

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036160.D
 Acq On : 11 Dec 2020 11:58
 Operator : SY/AP
 Sample : L4948-16DL 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4BDL

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 4:52:16 PM

Quant Time: Dec 13 22:53:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1271585	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2619126	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.08	117	2315871	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2021298	10.99	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	54159m	5.406	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	129641m	0.696	ppbv	
38) Trichloroethene	7.82	130	38600m	0.465	ppbv	
52) Tetrachloroethene	11.21	164	420990m	5.239	ppbv	

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

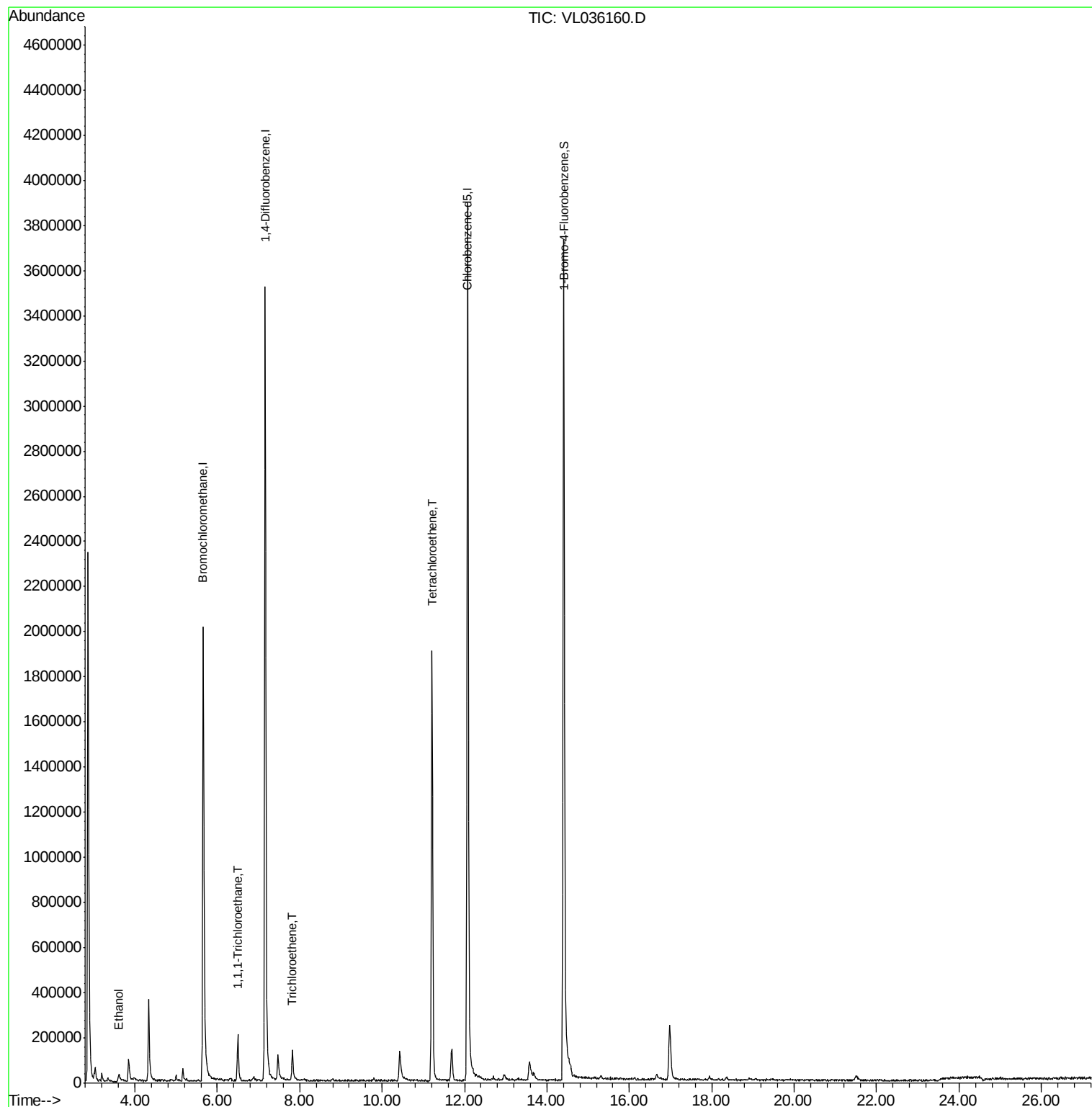
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121020\
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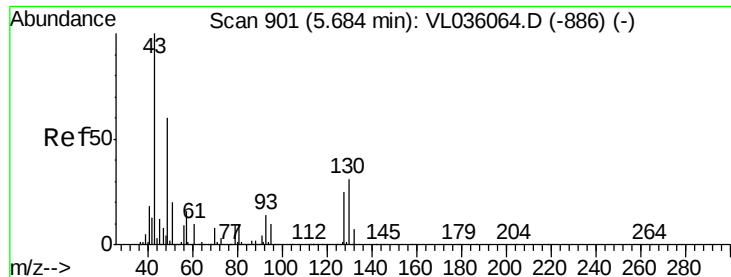
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Dec 13 22:53:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL036160.D

Acq: 11 Dec 2020 11:58

Instrument :

MSVOA_L

ClientSampleId :

SS-4BDL

Tot Ion: 49 Resp: 1271585

Ion Ratio Lower Upper

49 100

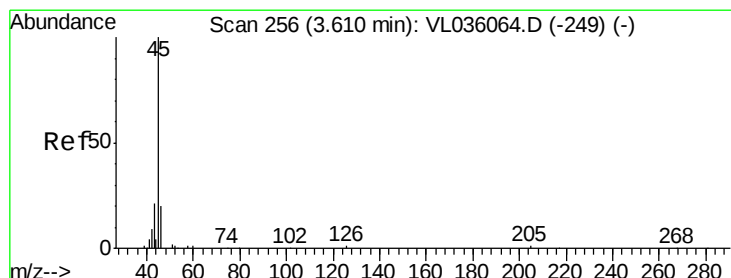
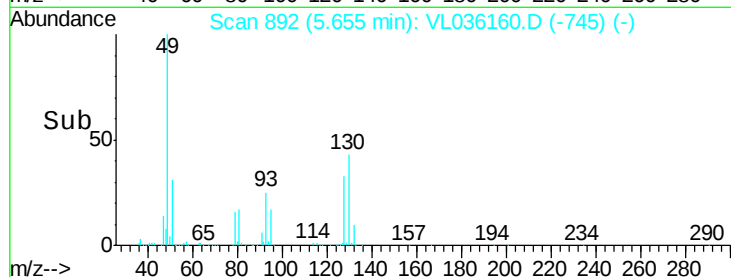
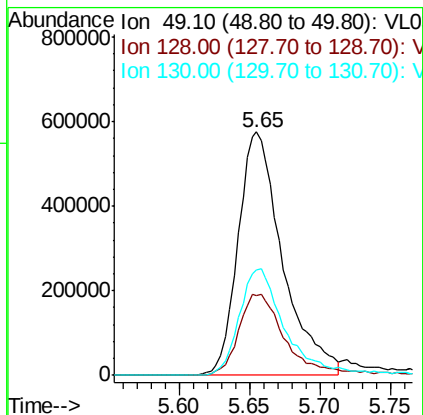
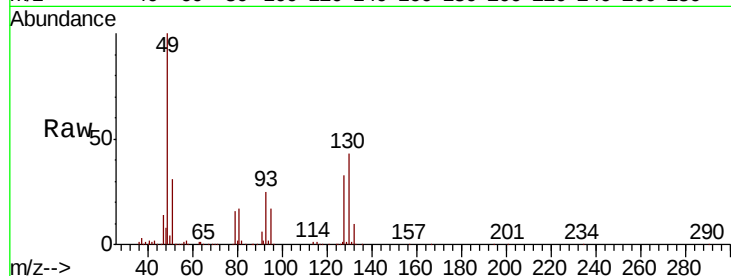
128 35.7 21.1 63.1

130 46.5 27.1 81.3

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#13

Ethanol

Concen: 5.406 ppbv m

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL036160.D

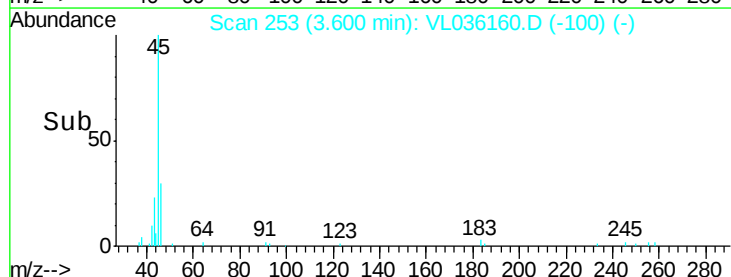
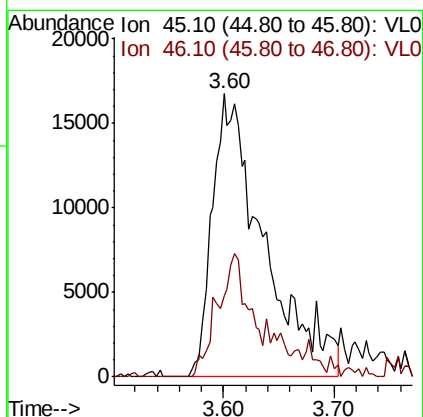
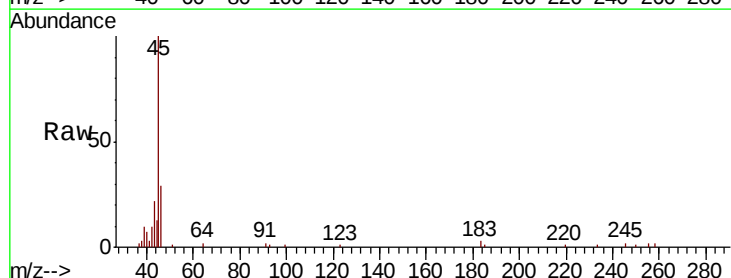
Acq: 11 Dec 2020 11:58

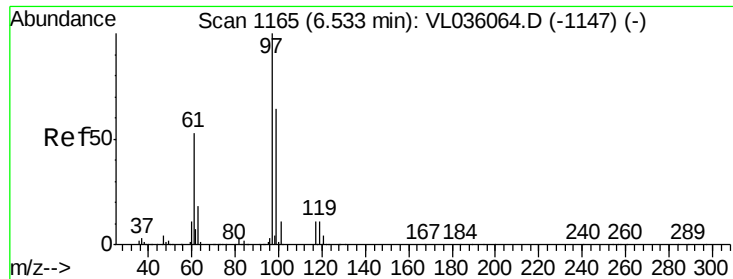
Tgt Ion: 45 Resp: 54159

Ion Ratio Lower Upper

45 100

46 0.0 19.0 75.8#





#32

1,1,1-Trichloroethane

Concen: 0.696 ppbv m

RT: 6.50 min Scan# 1155

Delta R.T. -0.03 min

Lab File: VL036160.D

Acq: 11 Dec 2020 11:58

Instrument :

MSVOA_L

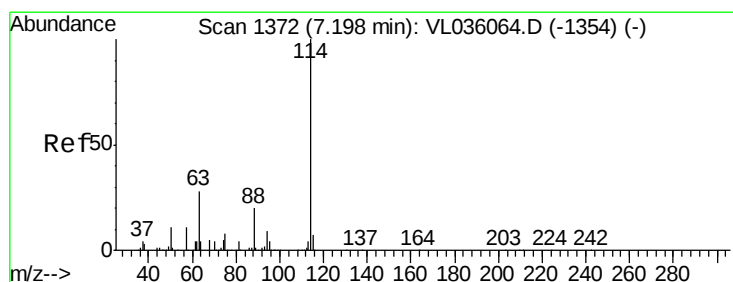
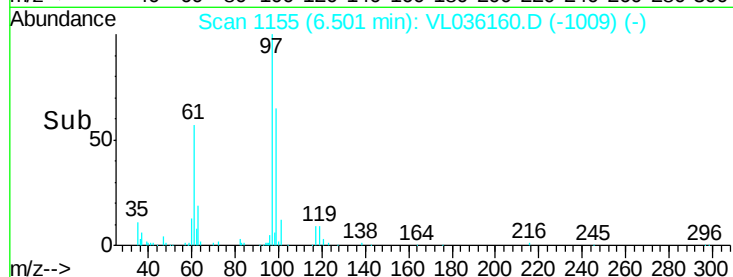
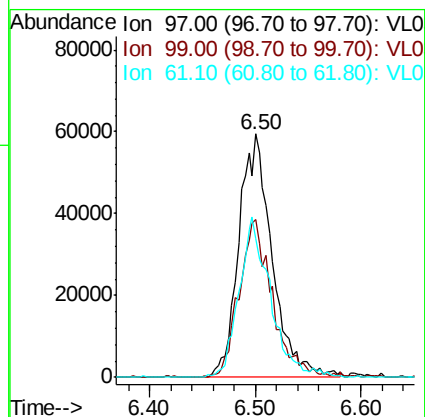
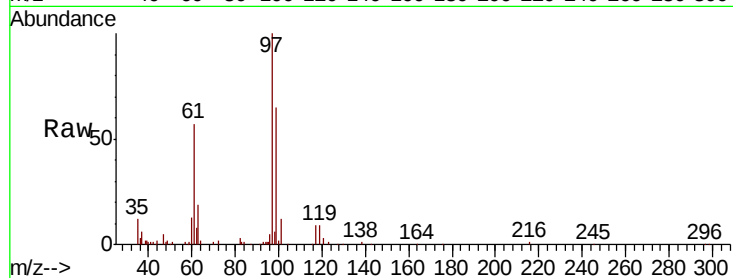
ClientSampleId :

SS-4BDL

Tot Ion:	97	Resp:	129641
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.4	78.6
61	62.3	43.4	65.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

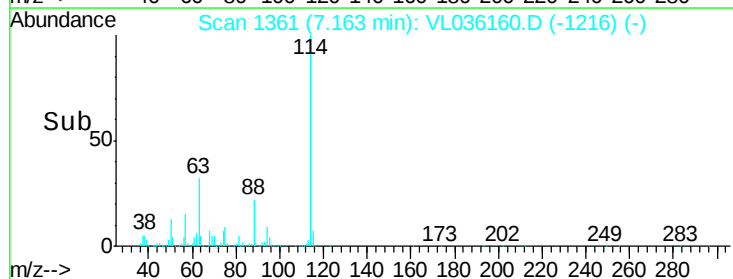
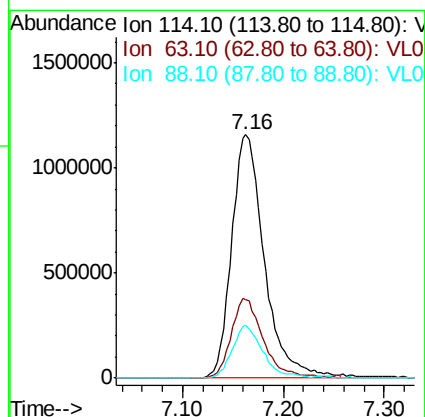
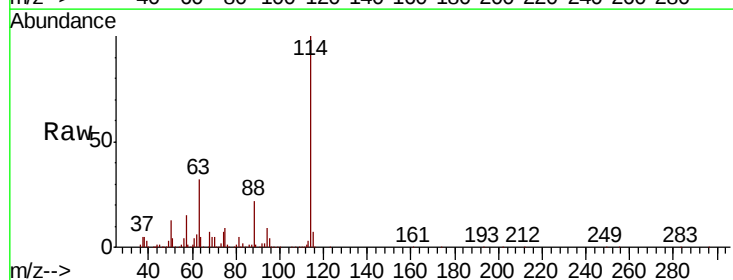
RT: 7.16 min Scan# 1361

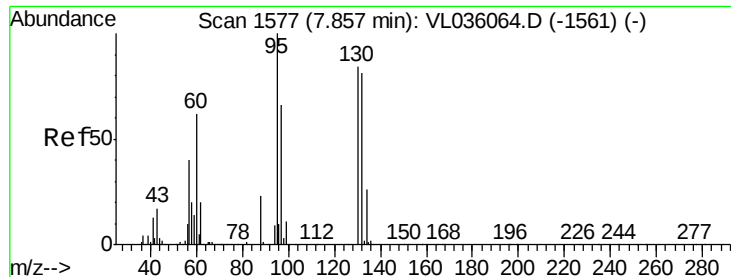
Delta R.T. -0.04 min

Lab File: VL036160.D

Acq: 11 Dec 2020 11:58

Tgt Ion:	114	Resp:	2619126
Ion	Ratio	Lower	Upper
114	100		
63	32.6	23.6	35.4
88	20.6	15.8	23.6





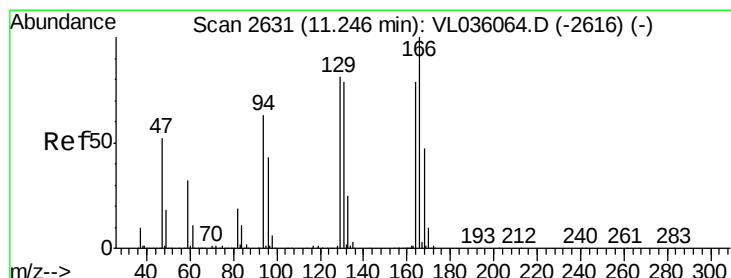
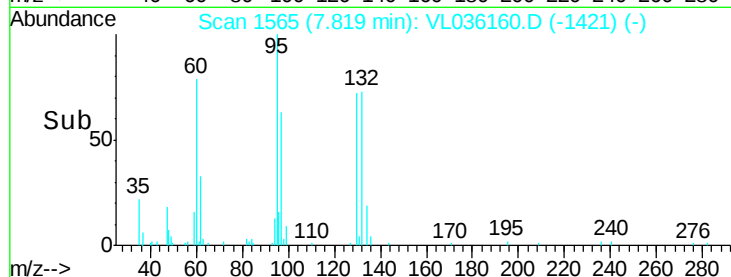
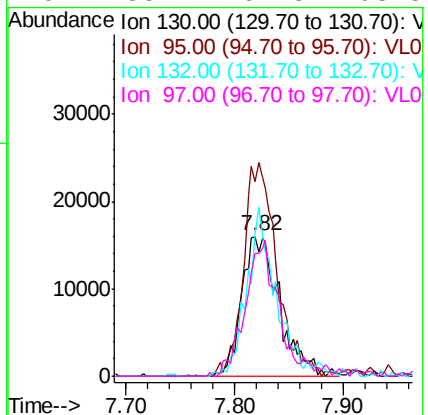
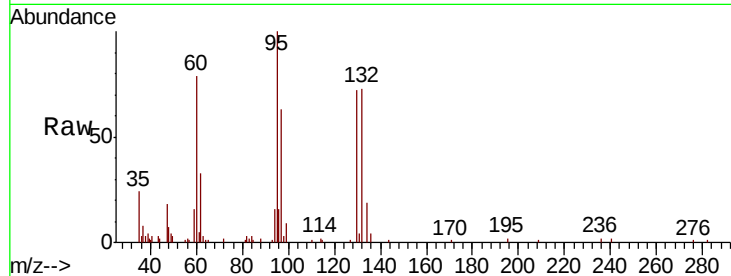
#38
 Trichloroethene
 Concen: 0.465 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.04 min
 Lab File: VL036160.D
 Acq: 11 Dec 2020 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4BDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		38600		
95	139.1	95.2	142.8		
132	101.7	76.9	115.3		
97	88.2	62.3	93.5		

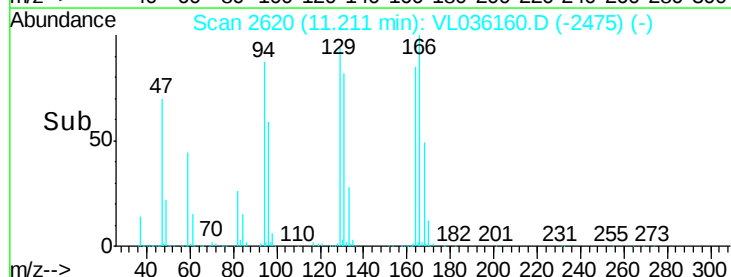
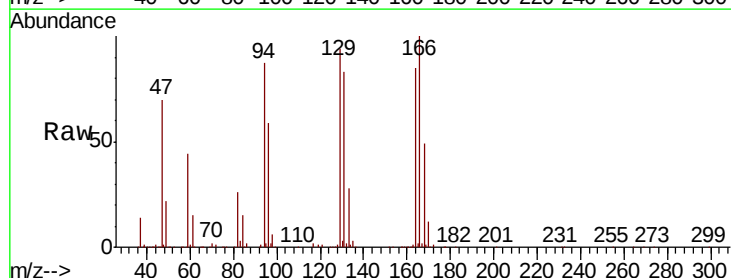
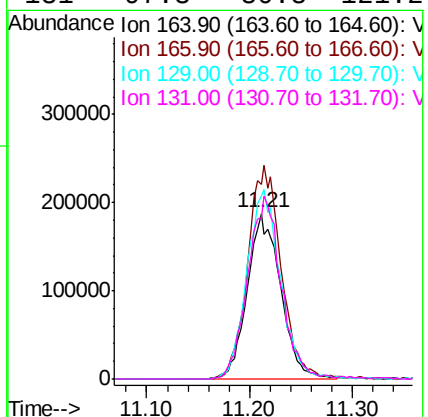
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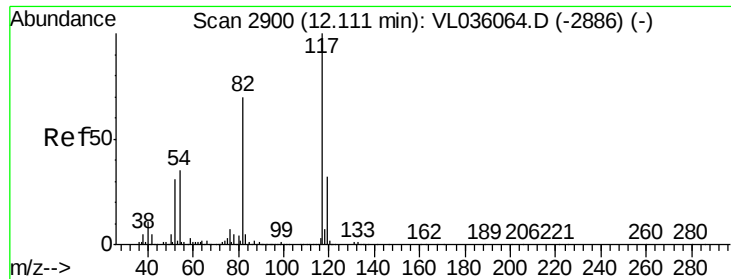
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#52
 Tetrachloroethene
 Concen: 5.239 ppbv m
 RT: 11.21 min Scan# 2620
 Delta R.T. -0.04 min
 Lab File: VL036160.D
 Acq: 11 Dec 2020 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		420990		
166	117.9	101.9	152.9		
129	110.9	82.1	123.1		
131	97.3	80.8	121.2		





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.04 min

Lab File: VL036160.D

Acq: 11 Dec 2020 11:58

Instrument :

MSVOA_L

ClientSampleId :

SS-4BDL

Tot Ion: 117 Resp: 2315871

Ion Ratio Lower Upper

117 100

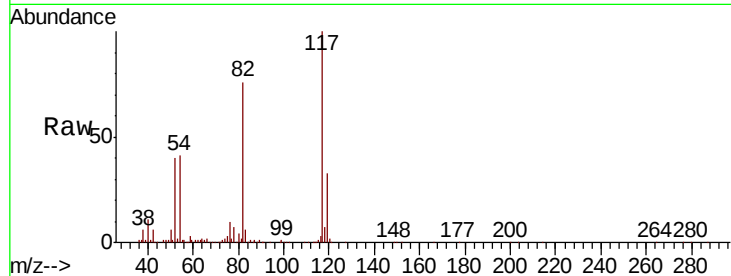
82 81.1 0.0 0.0#

119 33.4 0.0 0.0#

Manual Integrations
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

1200000

1000000

800000

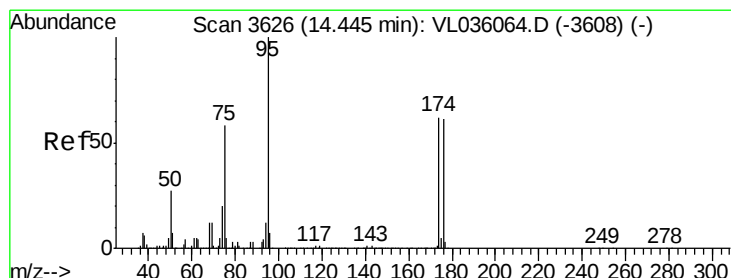
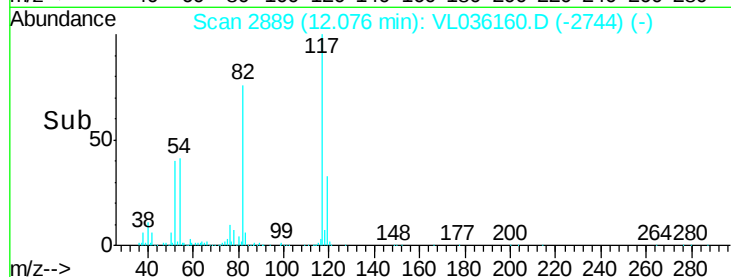
600000

400000

200000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.992 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.04 min

Lab File: VL036160.D

Acq: 11 Dec 2020 11:58

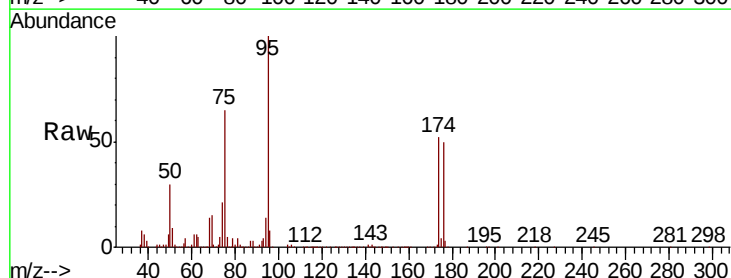
Tgt Ion: 95 Resp: 2021298

Ion Ratio Lower Upper

95 100

174 54.3 50.7 76.1

175 3.9 4.0 6.0#



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

1000000

800000

600000

400000

200000

0

Time-->

