

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036136.D
 Acq On : 10 Dec 2020 20:20
 Operator : SY/AP
 Sample : L4948-11DL 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5BDL

Manual Integrations
 APPROVED

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Quant Time: Dec 13 22:45:39 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	1334562	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2678601	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2426847	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2041784	10.60	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	277697	1.786	ppbv	93
13) Ethanol	3.60	45	55275m	5.257	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	105792m	0.807	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	23119m	0.118	ppbv	
38) Trichloroethene	7.82	130	102798m	1.211	ppbv	
52) Tetrachloroethene	11.21	164	556462	6.772	ppbv	94

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

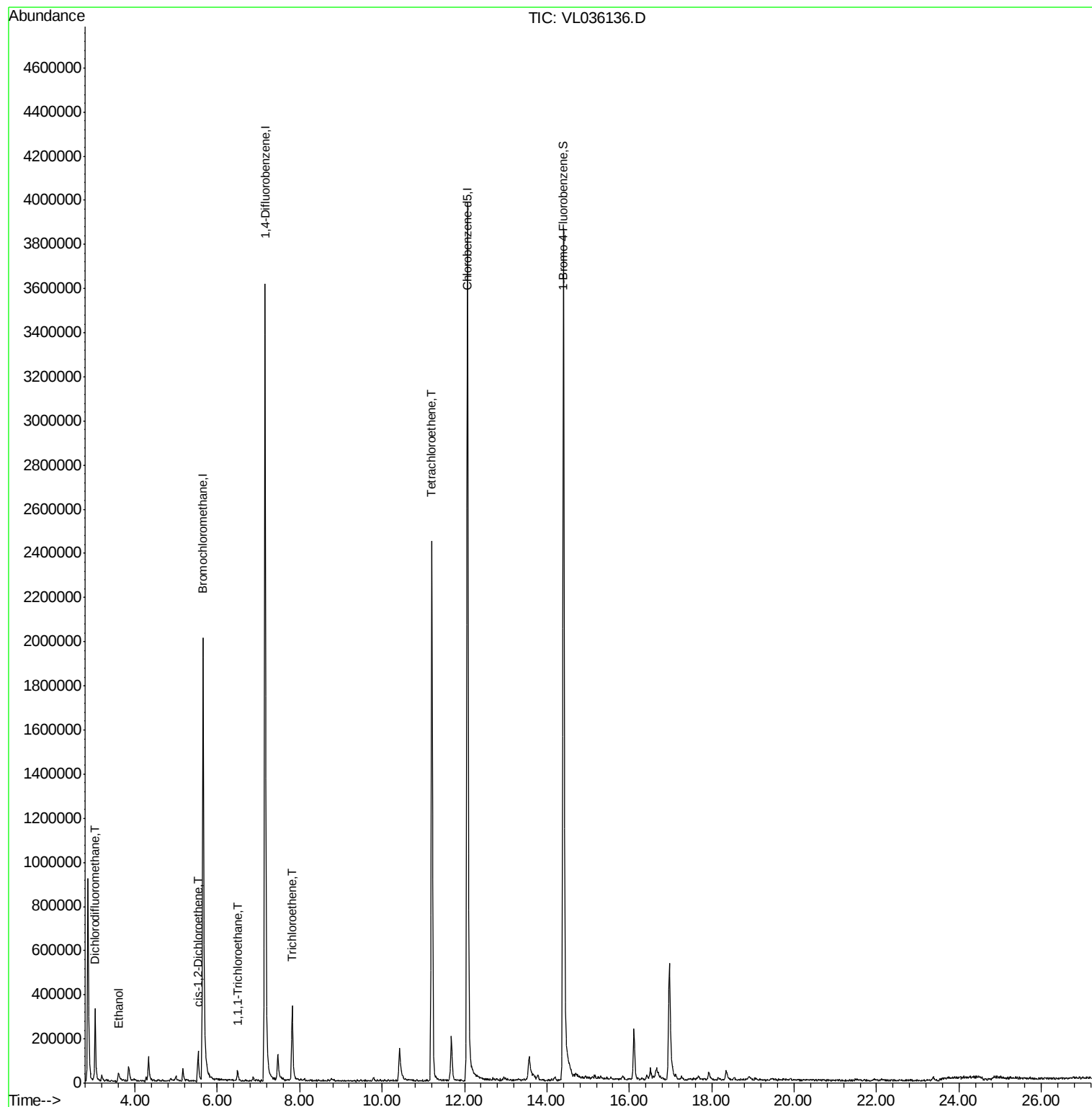
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121020\
Data File : VL036136.D
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Misc : 400ml/MSVOA L
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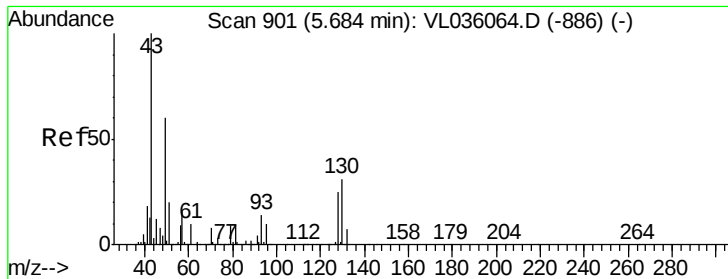
Instrument :
MSVOA_L
ClientSampleId :
SS-5BDL

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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# 890

Delta R.T. -0.04 min

Lab File: VL036136.D

Acq: 10 Dec 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

SS-5BDL

Tot Ion: 49 Resp: 1334562

Ion Ratio Lower Upper

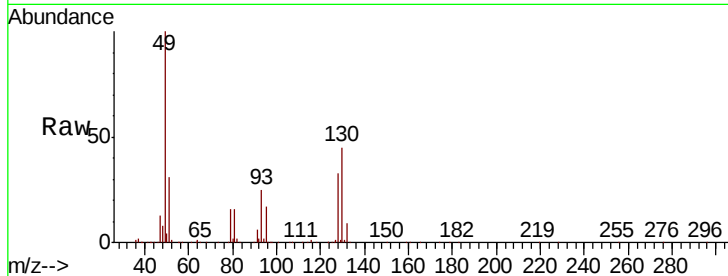
49 100

128 36.7 21.1 63.1

130 46.1 27.1 81.3

Manual Integrations
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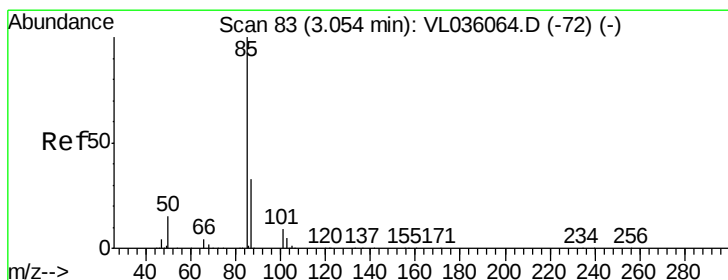
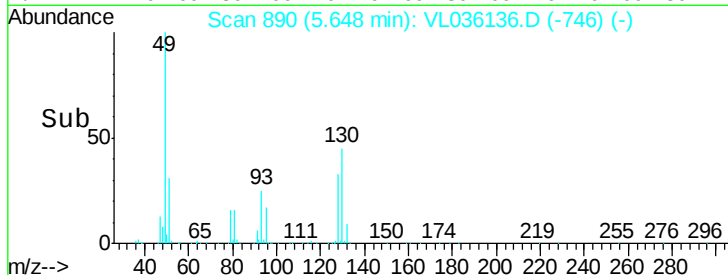
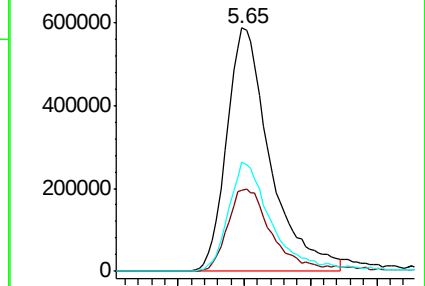
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.786 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036136.D

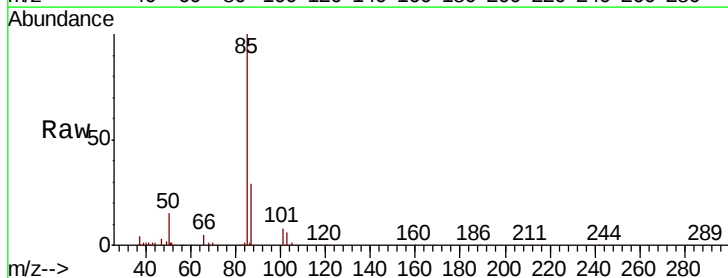
Acq: 10 Dec 2020 20:20

Tgt Ion: 85 Resp: 277697

Ion Ratio Lower Upper

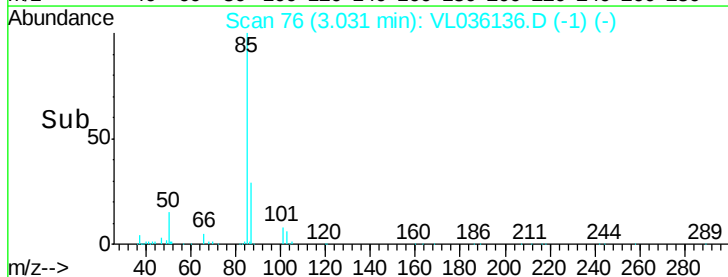
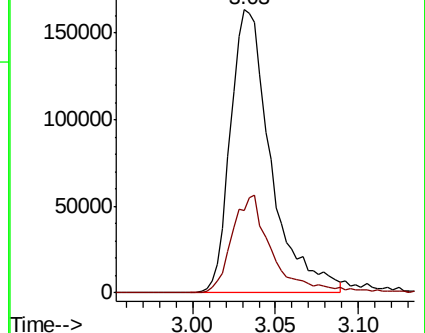
85 100

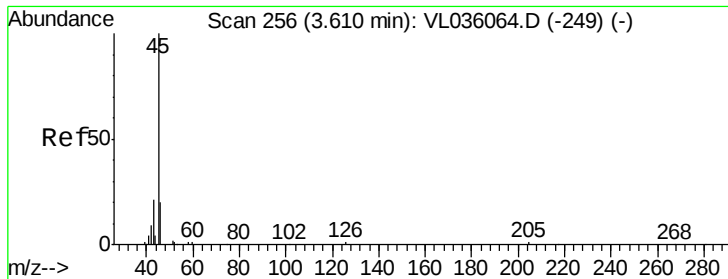
87 29.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





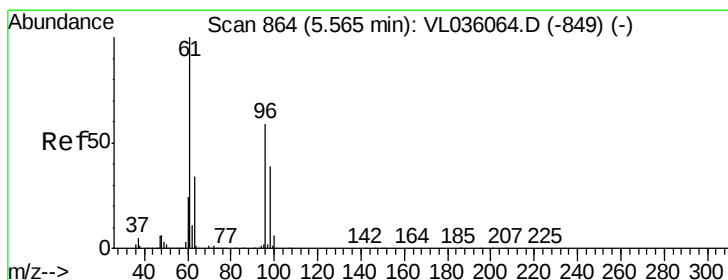
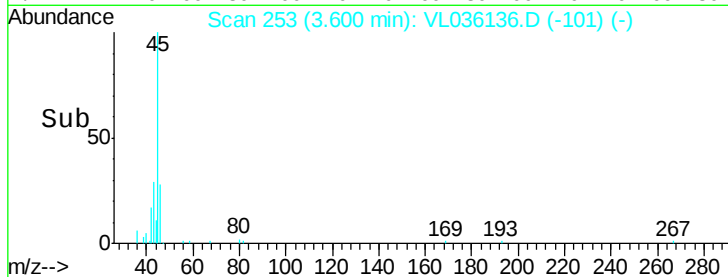
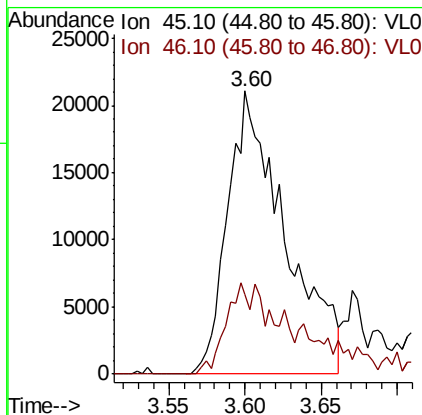
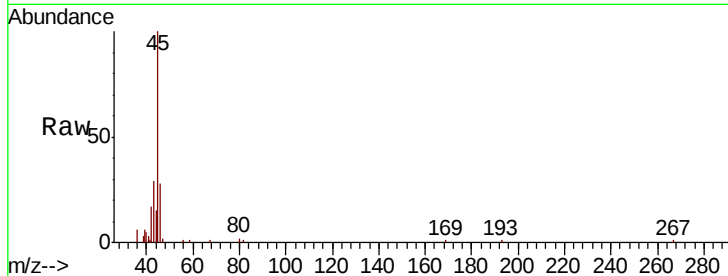
#13
Ethanol
Concen: 5.257 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036136.D
Acq: 10 Dec 2020 20:20

Instrument :
MSVOA_L
ClientSampleId :
SS-5BDL

Tot Ion: 45 Resp: 55275
Ion Ratio Lower Upper
45 100
46 39.6 19.0 75.8

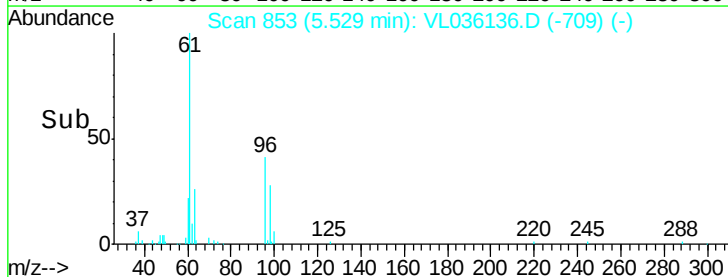
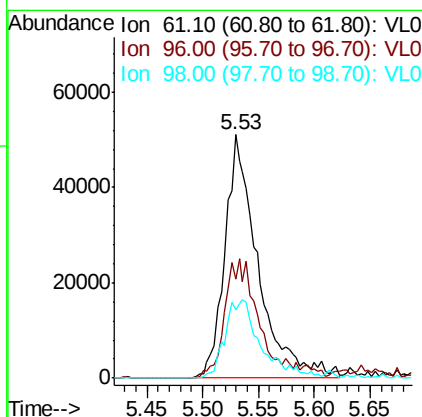
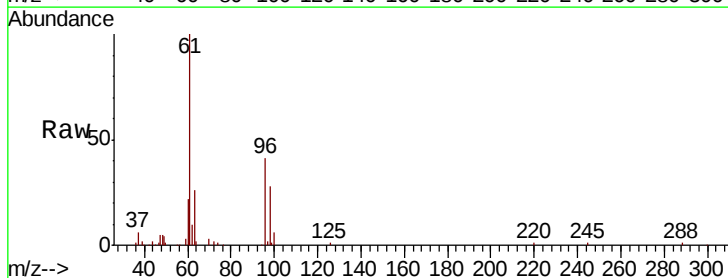
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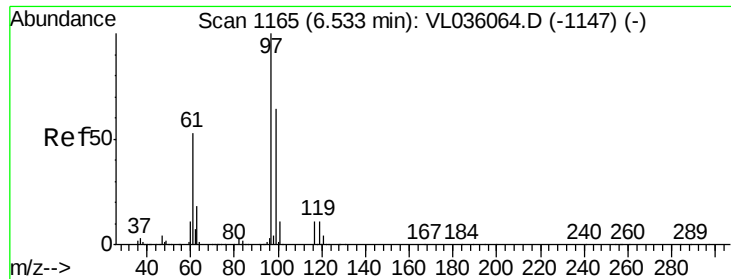
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#31
cis-1,2-Dichloroethene
Concen: 0.807 ppbv m
RT: 5.53 min Scan# 853
Delta R.T. -0.04 min
Lab File: VL036136.D
Acq: 10 Dec 2020 20:20

Tgt Ion: 61 Resp: 105792
Ion Ratio Lower Upper
61 100
96 40.9 47.3 70.9#
98 28.1 31.4 47.0#





#32

1,1,1-Trichloroethane

Concen: 0.118 ppbv m

RT: 6.49 min Scan# 1152

Delta R.T. -0.04 min

Lab File: VL036136.D

Acq: 10 Dec 2020 20:20

Instrument :

MSVOA_L

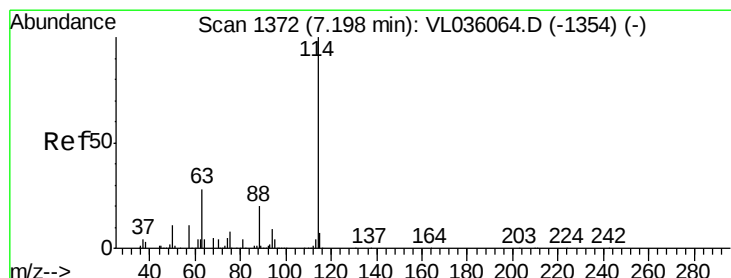
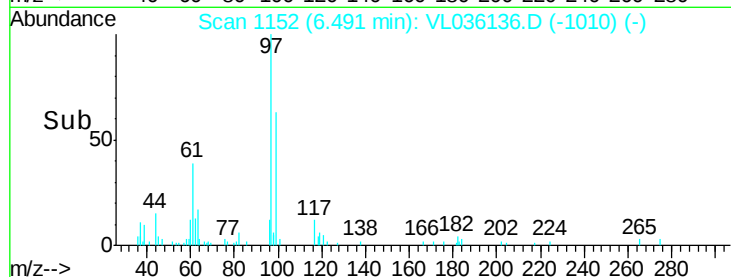
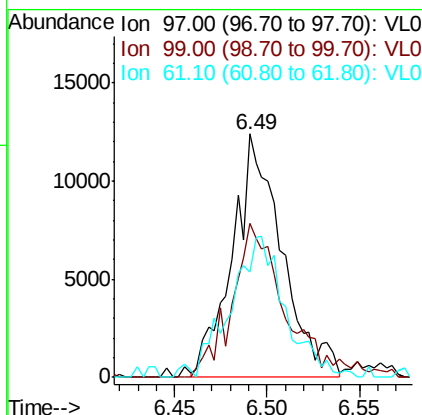
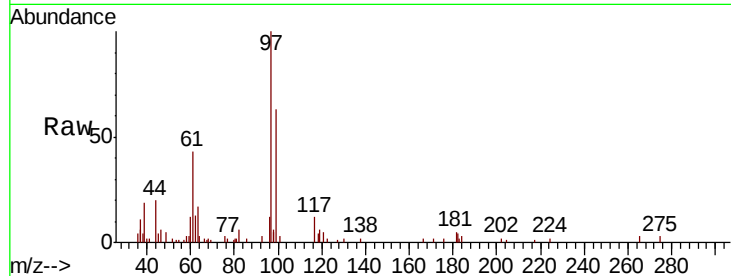
ClientSampleId :

SS-5BDL

Tot Ion:	97	Resp:	23119
Ion	Ratio	Lower	Upper
97	100		
99	68.9	52.4	78.6
61	64.5	43.4	65.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

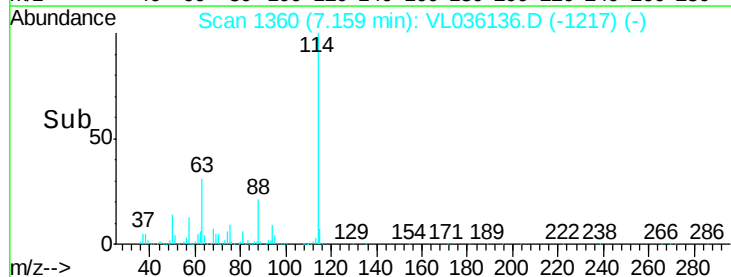
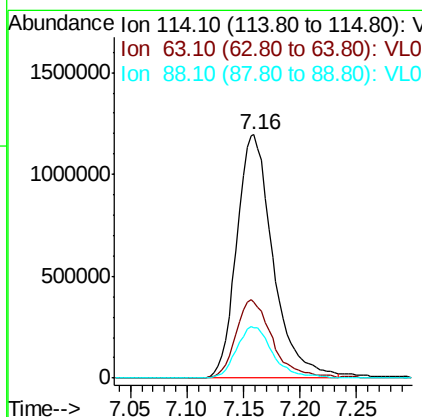
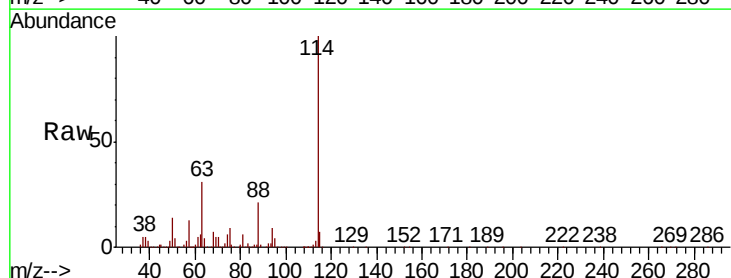
RT: 7.16 min Scan# 1360

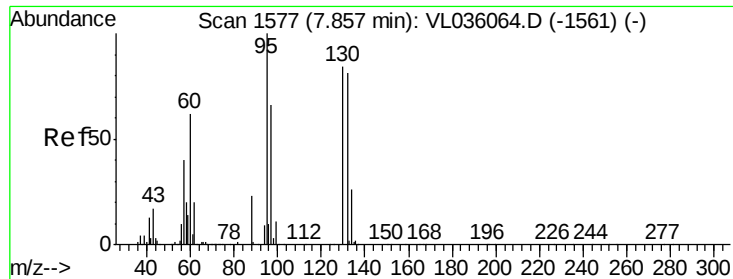
Delta R.T. -0.04 min

Lab File: VL036136.D

Acq: 10 Dec 2020 20:20

Tgt Ion:	114	Resp:	2678601
Ion	Ratio	Lower	Upper
114	100		
63	32.9	23.6	35.4
88	21.4	15.8	23.6





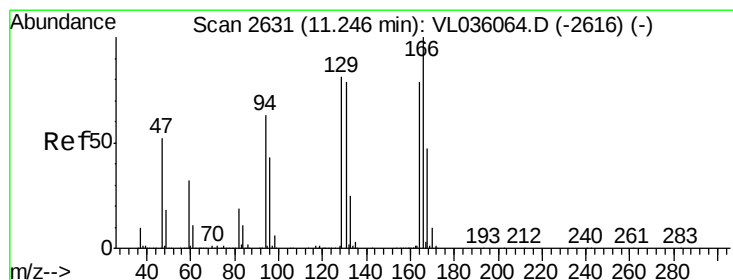
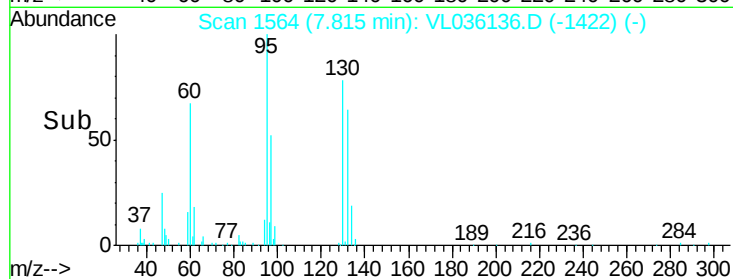
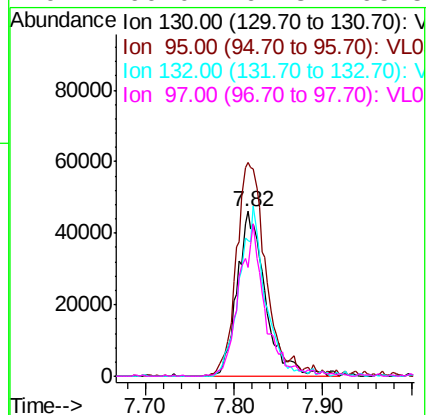
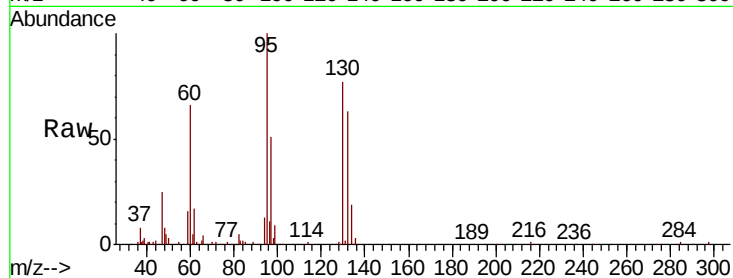
#38
 Trichloroethene
 Concen: 1.211 ppbv m
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.04 min
 Lab File: VL036136.D
 Acq: 10 Dec 2020 20:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5BDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		102798		
95	129.5	95.2	142.8		
132	82.2	76.9	115.3		
97	66.0	62.3	93.5		

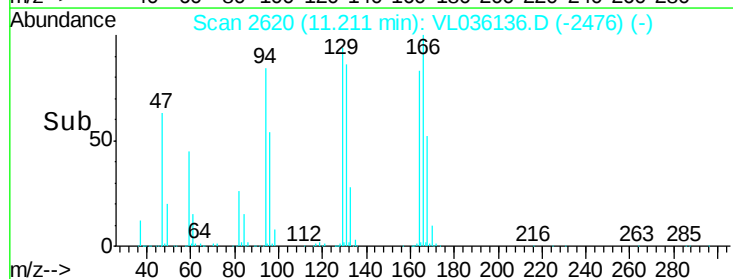
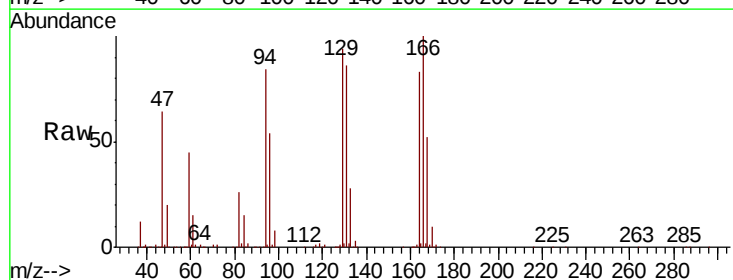
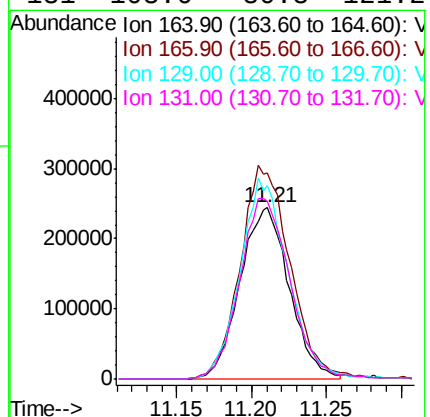
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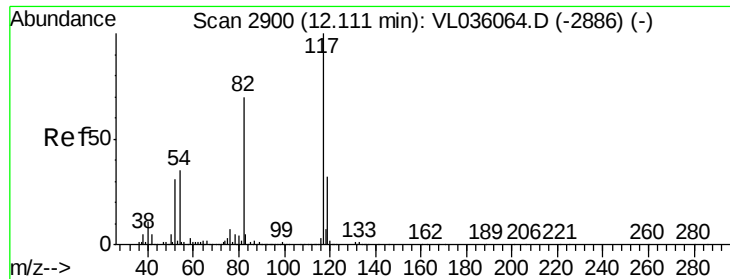
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#52
 Tetrachloroethene
 Concen: 6.772 ppbv
 RT: 11.21 min Scan# 2620
 Delta R.T. -0.04 min
 Lab File: VL036136.D
 Acq: 10 Dec 2020 20:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		556462		
166	120.1	101.9	152.9		
129	111.9	82.1	123.1		
131	103.6	80.8	121.2		





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.04 min

Lab File: VL036136.D

Acq: 10 Dec 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

SS-5BDL

Tot Ion:117 Resp: 2426847

Ion Ratio Lower Upper

117 100

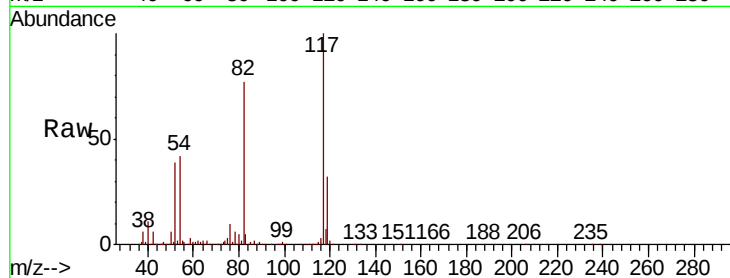
82 79.0 0.0 0.0#

119 32.9 0.0 0.0#

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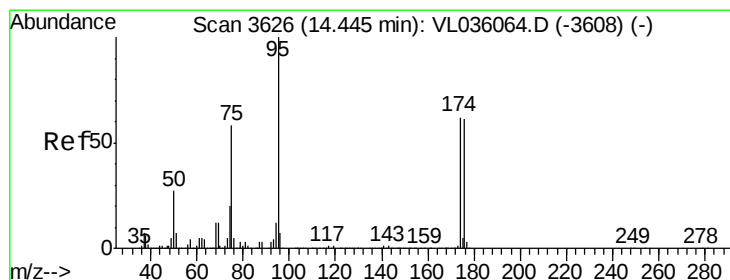
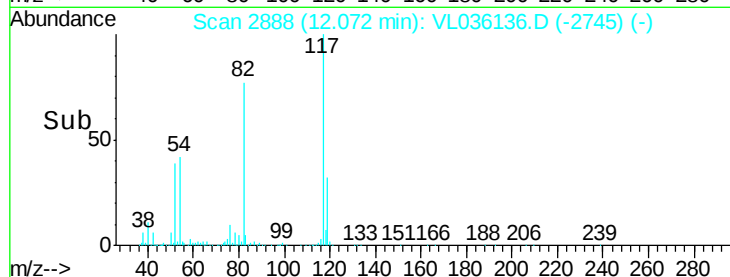
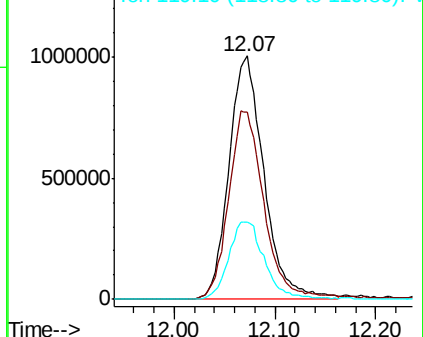
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.596 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.05 min

Lab File: VL036136.D

Acq: 10 Dec 2020 20:20

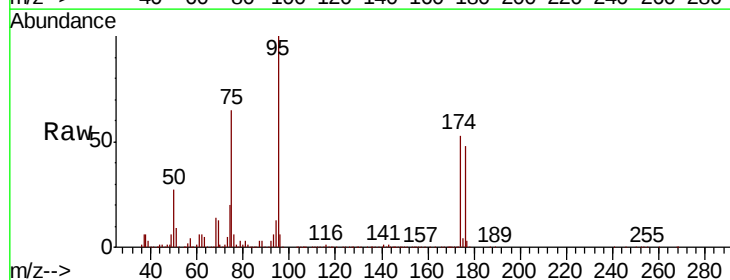
Tgt Ion: 95 Resp: 2041784

Ion Ratio Lower Upper

95 100

174 57.4 50.7 76.1

175 3.8 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

