

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121924\
 Data File : VL041819.D
 Acq On : 19 Dec 2024 14:06
 Operator : SY/MD
 Sample : VL1219ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 20 01:43:31 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 07:32:09 2024
 Response via : Initial Calibration

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

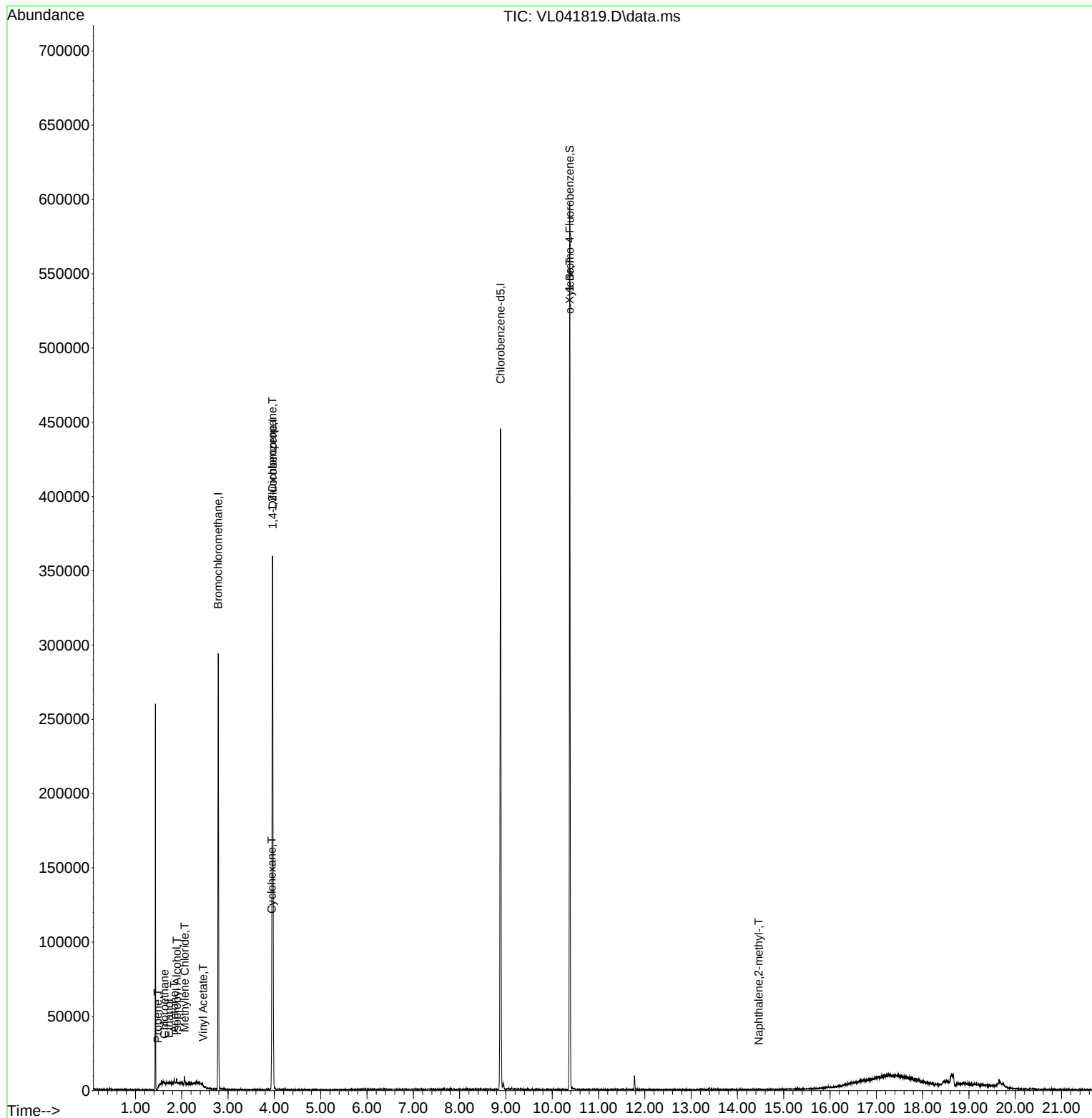
Internal Standards						
1) Bromochloromethane	2.787	49	80898	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	191925	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	161703	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	134551	9.985	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
7) Chloroethane	1.625	64	73	0.033	ppbv #	40
9) Propene	1.483	41	310	0.054	ppbv #	64
13) Ethanol	1.722	45	290	0.612	ppbv	72
15) Acetone	1.835	43	1652	0.105	ppbv #	80
19) Isopropyl Alcohol	1.891	45	1834	0.194	ppbv #	35
20) Methylene Chloride	2.062	84	700	0.156	ppbv	91
23) Vinyl Acetate	2.457	43	302	0.041	ppbv #	7
30) Cyclohexane	3.943	84	314	0.033	ppbv #	1
39) 1,2-Dichloropropane	3.959	63	53854	7.500	ppbv #	18
60) o-Xylene	10.374	91	755	0.032	ppbv #	13
80) Naphthalene,2-methyl-	14.458	142	192	0.036	ppbv #	54

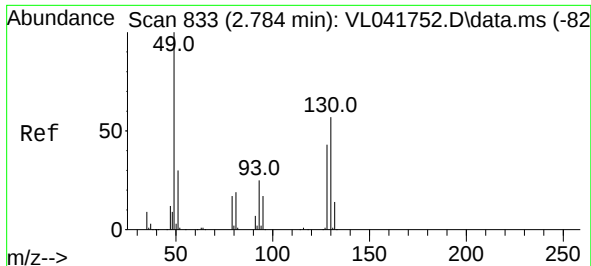
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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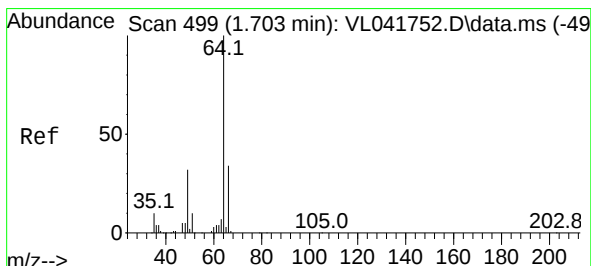
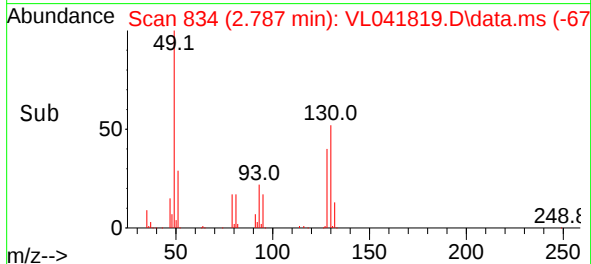
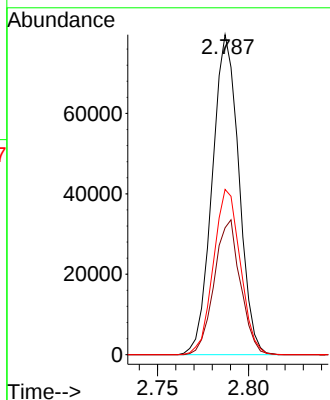
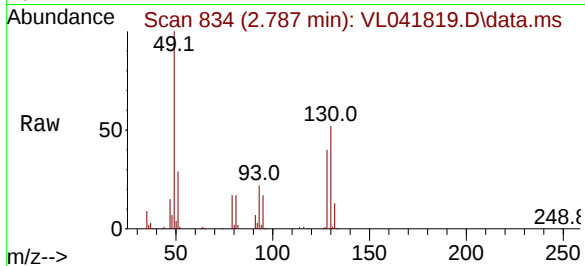




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041819.D
Acq: 19 Dec 2024 14:06

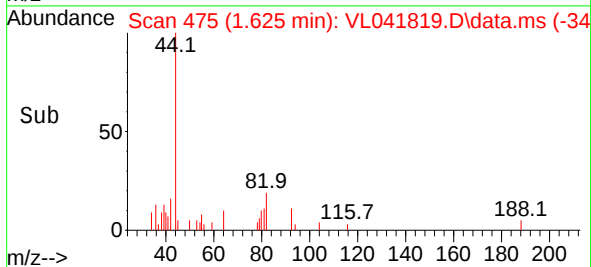
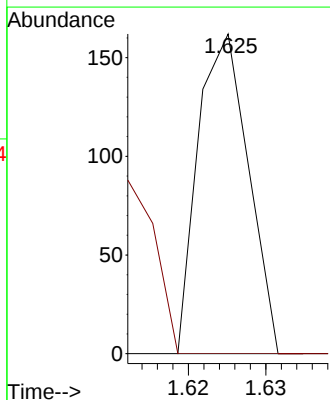
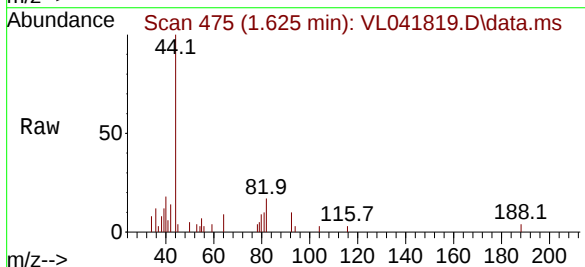
Instrument :
MSVOA_L
ClientSampleId :

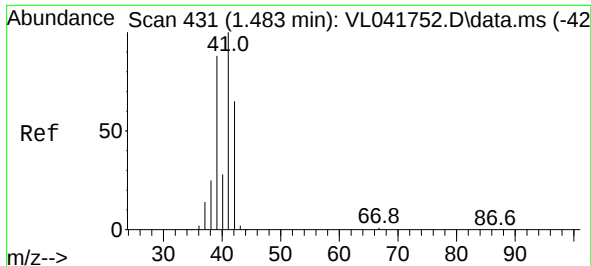
Tgt Ion: 49 Resp: 80898
Ion Ratio Lower Upper
49 100
128 41.4 21.6 64.6
130 52.2 28.3 85.0



#7
Chloroethane
Concen: 0.033 ppbv
RT: 1.625 min Scan# 475
Delta R.T. -0.078 min
Lab File: VL041819.D
Acq: 19 Dec 2024 14:06

Tgt Ion: 64 Resp: 73
Ion Ratio Lower Upper
64 100
66 0.0 27.5 41.3#





#9

Propene

Concen: 0.054 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041819.D

Acq: 19 Dec 2024 14:06

Instrument :

MSVOA_L

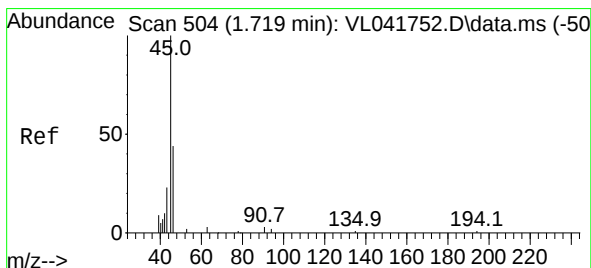
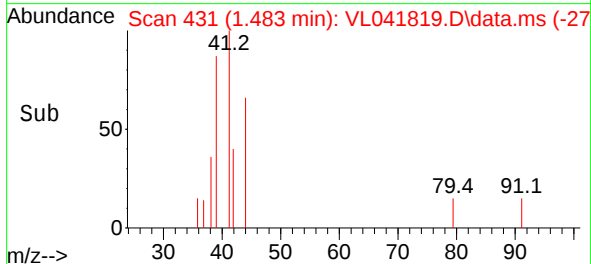
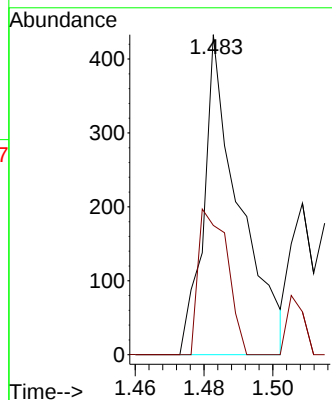
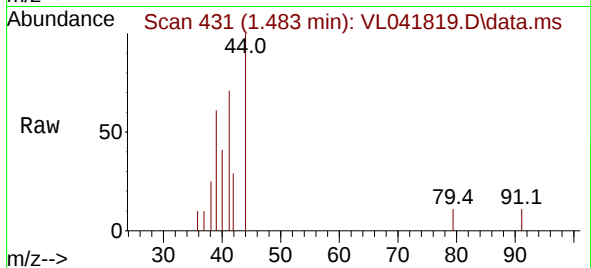
ClientSampleId :

Tgt Ion: 41 Resp: 310

Ion Ratio Lower Upper

41 100

42 37.1 52.4 78.6#



#13

Ethanol

Concen: 0.612 ppbv

RT: 1.722 min Scan# 505

Delta R.T. 0.003 min

Lab File: VL041819.D

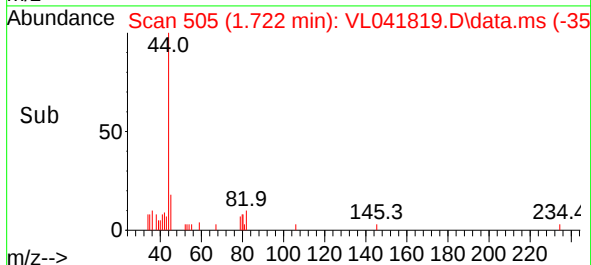
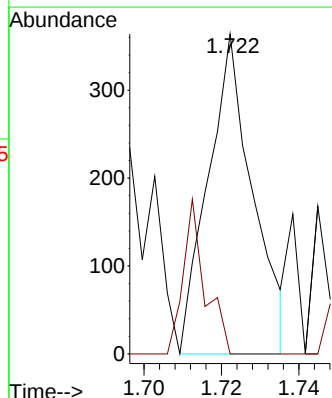
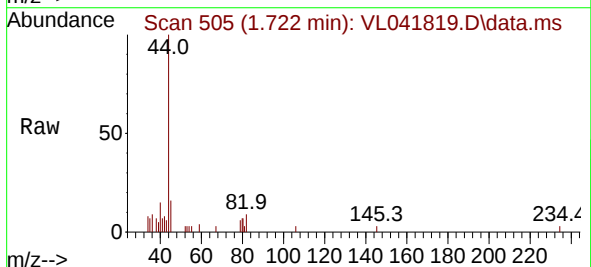
Acq: 19 Dec 2024 14:06

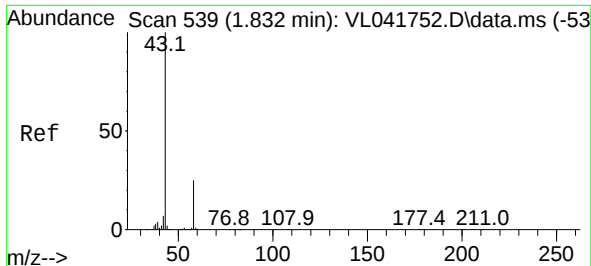
Tgt Ion: 45 Resp: 290

Ion Ratio Lower Upper

45 100

46 23.8 16.4 65.8





#15

Acetone

Concen: 0.105 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL041819.D

Acq: 19 Dec 2024 14:06

Instrument :

MSVOA_L

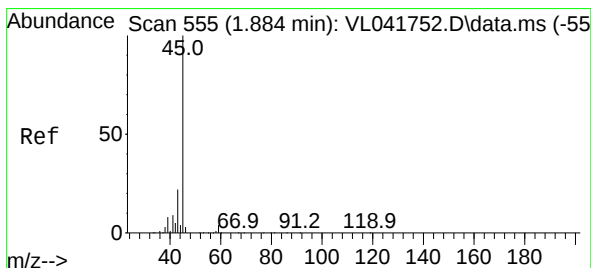
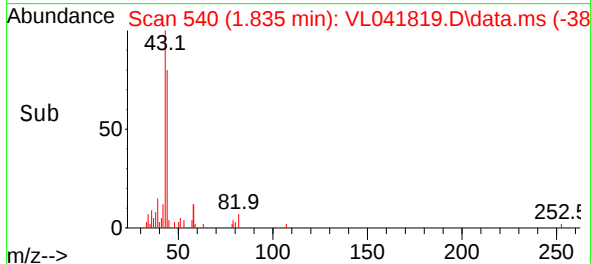
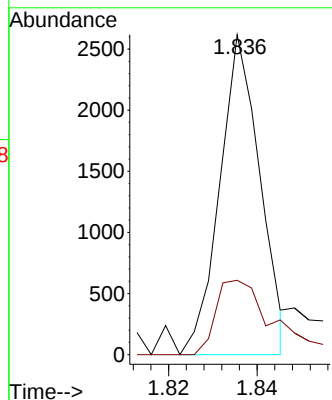
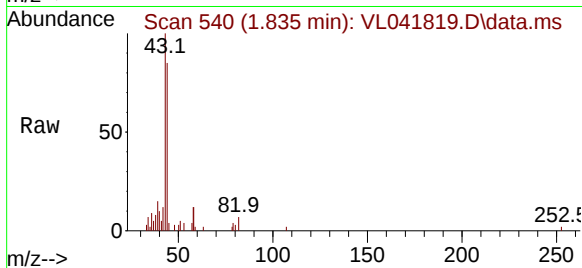
ClientSampleId :

Tgt Ion: 43 Resp: 1652

Ion Ratio Lower Upper

43 100

58 34.7 19.7 29.5#



#19

Isopropyl Alcohol

Concen: 0.194 ppbv

RT: 1.891 min Scan# 557

Delta R.T. 0.006 min

Lab File: VL041819.D

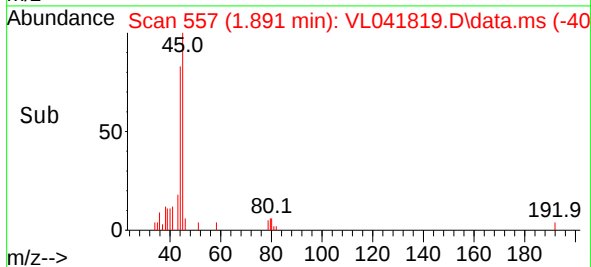
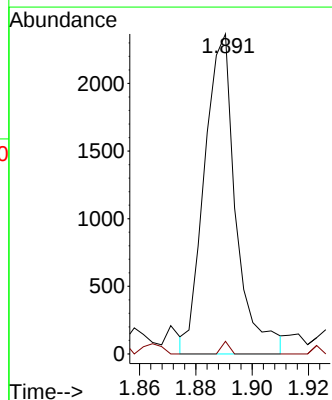
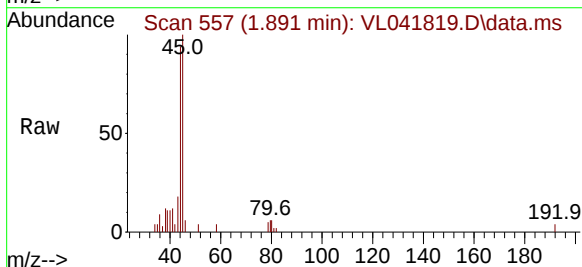
Acq: 19 Dec 2024 14:06

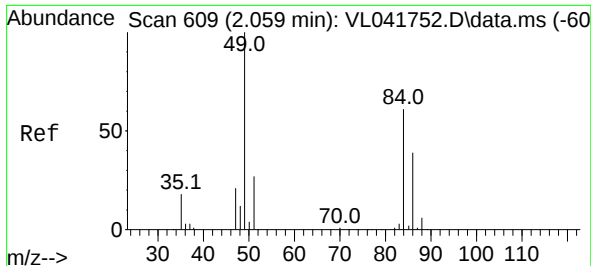
Tgt Ion: 45 Resp: 1834

Ion Ratio Lower Upper

45 100

58 1.0 33.3 49.9#





#20

Methylene Chloride

Concen: 0.156 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

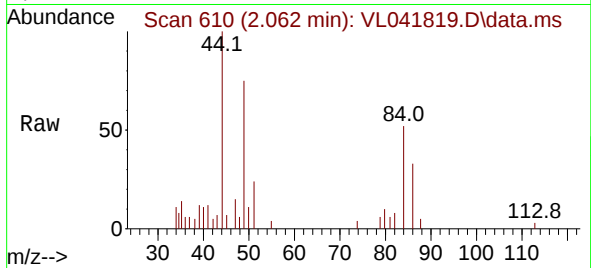
Lab File: VL041819.D

Acq: 19 Dec 2024 14:06

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 84 Resp: 700

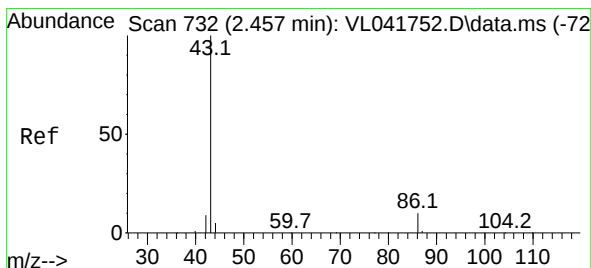
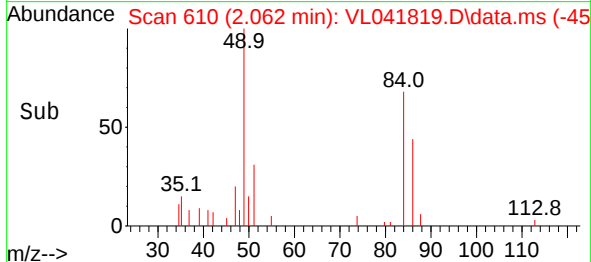
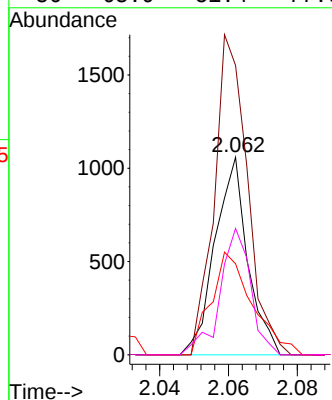
Ion Ratio Lower Upper

84 100

49 146.5 132.6 198.8

51 46.1 37.6 56.4

86 63.9 51.4 77.0



#23

Vinyl Acetate

Concen: 0.041 ppbv

RT: 2.457 min Scan# 732

Delta R.T. -0.000 min

Lab File: VL041819.D

Acq: 19 Dec 2024 14:06

Tgt Ion: 43 Resp: 302

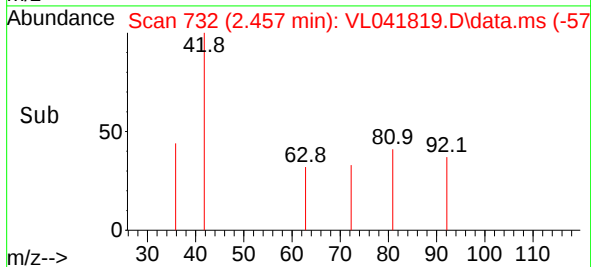
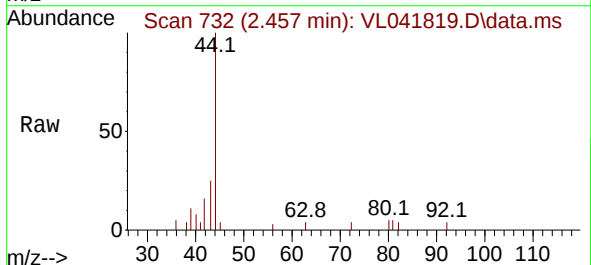
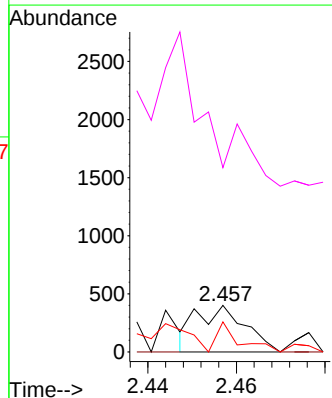
Ion Ratio Lower Upper

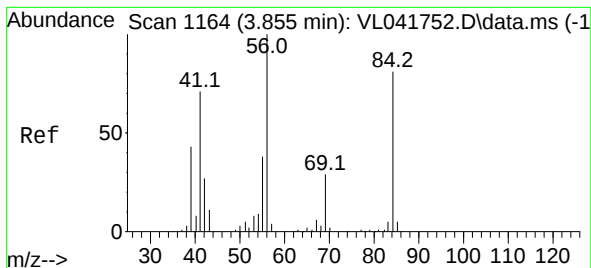
43 100

86 0.0 6.6 10.0#

42 64.8 8.2 12.2#

44 39.8 5.0 7.4#





#30

Cyclohexane

Concen: 0.033 ppbv

RT: 3.943 min Scan# 1191

Delta R.T. 0.087 min

Lab File: VL041819.D

Acq: 19 Dec 2024 14:06

Instrument :

MSVOA_L

ClientSampleId :

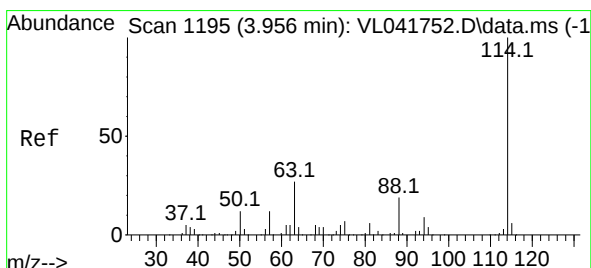
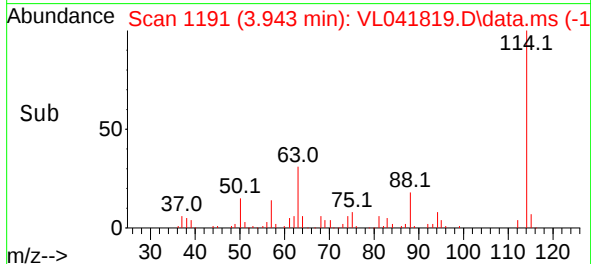
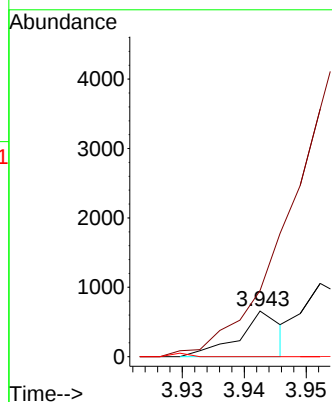
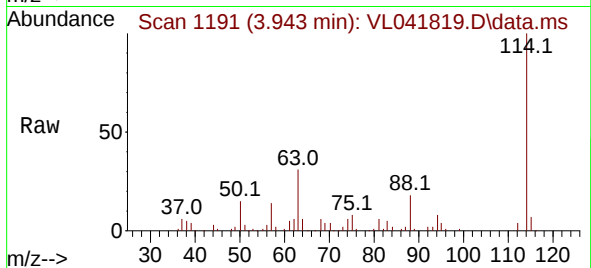
Tgt Ion: 84 Resp: 314

Ion Ratio Lower Upper

84 100

56 0.0 102.3 153.5#

41 12.7 74.0 111.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL041819.D

Acq: 19 Dec 2024 14:06

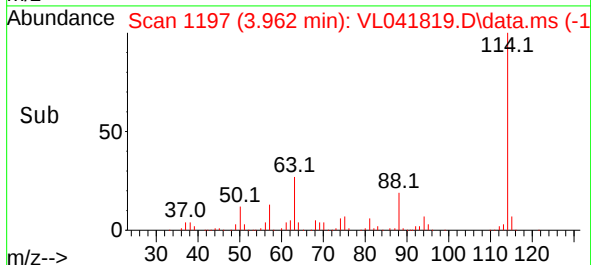
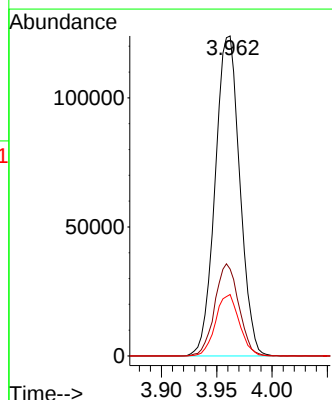
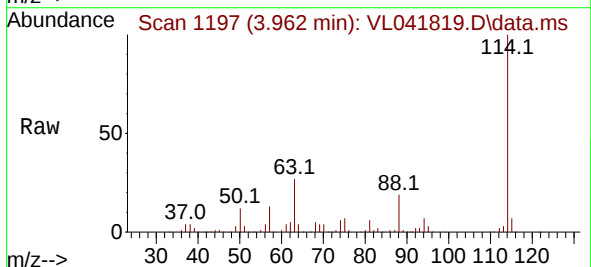
Tgt Ion: 114 Resp: 191925

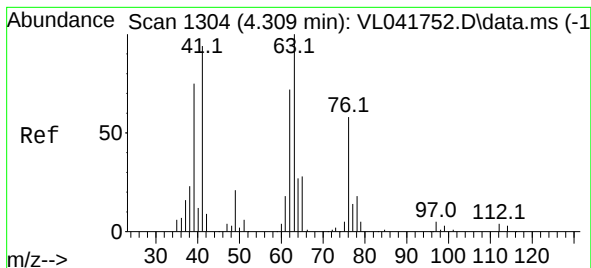
Ion Ratio Lower Upper

114 100

63 28.1 21.8 32.8

88 18.6 14.8 22.2





#39

1,2-Dichloropropane

Concen: 7.500 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.350 min

Lab File: VL041819.D

Acq: 19 Dec 2024 14:06

Instrument :

MSVOA_L

ClientSampleId :

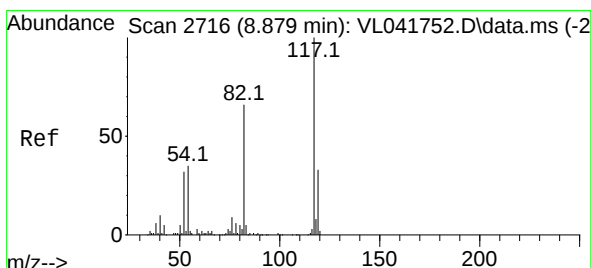
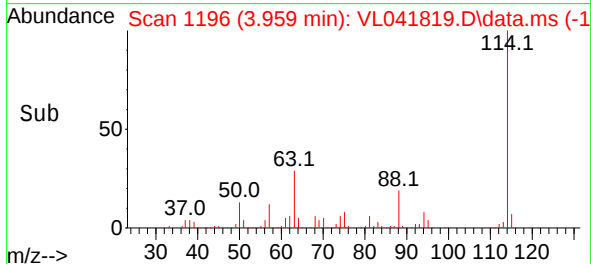
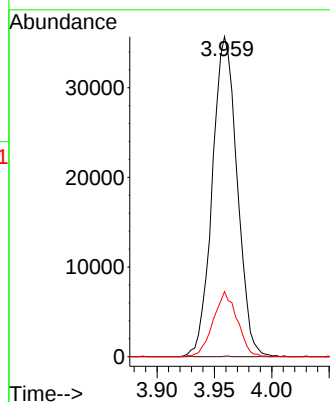
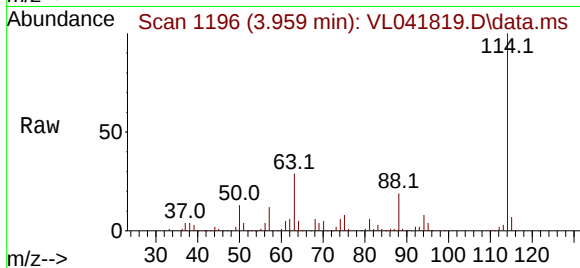
Tgt Ion: 63 Resp: 53854

Ion Ratio Lower Upper

63 100

41 0.2 75.3 112.9#

62 20.3 57.3 85.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. 0.003 min

Lab File: VL041819.D

Acq: 19 Dec 2024 14:06

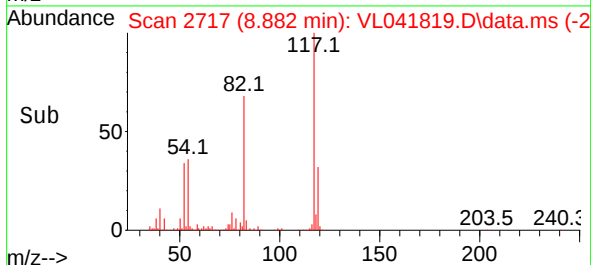
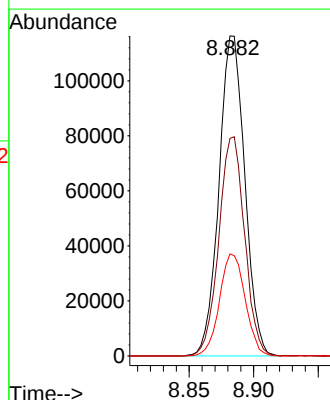
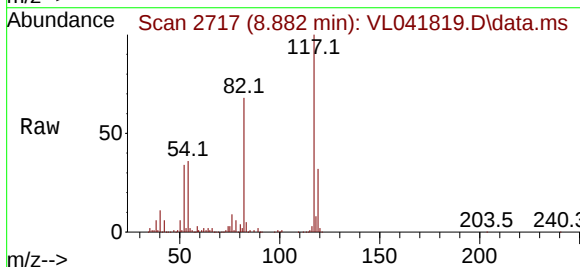
Tgt Ion: 117 Resp: 161703

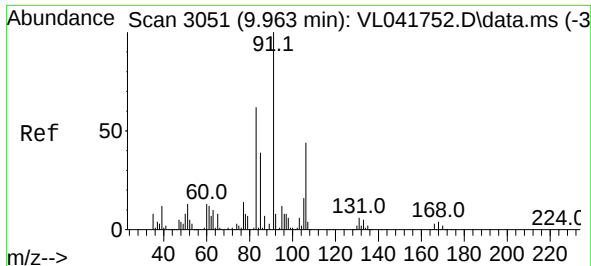
Ion Ratio Lower Upper

117 100

82 68.4 53.8 80.8

119 31.7 26.7 40.1





#60

o-Xylene

Concen: 0.032 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. 0.411 min

Lab File: VL041819.D

Acq: 19 Dec 2024 14:06

Instrument :

MSVOA_L

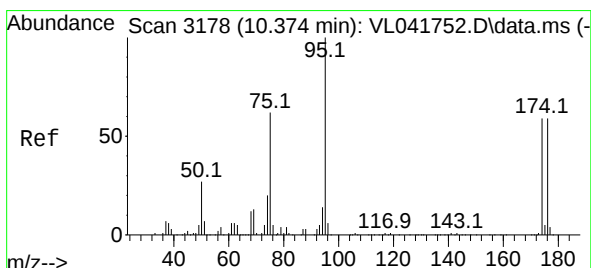
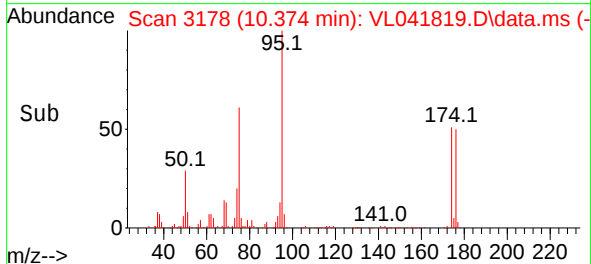
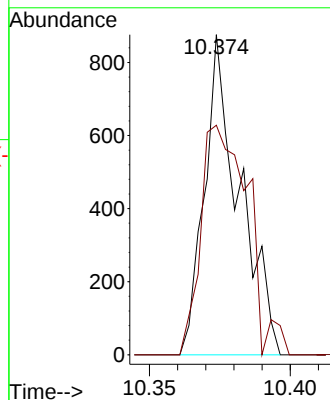
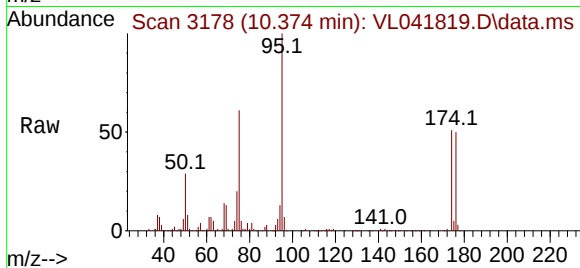
ClientSampleId :

Tgt Ion: 91 Resp: 755

Ion Ratio Lower Upper

91 100

106 97.2 21.1 63.4#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.985 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.003 min

Lab File: VL041819.D

Acq: 19 Dec 2024 14:06

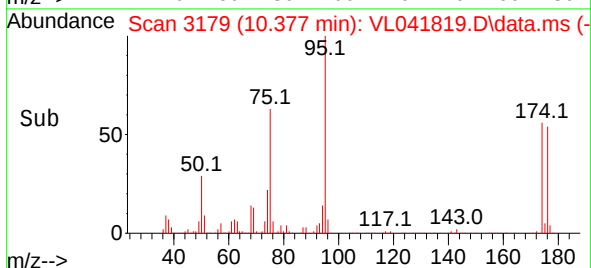
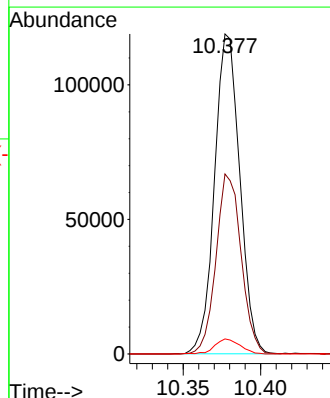
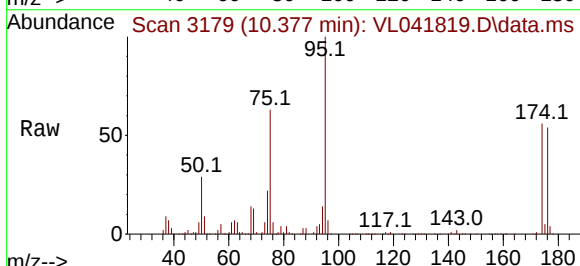
Tgt Ion: 95 Resp: 134551

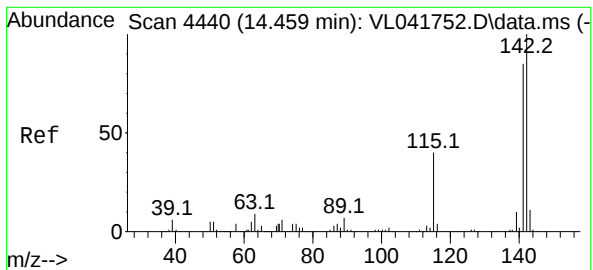
Ion Ratio Lower Upper

95 100

174 56.1 47.6 71.4

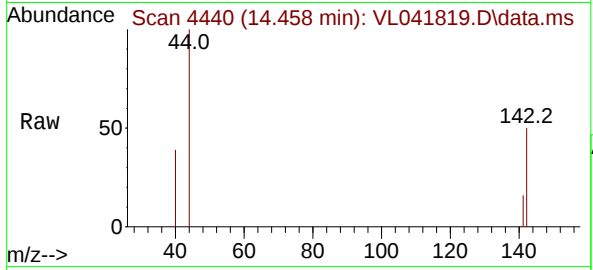
175 4.7 3.7 5.5





#80
 Naphthalene, 2-methyl-
 Concen: 0.036 ppbv
 RT: 14.458 min Scan# 44
 Delta R.T. -0.000 min
 Lab File: VL041819.D
 Acq: 19 Dec 2024 14:06

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:142 Resp: 192

Ion	Ratio	Lower	Upper
142	100		
141	43.2	68.4	102.6#
115	12.0	32.5	48.7#

