

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042153.D
 Acq On : 17 Mar 2025 12:20
 Operator : SY/MD
 Sample : CAN 10326
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10326

Quant Time: Mar 18 01:23:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

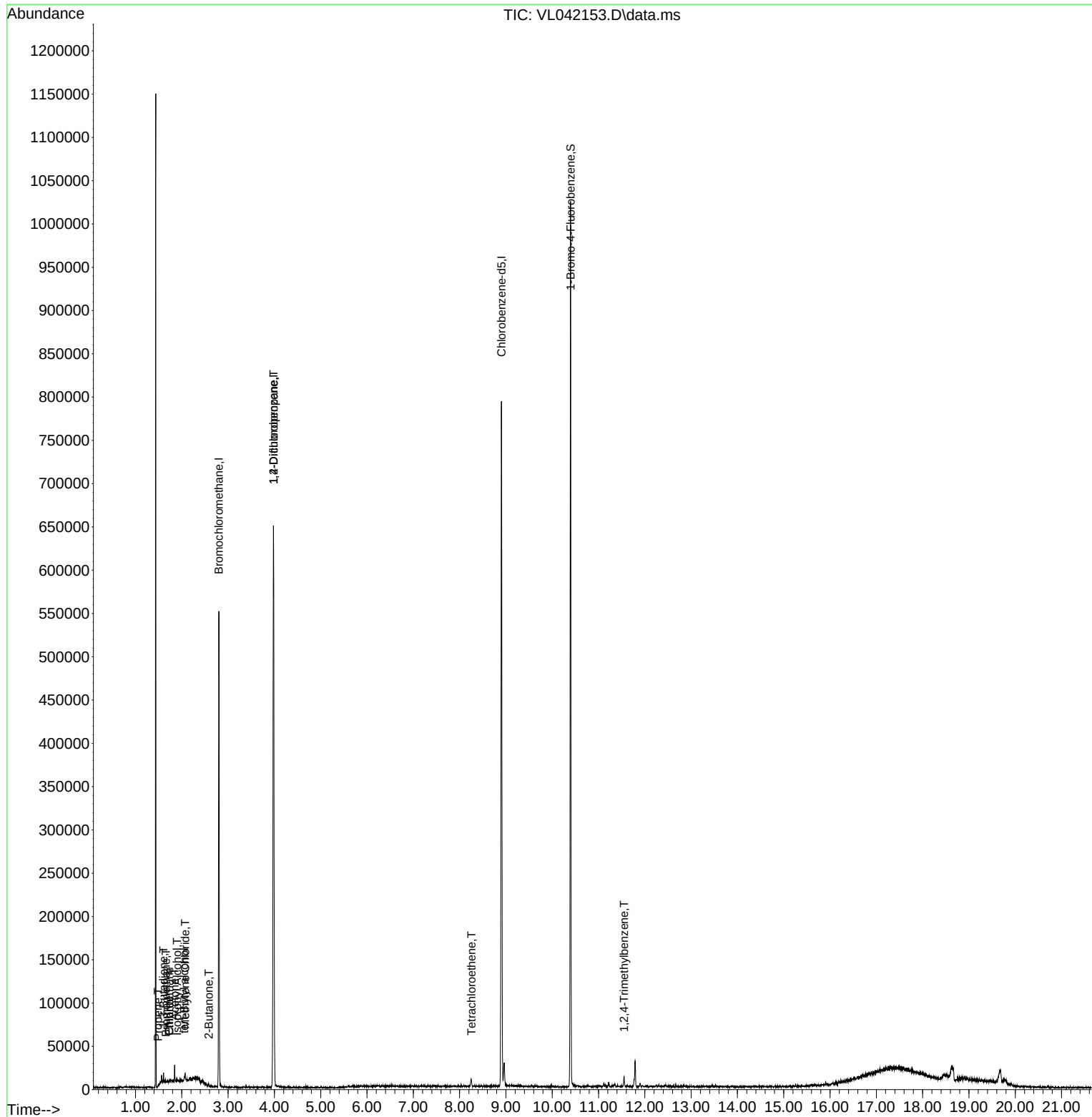
Internal Standards						
1) Bromochloromethane	2.800	49	162983	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	383368	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	317445	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	242244	9.919	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
6) Bromomethane	1.657	94	107	0.038	ppbv #	2
7) Chloroethane	1.732	64	83	0.034	ppbv #	80
9) Propene	1.489	41	294	0.030	ppbv #	67
13) Ethanol	1.732	45	124	0.202	ppbv #	1
15) Acetone	1.845	43	7411	0.515	ppbv	91
16) 1,3-Butadiene	1.606	39	1622	0.242	ppbv #	26
17) tert-Butyl alcohol	2.055	59	1517	0.084	ppbv #	55
19) Isopropyl Alcohol	1.897	45	870	0.105	ppbv #	54
20) Methylene Chloride	2.072	84	1132	0.208	ppbv #	72
34) 2-Butanone	2.580	43	1495	0.050	ppbv	96
39) 1,2-Dichloropropane	3.981	63	95152	6.246	ppbv #	24
52) Tetrachloroethene	8.254	164	659	0.048	ppbv #	83
74) 1,2,4-Trimethylbenzene	11.552	105	3578	0.064	ppbv #	65

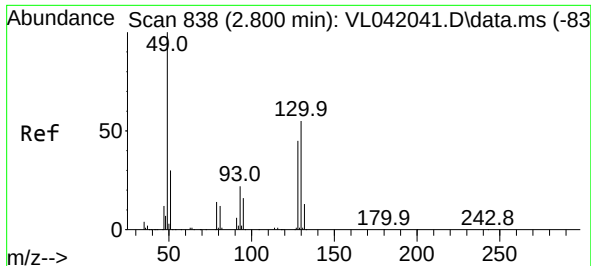
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 18 01:23:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

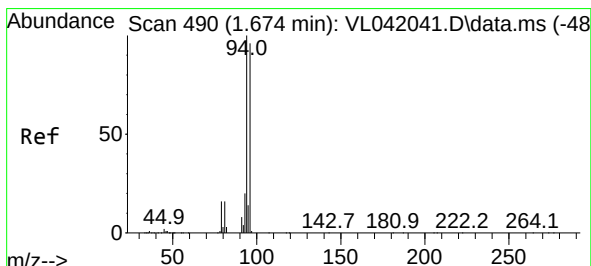
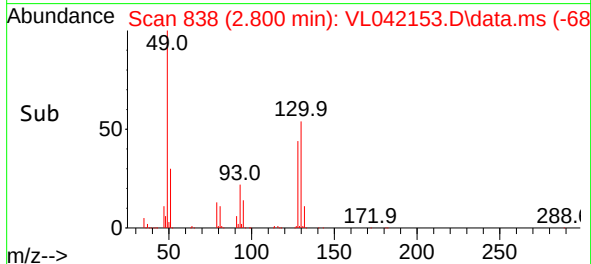
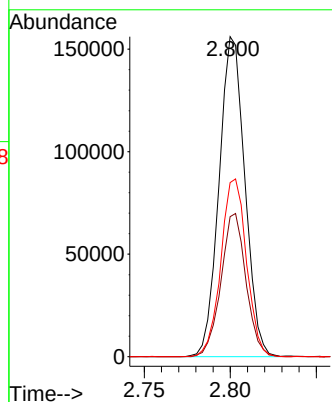
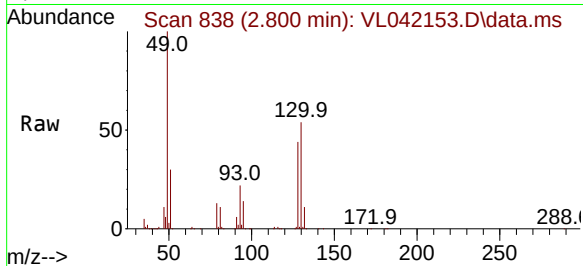




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

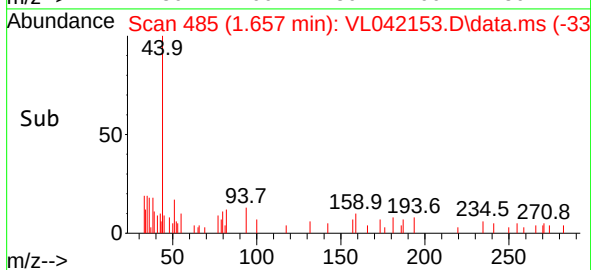
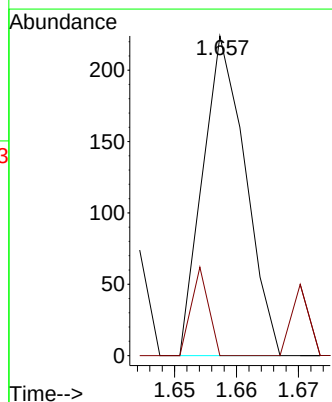
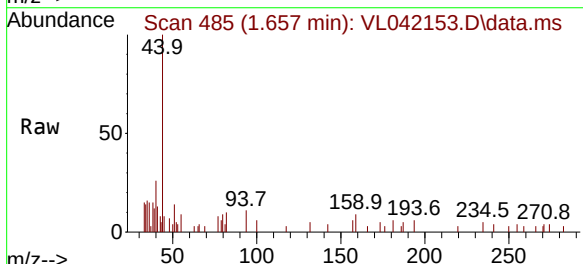
Instrument :
MSVOA_L
ClientSampleId :
CAN 10326

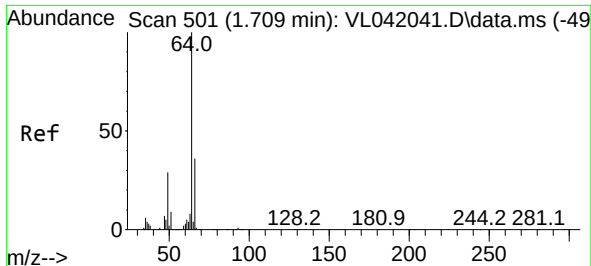
Tgt Ion: 49 Resp: 162983
Ion Ratio Lower Upper
49 100
128 43.4 21.6 64.8
130 55.1 27.8 83.4



#6
Bromomethane
Concen: 0.038 ppbv
RT: 1.657 min Scan# 485
Delta R.T. -0.016 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

Tgt Ion: 94 Resp: 107
Ion Ratio Lower Upper
94 100
96 0.0 76.5 114.7#

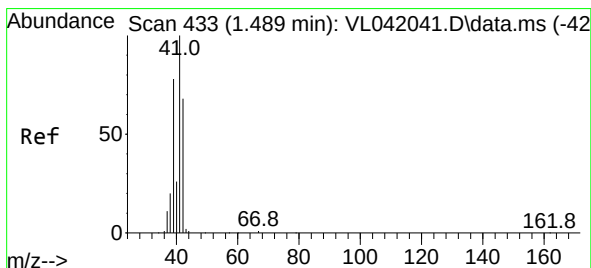
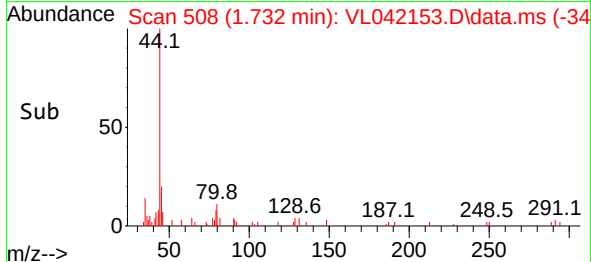
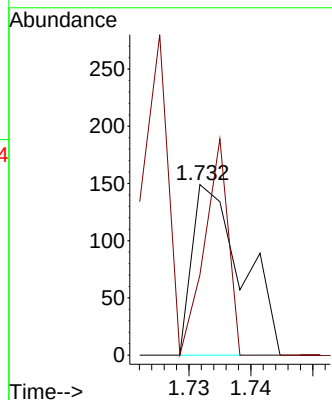
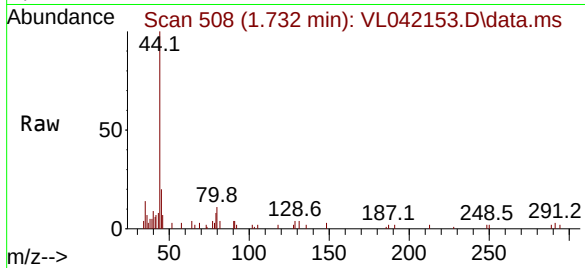




#7
Chloroethane
Concen: 0.034 ppbv
RT: 1.732 min Scan# 501
Delta R.T. 0.022 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

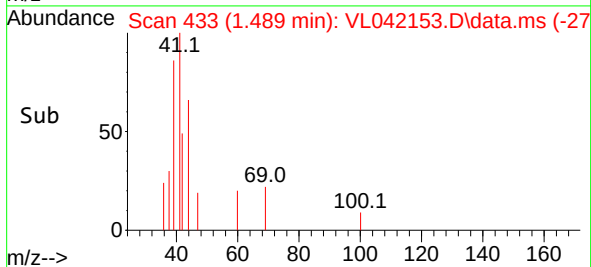
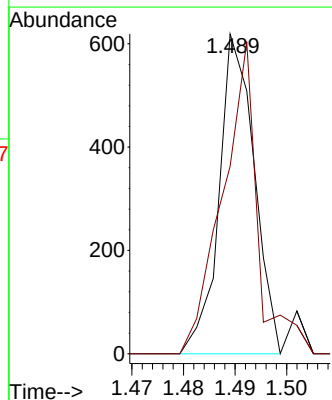
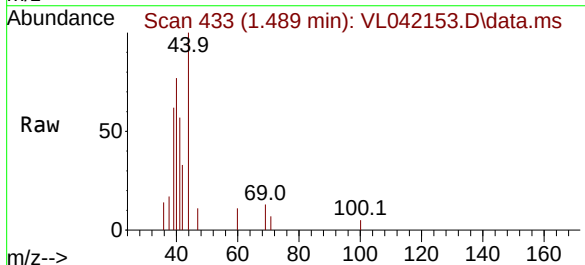
Instrument :
MSVOA_1
ClientSampleId :
CAN 10326

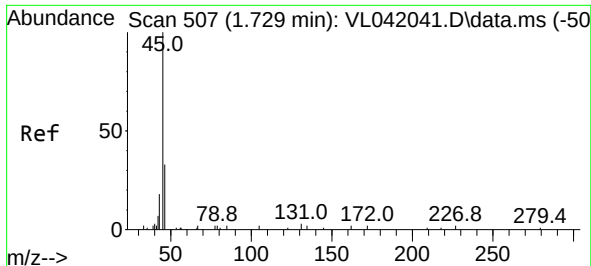
Tgt Ion: 64 Resp: 83
Ion Ratio Lower Upper
64 100
66 47.0 28.4 42.6#



#9
Propene
Concen: 0.030 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.000 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

Tgt Ion: 41 Resp: 294
Ion Ratio Lower Upper
41 100
42 96.9 55.8 83.6#

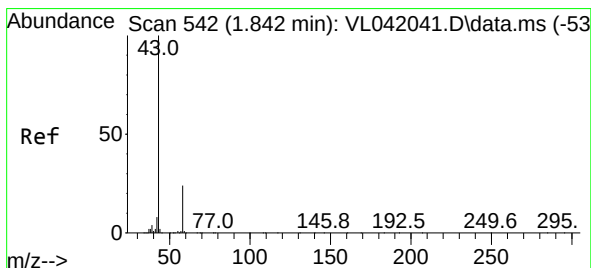
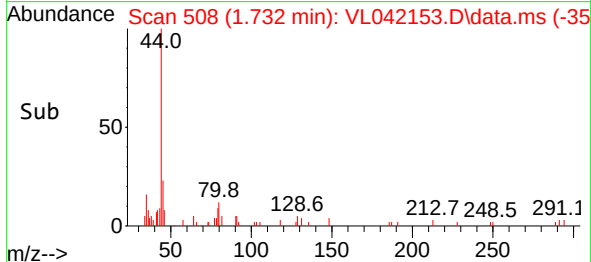
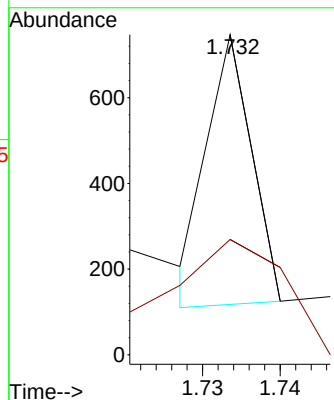
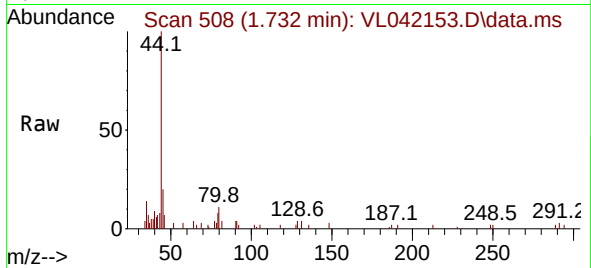




#13
Ethanol
Concen: 0.202 ppbv
RT: 1.732 min Scan# 507
Delta R.T. 0.003 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

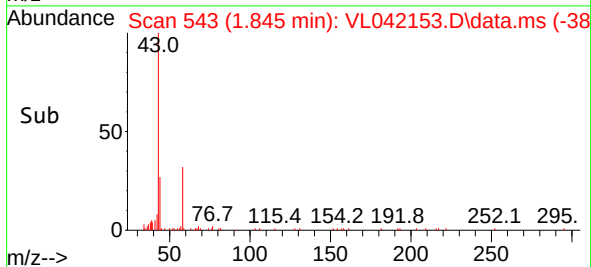
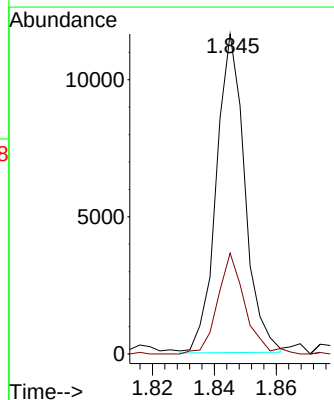
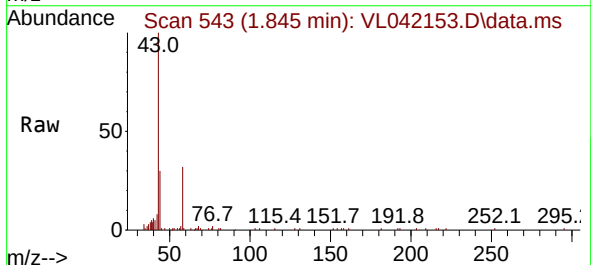
Instrument :
MSVOA_L
ClientSampleId :
CAN 10326

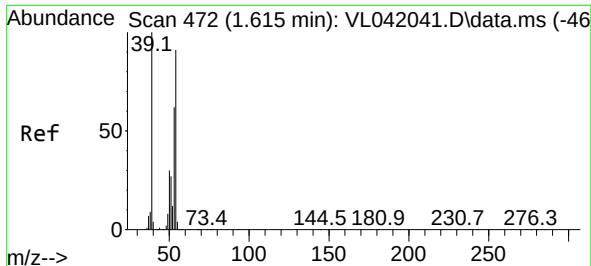
Tgt Ion: 45 Resp: 124
Ion Ratio Lower Upper
45 100
46 186.3 17.1 68.3#



#15
Acetone
Concen: 0.515 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

Tgt Ion: 43 Resp: 7411
Ion Ratio Lower Upper
43 100
58 30.5 20.7 31.1

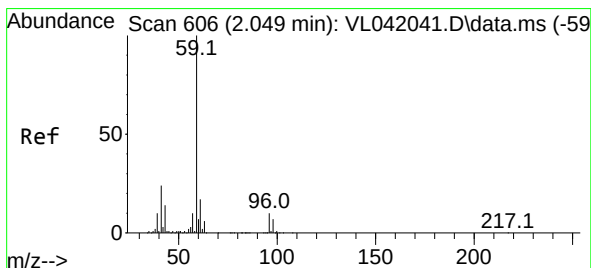
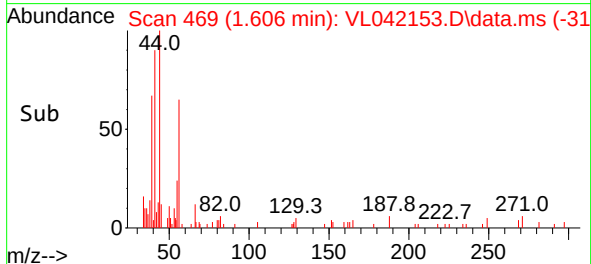
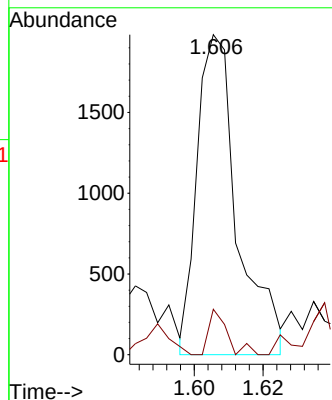
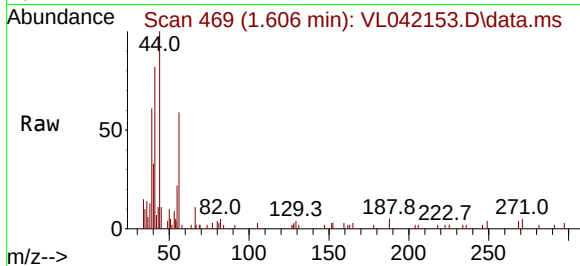




#16
1,3-Butadiene
Concen: 0.242 ppbv
RT: 1.606 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

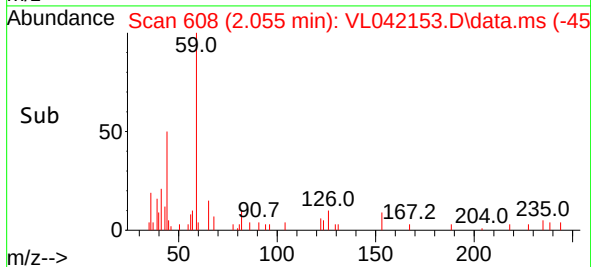
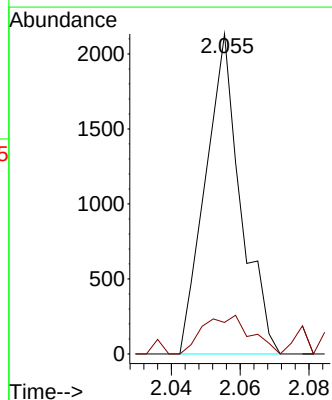
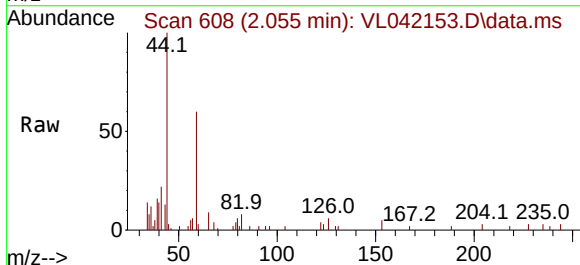
Instrument :
MSVOA_L
ClientSampleId :
CAN 10326

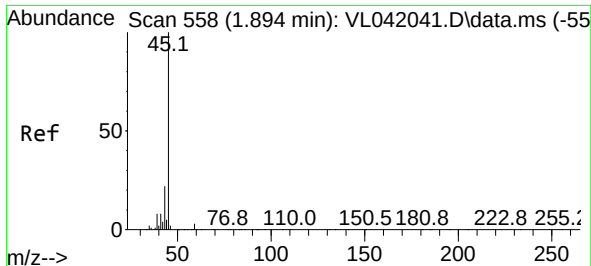
Tgt Ion: 39 Resp: 1622
Ion Ratio Lower Upper
39 100
54 11.8 59.6 89.4#



#17
tert-Butyl alcohol
Concen: 0.084 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.006 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

Tgt Ion: 59 Resp: 1517
Ion Ratio Lower Upper
59 100
57 29.1 9.3 13.9#

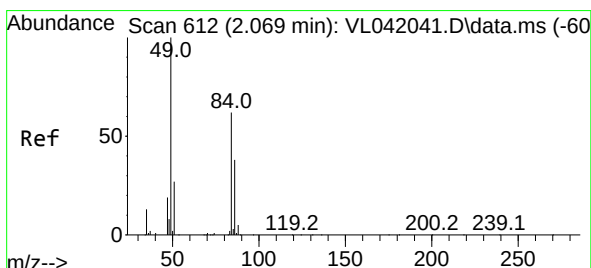
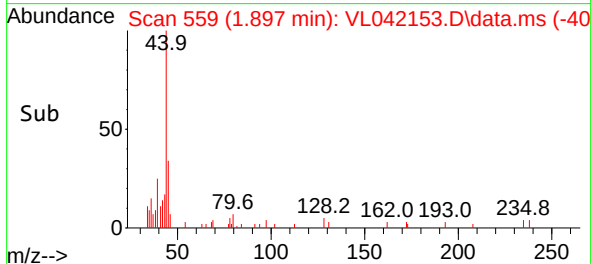
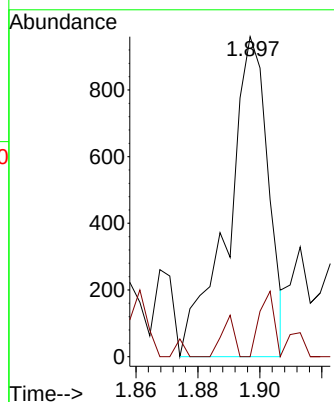
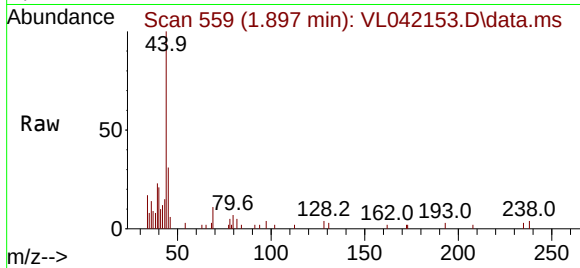




#19
Isopropyl Alcohol
Concen: 0.105 ppbv
RT: 1.897 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

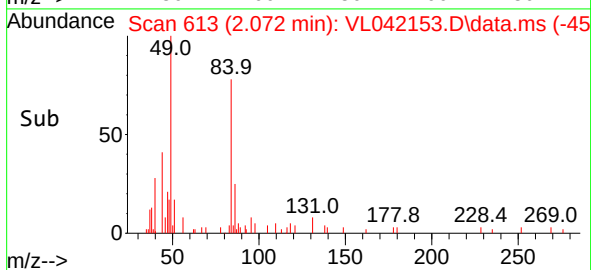
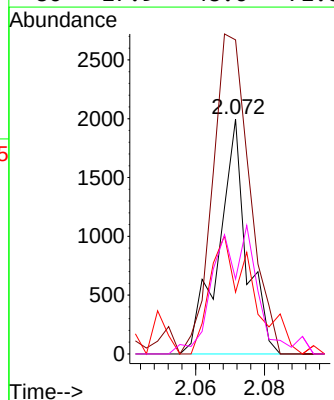
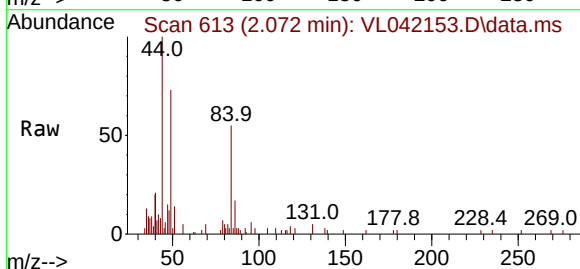
Instrument :
MSVOA_L
ClientSampleId :
CAN 10326

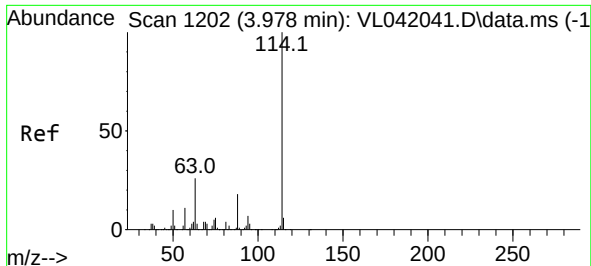
Tgt Ion: 45 Resp: 870
Ion Ratio Lower Upper
45 100
58 14.5 35.3 52.9#



#20
Methylene Chloride
Concen: 0.208 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

Tgt Ion: 84 Resp: 1132
Ion Ratio Lower Upper
84 100
49 133.8 130.0 195.0
51 26.3 37.4 56.0#
86 27.9 48.6 72.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042153.D

Acq: 17 Mar 2025 12:20

Instrument :

MSVOA_L

ClientSampleId :

CAN 10326

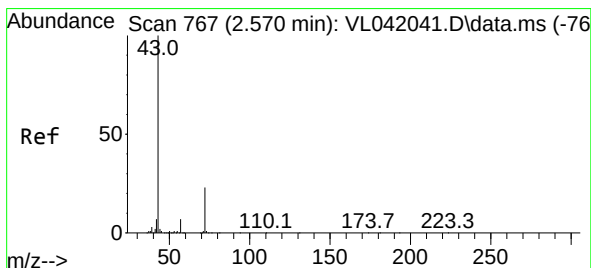
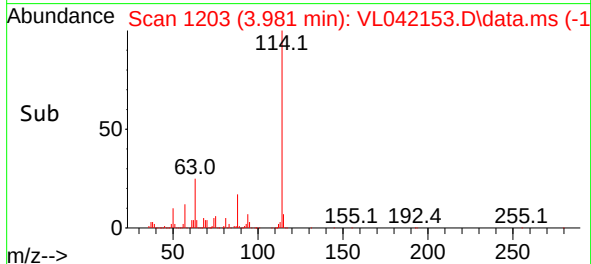
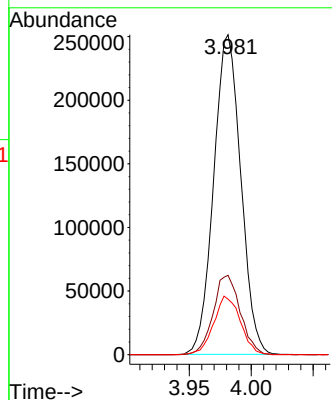
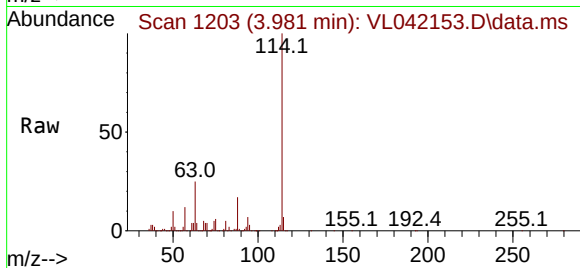
Tgt Ion:114 Resp: 383368

Ion Ratio Lower Upper

114 100

63 24.9 20.1 30.1

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 0.050 ppbv

RT: 2.580 min Scan# 770

Delta R.T. 0.010 min

Lab File: VL042153.D

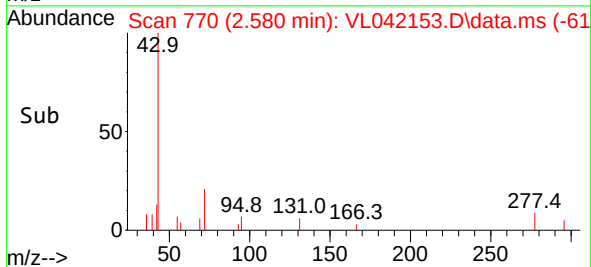
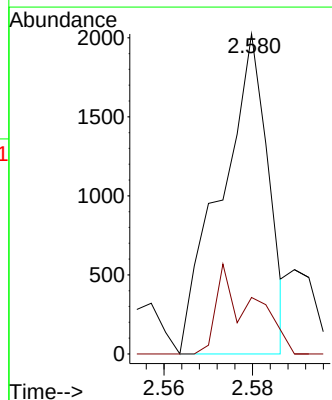
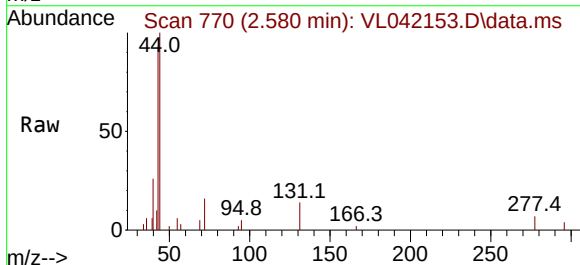
Acq: 17 Mar 2025 12:20

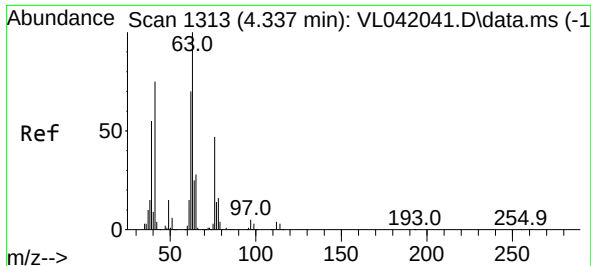
Tgt Ion: 43 Resp: 1495

Ion Ratio Lower Upper

43 100

72 21.3 18.5 27.7





#39

1,2-Dichloropropane

Concen: 6.246 ppbv

RT: 3.981 min Scan# 11

Delta R.T. -0.356 min

Lab File: VL042153.D

Acq: 17 Mar 2025 12:20

Instrument :

MSVOA_L

ClientSampleId :

CAN 10326

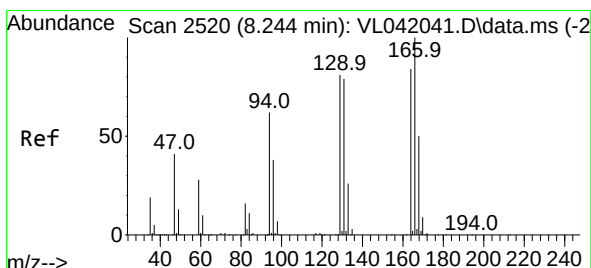
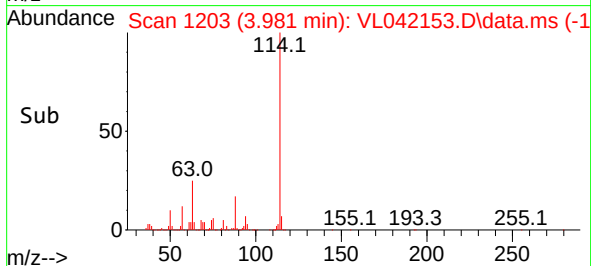
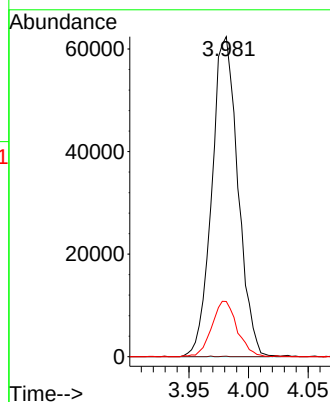
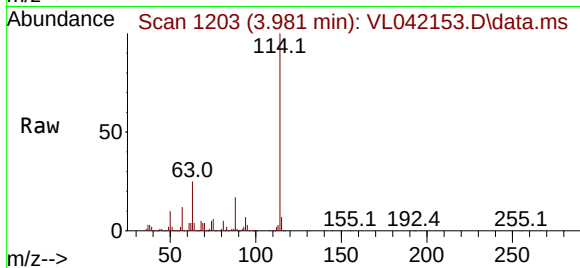
Tgt Ion: 63 Resp: 95152

Ion Ratio Lower Upper

63 100

41 0.2 60.1 90.1#

62 17.3 55.8 83.8#



#52

Tetrachloroethene

Concen: 0.048 ppbv

RT: 8.254 min Scan# 2523

Delta R.T. 0.010 min

Lab File: VL042153.D

Acq: 17 Mar 2025 12:20

Tgt Ion: 164 Resp: 659

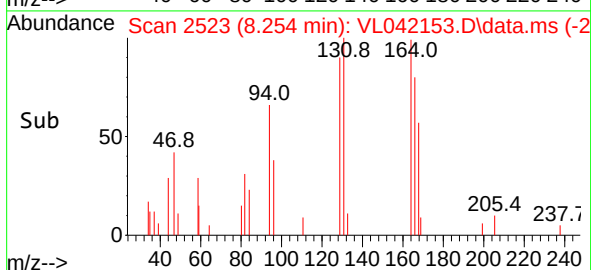
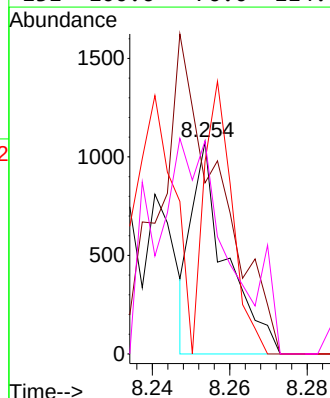
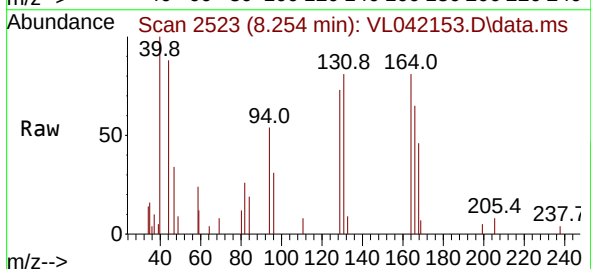
Ion Ratio Lower Upper

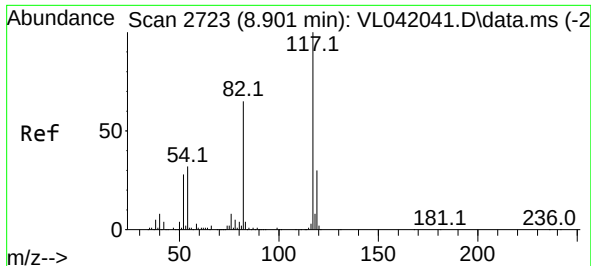
164 100

166 80.7 95.7 143.5#

129 90.7 77.1 115.7

131 100.6 76.0 114.0

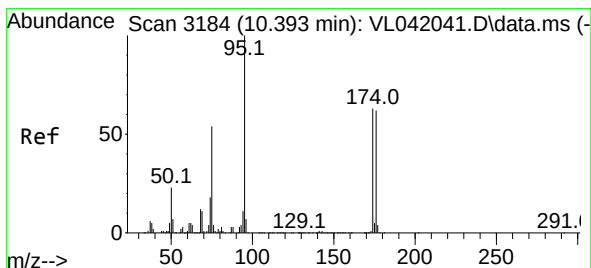
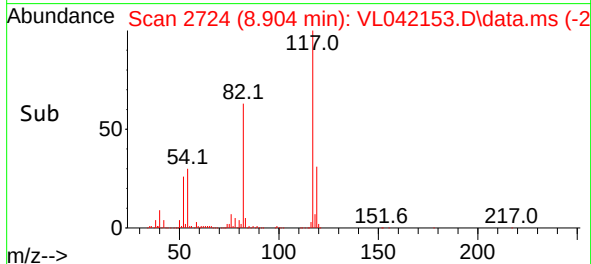
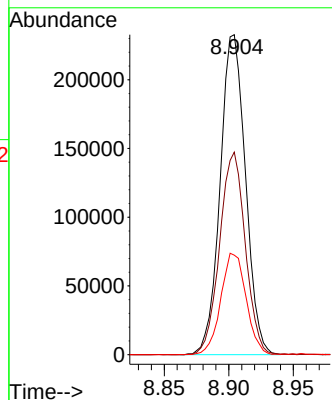
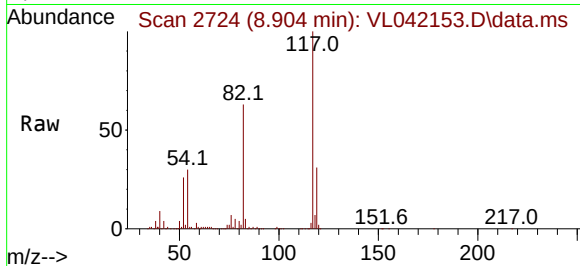




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

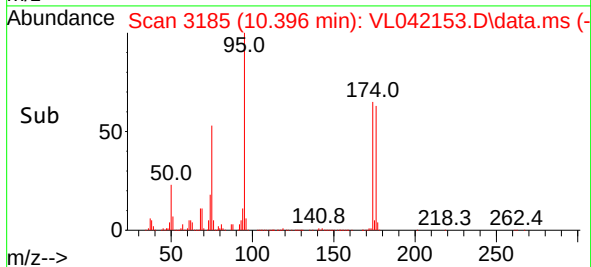
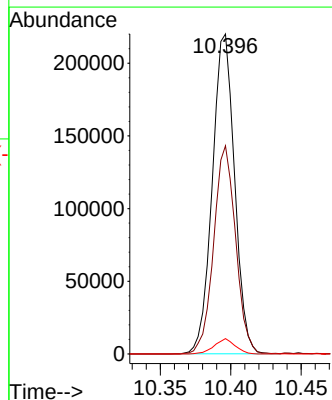
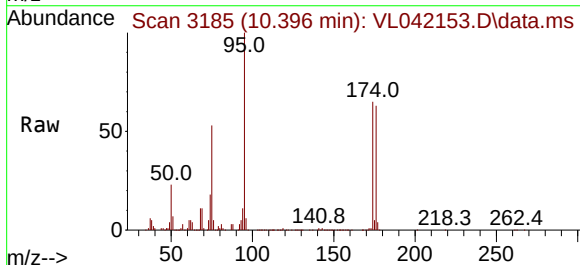
Instrument :
MSVOA_L
ClientSampleId :
CAN 10326

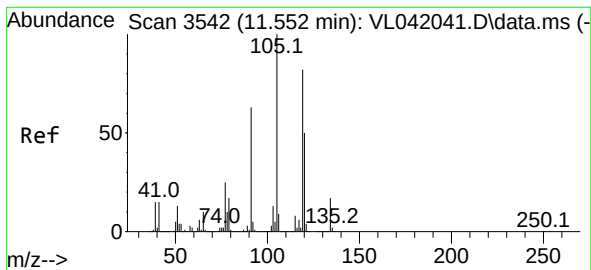
Tgt Ion:117 Resp: 317445
Ion Ratio Lower Upper
117 100
82 64.2 55.0 82.6
119 32.1 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.919 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.003 min
Lab File: VL042153.D
Acq: 17 Mar 2025 12:20

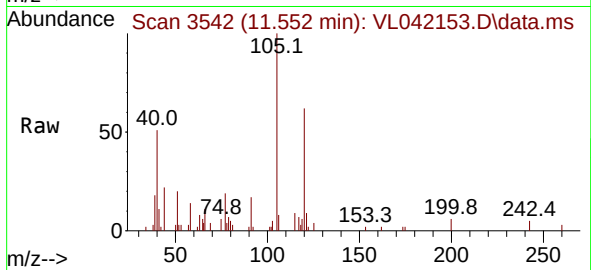
Tgt Ion: 95 Resp: 242244
Ion Ratio Lower Upper
95 100
174 64.5 51.8 77.6
175 4.5 3.9 5.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.064 ppbv
 RT: 11.552 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VL042153.D
 Acq: 17 Mar 2025 12:20

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10326



Tgt Ion:	105	Resp:	3578
Ion	Ratio	Lower	Upper
105	100		
120	60.0	40.2	60.2
91	17.3	51.4	77.2#
77	18.8	20.1	30.1#

