

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035385.D
 Acq On : 12 Aug 2020 14:38
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

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 8/17/2020 5:43:52 PM

Quant Time: Aug 12 15:40:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 12 15:40:48 2020
 QLast Update : Wed Aug 12 15:19:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1446239	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3384400	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3184551	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2642600	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	9923	0.103	ppbv	94
32) 1,1,1-Trichloroethane	6.52	97	27231	0.111	ppbv	98
35) Carbon Tetrachloride	7.02	117	26794	0.115	ppbv	96
38) Trichloroethene	7.84	130	14108m	0.134	ppbv	
52) Tetrachloroethene	11.24	164	13638m	0.151	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	32717	0.125	ppbv	93

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

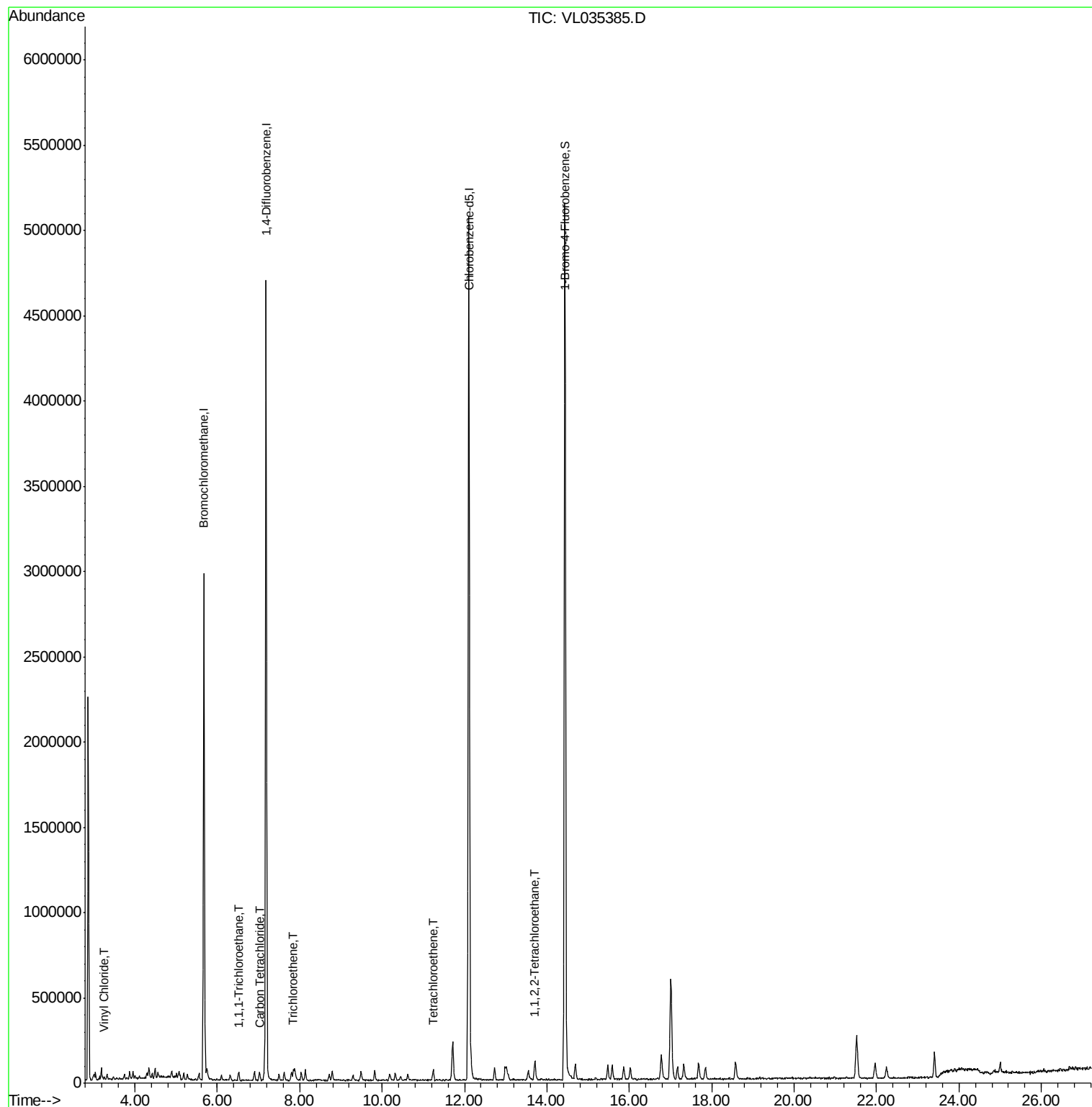
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081220\
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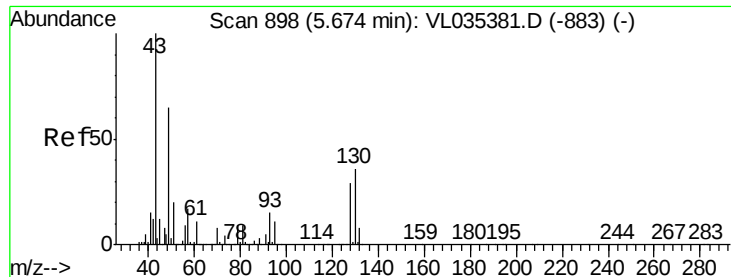
Instrument :
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QLast Update : Wed Aug 12 15:19:58 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035385.D

Acq: 12 Aug 2020 14:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1446239

Ion Ratio Lower Upper

49 100

128 44.0 21.8 65.3

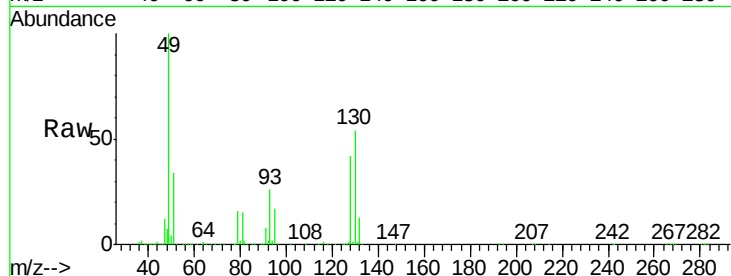
130 56.1 27.9 83.6

Manual Integrations

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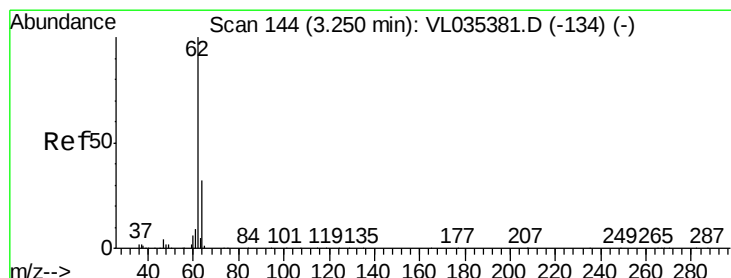
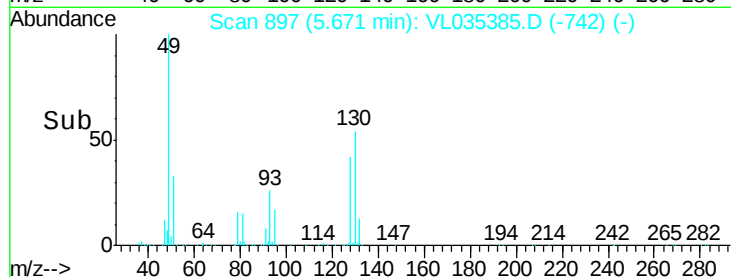
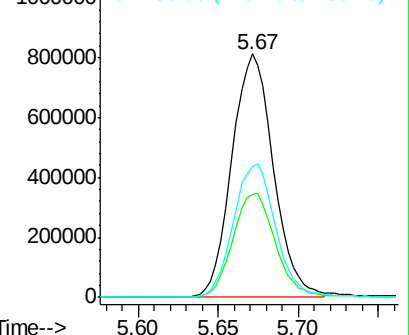
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.103 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035385.D

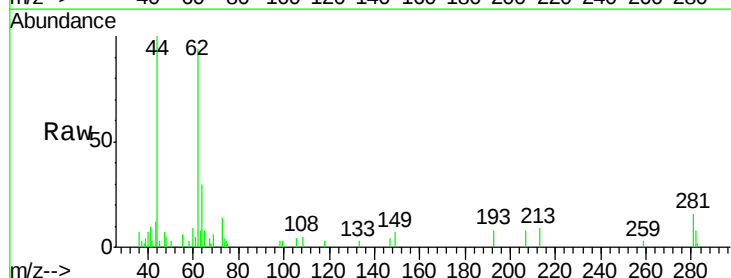
Acq: 12 Aug 2020 14:38

Tgt Ion: 62 Resp: 9923

Ion Ratio Lower Upper

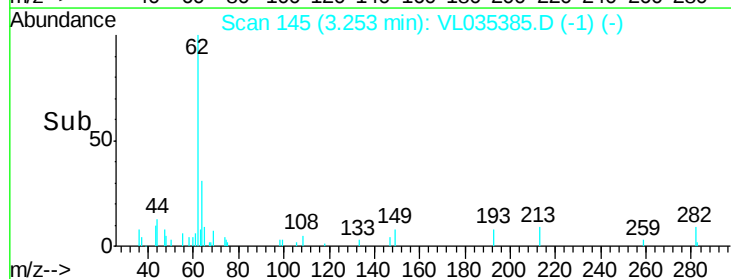
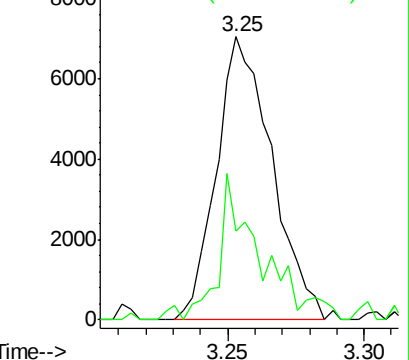
62 100

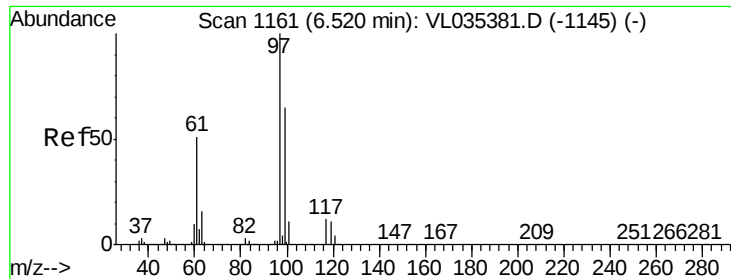
64 35.3 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





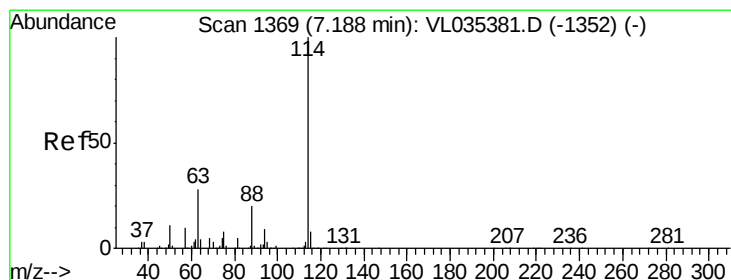
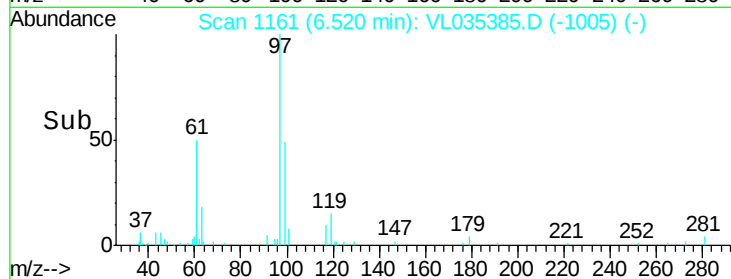
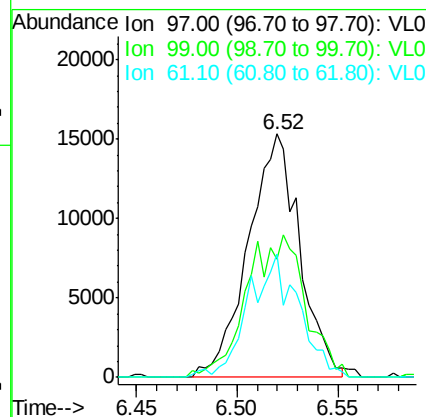
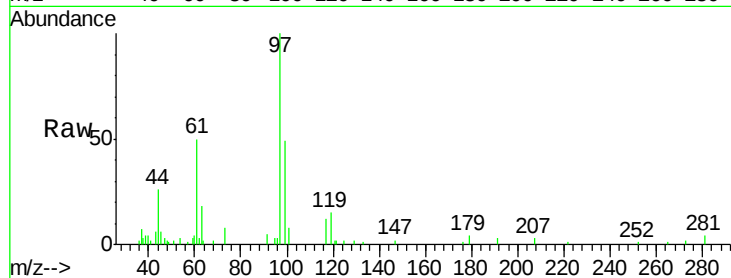
#32
 1,1,1-Trichloroethane
 Concen: 0.111 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL035385.D
 Acq: 12 Aug 2020 14:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.8	77.8
61	49.3	39.6	59.4

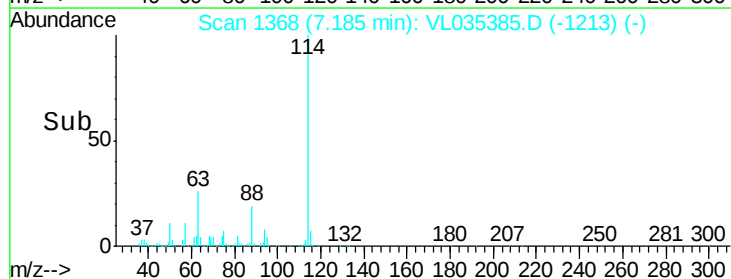
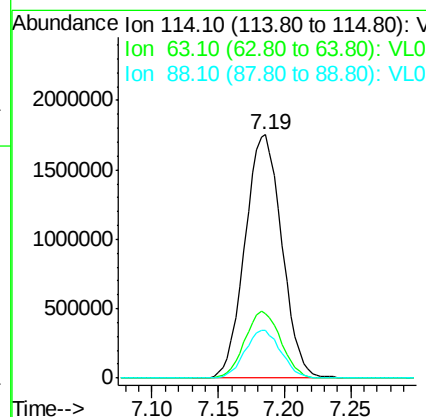
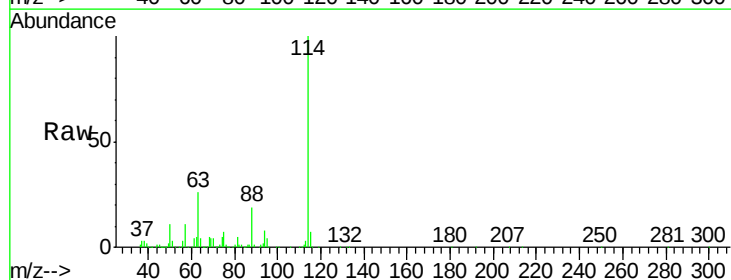
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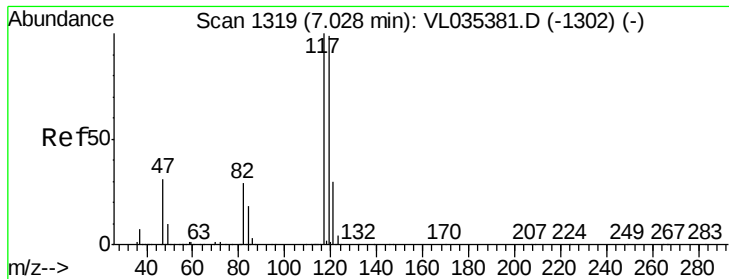
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL035385.D
 Acq: 12 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.5	32.3
88	19.4	15.6	23.4





#35

Carbon Tetrachloride

Concen: 0.115 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL035385.D

Acq: 12 Aug 2020 14:38

Instrument :

MSVOA_L

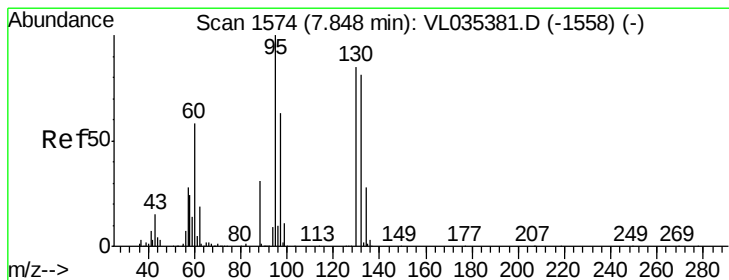
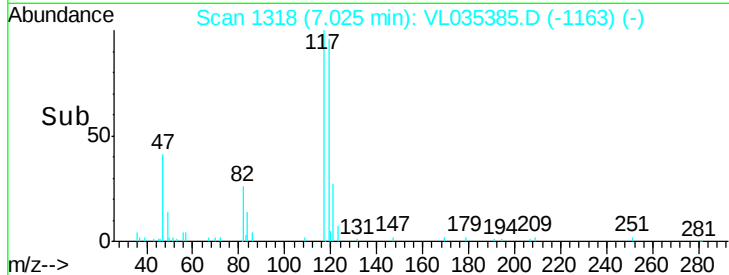
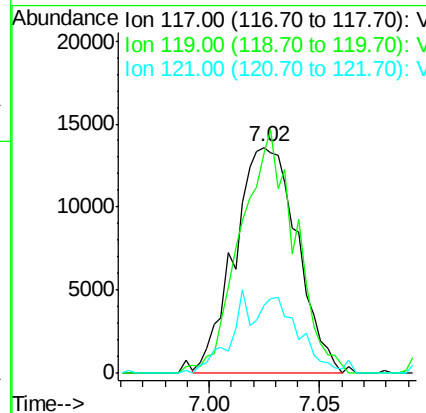
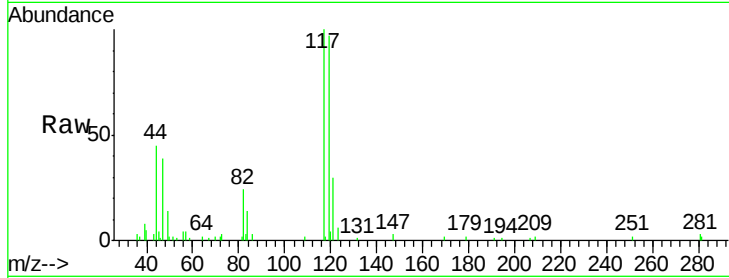
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	26794
Ion Ratio	Lower	Upper	
117	100		
119	94.0	79.4	119.0
121	30.5	24.3	36.5

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#38

Trichloroethene

Concen: 0.134 ppbv m

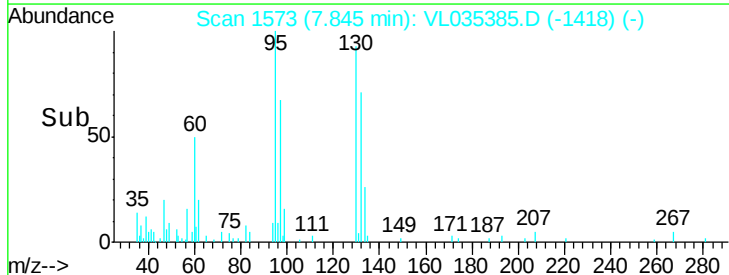
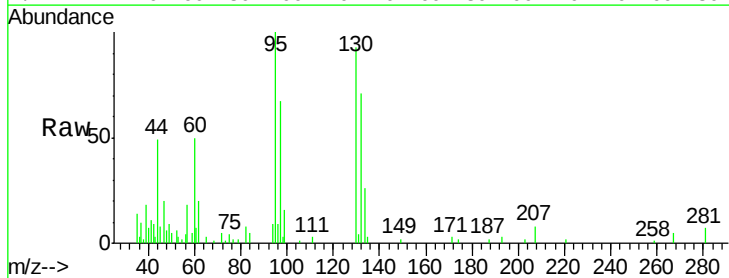
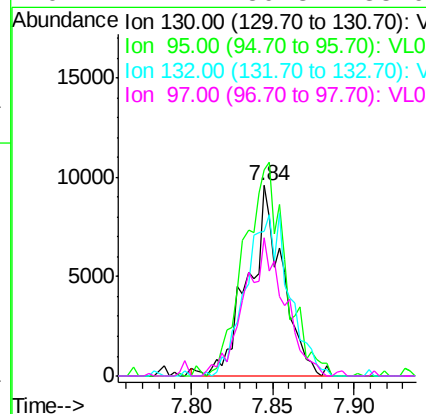
RT: 7.84 min Scan# 1573

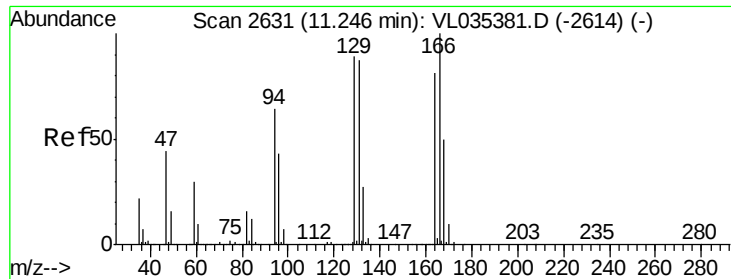
Delta R.T. -0.00 min

Lab File: VL035385.D

Acq: 12 Aug 2020 14:38

Tgt Ion:	130	Resp:	14108
Ion Ratio	Lower	Upper	
130	100		
95	107.9	94.2	141.4
132	76.1	76.6	114.8#
97	72.7	59.3	88.9





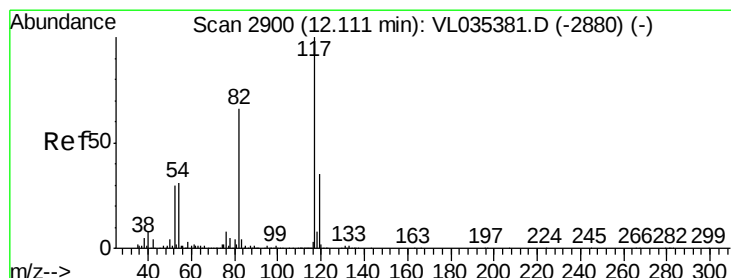
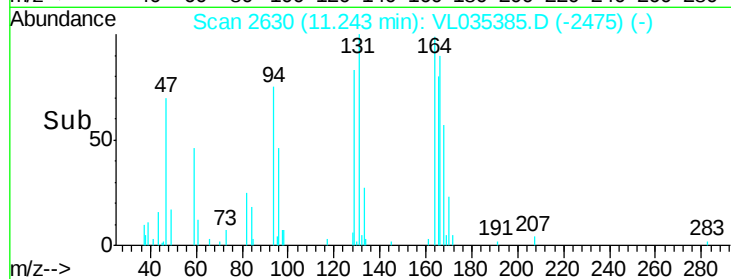
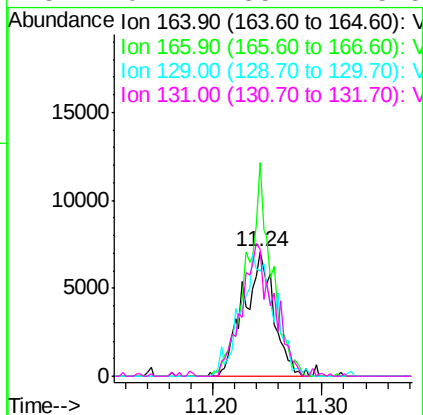
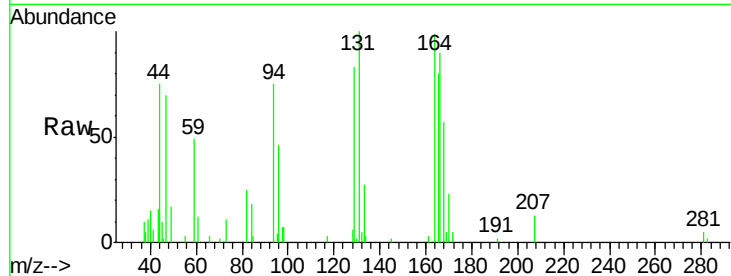
#52
Tetrachloroethene
Concen: 0.151 ppbv m
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL035385.D
Acq: 12 Aug 2020 14:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	90.6	98.2	147.2#
129	84.3	87.3	130.9#
131	101.2	85.7	128.5

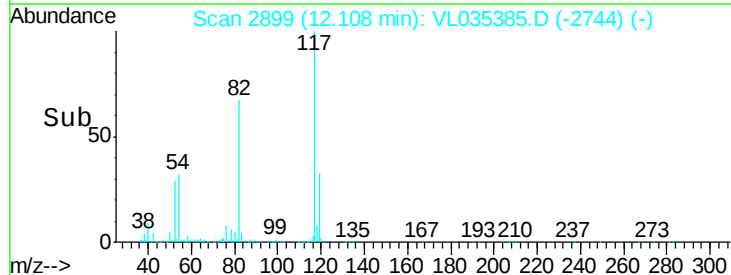
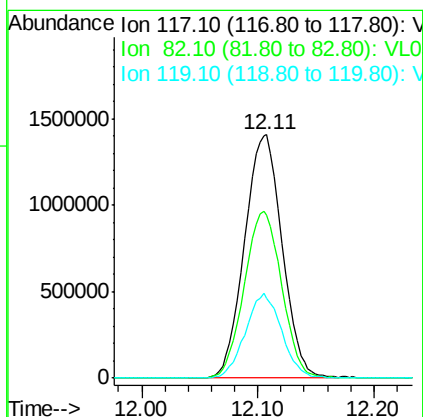
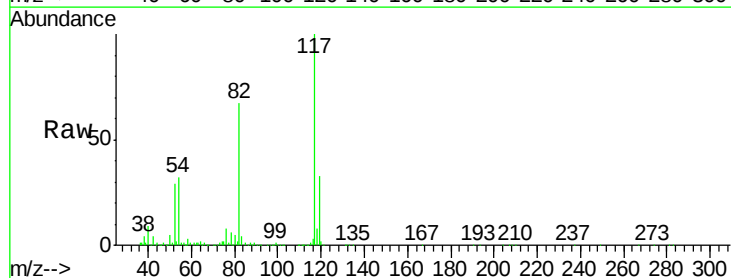
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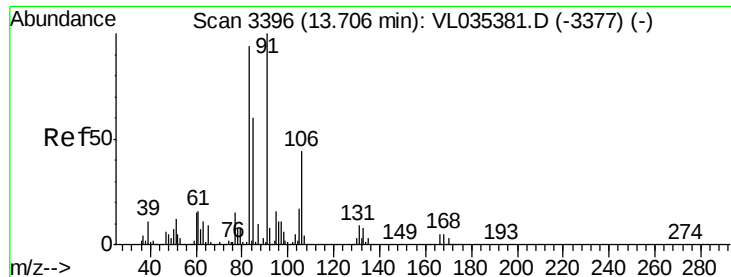
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035385.D
Acq: 12 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.5	53.0	79.6
119	33.7	25.7	38.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.125 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL035385.D

Acq: 12 Aug 2020 14:38

Instrument :

MSVOA_L

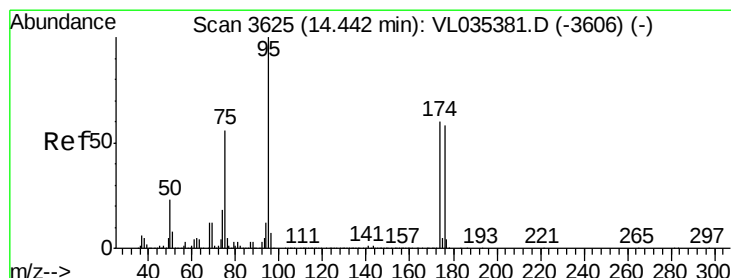
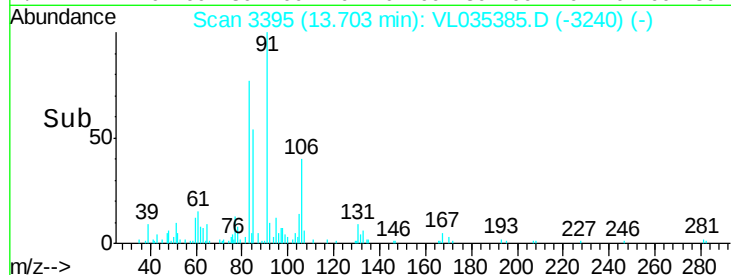
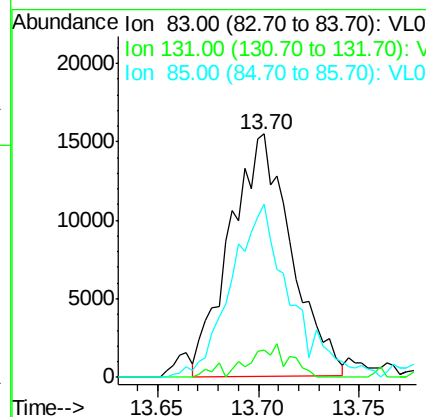
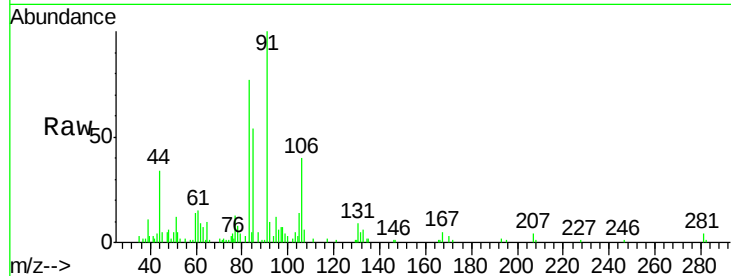
ClientSampleId :

VSTDIC0.1

Tot Ion:	83	Resp:	32717
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.5	13.7
85	71.1	32.4	97.0

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.951 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL035385.D

Acq: 12 Aug 2020 14:38

Tgt Ion:	95	Resp:	2642600
Ion Ratio	Lower	Upper	
95	100		
174	59.9	48.2	72.2
175	4.4	3.7	5.5

