

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012819\
 Data File : VL033118.D
 Acq On : 28 Jan 2019 18:13
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
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Quant Time: Jan 28 19:54:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 28 2019
 QLast Update : Mon Jan 28 16:32:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1137162	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	3775443	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3670850	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2802664	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.29	62	9121	0.122	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	34176	0.158	ppbv	94
35) Carbon Tetrachloride	7.13	117	34487m	0.106	ppbv	
38) Trichloroethene	7.96	130	12809m	0.101	ppbv	
52) Tetrachloroethene	11.37	164	8349m	0.076	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.83	83	33728m	0.108	ppbv	

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

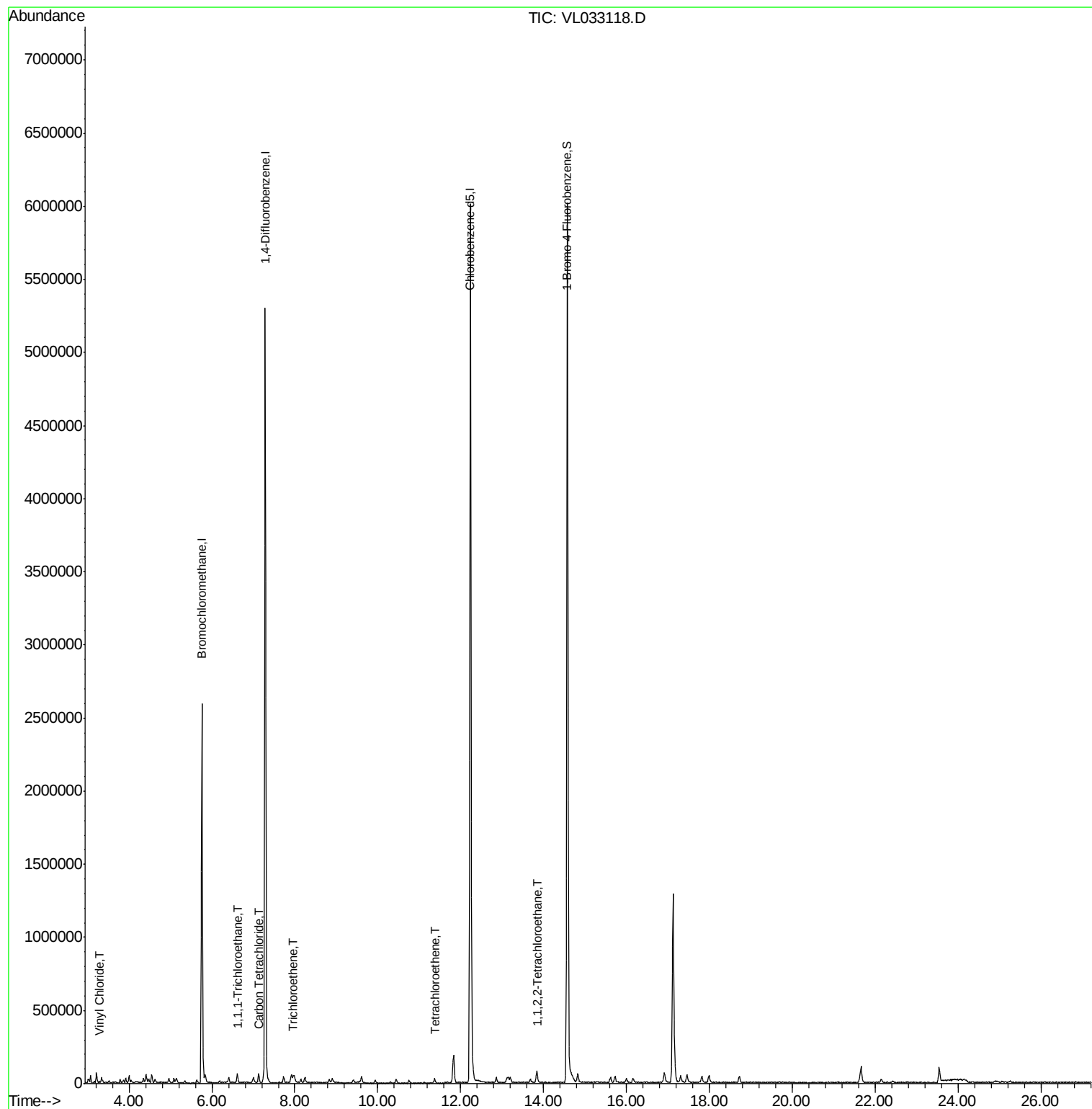
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012819\
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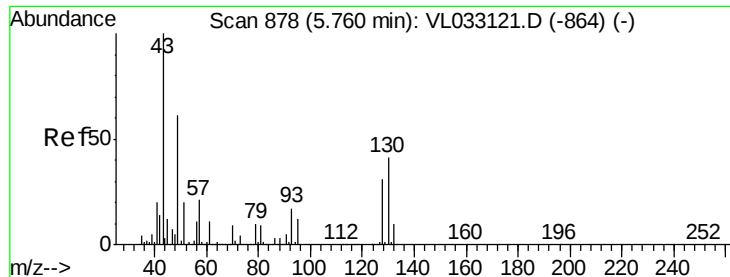
Instrument :
MSVOA_L
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#1

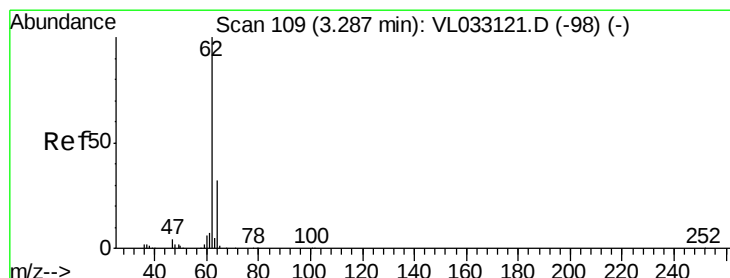
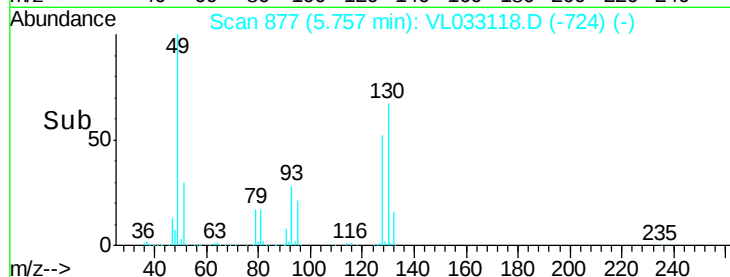
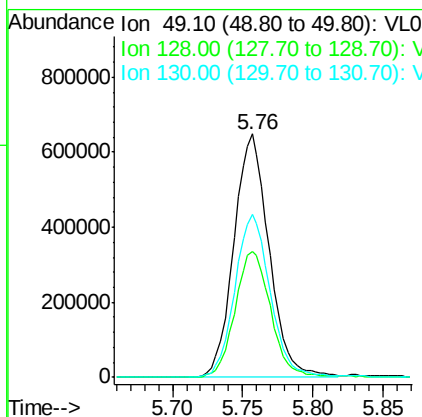
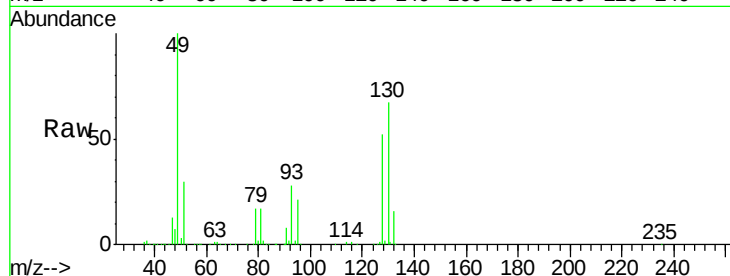
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VL033118.D
 Acq: 28 Jan 2019 18:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion: 49 Resp: 1137162
 Ion Ratio Lower Upper
 49 100
 128 53.0 25.9 77.7
 130 68.5 32.9 98.7

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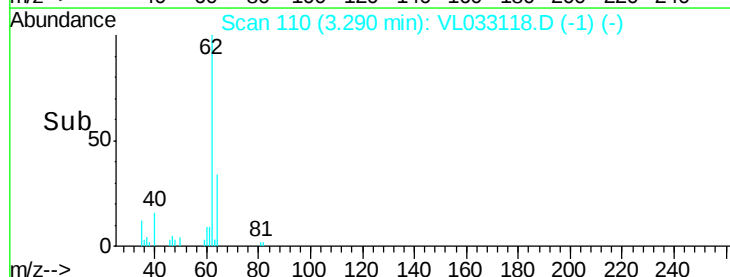
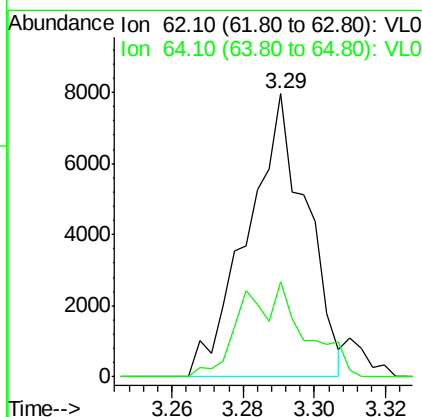
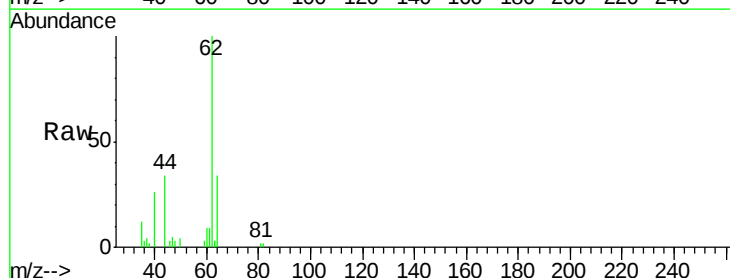
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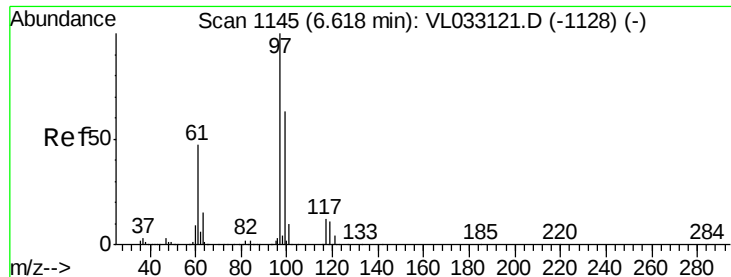


#5

Vinyl Chloride
 Concen: 0.122 ppbv
 RT: 3.29 min Scan# 110
 Delta R.T. -0.00 min
 Lab File: VL033118.D
 Acq: 28 Jan 2019 18:13

Tgt Ion: 62 Resp: 9121
 Ion Ratio Lower Upper
 62 100
 64 32.9 25.7 38.5





#32

1,1,1-Trichloroethane

Concen: 0.158 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VL033118.D

Acq: 28 Jan 2019 18:13

Instrument :

MSVOA_L

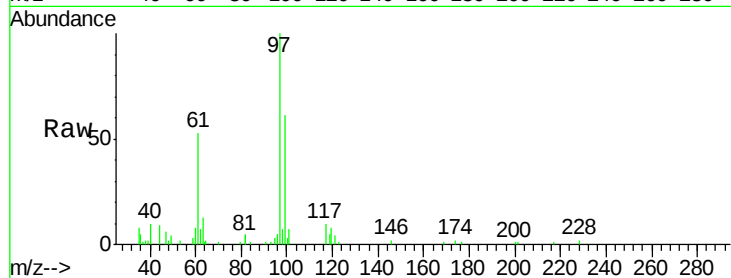
ClientSampleId :

VSTDIC0.1

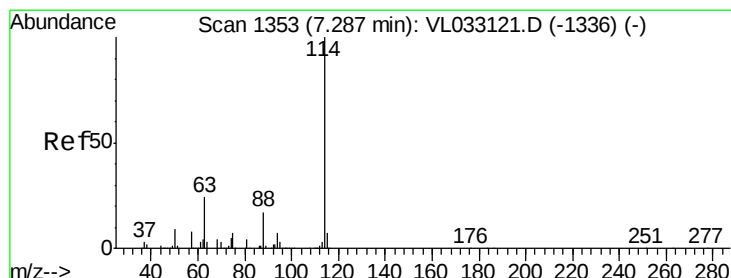
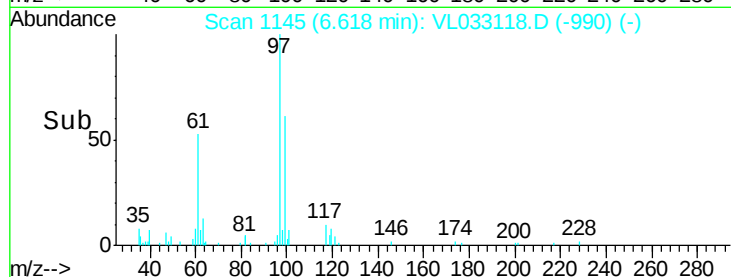
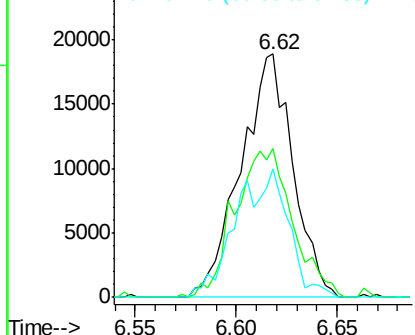
Tot Ion:	97	Resp:	34176
Ion	Ratio	Lower	Upper
97	100		
99	68.3	51.7	77.5
61	53.4	38.6	57.8

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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

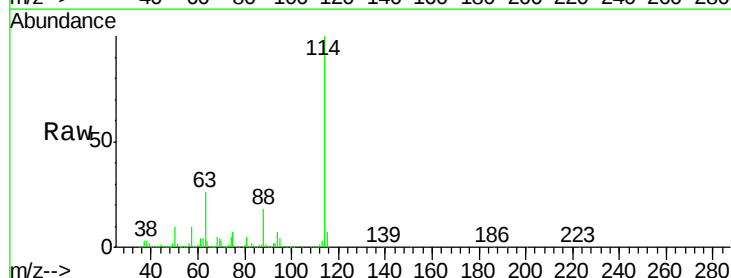
RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

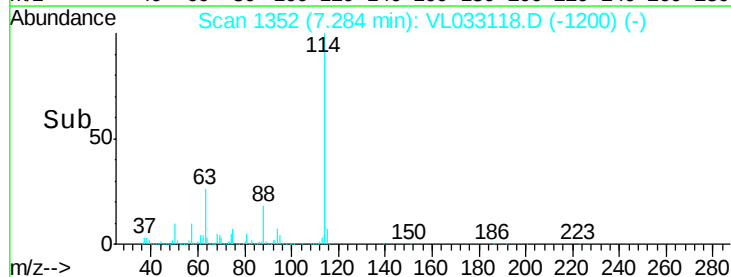
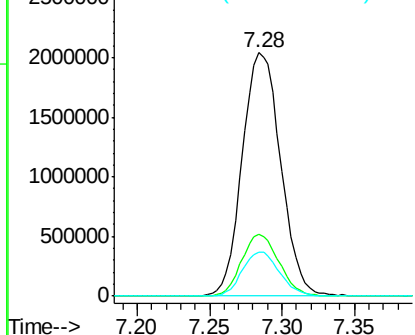
Lab File: VL033118.D

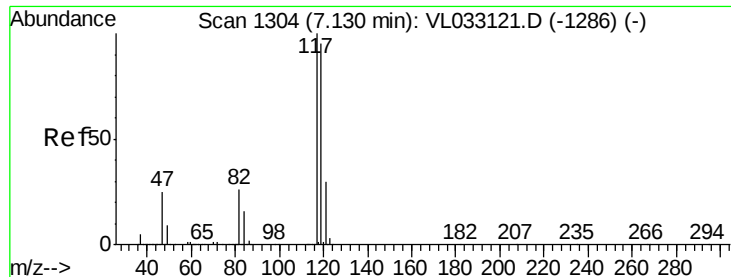
Acq: 28 Jan 2019 18:13

Tgt Ion:	114	Resp:	3775443
Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.8	29.8
88	17.7	14.2	21.2



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: 0.106 ppbv m

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033118.D

Acq: 28 Jan 2019 18:13

Instrument :

MSVOA_L

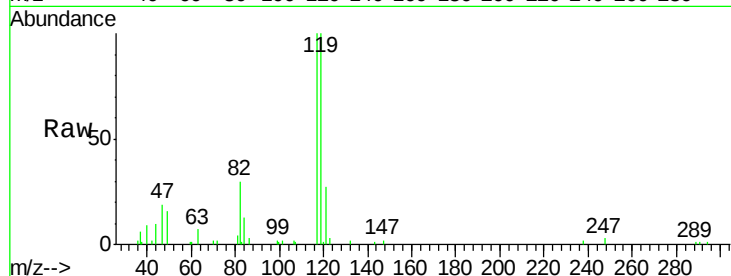
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	34487
Ion	Ratio	Lower	Upper
117	100		
119	100.2	75.8	113.6
121	27.3	24.6	36.8

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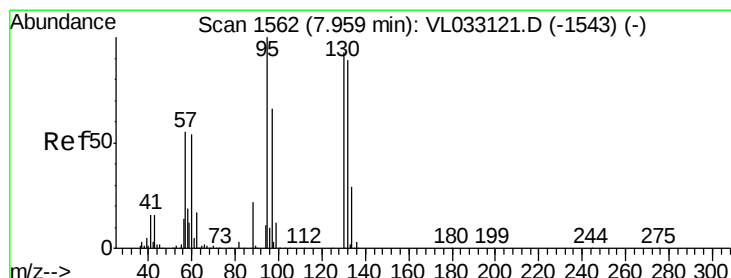
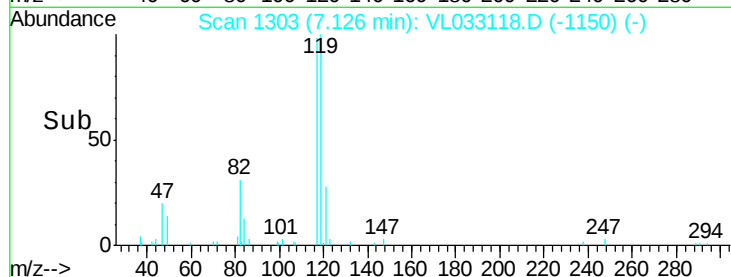
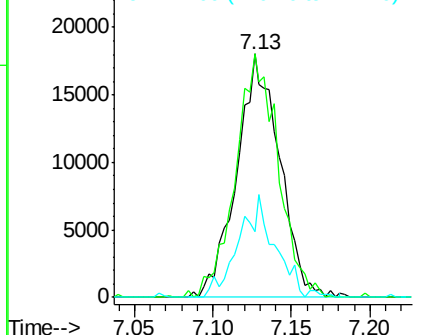


Abundance

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: 0.101 ppbv m

RT: 7.96 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL033118.D

Acq: 28 Jan 2019 18:13

Tgt Ion:	130	Resp:	12809
Ion	Ratio	Lower	Upper
130	100		
95	79.0	94.0	141.0#
132	83.1	79.7	119.5
97	80.2	58.4	87.6

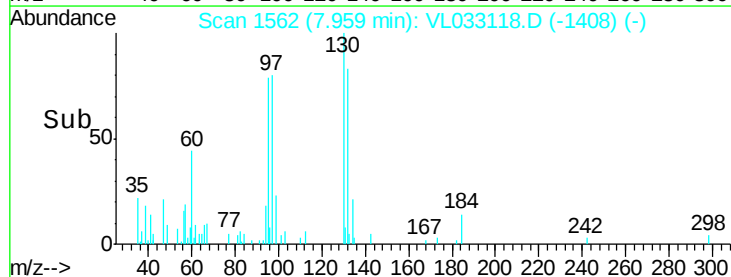
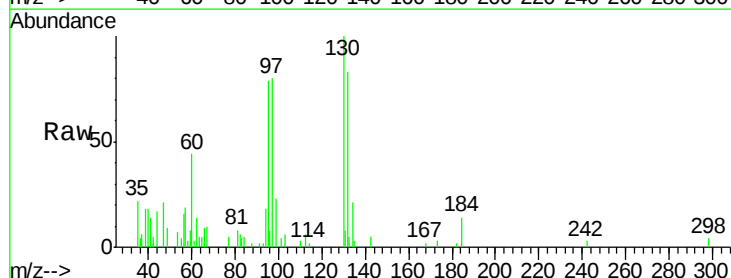
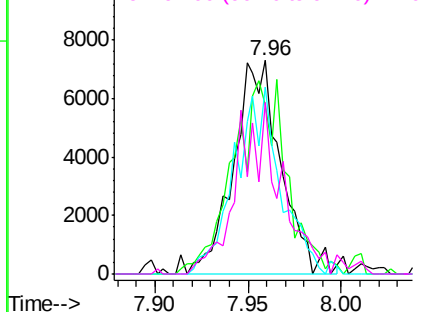
Abundance

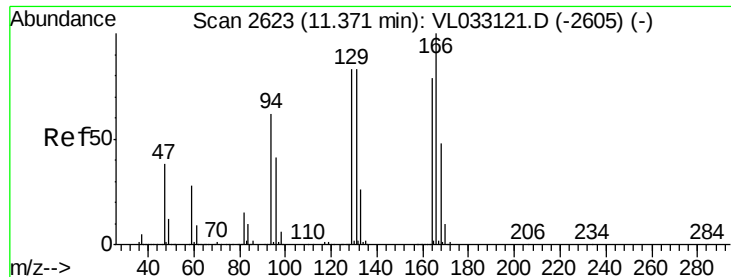
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): V





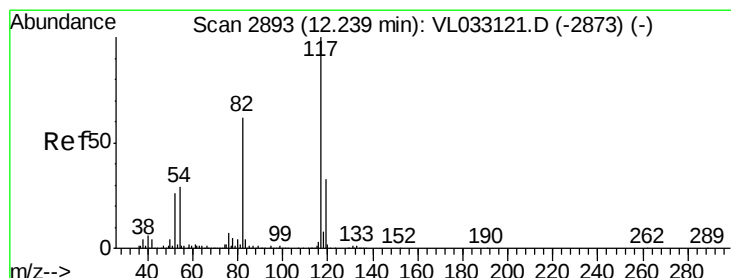
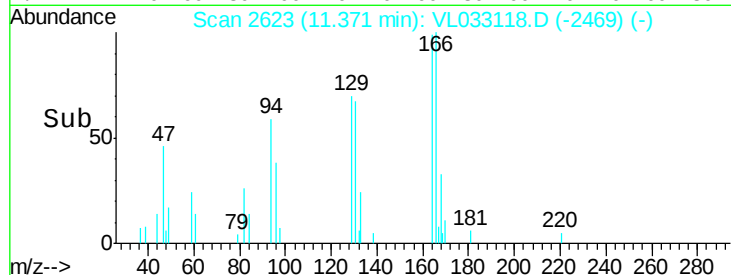
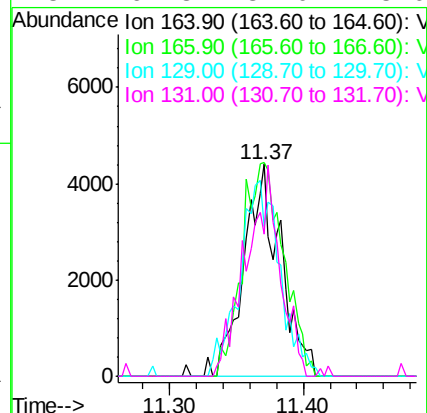
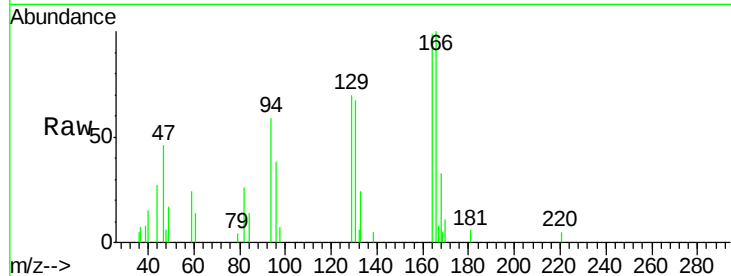
#52
Tetrachloroethene
Concen: 0.076 ppbv m
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033118.D
Acq: 28 Jan 2019 18:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	100.8	101.3	151.9#
129	70.5	83.3	124.9#
131	67.3	82.0	123.0#

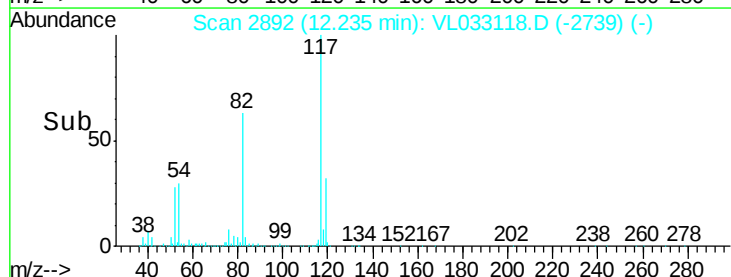
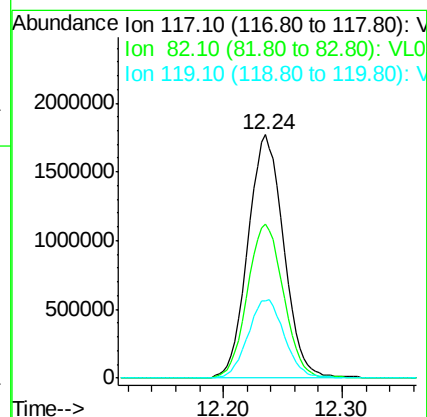
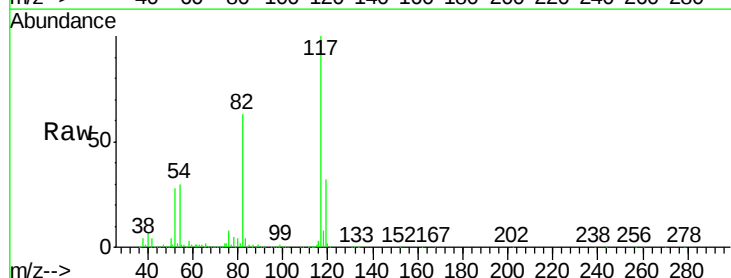
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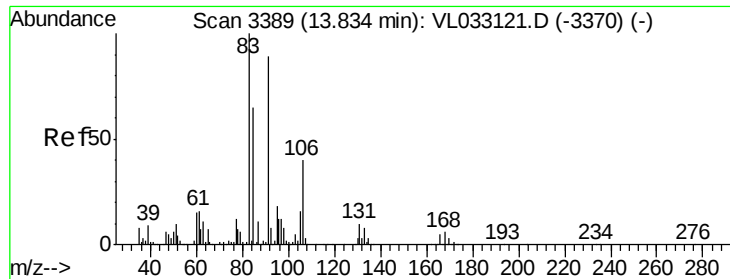
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033118.D
Acq: 28 Jan 2019 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.3	48.3	72.5
119	33.3	25.9	38.9





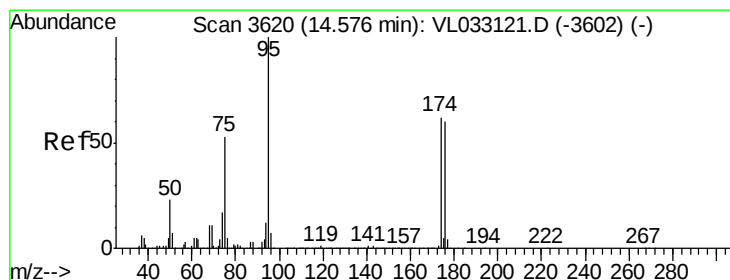
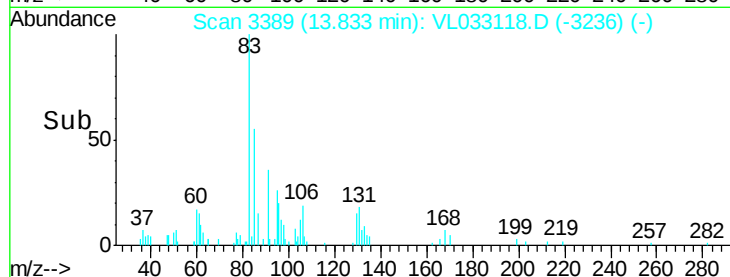
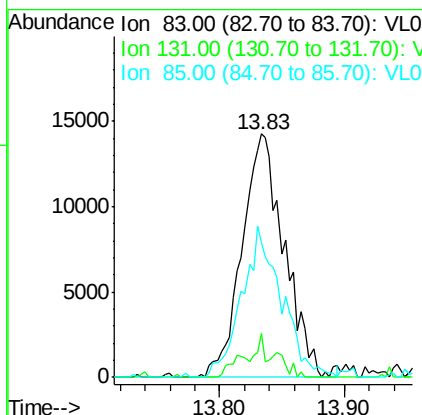
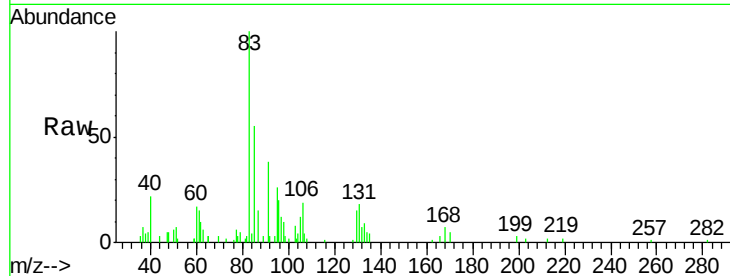
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.108 ppbv m
 RT: 13.83 min Scan# 3389
 Delta R.T. -0.01 min
 Lab File: VL033118.D
 Acq: 28 Jan 2019 18:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.6	4.9	14.6
85	59.2	32.5	97.4

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.960 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033118.D
 Acq: 28 Jan 2019 18:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.5	51.4	77.2
175	4.9	4.0	6.0

