

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035666.D
 Acq On : 17 Sep 2020 21:20
 Operator : SY/AP
 Sample : L3983-02DL 400X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

Manual Integrations
 APPROVED

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Quant Time: Sep 18 04:56:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1153578	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4447077	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4410366	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3215686	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.86	43	329050	2.586	ppbv	96
34) 2-Butanone	5.27	43	24092	0.183	ppbv	96
38) Trichloroethene	7.84	130	20626m	0.123	ppbv	
52) Tetrachloroethene	11.24	164	1750136	10.407	ppbv	97

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

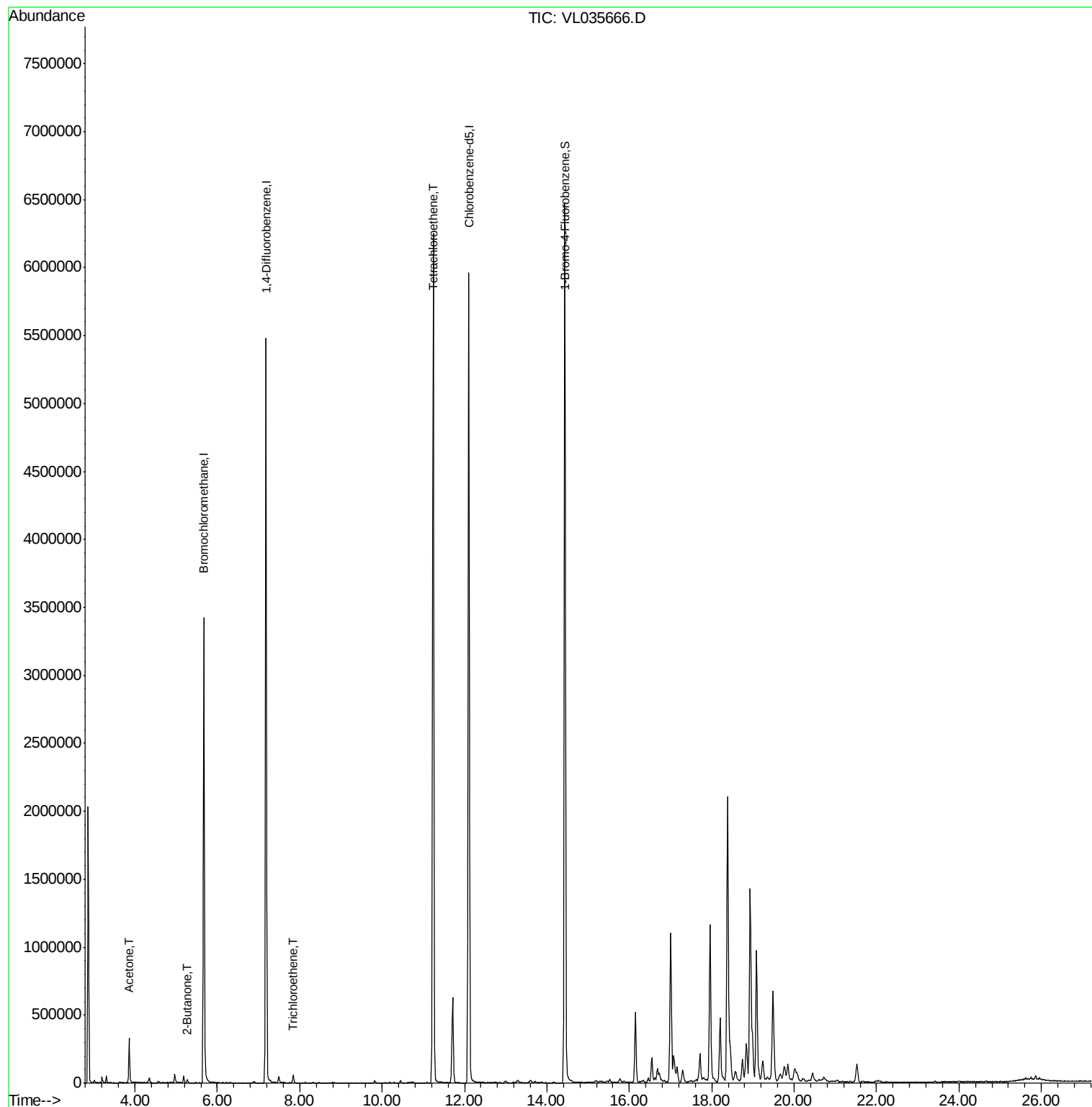
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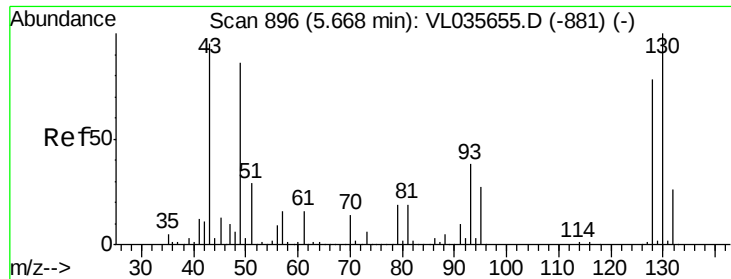
Instrument :
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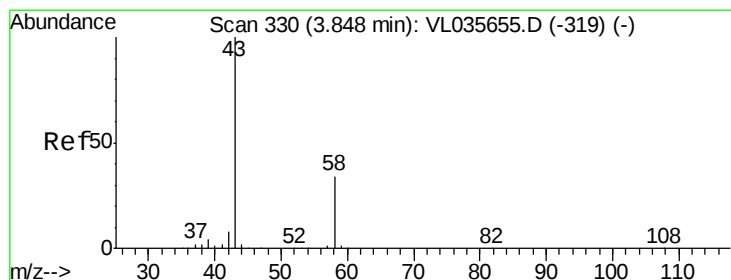
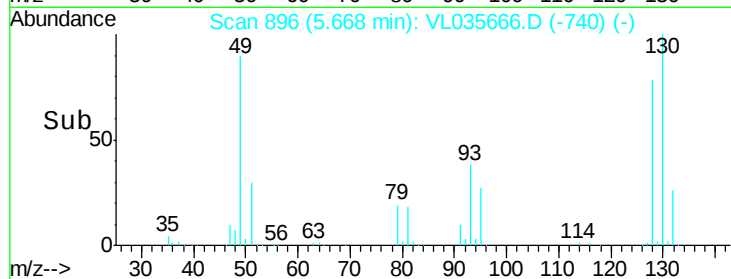
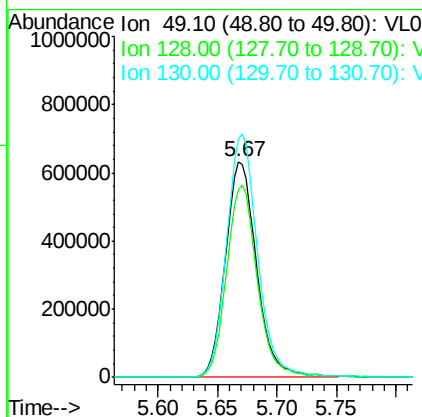
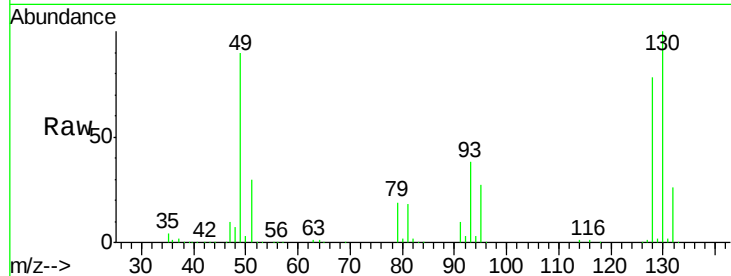
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL035666.D
 Acq: 17 Sep 2020 21:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

Tot Ion: 49 Resp: 1153578
 Ion Ratio Lower Upper
 49 100
 128 88.4 50.0 150.1
 130 113.3 64.4 193.2

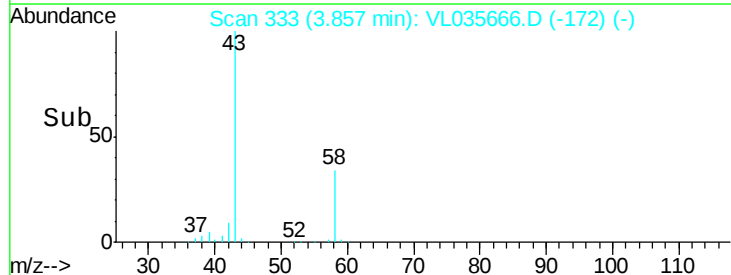
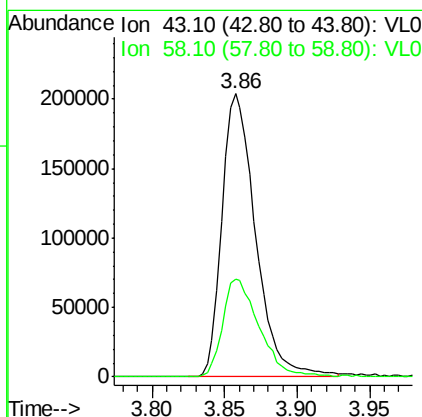
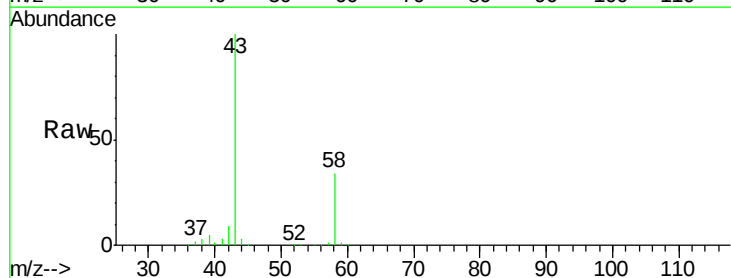
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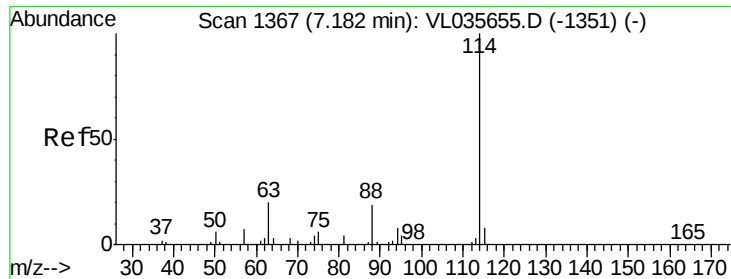
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#15
 Acetone
 Concen: 2.586 ppbv
 RT: 3.86 min Scan# 333
 Delta R.T. 0.02 min
 Lab File: VL035666.D
 Acq: 17 Sep 2020 21:20

Tgt Ion: 43 Resp: 329050
 Ion Ratio Lower Upper
 43 100
 58 38.0 28.4 42.6





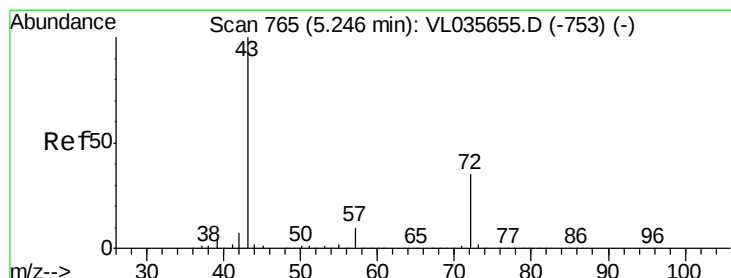
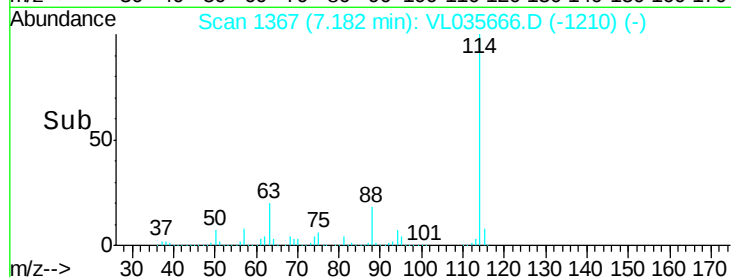
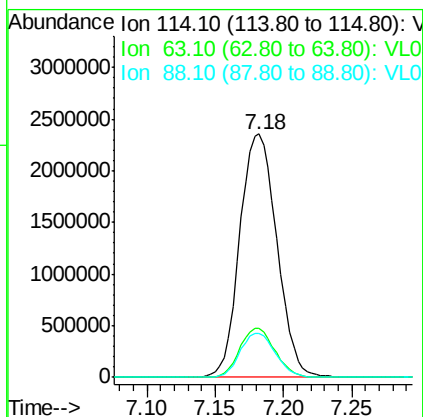
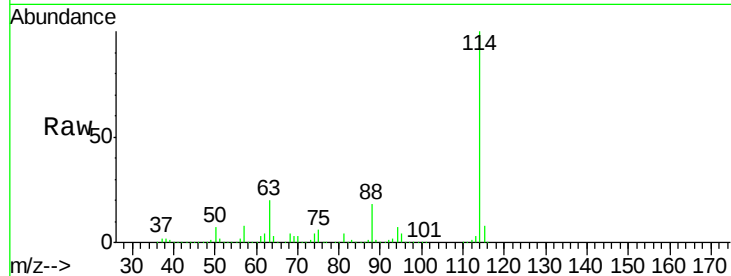
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035666.D
 Acq: 17 Sep 2020 21:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

Tot Ion:114 Resp: 4447077
 Ion Ratio Lower Upper
 114 100
 63 19.2 14.7 22.1
 88 17.3 13.4 20.2

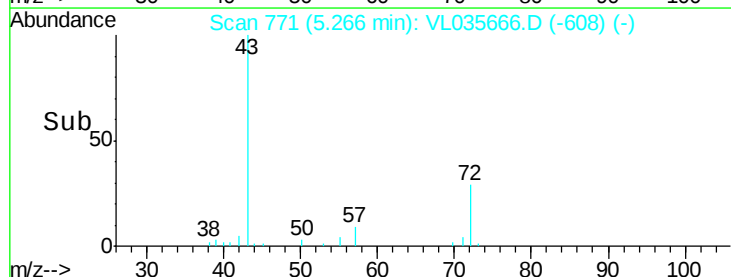
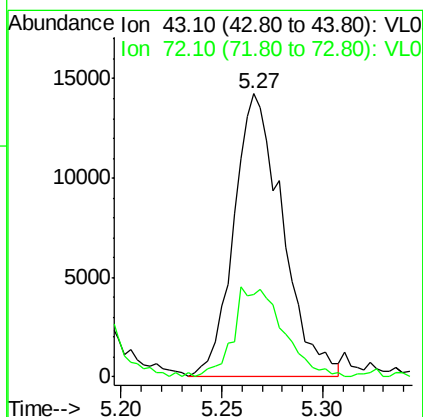
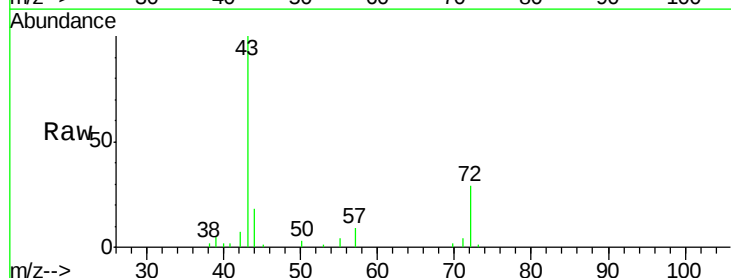
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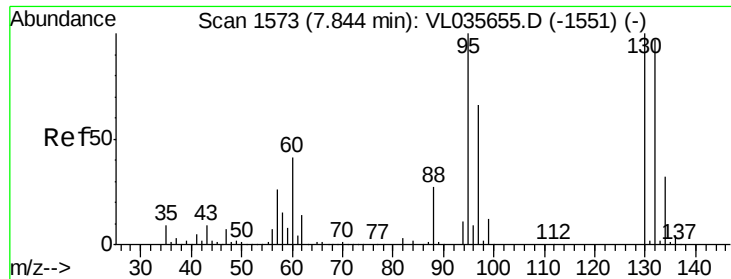
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#34
 2-Butanone
 Concen: 0.183 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.03 min
 Lab File: VL035666.D
 Acq: 17 Sep 2020 21:20

Tgt Ion: 43 Resp: 24092
 Ion Ratio Lower Upper
 43 100
 72 32.2 27.7 41.5





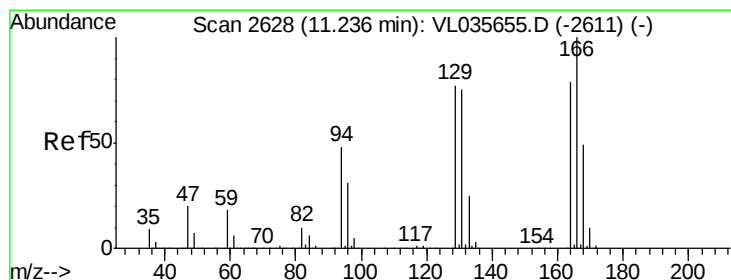
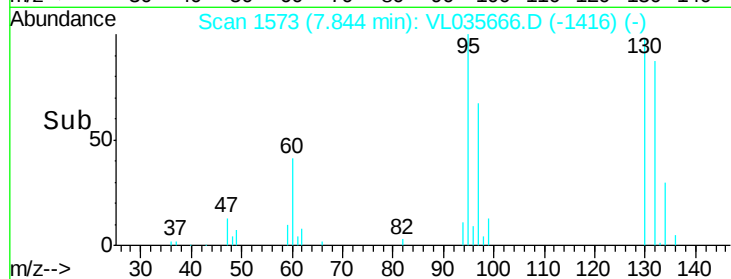
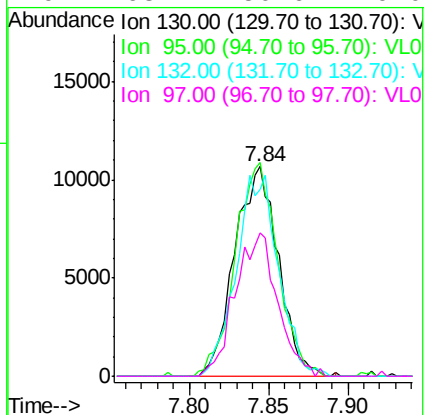
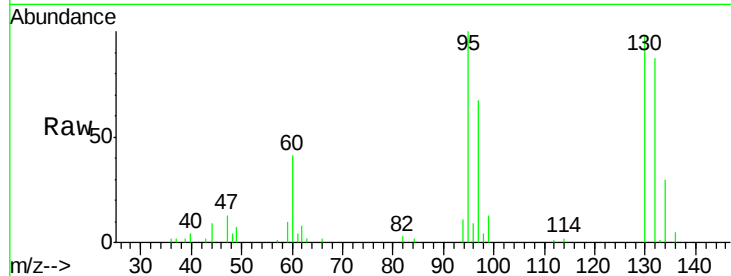
#38
 Trichloroethene
 Concen: 0.123 ppbv m
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL035666.D
 Acq: 17 Sep 2020 21:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		20626		
95	101.9	74.6	112.0		
132	89.1	77.6	116.4		
97	68.4	50.6	76.0		

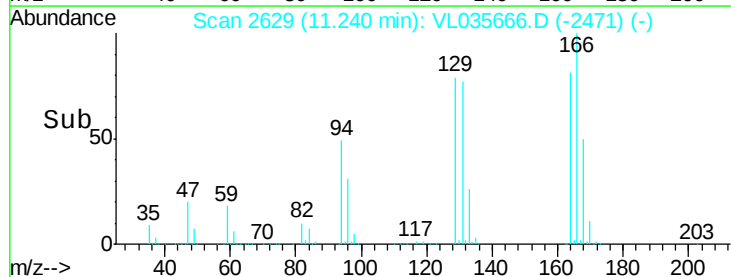
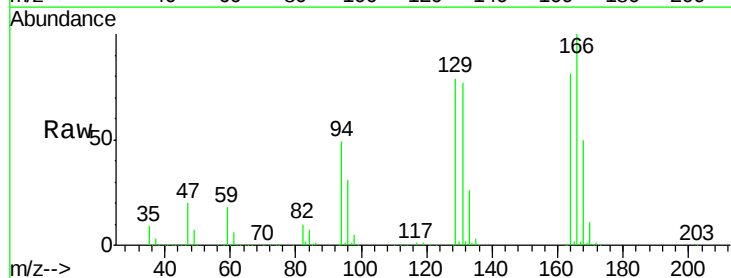
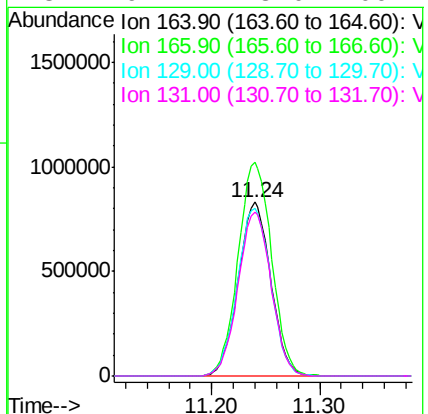
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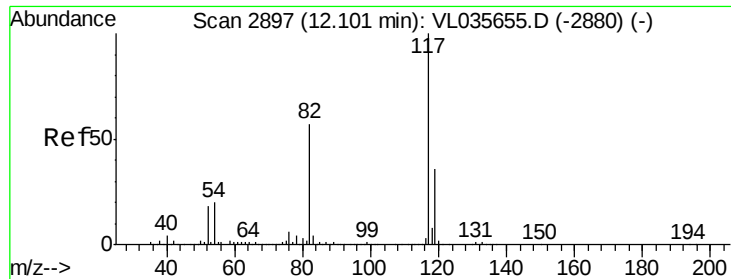
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#52
 Tetrachloroethene
 Concen: 10.407 ppbv
 RT: 11.24 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: VL035666.D
 Acq: 17 Sep 2020 21:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		1750136		
166	123.0	100.9	151.3		
129	96.6	75.3	112.9		
131	94.1	73.0	109.4		





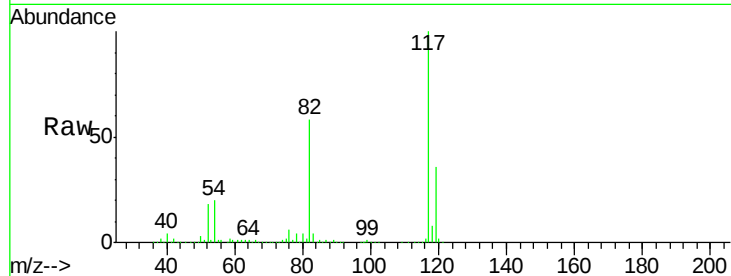
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL035666.D
Acq: 17 Sep 2020 21:20

Instrument :
MSVOA_L
ClientSampleId :
SV-7DL

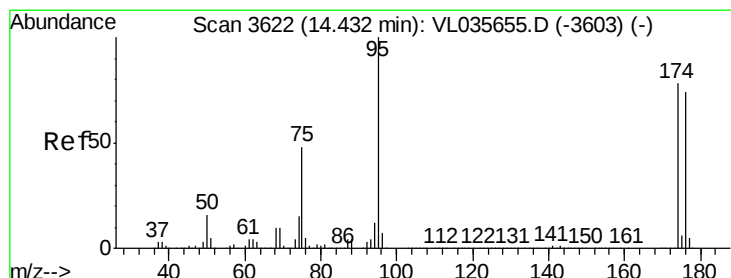
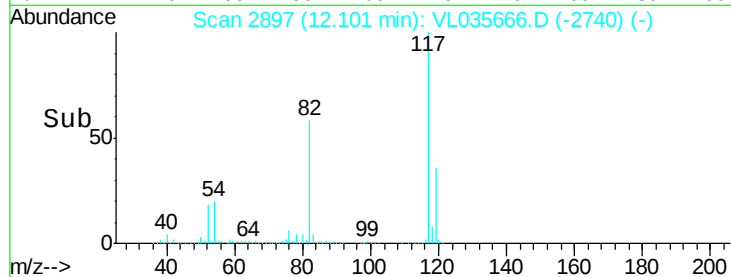
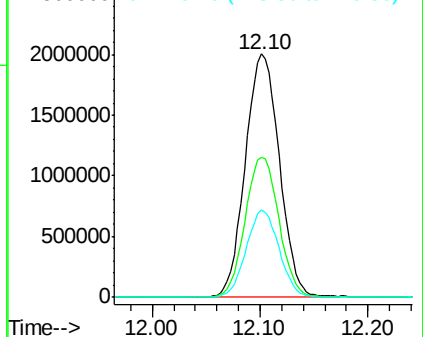
Tot Ion:117 Resp: 4410366
Ion Ratio Lower Upper
117 100
82 57.4 41.6 62.4
119 34.8 29.3 43.9

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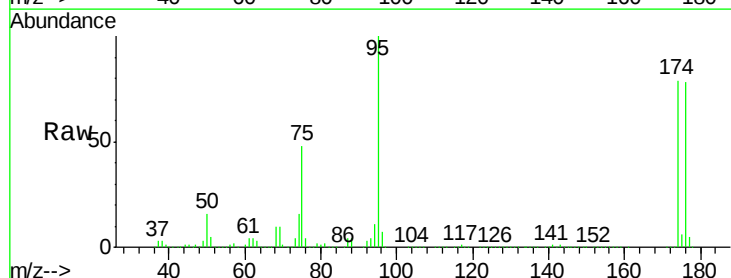


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.267 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.01 min
Lab File: VL035666.D
Acq: 17 Sep 2020 21:20

Tgt Ion: 95 Resp: 3215686
Ion Ratio Lower Upper
95 100
174 78.8 69.6 104.4
175 5.6 5.1 7.7



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

