

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041793.D
 Acq On : 18 Dec 2024 14:32
 Operator : SY/MD
 Sample : MDL 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

Quant Time: Dec 19 07:54:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

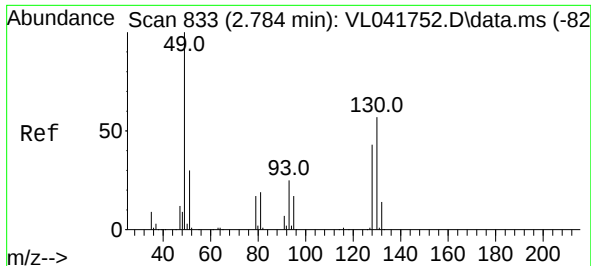
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.794	49	71413	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	172191	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.895	117	147870	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	124302	10.088	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	443	0.035	ppbv #	87
3) Chlorodifluoromethane	1.479	51	433	0.037	ppbv	94
4) Chloromethane	1.535	50	211	0.042	ppbv #	77
5) Vinyl Chloride	1.583	62	225	0.045	ppbv #	87
6) Bromomethane	1.674	94	156	0.066	ppbv #	3
8) Dichlorotetrafluoroethane	1.557	85	459	0.040	ppbv #	77
9) Propene	1.602	41	303	0.060	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.146	101	370	0.036	ppbv #	79
13) Ethanol	1.719	45	39	0.093	ppbv #	34
15) Acetone	1.842	43	1705	0.123	ppbv	95
16) 1,3-Butadiene	1.609	39	174	0.032	ppbv #	13
19) Isopropyl Alcohol	1.894	45	1601	0.192	ppbv #	43
20) Methylene Chloride	2.065	84	821	0.207	ppbv	87
39) 1,2-Dichloropropane	3.968	63	49255	7.646	ppbv #	18
66) Benzyl Chloride	11.542	91	152	0.059	ppbv #	66

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

Quant Time: Dec 19 07:54:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.794 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL041793.D

Acq: 18 Dec 2024 14:32

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

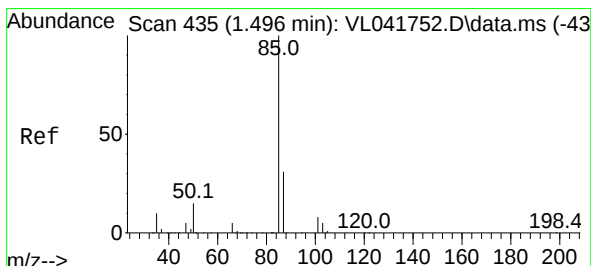
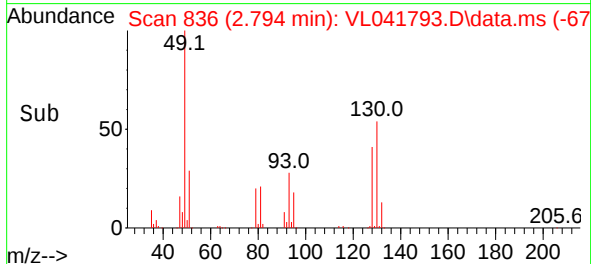
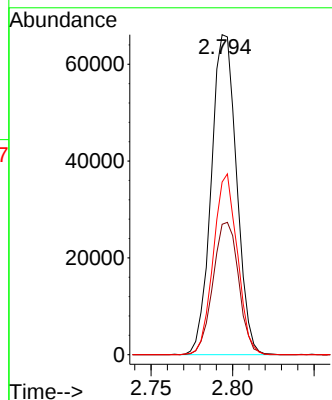
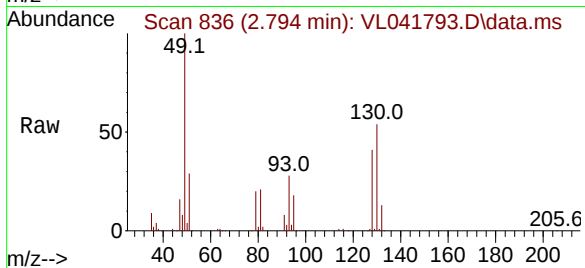
Tgt Ion: 49 Resp: 71413

Ion Ratio Lower Upper

49 100

128 42.0 21.6 64.6

130 53.4 28.3 85.0



#2

Dichlorodifluoromethane

Concen: 0.035 ppbv

RT: 1.502 min Scan# 437

Delta R.T. 0.006 min

Lab File: VL041793.D

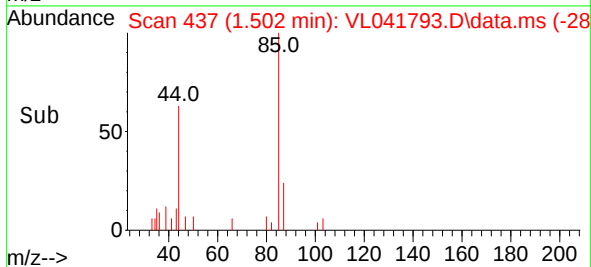
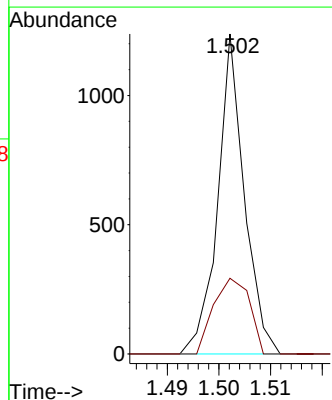
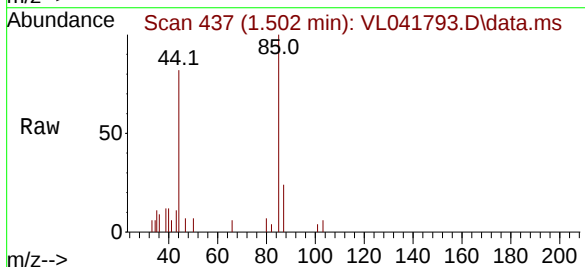
Acq: 18 Dec 2024 14:32

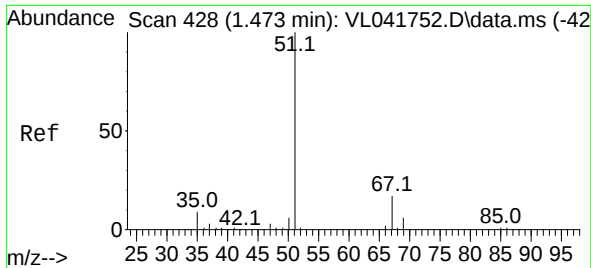
Tgt Ion: 85 Resp: 443

Ion Ratio Lower Upper

85 100

87 23.7 24.5 36.7#

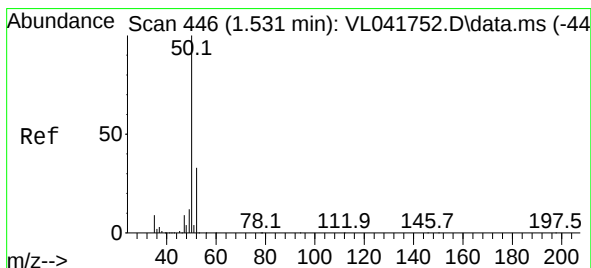
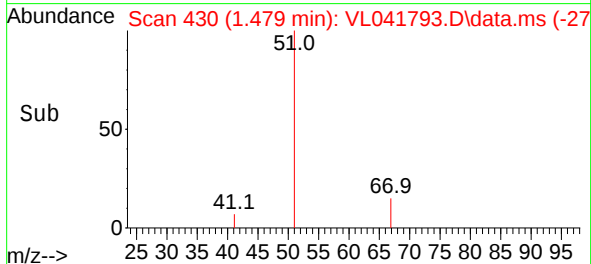
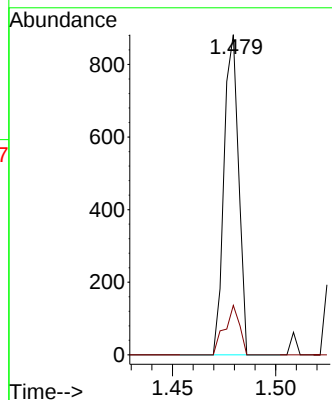
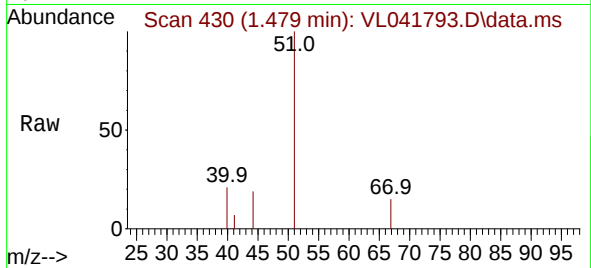




#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL041793.D
Acq: 18 Dec 2024 14:32

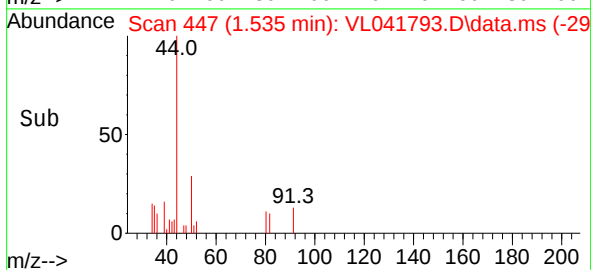
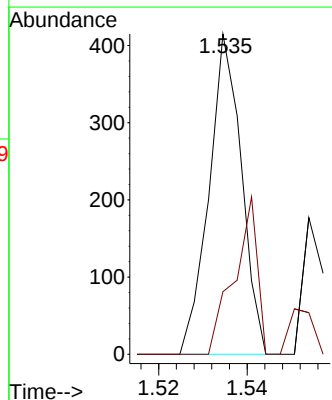
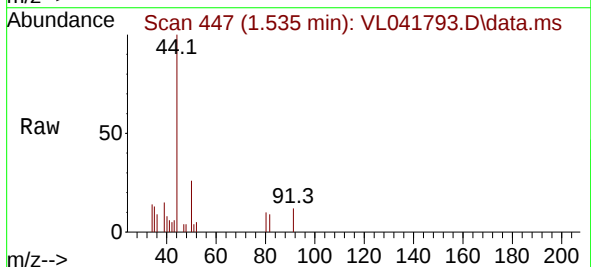
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

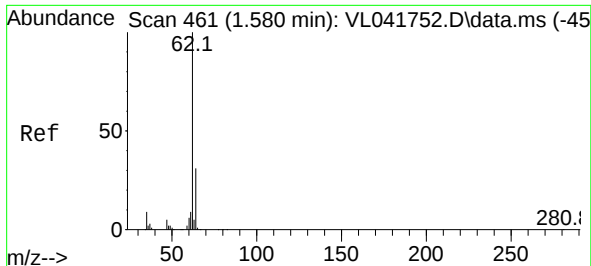
Tgt Ion: 51 Resp: 433
Ion Ratio Lower Upper
51 100
67 15.9 15.0 22.4



#4
Chloromethane
Concen: 0.042 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041793.D
Acq: 18 Dec 2024 14:32

Tgt Ion: 50 Resp: 211
Ion Ratio Lower Upper
50 100
52 19.5 26.2 39.2#

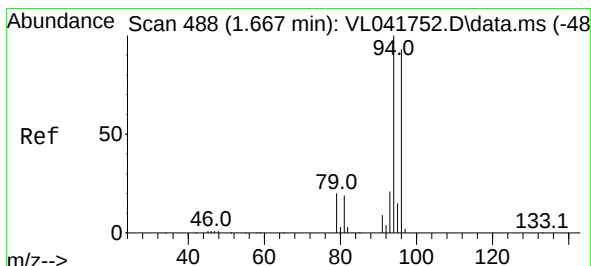
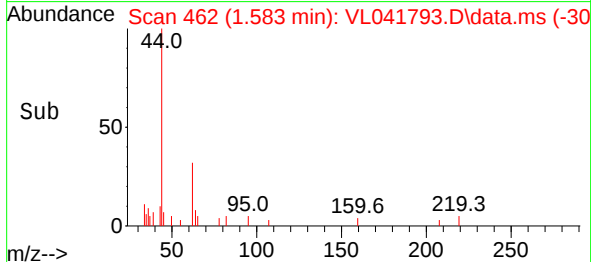
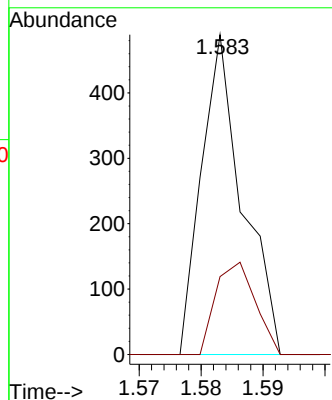
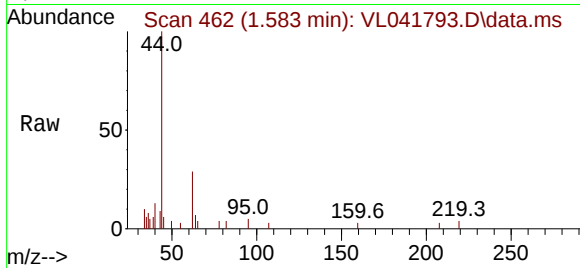




#5
 Vinyl Chloride
 Concen: 0.045 ppbv
 RT: 1.583 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VL041793.D
 Acq: 18 Dec 2024 14:32

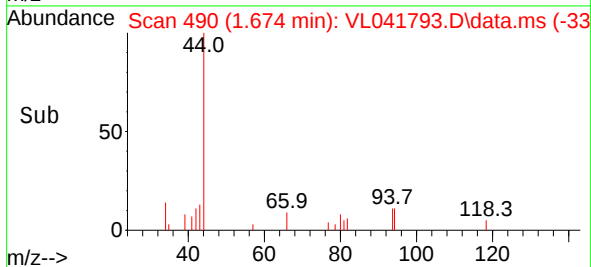
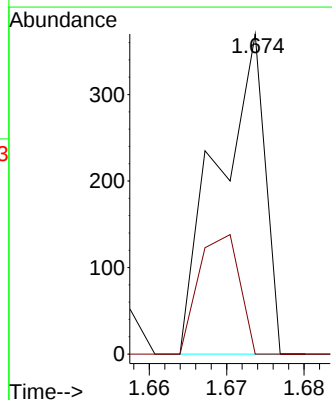
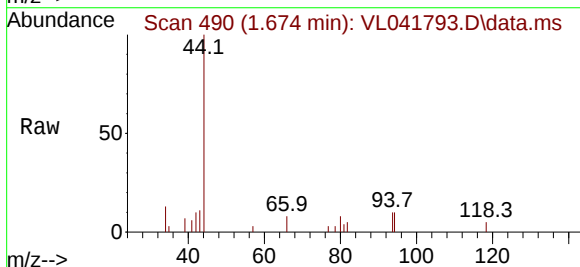
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

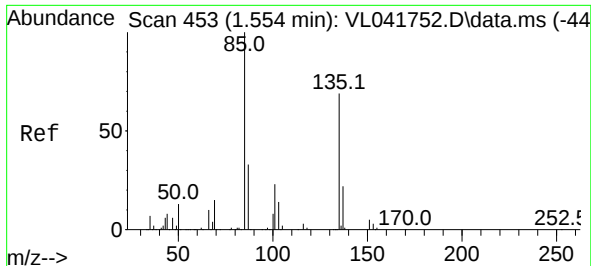
Tgt Ion: 62 Resp: 225
 Ion Ratio Lower Upper
 62 100
 64 24.3 25.1 37.7#



#6
 Bromomethane
 Concen: 0.066 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.006 min
 Lab File: VL041793.D
 Acq: 18 Dec 2024 14:32

Tgt Ion: 94 Resp: 156
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.7 112.1#

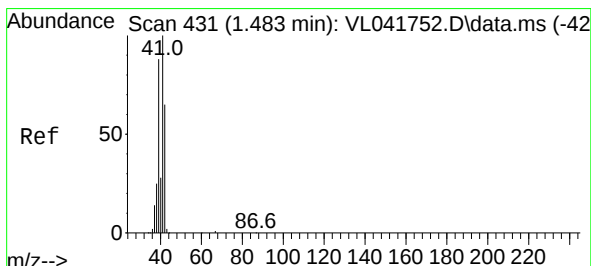
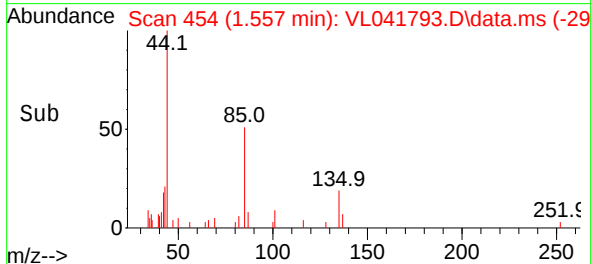
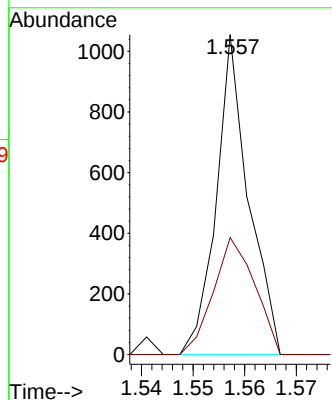
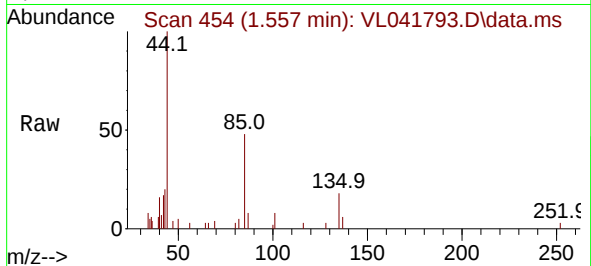




#8
Dichlorotetrafluoroethane
Concen: 0.040 ppbv
RT: 1.557 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041793.D
Acq: 18 Dec 2024 14:32

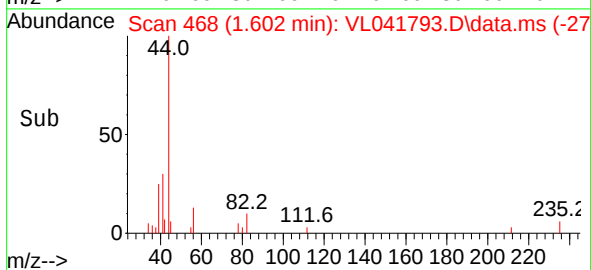
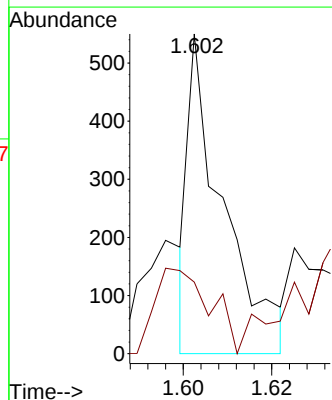
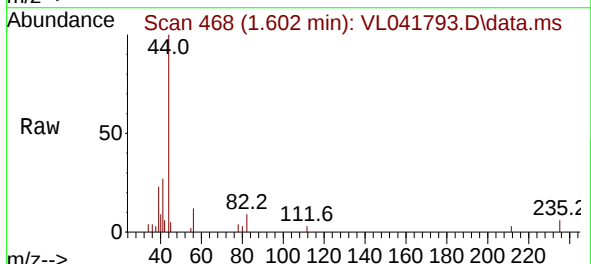
Instrument :
MSVOA_1
ClientSampleId :
MDL 0.03

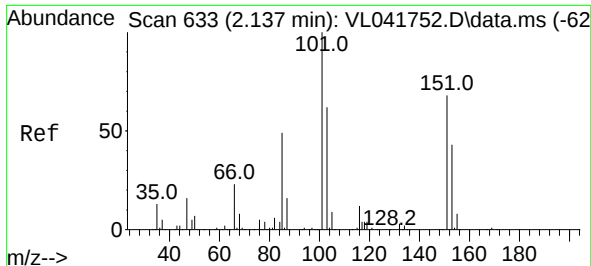
Tgt Ion: 85 Resp: 459
Ion Ratio Lower Upper
85 100
135 47.1 51.9 77.9#



#9
Propene
Concen: 0.060 ppbv
RT: 1.602 min Scan# 468
Delta R.T. 0.120 min
Lab File: VL041793.D
Acq: 18 Dec 2024 14:32

Tgt Ion: 41 Resp: 303
Ion Ratio Lower Upper
41 100
42 65.3 52.4 78.6





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.036 ppbv

RT: 2.146 min Scan# 61

Delta R.T. 0.010 min

Lab File: VL041793.D

Acq: 18 Dec 2024 14:32

Instrument :

MSVOA_L

ClientSampleId :

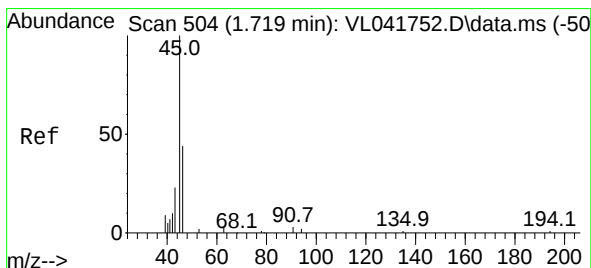
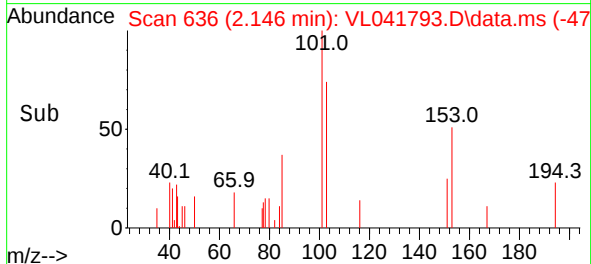
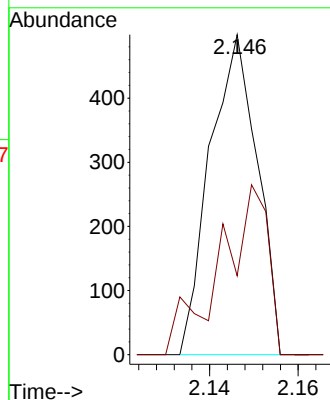
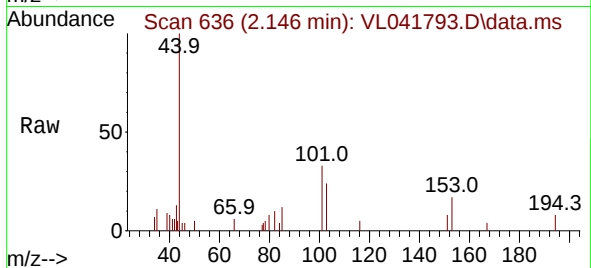
MDL 0.03

Tgt Ion:101 Resp: 370

Ion Ratio Lower Upper

101 100

151 53.5 56.8 85.2#



#13

Ethanol

Concen: 0.093 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL041793.D

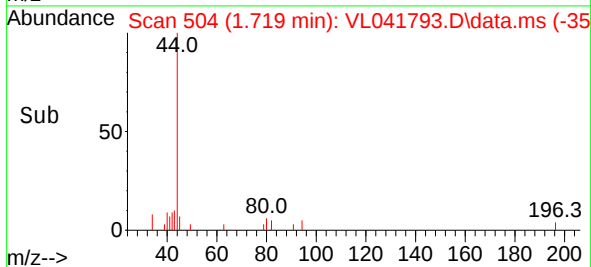
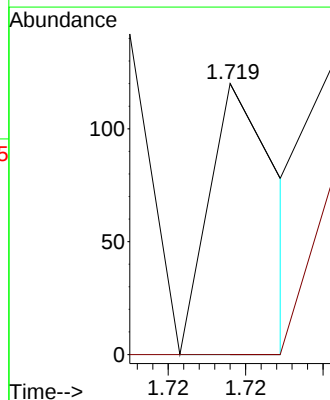
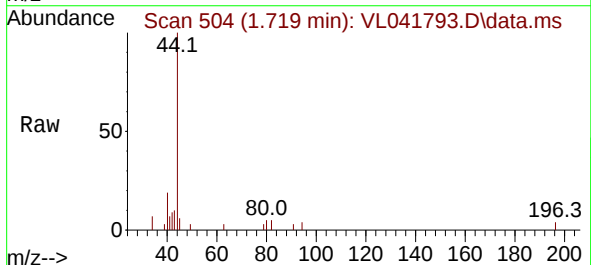
Acq: 18 Dec 2024 14:32

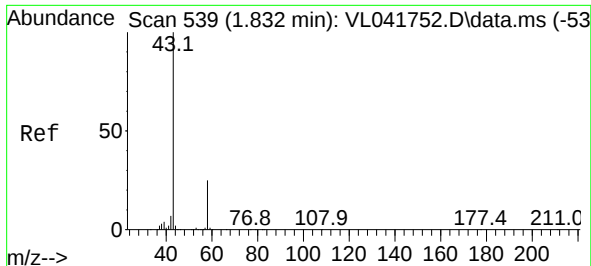
Tgt Ion: 45 Resp: 39

Ion Ratio Lower Upper

45 100

46 0.0 16.4 65.8#





#15

Acetone

Concen: 0.123 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.010 min

Lab File: VL041793.D

Acq: 18 Dec 2024 14:32

Instrument :

MSVOA_L

ClientSampleId :

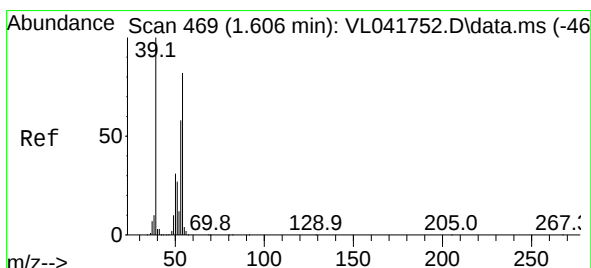
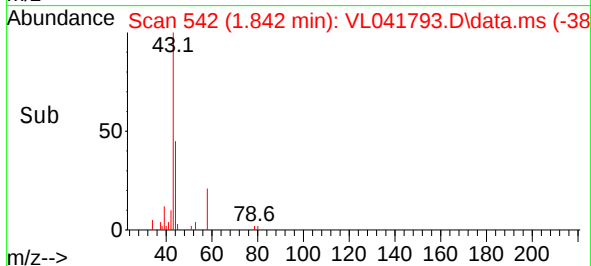
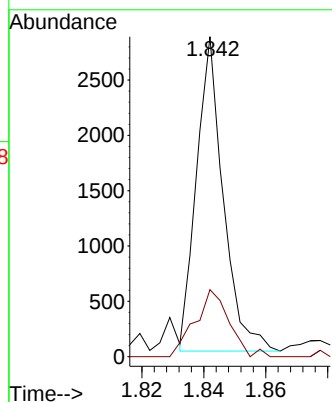
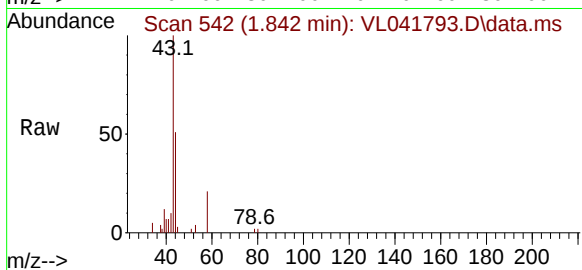
MDL 0.03

Tgt Ion: 43 Resp: 1705

Ion Ratio Lower Upper

43 100

58 27.0 19.7 29.5



#16

1,3-Butadiene

Concen: 0.032 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041793.D

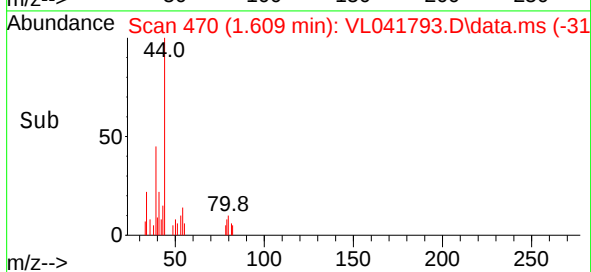
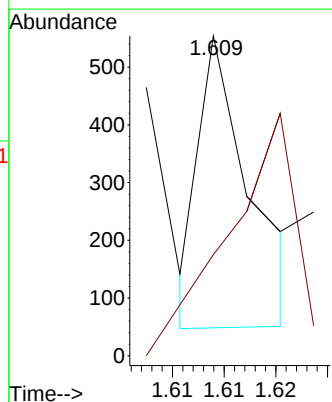
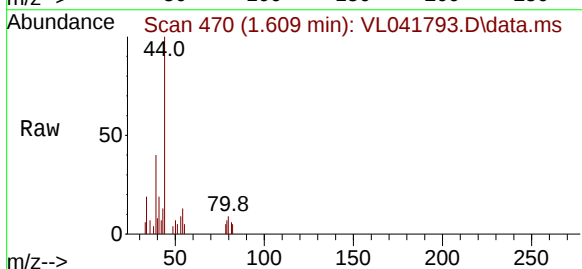
Acq: 18 Dec 2024 14:32

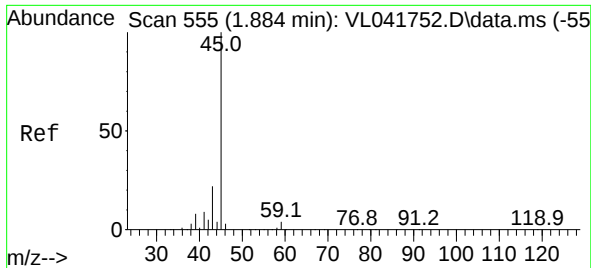
Tgt Ion: 39 Resp: 174

Ion Ratio Lower Upper

39 100

54 0.0 58.4 87.6#





#19

Isopropyl Alcohol

Concen: 0.192 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.009 min

Lab File: VL041793.D

Acq: 18 Dec 2024 14:32

Instrument :

MSVOA_L

ClientSampleId :

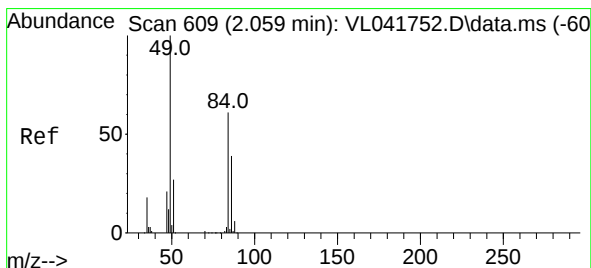
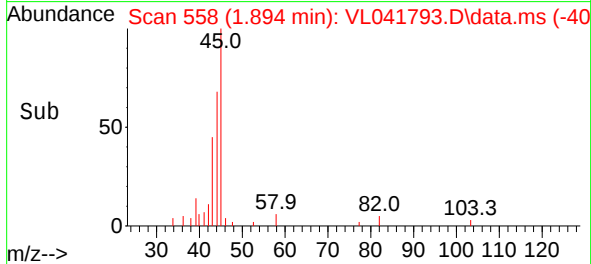
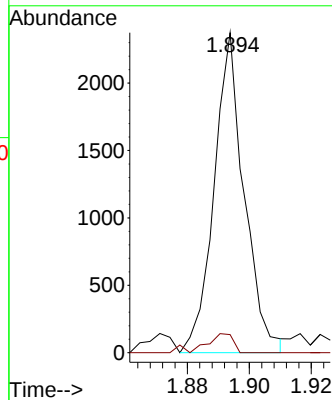
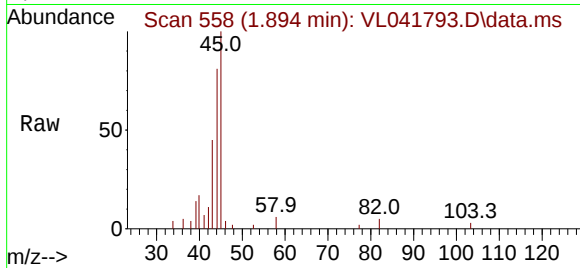
MDL 0.03

Tgt Ion: 45 Resp: 1601

Ion Ratio Lower Upper

45 100

58 5.5 33.3 49.9#



#20

Methylene Chloride

Concen: 0.207 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041793.D

Acq: 18 Dec 2024 14:32

Tgt Ion: 84 Resp: 821

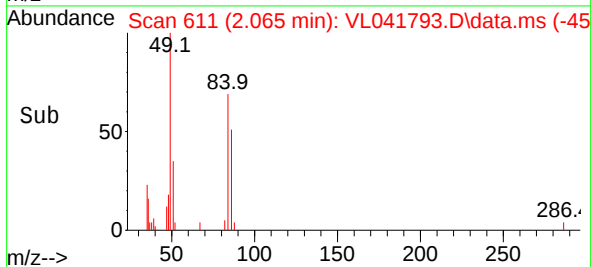
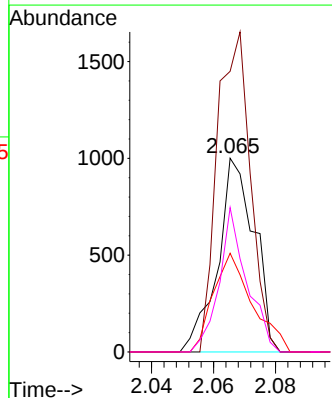
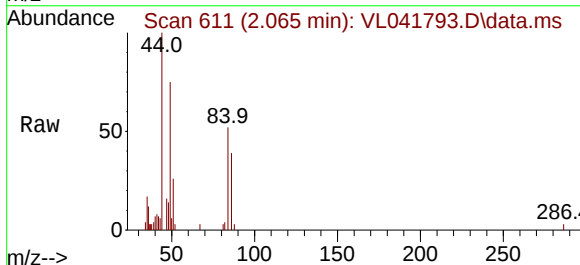
Ion Ratio Lower Upper

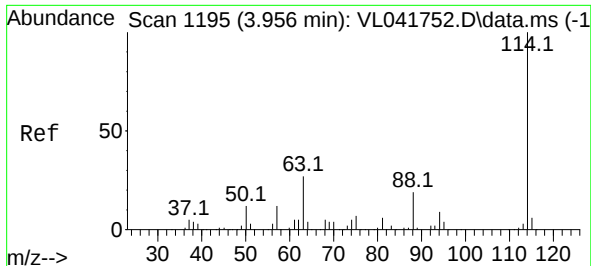
84 100

49 144.9 132.6 198.8

51 50.9 37.6 56.4

86 74.4 51.4 77.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1199

Delta R.T. 0.016 min

Lab File: VL041793.D

Acq: 18 Dec 2024 14:32

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

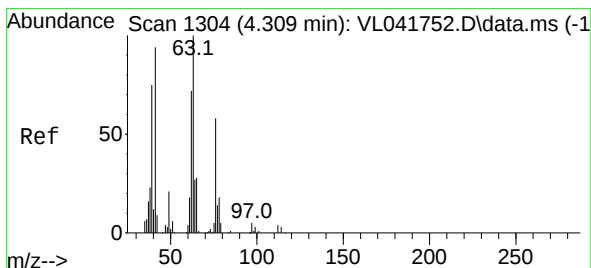
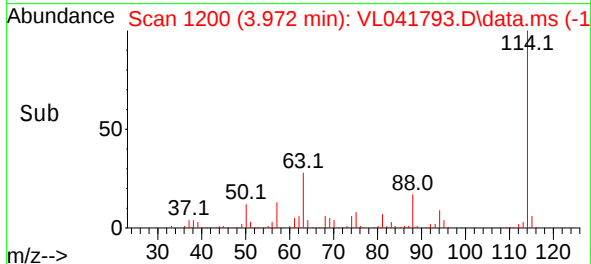
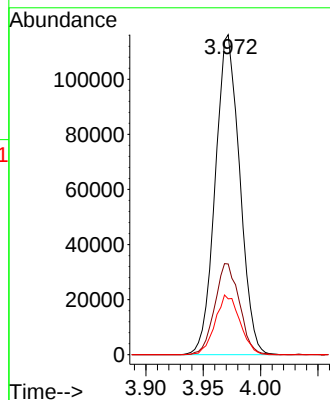
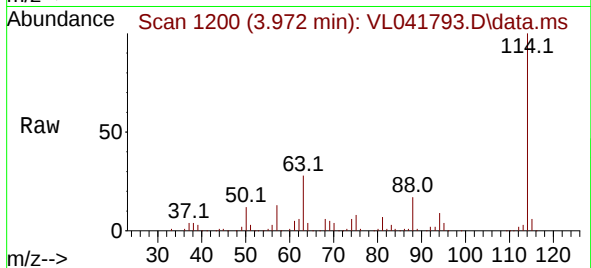
Tgt Ion:114 Resp: 172191

Ion Ratio Lower Upper

114 100

63 28.6 21.8 32.8

88 18.8 14.8 22.2



#39

1,2-Dichloropropane

Concen: 7.646 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.340 min

Lab File: VL041793.D

Acq: 18 Dec 2024 14:32

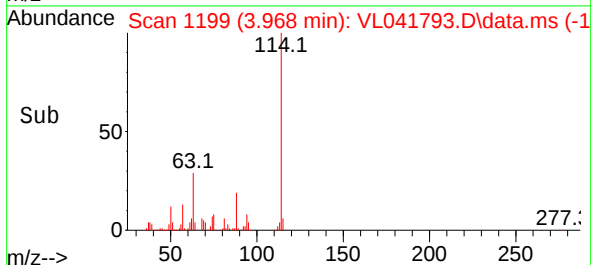
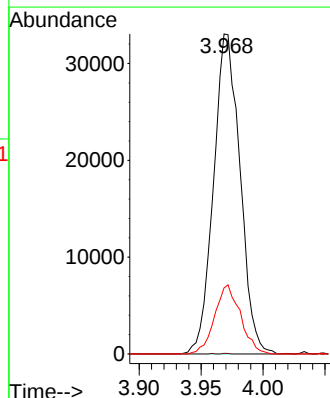
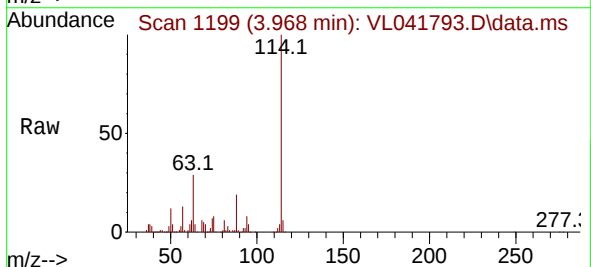
Tgt Ion: 63 Resp: 49255

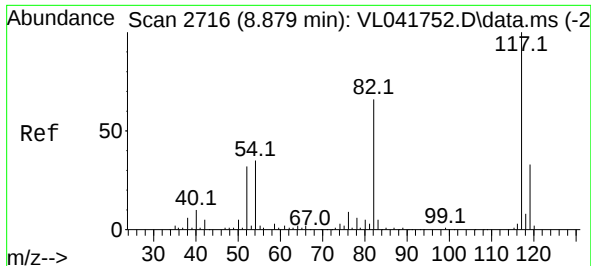
Ion Ratio Lower Upper

63 100

41 0.2 75.3 112.9#

62 20.7 57.3 85.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL041793.D

Acq: 18 Dec 2024 14:32

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

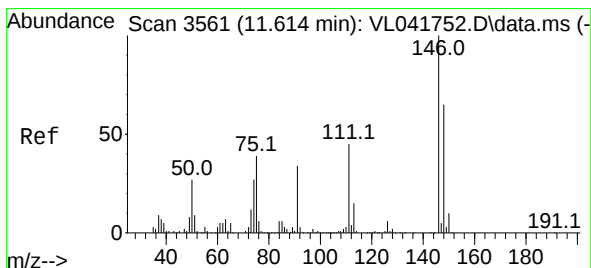
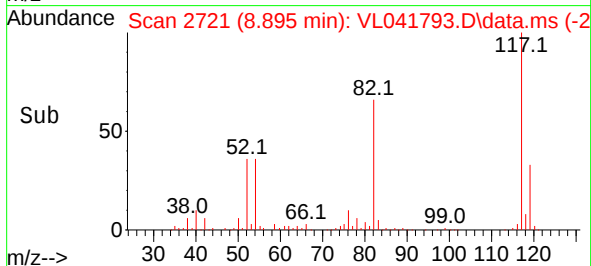
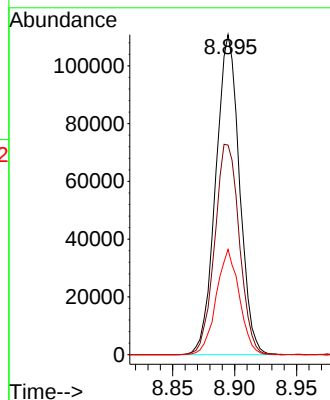
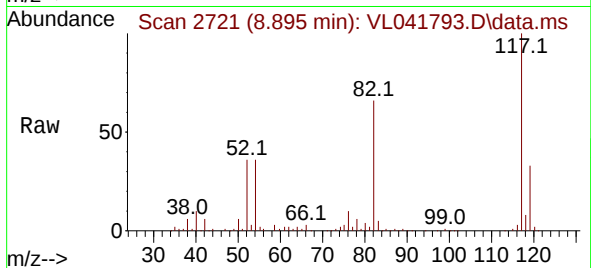
Tgt Ion:117 Resp: 147870

Ion Ratio Lower Upper

117 100

82 68.3 53.8 80.8

119 32.1 26.7 40.1



#66

Benzyl Chloride

Concen: 0.059 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.071 min

Lab File: VL041793.D

Acq: 18 Dec 2024 14:32

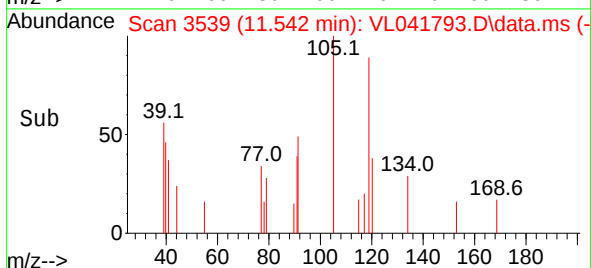
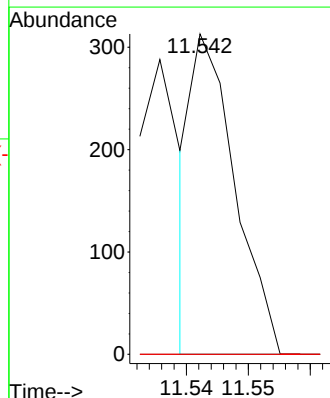
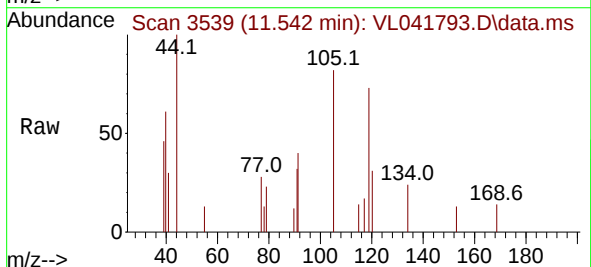
Tgt Ion: 91 Resp: 152

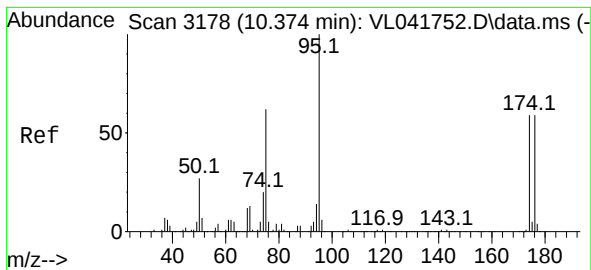
Ion Ratio Lower Upper

91 100

126 0.0 13.9 20.9#

128 0.0 4.4 6.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.088 ppbv
 RT: 10.387 min Scan# 3178
 Delta R.T. 0.013 min
 Lab File: VL041793.D
 Acq: 18 Dec 2024 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

Tgt Ion: 95 Resp: 124302
 Ion Ratio Lower Upper
 95 100
 174 58.1 47.6 71.4
 175 4.5 3.7 5.5

