

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
 Data File : VL041783.D
 Acq On : 17 Dec 2024 17:19
 Operator : SY/MD
 Sample : QC120324 CAN 10654
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

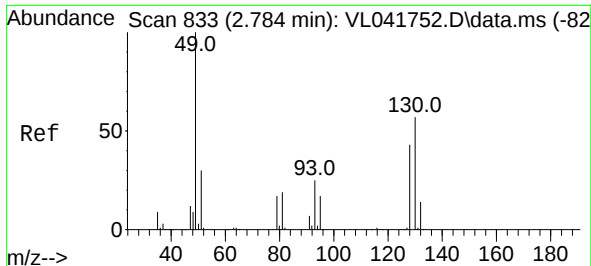
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 21 01:24:10 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)

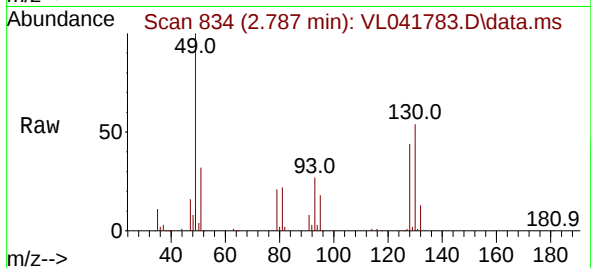
Internal Standards						
1) Bromochloromethane	2.787	49	51457	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	129570	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	110716	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	90612	9.821	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	979	0.107	ppbv #	88
3) Chlorodifluoromethane	1.476	51	648	0.077	ppbv #	88
4) Chloromethane	1.534	50	388	0.108	ppbv #	42
8) Dichlorotetrafluoroethane	1.499	85	979	0.119	ppbv #	21
9) Propene	1.486	41	607	0.167	ppbv	96
12) 1,1,2-Trichlorotrifluo...	1.881	101	523	0.071	ppbv #	14
13) Ethanol	1.887	45	1626	5.399	ppbv #	34
15) Acetone	1.835	43	5773	0.577	ppbv	96
16) 1,3-Butadiene	1.605	39	254	0.064	ppbv #	51
19) Isopropyl Alcohol	1.887	45	1626	0.271	ppbv #	39
20) Methylene Chloride	2.065	84	1114	0.390	ppbv #	95
23) Vinyl Acetate	2.457	43	192	0.041	ppbv #	78
26) Hexane	2.829	57	449	0.064	ppbv #	46
29) Chloroform	2.852	83	1046	0.097	ppbv #	77
34) 2-Butanone	2.557	43	317	0.030	ppbv #	55
39) 1,2-Dichloropropane	3.965	63	35793	7.384	ppbv #	19
66) Benzyl Chloride	11.545	91	62	0.032	ppbv #	66

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

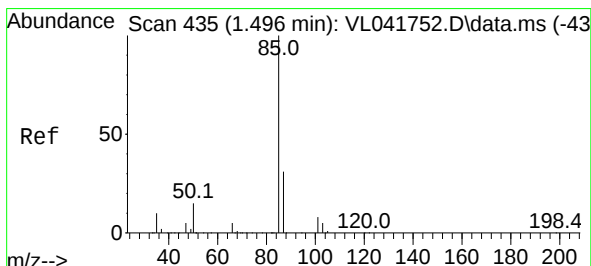
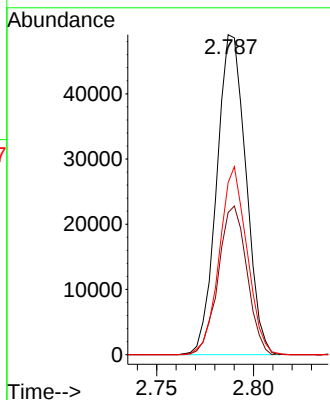
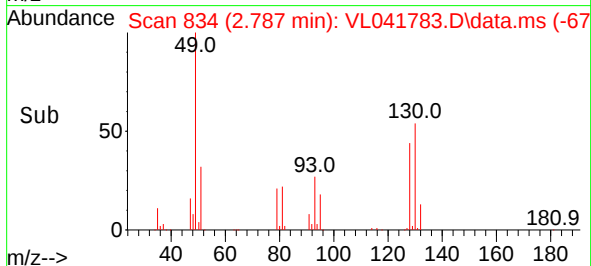


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL041783.D
Acq: 17 Dec 2024 17:19

Instrument :
MSVOA_L
ClientSampleId :

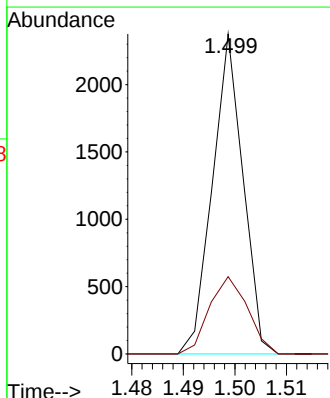
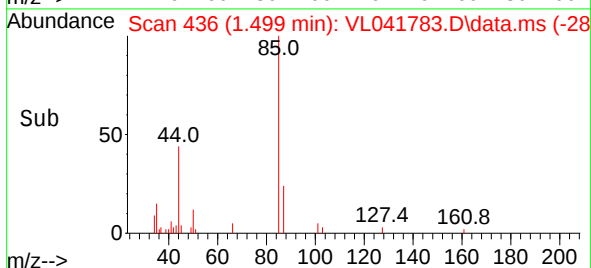
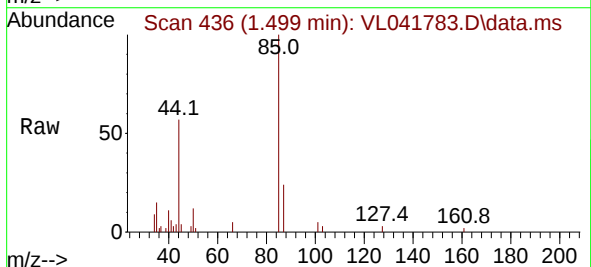


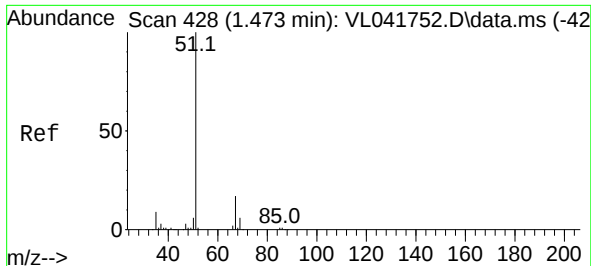
Tgt Ion: 49 Resp: 51457
Ion Ratio Lower Upper
49 100
128 45.6 21.6 64.6
130 55.6 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 0.107 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041783.D
Acq: 17 Dec 2024 17:19

Tgt Ion: 85 Resp: 979
Ion Ratio Lower Upper
85 100
87 24.2 24.5 36.7#

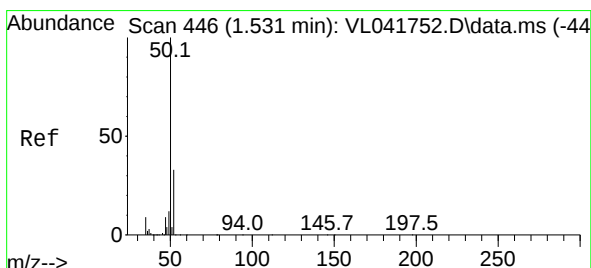
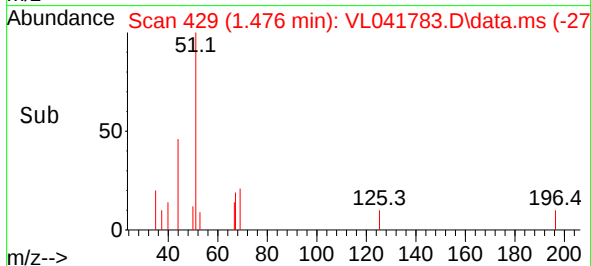
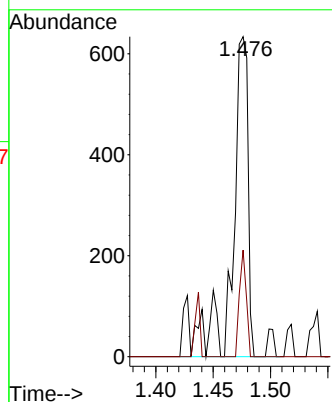
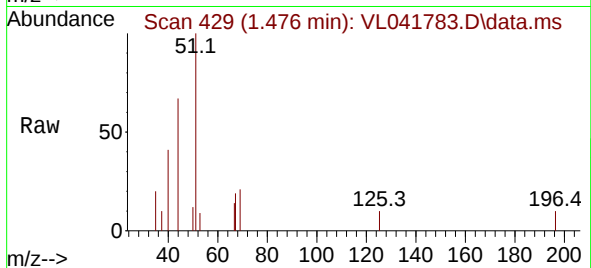




#3
Chlorodifluoromethane
Concen: 0.077 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041783.D
Acq: 17 Dec 2024 17:19

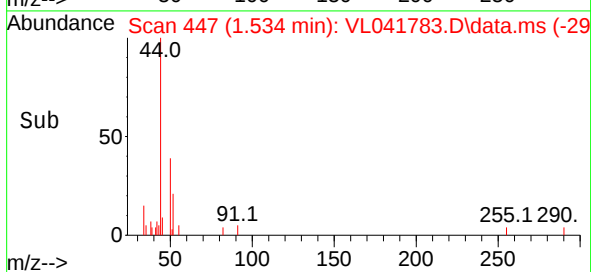
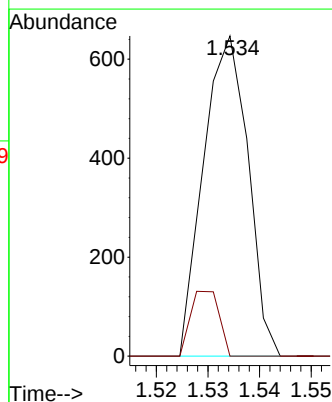
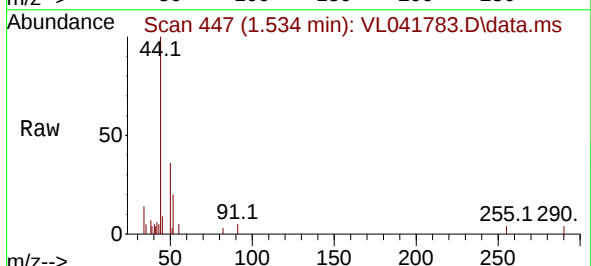
Instrument :
MSVOA_L
ClientSampleId :

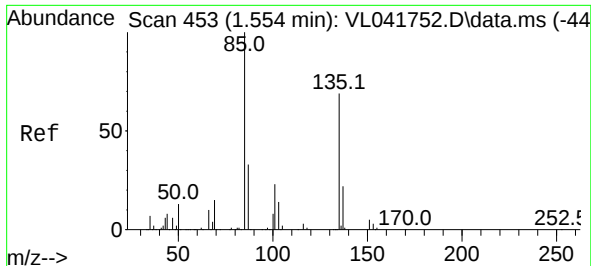
Tgt Ion: 51 Resp: 648
Ion Ratio Lower Upper
51 100
67 13.3 15.0 22.4#



#4
Chloromethane
Concen: 0.108 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041783.D
Acq: 17 Dec 2024 17:19

Tgt Ion: 50 Resp: 388
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

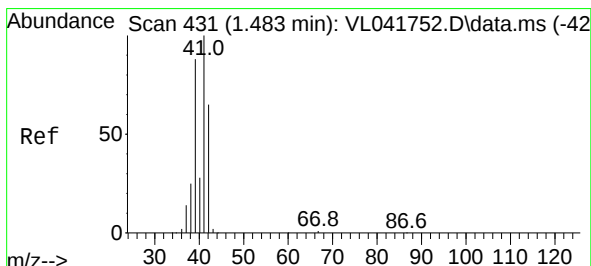
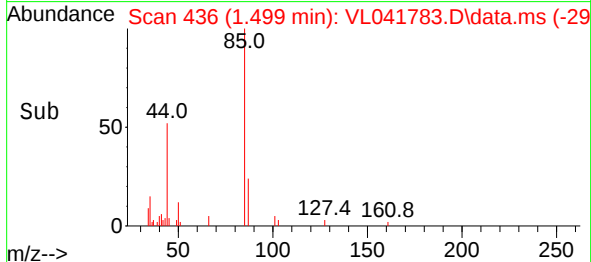
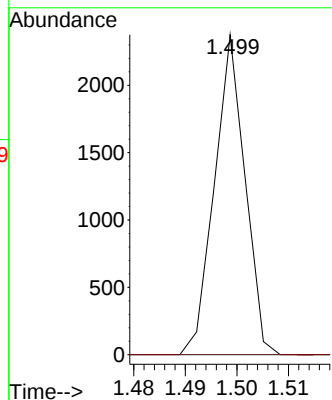
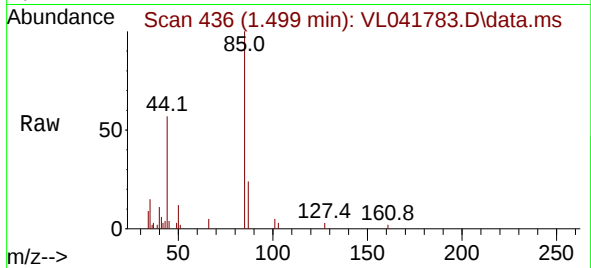




#8
Dichlorotetrafluoroethane
Concen: 0.119 ppbv
RT: 1.499 min Scan# 41
Delta R.T. -0.055 min
Lab File: VL041783.D
Acq: 17 Dec 2024 17:19

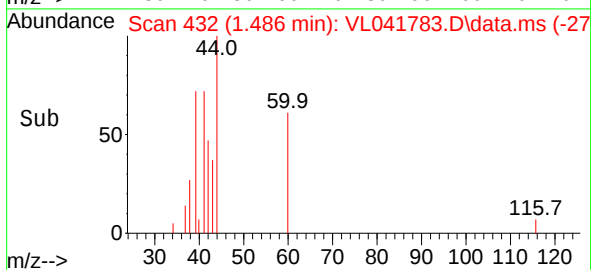
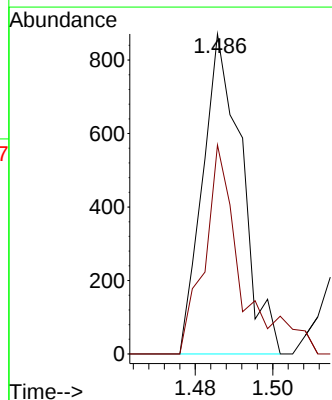
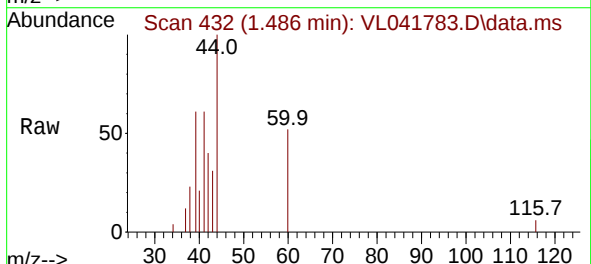
Instrument :
MSVOA_L
ClientSampleId :

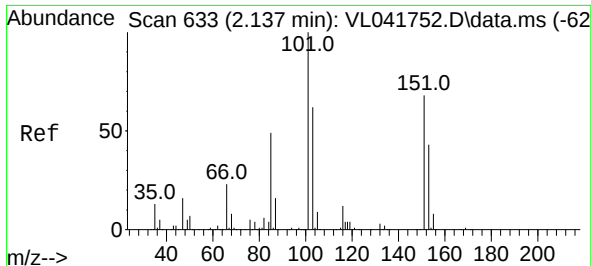
Tgt Ion: 85 Resp: 979
Ion Ratio Lower Upper
85 100
135 2.8 51.9 77.9#



#9
Propene
Concen: 0.167 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL041783.D
Acq: 17 Dec 2024 17:19

Tgt Ion: 41 Resp: 607
Ion Ratio Lower Upper
41 100
42 61.9 52.4 78.6

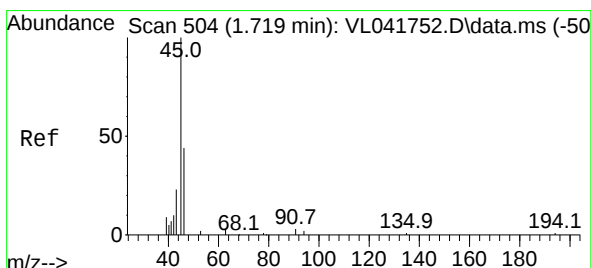
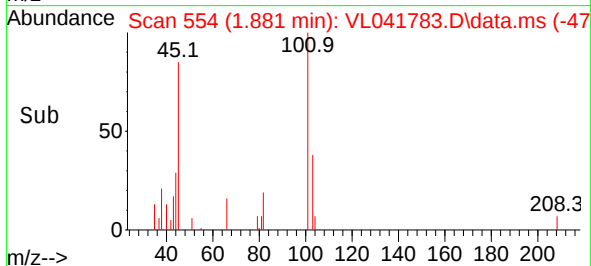
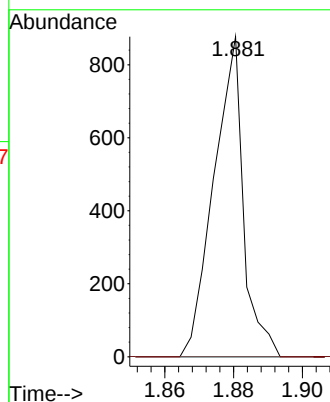
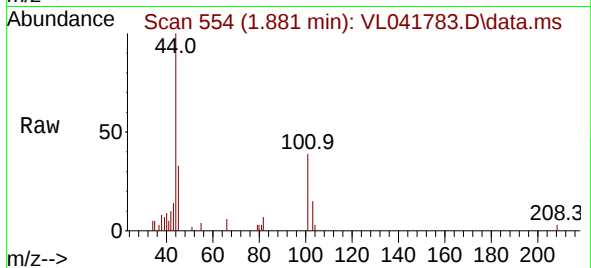




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.071 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.256 min
Lab File: VL041783.D
Acq: 17 Dec 2024 17:19

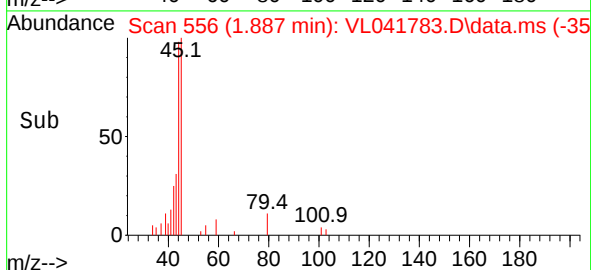
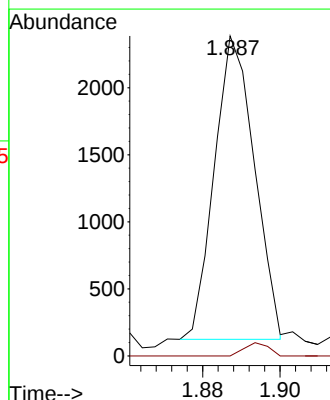
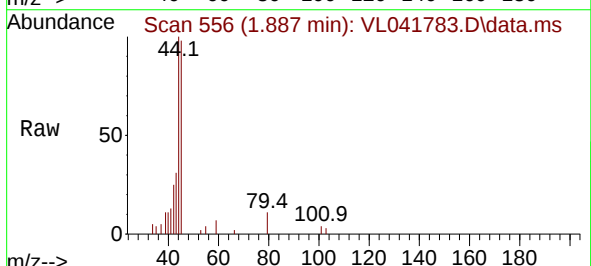
Instrument :
MSVOA_L
ClientSampleId :

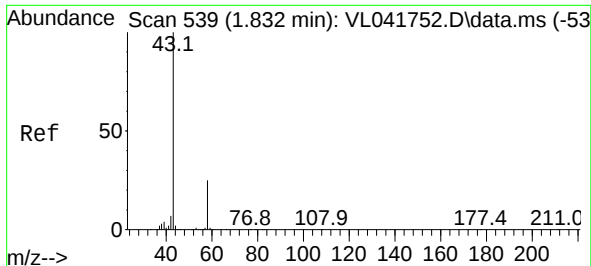
Tgt Ion:101 Resp: 523
Ion Ratio Lower Upper
101 100
151 0.0 56.8 85.2#



#13
Ethanol
Concen: 5.399 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.168 min
Lab File: VL041783.D
Acq: 17 Dec 2024 17:19

Tgt Ion: 45 Resp: 1626
Ion Ratio Lower Upper
45 100
46 0.0 16.4 65.8#





#15

Acetone

Concen: 0.577 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL041783.D

Acq: 17 Dec 2024 17:19

Instrument :

MSVOA_L

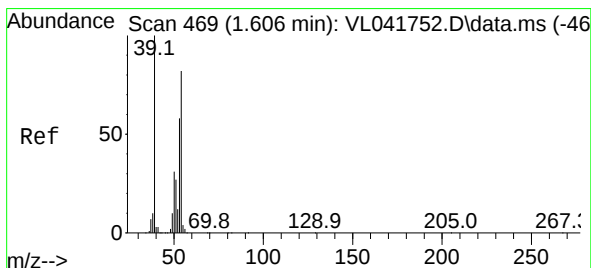
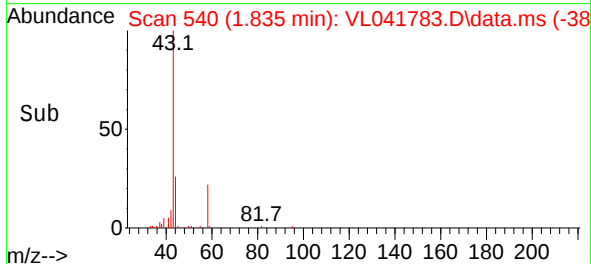
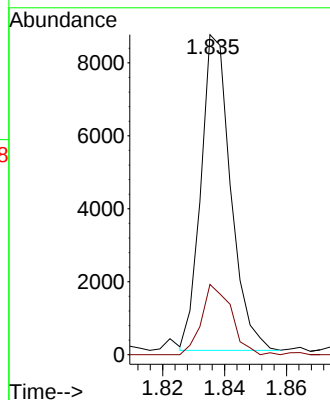
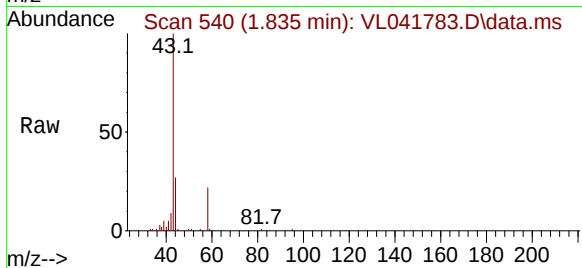
ClientSampleId :

Tgt Ion: 43 Resp: 5773

Ion Ratio Lower Upper

43 100

58 22.6 19.7 29.5



#16

1,3-Butadiene

Concen: 0.064 ppbv

RT: 1.605 min Scan# 469

Delta R.T. -0.000 min

Lab File: VL041783.D

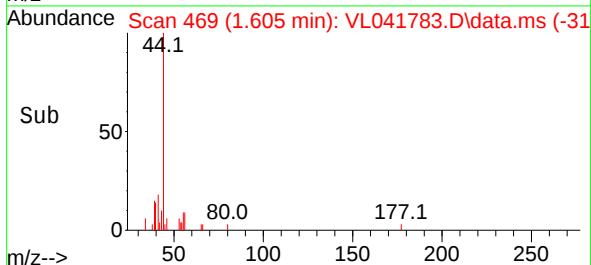
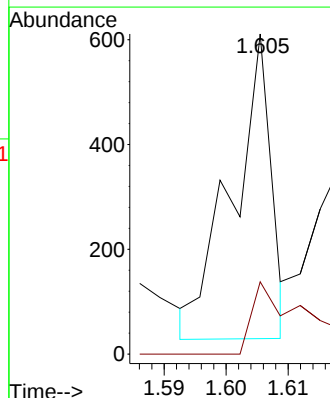
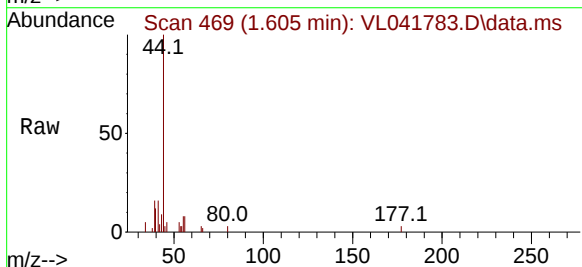
Acq: 17 Dec 2024 17:19

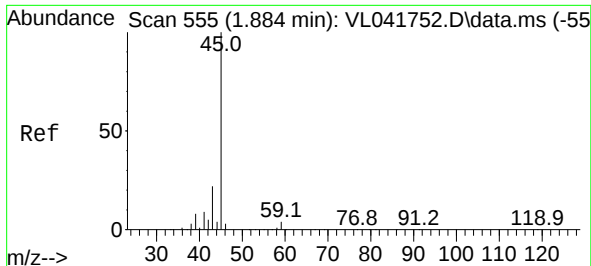
Tgt Ion: 39 Resp: 254

Ion Ratio Lower Upper

39 100

54 32.3 58.4 87.6#





#19

Isopropyl Alcohol

Concen: 0.271 ppbv

RT: 1.887 min Scan# 511

Delta R.T. 0.003 min

Lab File: VL041783.D

Acq: 17 Dec 2024 17:19

Instrument :

MSVOA_L

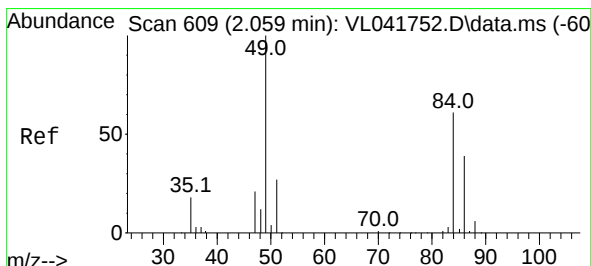
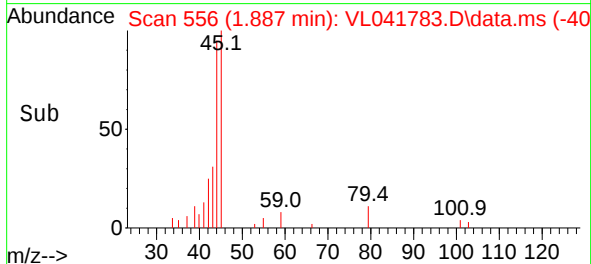
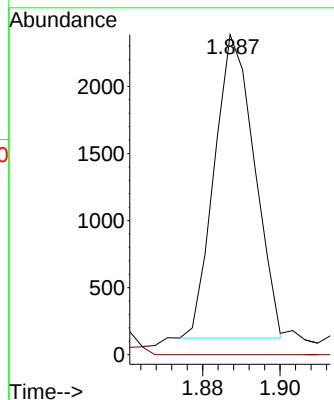
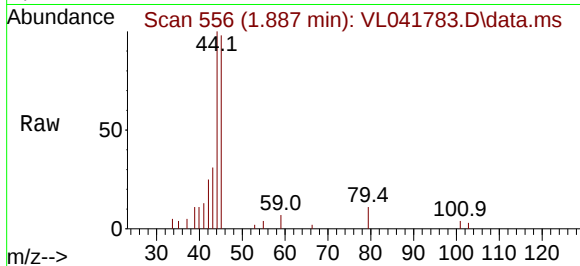
ClientSampleId :

Tgt Ion: 45 Resp: 1626

Ion Ratio Lower Upper

45 100

58 80.1 33.3 49.9#



#20

Methylene Chloride

Concen: 0.390 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041783.D

Acq: 17 Dec 2024 17:19

Tgt Ion: 84 Resp: 1114

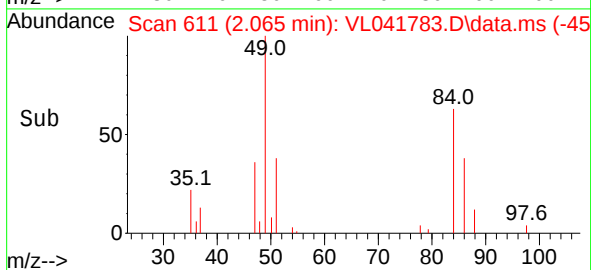
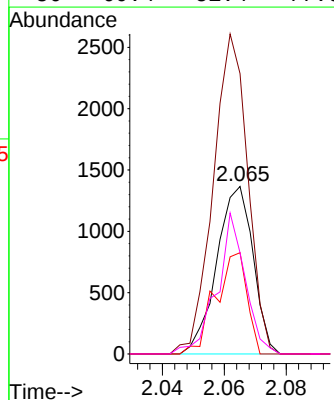
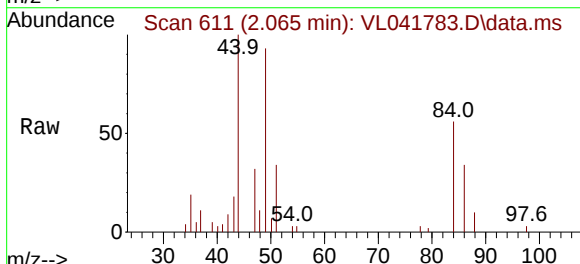
Ion Ratio Lower Upper

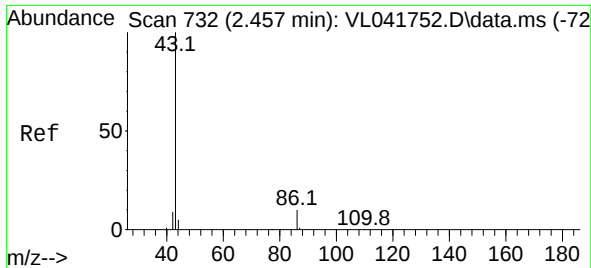
84 100

49 167.3 132.6 198.8

51 60.5 37.6 56.4#

86 60.4 51.4 77.0

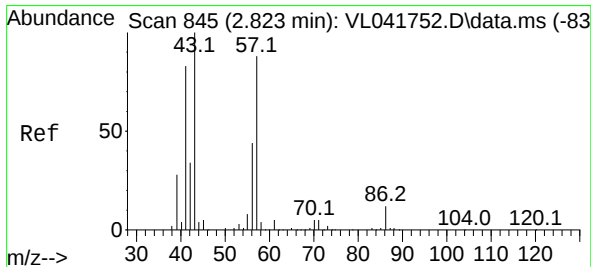
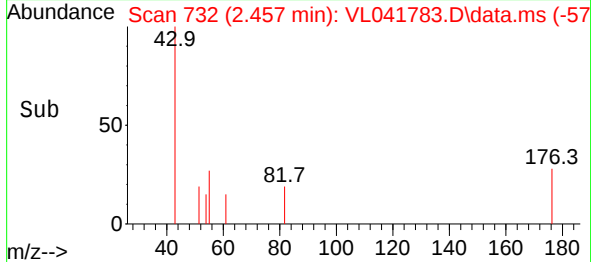
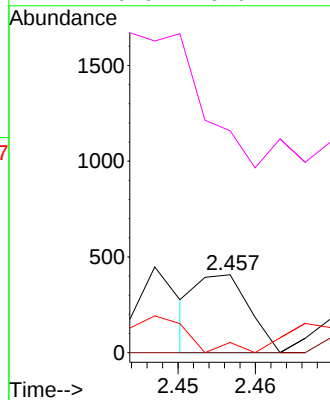
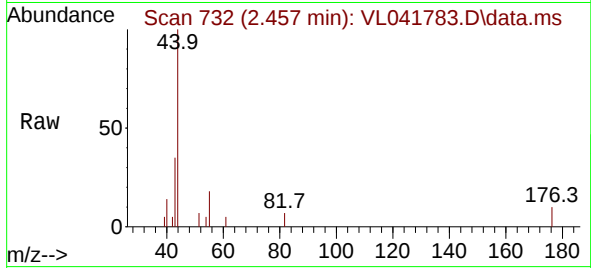




#23
 Vinyl Acetate
 Concen: 0.041 ppbv
 RT: 2.457 min Scan# 741
 Delta R.T. -0.000 min
 Lab File: VL041783.D
 Acq: 17 Dec 2024 17:19

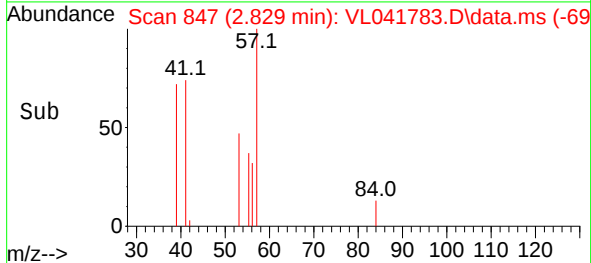
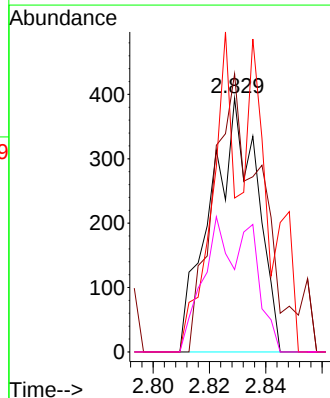
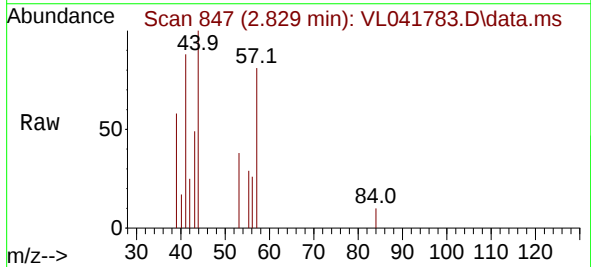
Instrument :
 MSVOA_L
 ClientSampleId :

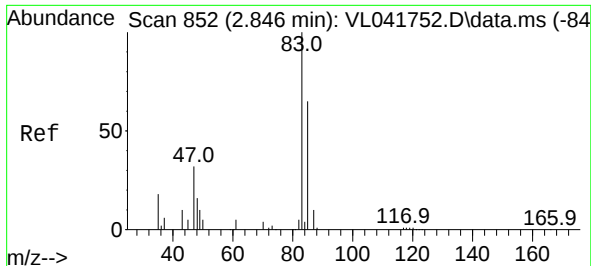
Tgt Ion: 43	Resp:	192
Ion Ratio	Lower	Upper
43	100	
86	0.0	6.6 10.0#
42	0.0	8.2 12.2#
44	10.6	5.0 7.4#



#26
 Hexane
 Concen: 0.064 ppbv
 RT: 2.829 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VL041783.D
 Acq: 17 Dec 2024 17:19

Tgt Ion: 57	Resp:	449
Ion Ratio	Lower	Upper
57	100	
41	123.8	79.6 119.4#
43	128.1	211.0 316.6#
56	54.8	42.6 63.8





#29

Chloroform

Concen: 0.097 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL041783.D

Acq: 17 Dec 2024 17:19

Instrument :

MSVOA_L

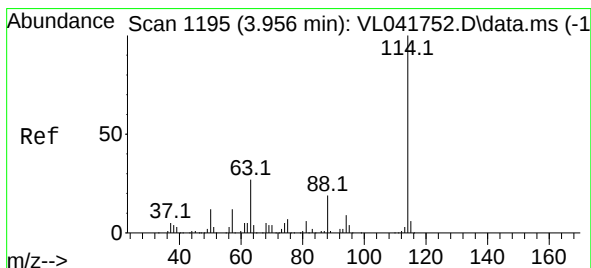
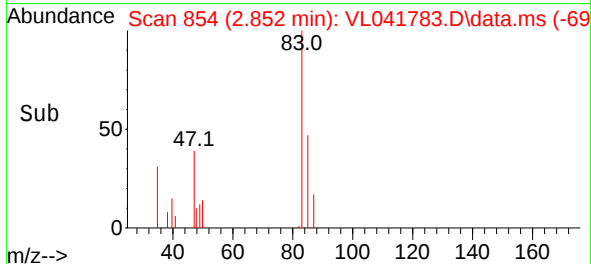
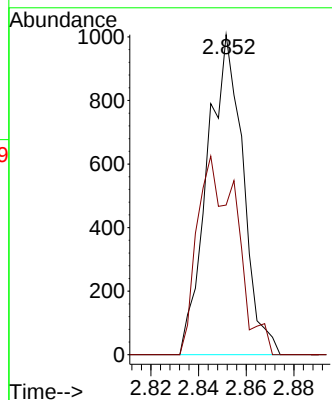
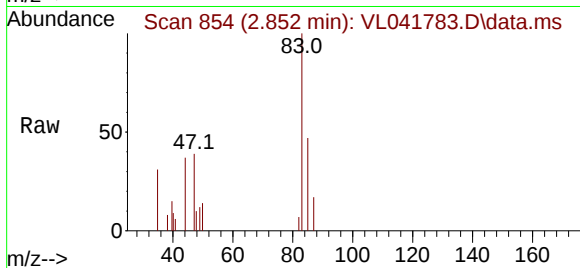
ClientSampleId :

Tgt Ion: 83 Resp: 1046

Ion Ratio Lower Upper

83 100

85 46.8 51.8 77.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL041783.D

Acq: 17 Dec 2024 17:19

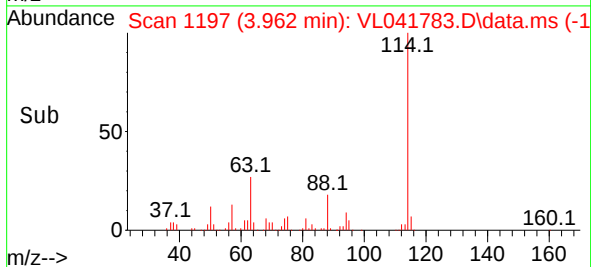
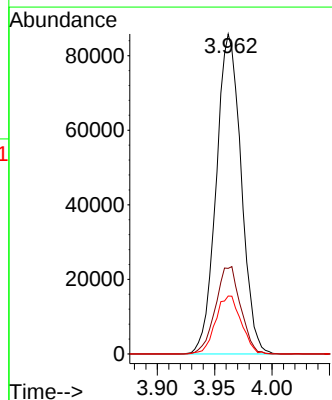
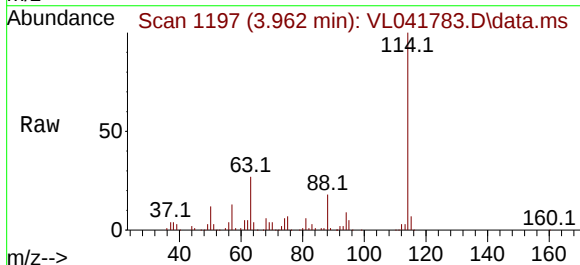
Tgt Ion: 114 Resp: 129570

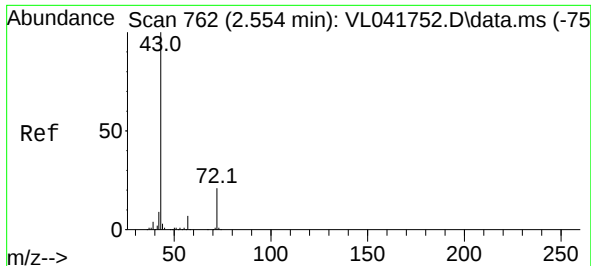
Ion Ratio Lower Upper

114 100

63 27.7 21.8 32.8

88 18.6 14.8 22.2





#34

2-Butanone

Concen: 0.030 ppbv

RT: 2.557 min Scan# 7

Delta R.T. 0.003 min

Lab File: VL041783.D

Acq: 17 Dec 2024 17:19

Instrument :

MSVOA_1

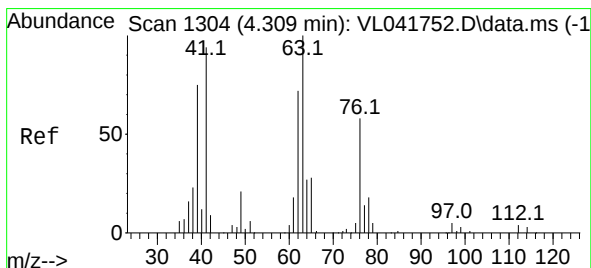
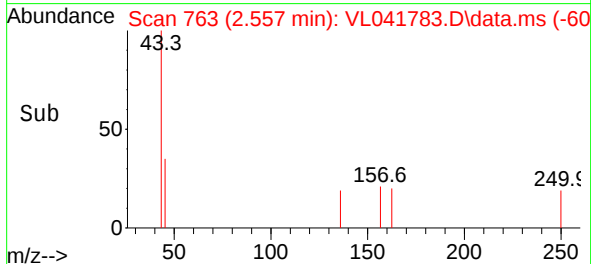
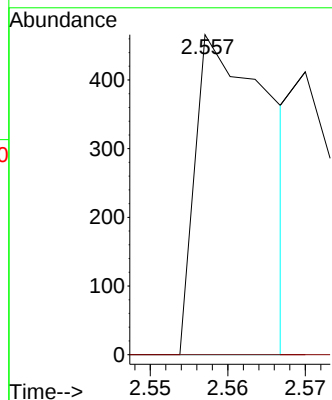
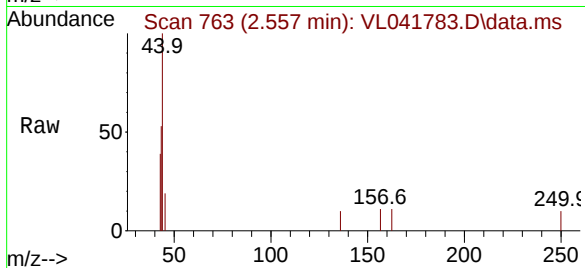
ClientSampleId :

Tgt Ion: 43 Resp: 317

Ion Ratio Lower Upper

43 100

72 0.0 16.8 25.2#



#39

1,2-Dichloropropane

Concen: 7.384 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.344 min

Lab File: VL041783.D

Acq: 17 Dec 2024 17:19

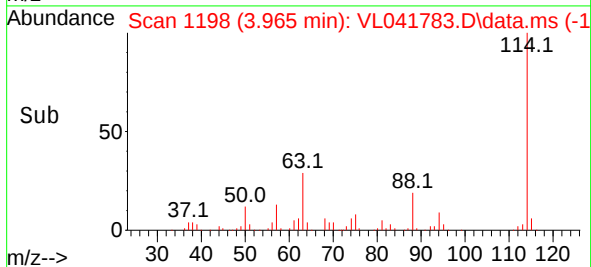
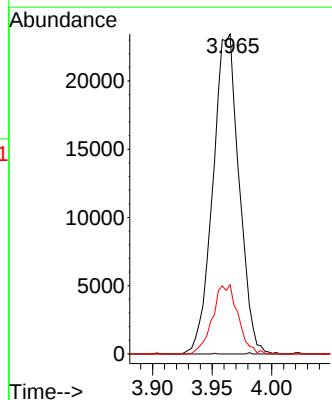
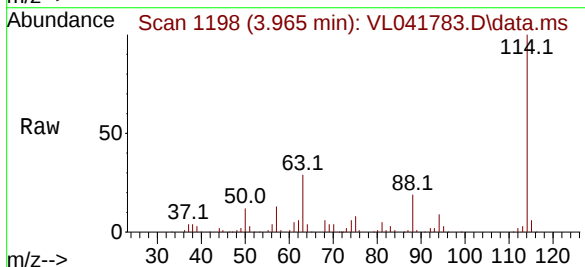
Tgt Ion: 63 Resp: 35793

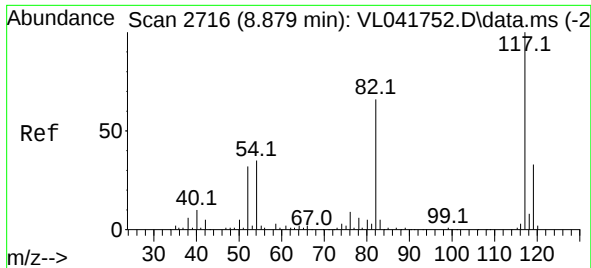
Ion Ratio Lower Upper

63 100

41 0.0 75.3 112.9#

62 21.6 57.3 85.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 21

Delta R.T. 0.009 min

Lab File: VL041783.D

Acq: 17 Dec 2024 17:19

Instrument :

MSVOA_L

ClientSampleId :

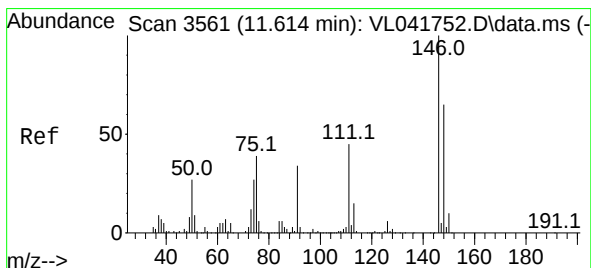
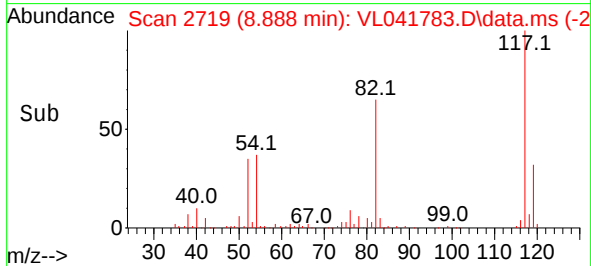
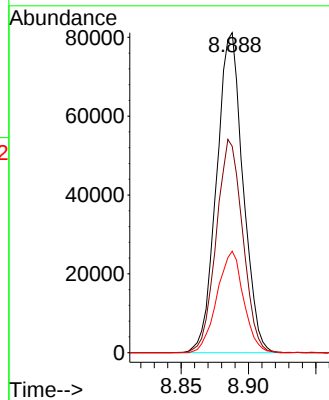
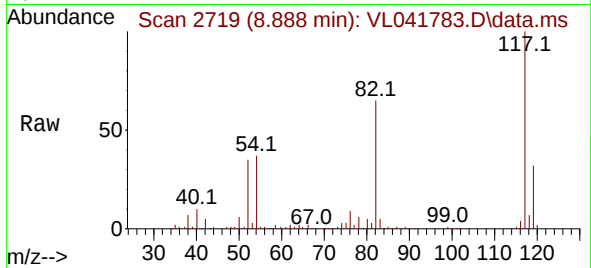
Tgt Ion:117 Resp: 110716

Ion Ratio Lower Upper

117 100

82 66.8 53.8 80.8

119 31.9 26.7 40.1



#66

Benzyl Chloride

Concen: 0.032 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.068 min

Lab File: VL041783.D

Acq: 17 Dec 2024 17:19

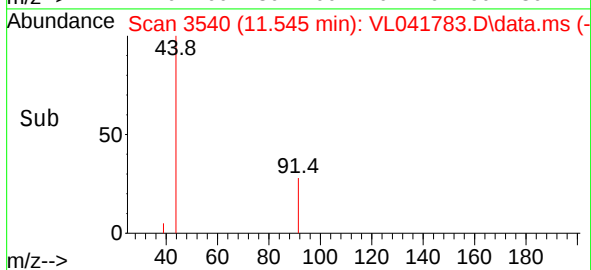
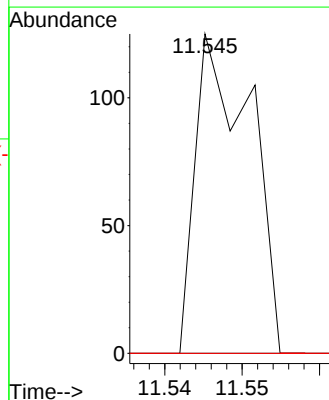
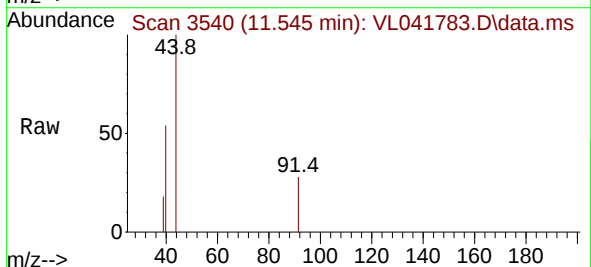
Tgt Ion: 91 Resp: 62

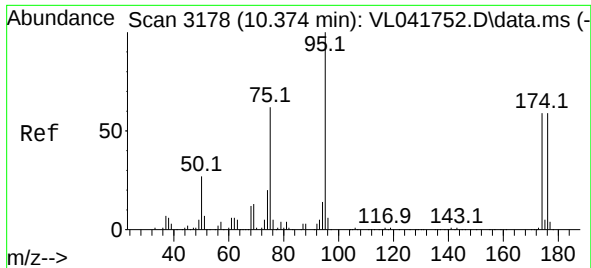
Ion Ratio Lower Upper

91 100

126 0.0 13.9 20.9#

128 0.0 4.4 6.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.821 ppbv
 RT: 10.380 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VL041783.D
 Acq: 17 Dec 2024 17:19

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 95 Resp: 90612
 Ion Ratio Lower Upper
 95 100
 174 57.8 47.6 71.4
 175 4.8 3.7 5.5

