

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080519\
 Data File : VL034091.D
 Acq On : 5 Aug 2019 15:53
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
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 8/8/2019 12:41:29 PM

Quant Time: Aug 05 16:09:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 05 2019
 QLast Update : Mon Aug 05 13:52:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1188799	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2381698	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2431995	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	2014358	9.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.26	62	2176	0.027	ppbv	89
32) 1,1,1-Trichloroethane	6.57	97	6842	0.028	ppbv	95
35) Carbon Tetrachloride	7.08	117	6691m	0.035	ppbv	
38) Trichloroethene	7.92	130	4442m	0.058	ppbv	
52) Tetrachloroethene	11.32	164	4339m	0.065	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.77	83	7694m	0.034	ppbv	

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

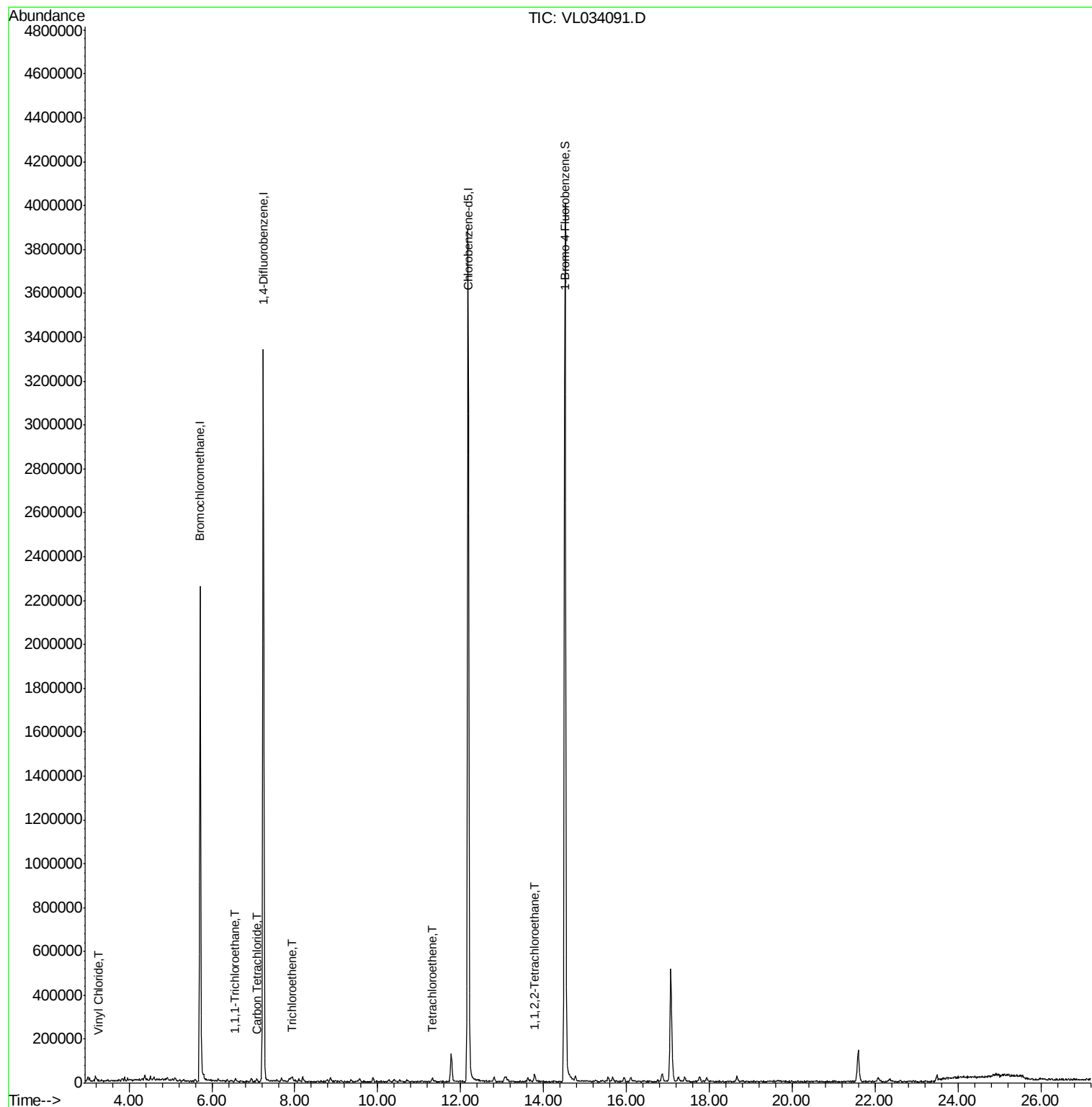
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL080519\
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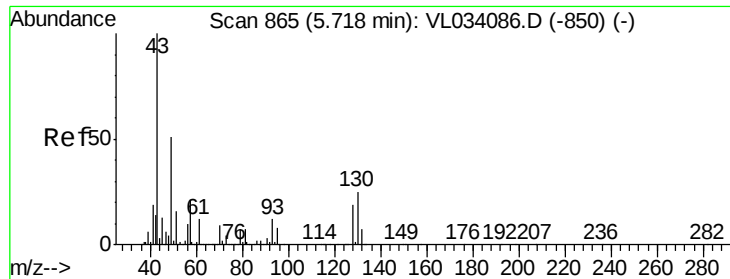
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
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QLast Update : Mon Aug 05 13:52:58 2019
Response via : Initial Calibration





#1

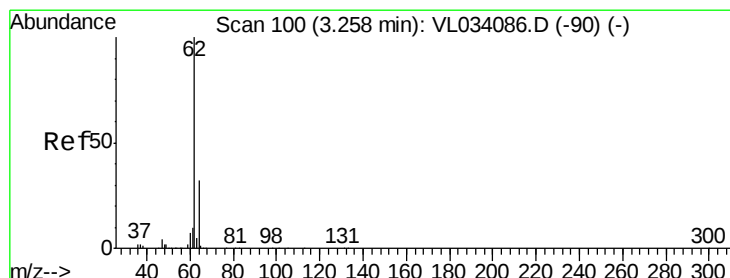
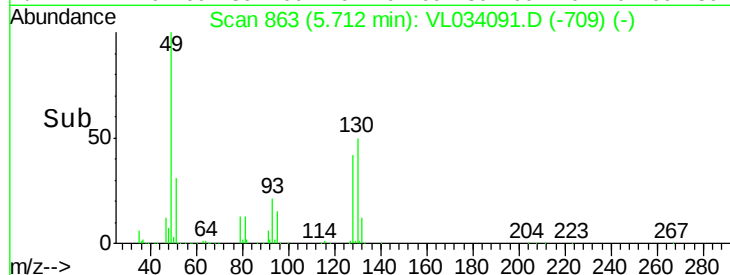
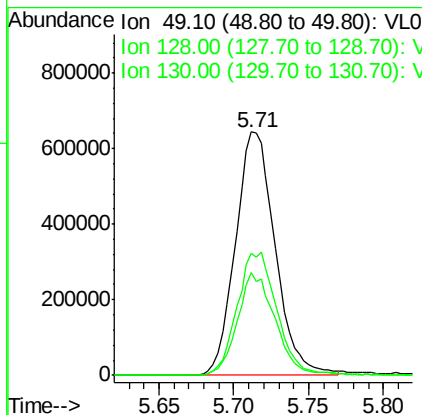
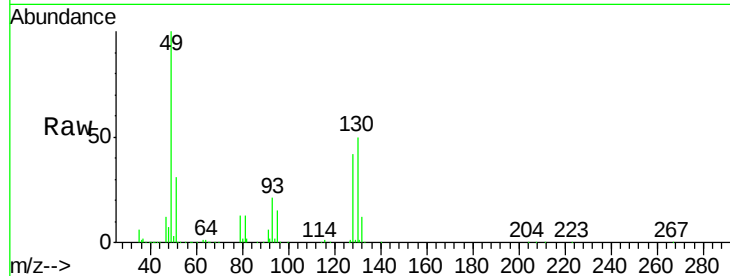
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.71 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VL034091.D
 Acq: 5 Aug 2019 15:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion: 49 Resp: 1188799
 Ion Ratio Lower Upper
 49 100
 128 40.8 19.5 58.5
 130 51.4 25.4 76.0

Manual Integrations
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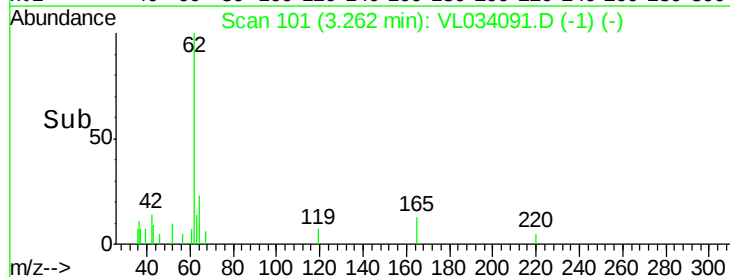
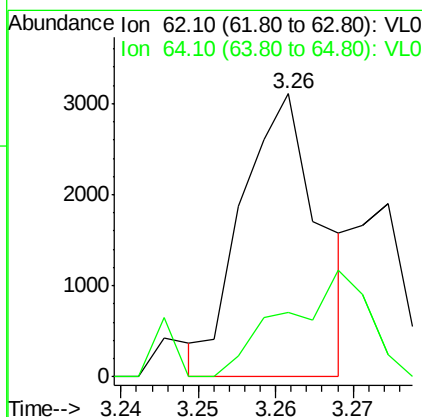
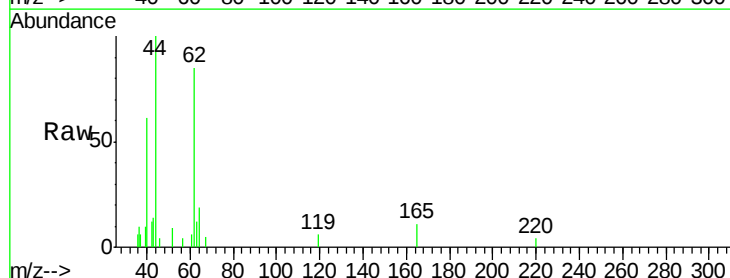
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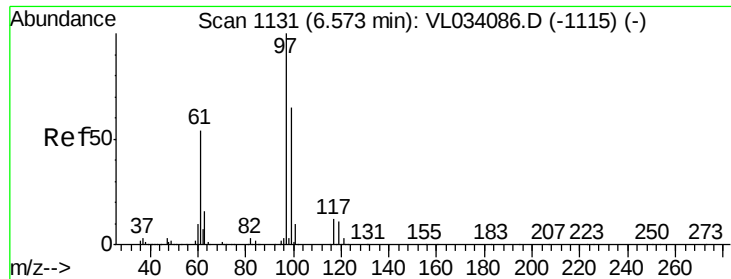


#5

Vinyl Chloride
 Concen: 0.027 ppbv
 RT: 3.26 min Scan# 101
 Delta R.T. 0.00 min
 Lab File: VL034091.D
 Acq: 5 Aug 2019 15:53

Tgt Ion: 62 Resp: 2176
 Ion Ratio Lower Upper
 62 100
 64 25.8 25.8 38.6





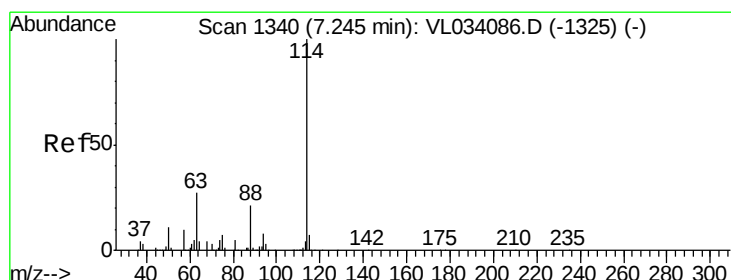
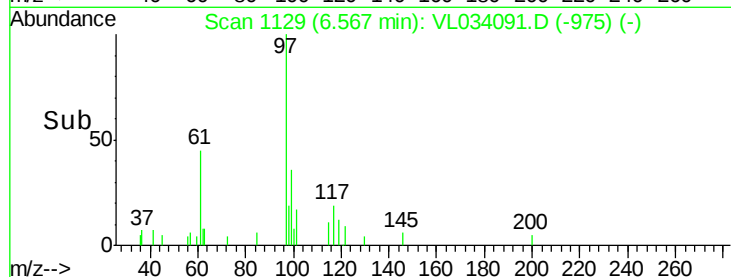
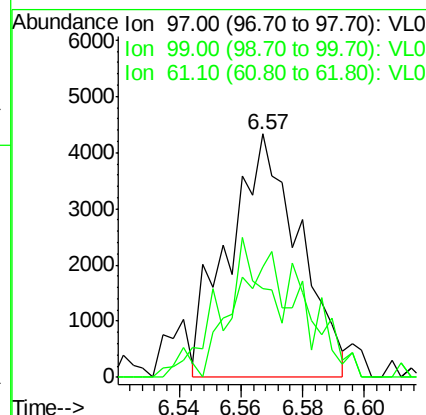
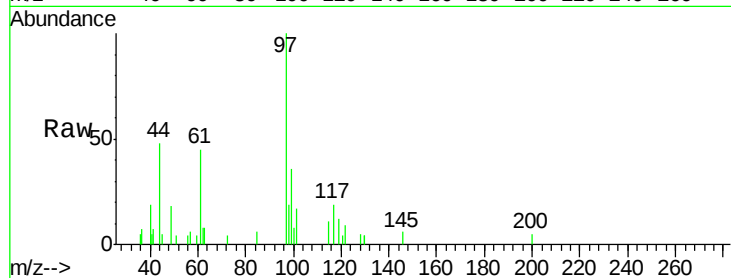
#32
 1,1,1-Trichloroethane
 Concen: 0.028 ppbv
 RT: 6.57 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: VL034091.D
 Acq: 5 Aug 2019 15:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.7	52.2	78.4
61	53.0	42.0	63.0

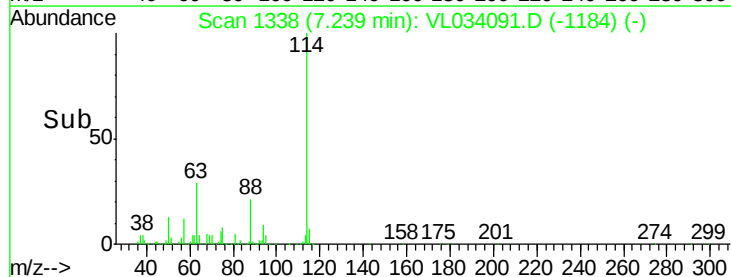
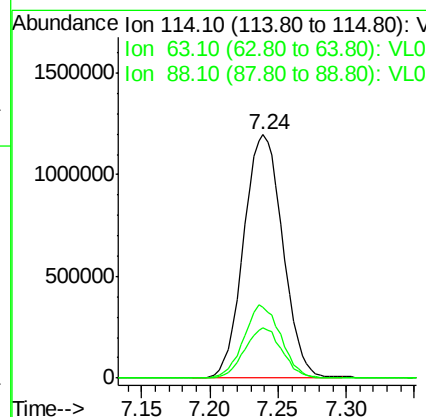
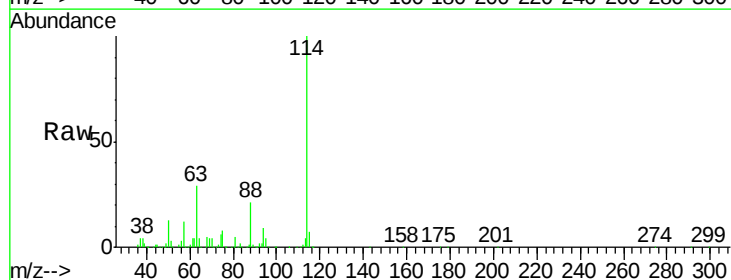
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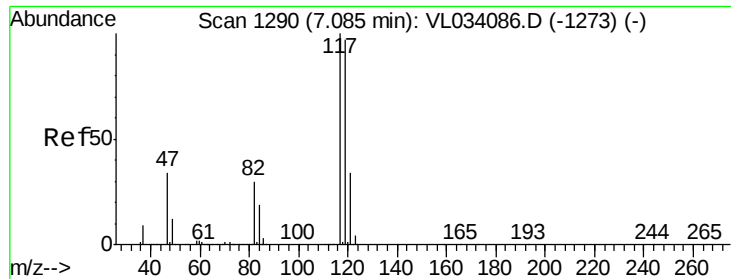
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.24 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VL034091.D
 Acq: 5 Aug 2019 15:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.6	22.5	33.7
88	19.9	15.7	23.5





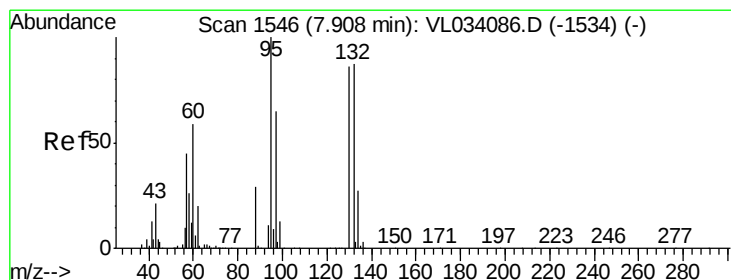
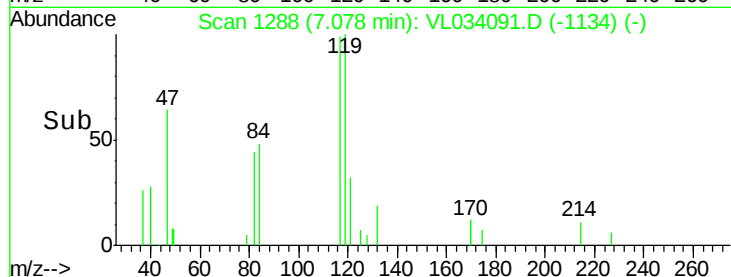
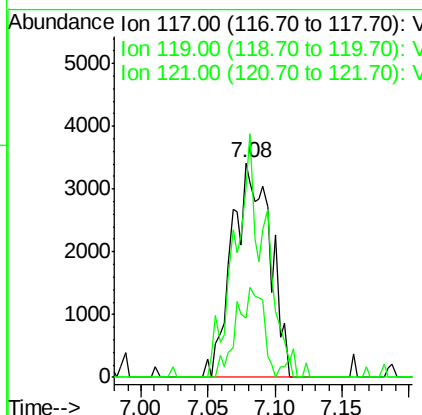
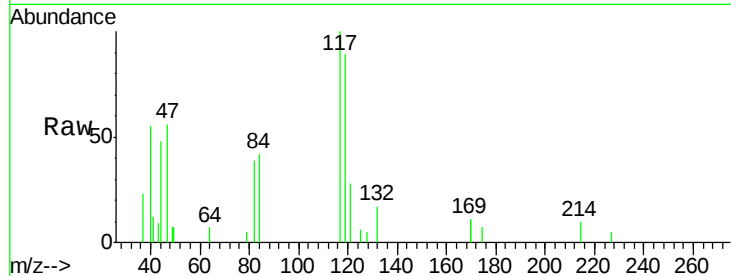
#35
Carbon Tetrachloride
Concen: 0.035 ppbv m
RT: 7.08 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6691		
119	88.6		77.8	116.6
121	27.9		27.4	41.2

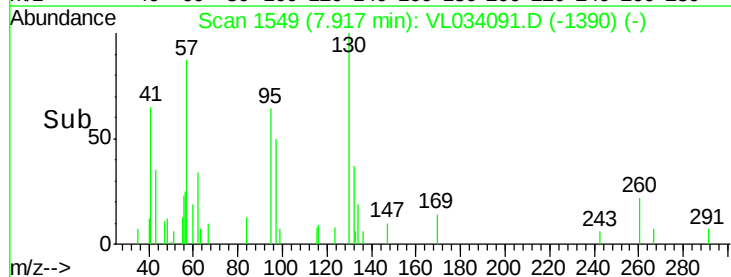
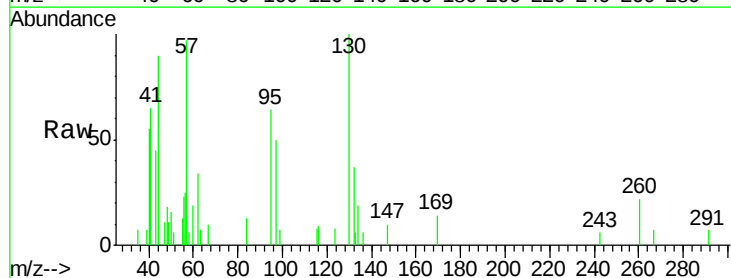
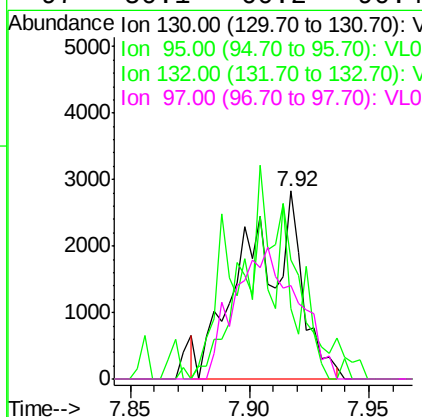
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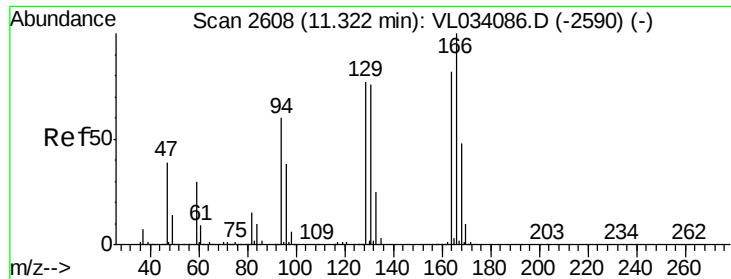
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#38
Trichloroethene
Concen: 0.058 ppbv m
RT: 7.92 min Scan# 1549
Delta R.T. 0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	4442		
95	63.7		92.1	138.1#
132	37.2		79.7	119.5#
97	50.1		60.2	90.4#





#52

Tetrachloroethene

Concen: 0.065 ppbv m

RT: 11.32 min Scan# 2606

Delta R.T. -0.01 min

Lab File: VL034091.D

Acq: 5 Aug 2019 15:53

Instrument :

MSVOA_L

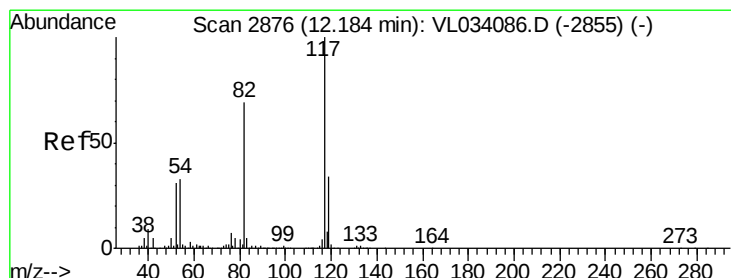
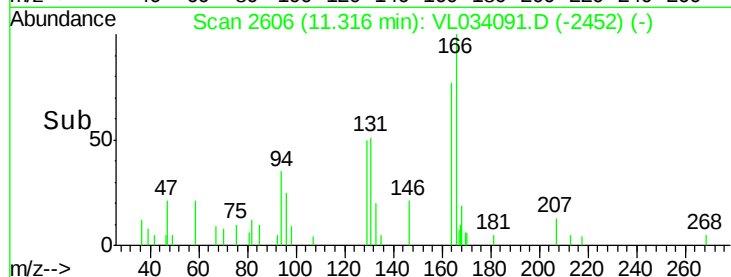
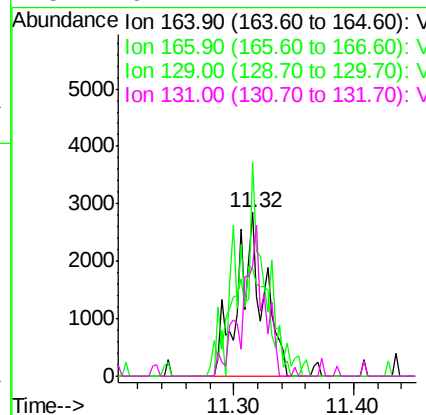
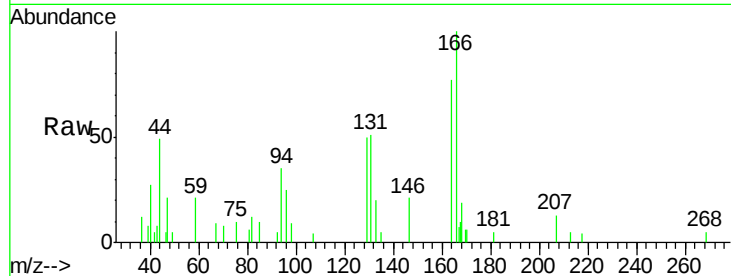
ClientSampleId :

VSTDIC0.03

Tgt Ion:	164	Resp:	4339
Ion Ratio	Lower	Upper	
164	100		
166	130.5	96.8	145.2
129	65.7	74.9	112.3#
131	67.1	74.2	111.2#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

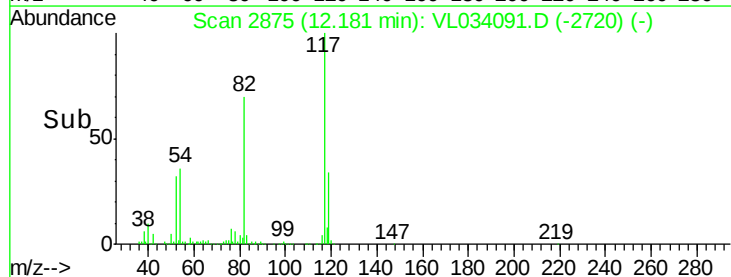
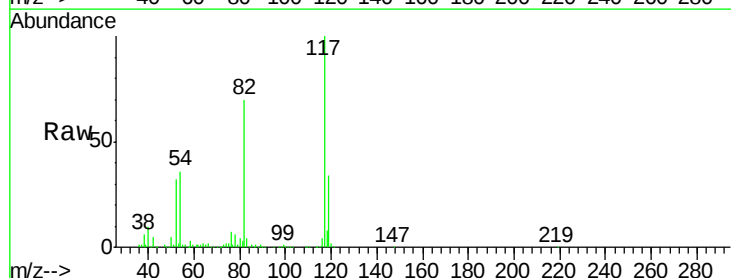
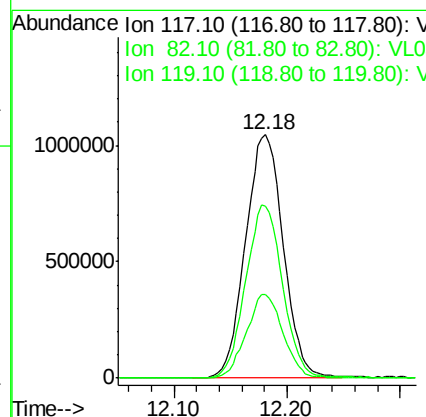
RT: 12.18 min Scan# 2875

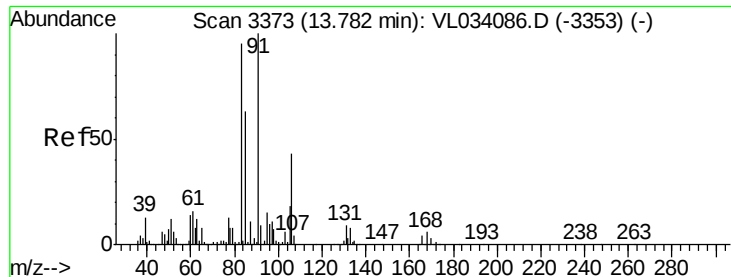
Delta R.T. -0.00 min

Lab File: VL034091.D

Acq: 5 Aug 2019 15:53

Tgt Ion:	117	Resp:	2431995
Ion Ratio	Lower	Upper	
117	100		
82	69.7	52.2	78.4
119	33.6	44.8	67.2#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.034 ppbv m

RT: 13.77 min Scan# 3370

Delta R.T. -0.01 min

Lab File: VL034091.D

Acq: 5 Aug 2019 15:53

Instrument :

MSVOA_L

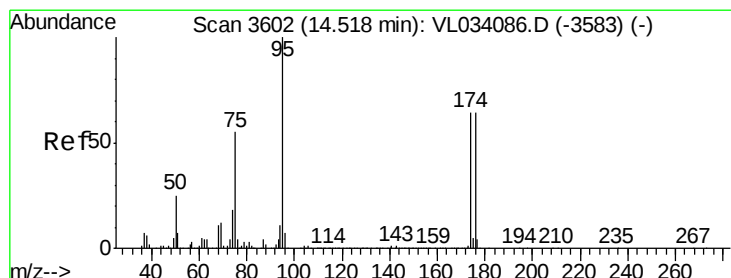
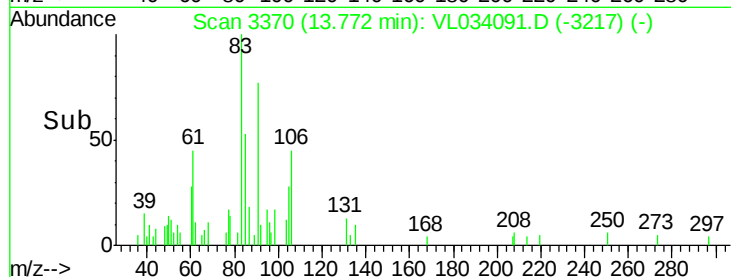
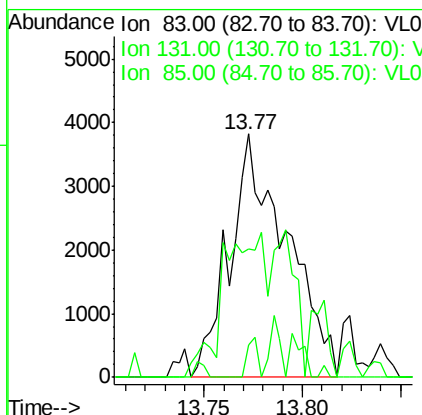
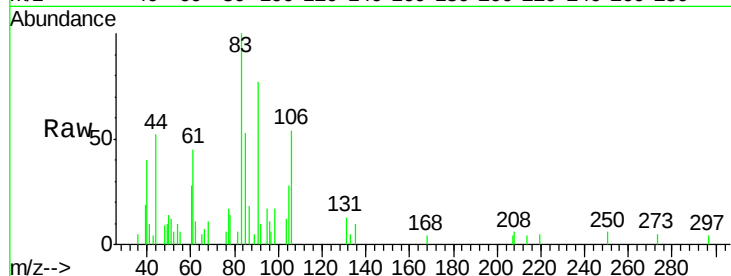
ClientSampleId :

VSTDIC0.03

Tgt Ion:	83	Resp:	7694
Ion	Ratio	Lower	Upper
83	100		
131	12.0	4.6	13.8
85	0.0	32.6	97.8#

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.374 ppbv

RT: 14.52 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VL034091.D

Acq: 5 Aug 2019 15:53

Tgt Ion:	95	Resp:	2014358
Ion	Ratio	Lower	Upper
95	100		
174	65.5	53.0	79.6
175	4.9	4.2	6.2

