

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081320\
 Data File : VL035403.D
 Acq On : 13 Aug 2020 16:26
 Operator : SY/AP
 Sample : L3510-01DL 2X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

Quant Time: Aug 15 15:02:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 12 20:32:44 2020
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1289371	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2873461	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2810846	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2546095	11.22	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.20%

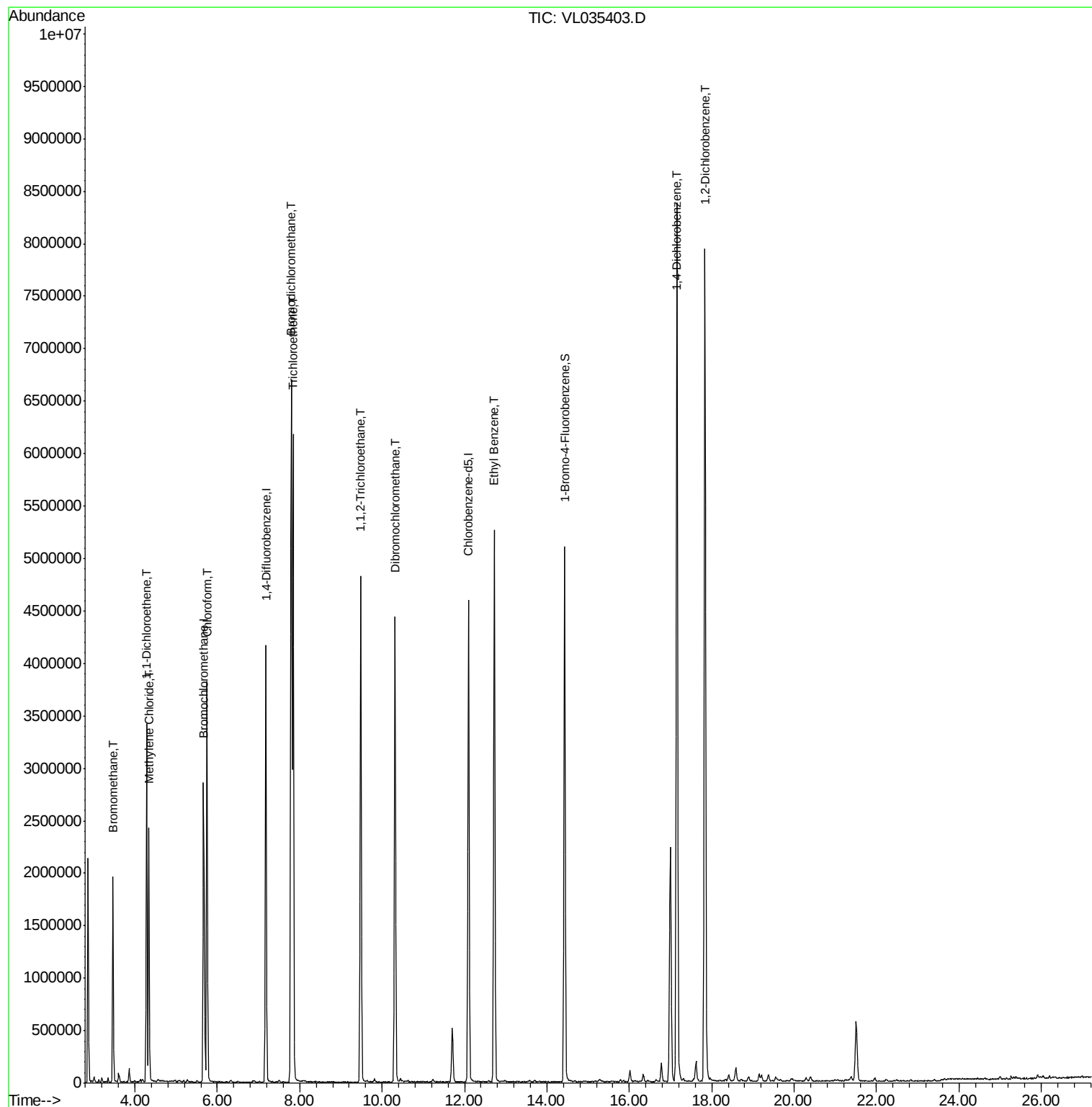
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.47	94	983010	21.410	ppbv	97
18) 1,1-Dichloroethene	4.28	96	930385	15.847	ppbv	99
20) Methylene Chloride	4.34	84	763295	12.447	ppbv	96
29) Chloroform	5.75	83	2557749	12.219	ppbv	97
38) Trichloroethene	7.84	130	1822245	16.875	ppbv	95
42) Bromodichloromethane	7.79	83	4585128	21.281	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1650757	14.917	ppbv	98
48) Dibromochloromethane	10.31	129	2630421	14.871	ppbv	100
58) Ethyl Benzene	12.73	91	4846257	10.908	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	4089760	16.897	ppbv	97
77) 1,2-Dichlorobenzene	17.84	146	4006143	16.862	ppbv	98

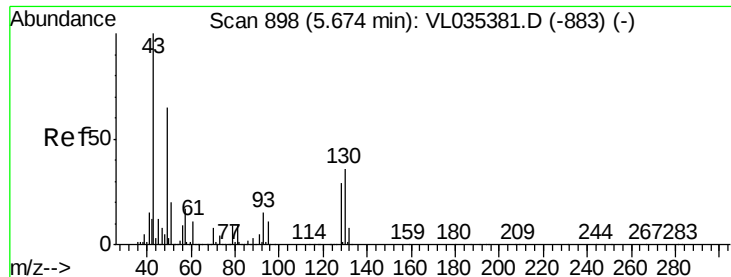
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 15 15:02:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 12 20:32:44 2020
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL035403.D

Acq: 13 Aug 2020 16:26

Instrument :

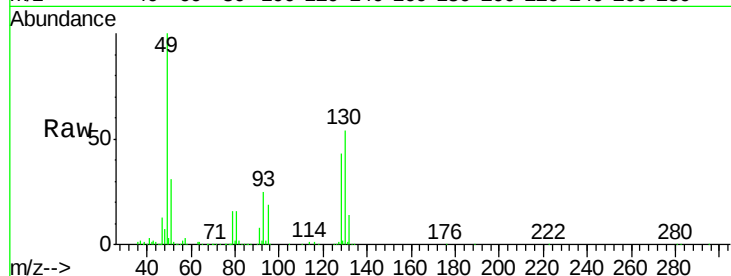
MSVOA_L

ClientSampleId :

E053-1100DL

Tot Ion: 49 Resp: 1289371

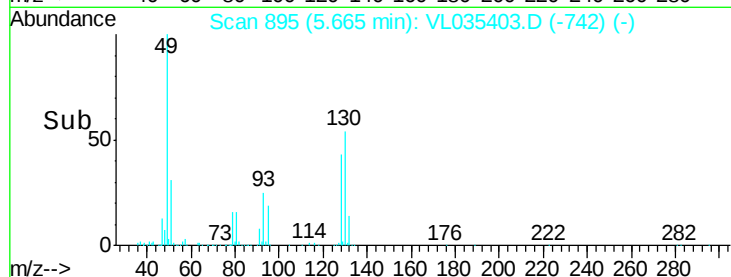
Ion	Ratio	Lower	Upper
49	100		
128	42.6	21.8	65.3
130	53.7	27.9	83.6



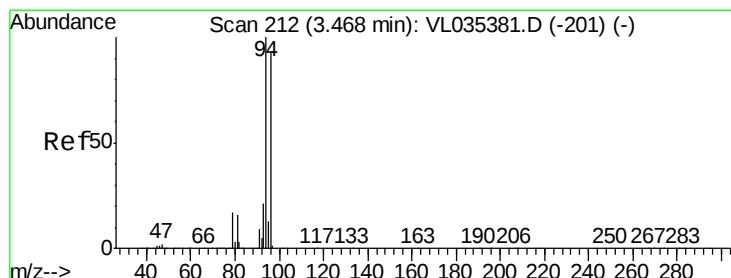
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#6

Bromomethane

Concen: 21.410 ppbv

RT: 3.47 min Scan# 211

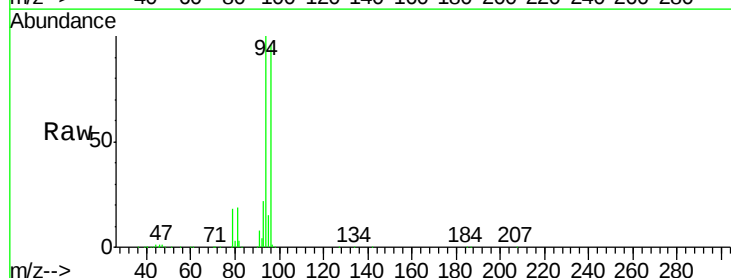
Delta R.T. -0.00 min

Lab File: VL035403.D

Acq: 13 Aug 2020 16:26

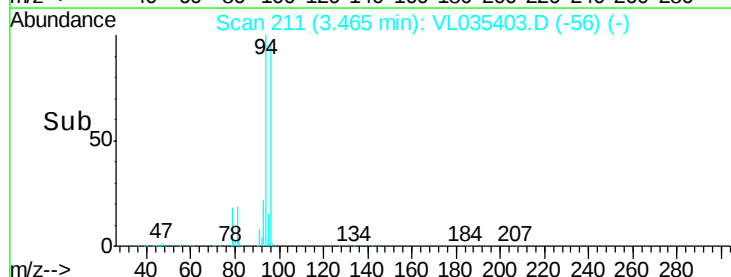
Tgt Ion: 94 Resp: 983010

Ion	Ratio	Lower	Upper
94	100		
96	95.6	74.4	111.6

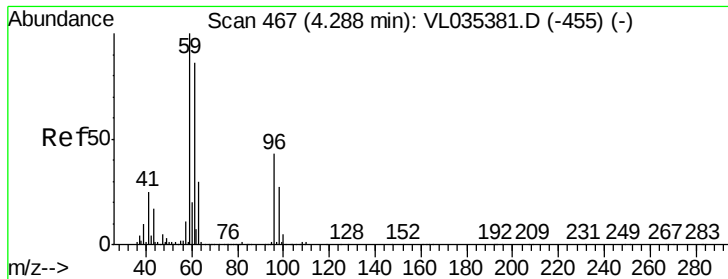


Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



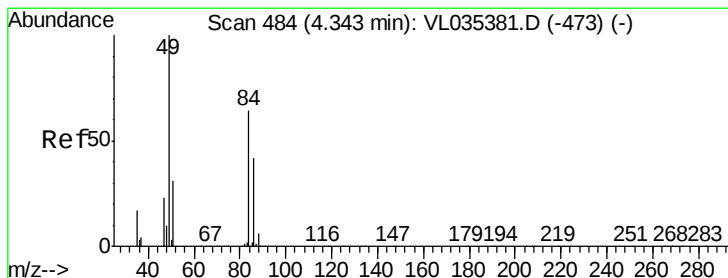
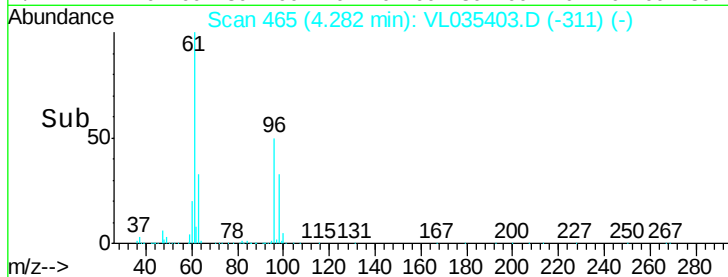
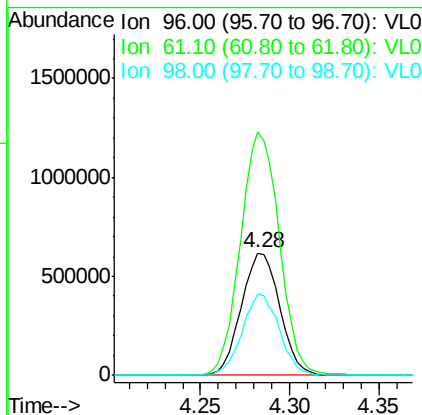
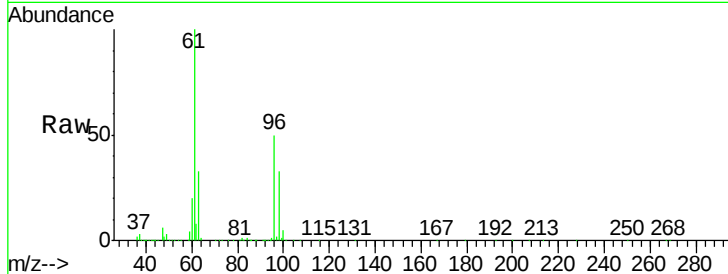
Time-->



#18
 1,1-Dichloroethene
 Concen: 15.847 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL035403.D
 Acq: 13 Aug 2020 16:26

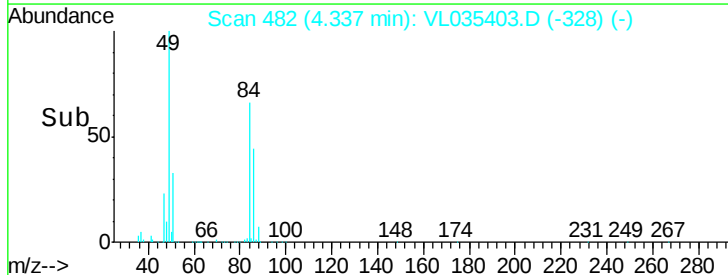
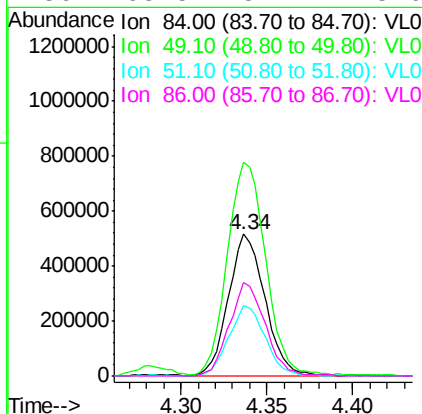
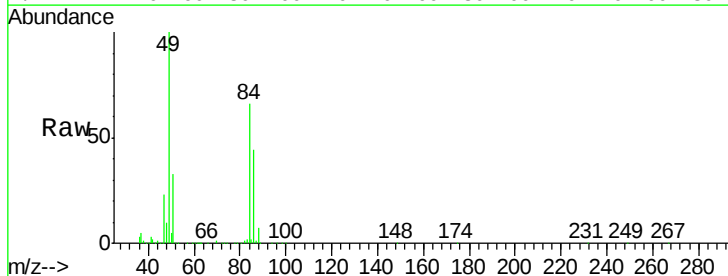
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

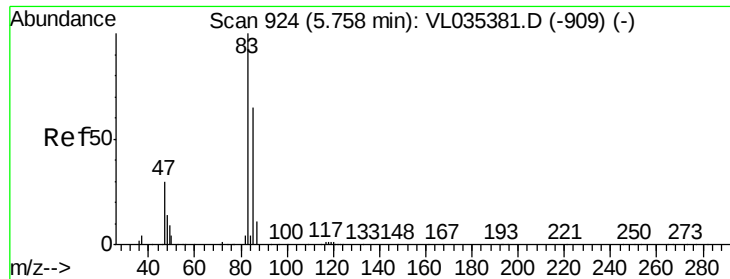
Tot Ion	Ratio	Lower	Upper
96	100		
61	199.6	159.0	238.4
98	66.2	50.3	75.5



#20
 Methylene Chloride
 Concen: 12.447 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL035403.D
 Acq: 13 Aug 2020 16:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.8	125.7	188.5
51	49.4	38.5	57.7
86	65.5	52.4	78.6





#29

Chloroform

Concen: 12.219 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.01 min

Lab File: VL035403.D

Acq: 13 Aug 2020 16:26

Instrument :

MSVOA_L

ClientSampleId :

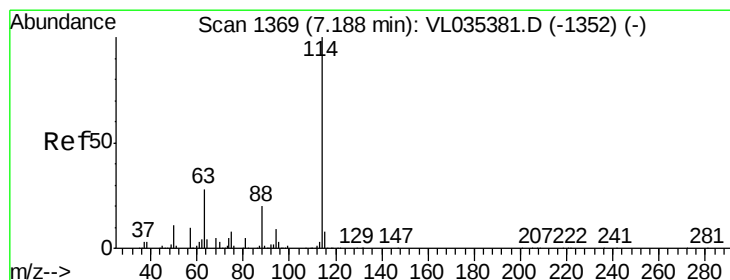
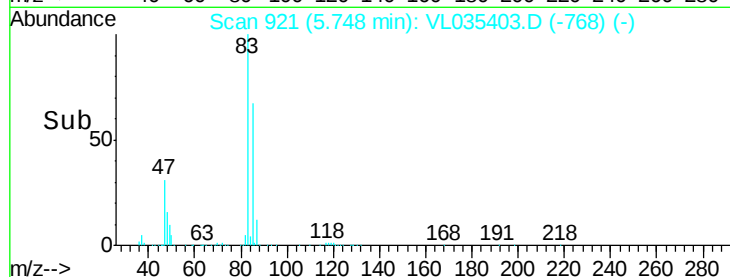
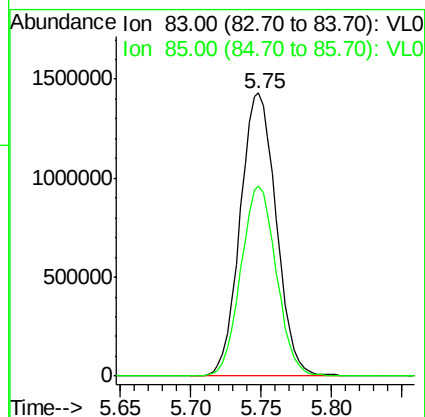
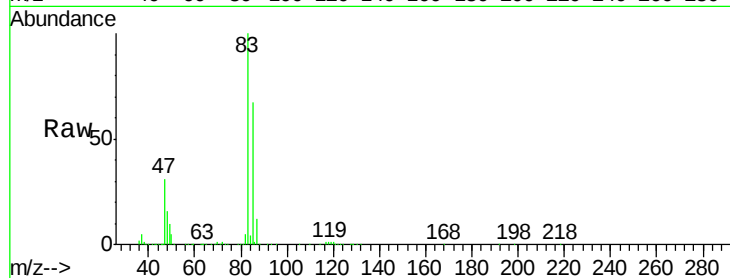
E053-1100DL

Tot Ion: 83 Resp: 2557749

Ion Ratio Lower Upper

83 100

85 67.1 51.7 77.5



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL035403.D

Acq: 13 Aug 2020 16:26

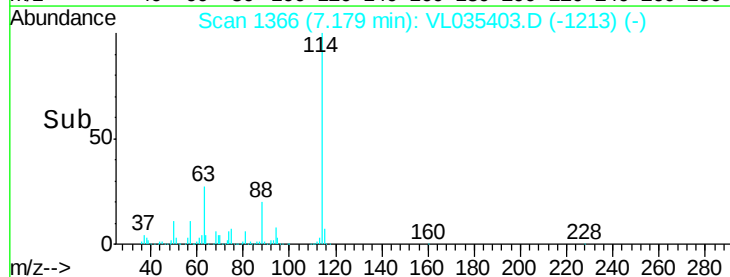
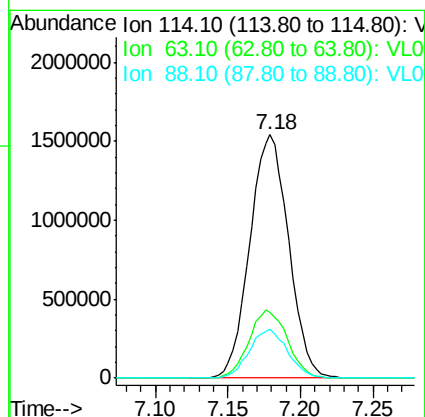
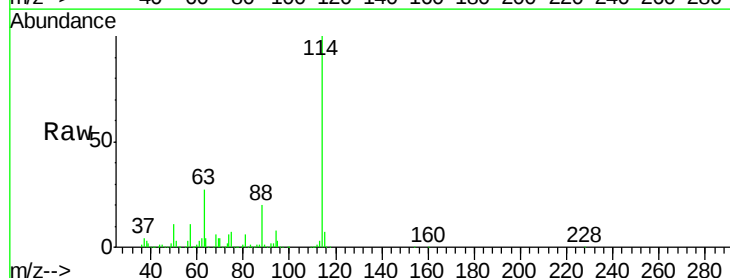
Tgt Ion: 114 Resp: 2873461

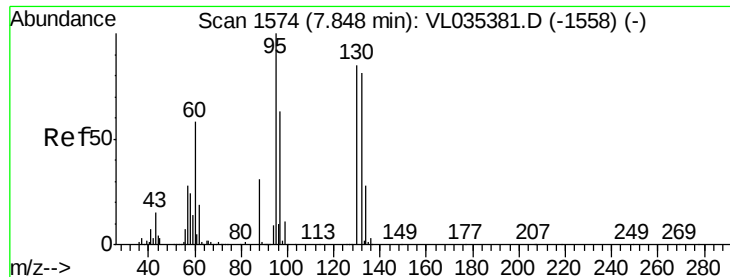
Ion Ratio Lower Upper

114 100

63 27.8 21.5 32.3

88 19.8 15.6 23.4





#38

Trichloroethene

Concen: 16.875 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL035403.D

Acq: 13 Aug 2020 16:26

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

Tot Ion:130 Resp: 1822245

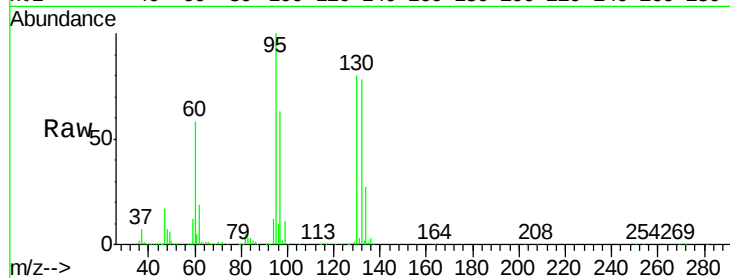
Ion Ratio Lower Upper

130 100

95 125.0 94.2 141.4

132 97.3 76.6 114.8

97 79.3 59.3 88.9

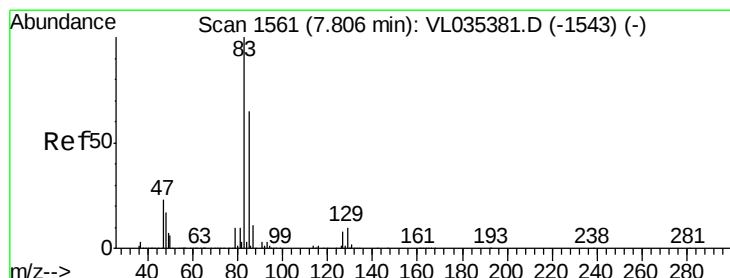
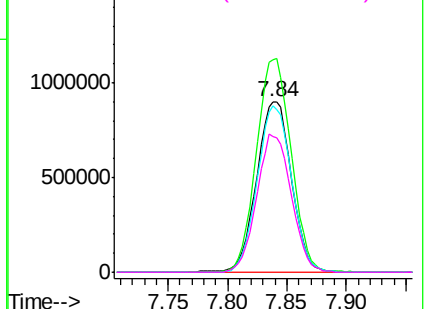
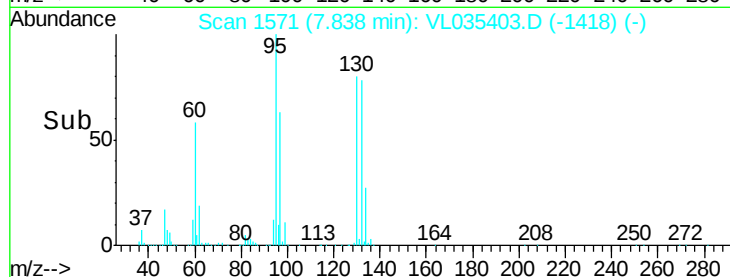


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#42

Bromodichloromethane

Concen: 21.281 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VL035403.D

Acq: 13 Aug 2020 16:26

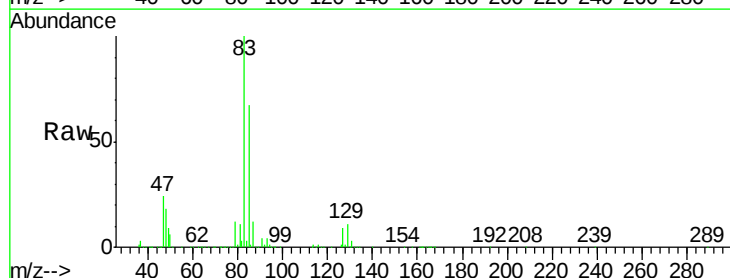
Tgt Ion: 83 Resp: 4585128

Ion Ratio Lower Upper

83 100

85 67.2 52.2 78.4

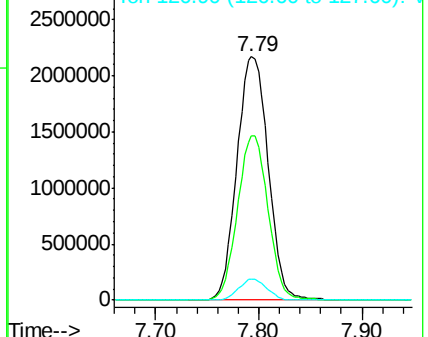
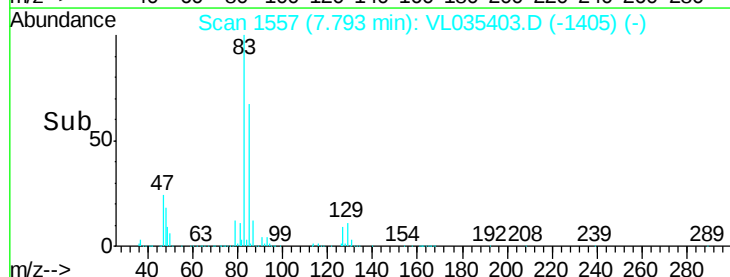
127 8.7 6.3 9.5

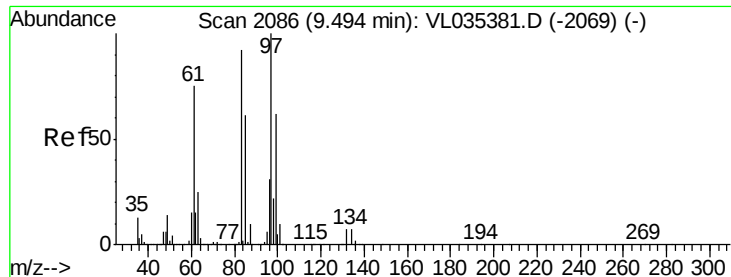


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



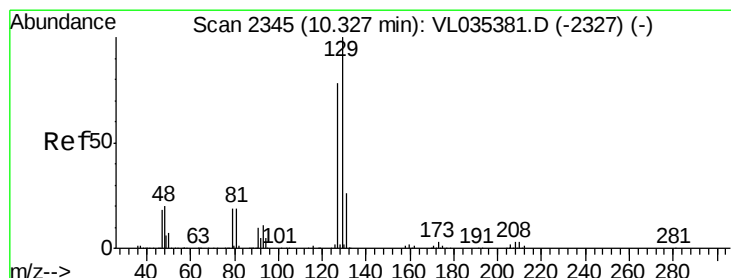
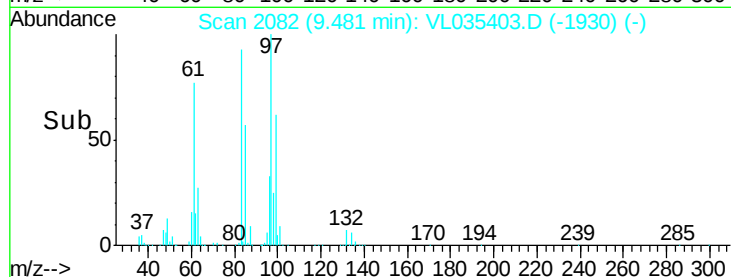
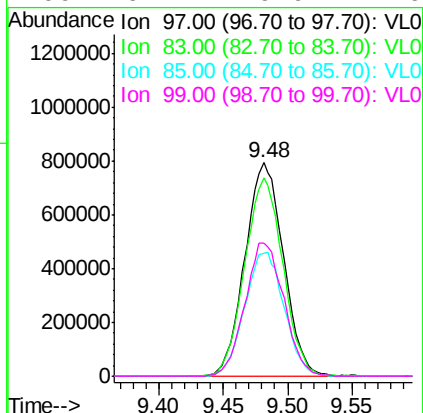
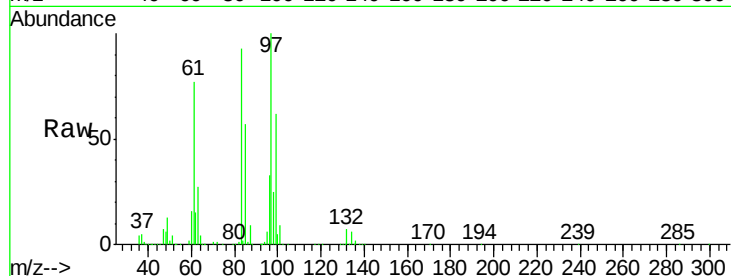


#47
 1,1,2-Trichloroethane
 Concen: 14.917 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.01 min
 Lab File: VL035403.D
 Acq: 13 Aug 2020 16:26

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

Tot Ion: 97 Resp: 1650757

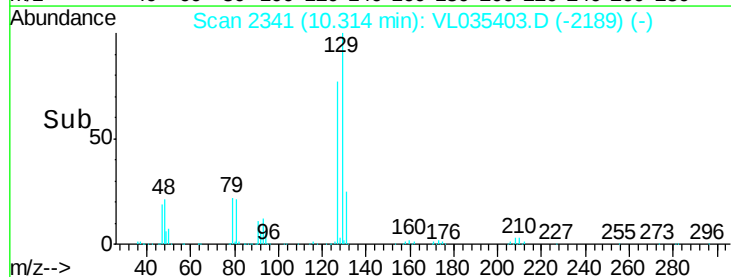
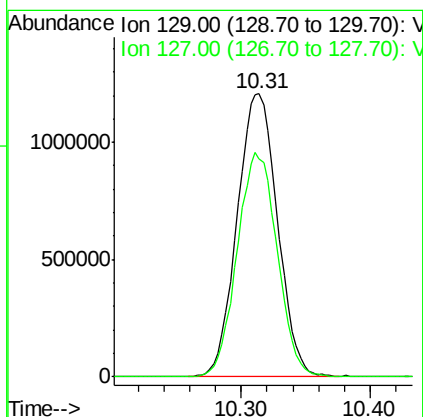
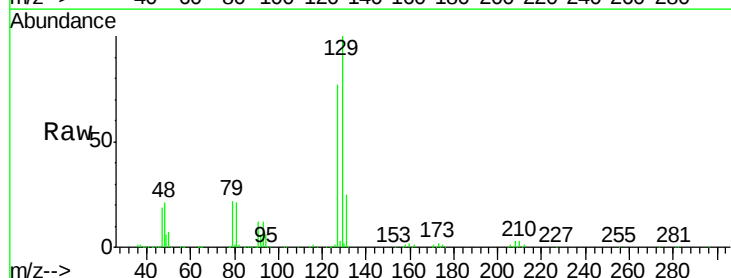
Ion	Ratio	Lower	Upper
97	100		
83	93.0	73.9	110.9
85	57.4	49.0	73.6
99	62.2	49.9	74.9

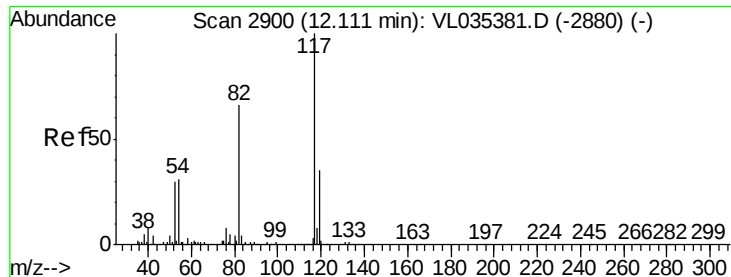


#48
 Dibromochloromethane
 Concen: 14.871 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. -0.01 min
 Lab File: VL035403.D
 Acq: 13 Aug 2020 16:26

Tgt Ion: 129 Resp: 2630421

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.8

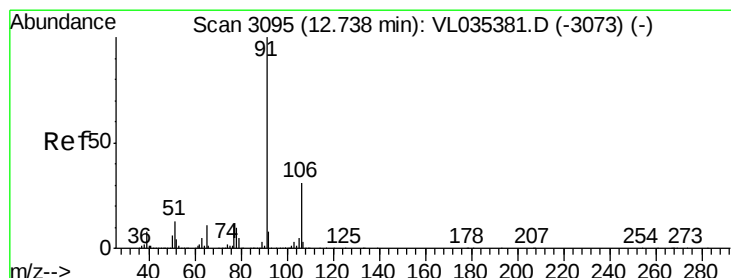
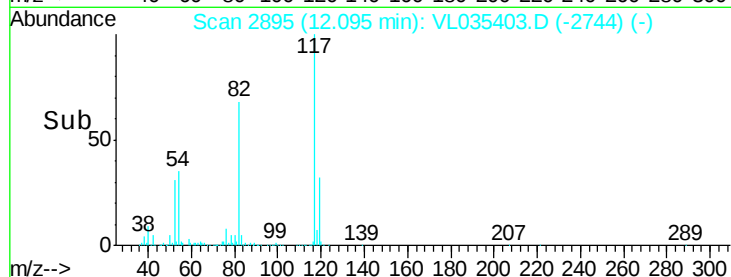
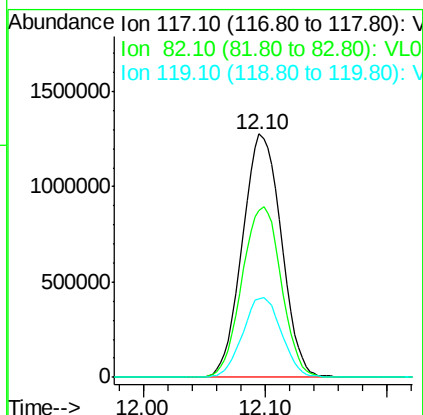
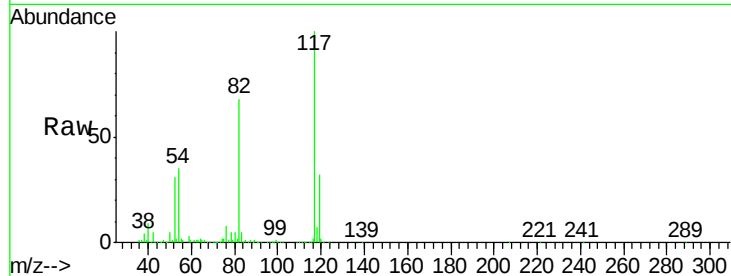




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035403.D
Acq: 13 Aug 2020 16:26

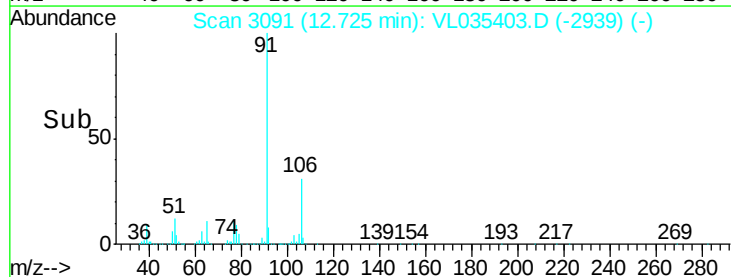
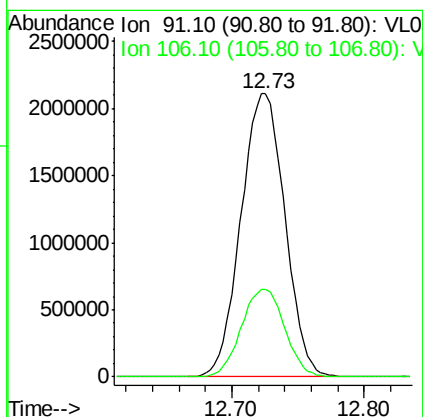
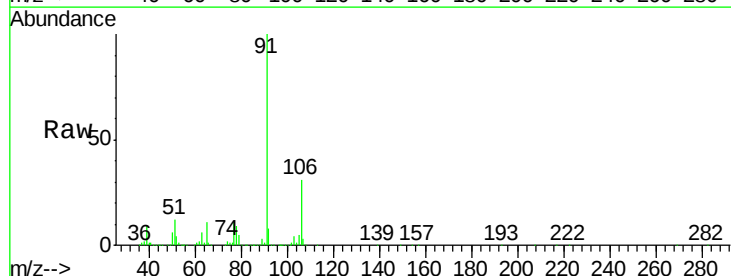
Instrument :
MSVOA_L
ClientSampleId :
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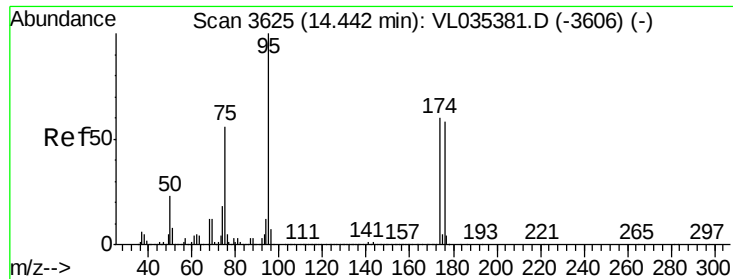
Tot Ion:117 Resp: 2810846
Ion Ratio Lower Upper
117 100
82 71.0 53.0 79.6
119 32.8 25.7 38.5



#58
Ethyl Benzene
Concen: 10.908 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035403.D
Acq: 13 Aug 2020 16:26

Tgt Ion: 91 Resp: 4846257
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7

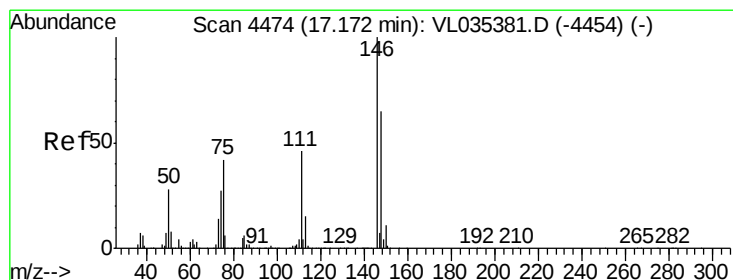
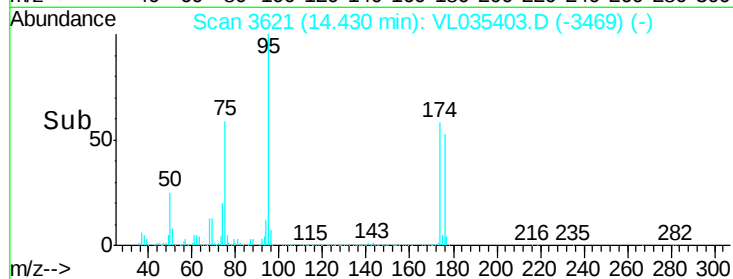
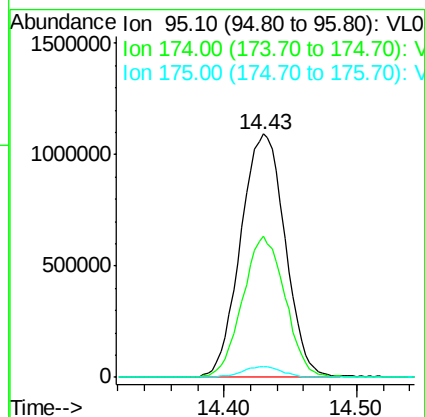
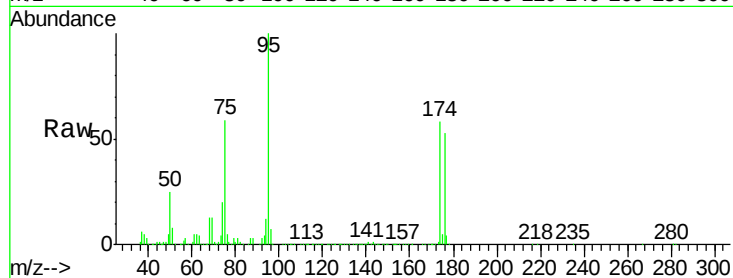




#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.219 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL035403.D
 Acq: 13 Aug 2020 16:26

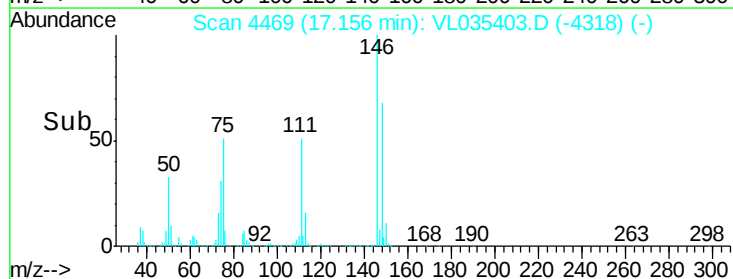
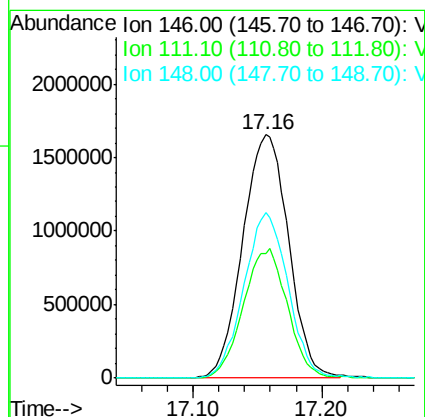
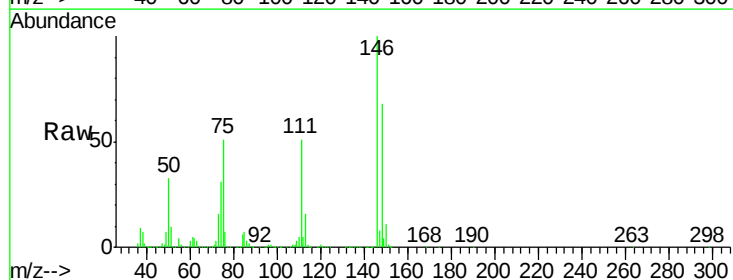
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

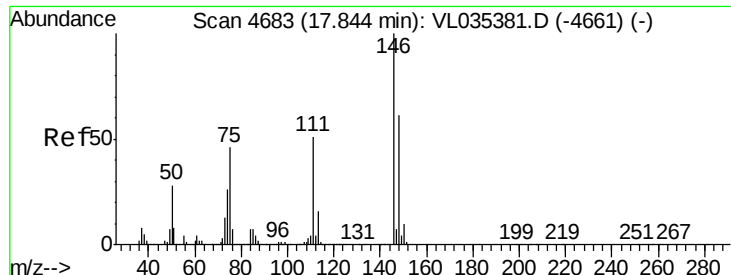
Tot Ion: 95 Resp: 2546095
 Ion Ratio Lower Upper
 95 100
 174 56.0 48.2 72.2
 175 4.1 3.7 5.5



#76
 1,4-Dichlorobenzene
 Concen: 16.897 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. -0.02 min
 Lab File: VL035403.D
 Acq: 13 Aug 2020 16:26

Tgt Ion: 146 Resp: 4089760
 Ion Ratio Lower Upper
 146 100
 111 51.6 24.0 72.0
 148 65.7 32.5 97.5





#77

1,2-Dichlorobenzene

Concen: 16.862 ppbv

RT: 17.84 min Scan# 4681

Delta R.T. -0.01 min

Lab File: VL035403.D

Acq: 13 Aug 2020 16:26

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

Tot Ion:146 Resp: 4006143

Ion Ratio Lower Upper

146 100

111 54.3 25.9 77.8

148 64.8 32.1 96.3

