

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037614.D
 Acq On : 16 Sep 2021 11:32
 Operator : SY/AP
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

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Quant Time: Sep 16 12:22:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 12:22:09 2021
 QLast Update : Thu Sep 16 10:46:26 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1580561	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4782927	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4103966	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2850005	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	10616	0.096	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	26725m	0.096	ppbv	
35) Carbon Tetrachloride	7.00	117	26260m	0.093	ppbv	
38) Trichloroethene	7.81	130	15644m	0.095	ppbv	
52) Tetrachloroethene	11.20	164	14470m	0.088	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.65	83	33502m	0.098	ppbv	

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

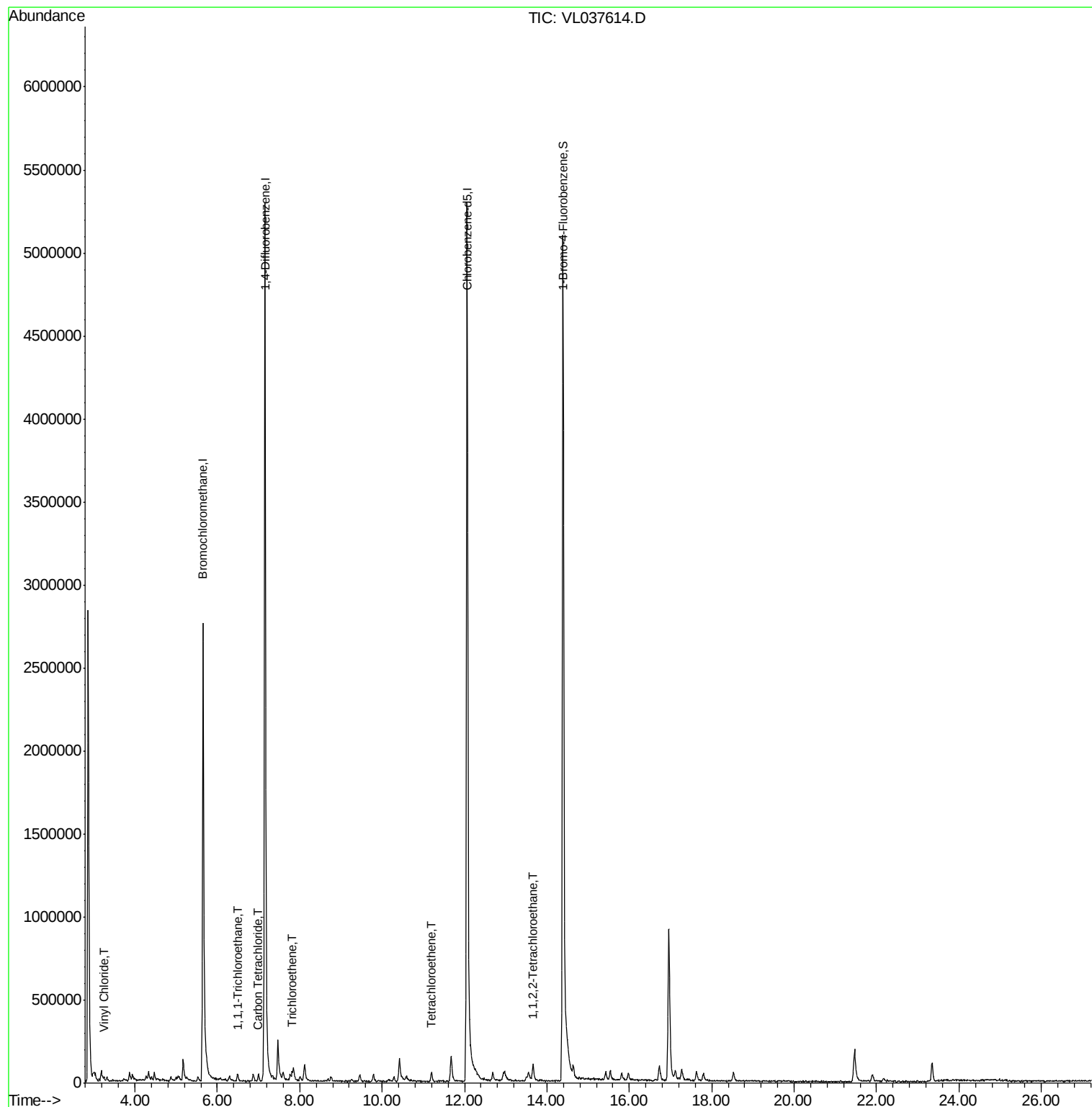
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
Data File : VL037614.D
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Operator : SY/AP
Sample : VSTDIC0.1
Misc : 400mL/MSVOA L
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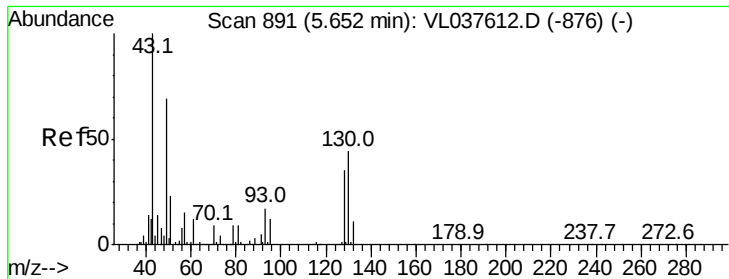
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

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Quant Time: Sep 16 12:22:09 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 16 10:46:26 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037614.D

Acq: 16 Sep 2021 11:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCO.1

Tot Ion: 49 Resp: 1580561

Ion Ratio Lower Upper

49 100

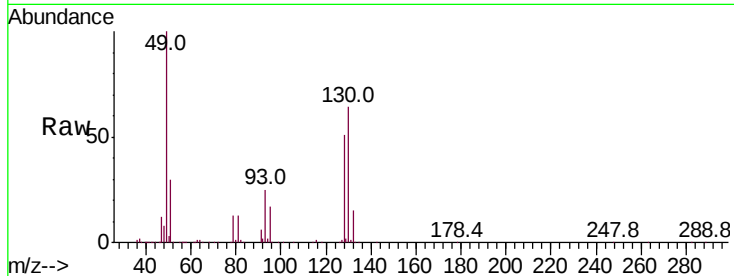
128 55.7 27.9 83.6

130 70.4 33.9 101.7

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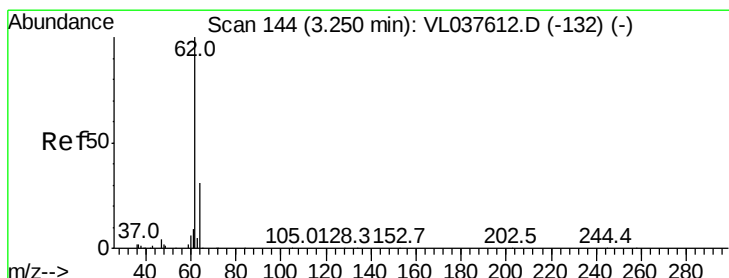
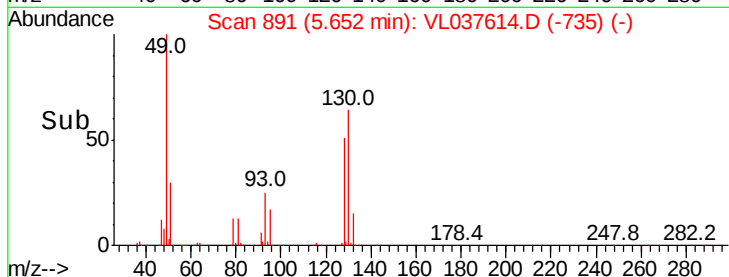
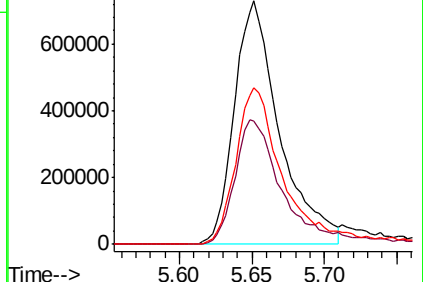
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.096 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037614.D

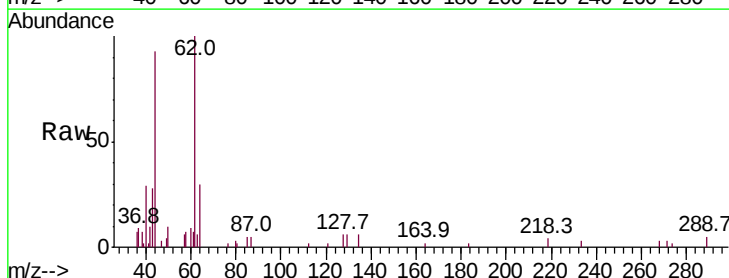
Acq: 16 Sep 2021 11:32

Tgt Ion: 62 Resp: 10616

Ion Ratio Lower Upper

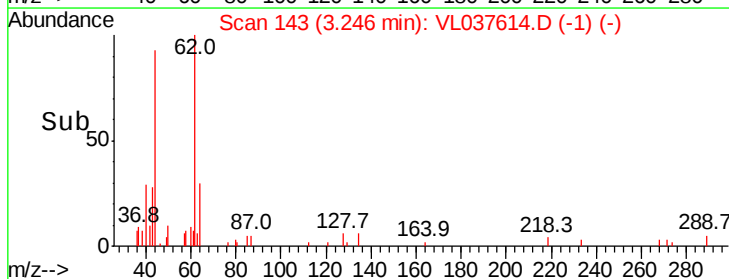
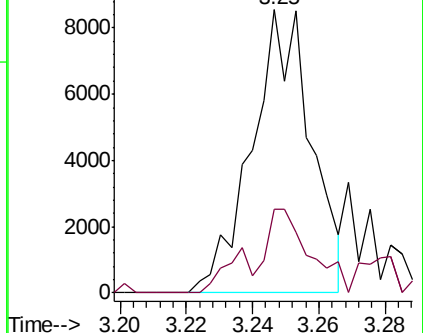
62 100

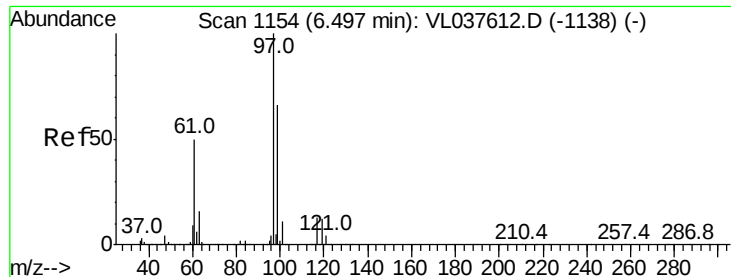
64 29.7 24.9 37.3



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: 0.096 ppbv m

RT: 6.50 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VL037614.D

Acq: 16 Sep 2021 11:32

Instrument :

MSVOA_L

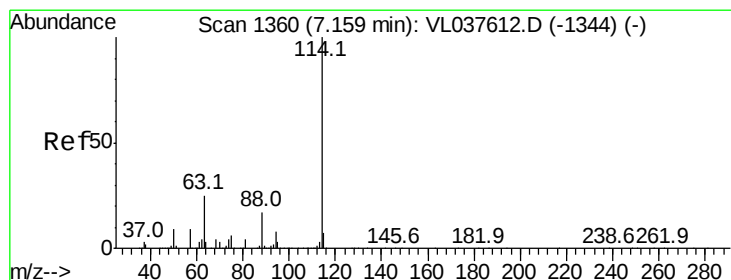
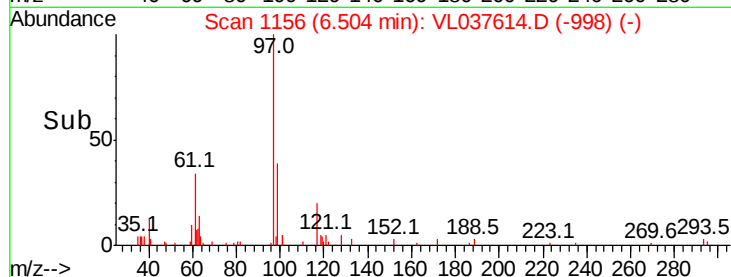
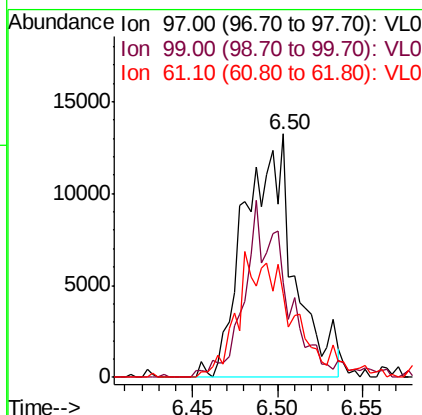
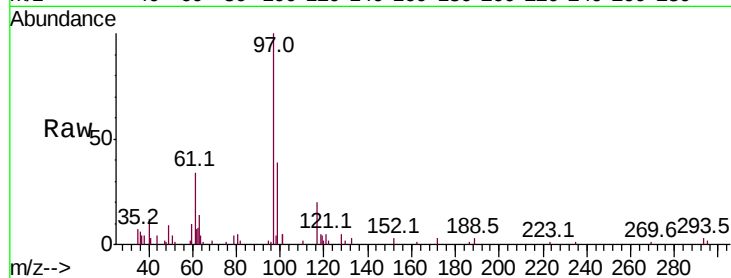
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	26725
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.3	78.5#
61	0.0	39.5	59.3#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

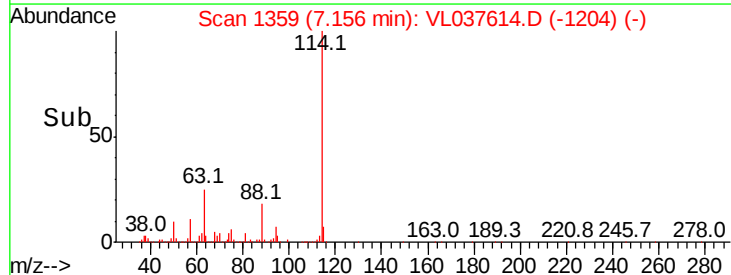
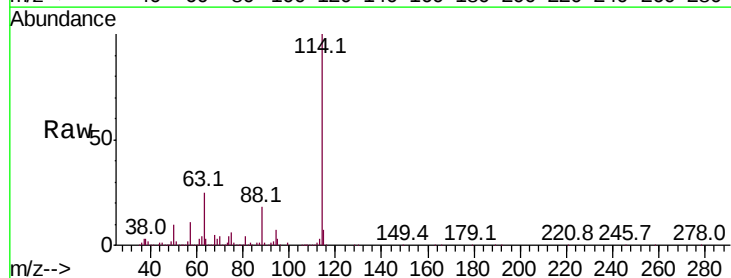
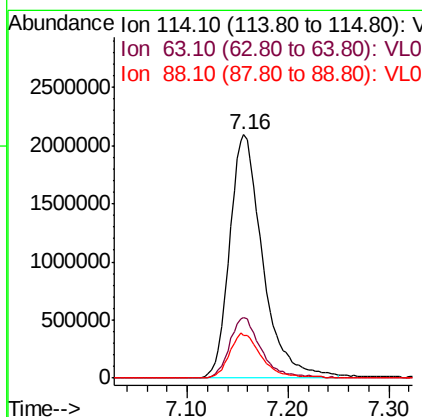
RT: 7.16 min Scan# 1359

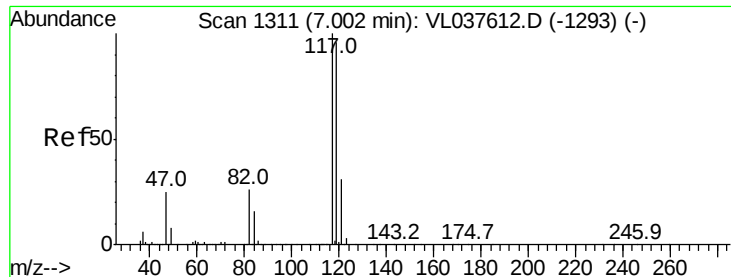
Delta R.T. -0.00 min

Lab File: VL037614.D

Acq: 16 Sep 2021 11:32

Tgt Ion:	114	Resp:	4782927
Ion Ratio	Lower	Upper	
114	100		
63	24.1	19.6	29.4
88	18.1	14.2	21.4





#35

Carbon Tetrachloride

Concen: 0.093 ppbv m

RT: 7.00 min Scan# 1309

Delta R.T. -0.01 min

Lab File: VL037614.D

Acq: 16 Sep 2021 11:32

Instrument :

MSVOA_L

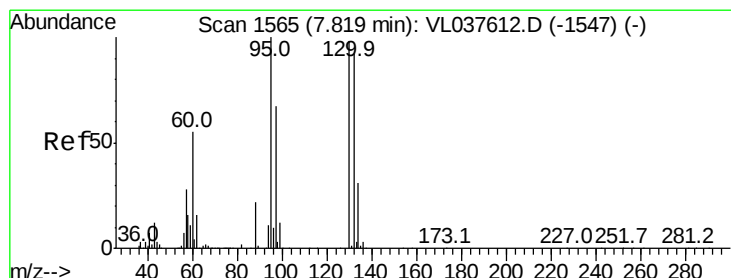
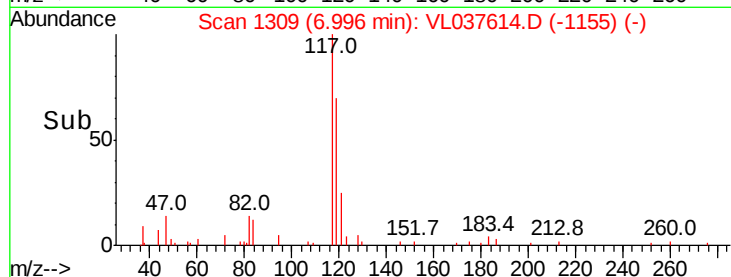
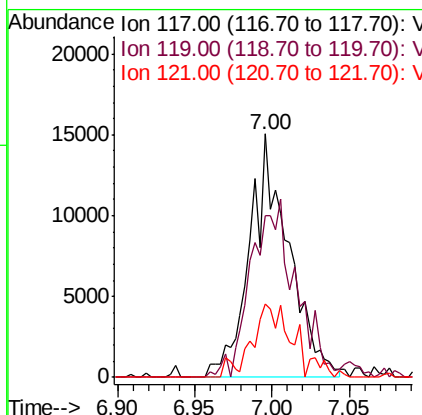
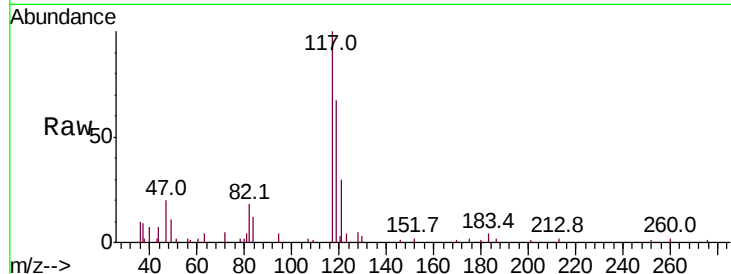
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	26260
Ion Ratio	Lower	Upper	
117	100		
119	66.7	77.0	115.6#
121	30.0	24.5	36.7

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#38

Trichloroethene

Concen: 0.095 ppbv m

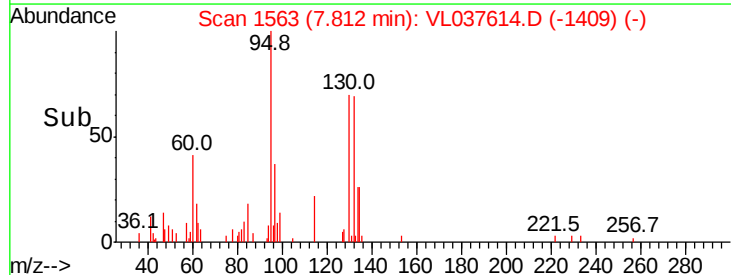
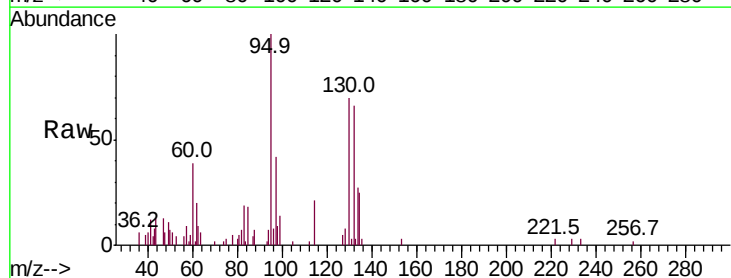
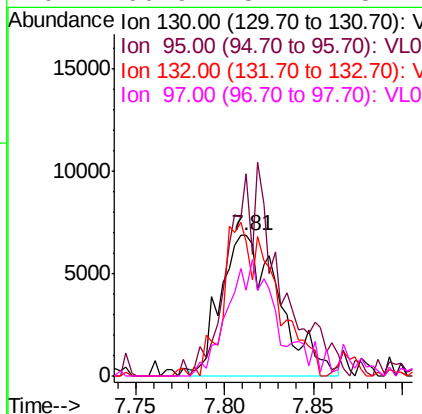
RT: 7.81 min Scan# 1563

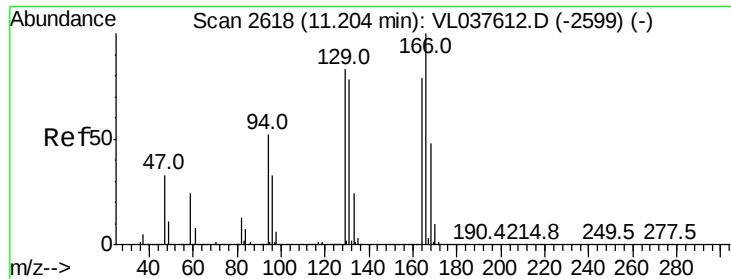
Delta R.T. -0.01 min

Lab File: VL037614.D

Acq: 16 Sep 2021 11:32

Tgt Ion:	130	Resp:	15644
Ion Ratio	Lower	Upper	
130	100		
95	143.8	81.8	122.6#
132	95.5	75.3	112.9
97	60.9	54.7	82.1





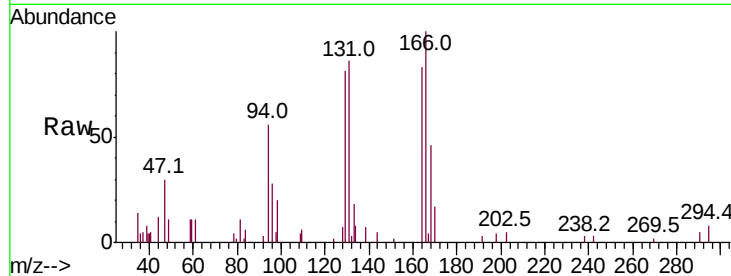
#52
Tetrachloroethene
Concen: 0.088 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037614.D
Acq: 16 Sep 2021 11:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

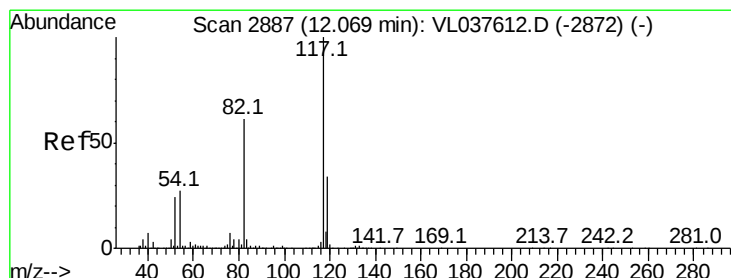
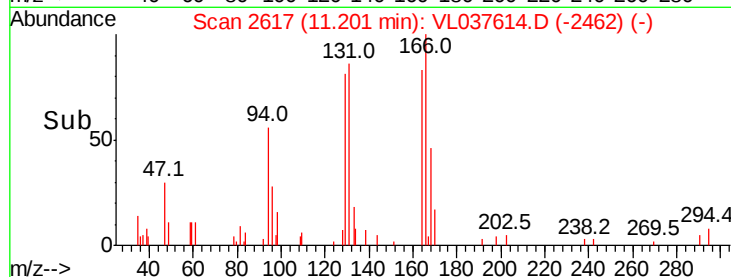
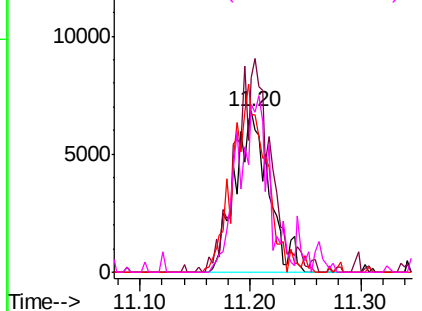
Tot Ion	Ratio	Lower	Upper
164	100		
166	121.2	101.2	151.8
129	98.3	84.0	126.0
131	104.6	78.8	118.2

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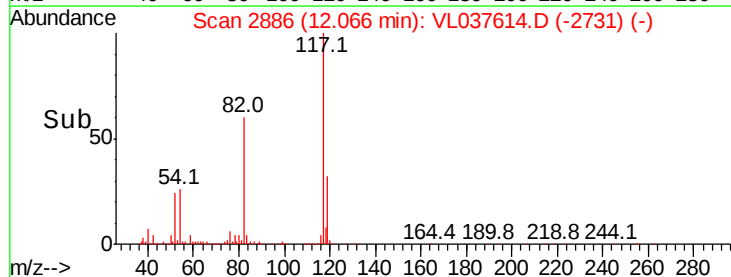
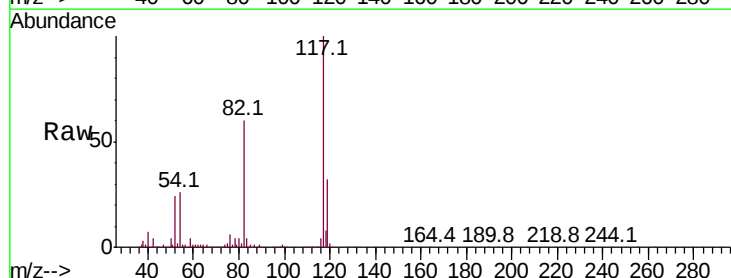
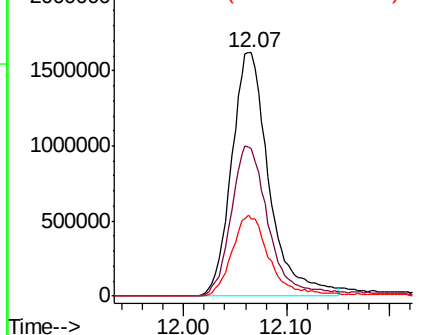
Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

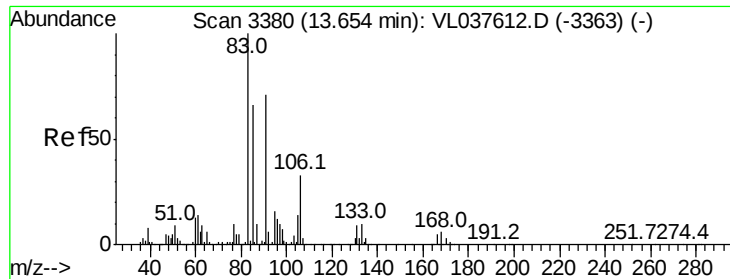


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037614.D
Acq: 16 Sep 2021 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.7	50.6	75.8
119	34.4	26.2	39.2

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





#63

1,1,2,2-Tetrachloroethane

Concen: 0.098 ppbv m

RT: 13.65 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VL037614.D

Acq: 16 Sep 2021 11:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 83 Resp: 33502

Ion Ratio Lower Upper

83 100

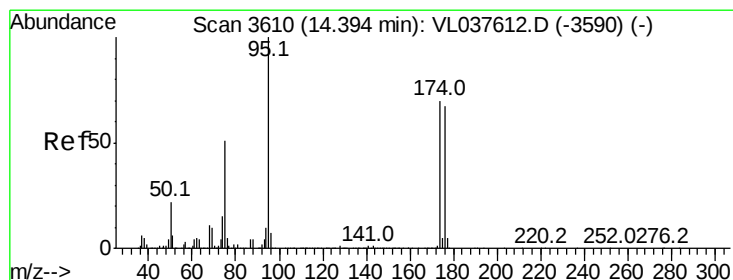
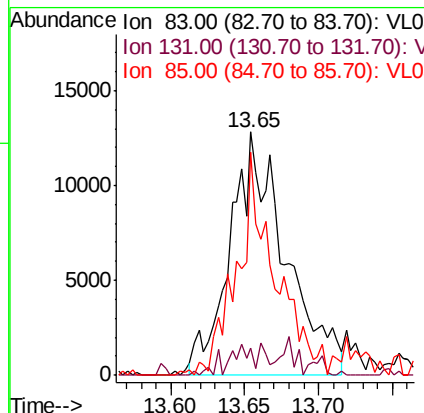
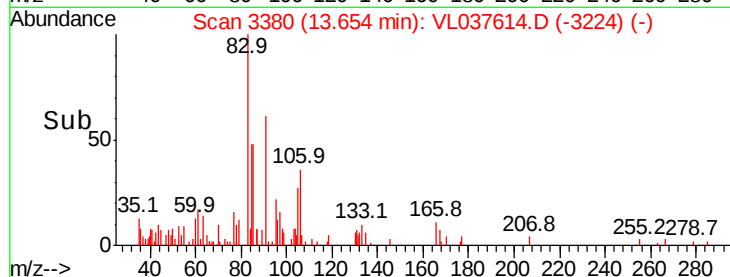
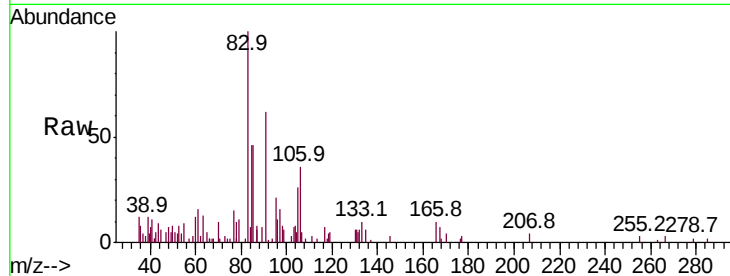
131 4.4 5.1 15.3#

85 0.0 33.3 99.9#

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.775 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037614.D

Acq: 16 Sep 2021 11:32

Tgt Ion: 95 Resp: 2850005

Ion Ratio Lower Upper

95 100

174 77.6 56.3 84.5

175 5.6 4.4 6.6

