

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035032.D
 Acq On : 14 May 2020 22:51
 Operator : SY/AP
 Sample : L2566-04DL2 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 15 01:12:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1154604	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2630777	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.11	117	2516803	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2099240	10.30	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

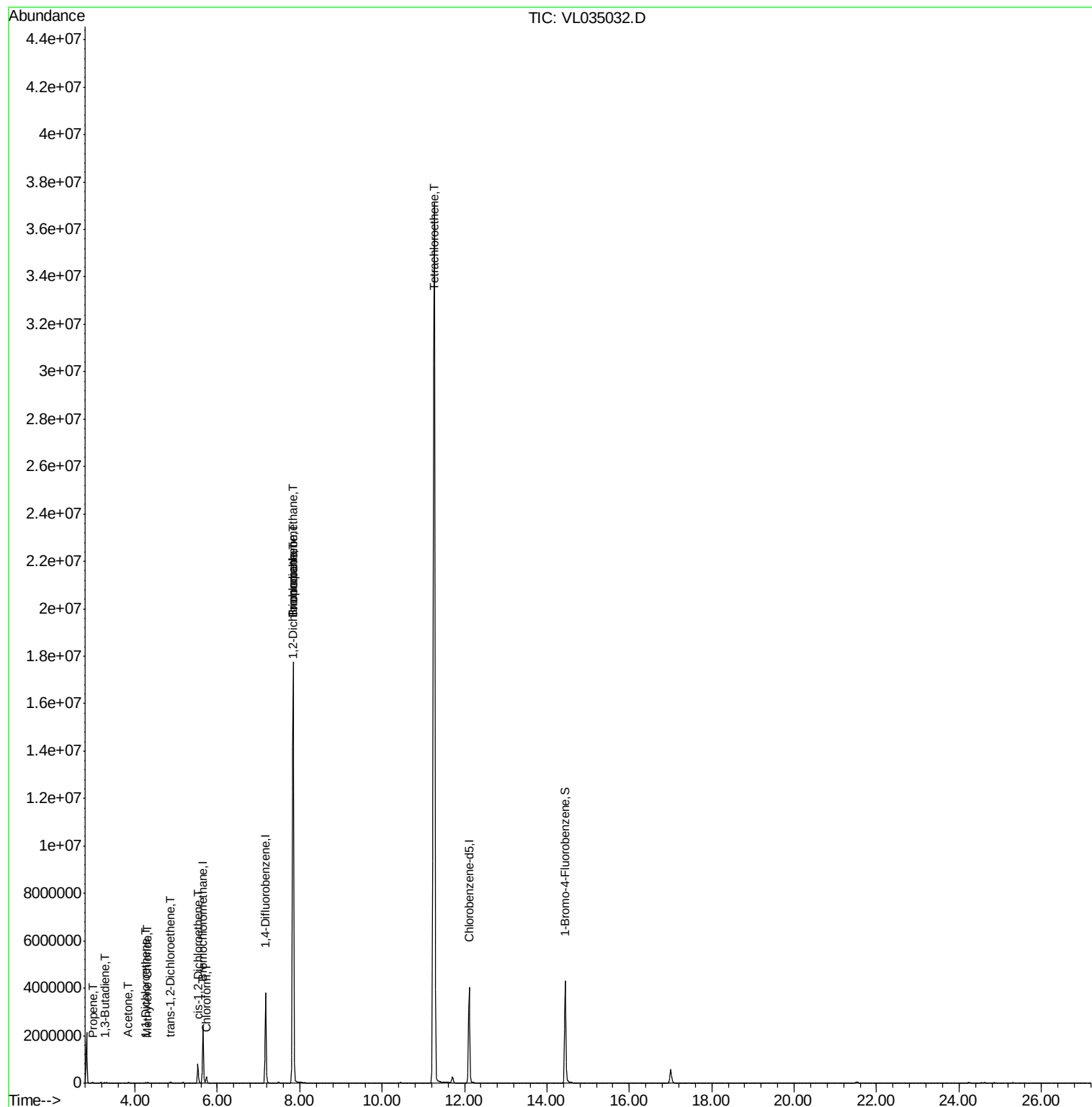
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	3835	0.067	ppbv #	16
15) Acetone	3.84	43	33279	0.218	ppbv #	74
16) 1,3-Butadiene	3.26	39	2989	0.046	ppbv #	11
18) 1,1-Dichloroethene	4.25	96	4774	0.091	ppbv	88
20) Methylene Chloride	4.31	84	8271	0.164	ppbv #	68
22) trans-1,2-Dichloroethene	4.86	96	5290	0.102	ppbv #	73
29) Chloroform	5.74	83	174757	0.961	ppbv	94
31) cis-1,2-Dichloroethene	5.53	61	438892	4.047	ppbv	97
38) Trichloroethene	7.84	130	6164899	73.368	ppbv	95
39) 1,2-Dichloropropane	7.82	63	7847	0.090	ppbv #	1
42) Bromodichloromethane	7.85	83	33908	0.188	ppbv	94
52) Tetrachloroethene	11.27	164	12351719	160.153	ppbv	91

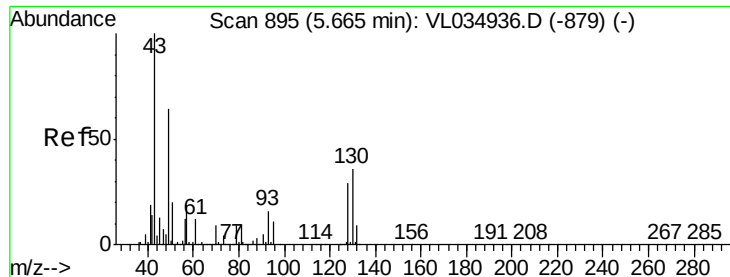
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 15 01:12:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035032.D

Acq: 14 May 2020 22:51

Instrument :

MSVOA_L

ClientSampleId :

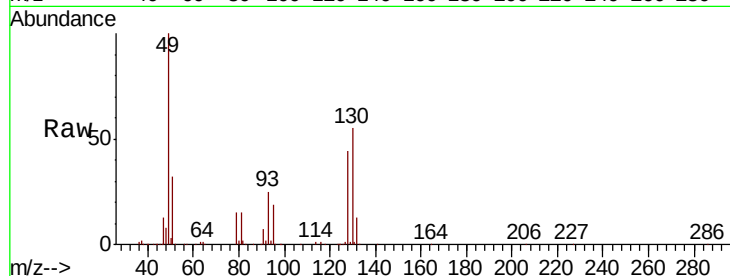
Tot Ion: 49 Resp: 1154604

Ion Ratio Lower Upper

49 100

128 44.9 22.1 66.5

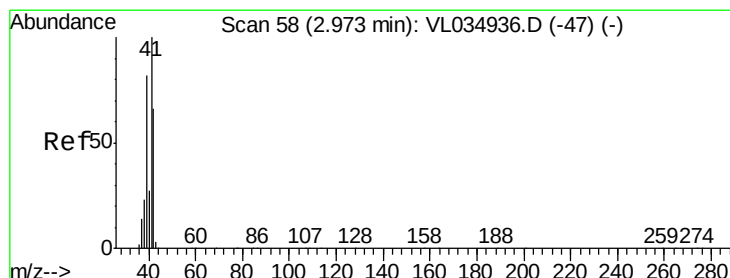
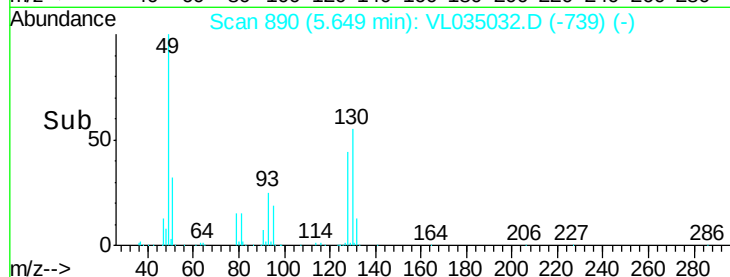
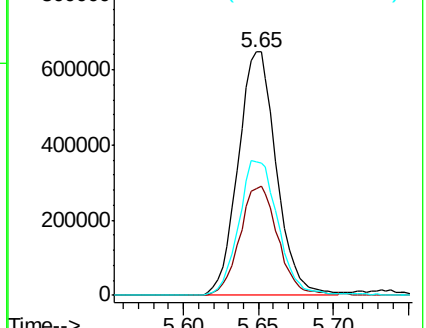
130 56.9 29.1 87.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.067 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL035032.D

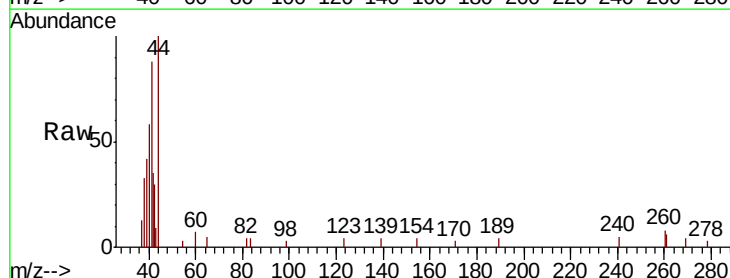
Acq: 14 May 2020 22:51

Tgt Ion: 41 Resp: 3835

Ion Ratio Lower Upper

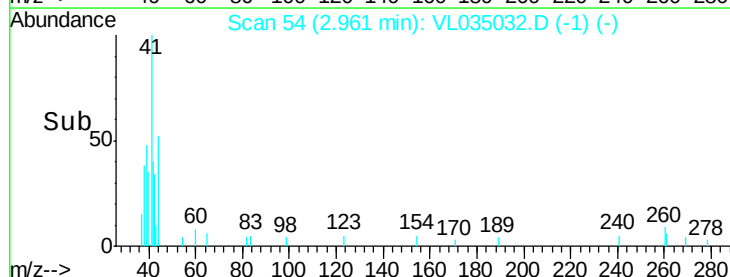
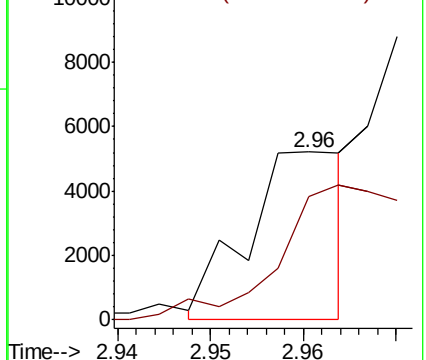
41 100

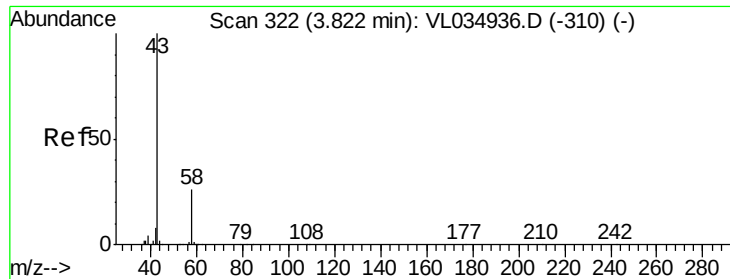
42 0.0 54.5 81.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

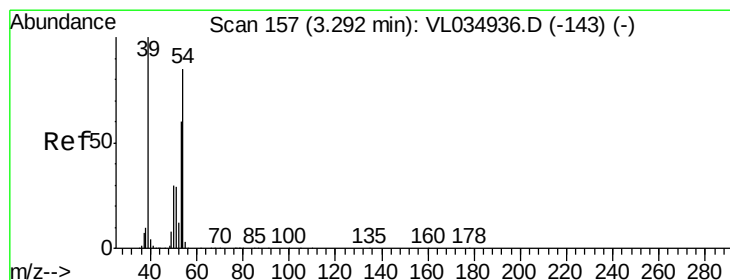
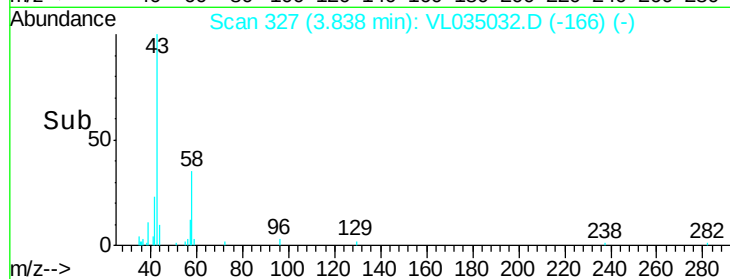
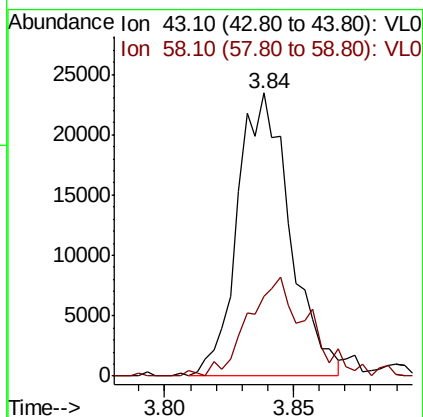
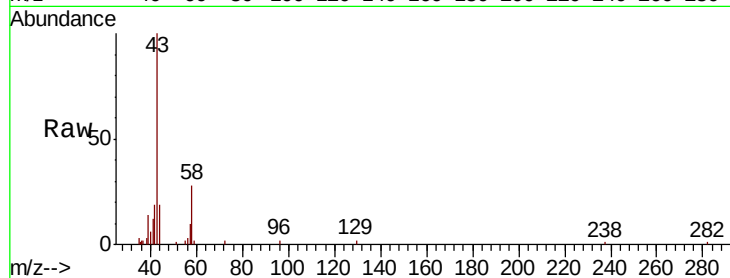




#15
Acetone
Concen: 0.218 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.02 min
Lab File: VL035032.D
Acq: 14 May 2020 22:51

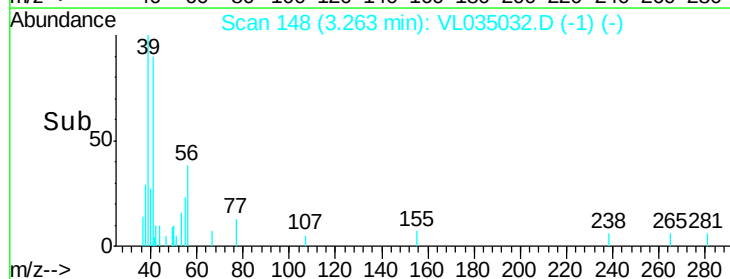
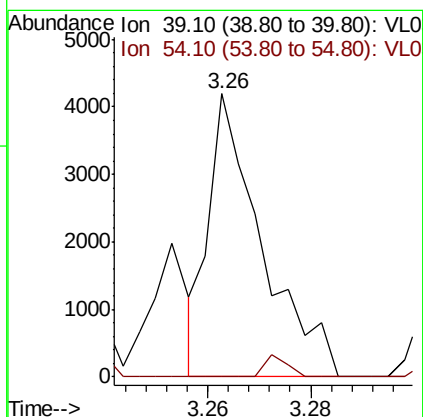
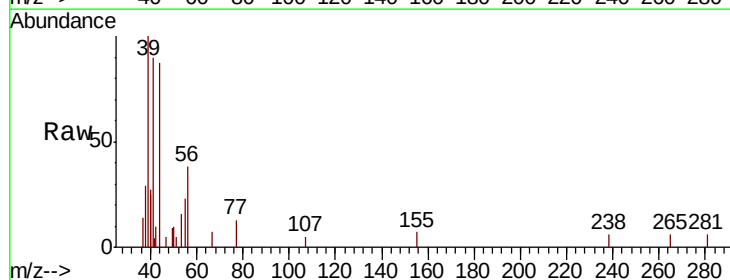
Instrument :
MSVOA_L
ClientSampleId :

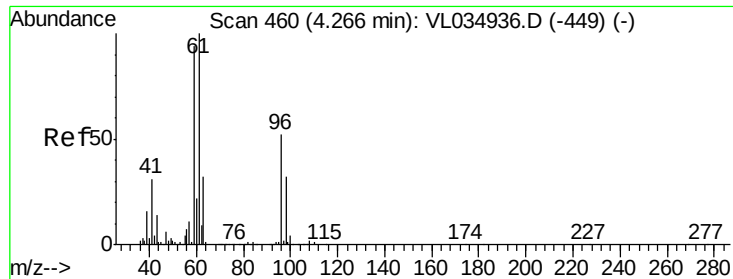
Tot Ion: 43 Resp: 33279
Ion Ratio Lower Upper
43 100
58 40.6 21.7 32.5#



#16
1,3-Butadiene
Concen: 0.046 ppbv
RT: 3.26 min Scan# 148
Delta R.T. -0.03 min
Lab File: VL035032.D
Acq: 14 May 2020 22:51

Tgt Ion: 39 Resp: 2989
Ion Ratio Lower Upper
39 100
54 3.3 66.6 100.0#

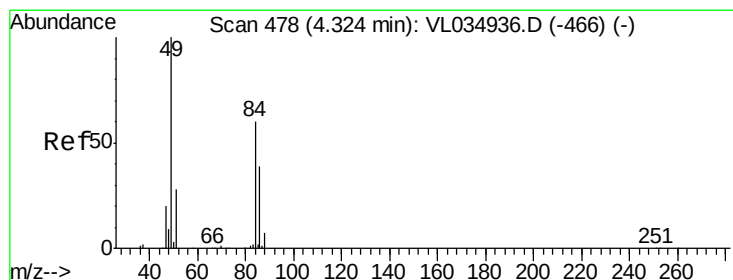
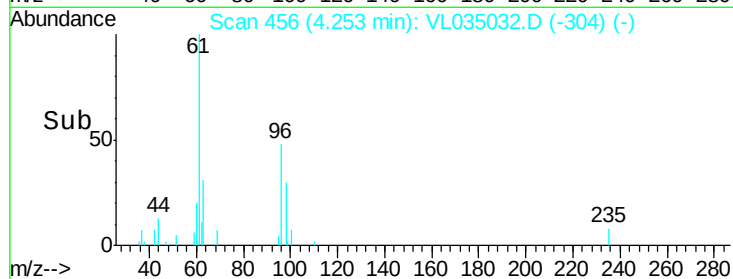
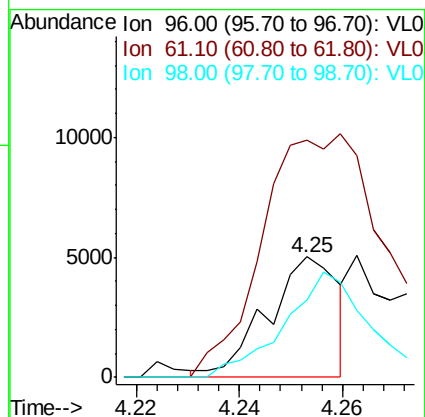
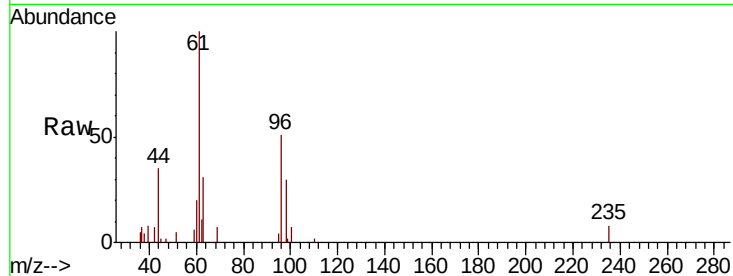




#18
 1,1-Dichloroethene
 Concen: 0.091 ppbv
 RT: 4.25 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VL035032.D
 Acq: 14 May 2020 22:51

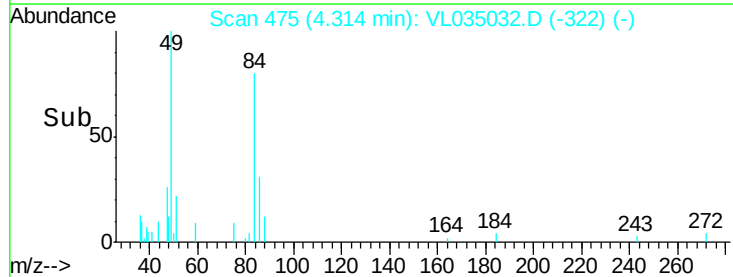
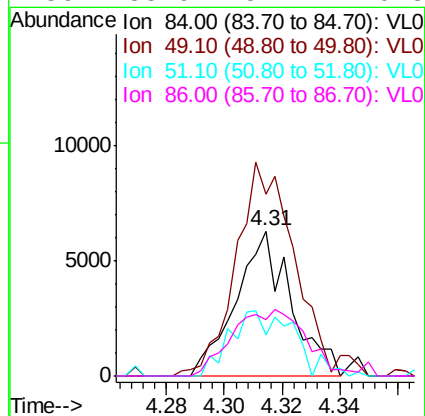
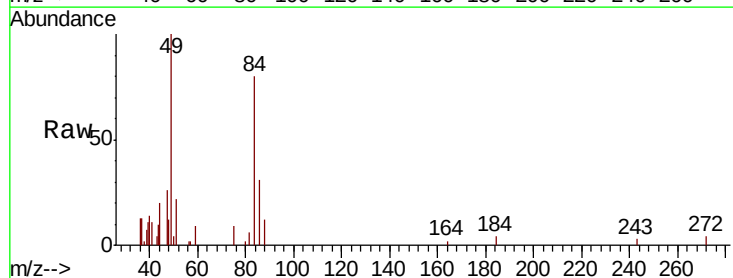
Instrument :
 MSVOA_L
 ClientSampleId :

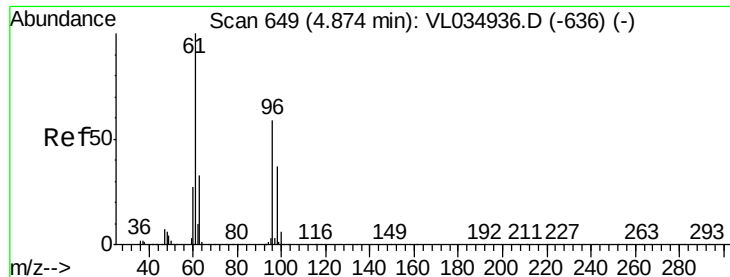
Tot Ion: 96 Resp: 4774
 Ion Ratio Lower Upper
 96 100
 61 209.2 152.4 228.6
 98 68.0 48.8 73.2



#20
 Methylene Chloride
 Concen: 0.164 ppbv
 RT: 4.31 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: VL035032.D
 Acq: 14 May 2020 22:51

Tgt Ion: 84 Resp: 8271
 Ion Ratio Lower Upper
 84 100
 49 121.2 132.5 198.7#
 51 28.2 38.4 57.6#
 86 38.9 51.2 76.8#





#22

trans-1,2-Dichloroethene

Concen: 0.102 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.01 min

Lab File: VL035032.D

Acq: 14 May 2020 22:51

Instrument :

MSVOA_L

ClientSampled :

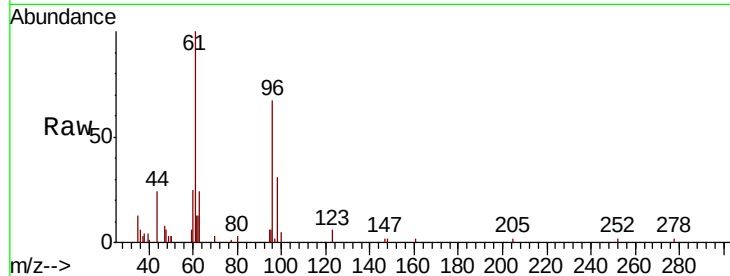
Tot Ion: 96 Resp: 5290

Ion Ratio Lower Upper

96 100

61 135.7 135.3 202.9

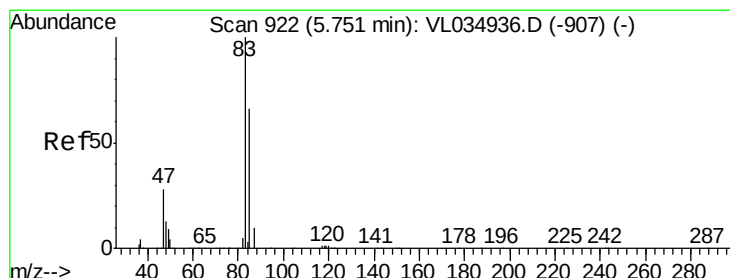
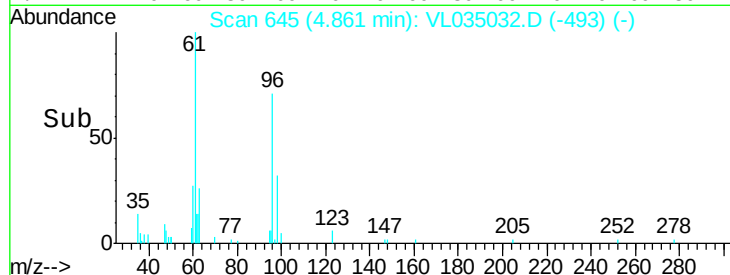
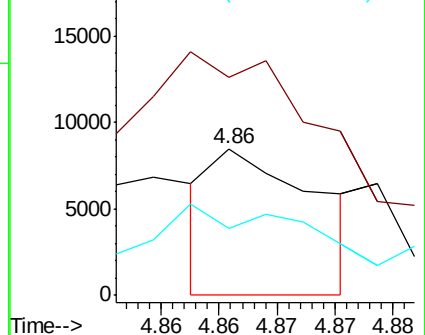
98 35.9 50.4 75.6#



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#29

Chloroform

Concen: 0.961 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.02 min

Lab File: VL035032.D

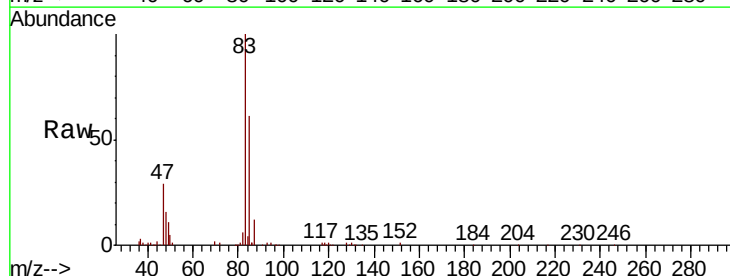
Acq: 14 May 2020 22:51

Tgt Ion: 83 Resp: 174757

Ion Ratio Lower Upper

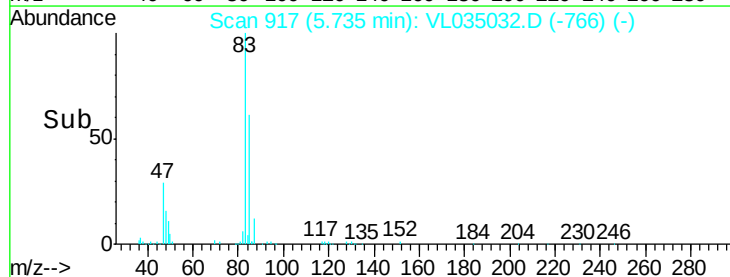
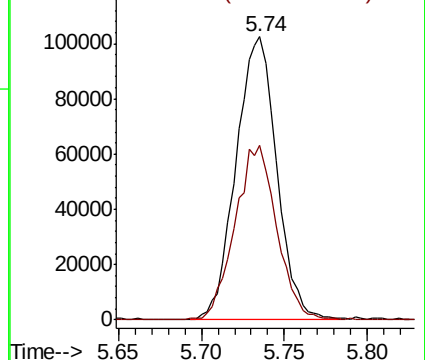
83 100

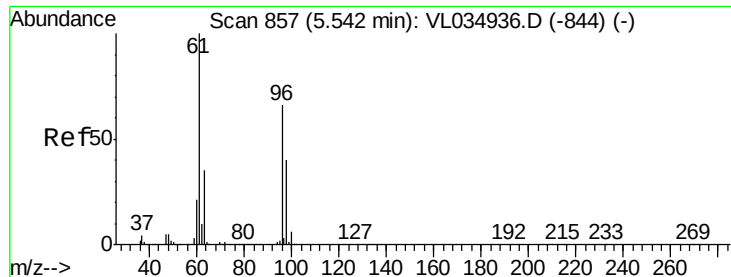
85 61.5 53.0 79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



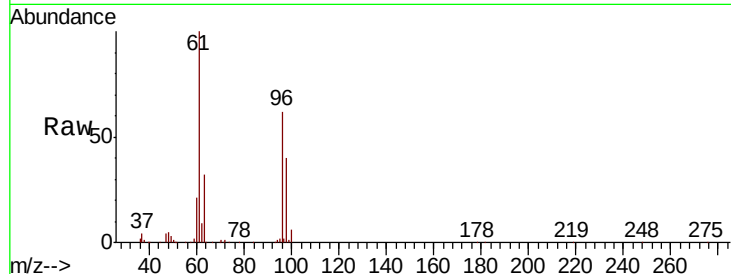


#31

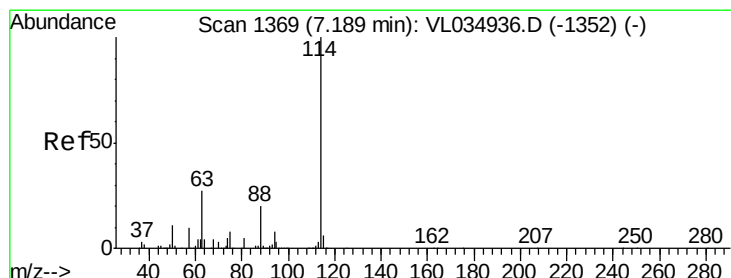
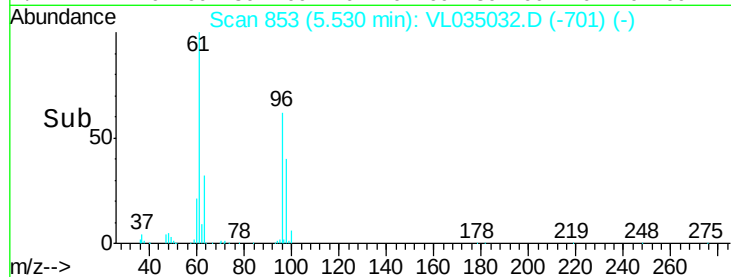
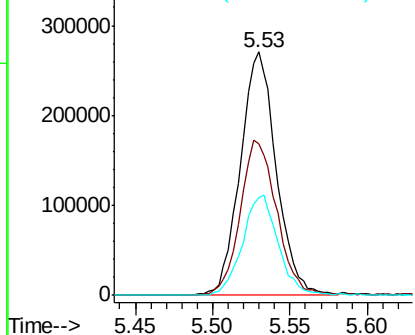
cis-1,2-Dichloroethene
 Concen: 4.047 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL035032.D
 Acq: 14 May 2020 22:51

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.4	53.0	79.6
98	40.3	32.2	48.2



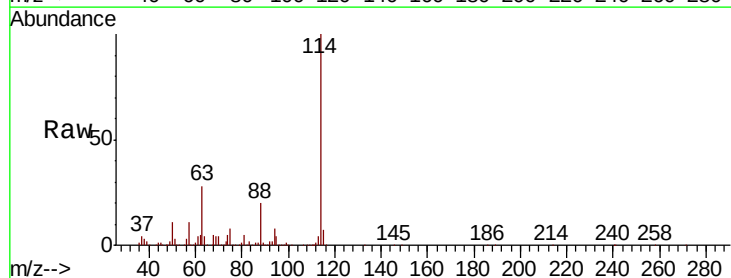
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



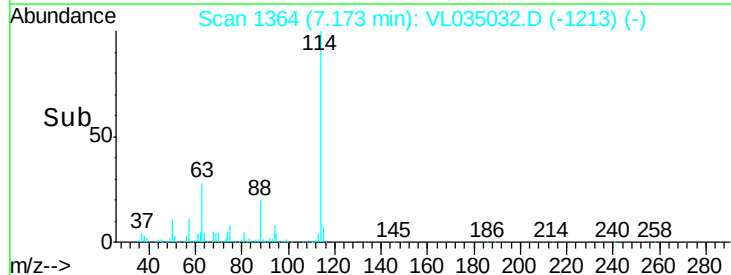
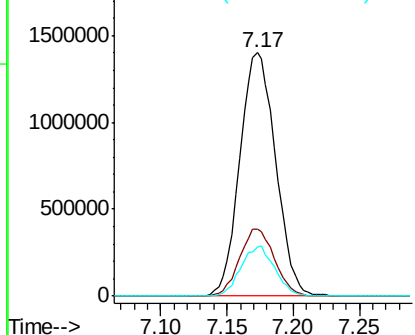
#33

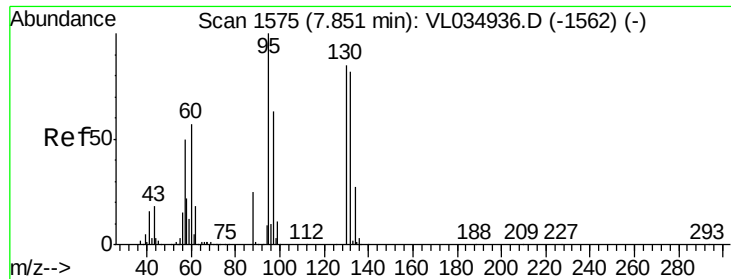
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL035032.D
 Acq: 14 May 2020 22:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.2	33.4
88	19.6	15.5	23.3



Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

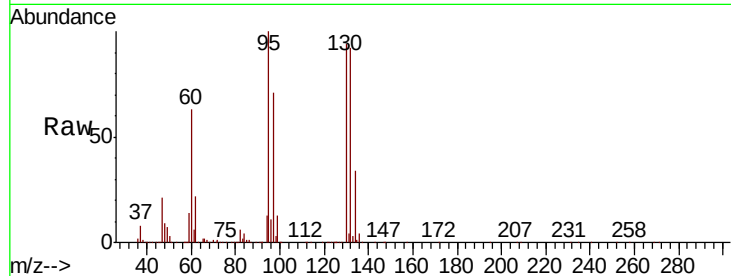




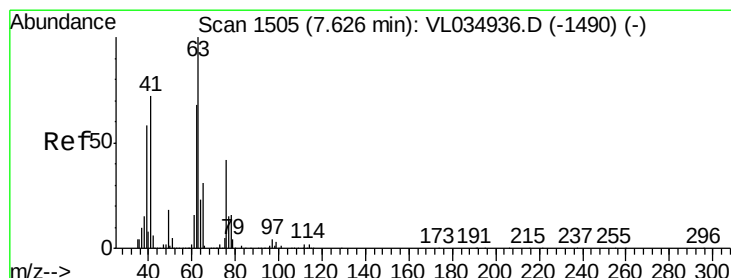
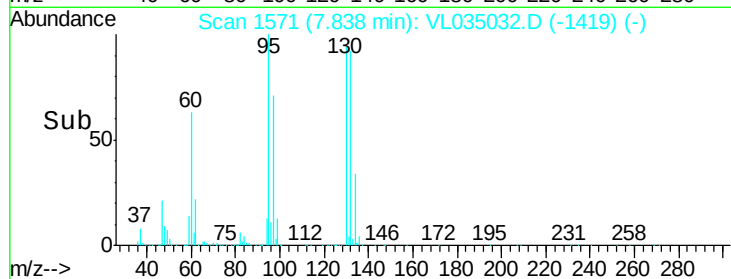
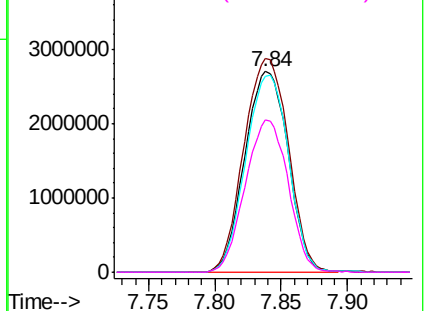
#38
 Trichloroethene
 Concen: 73.368 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL035032.D
 Acq: 14 May 2020 22:51

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:130 Resp: 6164899
 Ion Ratio Lower Upper
 130 100
 95 106.4 93.4 140.0
 132 97.8 76.4 114.6
 97 75.8 58.5 87.7

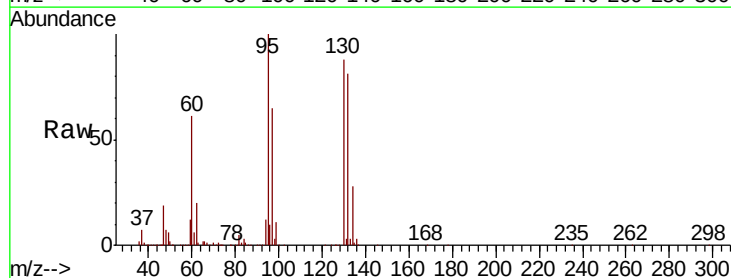


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

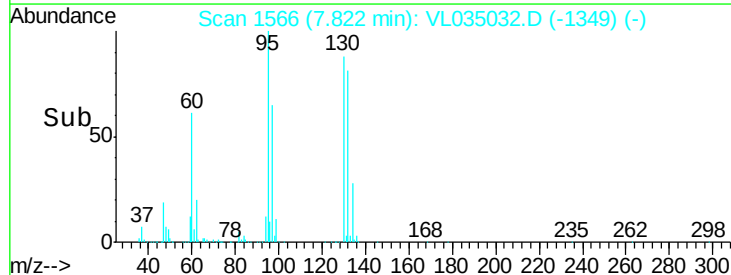
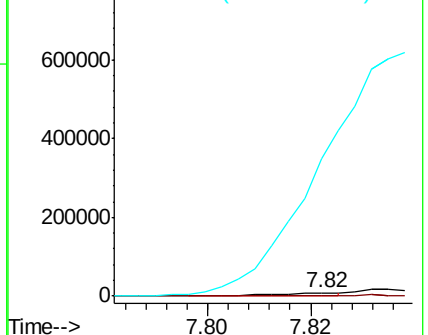


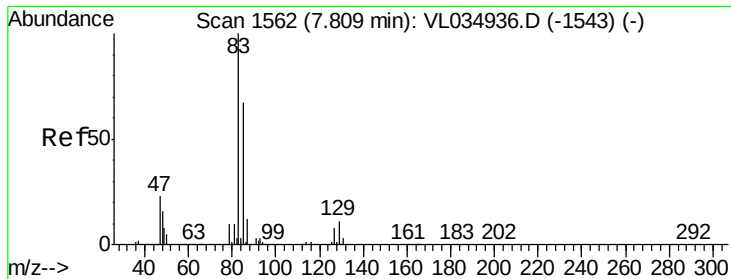
#39
 1,2-Dichloropropane
 Concen: 0.090 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.20 min
 Lab File: VL035032.D
 Acq: 14 May 2020 22:51

Tgt Ion: 63 Resp: 7847
 Ion Ratio Lower Upper
 63 100
 41 2.5 57.8 86.8#
 62 3822.0 54.2 81.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

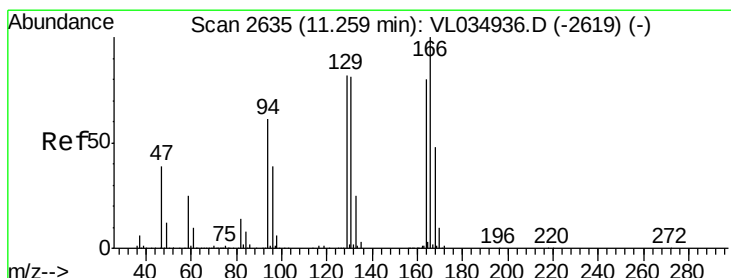
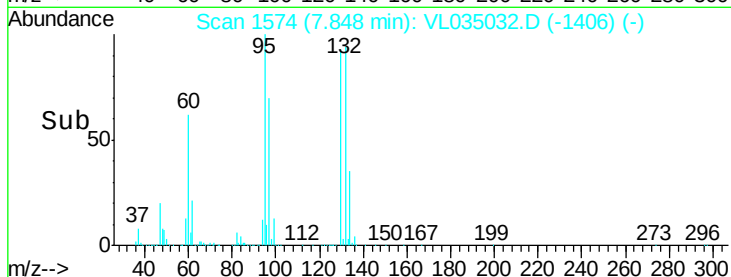
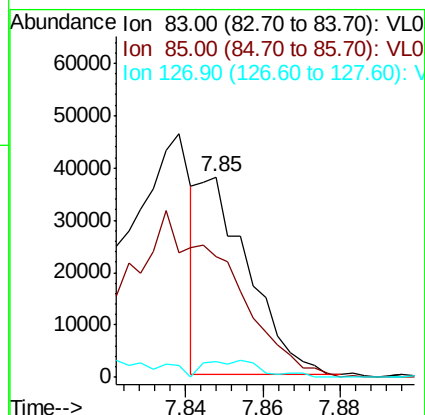
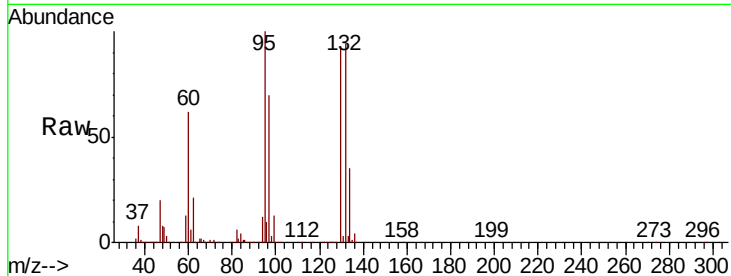




#42
 Bromodichloromethane
 Concen: 0.188 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.04 min
 Lab File: VL035032.D
 Acq: 14 May 2020 22:51

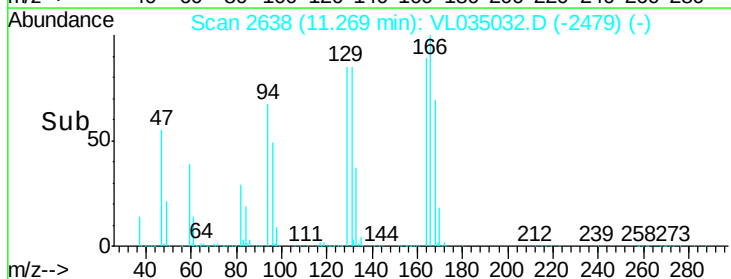
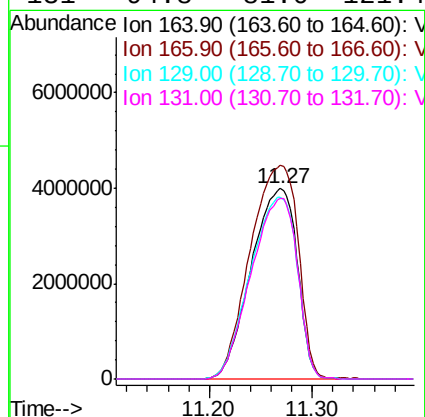
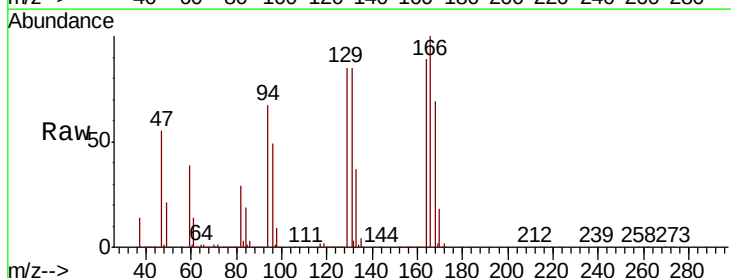
Instrument :
 MSVOA_L
 ClientSampleId :

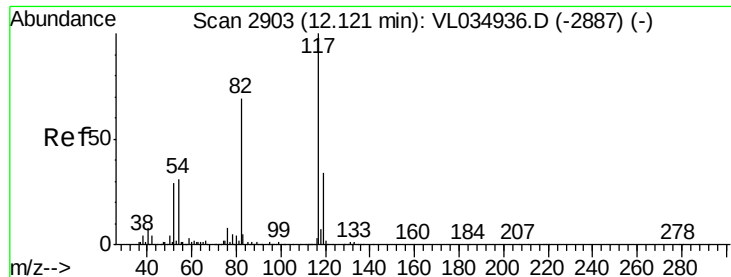
Tot Ion: 83 Resp: 33908
 Ion Ratio Lower Upper
 83 100
 85 61.2 53.4 80.0
 127 8.1 6.1 9.1



#52
 Tetrachloroethene
 Concen: 160.153 ppbv
 RT: 11.27 min Scan# 2638
 Delta R.T. 0.01 min
 Lab File: VL035032.D
 Acq: 14 May 2020 22:51

Tgt Ion:164 Resp:12351719
 Ion Ratio Lower Upper
 164 100
 166 112.1 100.7 151.1
 129 95.2 83.0 124.4
 131 94.8 81.0 121.4

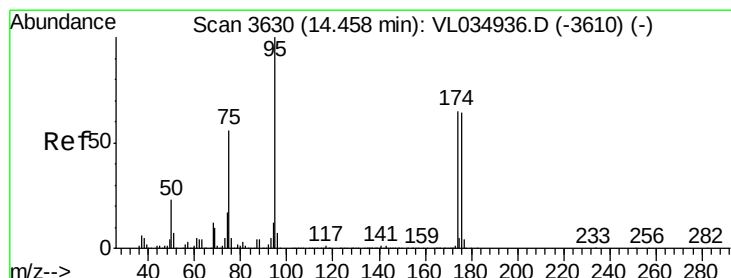
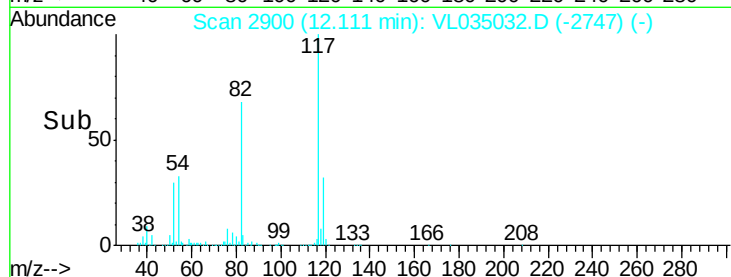
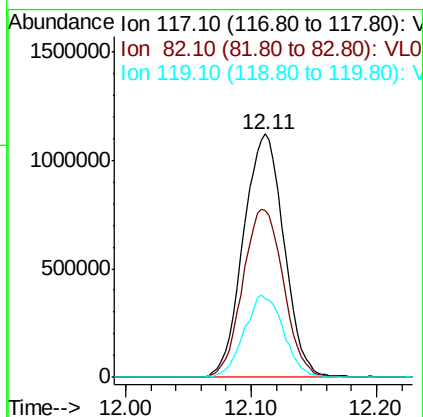
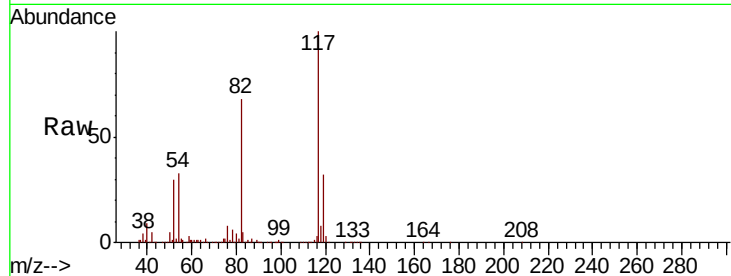




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL035032.D
Acq: 14 May 2020 22:51

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 2516803
Ion Ratio Lower Upper
117 100
82 69.9 53.1 79.7
119 33.0 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.304 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.02 min
Lab File: VL035032.D
Acq: 14 May 2020 22:51

Tgt Ion: 95 Resp: 2099240
Ion Ratio Lower Upper
95 100
174 65.1 51.5 77.3
175 5.0 3.8 5.8

