

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050924\
 Data File : VL041255.D
 Acq On : 9 May 2024 12:45
 Operator : SY/MD
 Sample : P2403-15 MDL 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 10 01:26:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 10 01:23:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	758857	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2003593	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	1830382	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1407371	10.185	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.880	85	12371	0.121	ppbv 98
3) Chlorodifluoromethane	2.697	51	13439	0.117	ppbv 97
4) Chloromethane	2.835	50	4982	0.110	ppbv 92
5) Vinyl Chloride	2.944	62	4778	0.105	ppbv # 87
7) Chloroethane	3.224	64	1446	0.090	ppbv 90
8) Dichlorotetrafluoroethane	2.880	85	12371	0.116	ppbv 94
11) Trichlorofluoromethane	3.584	101	10806	0.104	ppbv 93
12) 1,1,2-Trichlorotrifluo...	4.086	101	8456	0.110	ppbv 89
14) Bromoethene	3.388	108	3715	0.117	ppbv # 86
15) Acetone	3.517	43	20665	0.231	ppbv # 85
16) 1,3-Butadiene	3.005	39	3793	0.084	ppbv # 10
18) 1,1-Dichloroethene	3.906	96	3130	0.091	ppbv # 58
20) Methylene Chloride	3.957	84	7399	0.238	ppbv 91
21) Allyl Chloride	4.018	41	5896	0.101	ppbv # 58
22) trans-1,2-Dichloroethene	4.465	96	2089	0.058	ppbv # 73
24) 1,1-Dichloroethane	4.584	63	6353	0.083	ppbv # 93
25) Ethyl Acetate	5.237	43	8335	0.047	ppbv # 68
26) Hexane	5.237	57	3043	0.038	ppbv # 1
27) Carbon Disulfide	4.150	76	8551	0.091	ppbv # 69
29) Chloroform	5.291	83	11177	0.102	ppbv 87
31) cis-1,2-Dichloroethene	5.105	61	3385	0.045	ppbv # 81
32) 1,1,1-Trichloroethane	6.024	97	4894	0.045	ppbv # 1
35) Carbon Tetrachloride	6.510	117	9765	0.087	ppbv # 77
37) 1,2-Dichloroethane	5.832	62	9715	0.111	ppbv # 94
38) Trichloroethene	7.314	130	2716	0.043	ppbv # 51
39) 1,2-Dichloropropane	6.671	63	496713	7.666	ppbv # 23
41) Tetrahydrofuran	5.613	42	2883	0.039	ppbv # 38
42) Bromodichloromethane	7.266	83	7393	0.059	ppbv # 76
43) Methyl Methacrylate	7.497	69	3906	0.057	ppbv # 58
47) 1,1,2-Trichloroethane	8.915	97	5768	0.089	ppbv # 70
48) Dibromochloromethane	9.735	129	3152	0.031	ppbv # 10
53) Toluene	9.237	91	9454	0.048	ppbv # 20
54) 1,2-Dibromoethane	10.031	107	4606	0.052	ppbv 98
56) 1,1,1,2-Tetrachloroethane	11.523	131	6225	0.084	ppbv # 1
57) Chlorobenzene	11.536	112	15274	0.114	ppbv # 77
59) m/p-Xylene	12.391	91	7988	0.038	ppbv # 1
63) 1,1,2,2-Tetrachloroethane	13.063	83	5061	0.038	ppbv # 24
67) sec-Butylbenzene	16.657	105	21465	0.058	ppbv # 83
69) p-Isopropyltoluene	17.011	119	11047	0.036	ppbv # 47
74) 1,2,4-Trimethylbenzene	16.127	105	15186	0.069	ppbv # 79
75) 1,3-Dichlorobenzene	16.346	146	4158	0.033	ppbv # 1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050924\
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

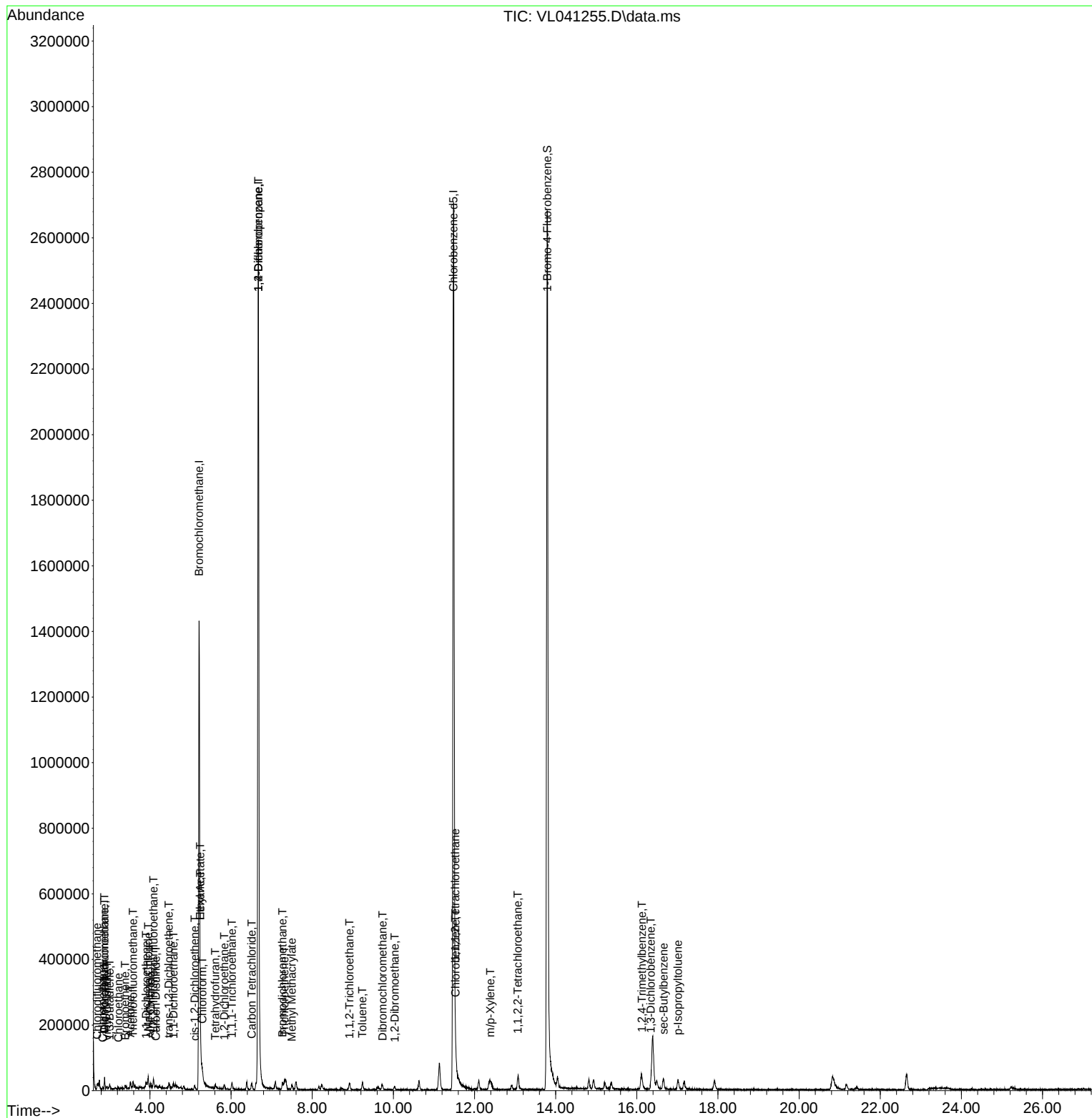
Quant Time: May 10 01:26:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 10 01:23:08 2024
Response via : Initial Calibration

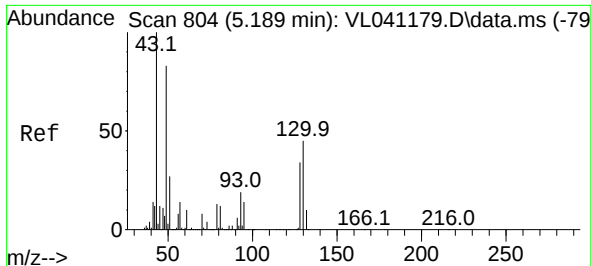
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ClientSampleId :

Response via : Initial Calibration

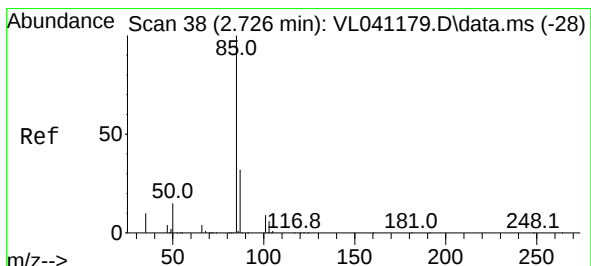
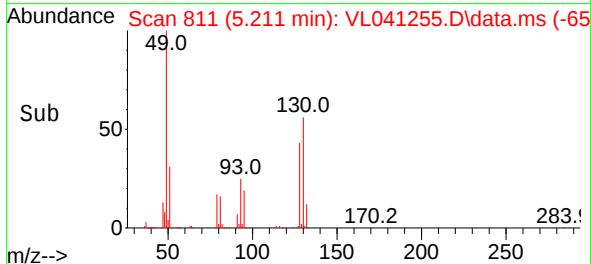
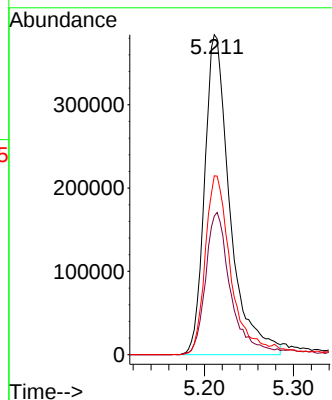
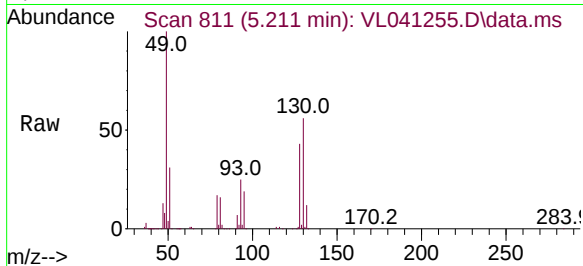




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041255.D
Acq: 9 May 2024 12:45

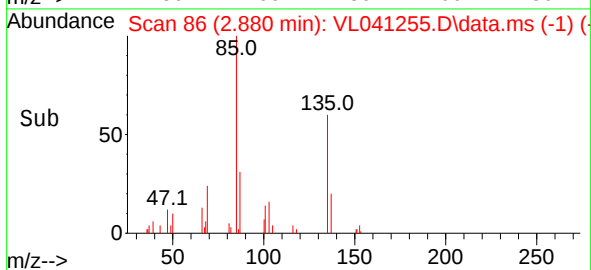
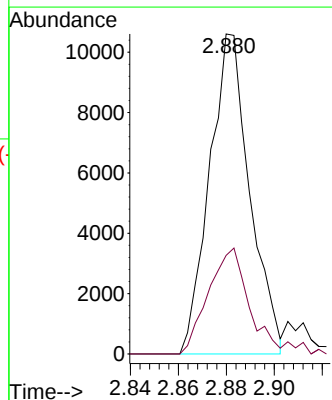
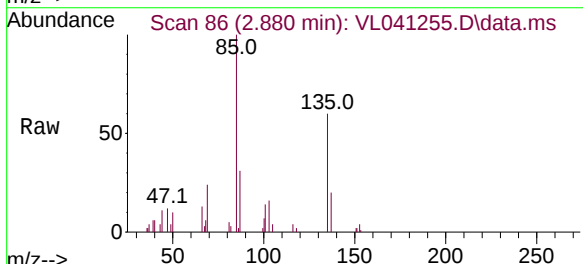
Instrument :
MSVOA_L
ClientSampleId :

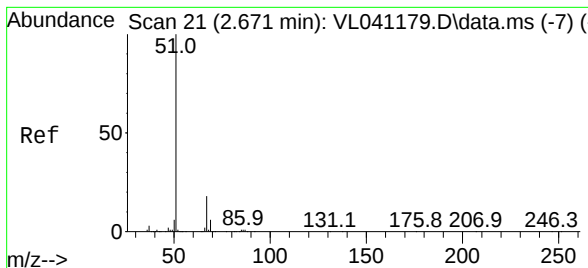
Tgt Ion: 49 Resp: 758857
Ion Ratio Lower Upper
49 100
128 46.4 21.5 64.5
130 60.0 27.2 81.6



#2
Dichlorodifluoromethane
Concen: 0.121 ppbv
RT: 2.880 min Scan# 86
Delta R.T. 0.135 min
Lab File: VL041255.D
Acq: 9 May 2024 12:45

Tgt Ion: 85 Resp: 12371
Ion Ratio Lower Upper
85 100
87 30.8 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.117 ppbv

RT: 2.697 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

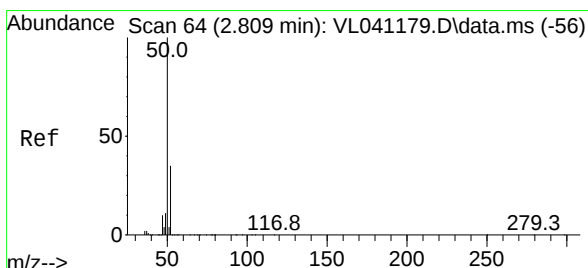
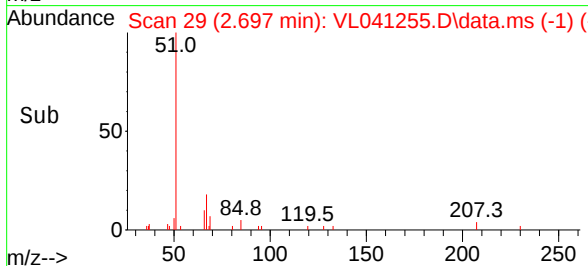
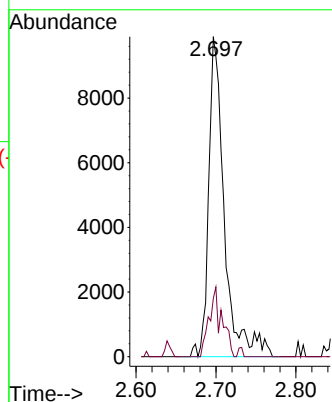
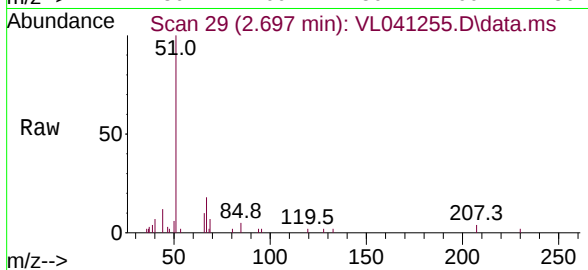
ClientSampleId :

Tgt Ion: 51 Resp: 13439

Ion Ratio Lower Upper

51 100

67 18.7 14.0 21.0



#4

Chloromethane

Concen: 0.110 ppbv

RT: 2.835 min Scan# 72

Delta R.T. 0.006 min

Lab File: VL041255.D

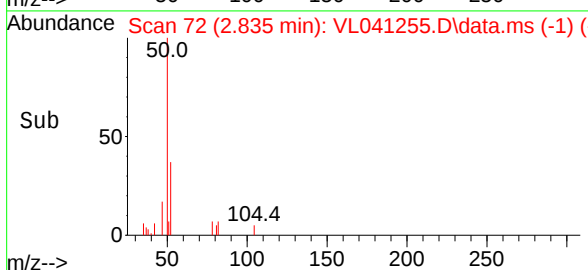
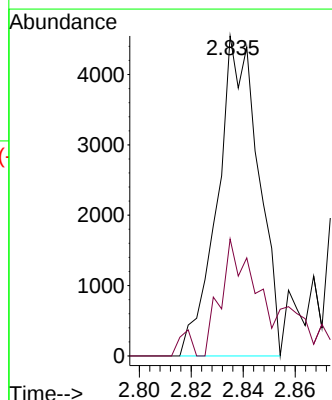
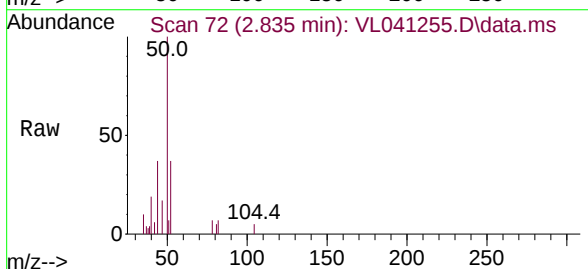
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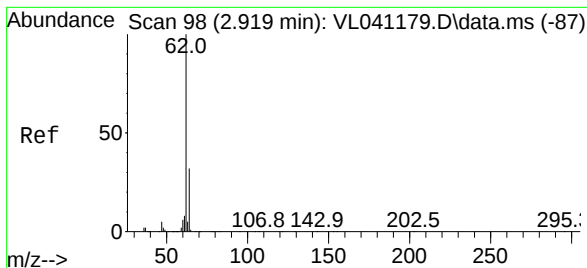
Tgt Ion: 50 Resp: 4982

Ion Ratio Lower Upper

50 100

52 30.7 28.3 42.5

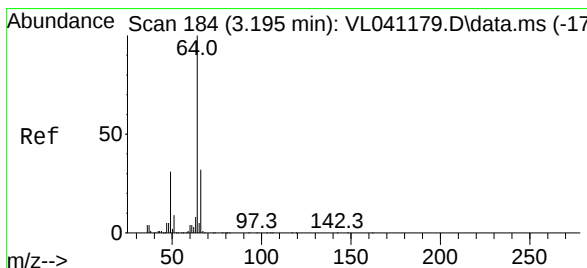
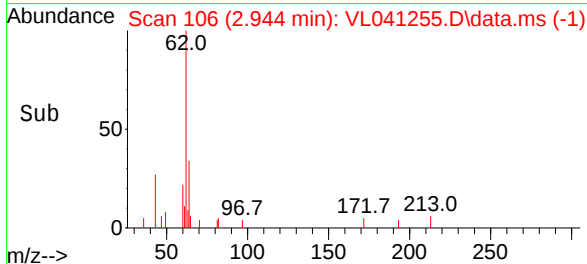
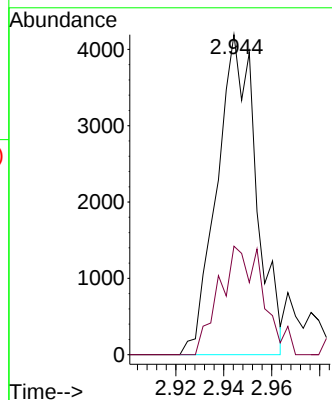
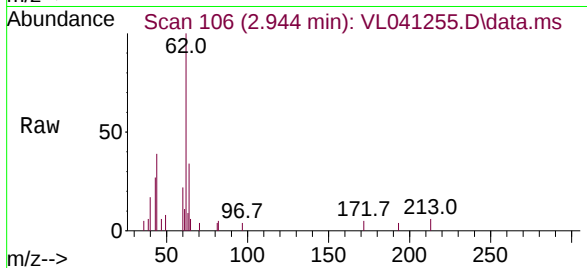




#5
 Vinyl Chloride
 Concen: 0.105 ppbv
 RT: 2.944 min Scan# 106
 Delta R.T. 0.010 min
 Lab File: VL041255.D
 Acq: 9 May 2024 12:45

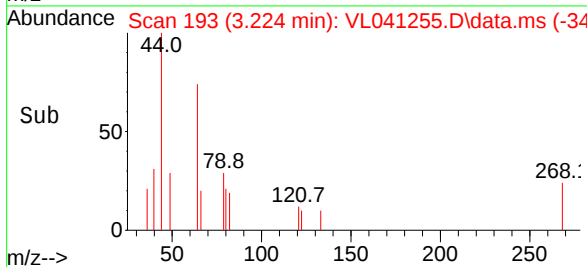
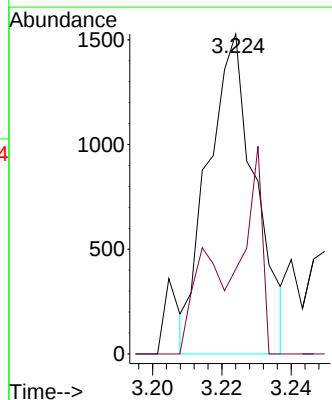
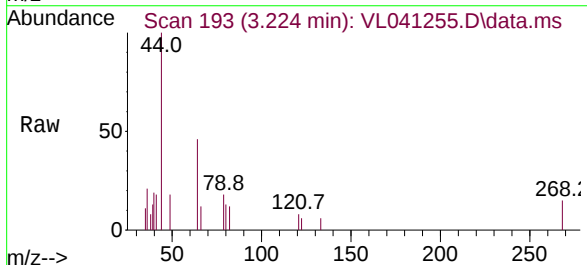
Instrument :
 MSVOA_L
 ClientSampleId :

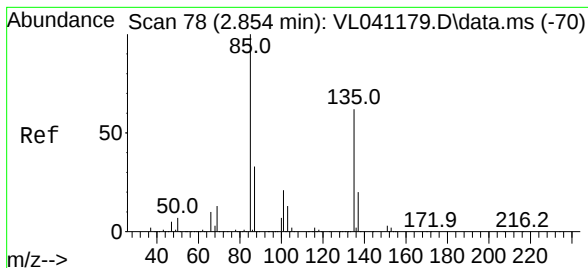
Tgt Ion: 62 Resp: 4778
 Ion Ratio Lower Upper
 62 100
 64 39.5 25.7 38.5#



#7
 Chloroethane
 Concen: 0.090 ppbv
 RT: 3.224 min Scan# 193
 Delta R.T. 0.010 min
 Lab File: VL041255.D
 Acq: 9 May 2024 12:45

Tgt Ion: 64 Resp: 1446
 Ion Ratio Lower Upper
 64 100
 66 26.5 25.4 38.2

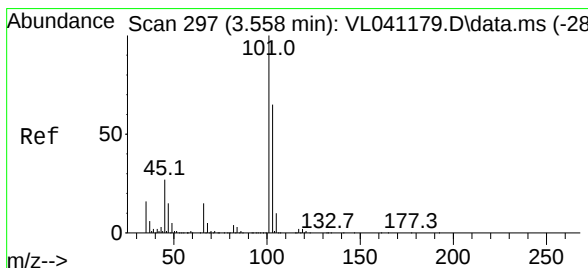
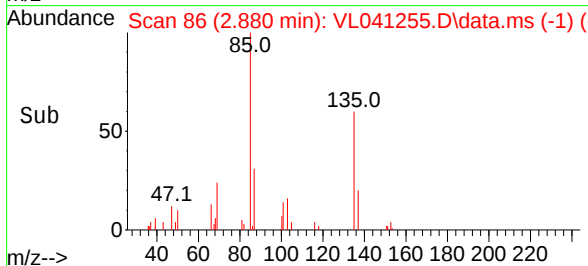
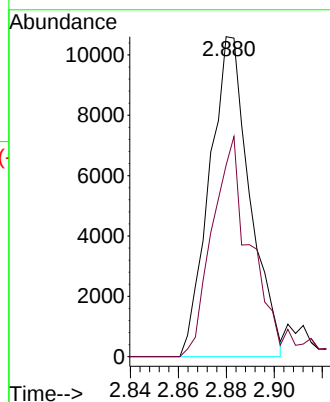
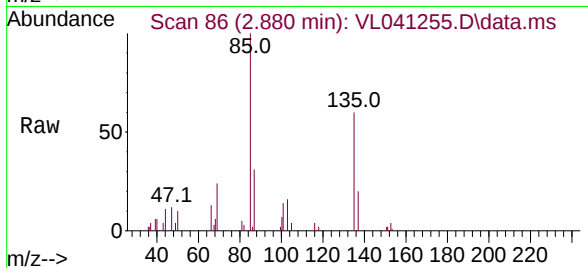




#8
 Dichlorotetrafluoroethane
 Concen: 0.116 ppbv
 RT: 2.880 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VL041255.D
 Acq: 9 May 2024 12:45

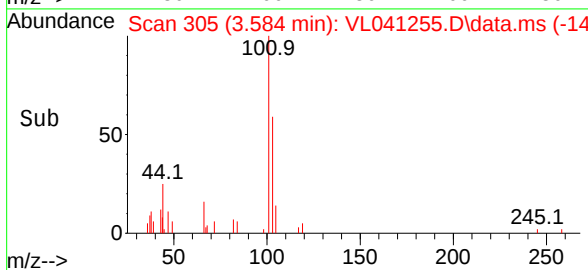
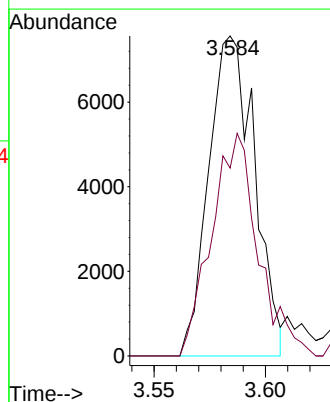
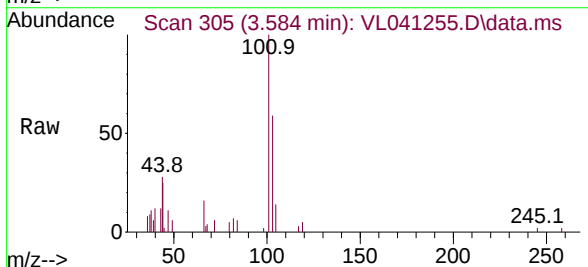
Instrument :
 MSVOA_L
 ClientSampleId :

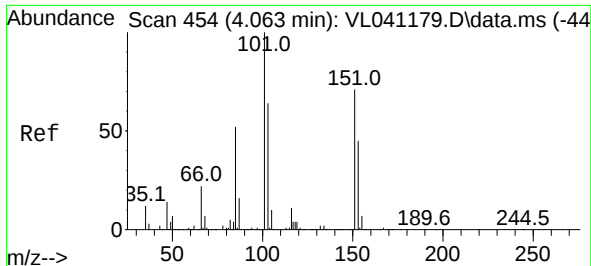
Tgt Ion: 85 Resp: 12371
 Ion Ratio Lower Upper
 85 100
 135 69.5 51.5 77.3



#11
 Trichlorofluoromethane
 Concen: 0.104 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. 0.006 min
 Lab File: VL041255.D
 Acq: 9 May 2024 12:45

Tgt Ion:101 Resp: 10806
 Ion Ratio Lower Upper
 101 100
 103 58.7 51.6 77.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.110 ppbv

RT: 4.086 min Scan# 4

Delta R.T. 0.006 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

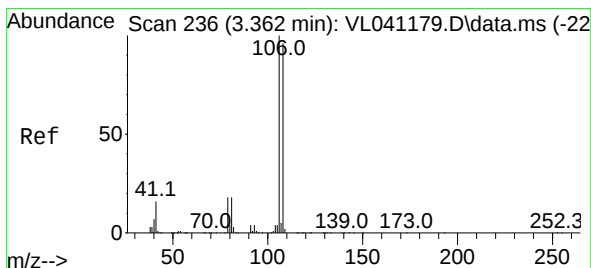
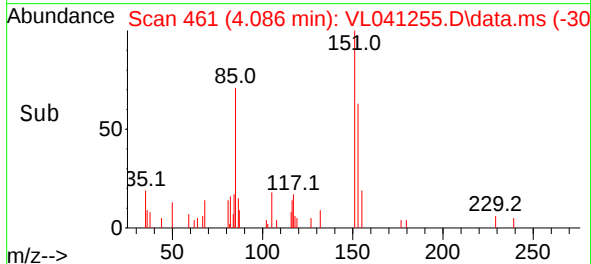
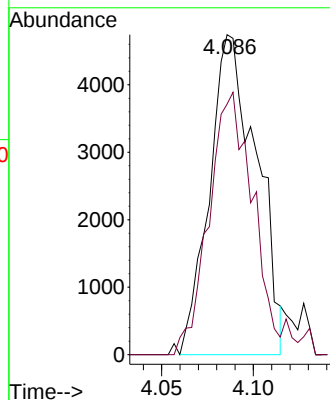
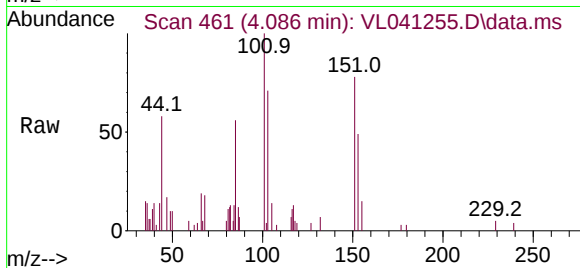
ClientSampleId :

Tgt Ion:101 Resp: 8456

Ion Ratio Lower Upper

101 100

151 79.7 56.8 85.2



#14

Bromoethene

Concen: 0.117 ppbv

RT: 3.388 min Scan# 244

Delta R.T. 0.006 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

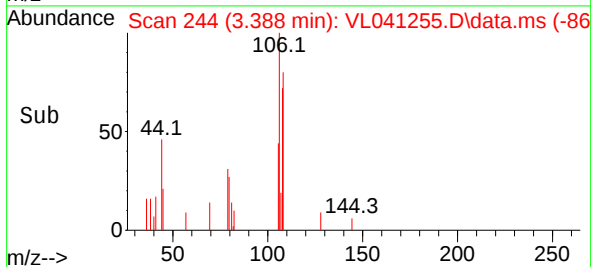
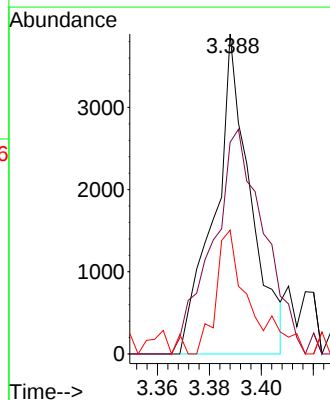
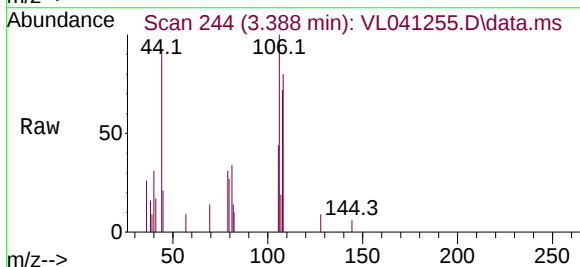
Tgt Ion:108 Resp: 3715

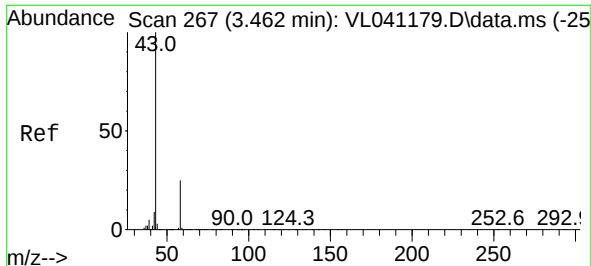
Ion Ratio Lower Upper

108 100

106 101.8 88.2 132.4

79 43.3 17.4 26.0#





#15

Acetone

Concen: 0.231 ppbv

RT: 3.517 min Scan# 21

Delta R.T. 0.035 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

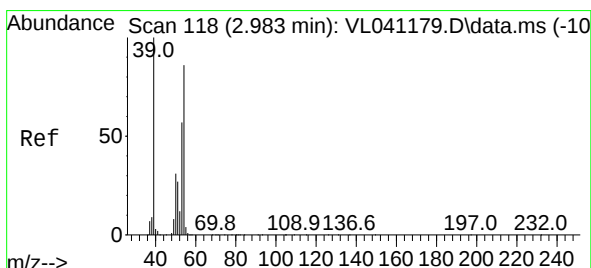
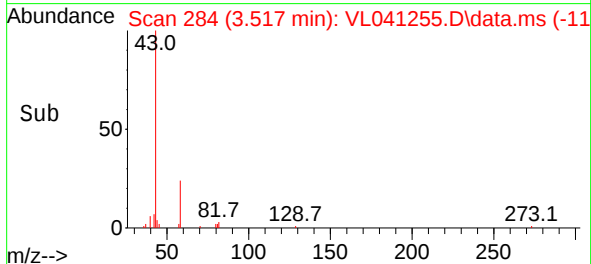
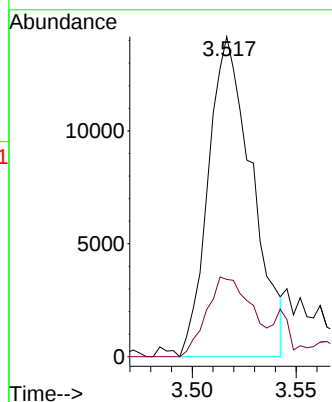
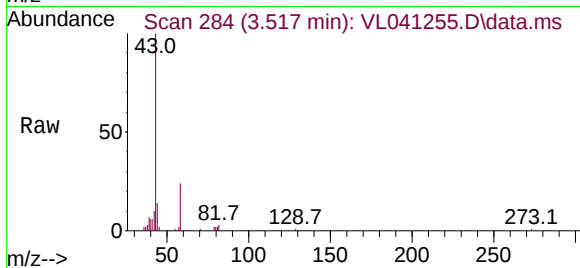
ClientSampleId :

Tgt Ion: 43 Resp: 20665

Ion Ratio Lower Upper

43 100

58 34.6 21.4 32.0#



#16

1,3-Butadiene

Concen: 0.084 ppbv

RT: 3.005 min Scan# 125

Delta R.T. 0.006 min

Lab File: VL041255.D

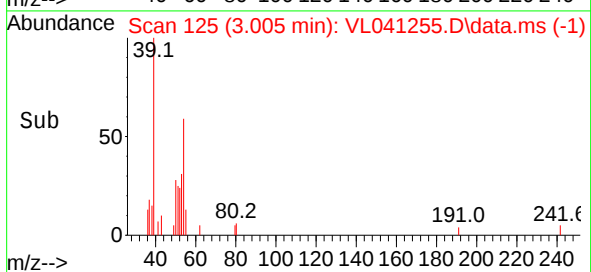
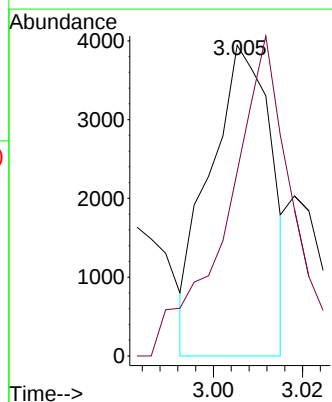
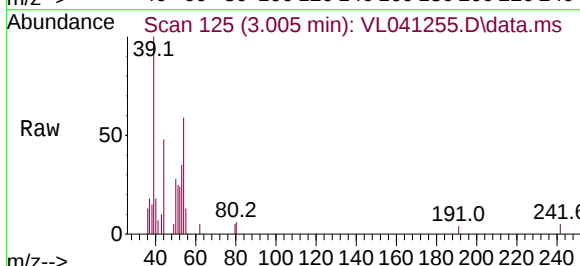
Acq: 9 May 2024 12:45

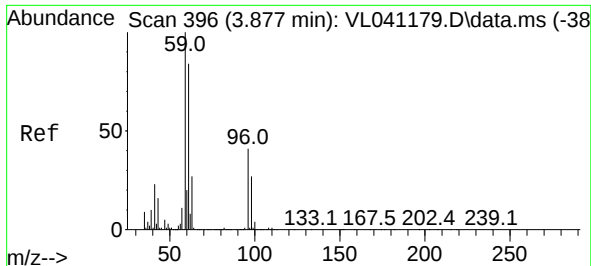
Tgt Ion: 39 Resp: 3793

Ion Ratio Lower Upper

39 100

54 0.0 62.2 93.4#





#18

1,1-Dichloroethene

Concen: 0.091 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.010 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

ClientSampleId :

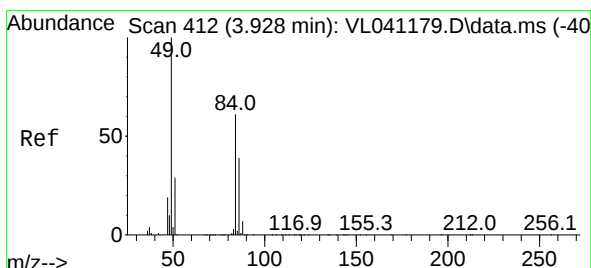
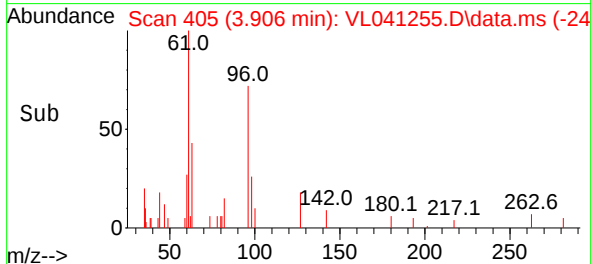
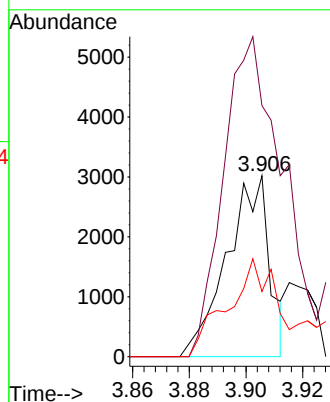
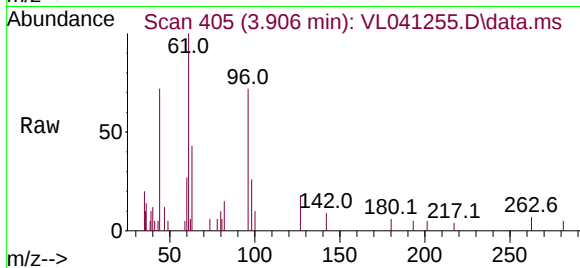
Tgt Ion: 96 Resp: 3130

Ion Ratio Lower Upper

96 100

61 138.6 164.4 246.6#

98 36.0 51.8 77.8#



#20

Methylene Chloride

Concen: 0.238 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.010 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Tgt Ion: 84 Resp: 7399

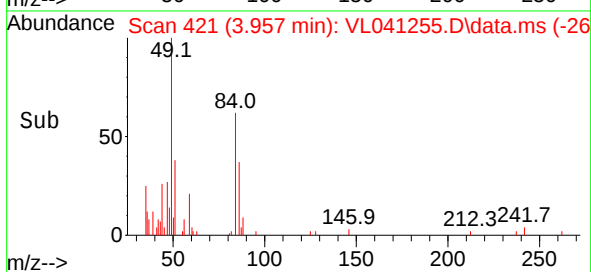
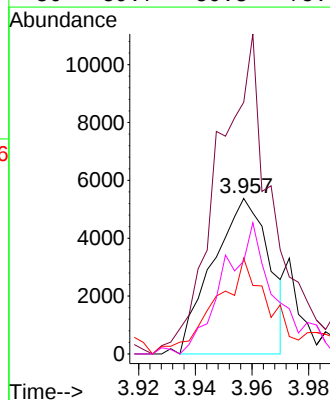
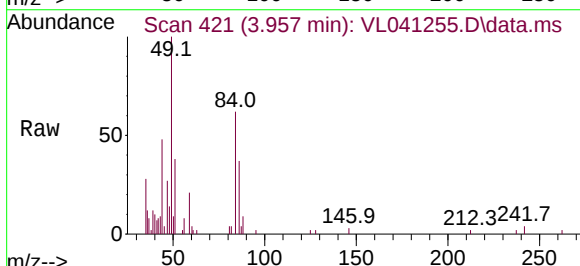
Ion Ratio Lower Upper

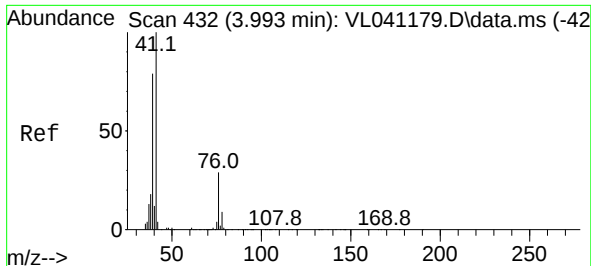
84 100

49 145.5 130.4 195.6

51 49.1 38.0 57.0

86 59.7 50.3 75.5





#21

Allyl Chloride

Concen: 0.101 ppbv

RT: 4.018 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

ClientSampleId :

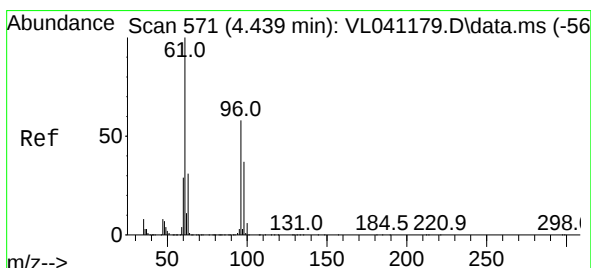
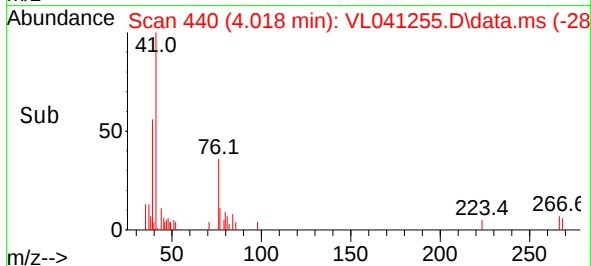
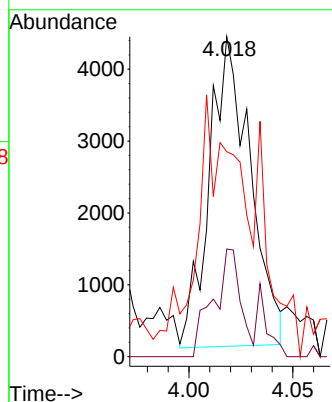
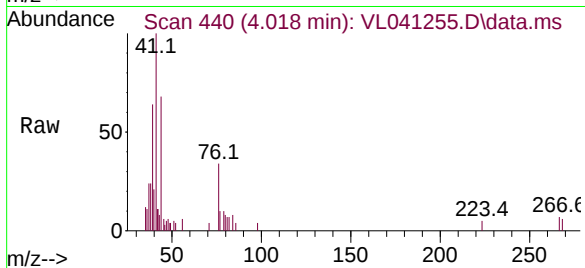
Tgt Ion: 41 Resp: 5896

Ion Ratio Lower Upper

41 100

76 29.1 23.7 35.5

39 131.9 64.7 97.1#



#22

trans-1,2-Dichloroethene

Concen: 0.058 ppbv

RT: 4.465 min Scan# 579

Delta R.T. 0.003 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

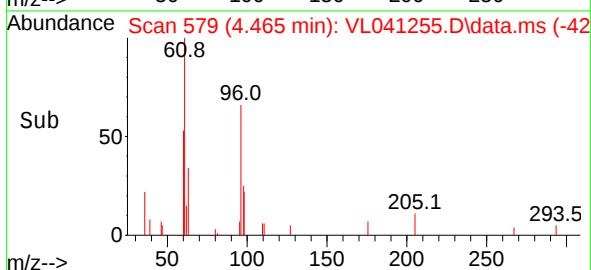
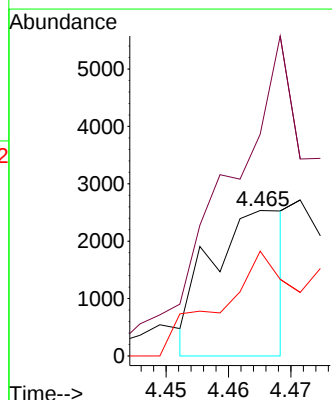
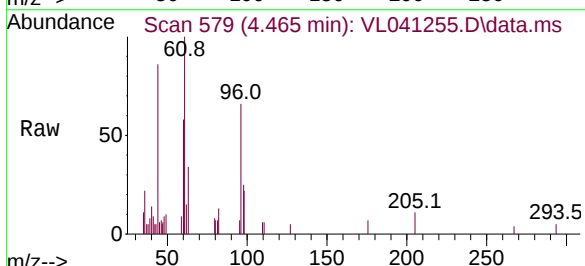
Tgt Ion: 96 Resp: 2089

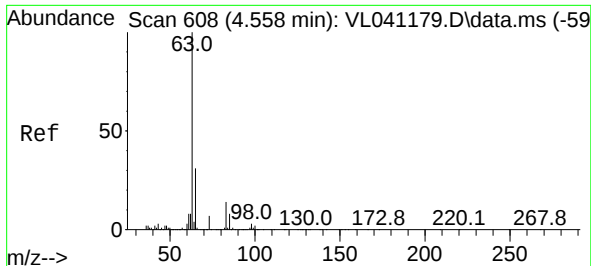
Ion Ratio Lower Upper

96 100

61 128.1 137.6 206.4#

98 53.1 50.6 76.0





#24

1,1-Dichloroethane

Concen: 0.083 ppbv

RT: 4.584 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

ClientSampleId :

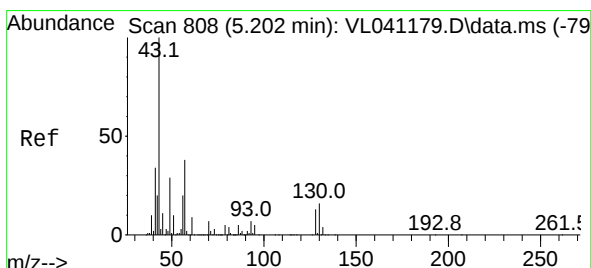
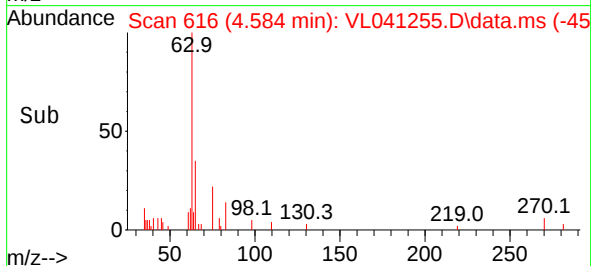
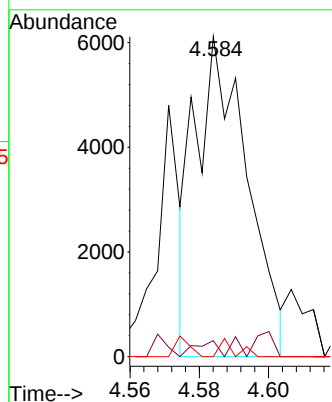
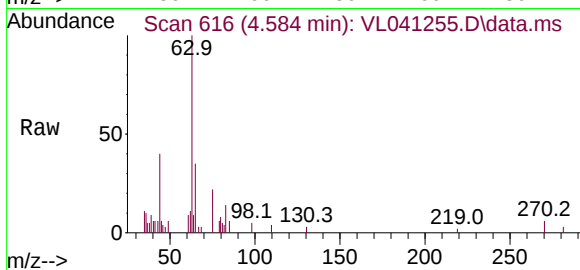
Tgt Ion: 63 Resp: 6353

Ion Ratio Lower Upper

63 100

98 5.9 1.6 4.8#

100 0.0 1.1 3.5#



#25

Ethyl Acetate

Concen: 0.047 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.016 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Tgt Ion: 43 Resp: 8335

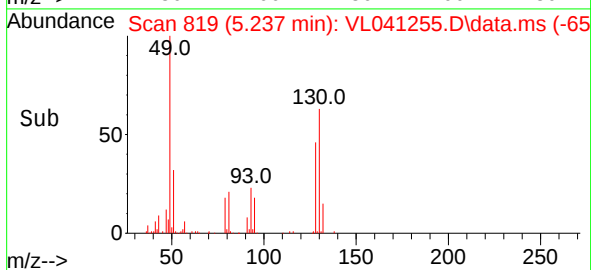
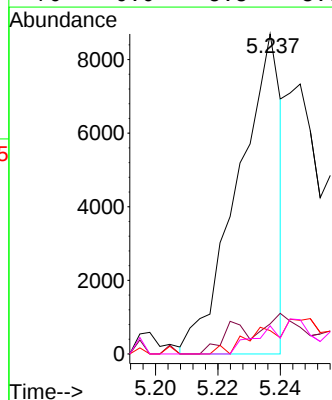
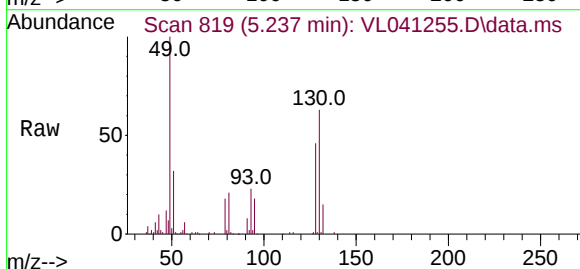
Ion Ratio Lower Upper

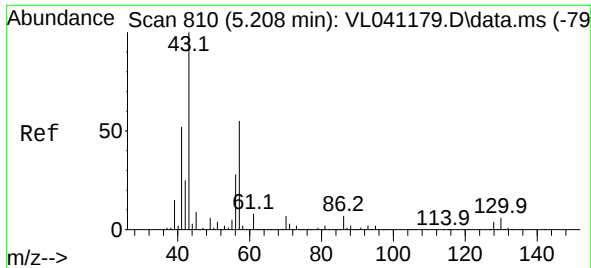
43 100

45 26.8 8.2 12.2#

61 0.0 7.7 11.5#

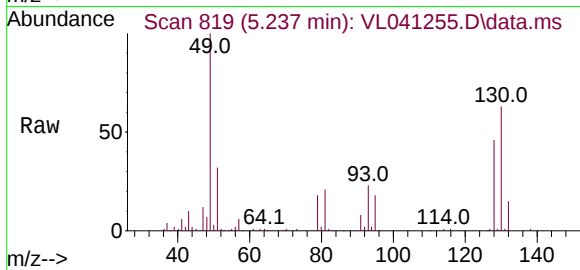
70 0.0 5.8 8.6#





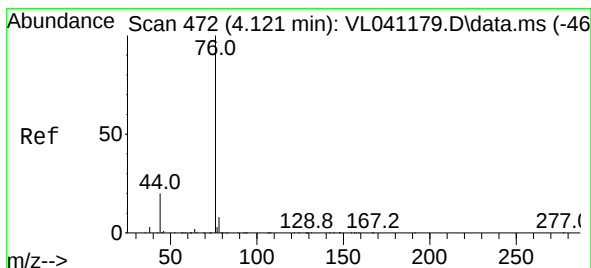
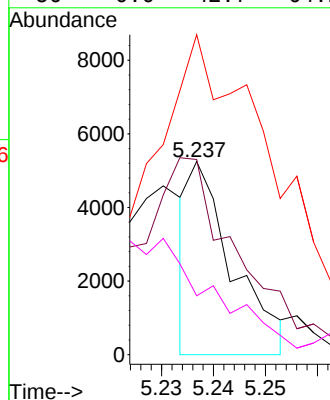
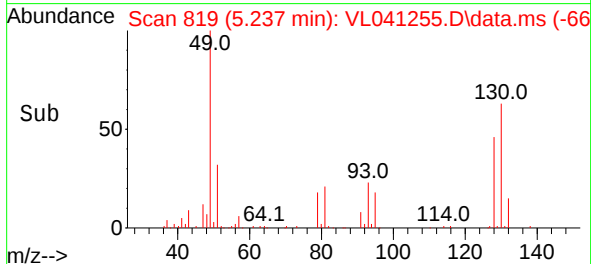
#26
Hexane
Concen: 0.038 ppbv
RT: 5.237 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL041255.D
Acq: 9 May 2024 12:45

Instrument :
MSVOA_L
ClientSampleId :

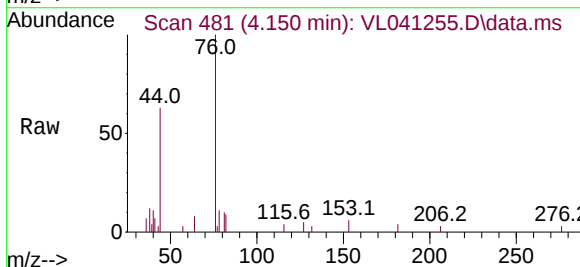


Tgt Ion: 57 Resp: 3043

Ion	Ratio	Lower	Upper
57	100		
41	277.1	75.8	113.8#
43	630.9	187.0	280.4#
56	0.0	42.7	64.1#

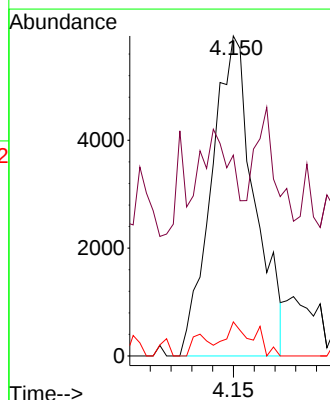
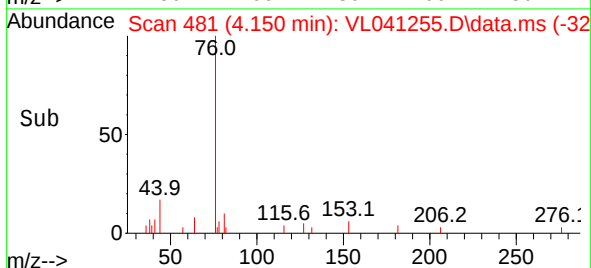


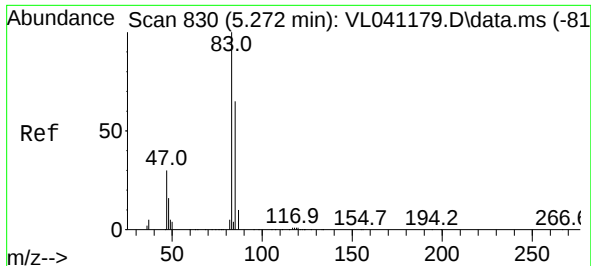
#27
Carbon Disulfide
Concen: 0.091 ppbv
RT: 4.150 min Scan# 481
Delta R.T. 0.010 min
Lab File: VL041255.D
Acq: 9 May 2024 12:45



Tgt Ion: 76 Resp: 8551

Ion	Ratio	Lower	Upper
76	100		
44	0.0	16.3	24.5#
78	9.6	7.3	10.9





#29

Chloroform

Concen: 0.102 ppbv

RT: 5.291 min Scan# 830

Delta R.T. 0.003 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

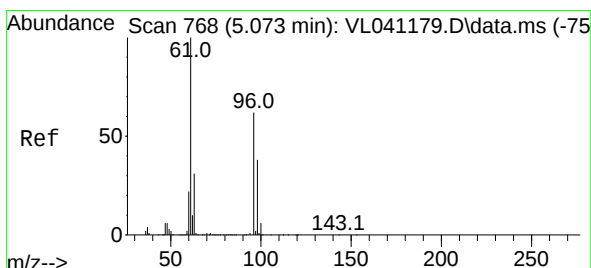
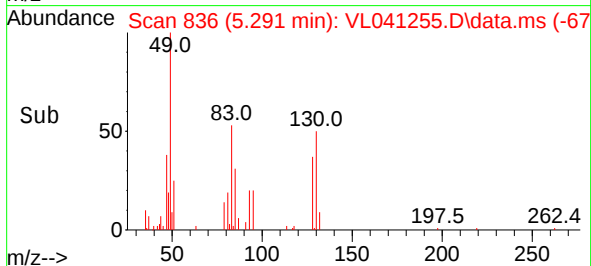
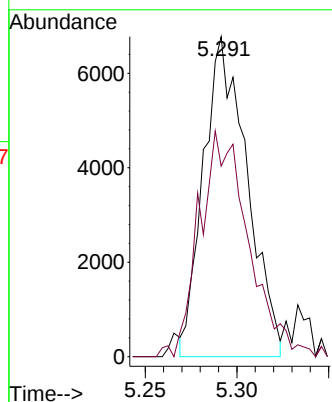
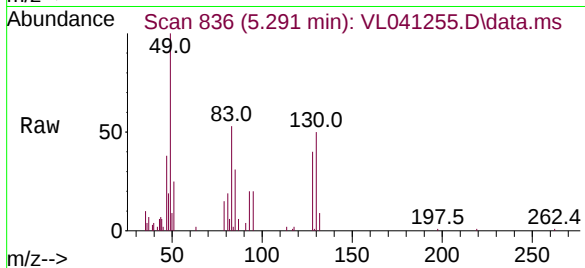
ClientSampleId :

Tgt Ion: 83 Resp: 11177

Ion Ratio Lower Upper

83 100

85 54.7 51.7 77.5



#31

cis-1,2-Dichloroethene

Concen: 0.045 ppbv

RT: 5.105 min Scan# 778

Delta R.T. 0.010 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

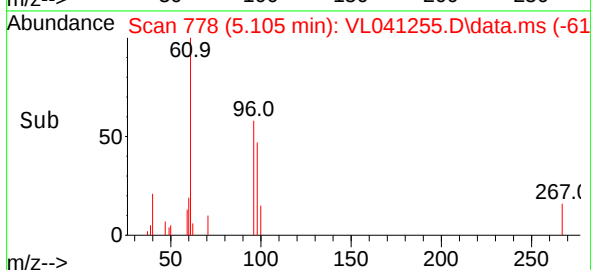
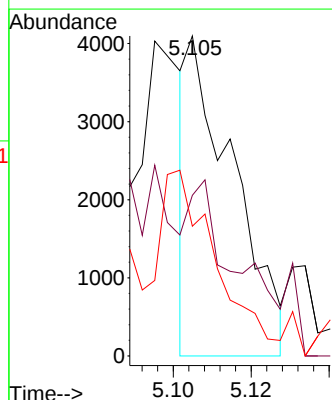
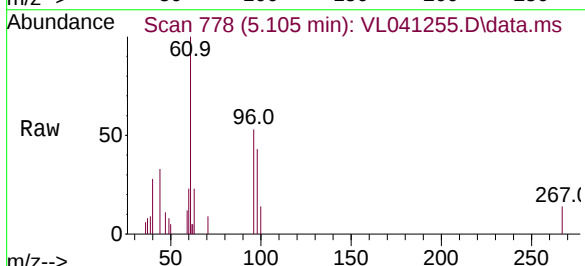
Tgt Ion: 61 Resp: 3385

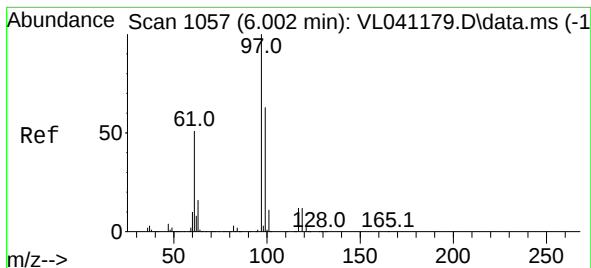
Ion Ratio Lower Upper

61 100

96 42.1 49.8 74.6#

98 42.3 30.0 45.0





#32

1,1,1-Trichloroethane

Concen: 0.045 ppbv

RT: 6.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

ClientSampleId :

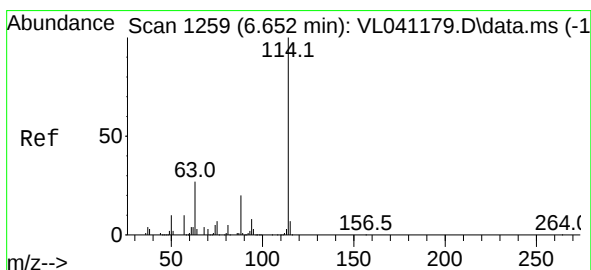
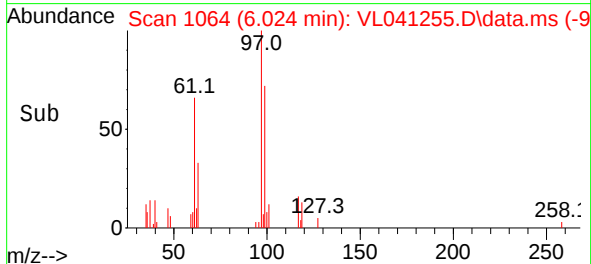
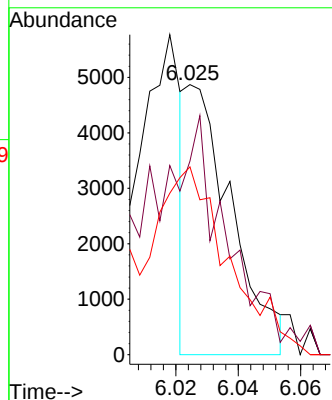
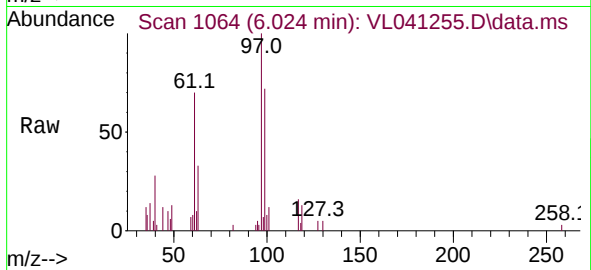
Tgt Ion: 97 Resp: 4894

Ion Ratio Lower Upper

97 100

99 161.5 51.7 77.5#

61 141.3 41.1 61.7#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 1265

Delta R.T. 0.003 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

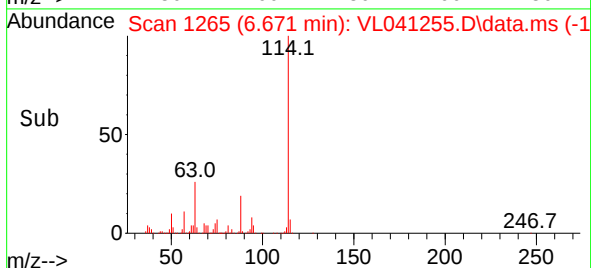
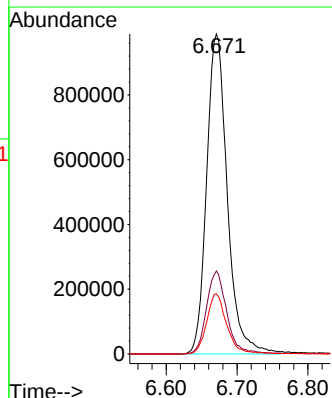
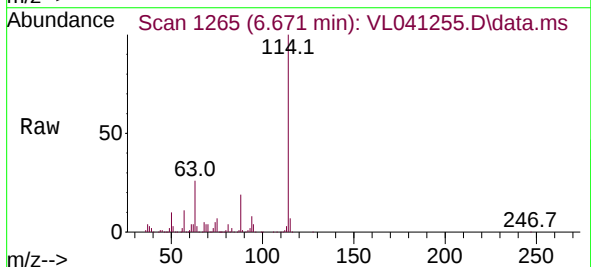
Tgt Ion:114 Resp: 2003593

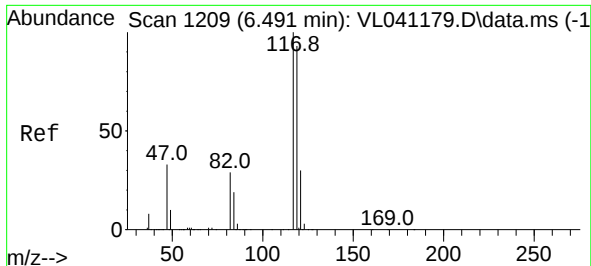
Ion Ratio Lower Upper

114 100

63 25.7 21.8 32.6

88 18.4 15.2 22.8

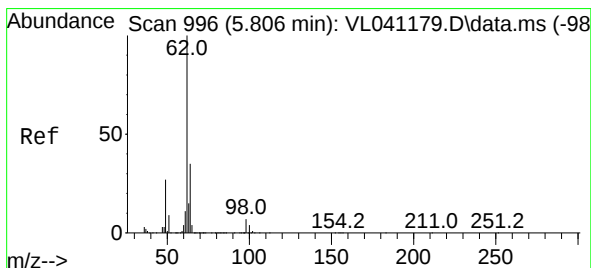
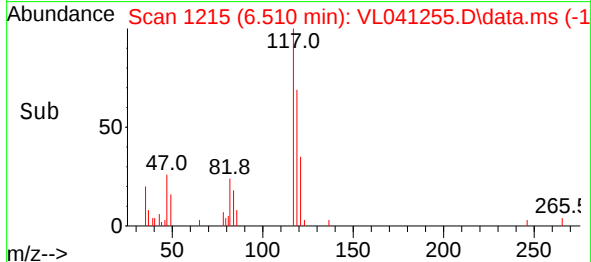
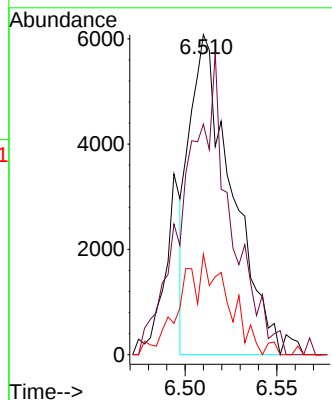
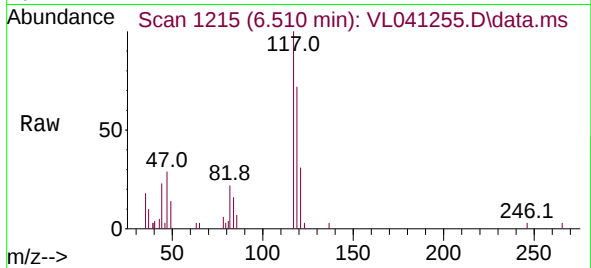




#35
Carbon Tetrachloride
Concen: 0.087 ppbv
RT: 6.510 min Scan# 117
Delta R.T. -0.000 min
Lab File: VL041255.D
Acq: 9 May 2024 12:45

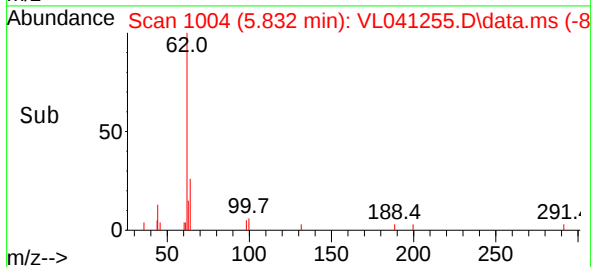
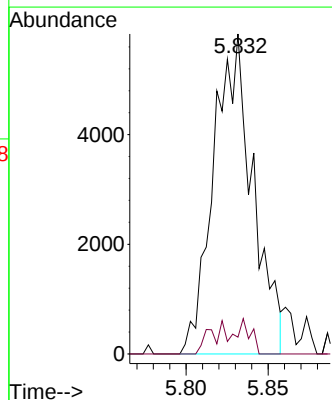
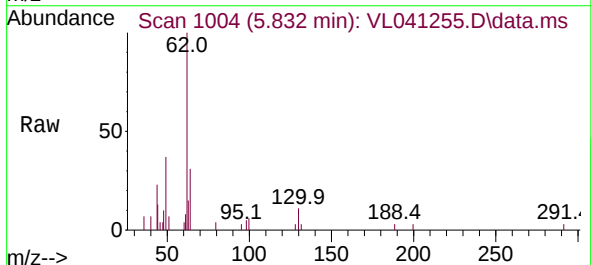
Instrument :
MSVOA_L
ClientSampleId :

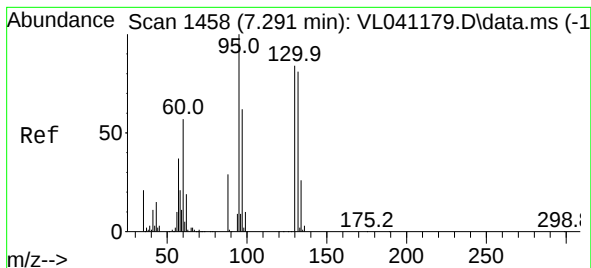
Tgt Ion:117 Resp: 9765
Ion Ratio Lower Upper
117 100
119 64.5 74.3 111.5#
121 31.4 23.8 35.8



#37
1,2-Dichloroethane
Concen: 0.111 ppbv
RT: 5.832 min Scan# 1004
Delta R.T. 0.010 min
Lab File: VL041255.D
Acq: 9 May 2024 12:45

Tgt Ion: 62 Resp: 9715
Ion Ratio Lower Upper
62 100
98 8.2 5.0 7.4#





#38

Trichloroethene

Concen: 0.043 ppbv

RT: 7.314 min Scan# 1458

Delta R.T. 0.006 min

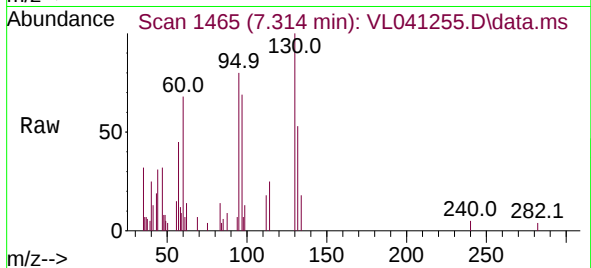
Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:130 Resp: 2716

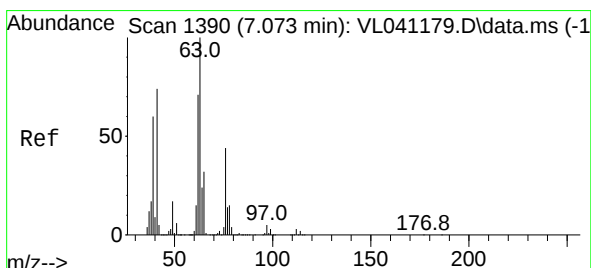
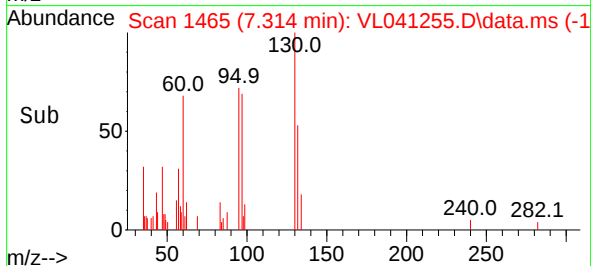
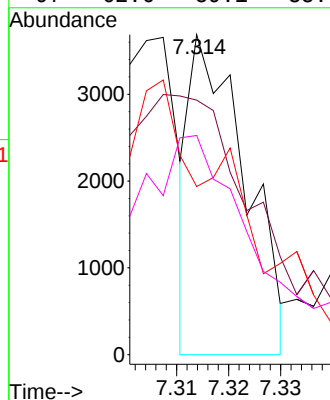
Ion Ratio Lower Upper

130 100

95 58.2 95.0 142.6#

132 28.7 77.0 115.4#

97 62.6 59.1 88.7



#39

1,2-Dichloropropane

Concen: 7.666 ppbv

RT: 6.671 min Scan# 1265

Delta R.T. -0.418 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

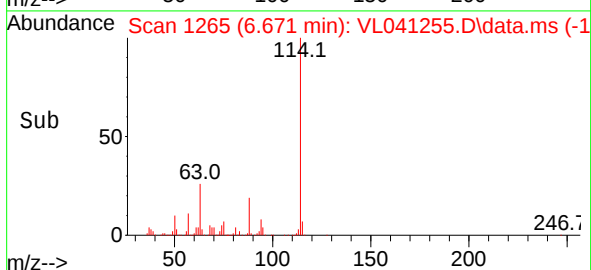
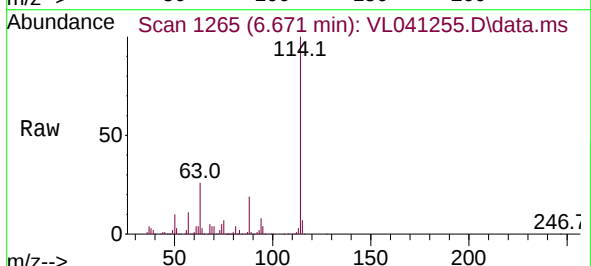
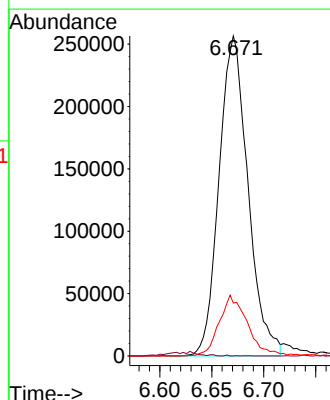
Tgt Ion: 63 Resp: 496713

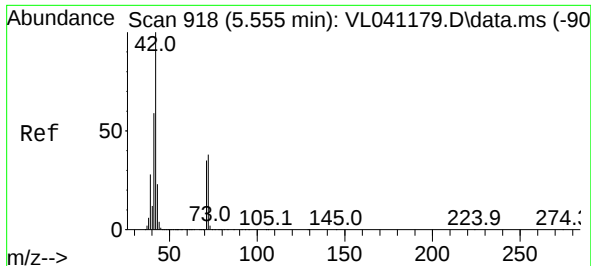
Ion Ratio Lower Upper

63 100

41 0.0 59.4 89.0#

62 16.5 56.8 85.2#





#41

Tetrahydrofuran

Concen: 0.039 ppbv

RT: 5.613 min Scan# 918

Delta R.T. 0.042 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

ClientSampleId :

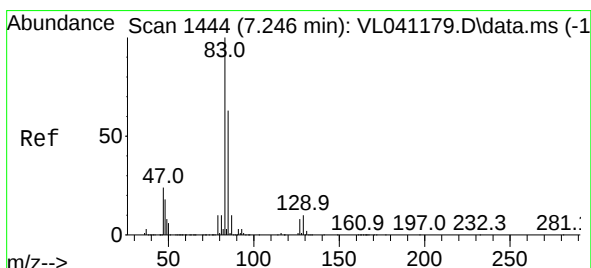
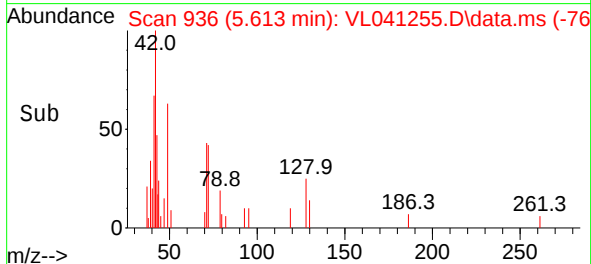
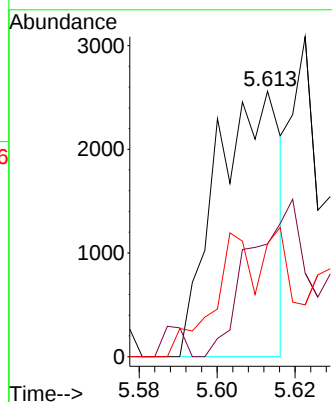
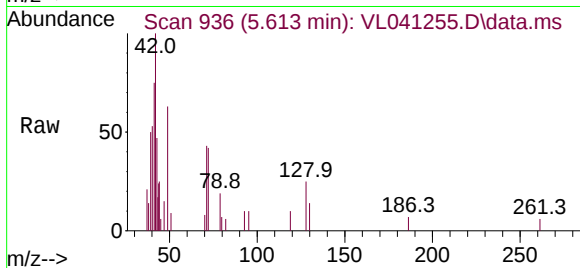
Tgt Ion: 42 Resp: 2883

Ion Ratio Lower Upper

42 100

72 0.0 29.4 44.0#

71 0.0 29.1 43.7#



#42

Bromodichloromethane

Concen: 0.059 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. 0.003 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

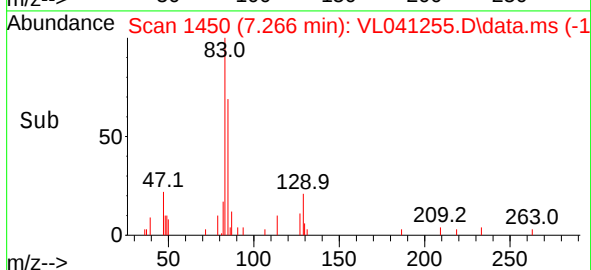
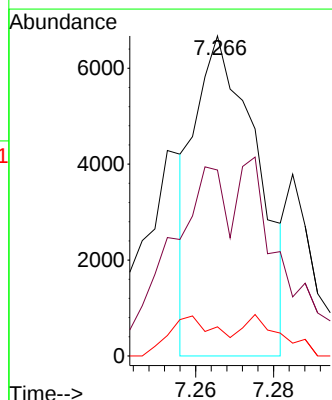
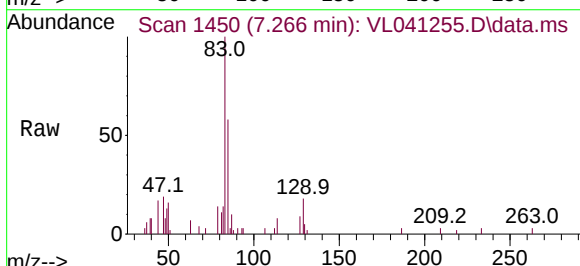
Tgt Ion: 83 Resp: 7393

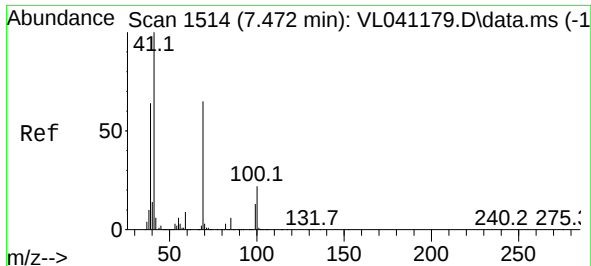
Ion Ratio Lower Upper

83 100

85 43.5 50.6 75.8#

127 3.3 6.2 9.4#





#43

Methyl Methacrylate

Concen: 0.057 ppbv

RT: 7.497 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

ClientSampleId :

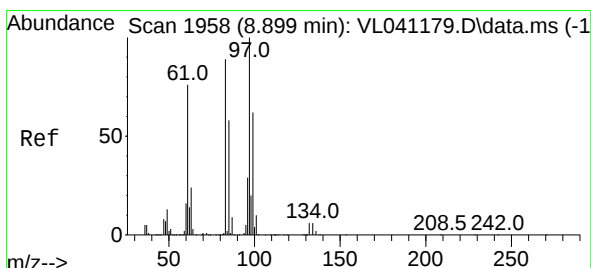
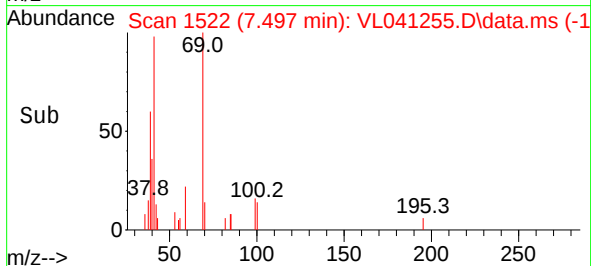
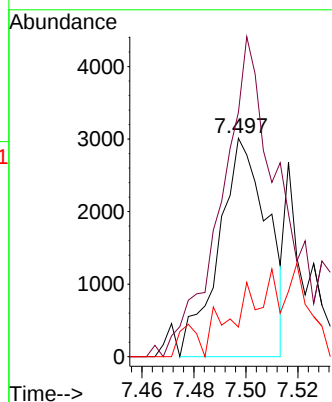
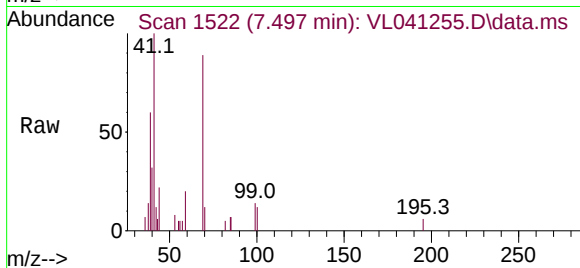
Tgt Ion: 69 Resp: 3906

Ion Ratio Lower Upper

69 100

41 205.9 125.2 187.8#

100 0.0 26.7 40.1#



#47

1,1,2-Trichloroethane

Concen: 0.089 ppbv

RT: 8.915 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Tgt Ion: 97 Resp: 5768

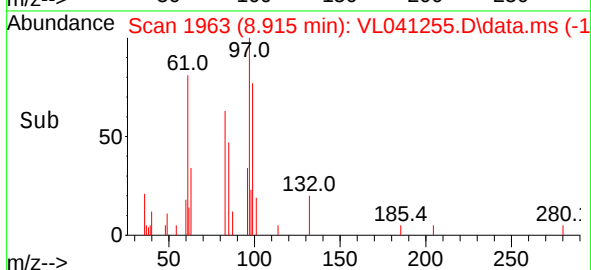
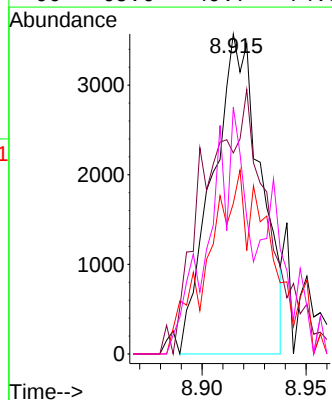
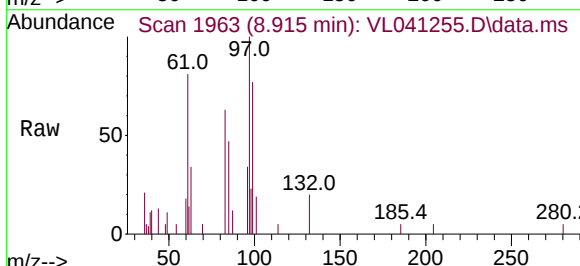
Ion Ratio Lower Upper

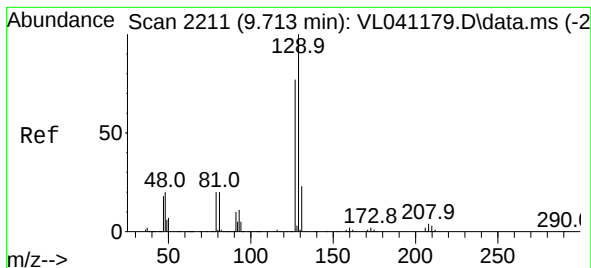
97 100

83 48.2 71.2 106.8#

85 30.5 46.0 69.0#

99 65.6 49.7 74.5





#48

Dibromochloromethane

Concen: 0.031 ppbv

RT: 9.735 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

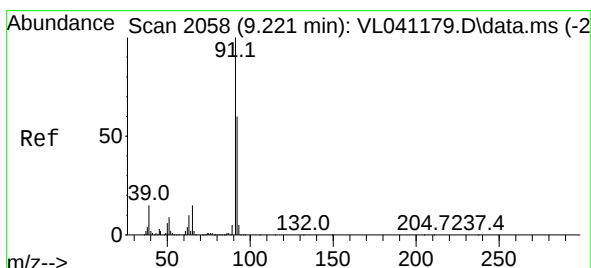
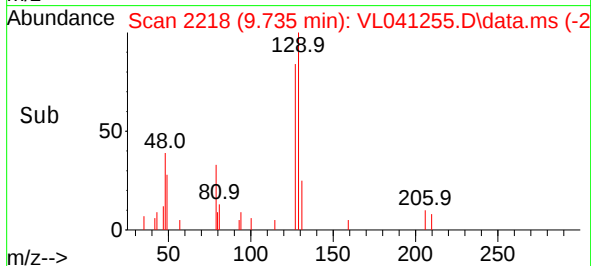
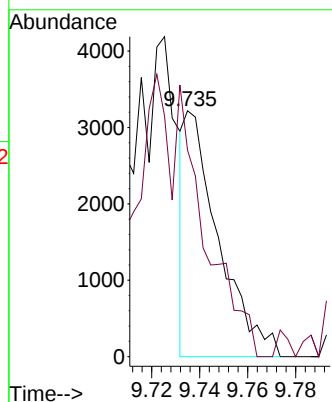
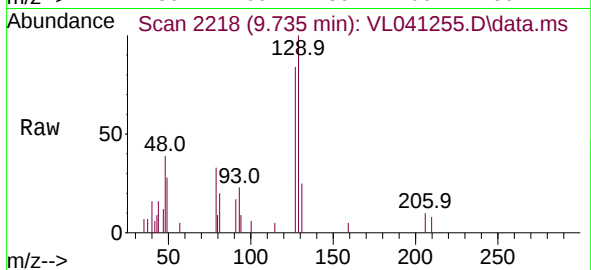
ClientSampleId :

Tgt Ion:129 Resp: 3152

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.5#



#53

Toluene

Concen: 0.048 ppbv

RT: 9.237 min Scan# 2063

Delta R.T. 0.003 min

Lab File: VL041255.D

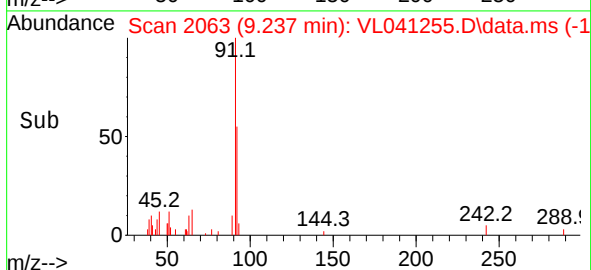
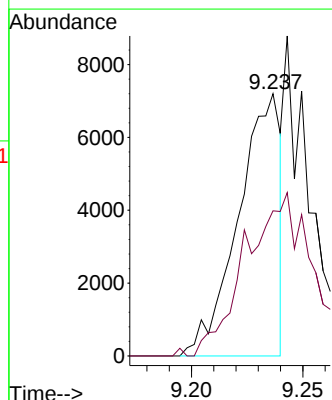
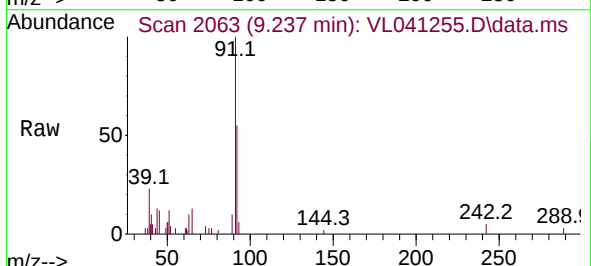
Acq: 9 May 2024 12:45

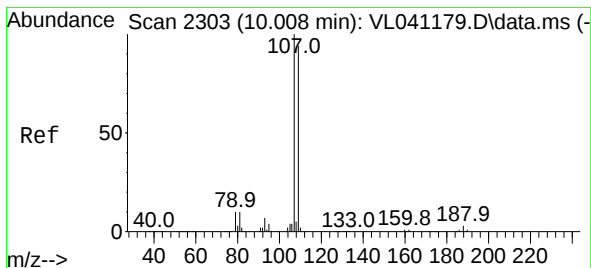
Tgt Ion: 91 Resp: 9454

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.4#





#54

1,2-Dibromoethane

Concen: 0.052 ppbv

RT: 10.031 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

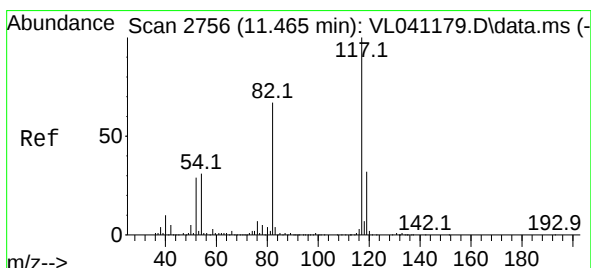
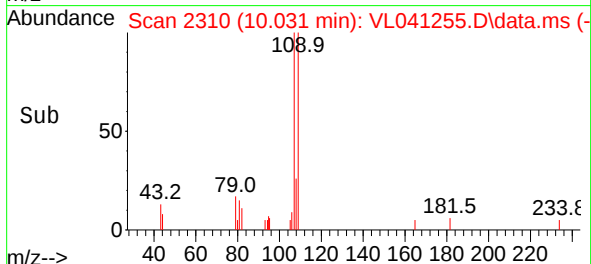
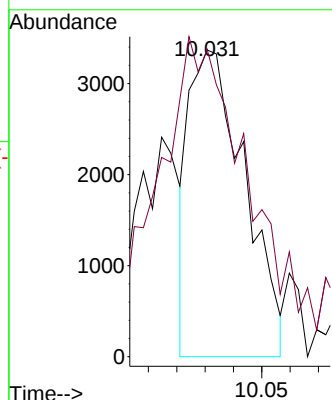
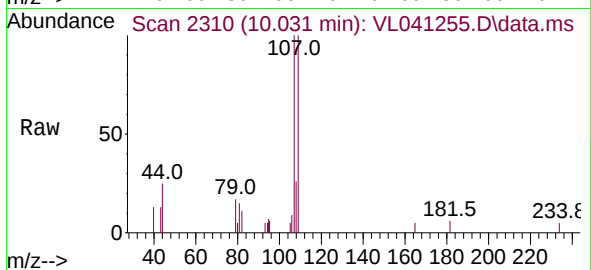
ClientSampleId :

Tgt Ion:107 Resp: 4606

Ion Ratio Lower Upper

107 100

109 92.1 75.2 112.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 2761

Delta R.T. -0.000 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

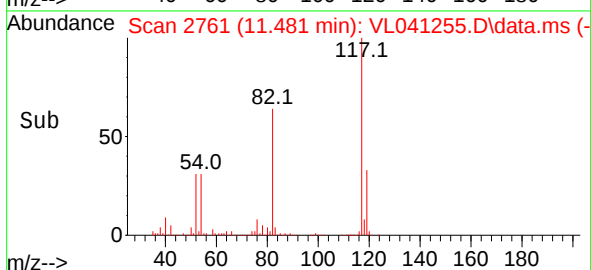
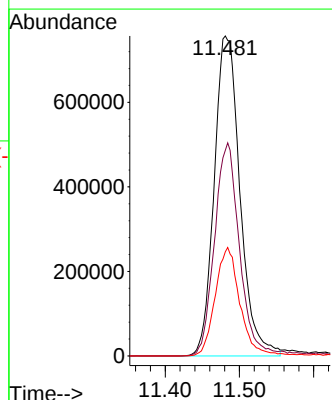
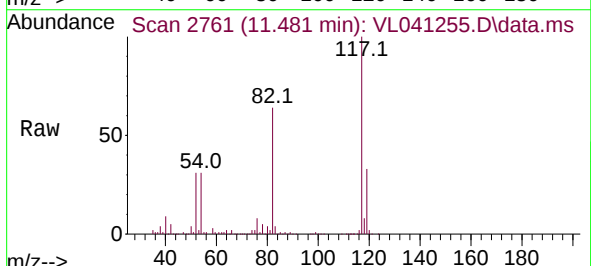
Tgt Ion:117 Resp: 1830382

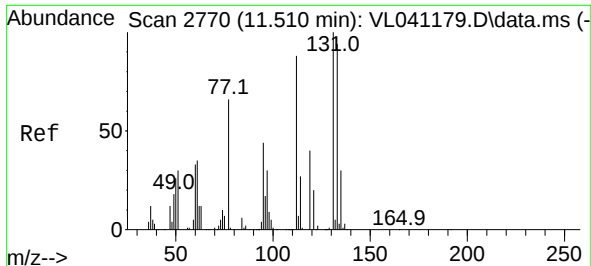
Ion Ratio Lower Upper

117 100

82 66.3 53.6 80.4

119 32.9 27.2 40.8





#56

1,1,1,2-Tetrachloroethane

Concen: 0.084 ppbv

RT: 11.523 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041255.D

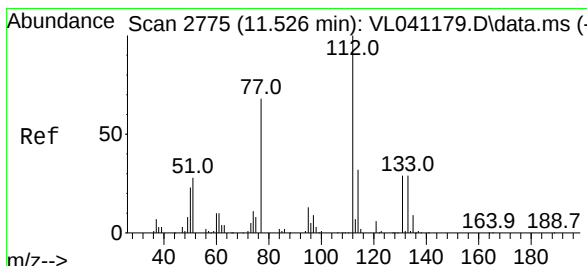
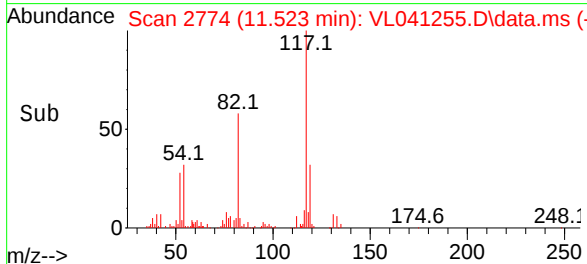
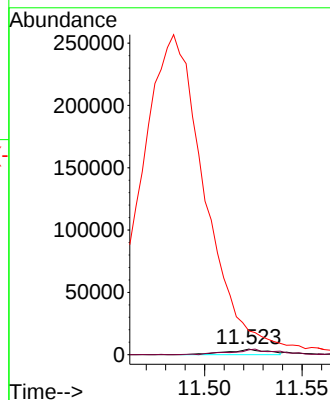
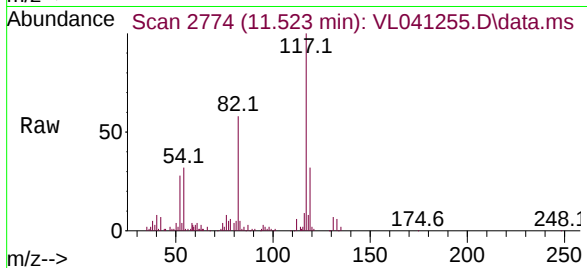
Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:131 Resp: 6225
 Ion Ratio Lower Upper
 131 100
 133 126.5 76.3 114.5#
 119 9674.5 49.4 74.2#



#57

Chlorobenzene

Concen: 0.114 ppbv

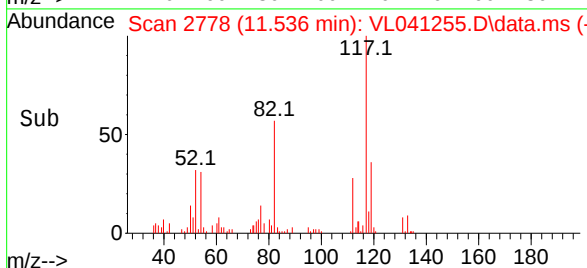
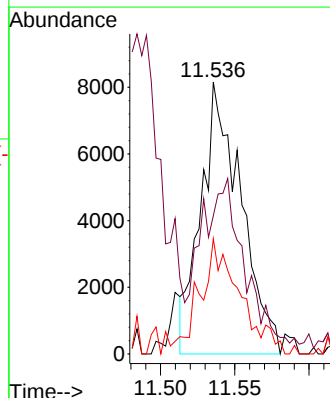
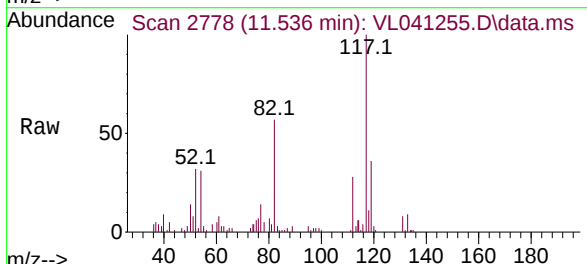
RT: 11.536 min Scan# 2778

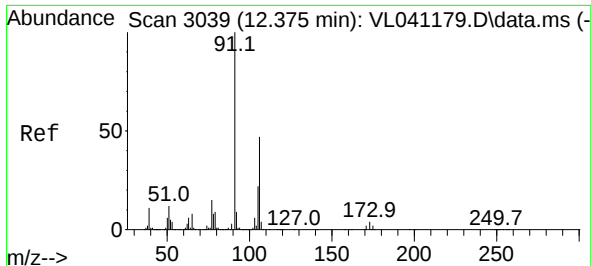
Delta R.T. -0.006 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Tgt Ion:112 Resp: 15274
 Ion Ratio Lower Upper
 112 100
 77 44.7 54.9 82.3#
 114 37.5 28.7 35.1#





#59

m/p-Xylene

Concen: 0.038 ppbv

RT: 12.391 min Scan# 3044

Delta R.T. 0.006 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

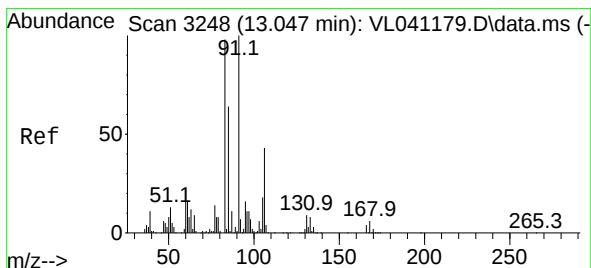
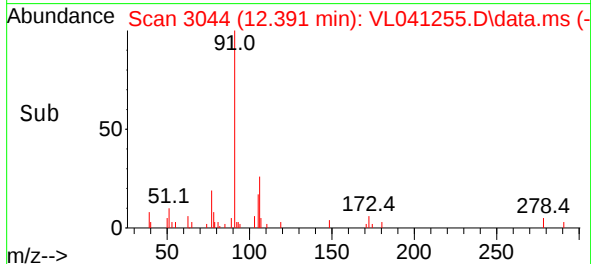
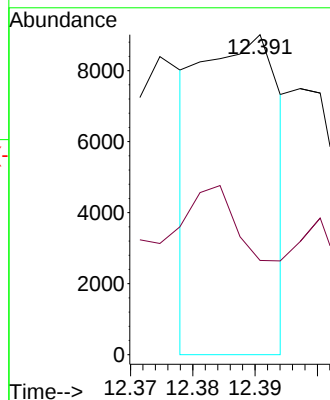
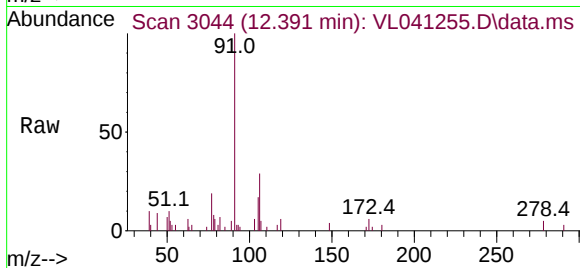
ClientSampleId :

Tgt Ion: 91 Resp: 7988

Ion Ratio Lower Upper

91 100

106 192.0 35.7 53.5#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.038 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.003 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

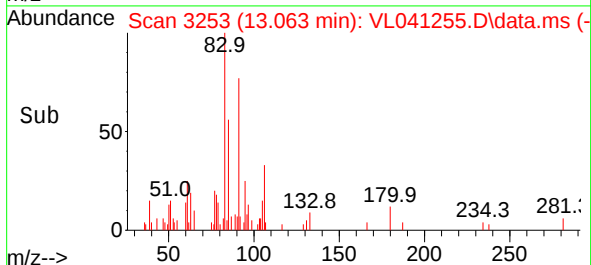
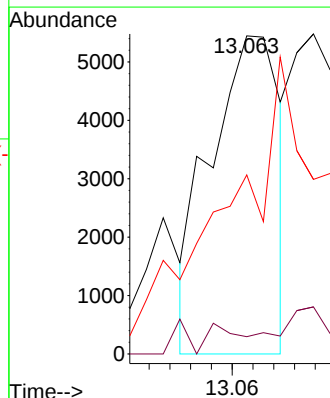
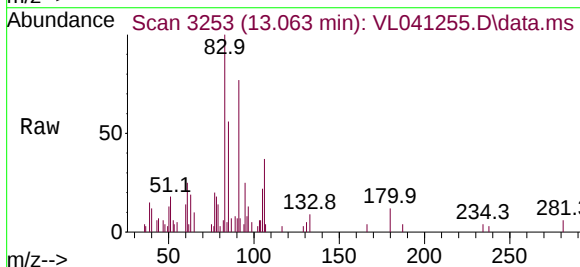
Tgt Ion: 83 Resp: 5061

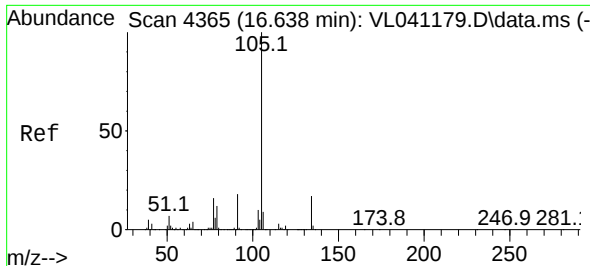
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 0.0 32.7 98.1#





#67

sec-Butylbenzene

Concen: 0.058 ppbv

RT: 16.657 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

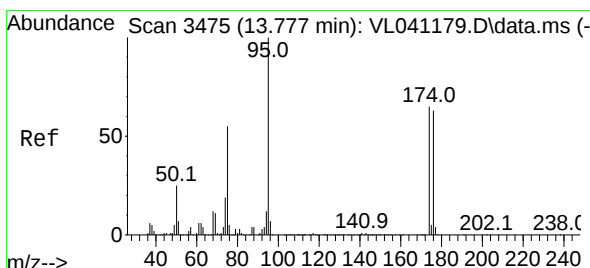
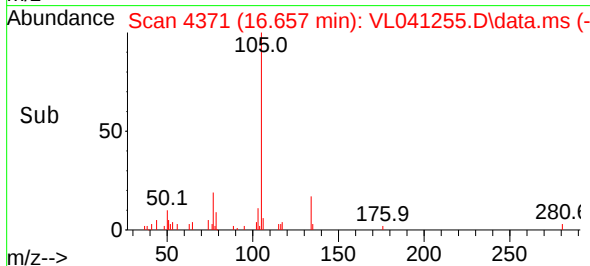
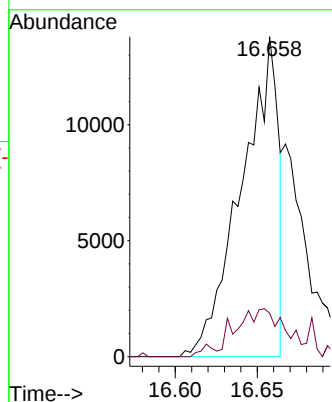
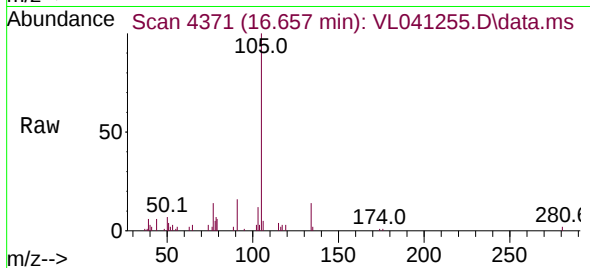
ClientSampleId :

Tgt Ion:105 Resp: 21465

Ion Ratio Lower Upper

105 100

134 24.5 13.8 20.8#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.185 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.006 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

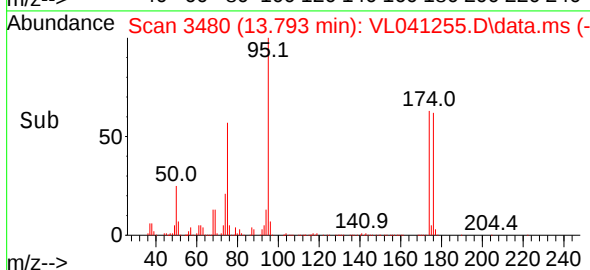
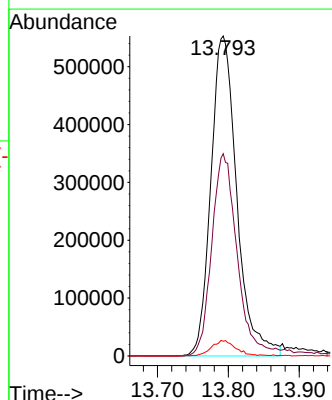
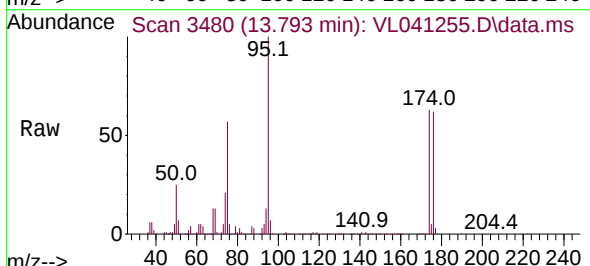
Tgt Ion: 95 Resp: 1407371

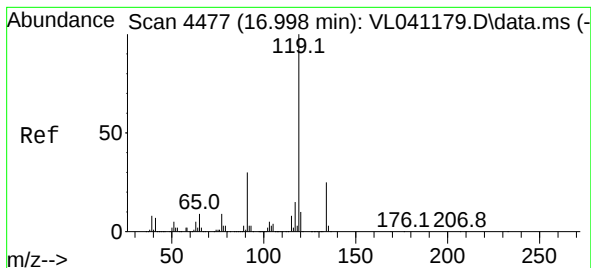
Ion Ratio Lower Upper

95 100

174 63.8 53.6 80.4

175 4.8 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.036 ppbv

RT: 17.011 min Scan# 4477

Delta R.T. 0.003 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

ClientSampleId :

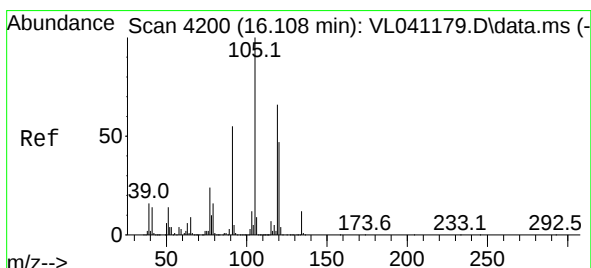
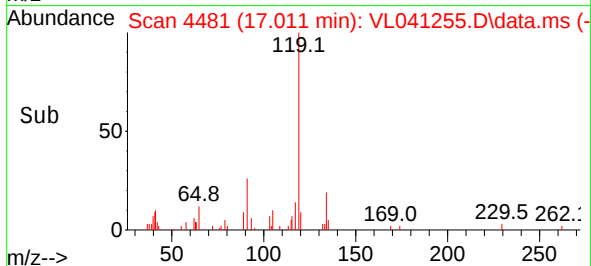
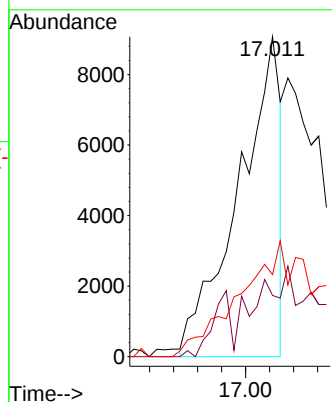
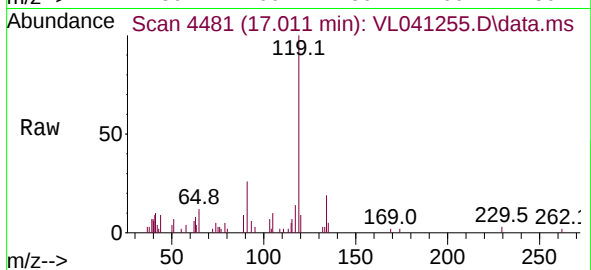
Tgt Ion:119 Resp: 11047

Ion Ratio Lower Upper

119 100

134 0.0 20.1 30.1#

91 0.0 24.2 36.2#



#74

1,2,4-Trimethylbenzene

Concen: 0.069 ppbv

RT: 16.127 min Scan# 4206

Delta R.T. 0.006 min

Lab File: VL041255.D

Acq: 9 May 2024 12:45

Tgt Ion:105 Resp: 15186

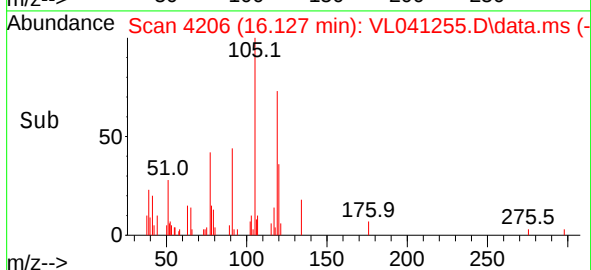
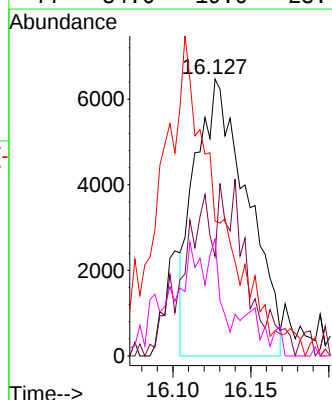
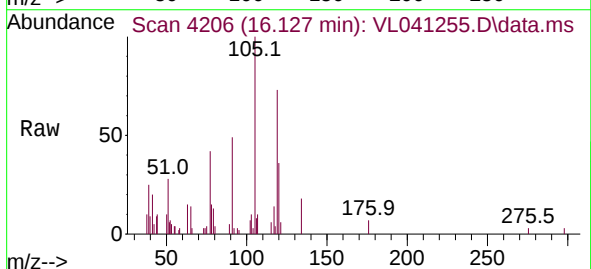
Ion Ratio Lower Upper

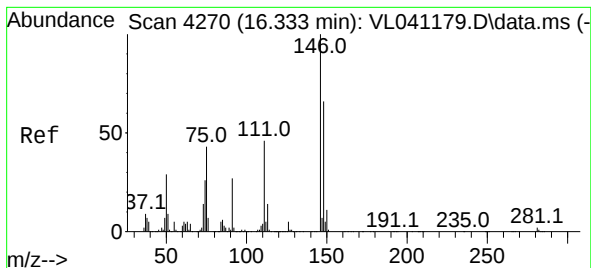
105 100

120 29.2 37.8 56.6#

91 44.8 44.3 66.5

77 34.6 19.0 28.4#





#75

1,3-Dichlorobenzene

Concen: 0.033 ppbv

RT: 16.346 min Scan# 41

Delta R.T. 0.003 min

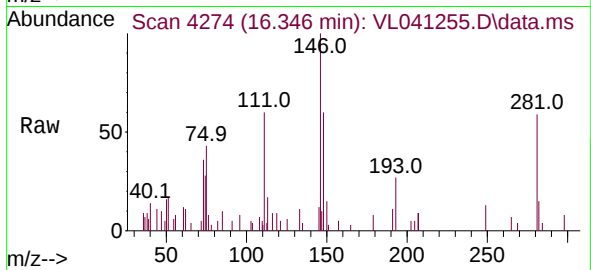
Lab File: VL041255.D

Acq: 9 May 2024 12:45

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:146 Resp: 4158

Ion Ratio Lower Upper

146 100

111 190.0 23.7 71.1#

148 0.0 32.5 97.4#

