

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035060.D
 Acq On : 20 May 2020 1:31
 Operator : SY/AP
 Sample : L2683-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FL-SSDL

Manual Integrations
 APPROVED

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 5/20/2020 4:28:02 PM

Quant Time: May 20 09:44:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 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	5.64	49	1150227	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2621651	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2512932	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2127811	10.46	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	12194m	0.214	ppbv	
13) Ethanol	3.56	45	74344m	3.954	ppbv	
15) Acetone	3.81	43	774421	5.093	ppbv	99
19) Isopropyl Alcohol	3.94	45	19738m	0.195	ppbv	
38) Trichloroethene	7.82	130	5451m	0.065	ppbv	
52) Tetrachloroethene	11.23	164	298514	3.884	ppbv	96

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

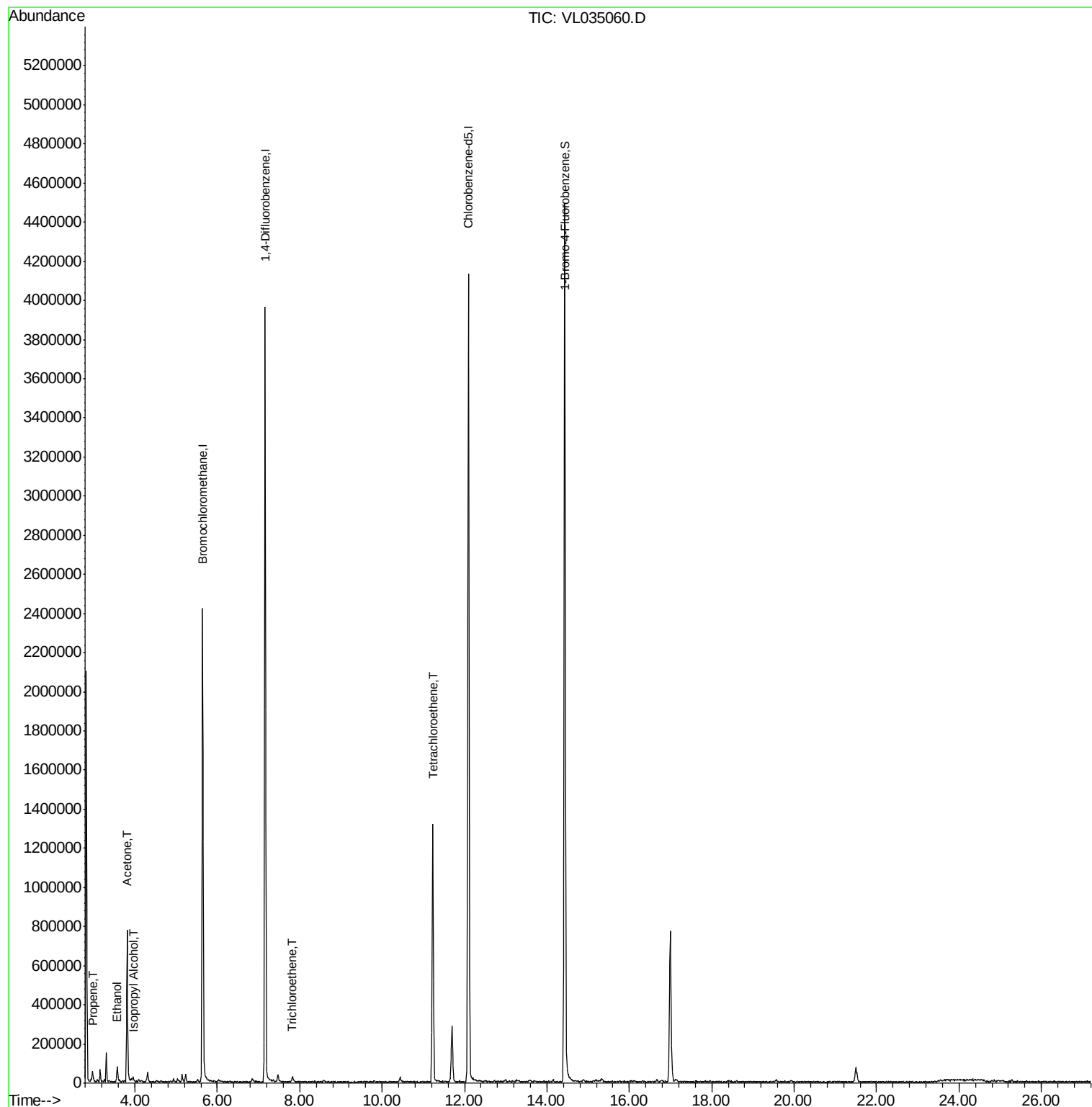
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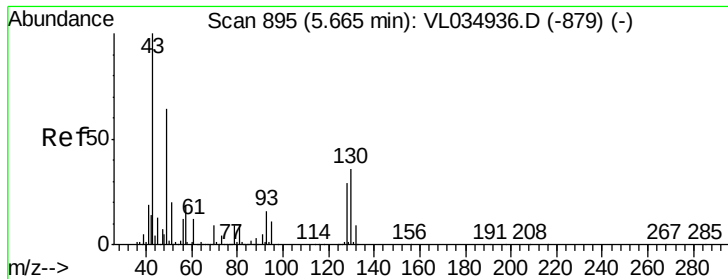
Instrument :
MSVOA_L
ClientSampleId :
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QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

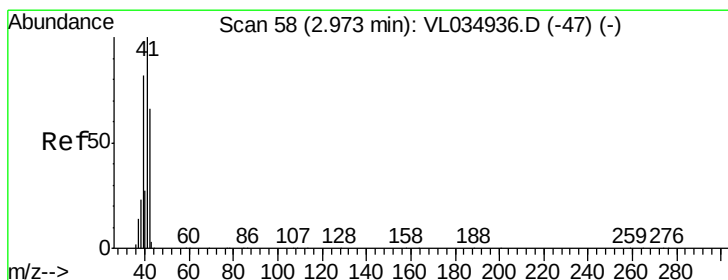
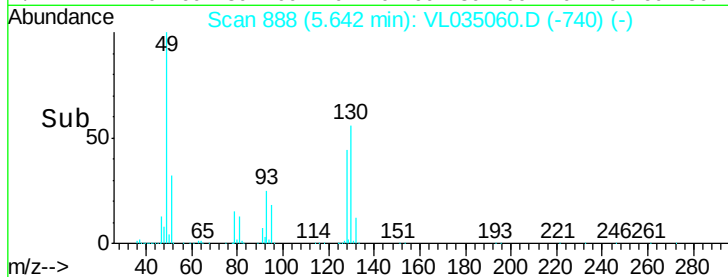
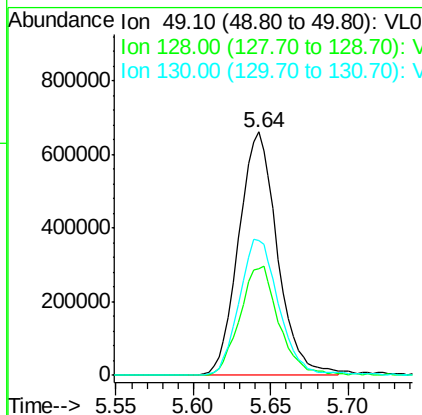
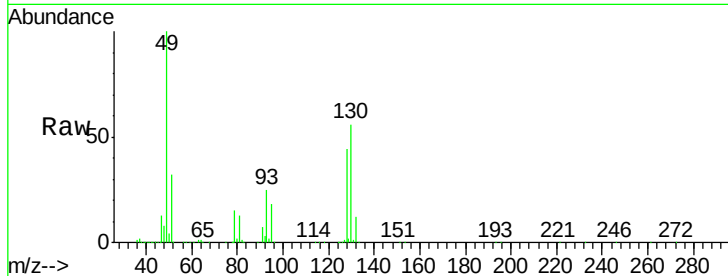
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: VL035060.D
 Acq: 20 May 2020 1:31

Instrument :
 MSVOA_L
 ClientSampled :
 FL-SSDL

Tot Ion: 49 Resp: 1150227
 Ion Ratio Lower Upper
 49 100
 128 45.8 22.1 66.5
 130 58.1 29.1 87.3

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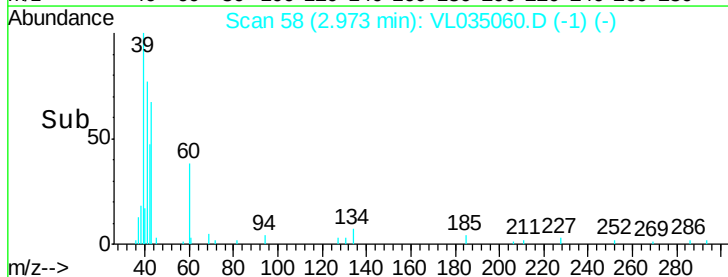
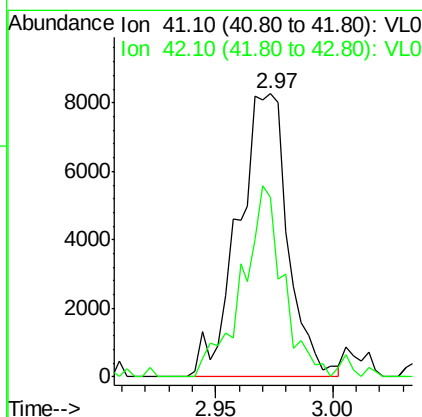
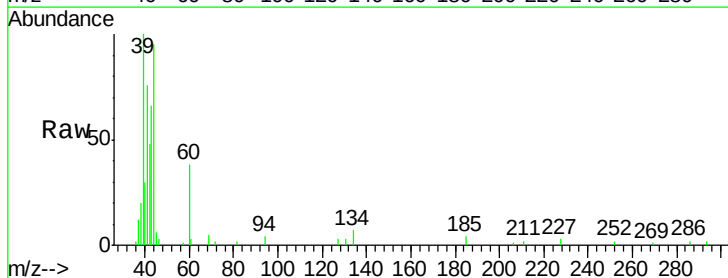
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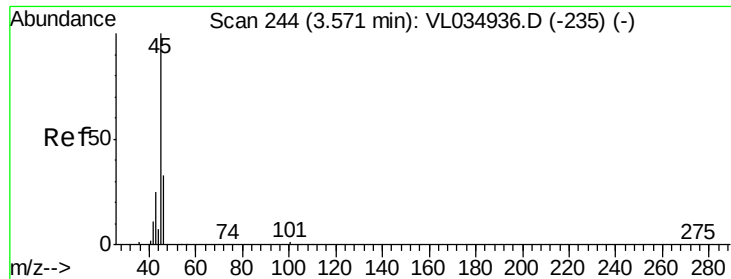


#9

Propene
 Concen: 0.214 ppbv m
 RT: 2.97 min Scan# 58
 Delta R.T. -0.00 min
 Lab File: VL035060.D
 Acq: 20 May 2020 1:31

Tgt Ion: 41 Resp: 12194
 Ion Ratio Lower Upper
 41 100
 42 114.3 54.5 81.7#





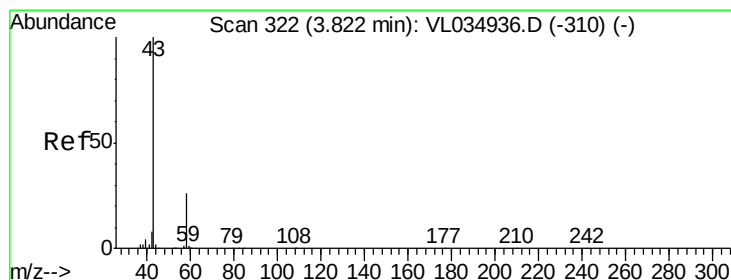
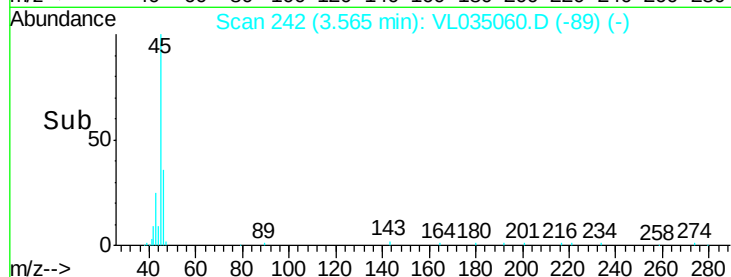
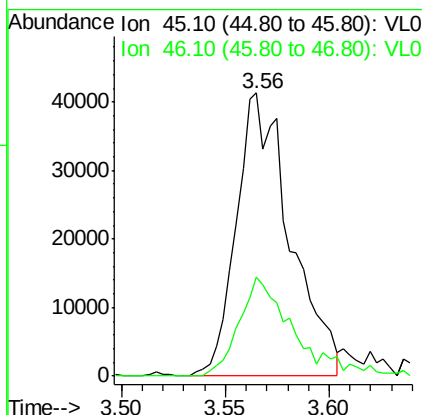
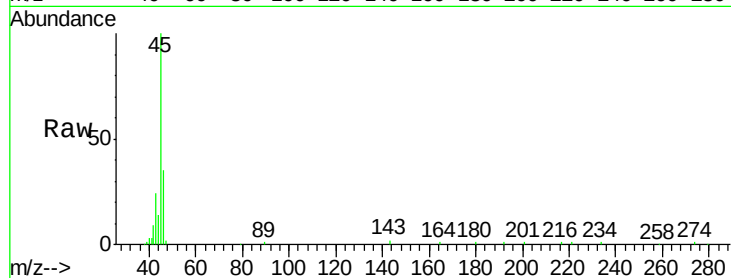
#13
Ethanol
Concen: 3.954 ppbv m
RT: 3.56 min Scan# 242
Delta R.T. -0.01 min
Lab File: VL035060.D
Acq: 20 May 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
FL-SSDL

Tot Ion: 45 Resp: 74344
Ion Ratio Lower Upper
45 100
46 35.6 14.3 57.3

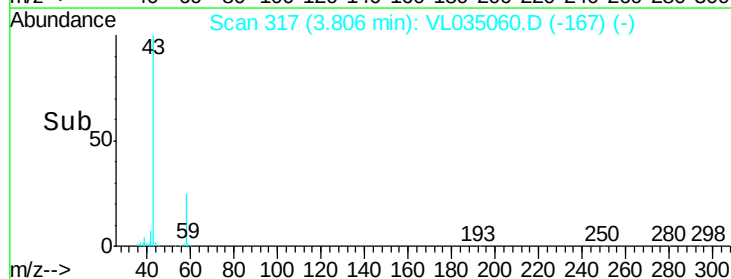
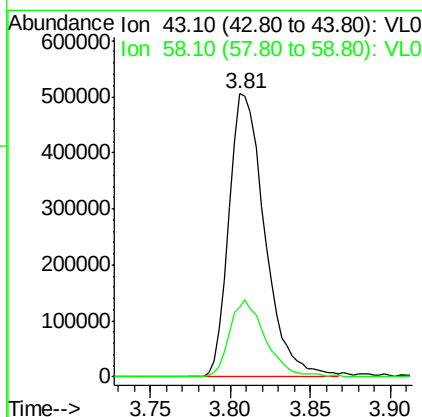
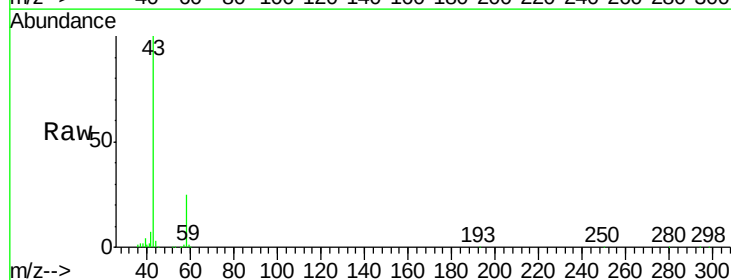
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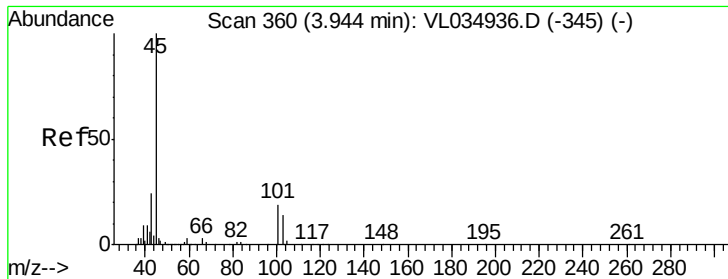
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#15
Acetone
Concen: 5.093 ppbv
RT: 3.81 min Scan# 317
Delta R.T. -0.02 min
Lab File: VL035060.D
Acq: 20 May 2020 1:31

Tgt Ion: 43 Resp: 774421
Ion Ratio Lower Upper
43 100
58 27.5 21.7 32.5





#19

Isopropyl Alcohol

Concen: 0.195 ppbv m

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL035060.D

Acq: 20 May 2020 1:31

Instrument :

MSVOA_L

ClientSampled :

FL-SSDL

Tot Ion: 45 Resp: 19738

Ion Ratio Lower Upper

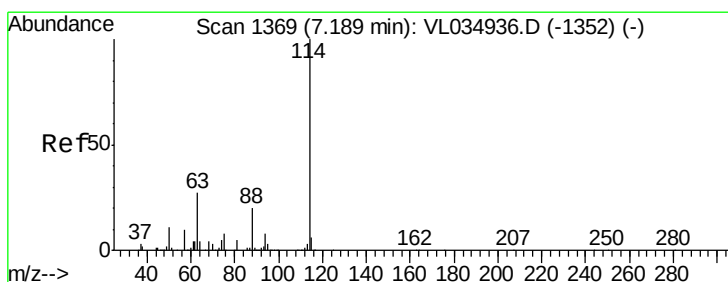
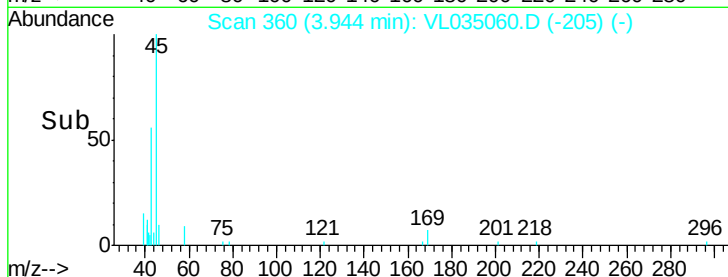
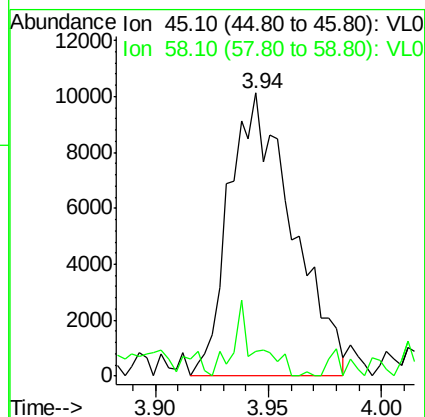
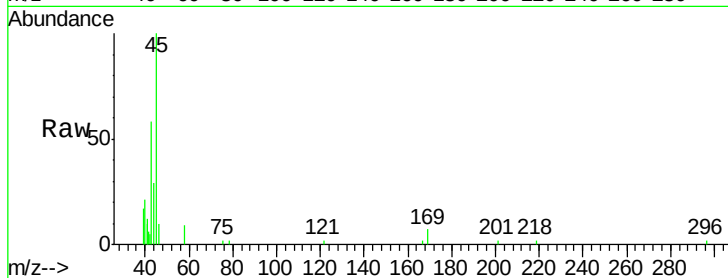
45 100

58 0.0 1.7 2.5#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.03 min

Lab File: VL035060.D

Acq: 20 May 2020 1:31

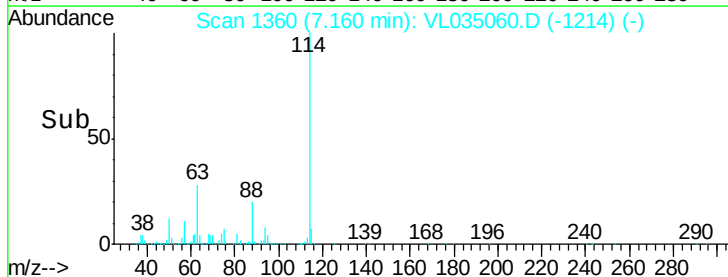
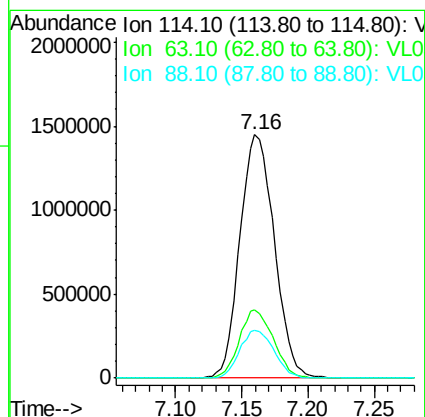
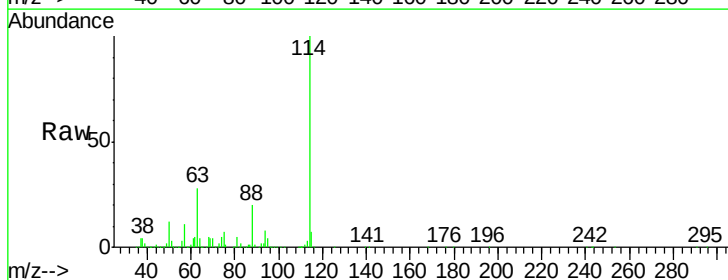
Tgt Ion: 114 Resp: 2621651

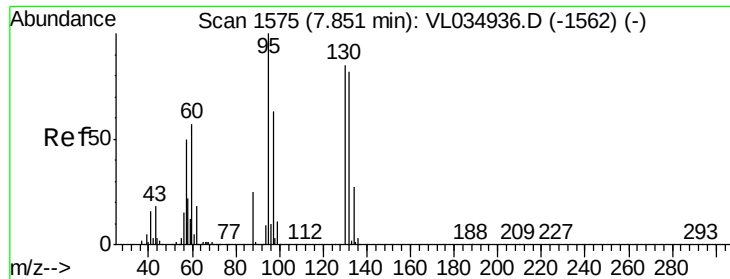
Ion Ratio Lower Upper

114 100

63 28.0 22.2 33.4

88 19.7 15.5 23.3





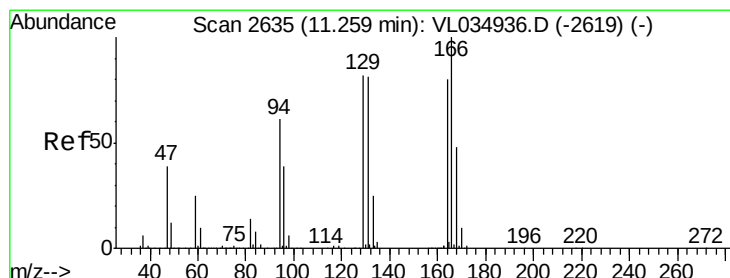
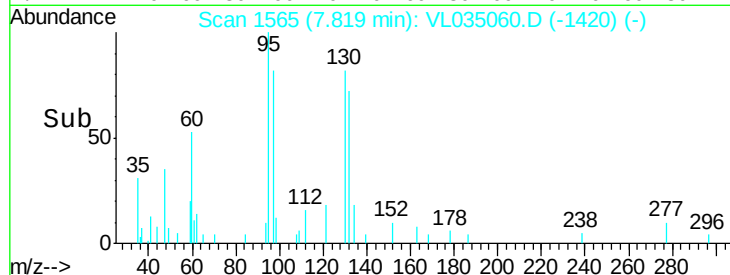
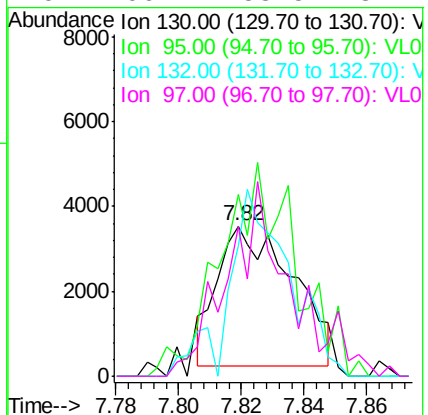
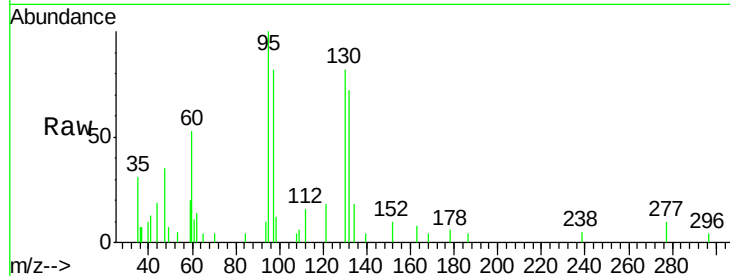
#38
 Trichloroethene
 Concen: 0.065 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.03 min
 Lab File: VL035060.D
 Acq: 20 May 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 FL-SSDL

Tot Ion	Ratio	Lower	Upper
130	100		
95	121.4	93.4	140.0
132	87.0	76.4	114.6
97	100.1	58.5	87.7#

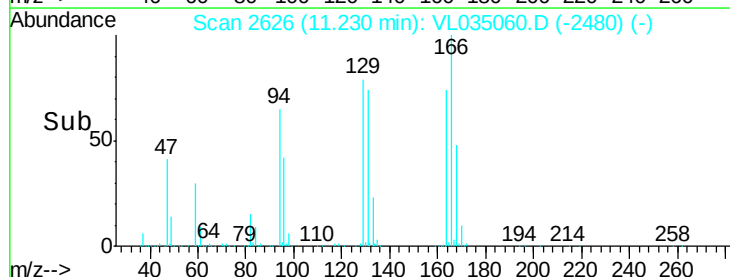
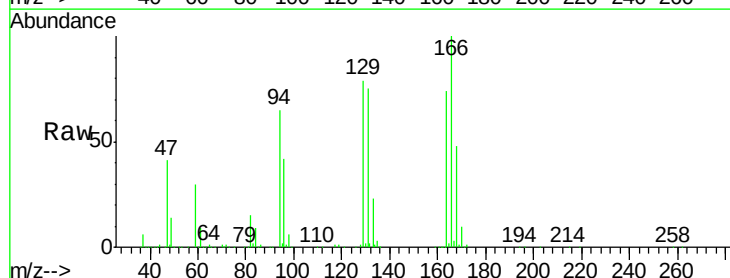
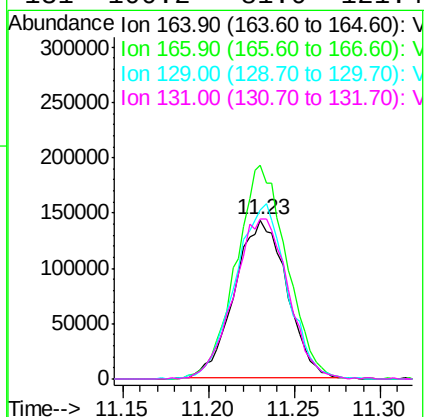
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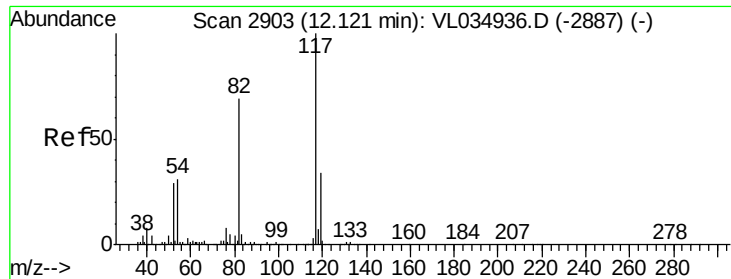
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#52
 Tetrachloroethene
 Concen: 3.884 ppbv
 RT: 11.23 min Scan# 2626
 Delta R.T. -0.03 min
 Lab File: VL035060.D
 Acq: 20 May 2020 1:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.1	100.7	151.1
129	106.0	83.0	124.4
131	100.2	81.0	121.4





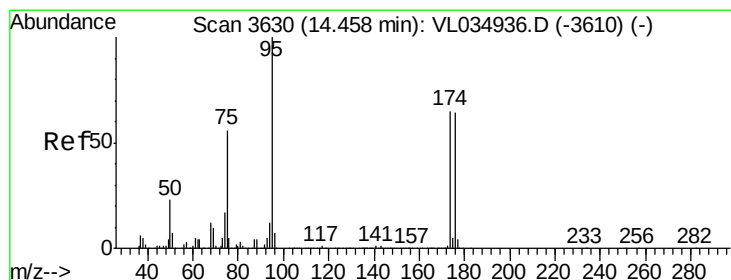
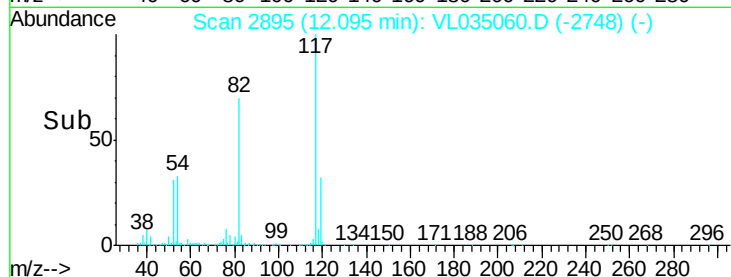
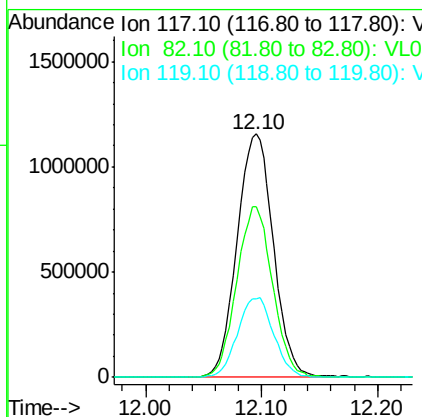
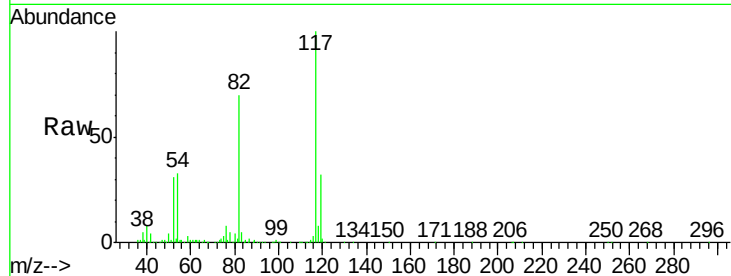
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035060.D
Acq: 20 May 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
FL-SSDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.5	53.1	79.7
119	32.9	26.7	40.1

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.461 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.03 min
Lab File: VL035060.D
Acq: 20 May 2020 1:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.0	51.5	77.3
175	4.7	3.8	5.8

