

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037343.D
 Acq On : 6 Aug 2021 13:11
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
 APPROVED

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 8/10/2021 6:09:23 PM

Quant Time: Aug 06 16:43:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 06 2021
 QLast Update : Fri Aug 06 15:47:06 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	897111	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3020200	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2643176	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1843012	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	3192m	0.046	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	7381	0.042	ppbv	# 43
35) Carbon Tetrachloride	7.01	117	7439m	0.040	ppbv	
38) Trichloroethene	7.82	130	5369m	0.045	ppbv	
52) Tetrachloroethene	11.21	164	5111m	0.043	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	9979m	0.045	ppbv	

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

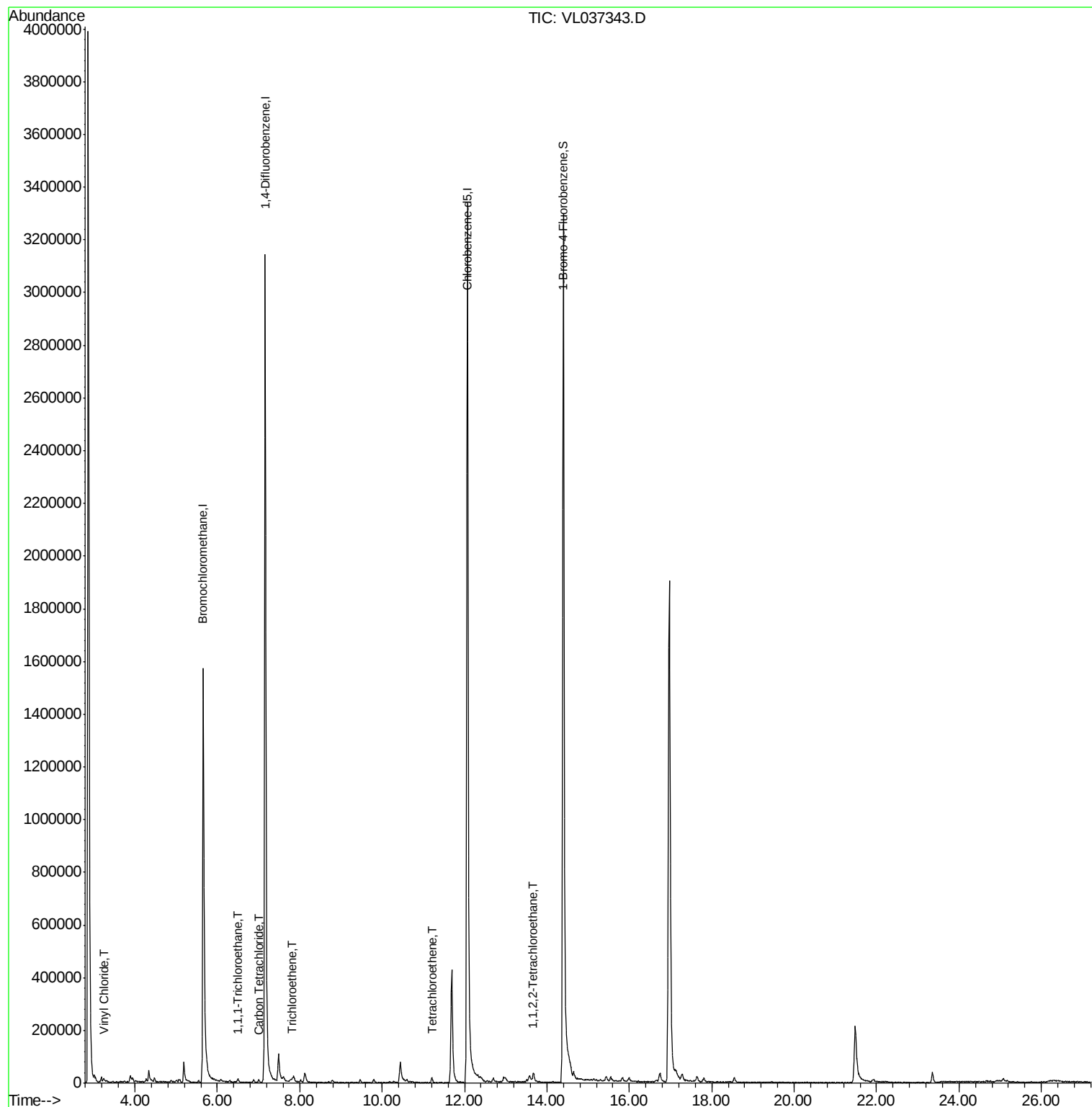
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080621\
Data File : VL037343.D
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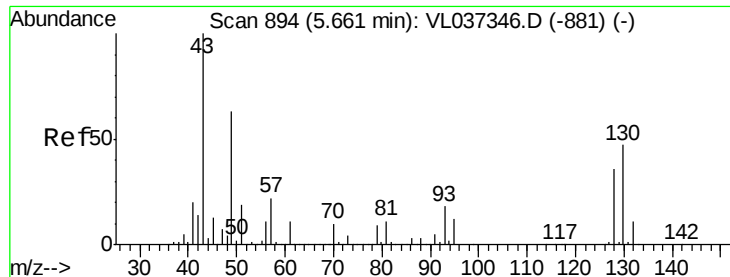
Instrument :
MSVOA_L
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Quant Time: Aug 06 16:43:39 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 06 15:47:06 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL037343.D

Acq: 6 Aug 2021 13:11

Instrument :

MSVOA_L

ClientSampleId :

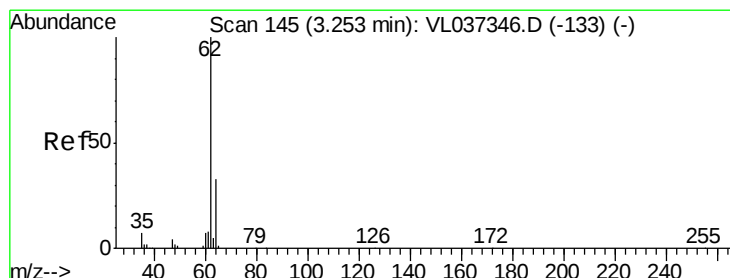
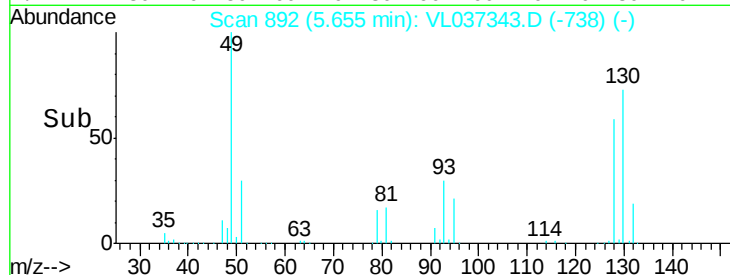
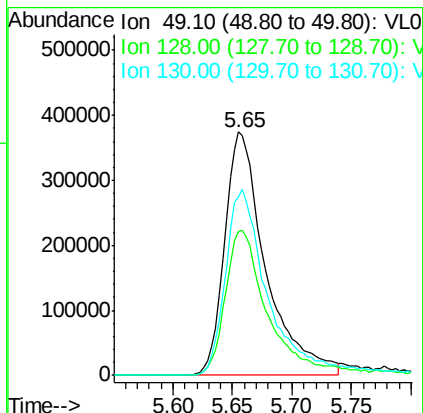
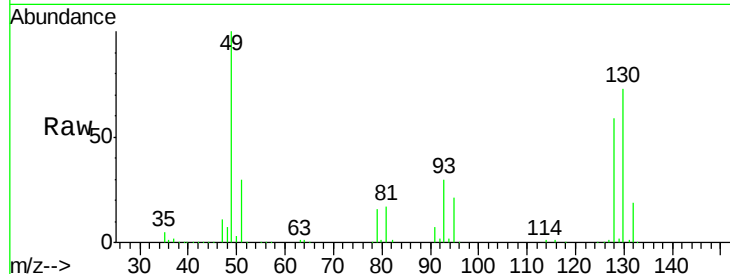
VSTDIC0.03

Tot Ion: 49 Resp: 897111

Ion	Ratio	Lower	Upper
49	100		
128	64.0	32.1	96.3
130	82.4	40.0	120.0

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#5

Vinyl Chloride

Concen: 0.046 ppbv m

RT: 3.25 min Scan# 143

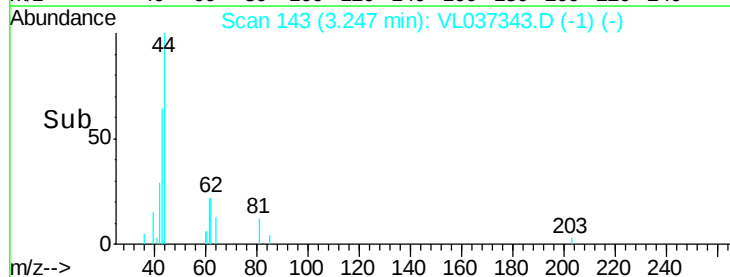
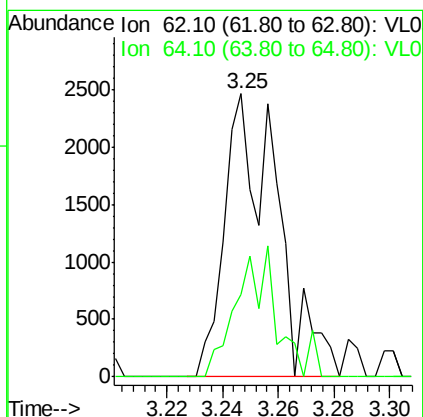
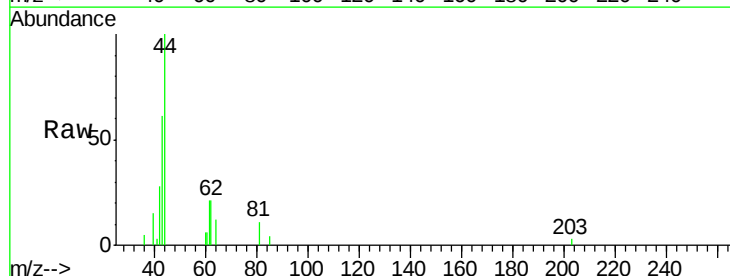
Delta R.T. -0.01 min

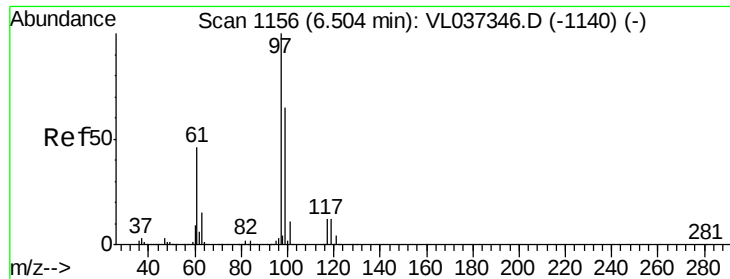
Lab File: VL037343.D

Acq: 6 Aug 2021 13:11

Tgt Ion: 62 Resp: 3192

Ion	Ratio	Lower	Upper
62	100		
64	57.7	26.4	39.6





#32

1,1,1-Trichloroethane

Concen: 0.042 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VL037343.D

Acq: 6 Aug 2021 13:11

Instrument :

MSVOA_L

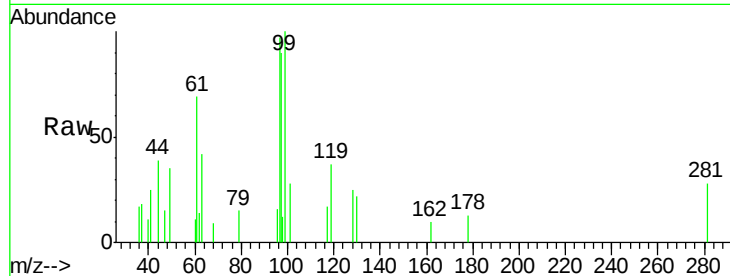
ClientSampleId :

VSTDIC0.03

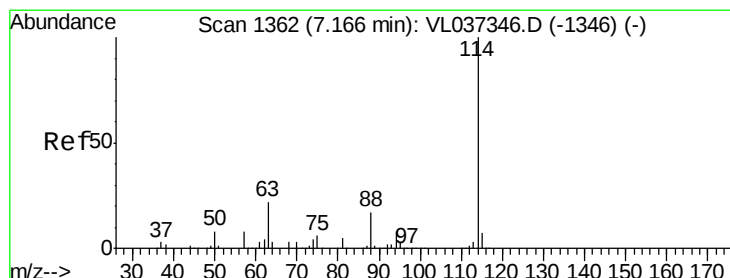
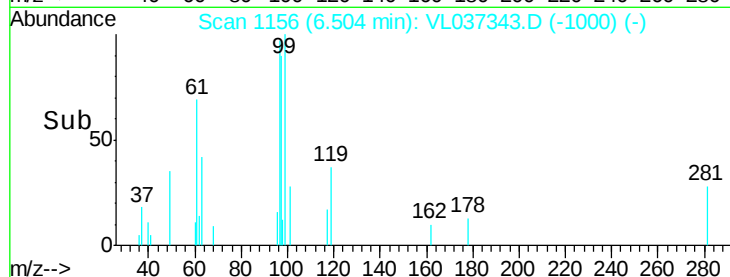
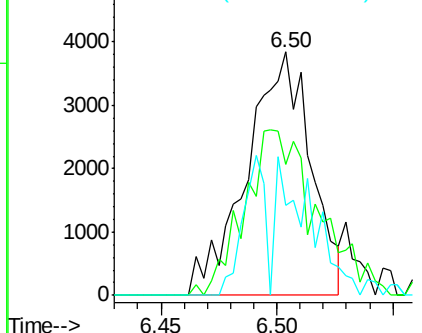
Tot Ion:	97	Resp:	7381
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.8	77.6#
61	31.6	37.0	55.4#

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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

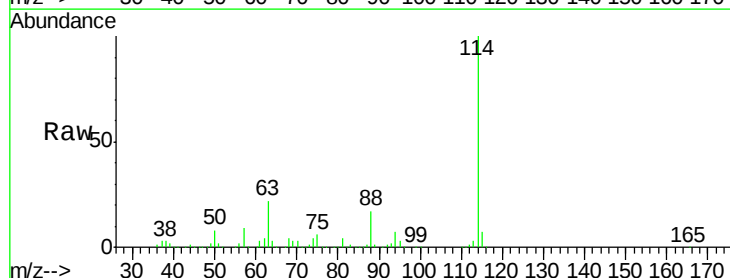
RT: 7.16 min Scan# 1361

Delta R.T. -0.00 min

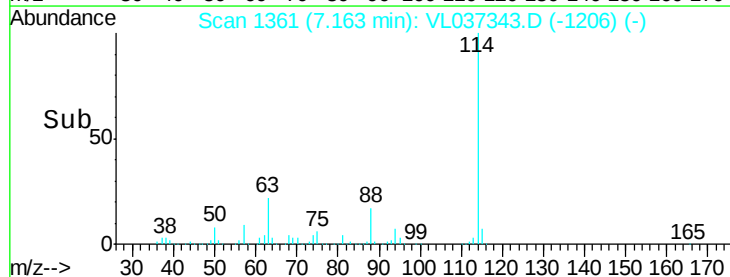
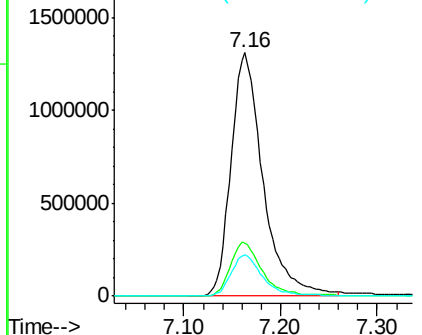
Lab File: VL037343.D

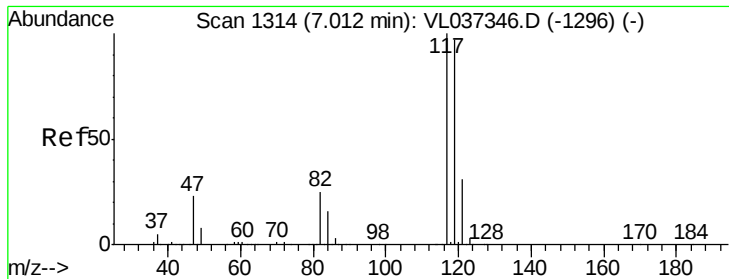
Acq: 6 Aug 2021 13:11

Tgt Ion:	114	Resp:	3020200
Ion	Ratio	Lower	Upper
114	100		
63	22.5	17.9	26.9
88	17.2	13.4	20.2



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.040 ppbv m

RT: 7.01 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VL037343.D

Acq: 6 Aug 2021 13:11

Instrument :

MSVOA_L

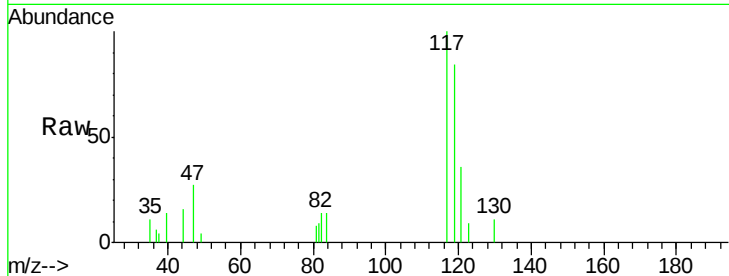
ClientSampleId :

VSTDIC0.03

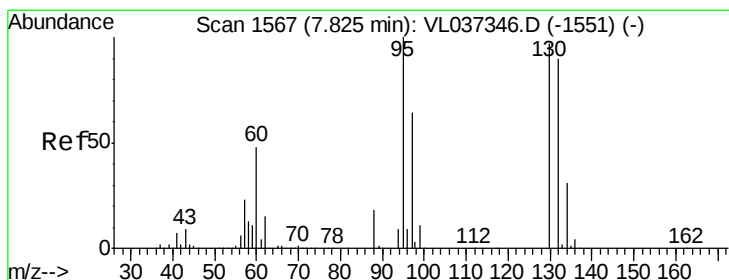
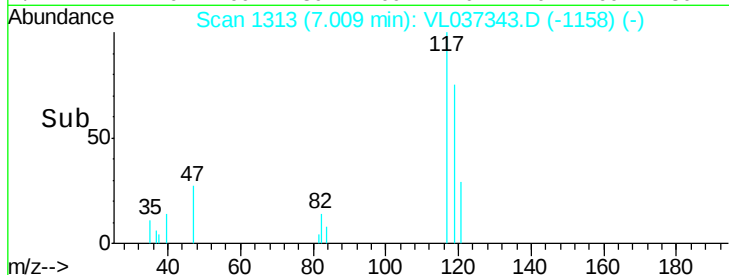
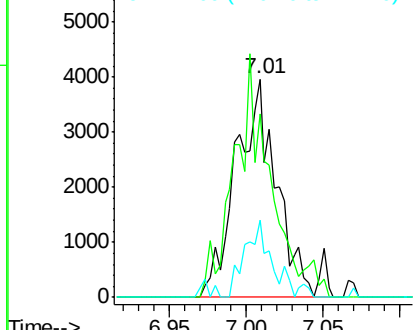
Tot Ion:	117	Resp:	7439
Ion	Ratio	Lower	Upper
117	100		
119	84.1	77.8	116.8
121	35.5	24.6	36.8

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.045 ppbv m

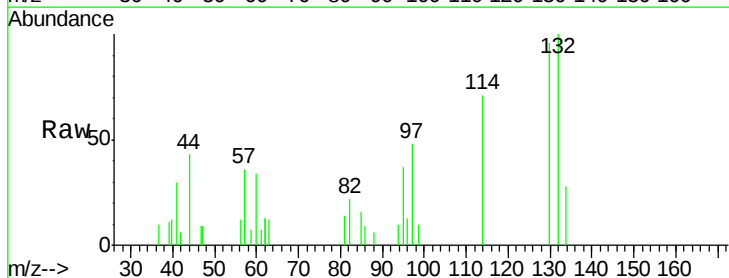
RT: 7.82 min Scan# 1564

Delta R.T. -0.01 min

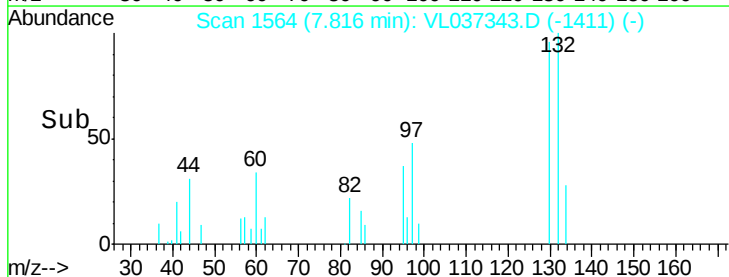
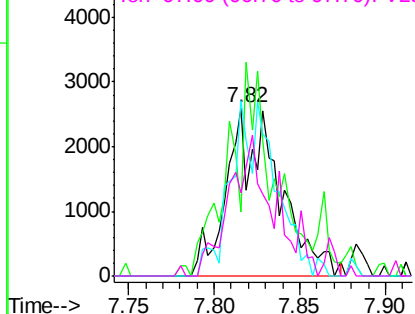
Lab File: VL037343.D

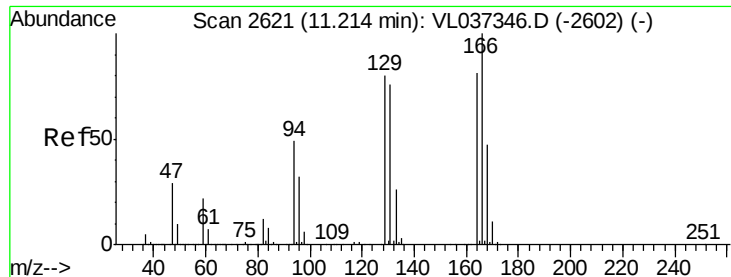
Acq: 6 Aug 2021 13:11

Tgt Ion:	130	Resp:	5369
Ion	Ratio	Lower	Upper
130	100		
95	38.1	82.8	124.2#
132	104.0	74.9	112.3
97	49.5	52.8	79.2#



Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 0.043 ppbv m

RT: 11.21 min Scan# 2620

Delta R.T. -0.00 min

Lab File: VL037343.D

Acq: 6 Aug 2021 13:11

Instrument :

MSVOA_L

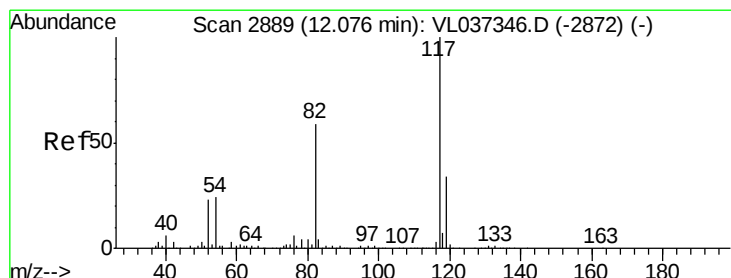
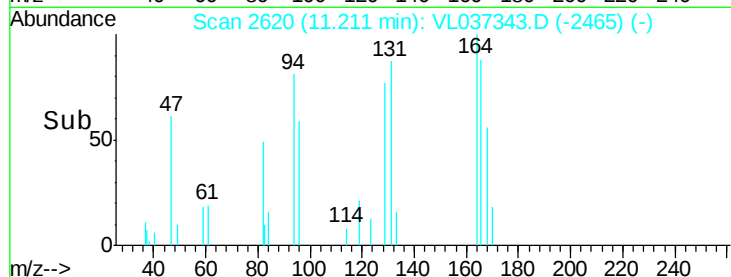
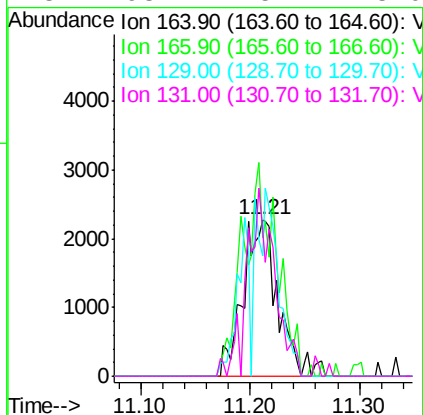
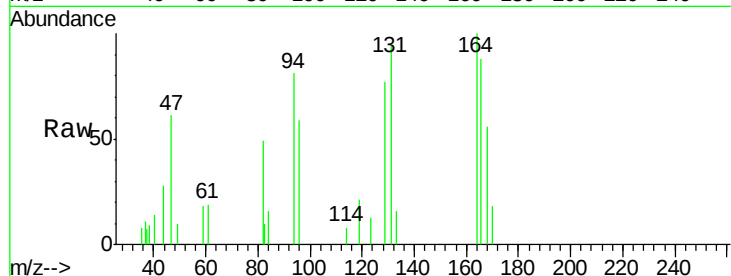
ClientSampleId :

VSTDIC0.03

Tot Ion:	164	Resp:	5111
Ion	Ratio	Lower	Upper
164	100		
166	88.3	99.4	149.0#
129	76.9	79.2	118.8#
131	93.7	75.4	113.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

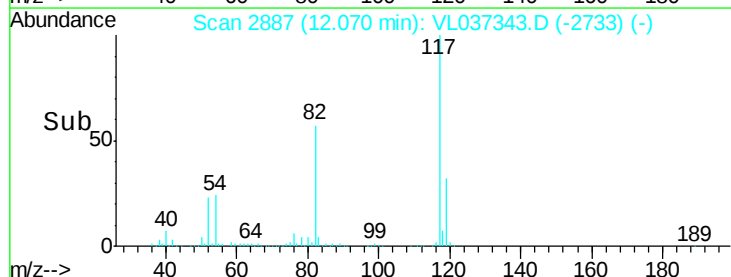
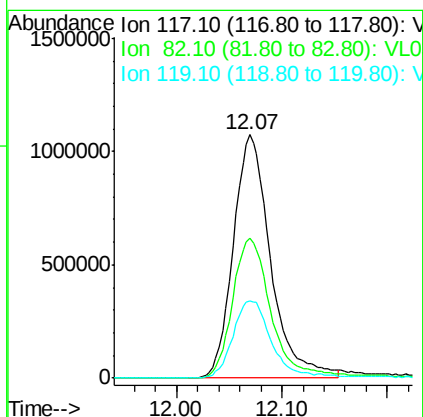
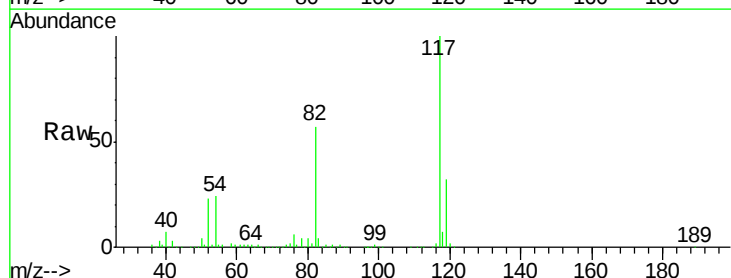
RT: 12.07 min Scan# 2887

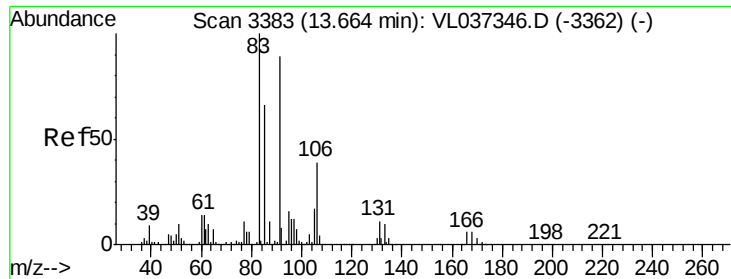
Delta R.T. -0.01 min

Lab File: VL037343.D

Acq: 6 Aug 2021 13:11

Tgt Ion:	117	Resp:	2643176
Ion	Ratio	Lower	Upper
117	100		
82	61.1	50.5	75.7
119	34.0	50.7	76.1#





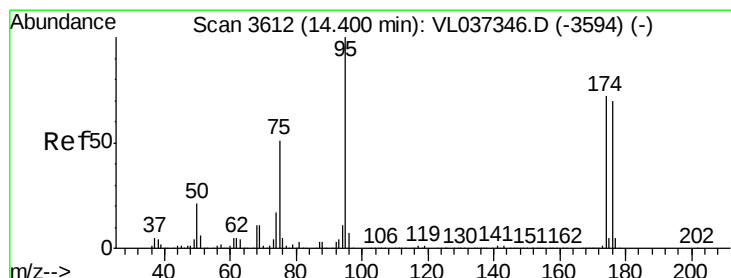
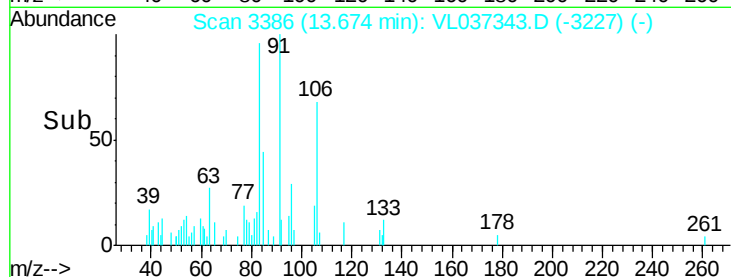
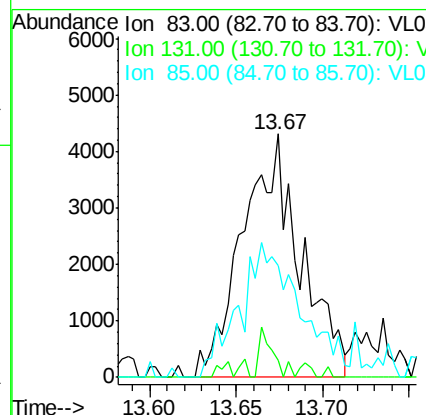
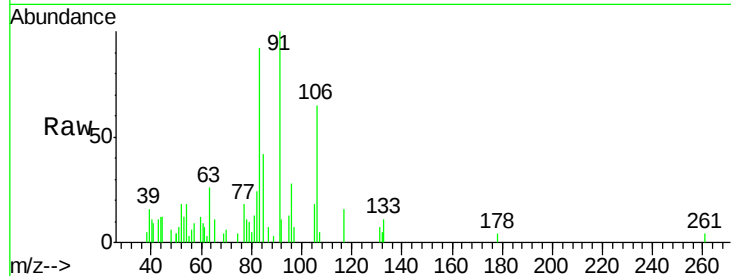
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.045 ppbv m
 RT: 13.67 min Scan# 3386
 Delta R.T. 0.01 min
 Lab File: VL037343.D
 Acq: 6 Aug 2021 13:11

Instrument :
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Tot Ion	83	131	85
Resp	9979	8.6	64.4
Lower		5.3	33.1
Upper		16.1	99.2

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.974 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. 0.00 min
 Lab File: VL037343.D
 Acq: 6 Aug 2021 13:11

Tgt Ion	95	174	175
Resp	1843012	79.7	5.8
Lower		60.8	4.3
Upper		91.2	6.5

