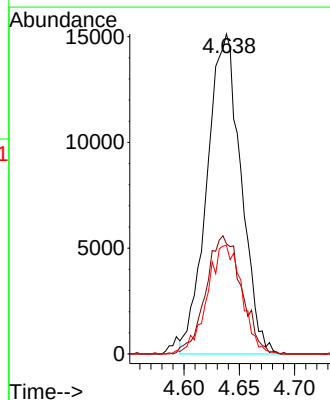
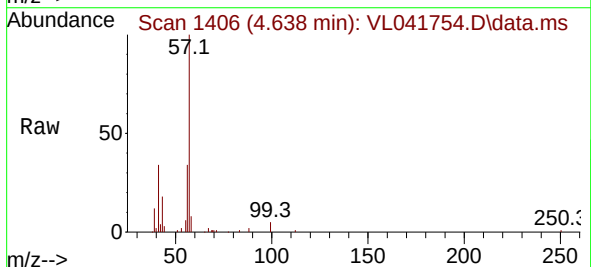
Tgt Ion: 57 Resp: 32361

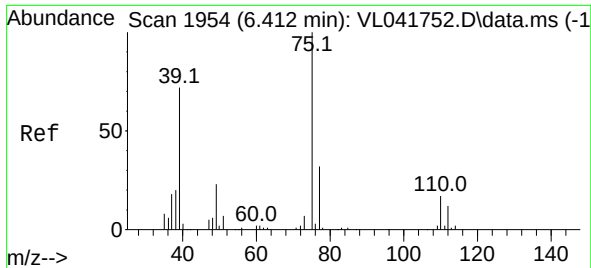
Ion Ratio Lower Upper

57 100

41 38.9 30.7 46.1

56 34.5 25.4 38.0

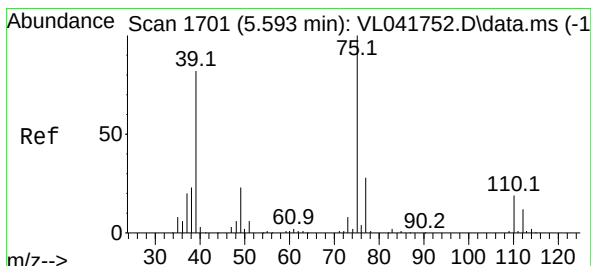
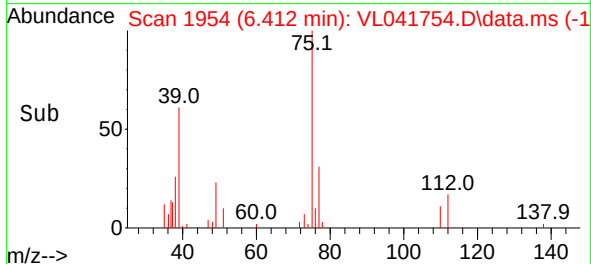
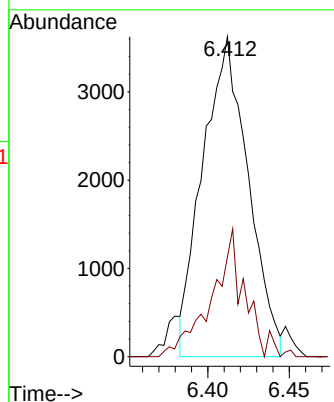
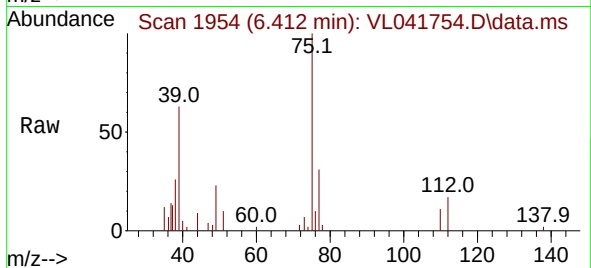




#45
 t-1,3-Dichloropropene
 Concen: 0.963 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. -0.000 min
 Lab File: VL041754.D
 Acq: 16 Dec 2024 14:34

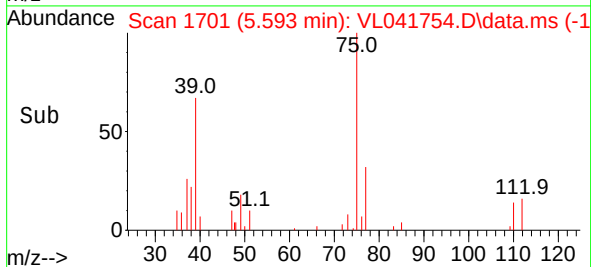
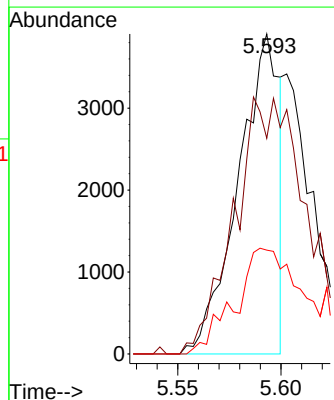
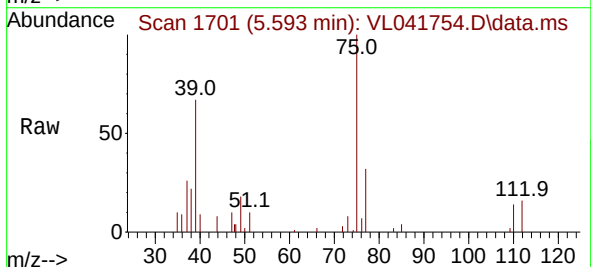
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

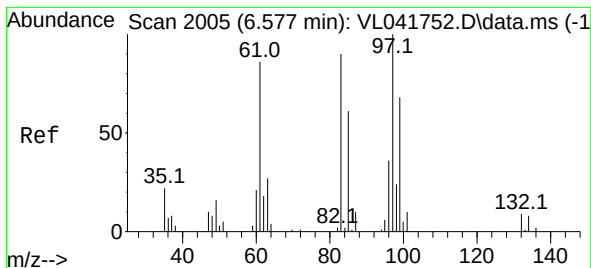
Tgt Ion: 75 Resp: 7027
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.9 38.9



#46
 cis-1,3-Dichloropropene
 Concen: 0.583 ppbv
 RT: 5.593 min Scan# 1701
 Delta R.T. -0.000 min
 Lab File: VL041754.D
 Acq: 16 Dec 2024 14:34

Tgt Ion: 75 Resp: 5402
 Ion Ratio Lower Upper
 75 100
 39 67.4 65.2 97.8
 77 32.5 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 0.385 ppbv

RT: 6.571 min Scan# 2005

Delta R.T. -0.007 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 2694

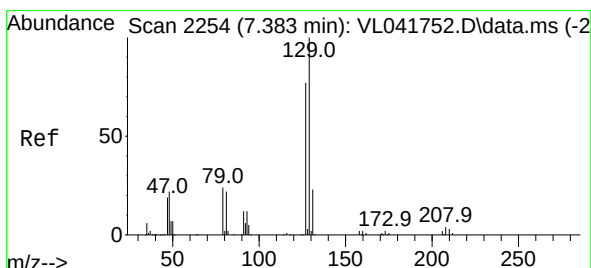
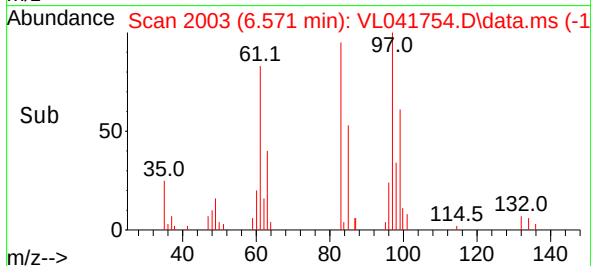
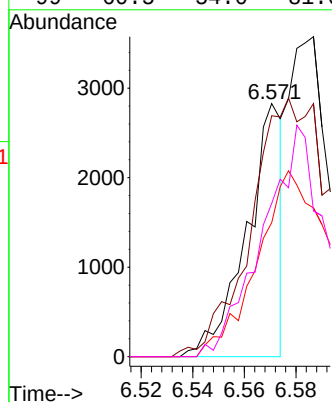
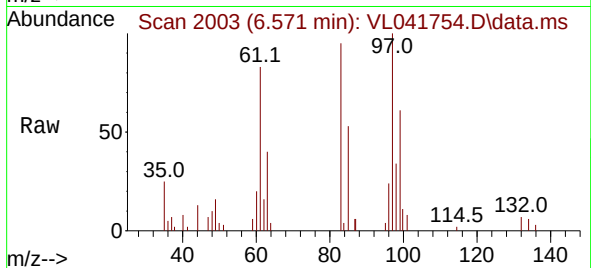
Ion Ratio Lower Upper

97 100

83 93.0 72.3 108.5

85 53.0 48.5 72.7

99 60.5 54.0 81.0



#48

Dibromochloromethane

Concen: 0.924 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. -0.000 min

Lab File: VL041754.D

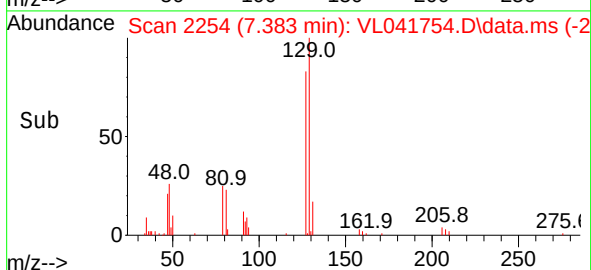
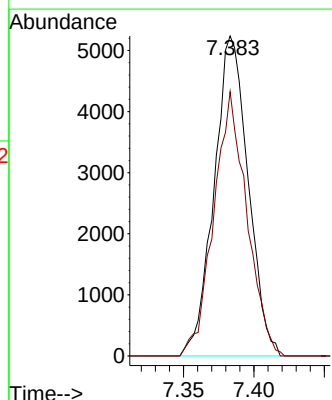
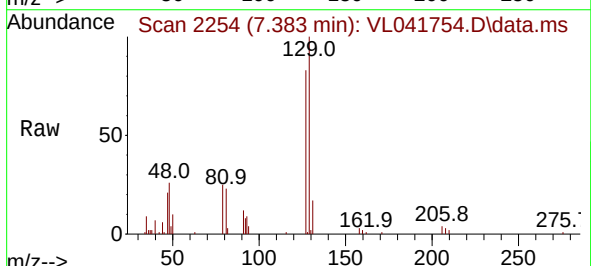
Acq: 16 Dec 2024 14:34

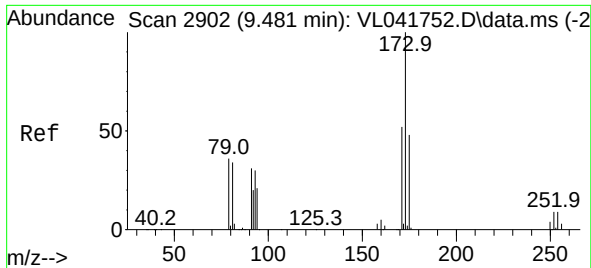
Tgt Ion: 129 Resp: 8817

Ion Ratio Lower Upper

129 100

127 80.2 38.8 116.3





#49

Bromoform

Concen: 0.905 ppbv

RT: 9.480 min Scan# 2902

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

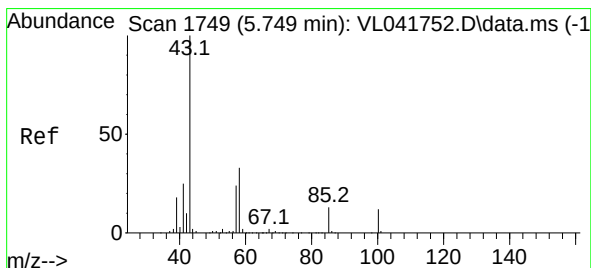
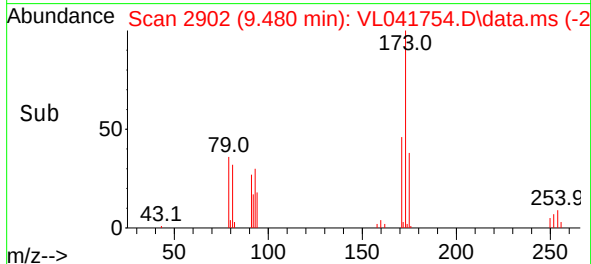
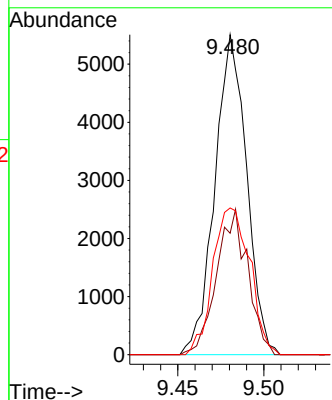
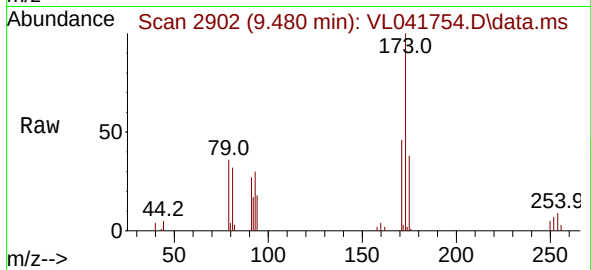
Tgt Ion:173 Resp: 7073

Ion Ratio Lower Upper

173 100

175 44.7 38.2 57.2

171 53.3 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 1.031 ppbv

RT: 5.761 min Scan# 1753

Delta R.T. 0.013 min

Lab File: VL041754.D

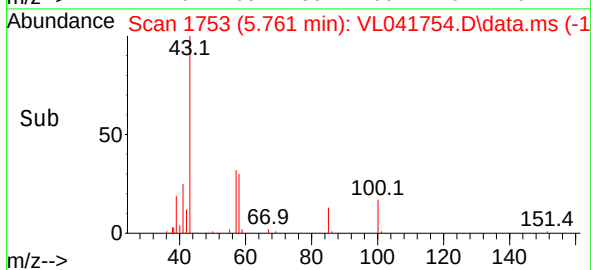
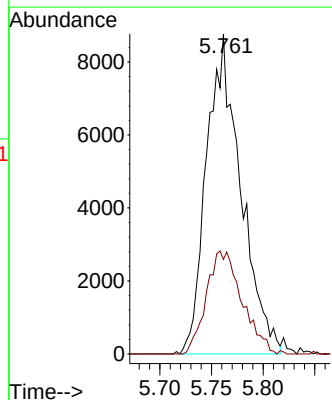
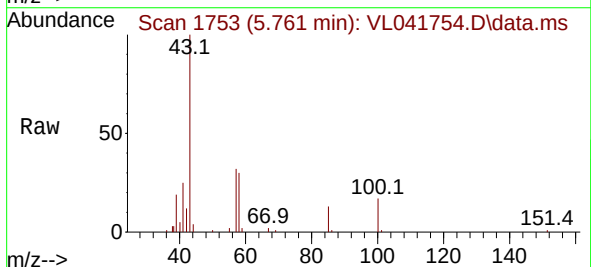
Acq: 16 Dec 2024 14:34

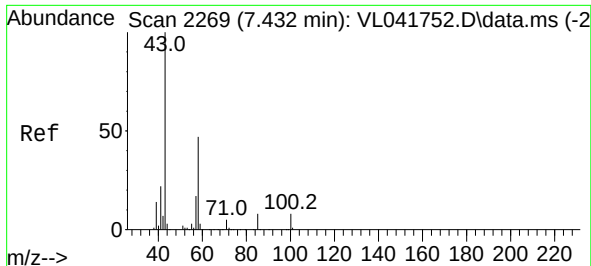
Tgt Ion: 43 Resp: 20212

Ion Ratio Lower Upper

43 100

58 33.7 26.8 40.2

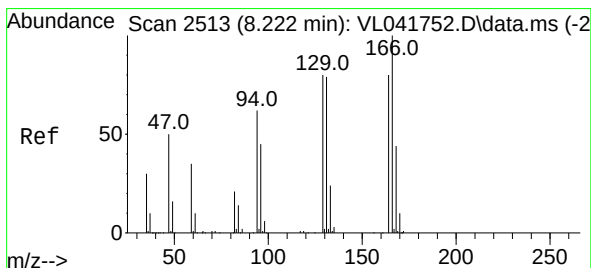
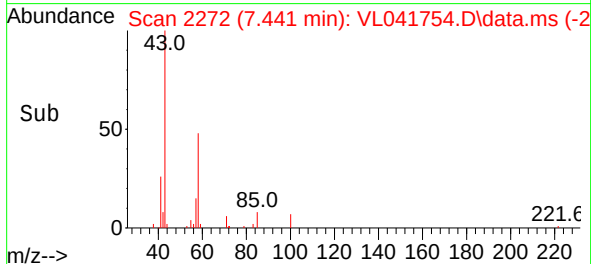
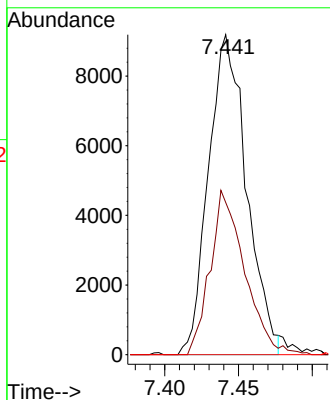
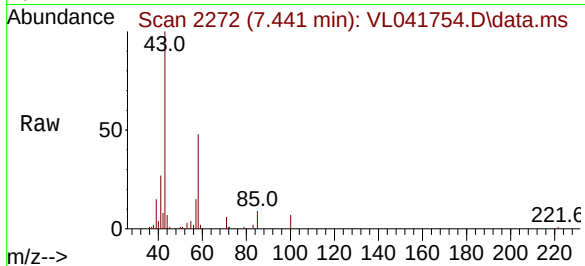




#51
 2-Hexanone
 Concen: 1.040 ppbv
 RT: 7.441 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: VL041754.D
 Acq: 16 Dec 2024 14:34

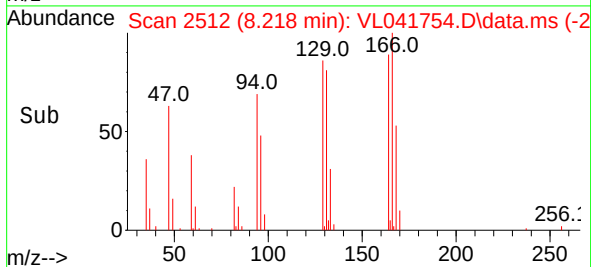
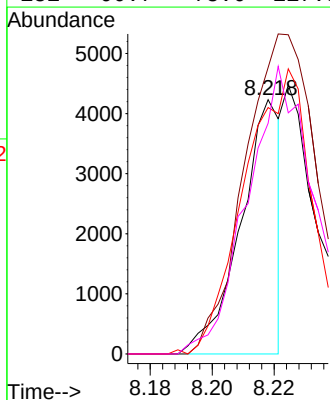
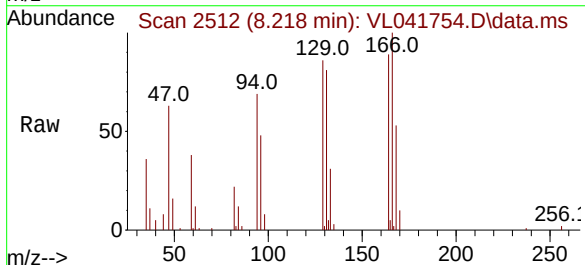
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

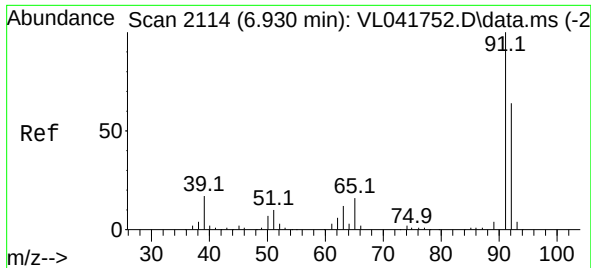
Tgt Ion: 43 Resp: 16514
 Ion Ratio Lower Upper
 43 100
 58 46.5 36.6 55.0
 98 0.2 0.1 0.1#



#52
 Tetrachloroethene
 Concen: 0.547 ppbv
 RT: 8.218 min Scan# 2512
 Delta R.T. -0.004 min
 Lab File: VL041754.D
 Acq: 16 Dec 2024 14:34

Tgt Ion: 164 Resp: 3765
 Ion Ratio Lower Upper
 164 100
 166 112.6 99.8 149.6
 129 95.3 79.6 119.4
 131 90.7 78.6 117.8





#53

Toluene

Concen: 1.029 ppbv

RT: 6.930 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

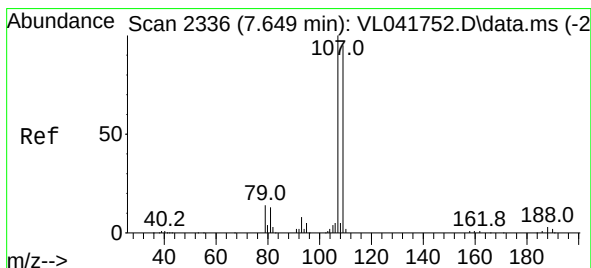
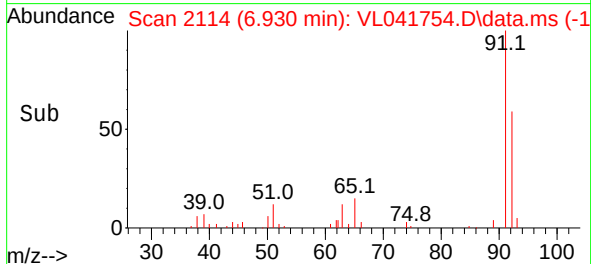
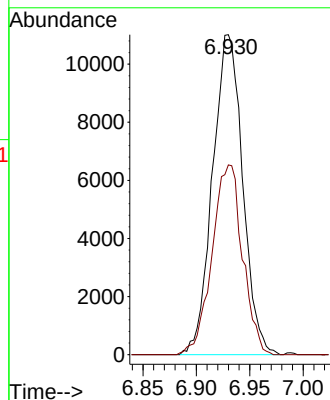
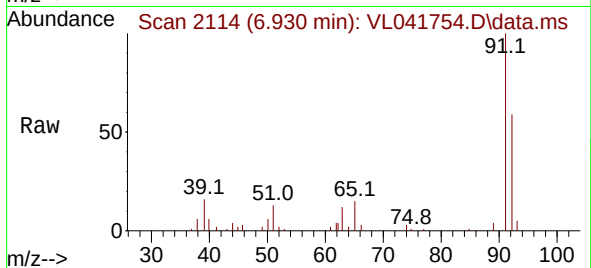
VSTDIC001

Tgt Ion: 91 Resp: 21594

Ion Ratio Lower Upper

91 100

92 60.0 47.9 71.9



#54

1,2-Dibromoethane

Concen: 1.013 ppbv

RT: 7.648 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VL041754.D

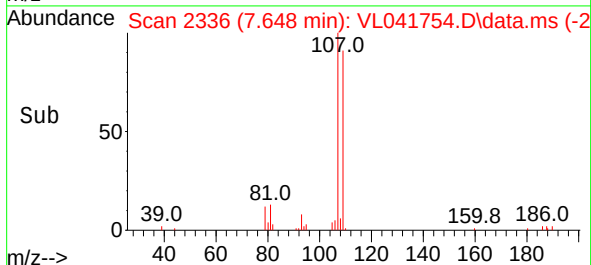
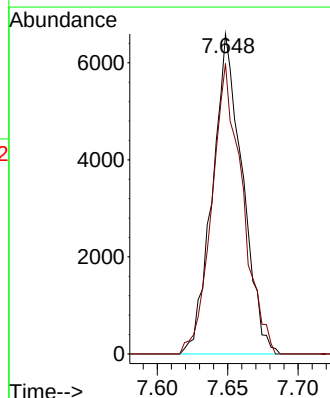
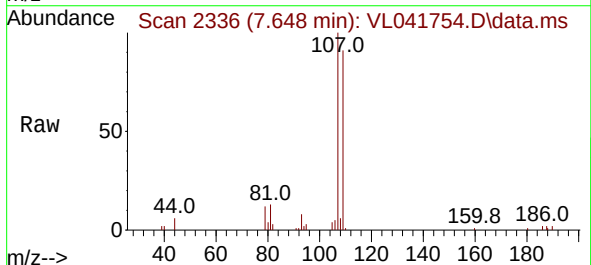
Acq: 16 Dec 2024 14:34

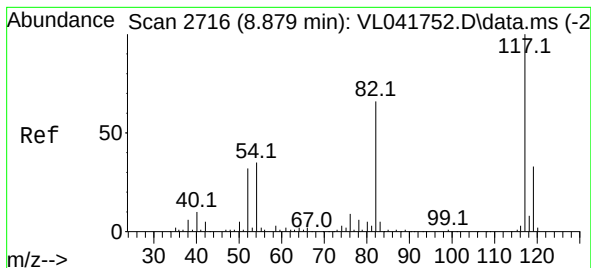
Tgt Ion: 107 Resp: 9758

Ion Ratio Lower Upper

107 100

109 90.8 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

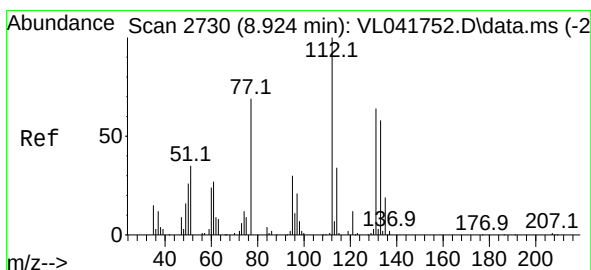
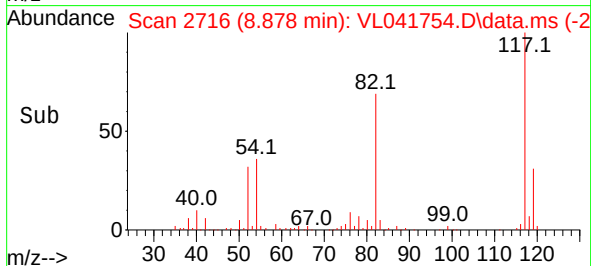
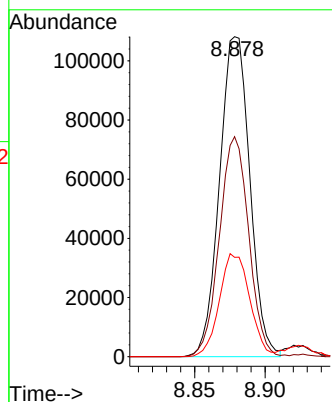
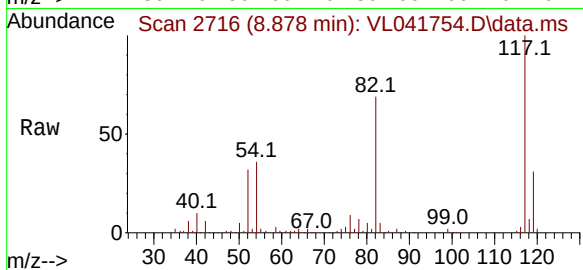
Tgt Ion:117 Resp: 162267

Ion Ratio Lower Upper

117 100

82 66.9 53.8 80.8

119 32.5 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 1.005 ppbv

RT: 8.924 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

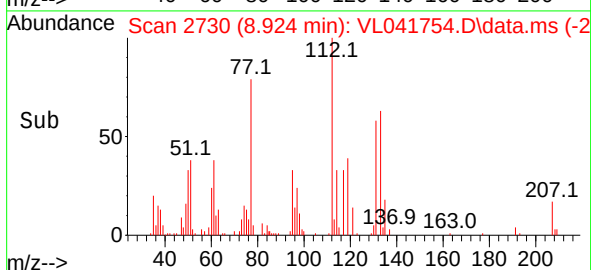
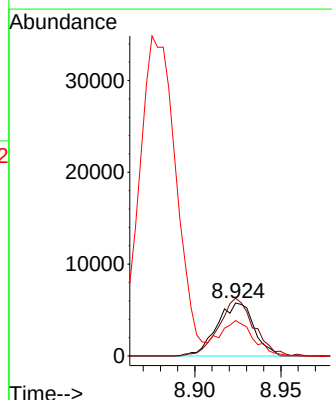
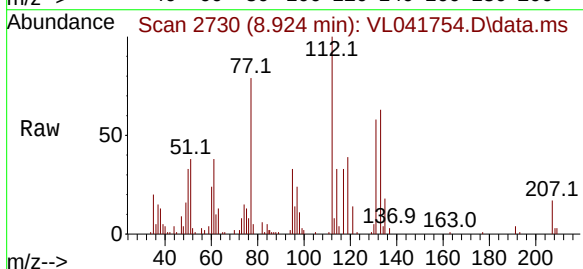
Tgt Ion:131 Resp: 8643

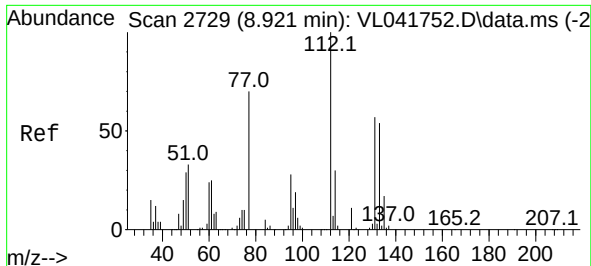
Ion Ratio Lower Upper

131 100

133 103.1 76.8 115.2

119 55.4 49.0 73.6

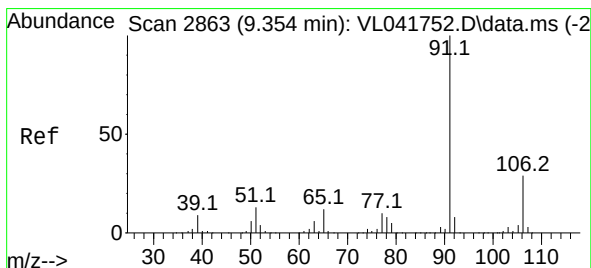
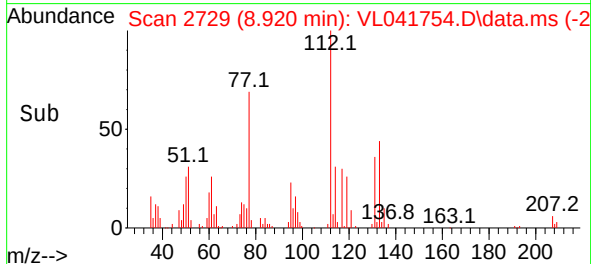
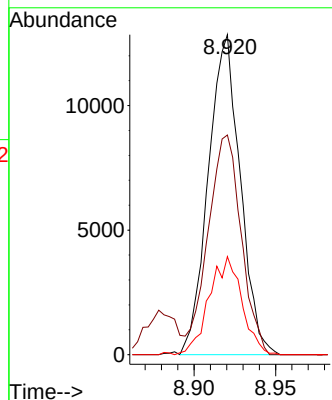
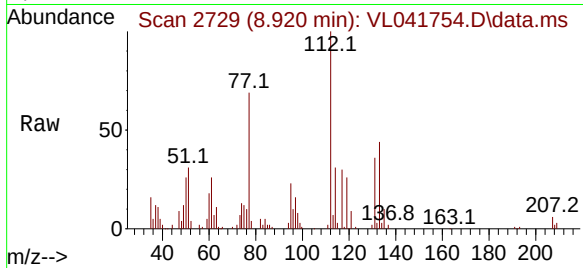




#57
Chlorobenzene
Concen: 1.054 ppbv
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

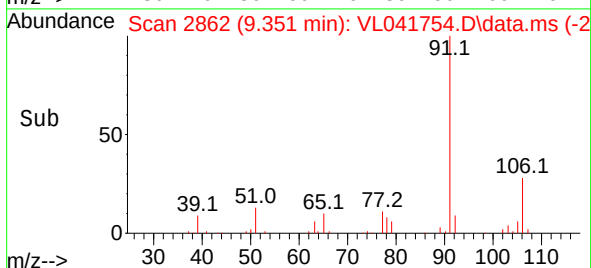
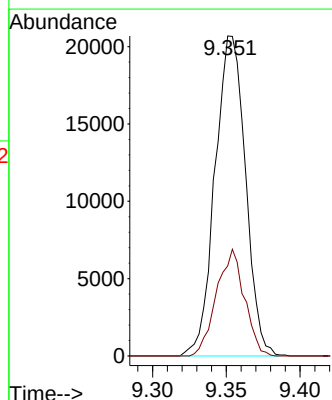
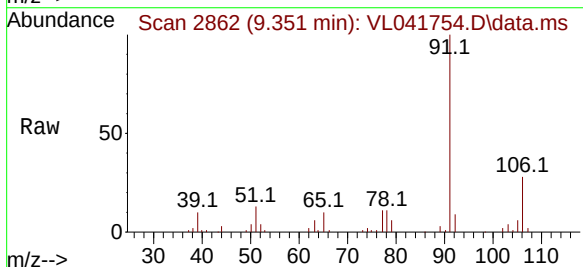
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

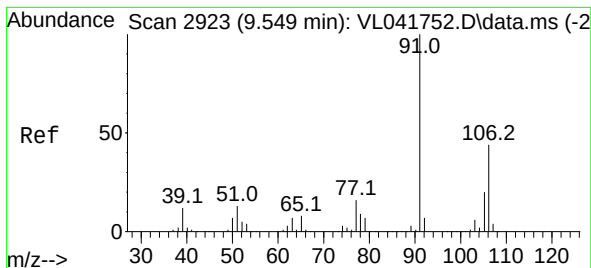
Tgt Ion:112 Resp: 17500
Ion Ratio Lower Upper
112 100
77 68.6 57.4 86.0
114 30.7 27.4 33.4



#58
Ethyl Benzene
Concen: 1.019 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.004 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

Tgt Ion: 91 Resp: 29762
Ion Ratio Lower Upper
91 100
106 28.1 23.5 35.3

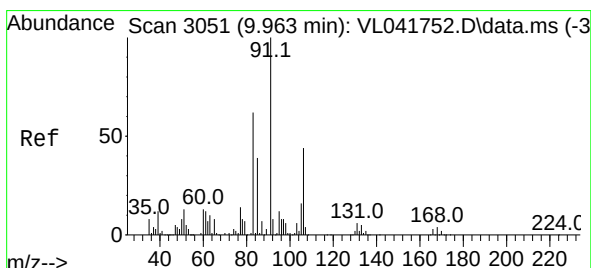
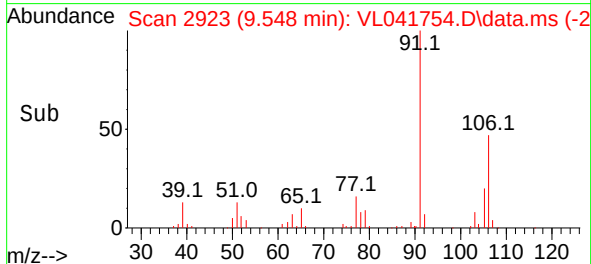
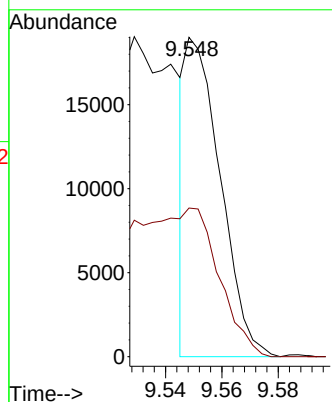
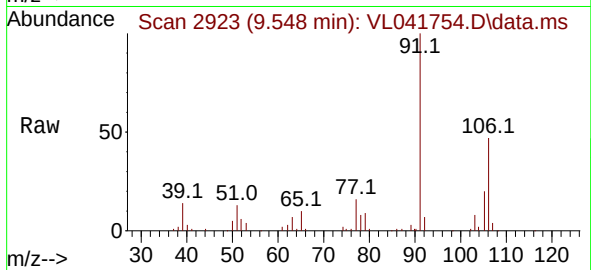




#59
m/p-Xylene
Concen: 0.692 ppbv
RT: 9.548 min Scan# 2923
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

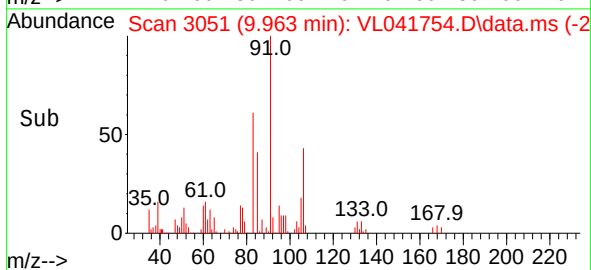
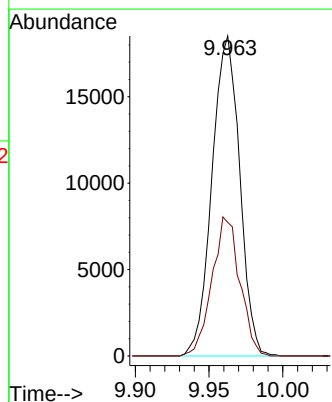
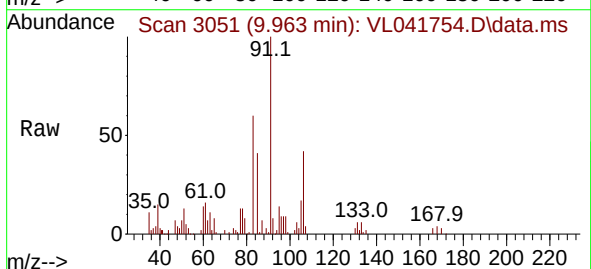
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

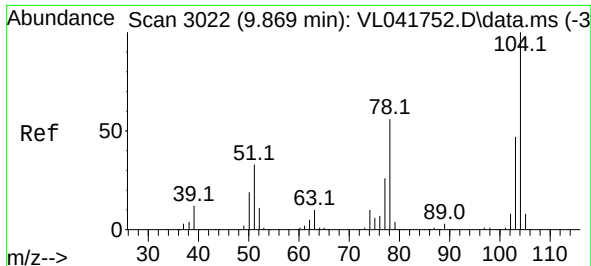
Tgt Ion: 91 Resp: 16252
Ion Ratio Lower Upper
91 100
106 133.5 0.0 0.0#



#60
o-Xylene
Concen: 1.028 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

Tgt Ion: 91 Resp: 24210
Ion Ratio Lower Upper
91 100
106 43.6 21.1 63.4

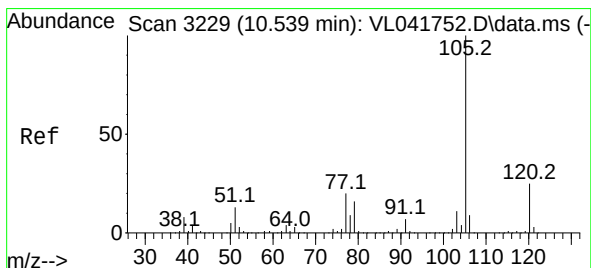
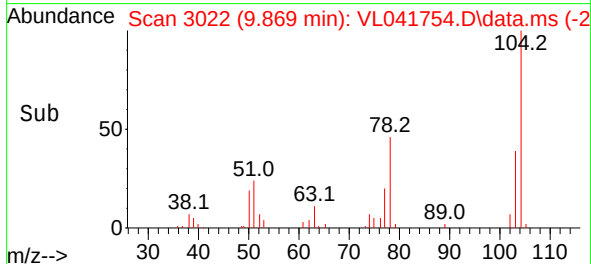
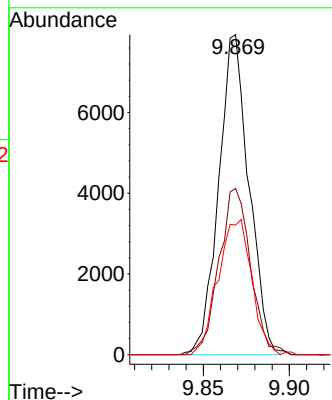
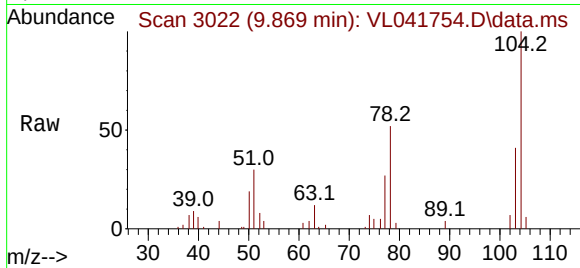




#61
Styrene
Concen: 0.953 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

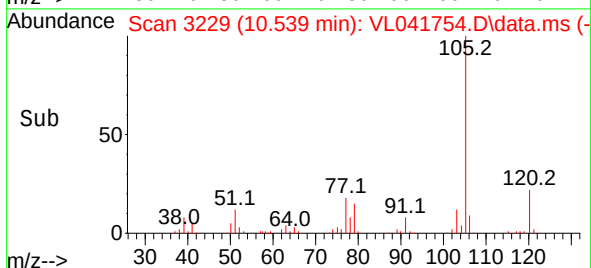
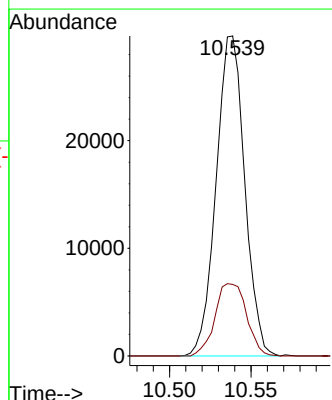
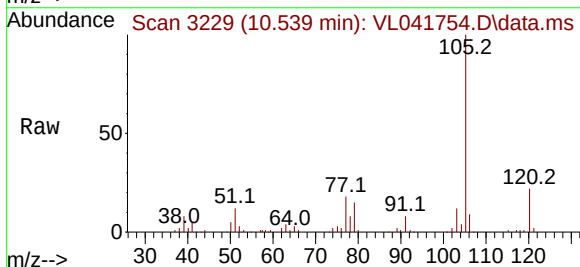
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

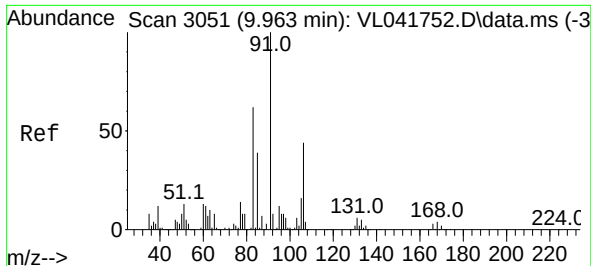
Tgt Ion:104 Resp: 9707
Ion Ratio Lower Upper
104 100
78 54.3 43.8 65.6
103 47.2 37.8 56.6



#62
Isopropylbenzene
Concen: 1.024 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

Tgt Ion:105 Resp: 36251
Ion Ratio Lower Upper
105 100
120 24.9 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 1.001 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC001

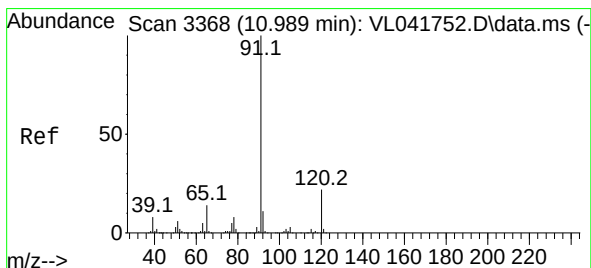
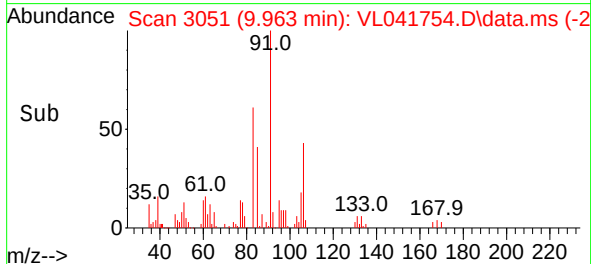
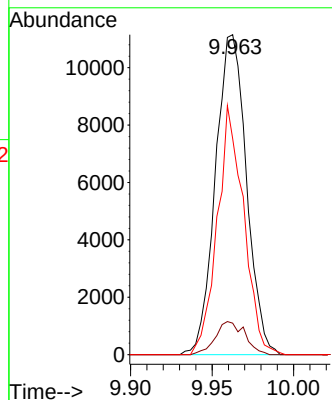
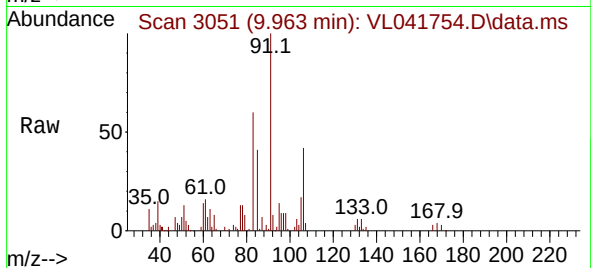
Tgt Ion: 83 Resp: 14752

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 66.2 32.0 96.2



#64

n-propylbenzene

Concen: 1.054 ppbv

RT: 10.985 min Scan# 3367

Delta R.T. -0.004 min

Lab File: VL041754.D

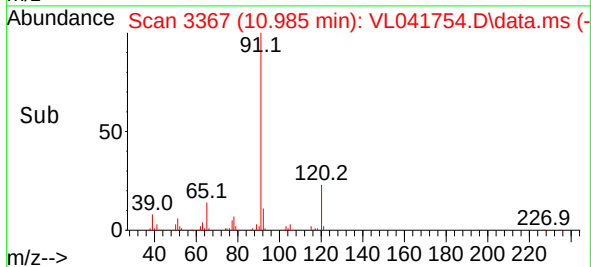
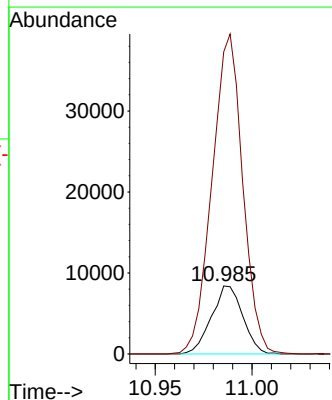
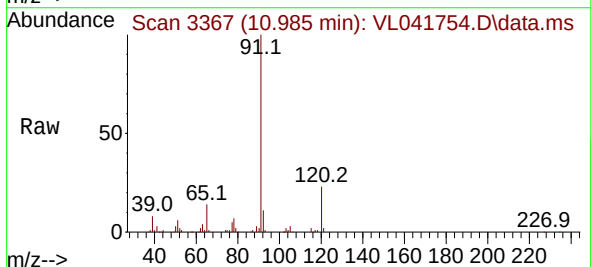
Acq: 16 Dec 2024 14:34

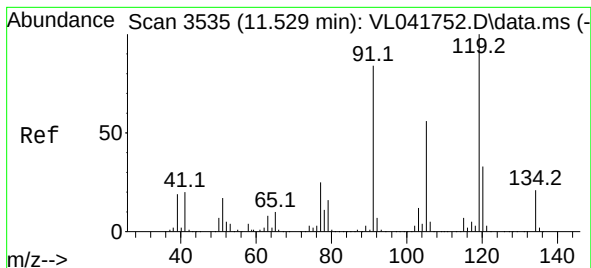
Tgt Ion:120 Resp: 9432

Ion Ratio Lower Upper

120 100

91 461.0 387.3 580.9





#65

tert-Butylbenzene

Concen: 1.030 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

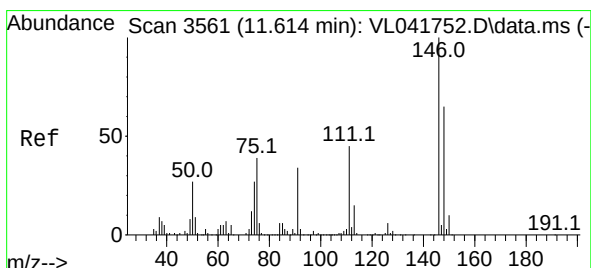
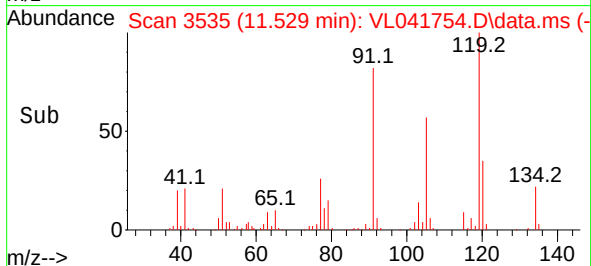
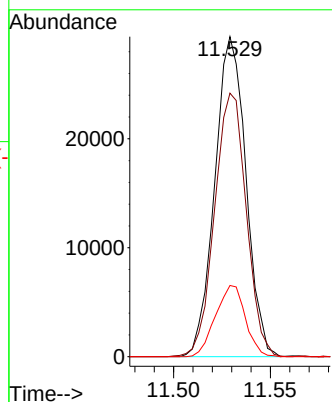
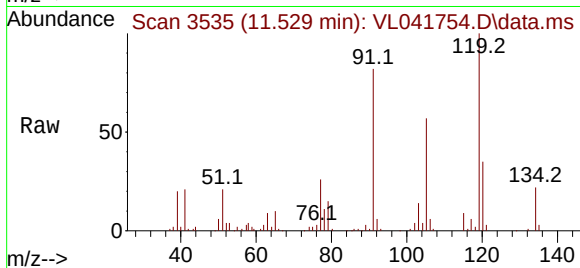
Tgt Ion:119 Resp: 32887

Ion Ratio Lower Upper

119 100

91 83.8 67.0 100.4

134 21.3 16.5 24.7



#66

Benzyl Chloride

Concen: 0.894 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.004 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

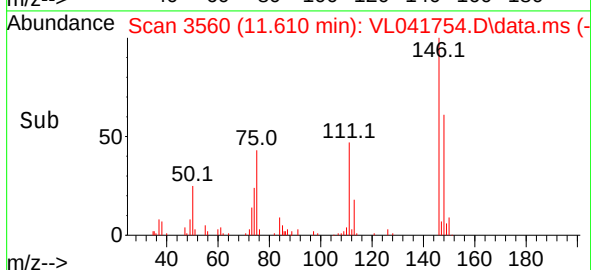
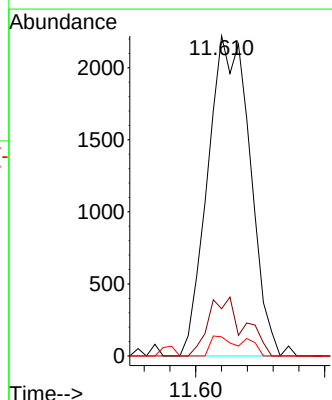
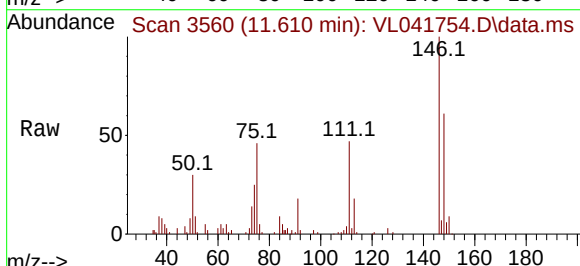
Tgt Ion: 91 Resp: 2518

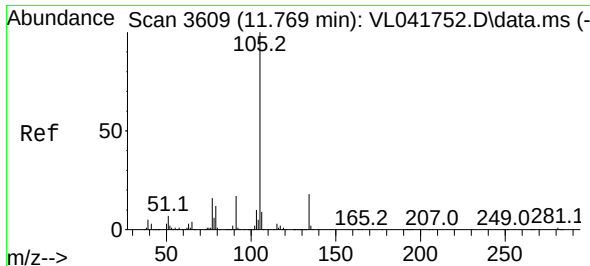
Ion Ratio Lower Upper

91 100

126 15.6 13.9 20.9

128 5.9 4.4 6.6





#67

sec-Butylbenzene

Concen: 1.019 ppbv

RT: 11.765 min Scan# 3608

Delta R.T. -0.004 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

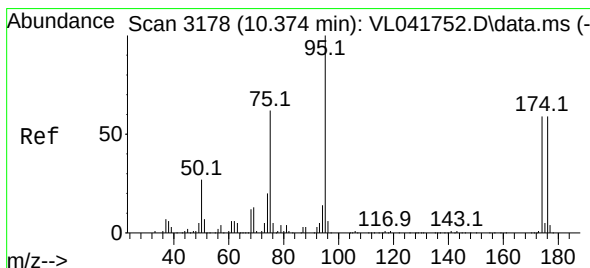
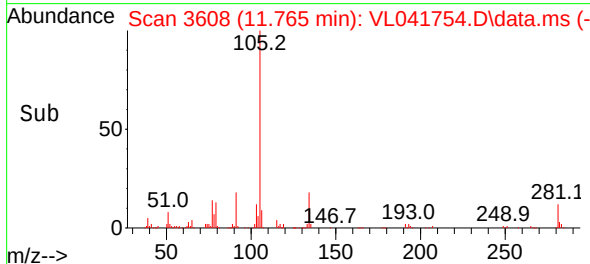
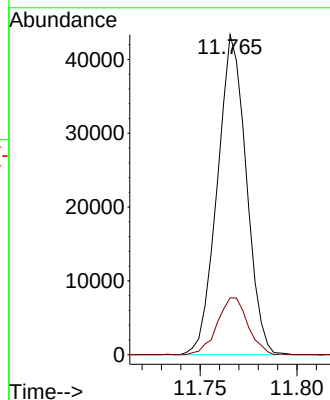
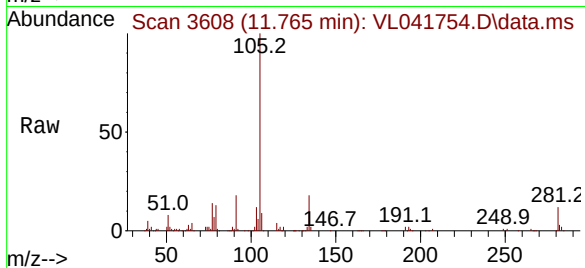
VSTDIC001

Tgt Ion:105 Resp: 45015

Ion Ratio Lower Upper

105 100

134 18.8 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 9.825 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

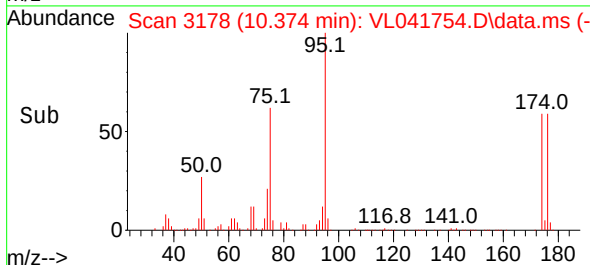
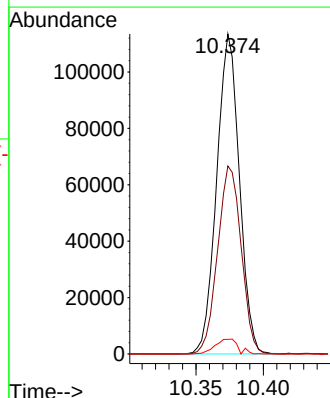
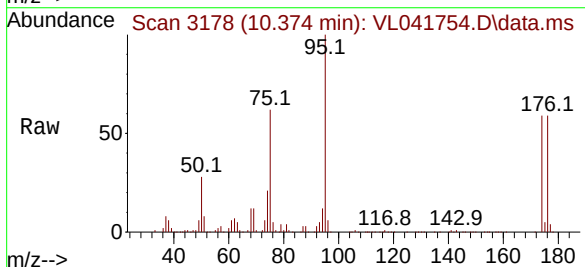
Tgt Ion: 95 Resp: 132857

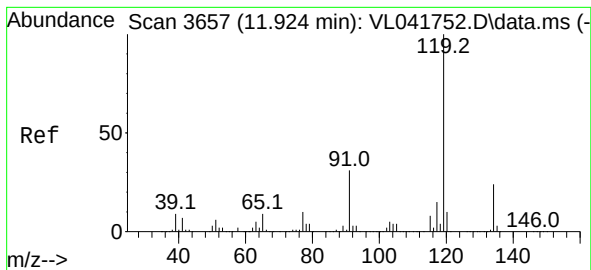
Ion Ratio Lower Upper

95 100

174 61.0 47.6 71.4

175 4.7 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.997 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

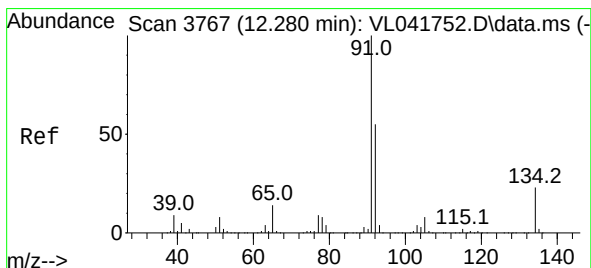
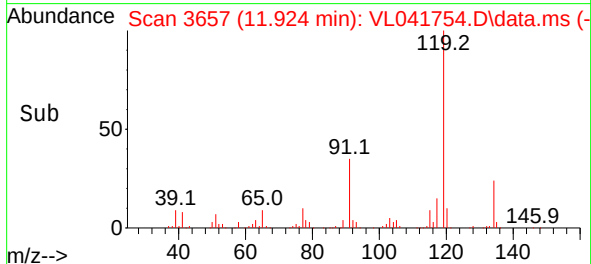
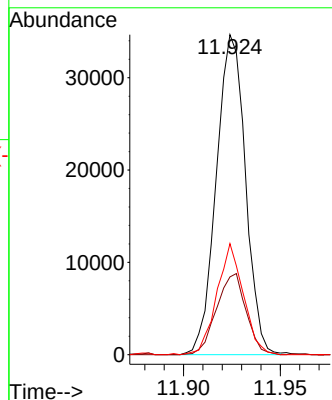
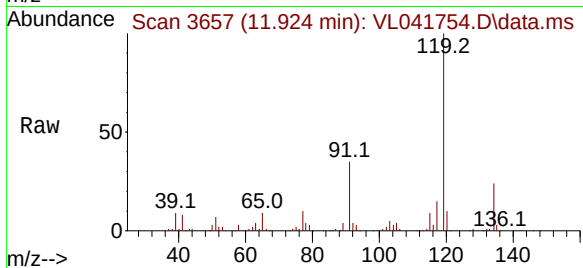
Tgt Ion:119 Resp: 36298

Ion Ratio Lower Upper

119 100

134 25.8 19.6 29.4

91 31.8 24.4 36.6



#70

n-Butylbenzene

Concen: 1.007 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

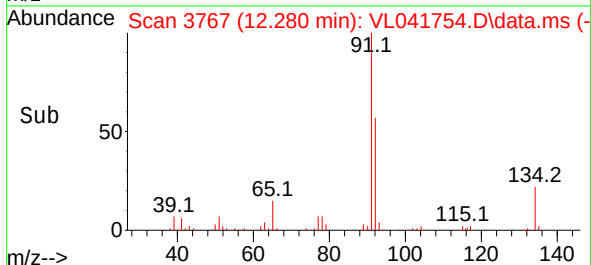
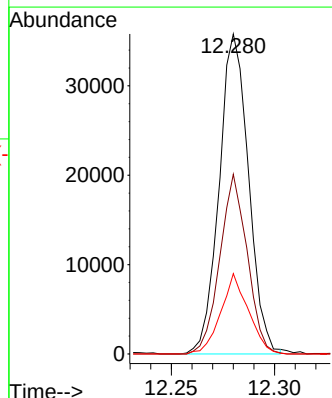
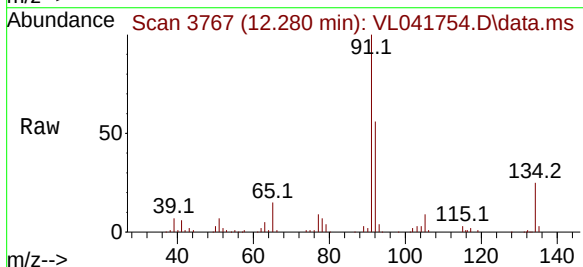
Tgt Ion: 91 Resp: 35432

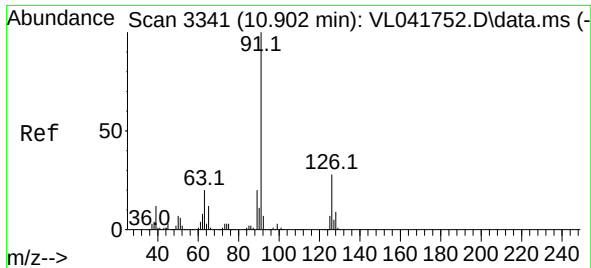
Ion Ratio Lower Upper

91 100

92 52.4 43.2 64.8

134 23.6 18.2 27.4

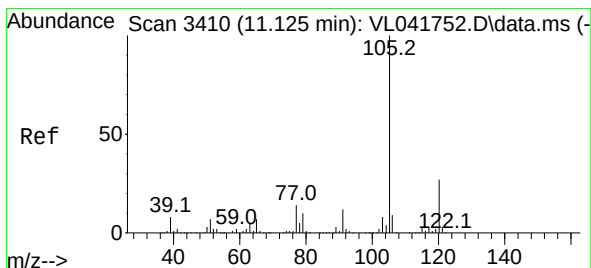
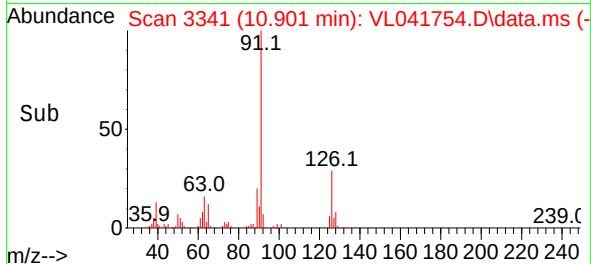
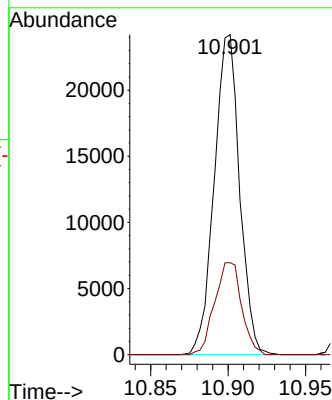
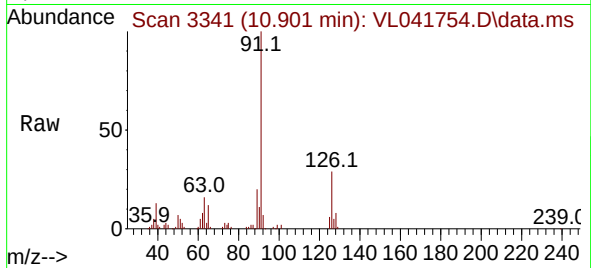




#71
2-Chlorotoluene
Concen: 1.020 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

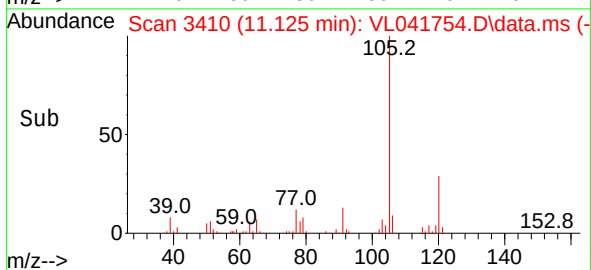
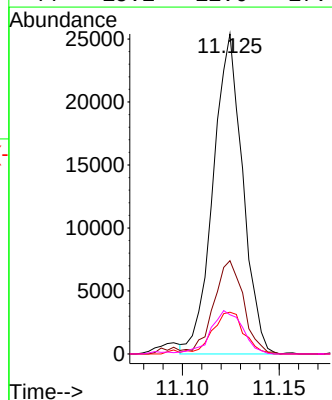
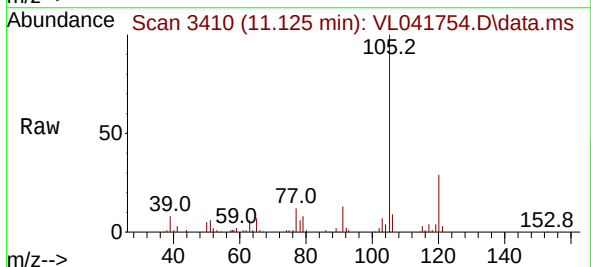
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

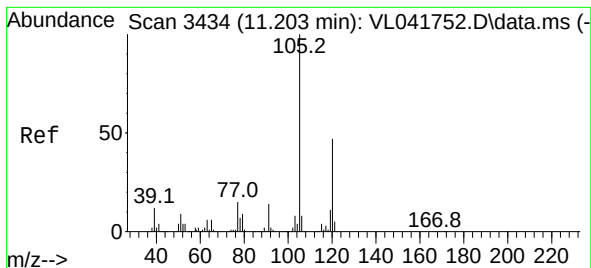
Tgt Ion: 91 Resp: 27561
Ion Ratio Lower Upper
91 100
126 30.5 11.6 46.4



#72
4-Ethyltoluene
Concen: 0.970 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

Tgt Ion:105 Resp: 26921
Ion Ratio Lower Upper
105 100
120 30.7 23.3 34.9
91 14.5 10.9 16.3
77 15.1 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.969 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

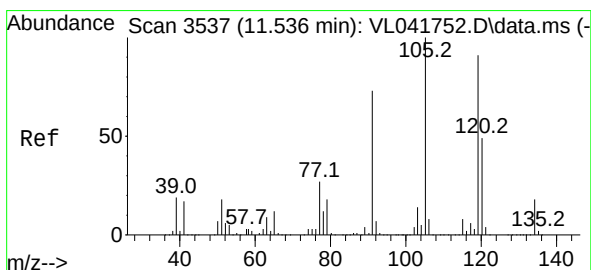
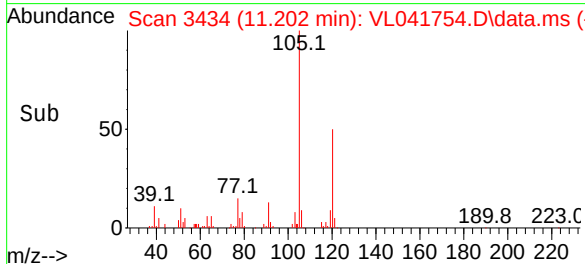
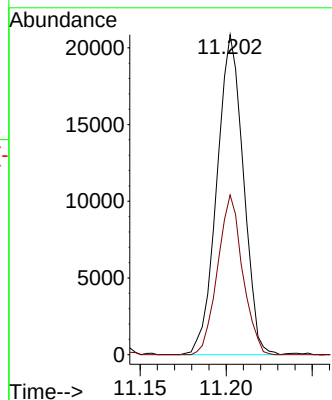
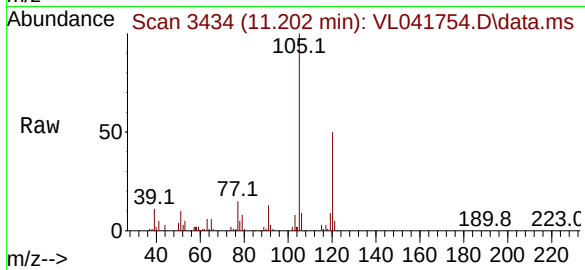
VSTDIC001

Tgt Ion:105 Resp: 22360

Ion Ratio Lower Upper

105 100

120 49.9 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.994 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion:105 Resp: 24654

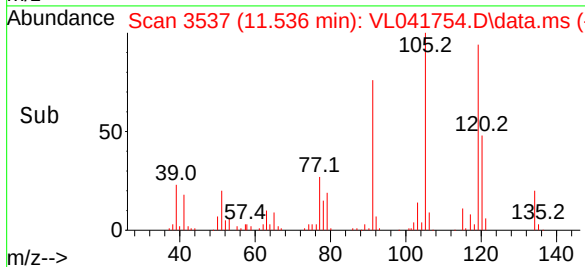
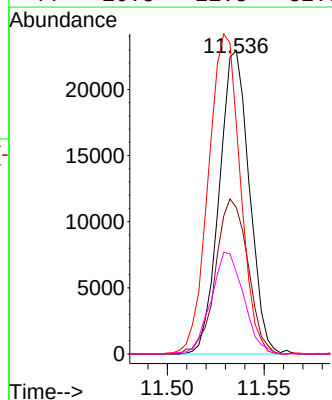
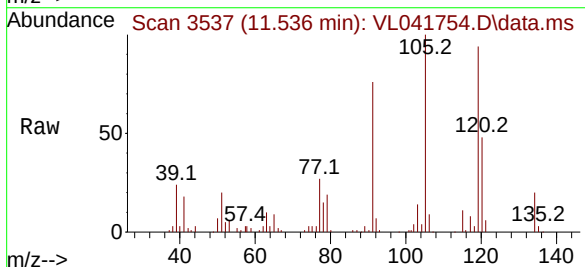
Ion Ratio Lower Upper

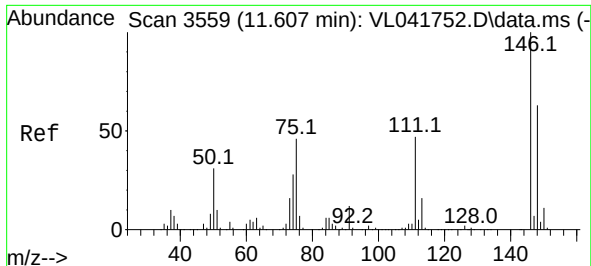
105 100

120 48.3 39.0 58.4

91 75.5 58.1 87.1

77 26.8 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 1.042 ppbv

RT: 11.604 min Scan# 3558

Delta R.T. -0.004 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

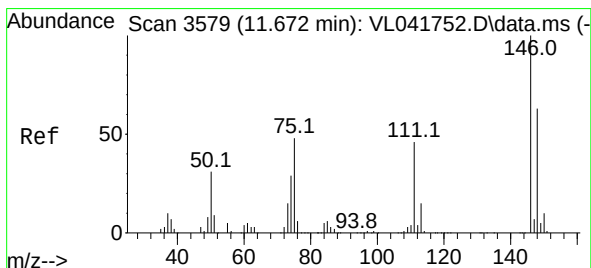
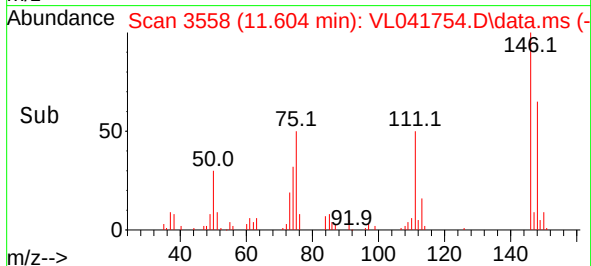
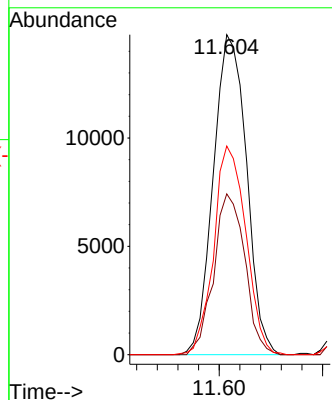
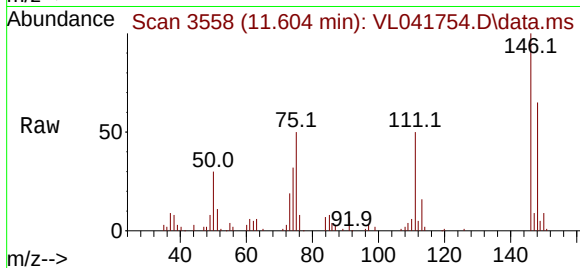
Tgt Ion:146 Resp: 16476

Ion Ratio Lower Upper

146 100

111 47.3 23.4 70.3

148 63.1 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 1.010 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. -0.004 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

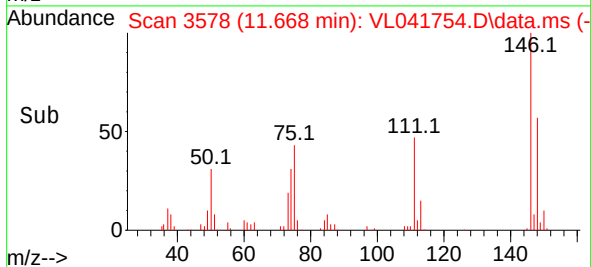
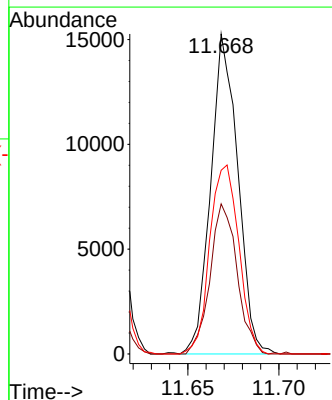
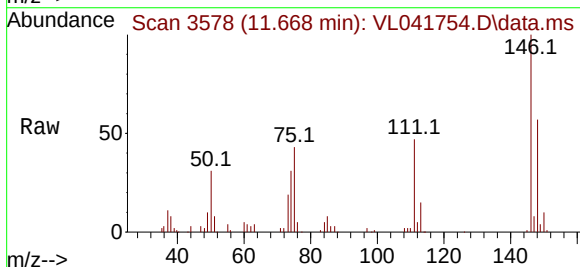
Tgt Ion:146 Resp: 15774

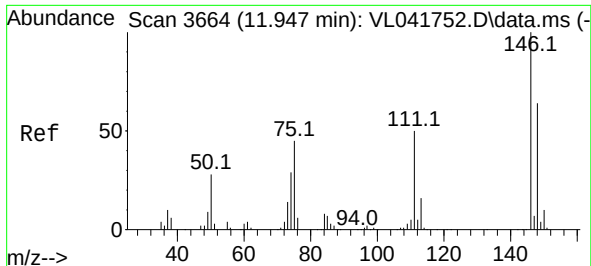
Ion Ratio Lower Upper

146 100

111 47.0 22.7 68.1

148 63.4 31.4 94.0

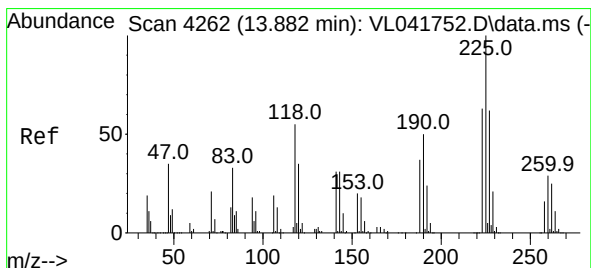
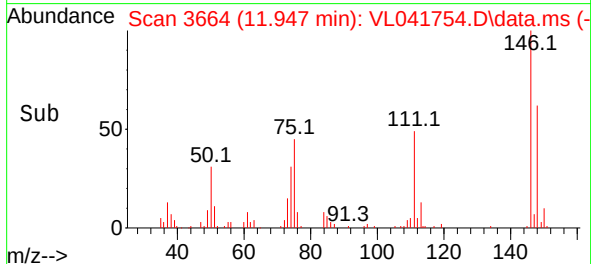
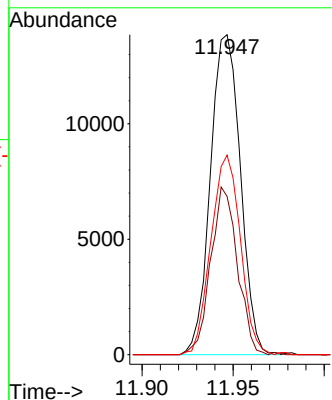
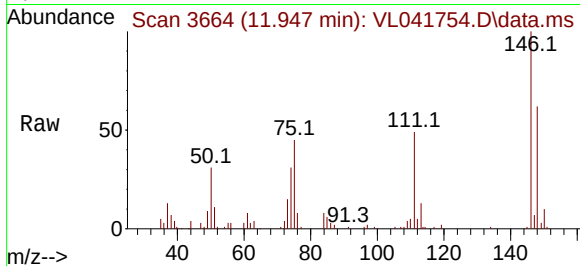




#77
1,2-Dichlorobenzene
Concen: 1.043 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

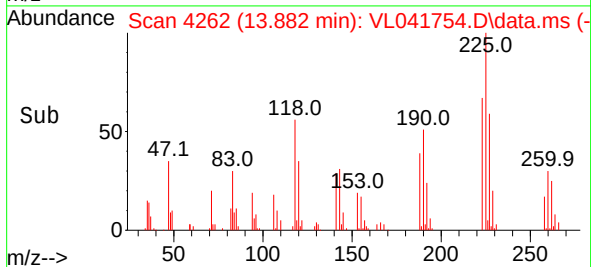
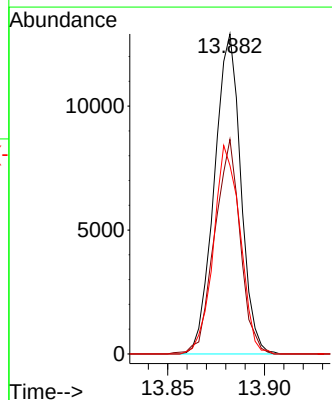
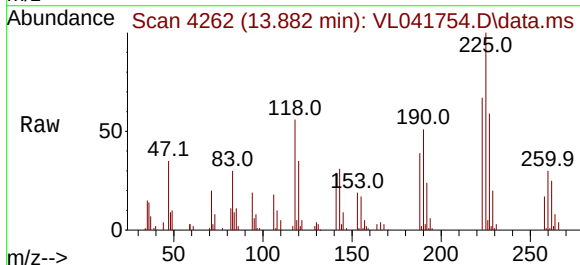
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

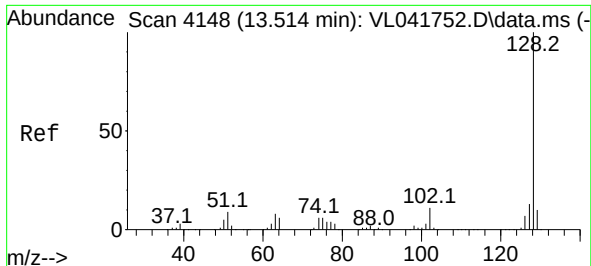
Tgt Ion:146 Resp: 15866
Ion Ratio Lower Upper
146 100
111 47.0 24.8 74.3
148 61.6 31.8 95.4



#78
Hexachloro-1,3-Butadiene
Concen: 1.087 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

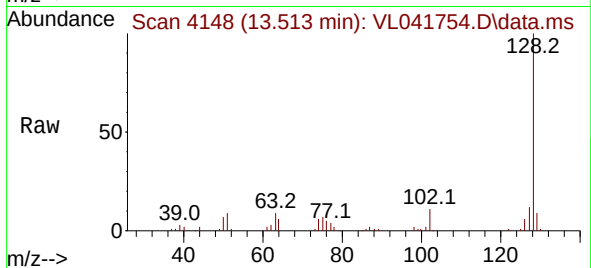
Tgt Ion:225 Resp: 12266
Ion Ratio Lower Upper
225 100
223 65.0 50.5 75.7
227 65.7 50.3 75.5



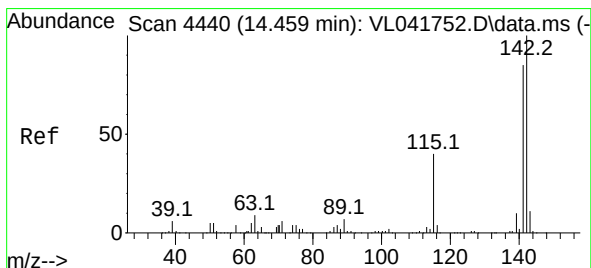
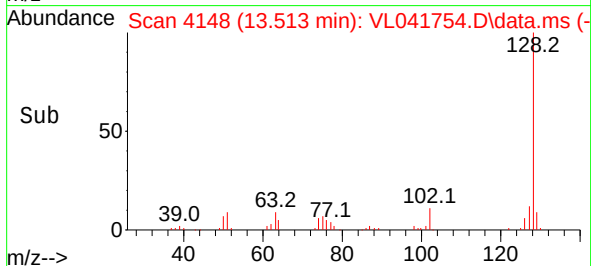
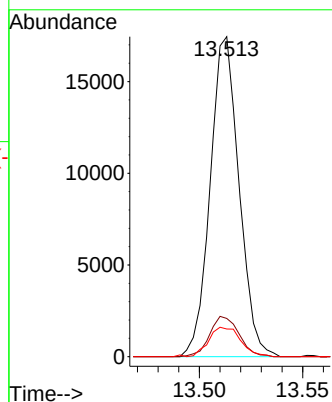


#79
Naphthalene
Concen: 0.982 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

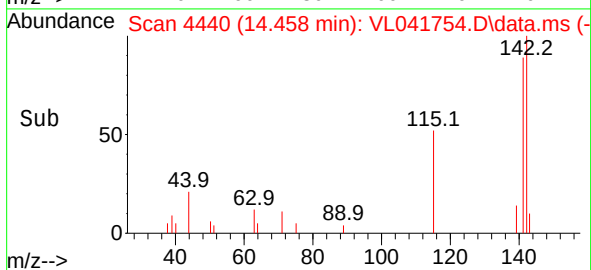
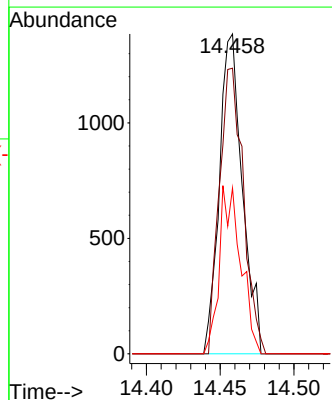
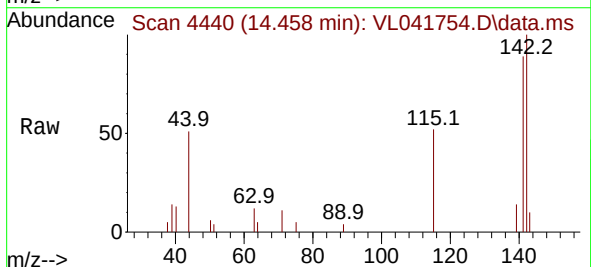


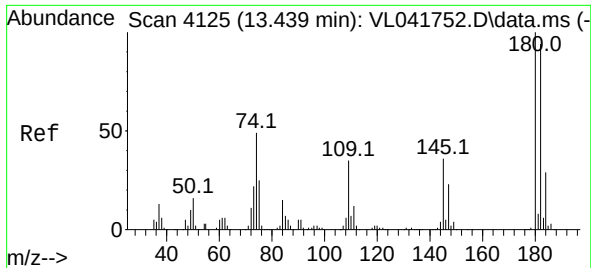
Tgt Ion:128 Resp: 16971
Ion Ratio Lower Upper
128 100
127 12.0 10.7 16.1
129 8.7 8.2 12.4



#80
Naphthalene,2-methyl-
Concen: 0.281 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL041754.D
Acq: 16 Dec 2024 14:34

Tgt Ion:142 Resp: 1504
Ion Ratio Lower Upper
142 100
141 92.8 68.4 102.6
115 48.9 32.5 48.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.950 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041754.D

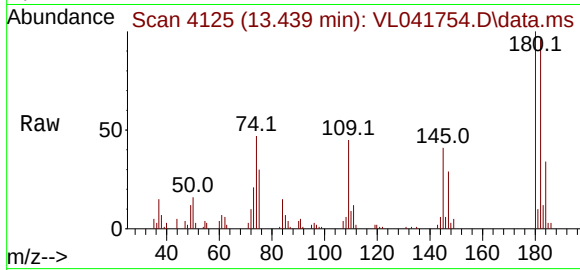
Acq: 16 Dec 2024 14:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 8973

Ion Ratio Lower Upper

180 100

182 99.0 77.0 115.6

184 34.2 23.8 35.8

