

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034781.D
 Acq On : 4 Mar 2020 4:34
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
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Quant Time: Mar 04 06:33:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 04 2020
 QLast Update : Wed Mar 04 05:54:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1025984	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2098844	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.13	117	2049504	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1757491	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.23	62	2672	0.044	ppbv	# 80
32) 1,1,1-Trichloroethane	6.52	97	6238m	0.044	ppbv	
35) Carbon Tetrachloride	7.04	117	6368m	0.045	ppbv	
38) Trichloroethene	7.86	130	2741m	0.039	ppbv	
52) Tetrachloroethene	11.26	164	2385m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.73	83	6088m	0.036	ppbv	

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

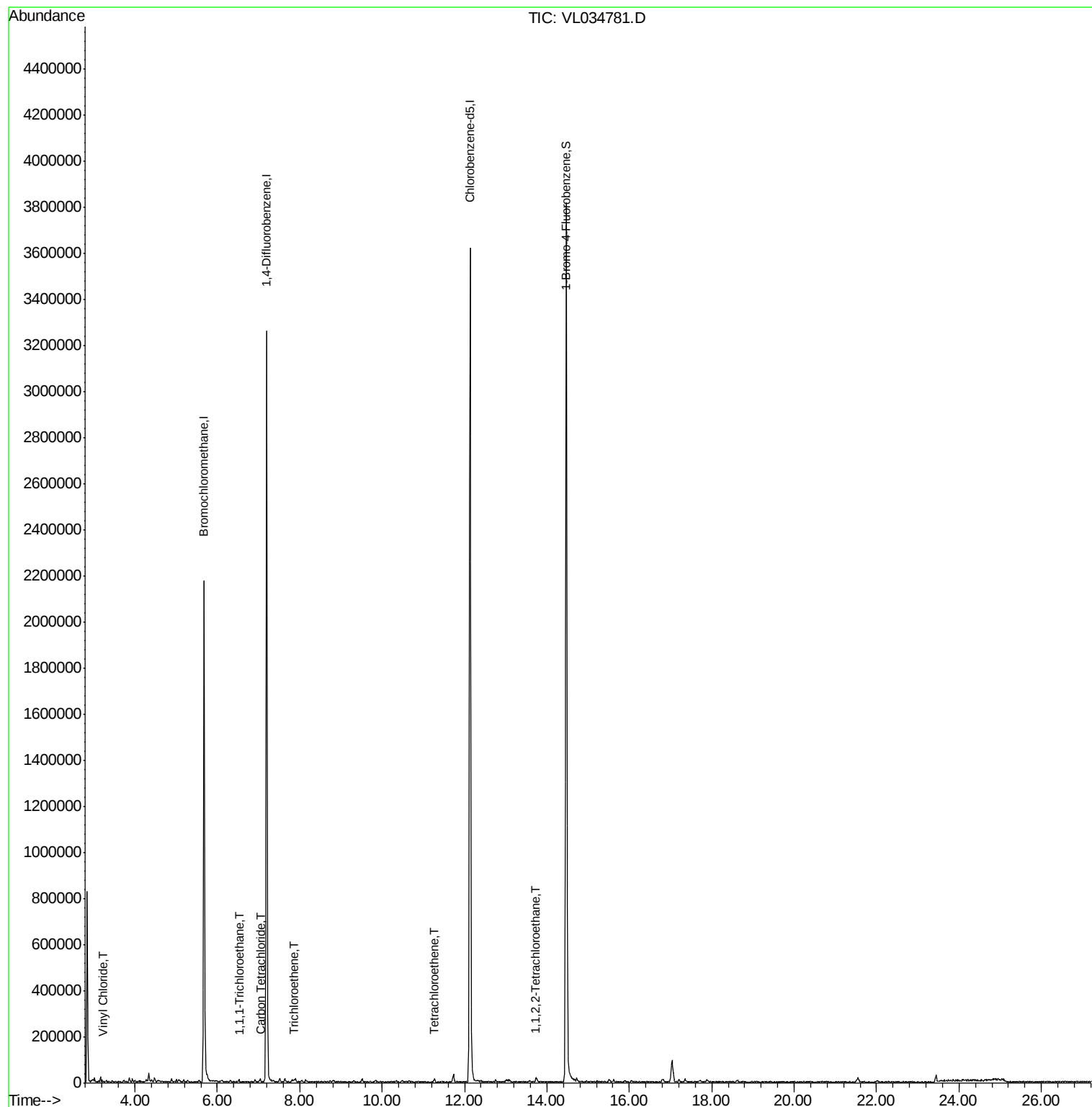
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030420\
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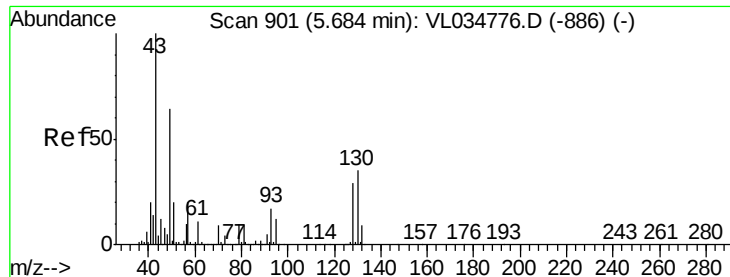
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Manual Integrations
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Quant Time: Mar 04 06:33:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 04 05:54:58 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL034781.D

Acq: 4 Mar 2020 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1025984

Ion Ratio Lower Upper

49 100

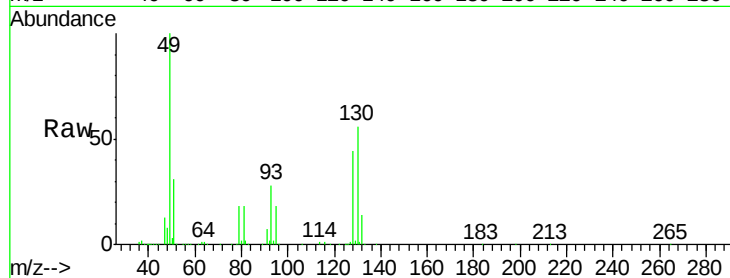
128 44.1 21.6 64.6

130 56.5 27.4 82.2

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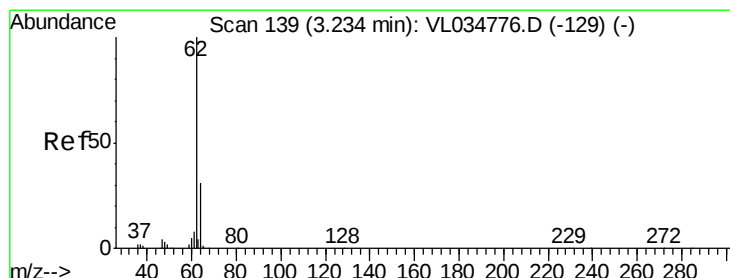
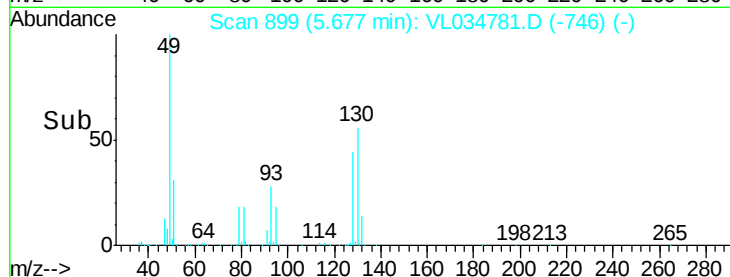
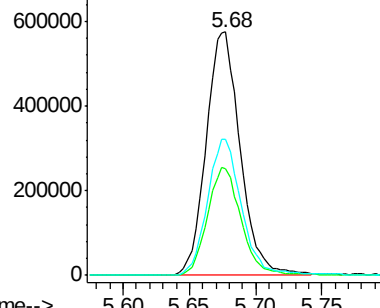
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.044 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.00 min

Lab File: VL034781.D

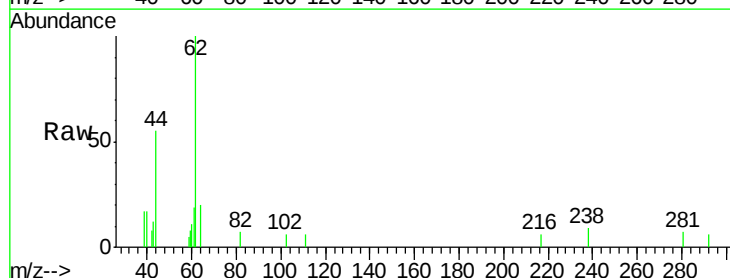
Acq: 4 Mar 2020 4:34

Tgt Ion: 62 Resp: 2672

Ion Ratio Lower Upper

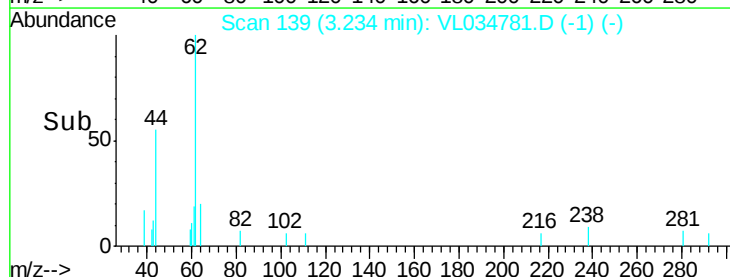
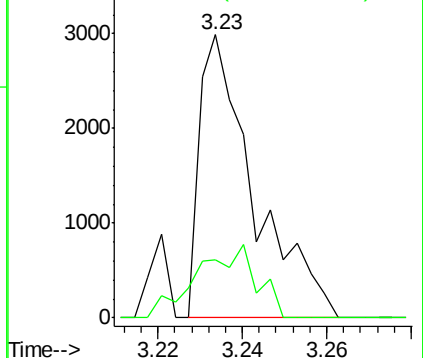
62 100

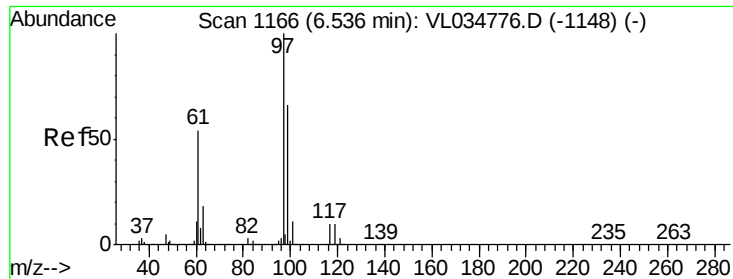
64 20.4 25.1 37.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





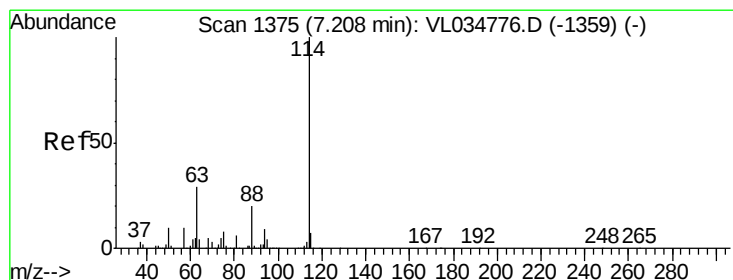
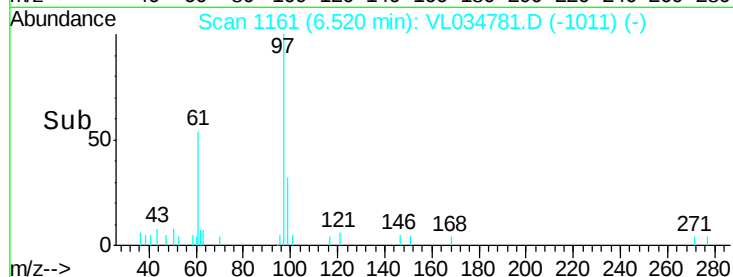
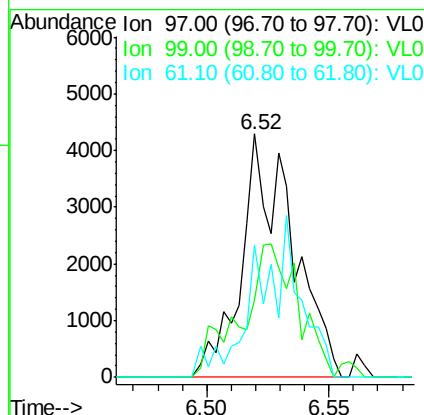
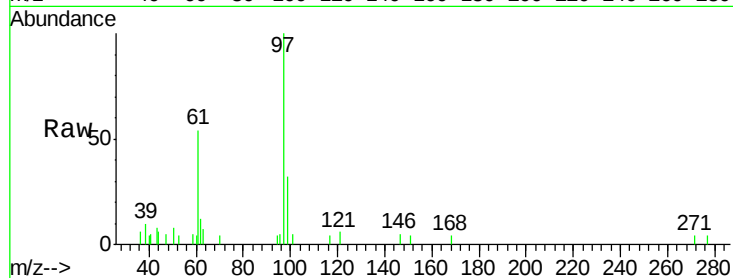
#32
 1,1,1-Trichloroethane
 Concen: 0.044 ppbv m
 RT: 6.52 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: VL034781.D
 Acq: 4 Mar 2020 4:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.7	77.5
61	56.5	43.4	65.0

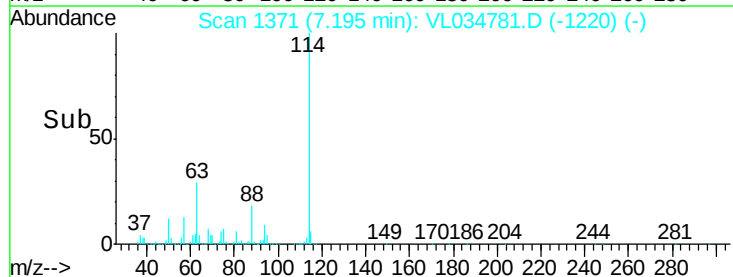
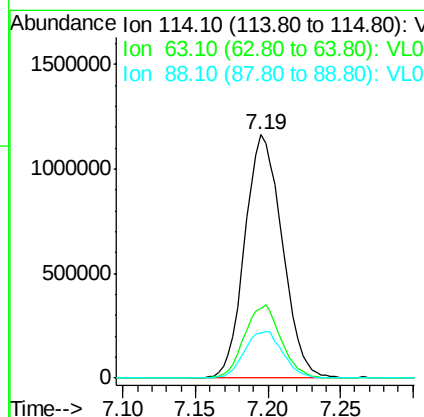
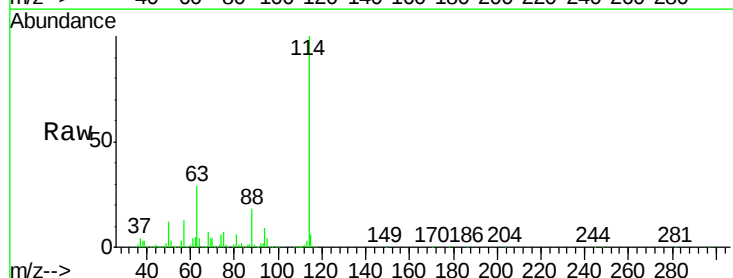
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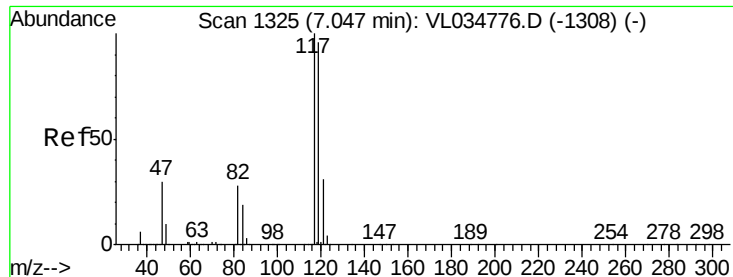
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: VL034781.D
 Acq: 4 Mar 2020 4:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.6	23.6	35.4
88	19.6	15.8	23.8





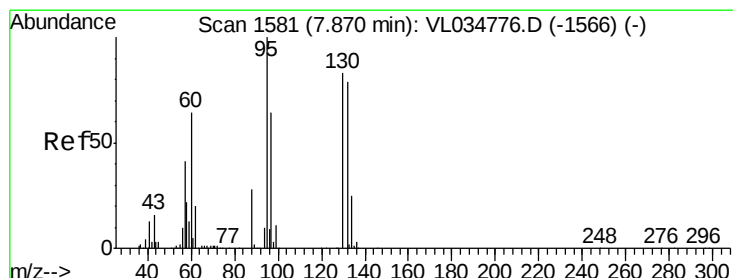
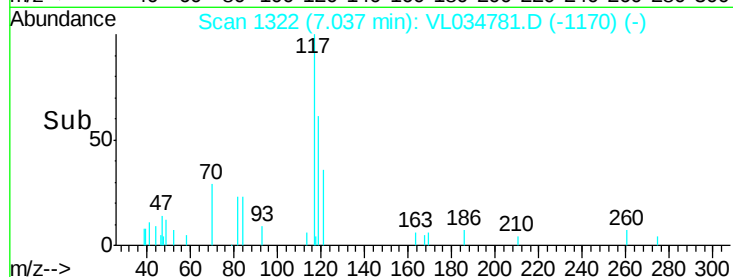
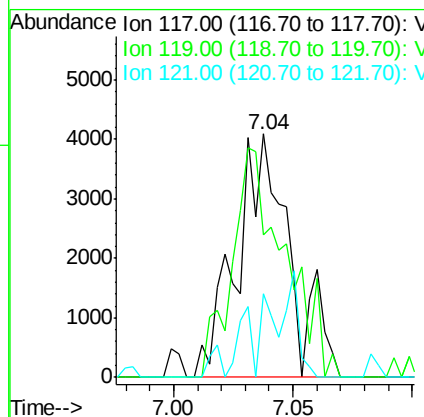
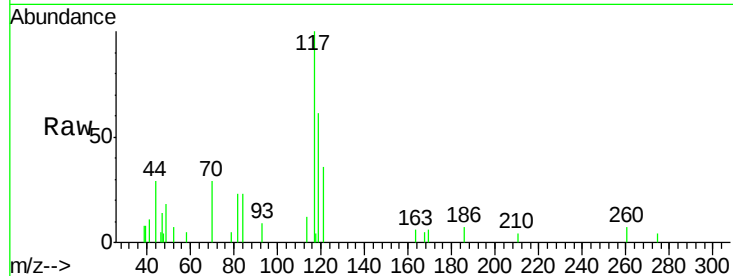
#35
Carbon Tetrachloride
Concen: 0.045 ppbv m
RT: 7.04 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VL034781.D
Acq: 4 Mar 2020 4:34

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	61.0	76.8	115.2#
121	35.8	24.6	37.0

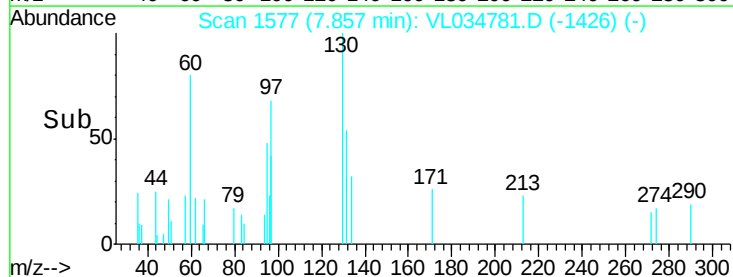
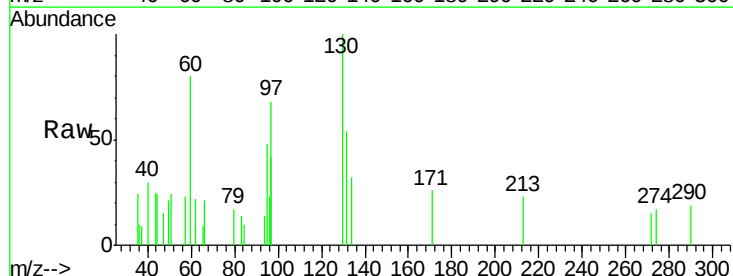
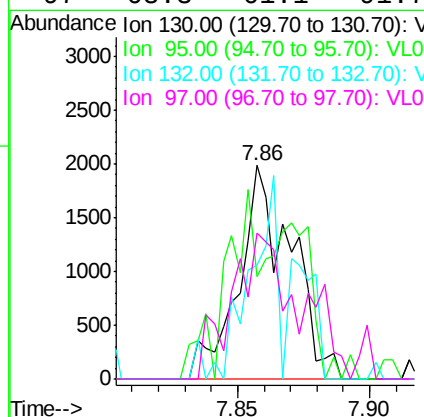
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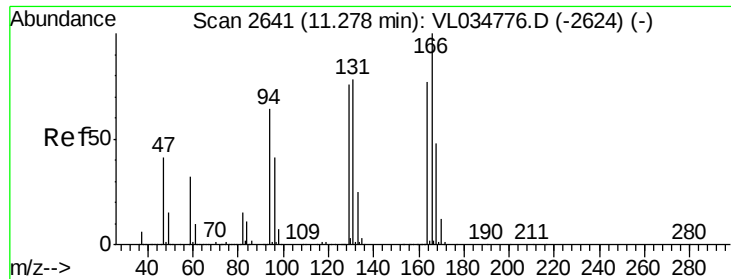
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#38
Trichloroethene
Concen: 0.039 ppbv m
RT: 7.86 min Scan# 1577
Delta R.T. -0.01 min
Lab File: VL034781.D
Acq: 4 Mar 2020 4:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	47.9	95.8	143.8#
132	53.6	76.1	114.1#
97	68.3	61.1	91.7





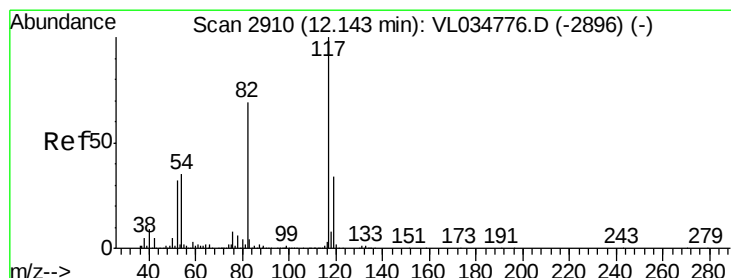
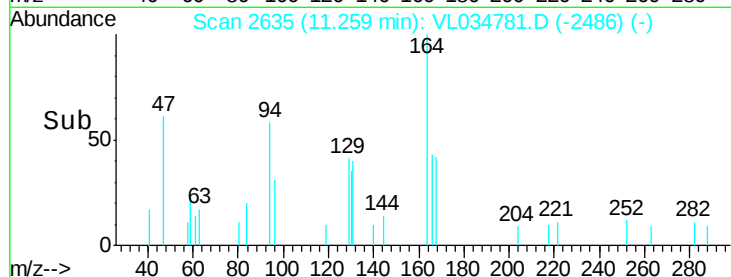
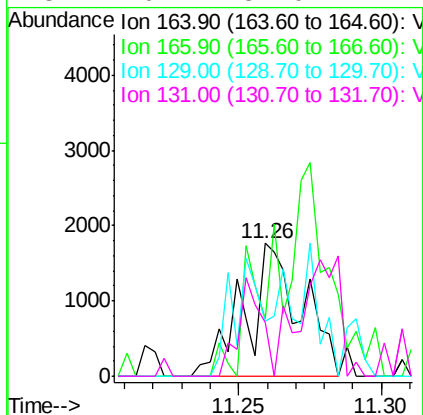
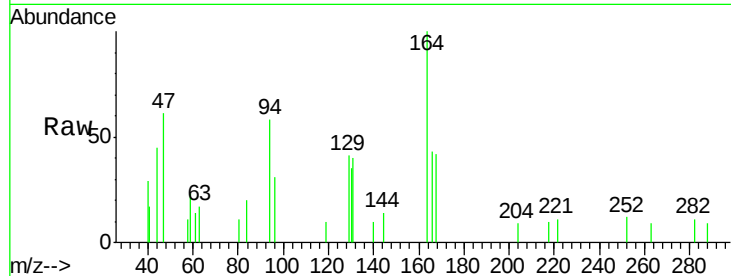
#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 11.26 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL034781.D
Acq: 4 Mar 2020 4:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	43.1	103.3	154.9#
129	41.0	79.0	118.4#
131	40.1	81.0	121.4#

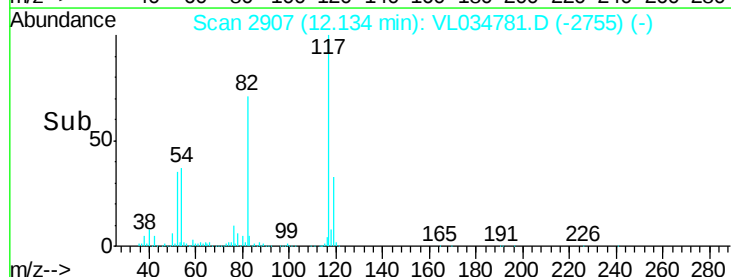
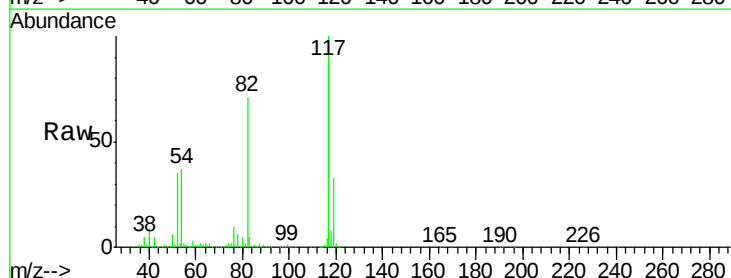
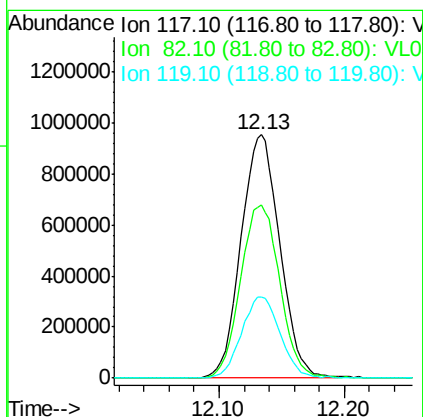
Manual Integrations
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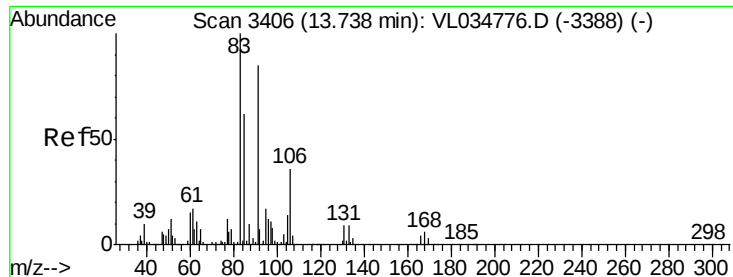
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL034781.D
Acq: 4 Mar 2020 4:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.3	53.9	80.9
119	33.4	25.0	37.4





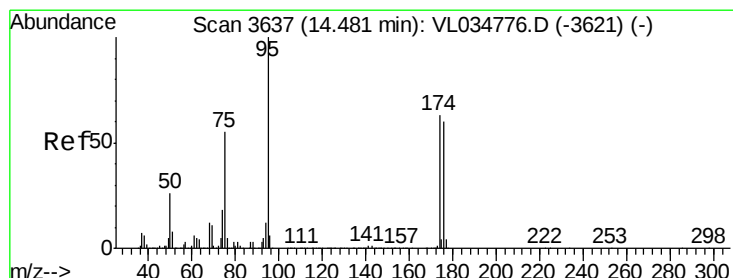
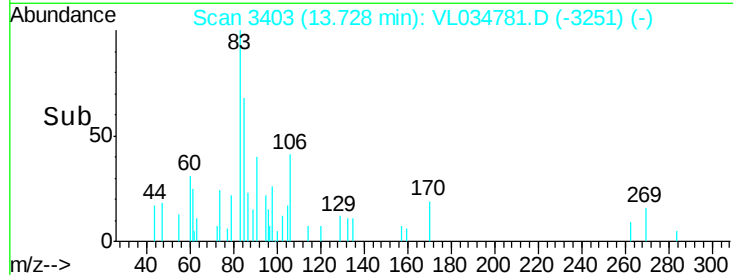
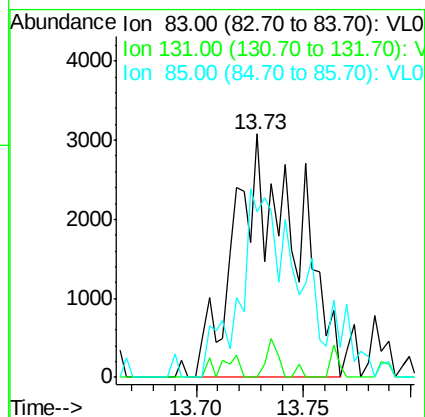
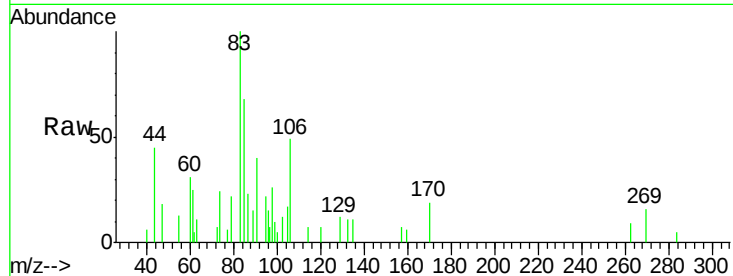
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.036 ppbv m
 RT: 13.73 min Scan# 3403
 Delta R.T. -0.01 min
 Lab File: VL034781.D
 Acq: 4 Mar 2020 4:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	82.4	32.9	98.7

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.458 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. -0.01 min
 Lab File: VL034781.D
 Acq: 4 Mar 2020 4:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	61.6	50.6	76.0
175	4.6	3.8	5.6

