

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037466.D
 Acq On : 16 Aug 2021 18:03
 Operator : SY/AP
 Sample : M3277-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E057-1100

Quant Time: Aug 17 11:21:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1355097	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4094791	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3380876	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2663167	11.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.90%

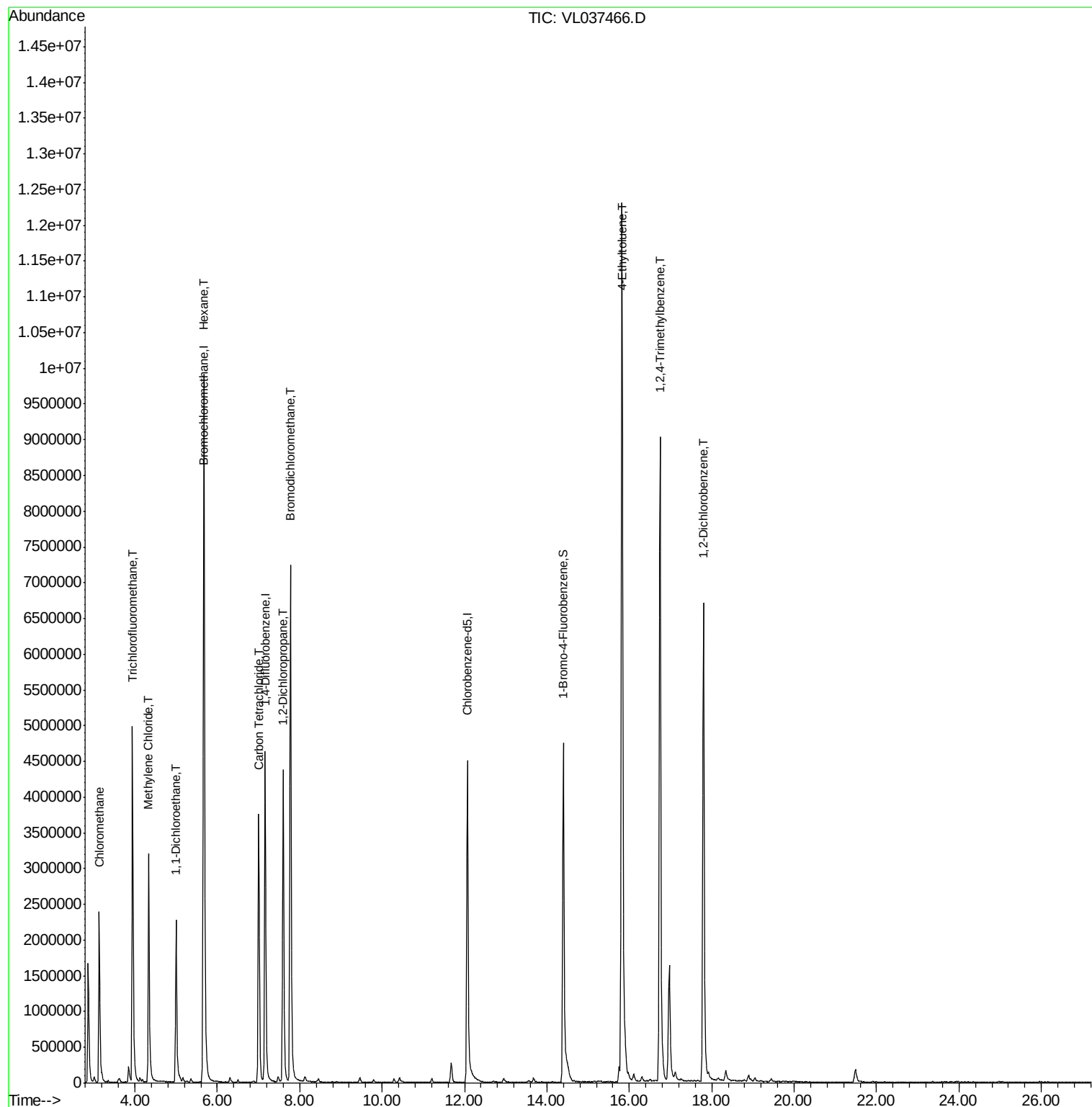
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.13	50	2838214	30.608	ppbv	93
11) Trichlorofluoromethane	3.94	101	4119525	20.185	ppbv	97
20) Methylene Chloride	4.34	84	1377844	19.955	ppbv	97
24) 1,1-Dichloroethane	5.00	63	2389607	16.208	ppbv	98
26) Hexane	5.67	57	4483788	26.194	ppbv #	45
35) Carbon Tetrachloride	7.01	117	2594842	10.723	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1846330	13.959	ppbv	94
42) Bromodichloromethane	7.78	83	5746393	23.048	ppbv	95
72) 4-Ethyltoluene	15.82	105	12463743	27.602	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	8156243	18.261	ppbv #	68
77) 1,2-Dichlorobenzene	17.80	146	4118890	15.558	ppbv	99

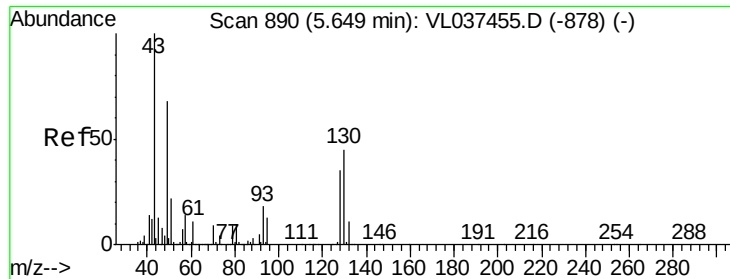
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081621\
Data File : VL037466.D
Acq On : 16 Aug 2021 18:03
Operator : SY/AP
Sample : M3277-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
E057-1100

Quant Time: Aug 17 11:21:26 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

E057-1100

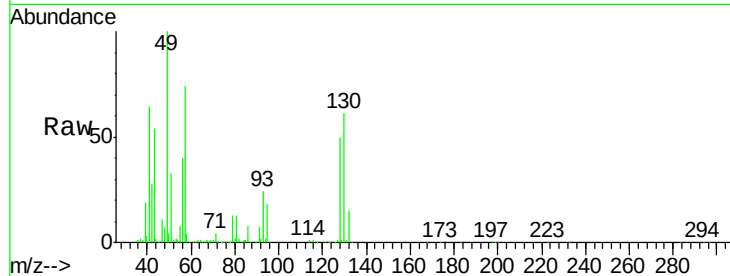
Tot Ion: 49 Resp: 1355097

Ion Ratio Lower Upper

49 100

128 54.0 27.5 82.4

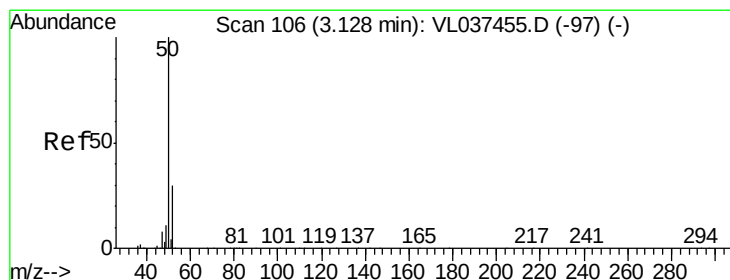
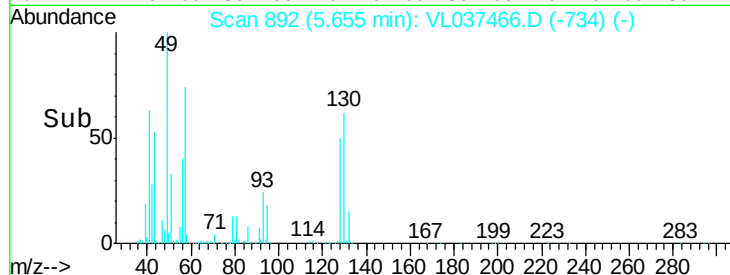
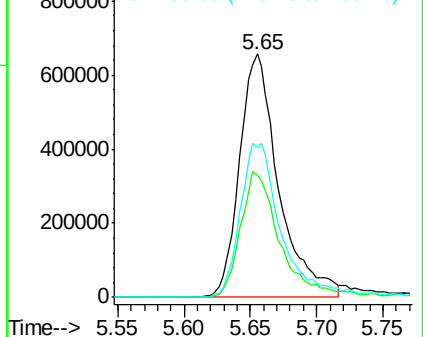
130 67.8 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#4

Chloromethane

Concen: 30.608 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL037466.D

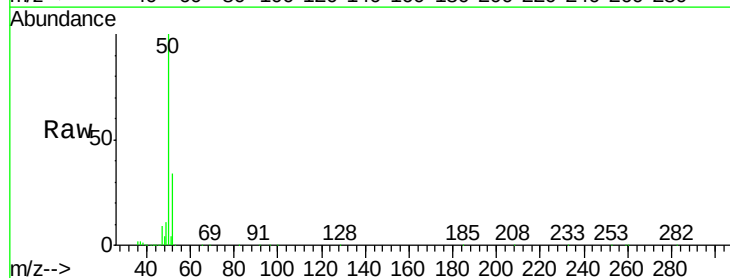
Acq: 16 Aug 2021 18:03

Tgt Ion: 50 Resp: 2838214

Ion Ratio Lower Upper

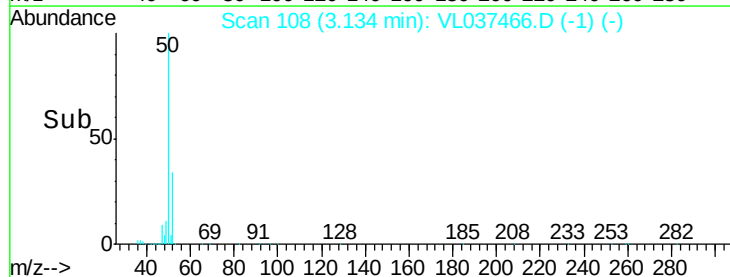
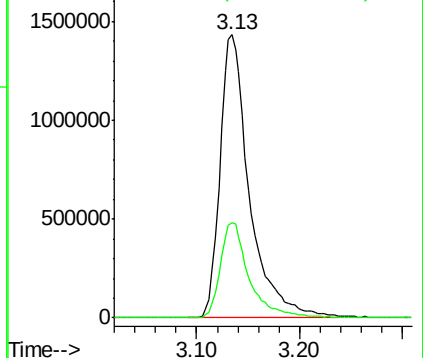
50 100

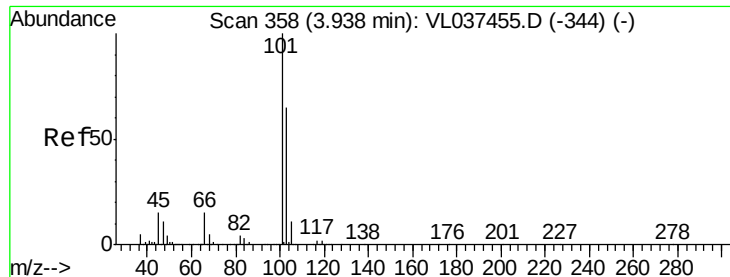
52 33.7 24.0 36.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

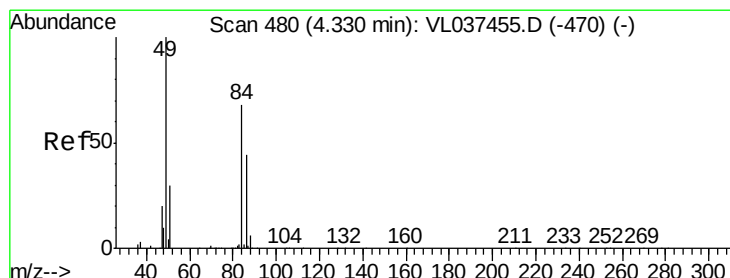
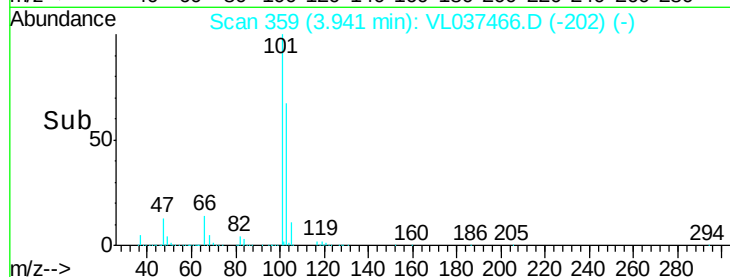
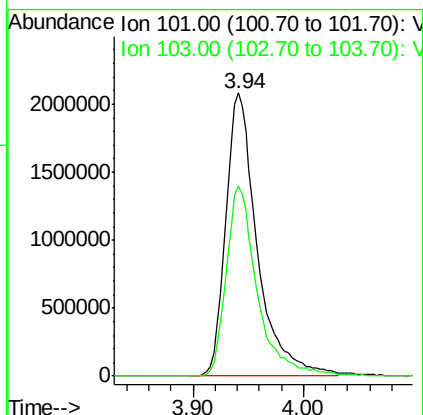
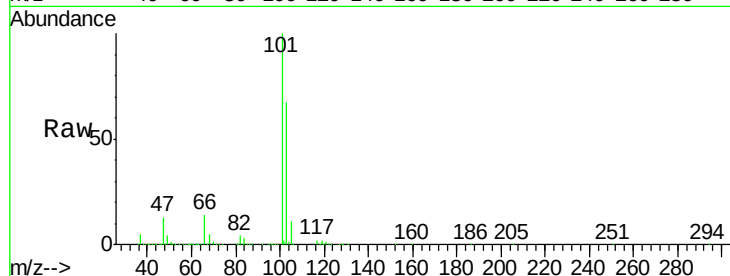




#11
 Trichlorofluoromethane
 Concen: 20.185 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

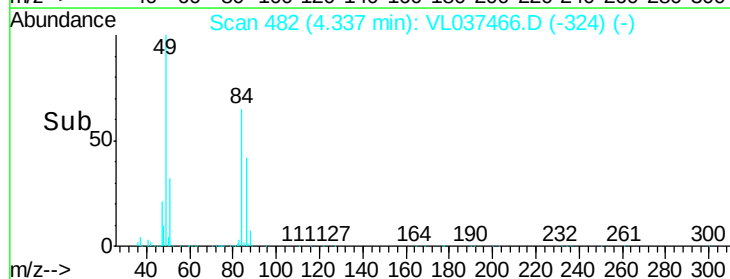
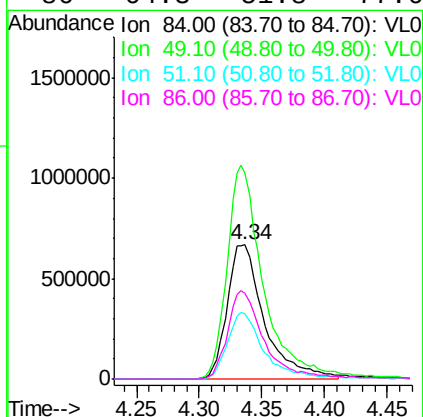
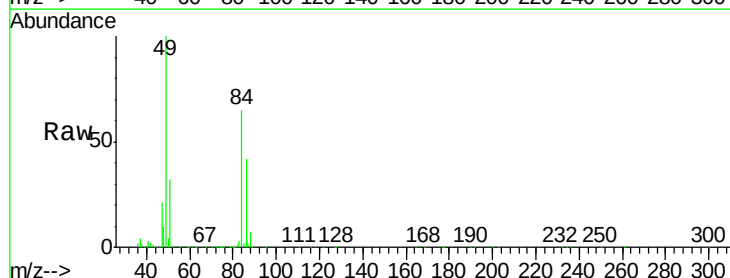
Instrument :
 MSVOA_L
 ClientSampleId :
 E057-1100

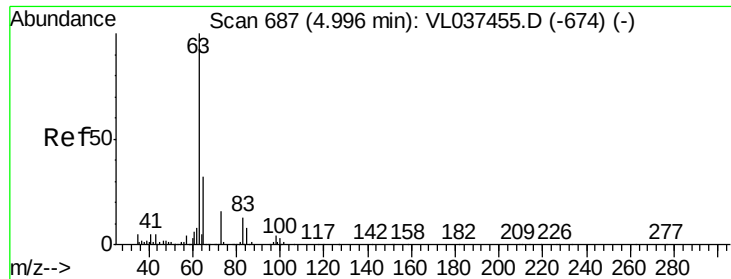
Tot Ion:101 Resp: 4119525
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.8 77.6



#20
 Methylene Chloride
 Concen: 19.955 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. 0.01 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

Tgt Ion: 84 Resp: 1377844
 Ion Ratio Lower Upper
 84 100
 49 153.4 118.2 177.2
 51 48.4 36.6 55.0
 86 64.3 51.8 77.6

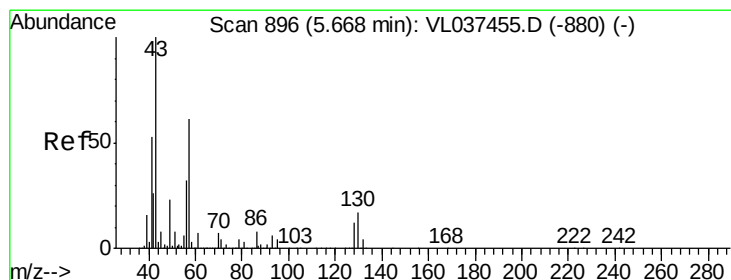
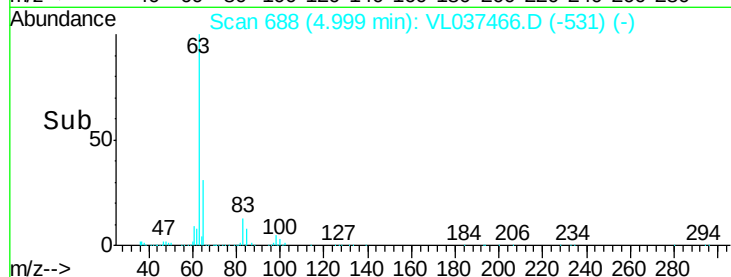
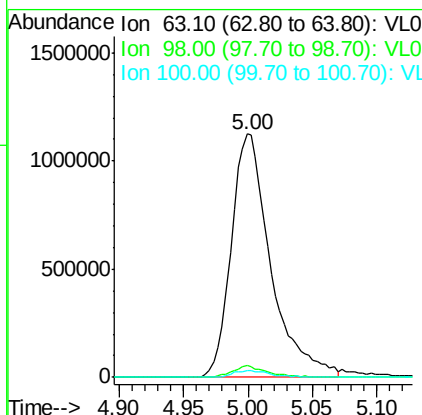
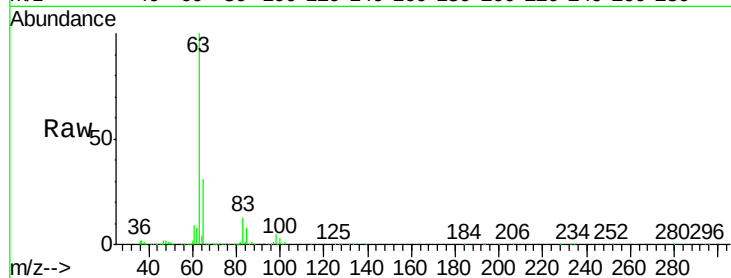




#24
 1,1-Dichloroethane
 Concen: 16.208 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

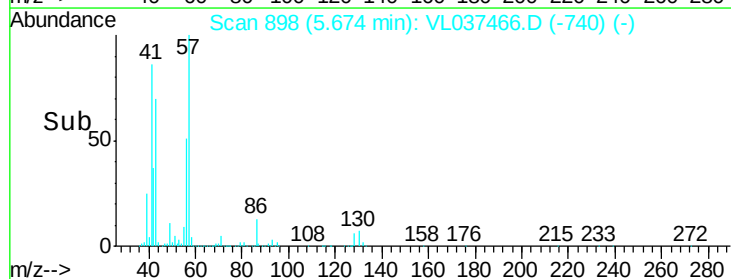
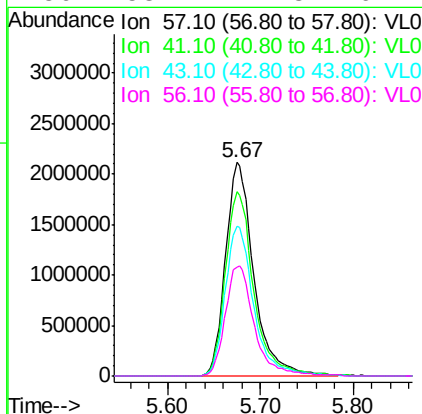
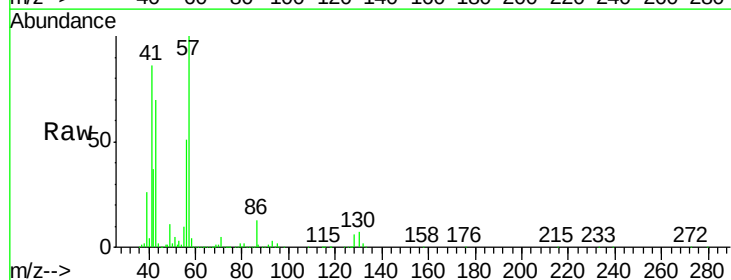
Instrument :
 MSVOA_L
 ClientSampleId :
 E057-1100

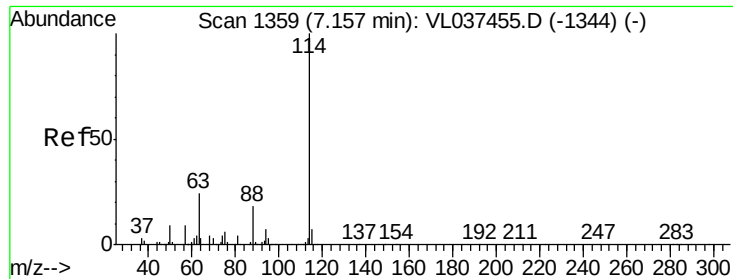
Tot Ion: 63 Resp: 2389607
 Ion Ratio Lower Upper
 63 100
 98 4.8 2.1 6.3
 100 2.8 1.6 4.7



#26
 Hexane
 Concen: 26.194 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

Tgt Ion: 57 Resp: 4483788
 Ion Ratio Lower Upper
 57 100
 41 87.2 72.3 108.5
 43 71.0 172.3 258.5#
 56 53.1 42.8 64.2

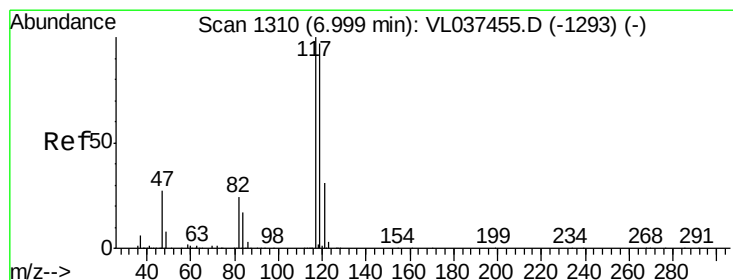
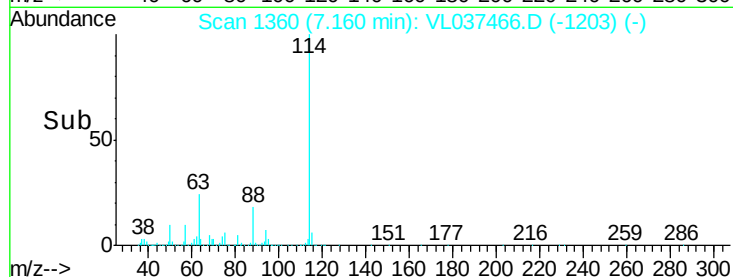
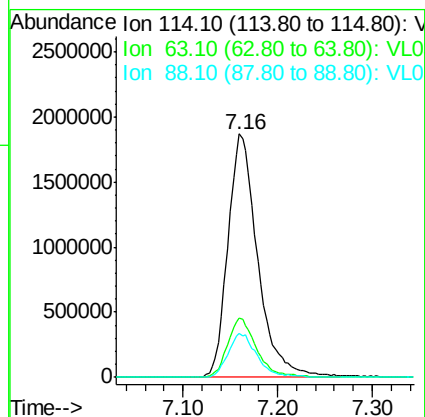
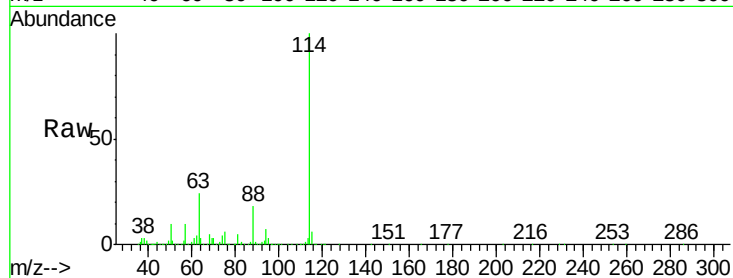




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

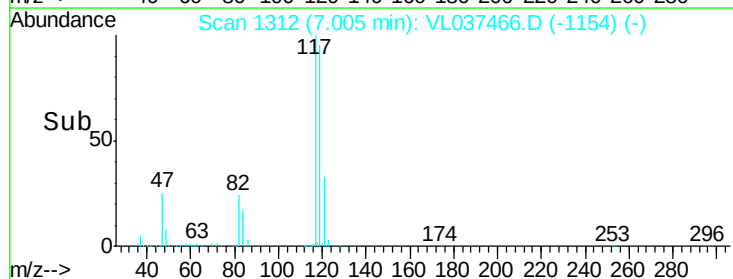
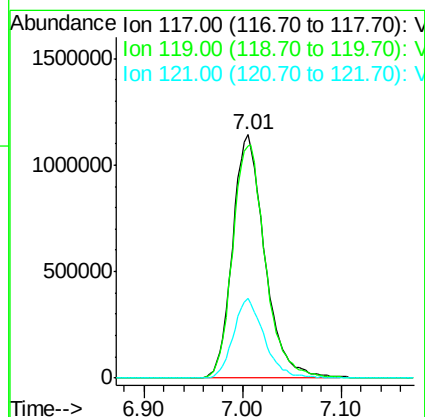
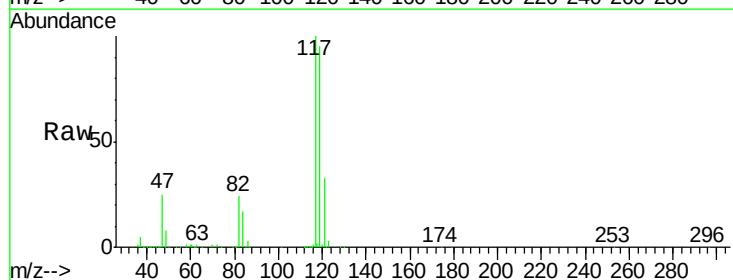
Instrument :
 MSVOA_L
 ClientSampleId :
 E057-1100

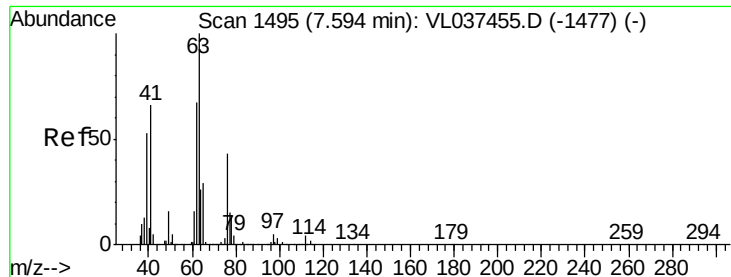
Tot Ion:114 Resp: 4094791
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.3 28.9
 88 17.8 14.2 21.4



#35
 Carbon Tetrachloride
 Concen: 10.723 ppbv
 RT: 7.01 min Scan# 1312
 Delta R.T. 0.01 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

Tgt Ion:117 Resp: 2594842
 Ion Ratio Lower Upper
 117 100
 119 95.3 77.3 115.9
 121 32.7 25.2 37.8





#39

1,2-Dichloropropane

Concen: 13.959 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

E057-1100

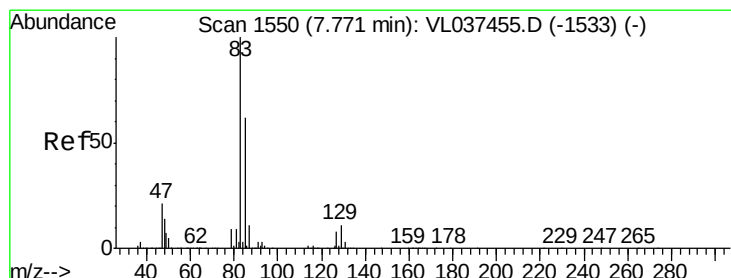
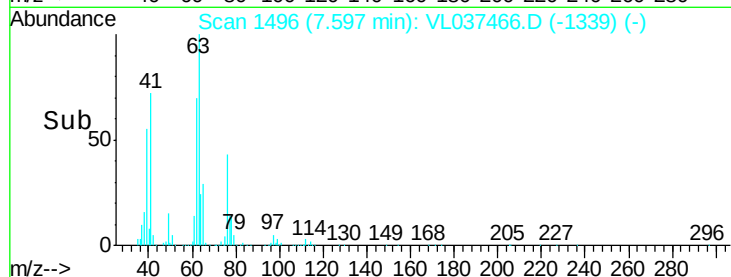
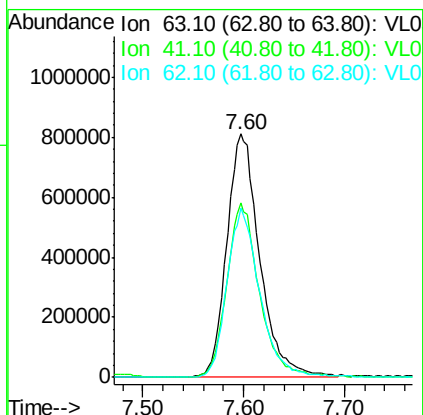
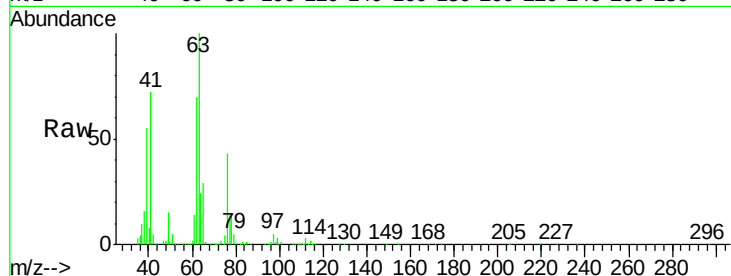
Tot Ion: 63 Resp: 1846330

Ion Ratio Lower Upper

63 100

41 71.8 52.4 78.6

62 69.8 53.6 80.4



#42

Bromodichloromethane

Concen: 23.048 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

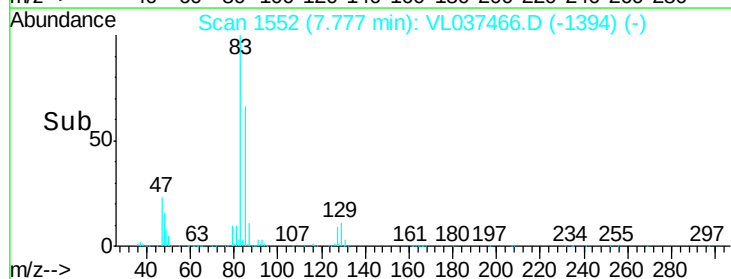
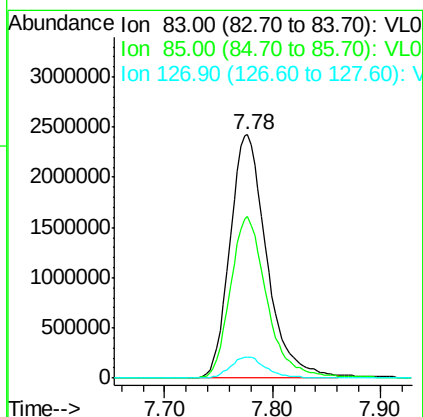
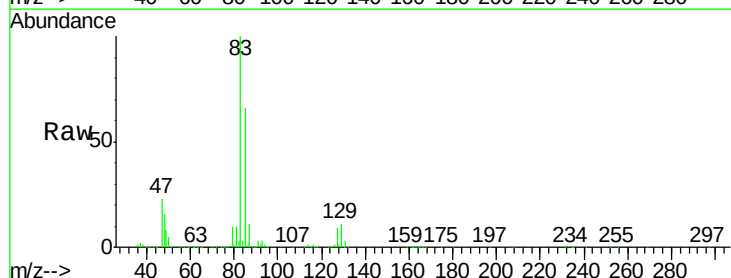
Tgt Ion: 83 Resp: 5746393

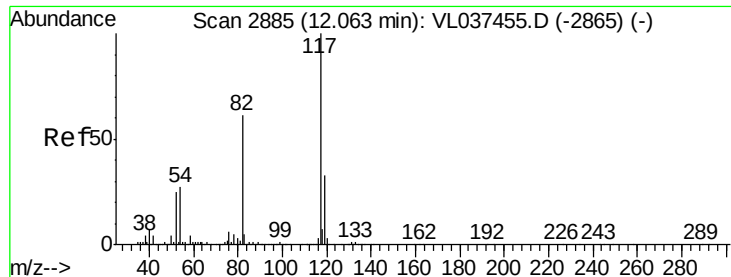
Ion Ratio Lower Upper

83 100

85 66.4 49.5 74.3

127 8.6 6.3 9.5

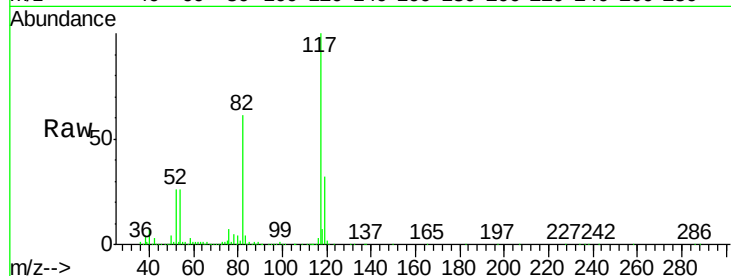




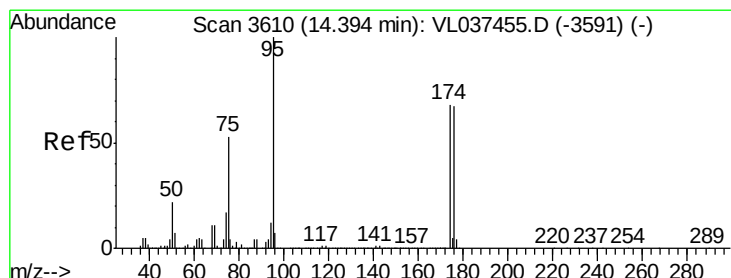
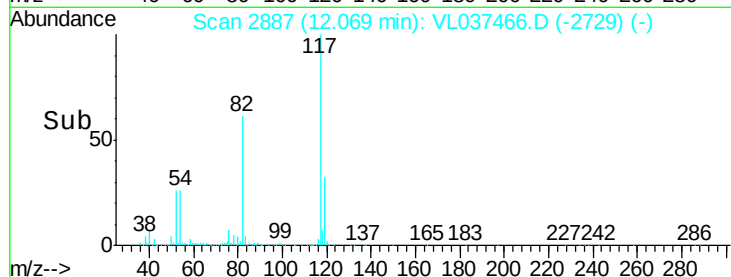
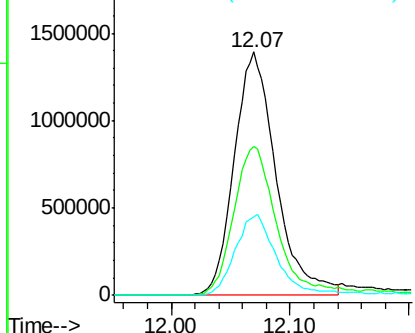
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :
E057-1100

Tot Ion:117 Resp: 3380876
Ion Ratio Lower Upper
117 100
82 67.7 52.9 79.3
119 34.2 24.8 37.2

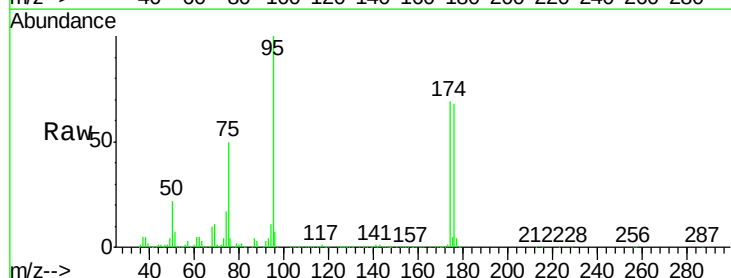


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

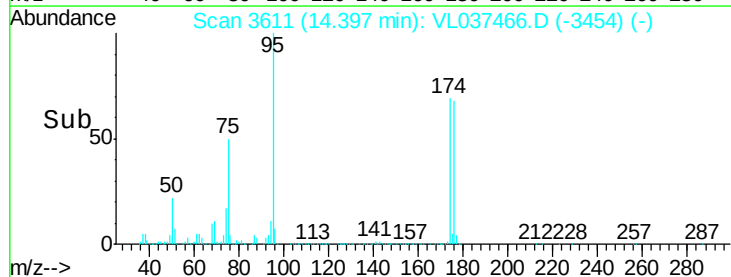
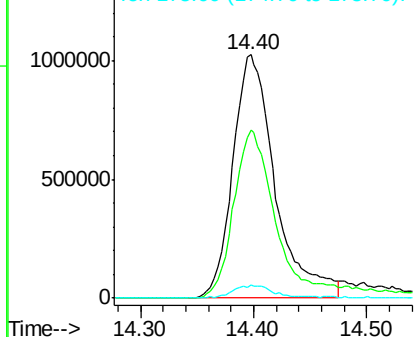


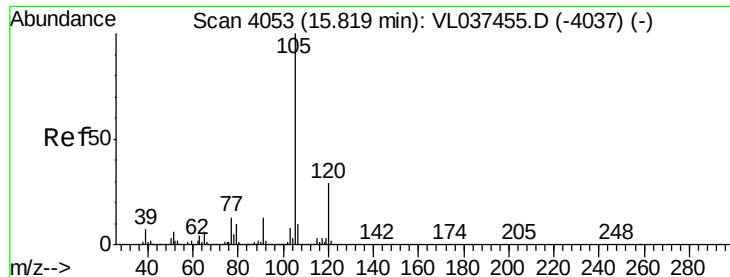
#68
1-Bromo-4-Fluorobenzene
Concen: 11.088 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

Tgt Ion: 95 Resp: 2663167
Ion Ratio Lower Upper
95 100
174 74.5 59.6 89.4
175 5.1 4.6 7.0



Abundance Ion 95.10 (94.80 to 95.80): V
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 27.602 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

E057-1100

Tot Ion:105 Resp:12463743

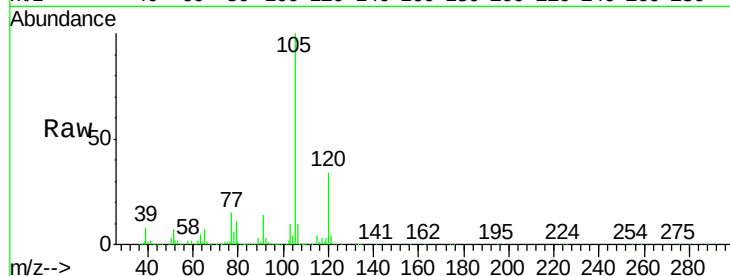
Ion Ratio Lower Upper

105 100

120 32.6 24.7 37.1

91 13.8 9.8 14.8

77 14.7 10.6 15.8

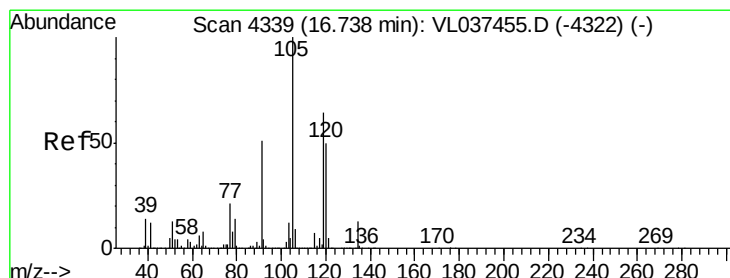
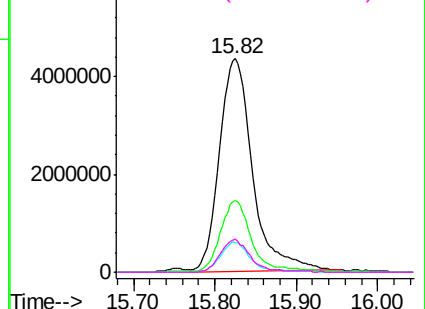
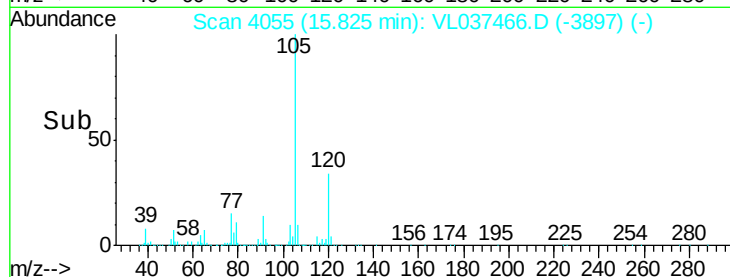


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#74

1,2,4-Trimethylbenzene

Concen: 18.261 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Tgt Ion:105 Resp: 8156243

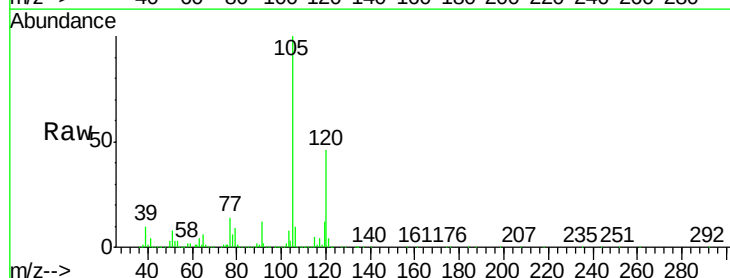
Ion Ratio Lower Upper

105 100

120 45.9 40.4 60.6

91 12.1 44.6 67.0#

77 14.1 17.8 26.6#

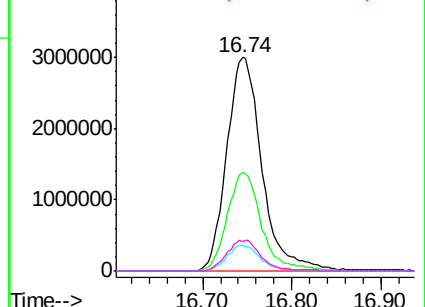
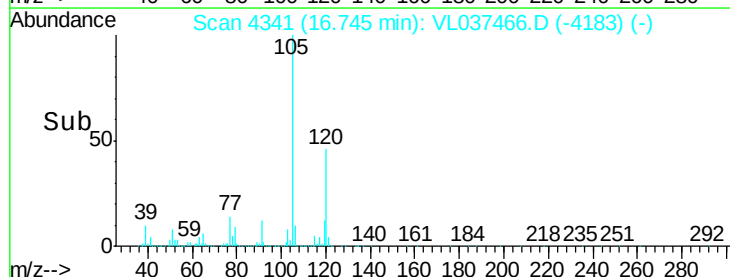


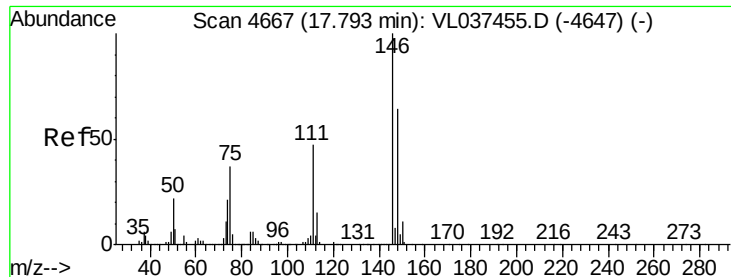
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#77

1,2-Dichlorobenzene

Concen: 15.558 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

E057-1100

Tot Ion:146 Resp: 4118890

Ion Ratio Lower Upper

146 100

111 48.0 23.4 70.3

148 65.0 32.5 97.5

