

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035709.D
 Acq On : 23 Sep 2020 6:30
 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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 9/24/2020 1:35:21 PM

Quant Time: Sep 23 07:07:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:07:44 2020
 QLast Update : Wed Sep 23 05:25:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1183930	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4309510	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4341510	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3255169	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	2478m	0.029	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	5756m	0.023	ppbv	
35) Carbon Tetrachloride	7.03	117	6136m	0.028	ppbv	
38) Trichloroethene	7.85	130	4037m	0.025	ppbv	
52) Tetrachloroethene	11.25	164	4205m	0.026	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	10367m	0.035	ppbv	

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

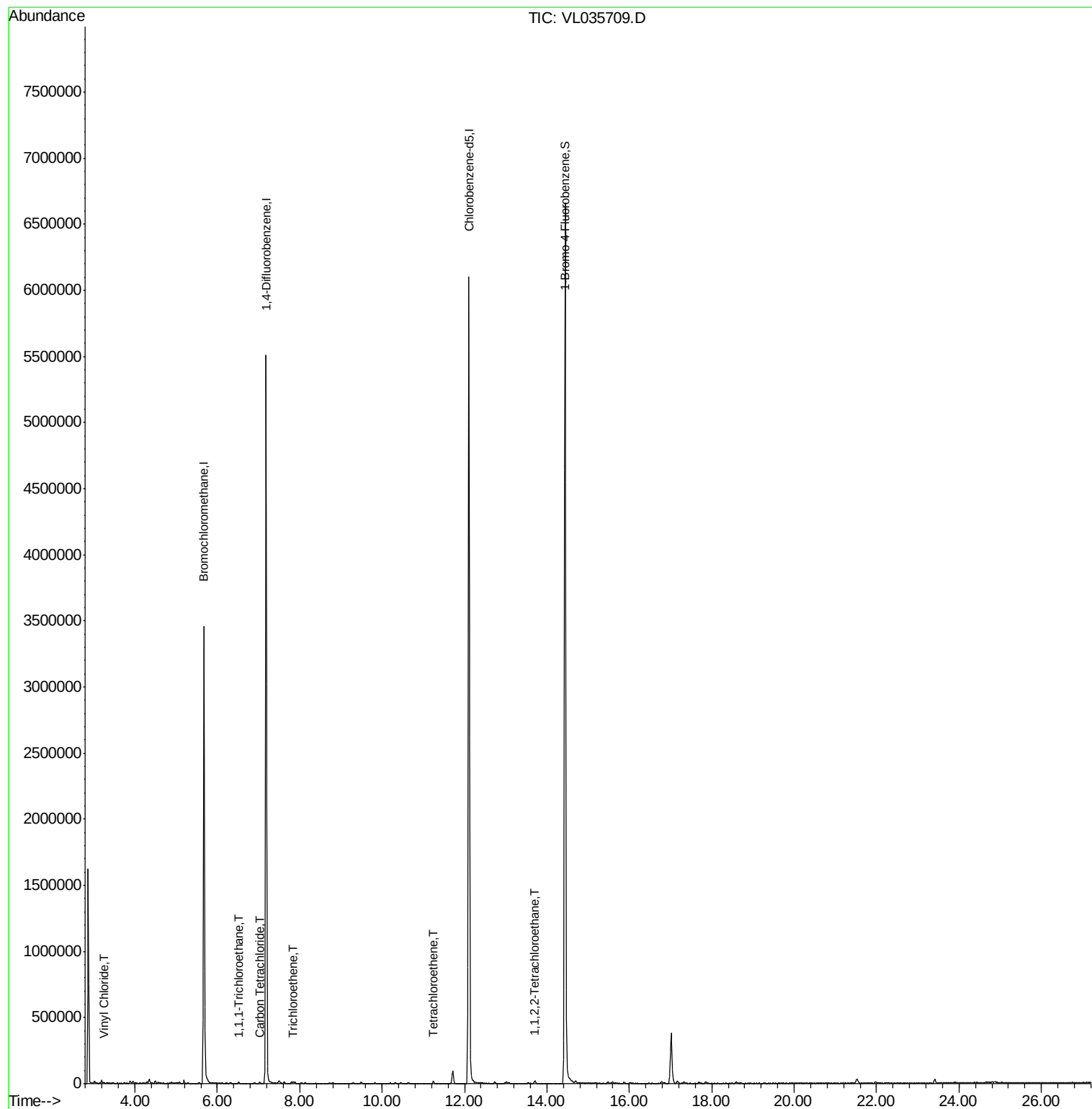
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092320\
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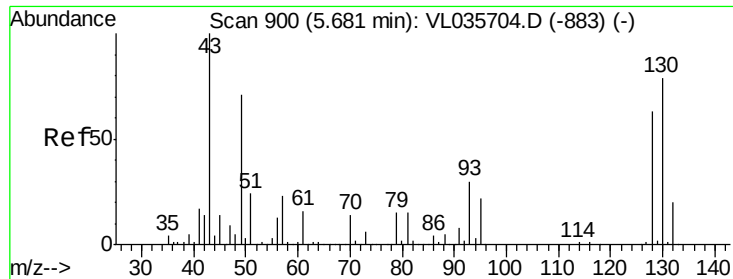
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Sep 23 07:07:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 23 05:25:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL035709.D

Acq: 23 Sep 2020 6:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1183930

Ion Ratio Lower Upper

49 100

128 84.2 43.1 129.4

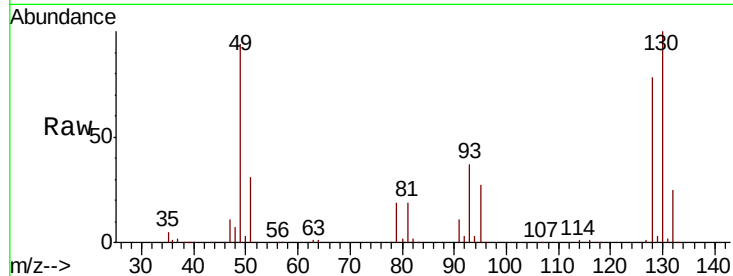
130 107.6 54.9 164.7

Manual Integrations

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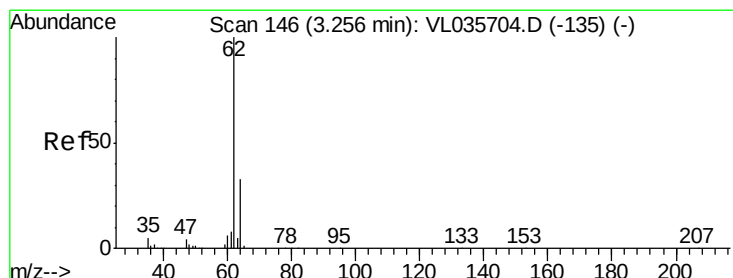
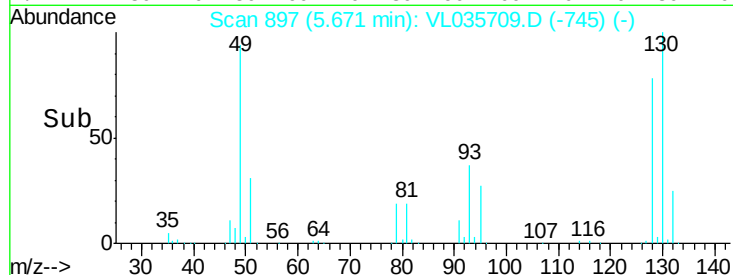
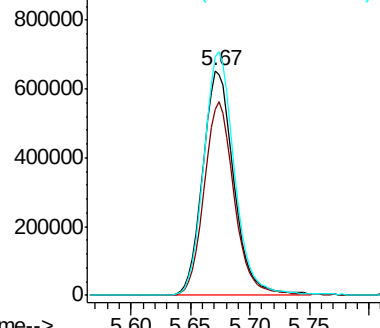
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.029 ppbv m

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL035709.D

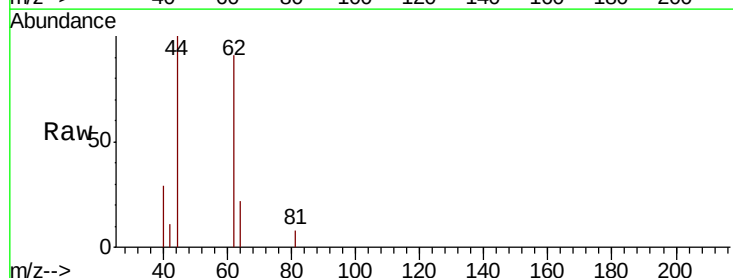
Acq: 23 Sep 2020 6:30

Tgt Ion: 62 Resp: 2478

Ion Ratio Lower Upper

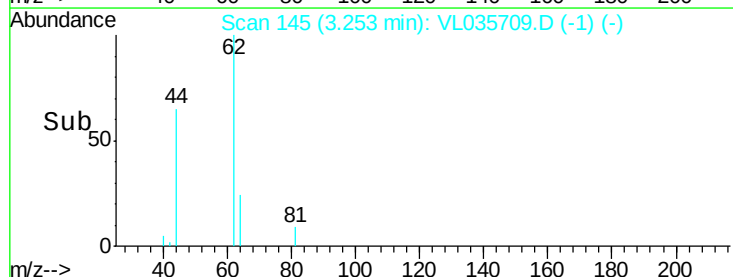
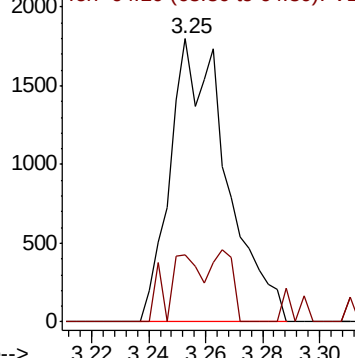
62 100

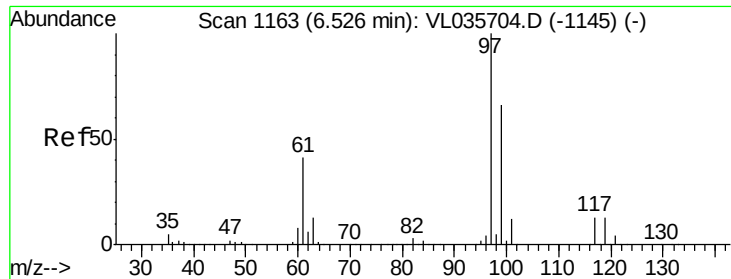
64 23.8 26.8 40.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





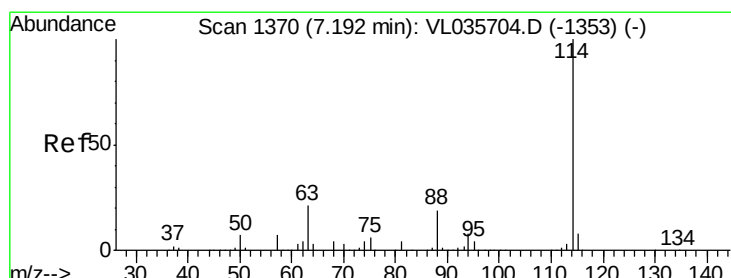
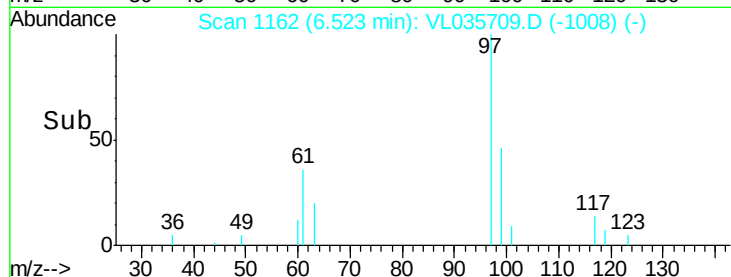
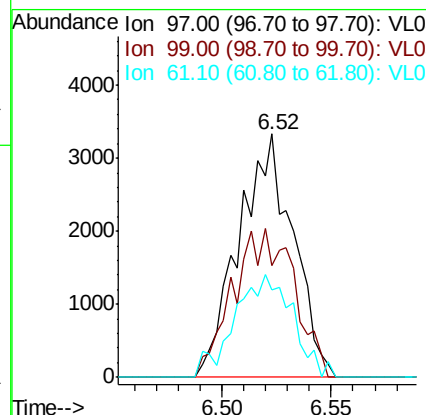
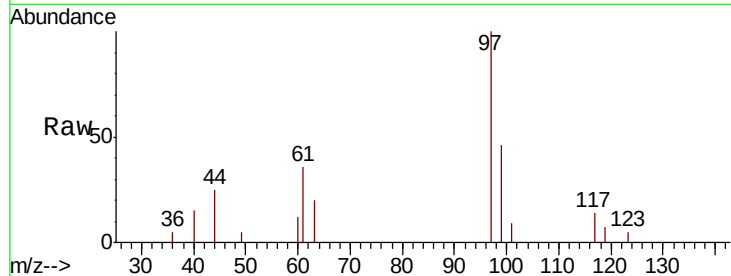
#32
 1,1,1-Trichloroethane
 Concen: 0.023 ppbv m
 RT: 6.52 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VL035709.D
 Acq: 23 Sep 2020 6:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
97	100		
99	68.4	52.7	79.1
61	45.2	32.7	49.1

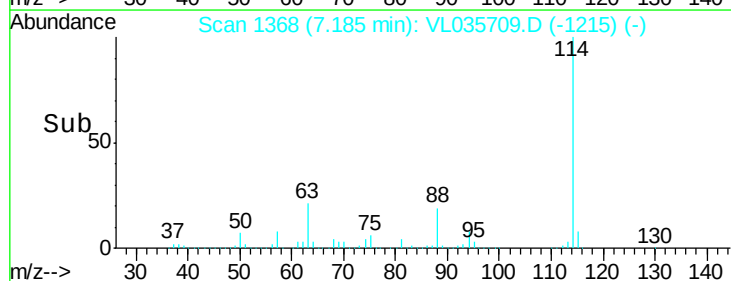
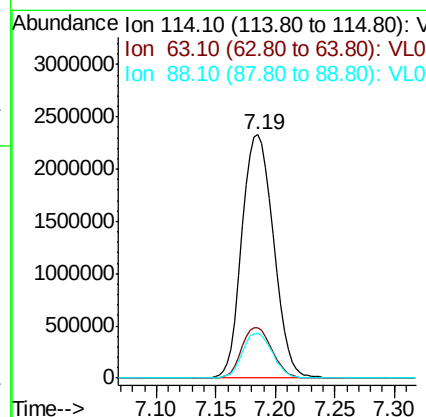
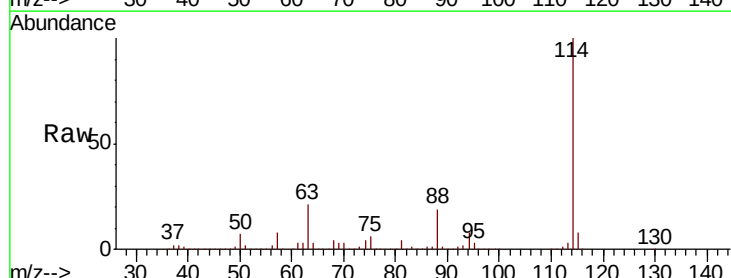
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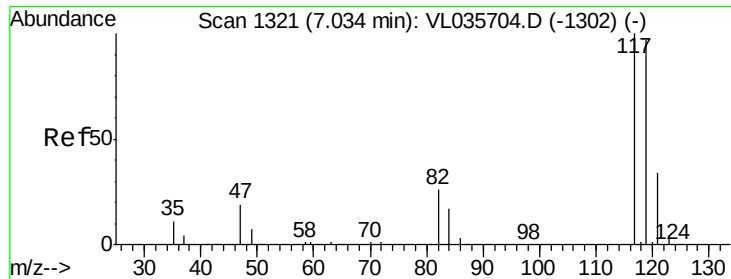
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VL035709.D
 Acq: 23 Sep 2020 6:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	17.7	14.1	21.1





#35

Carbon Tetrachloride

Concen: 0.028 ppbv m

RT: 7.03 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VL035709.D

Acq: 23 Sep 2020 6:30

Instrument :

MSVOA_L

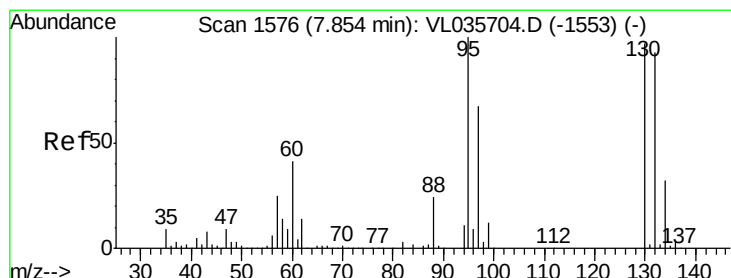
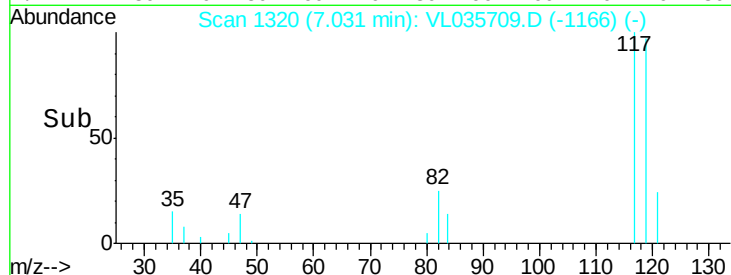
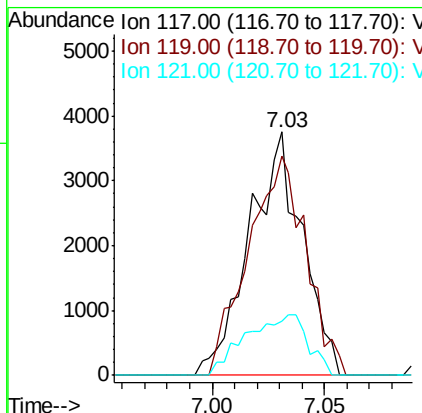
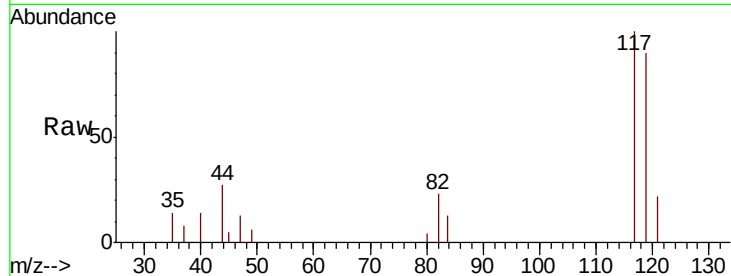
ClientSampleId :

VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.0	77.7	116.5
121	22.3	26.9	40.3

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#38

Trichloroethene

Concen: 0.025 ppbv m

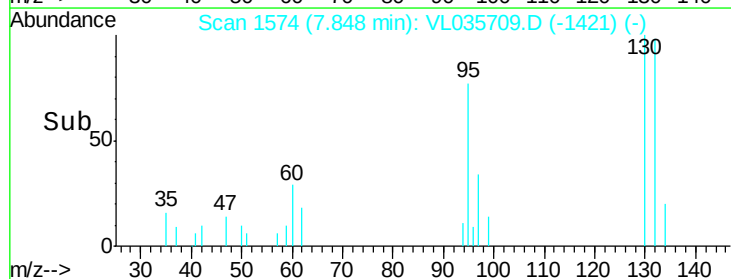
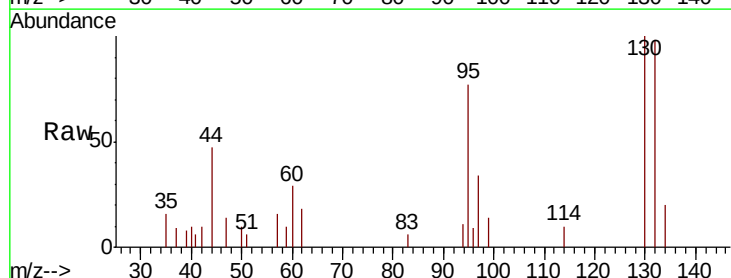
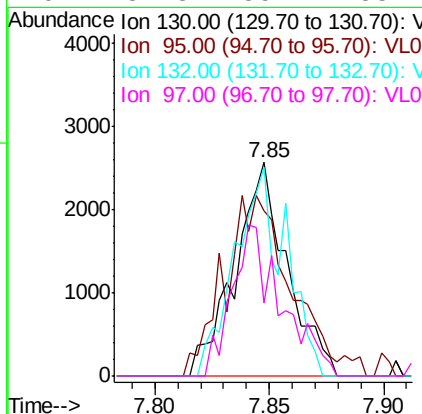
RT: 7.85 min Scan# 1574

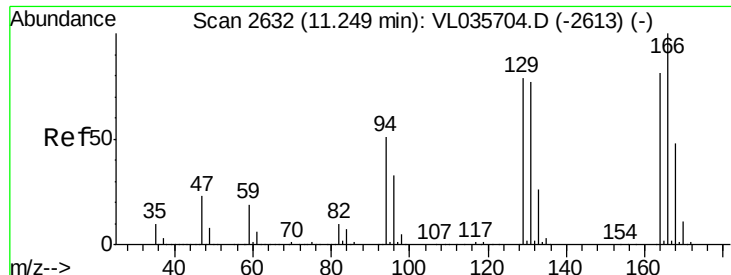
Delta R.T. -0.01 min

Lab File: VL035709.D

Acq: 23 Sep 2020 6:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	77.1	82.4	123.6
132	97.9	76.8	115.2
97	34.3	55.4	83.2





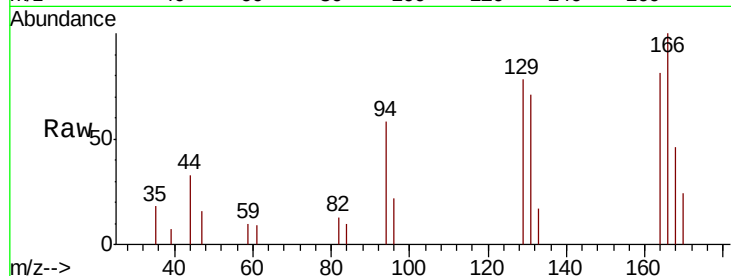
#52
Tetrachloroethene
Concen: 0.026 ppbv m
RT: 11.25 min Scan# 2631
Delta R.T. -0.00 min
Lab File: VL035709.D
Acq: 23 Sep 2020 6:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.3	98.7	148.1
129	95.9	78.4	117.6
131	88.0	76.2	114.2

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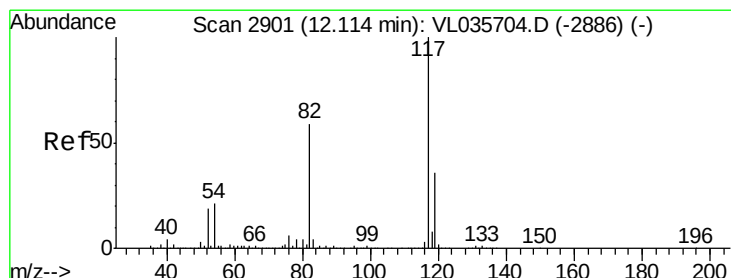
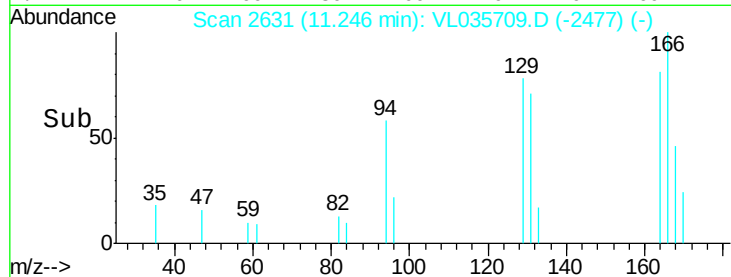
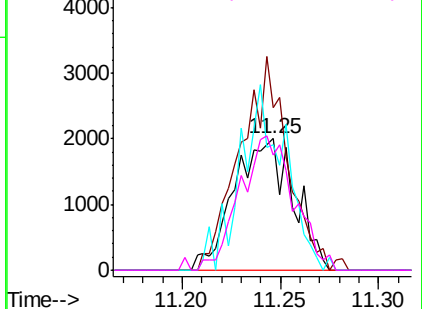
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

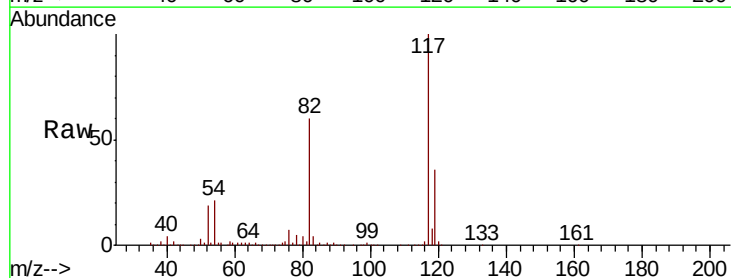
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035709.D
Acq: 23 Sep 2020 6:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.1	69.1
119	34.5	28.0	42.0

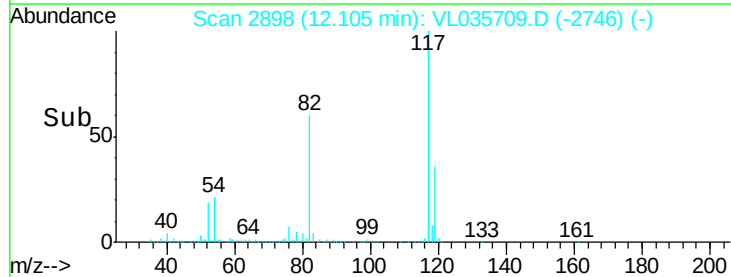
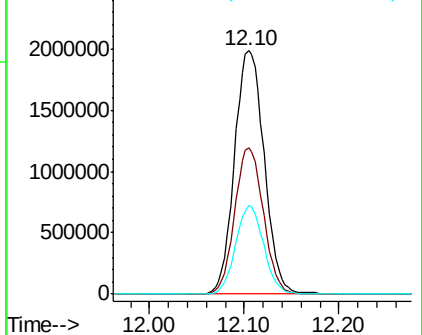


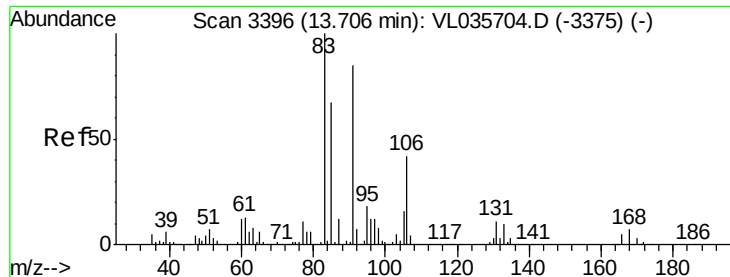
Abundance

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





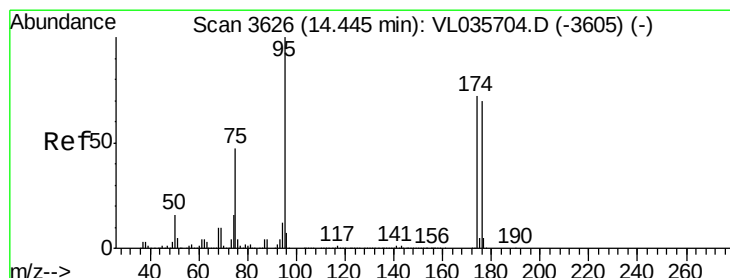
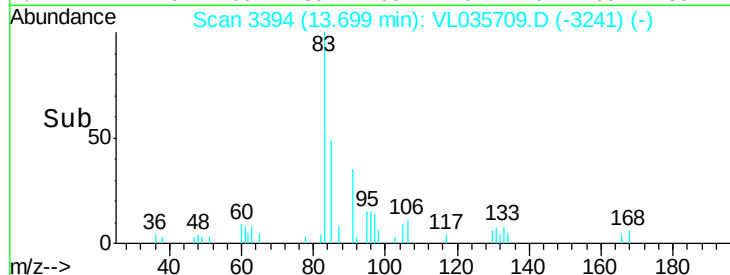
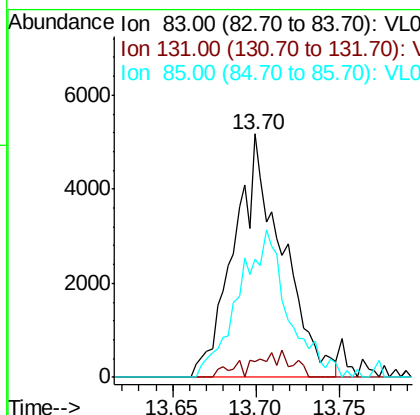
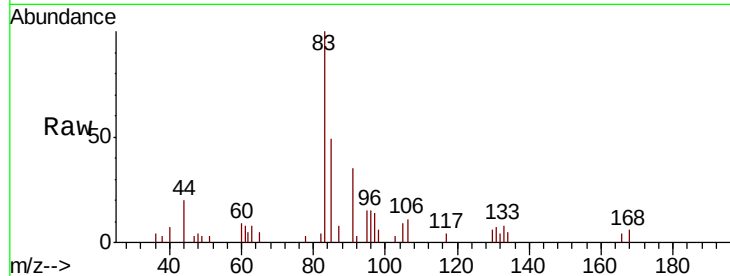
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.035 ppbv m
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035709.D
 Acq: 23 Sep 2020 6:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	16.1#
85	0.0	33.4	100.2#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.435 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. -0.01 min
 Lab File: VL035709.D
 Acq: 23 Sep 2020 6:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	59.6	89.4
175	5.6	4.2	6.4

