

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\
 Data File : VL032657.D
 Acq On : 18 Oct 2018 18:40
 Operator : SY/AP
 Sample : VSTDICC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

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 10/24/2018 12:04:40 PM

Quant Time: Oct 18 19:29:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 19:29:06 2018
 QLast Update : Thu Oct 18 11:41:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1731942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4080694	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3950297	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2955810	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.31	62	8292	0.104	ppbv	98
32) 1,1,1-Trichloroethane	6.63	97	28283m	0.098	ppbv	
35) Carbon Tetrachloride	7.15	117	28943	0.092	ppbv	94
38) Trichloroethene	7.98	130	10293m	0.083	ppbv	
52) Tetrachloroethene	11.38	164	10753m	0.099	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.85	83	29751m	0.085	ppbv	

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

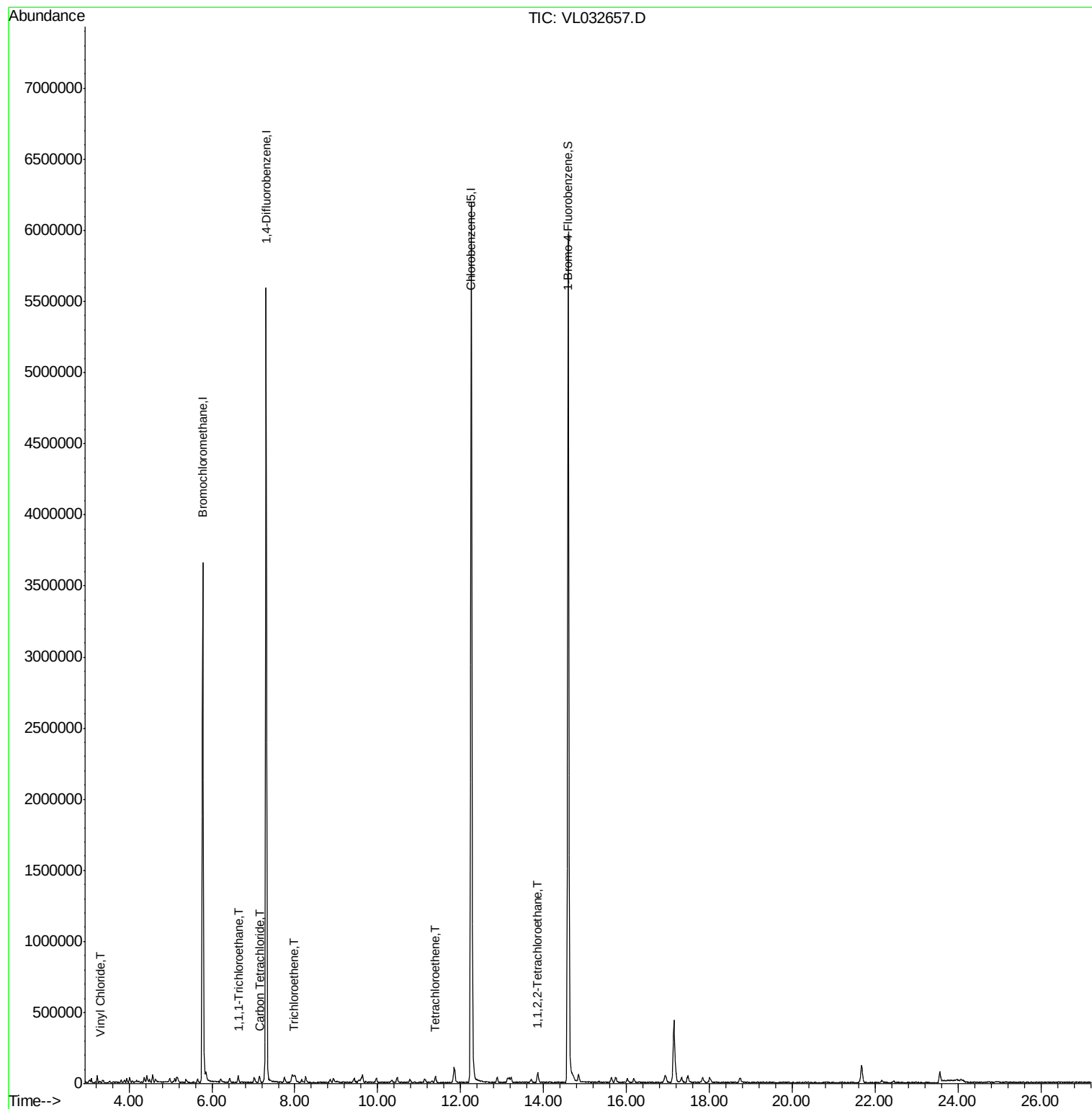
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101818\
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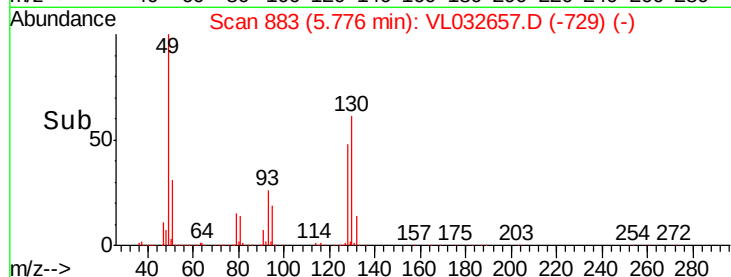
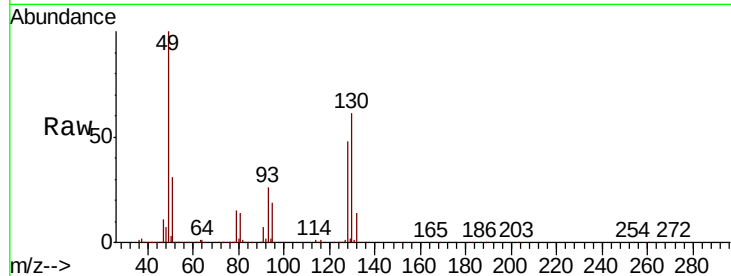
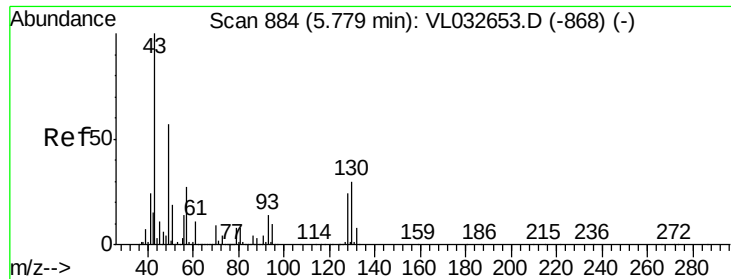
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Manual Integrations
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Quant Time: Oct 18 19:29:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 18 11:41:40 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032657.D

Acq: 18 Oct 2018 18:40

Tot Ion: 49 Resp: 1731942

Ion Ratio Lower Upper

49 100

128 48.5 22.3 66.8

130 63.1 28.4 85.3

Instrument :

MSVOA_L

ClientSampleId :

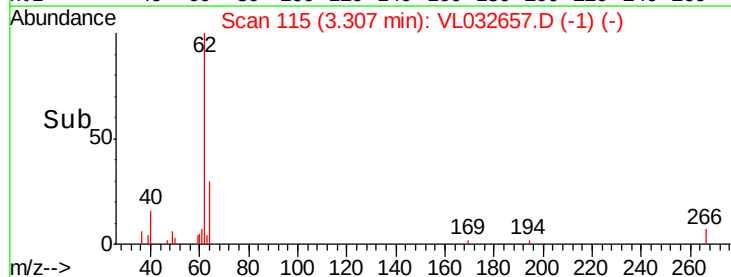
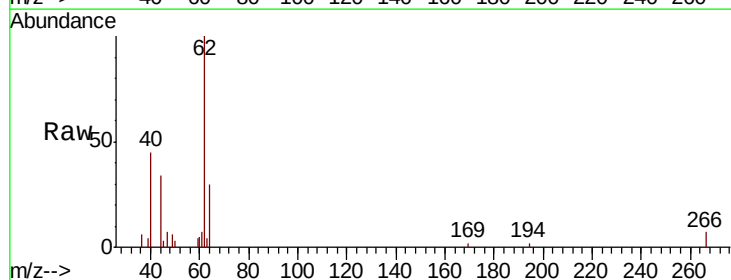
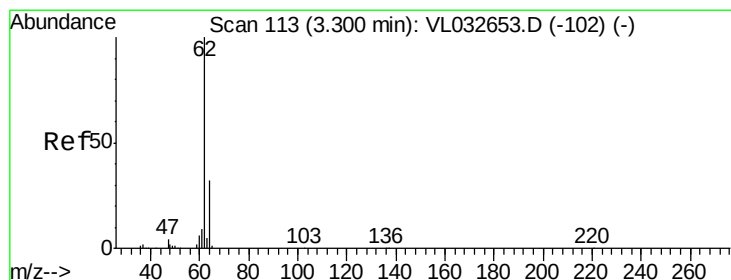
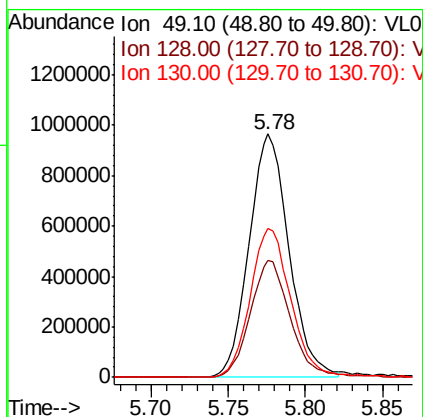
VSTDIC0.1

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.104 ppbv

RT: 3.31 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL032657.D

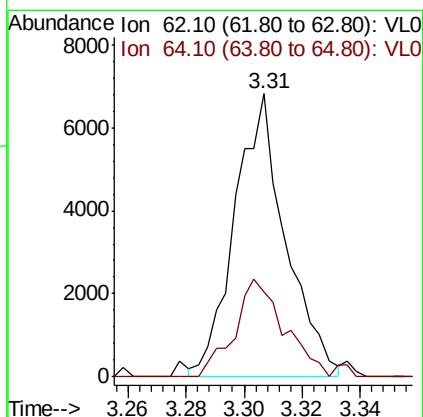
Acq: 18 Oct 2018 18:40

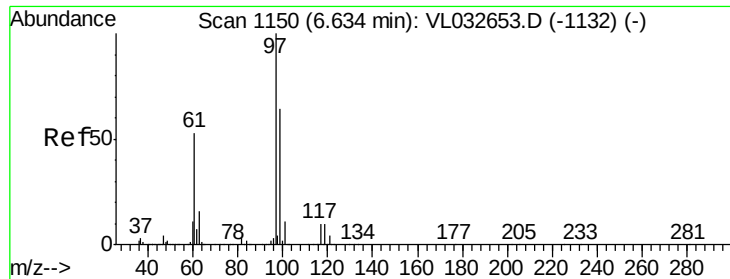
Tgt Ion: 62 Resp: 8292

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#32

1,1,1-Trichloroethane

Concen: 0.098 ppbv m

RT: 6.63 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VL032657.D

Acq: 18 Oct 2018 18:40

Instrument :

MSVOA_L

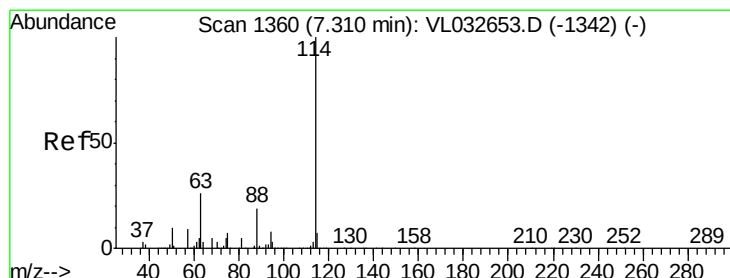
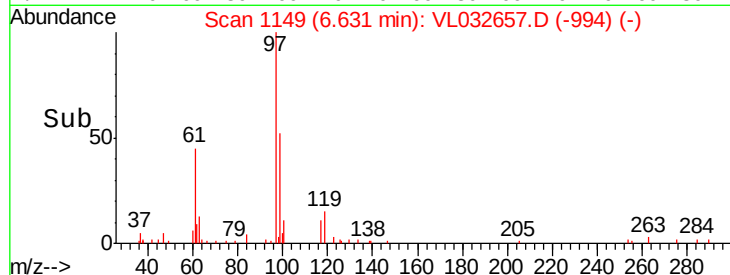
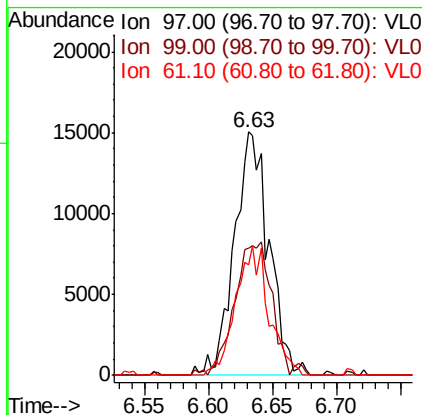
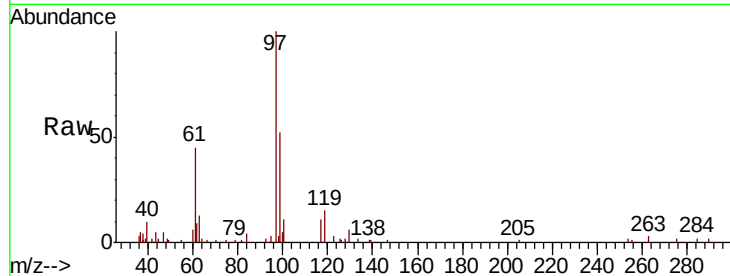
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	28283
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.0	78.0#
61	50.9	40.7	61.1

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

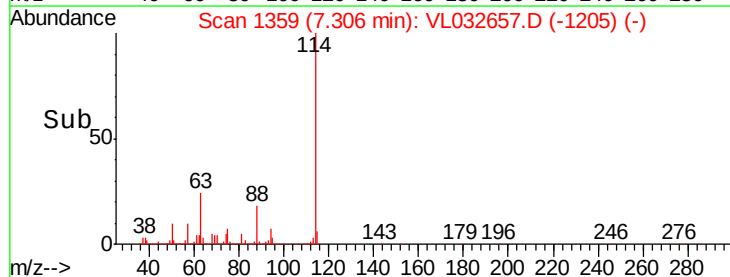
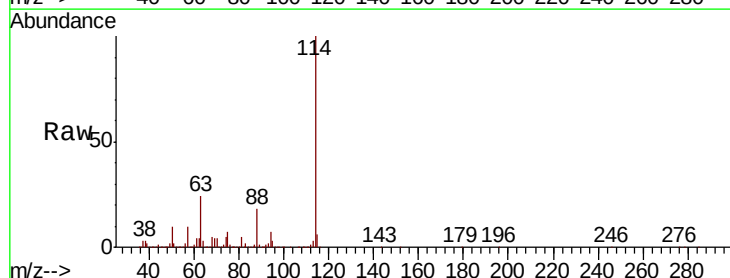
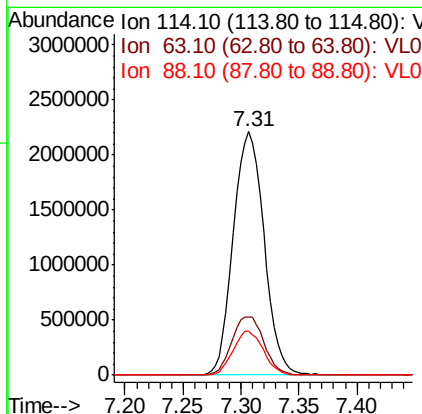
RT: 7.31 min Scan# 1359

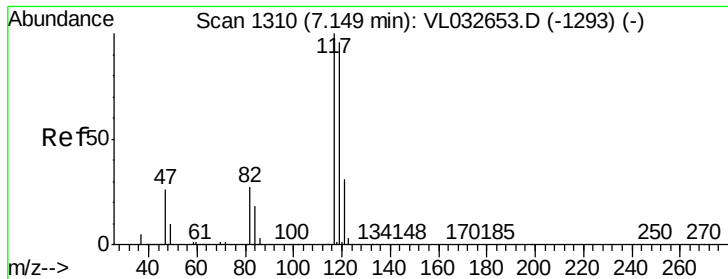
Delta R.T. -0.00 min

Lab File: VL032657.D

Acq: 18 Oct 2018 18:40

Tgt Ion:	114	Resp:	4080694
Ion Ratio	Lower	Upper	
114	100		
63	25.1	21.7	32.5
88	17.8	14.9	22.3





#35

Carbon Tetrachloride

Concen: 0.092 ppbv

RT: 7.15 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL032657.D

Acq: 18 Oct 2018 18:40

Instrument :

MSVOA_L

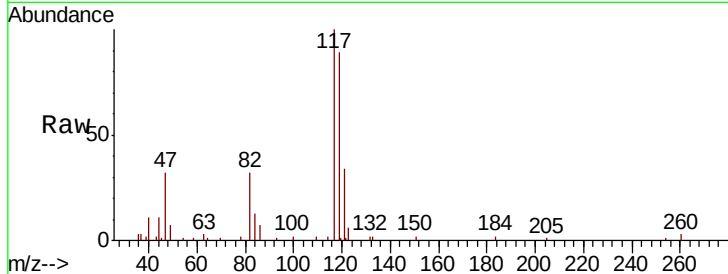
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	28943
Ion Ratio	Lower	Upper	
117	100		
119	89.8	75.7	113.5
121	35.3	24.7	37.1

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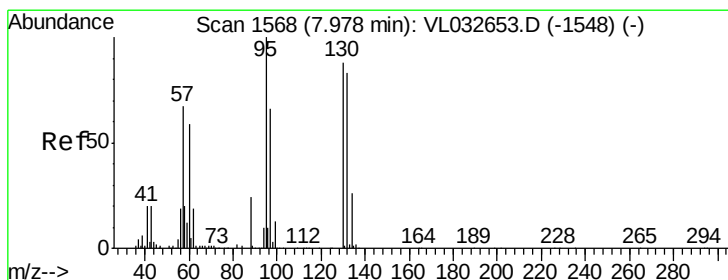
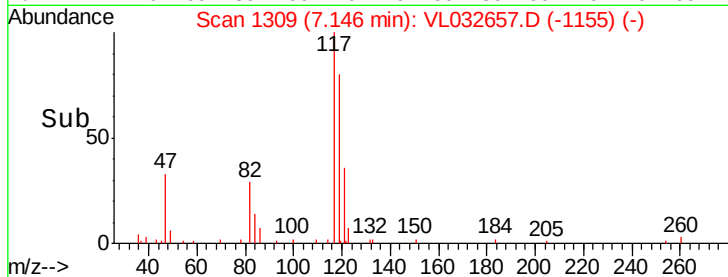
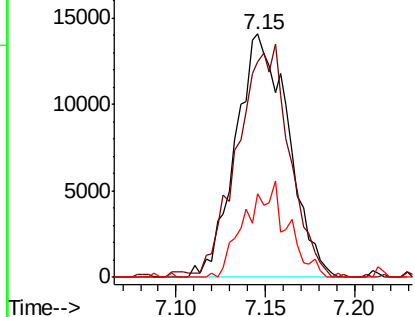


Abundance

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: 0.083 ppbv m

RT: 7.98 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VL032657.D

Acq: 18 Oct 2018 18:40

Tgt Ion:	130	Resp:	10293
Ion Ratio	Lower	Upper	
130	100		
95	124.8	93.4	140.0
132	68.2	76.5	114.7#
97	86.7	60.2	90.2

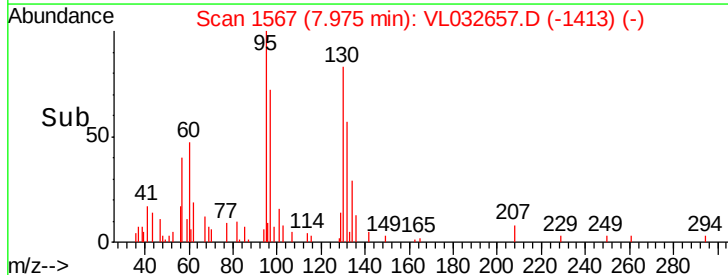
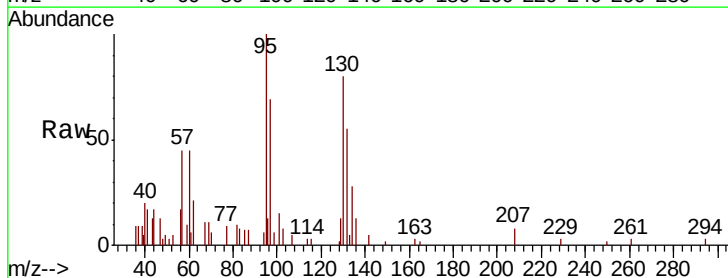
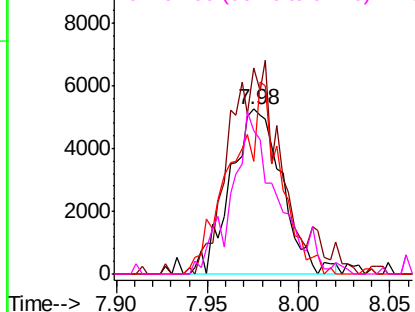
Abundance

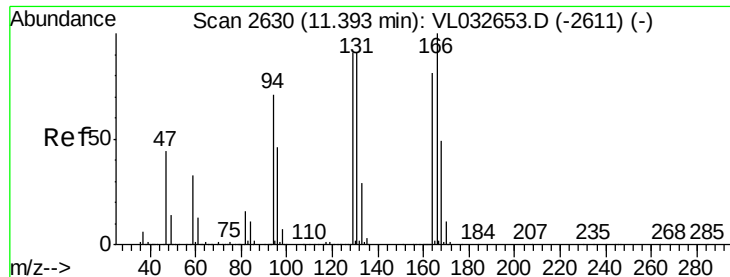
Ion 130.00 (129.70 to 130.70): V

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





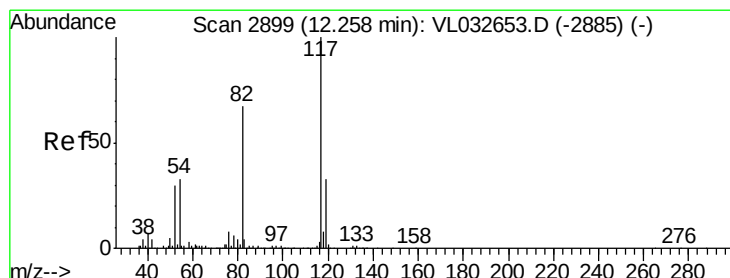
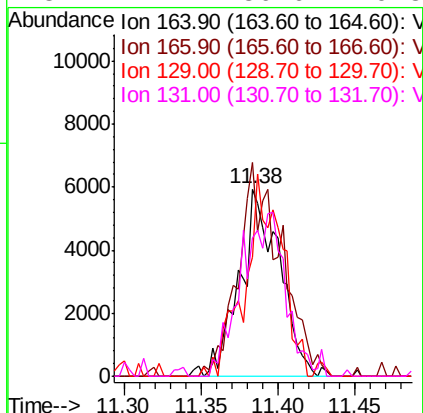
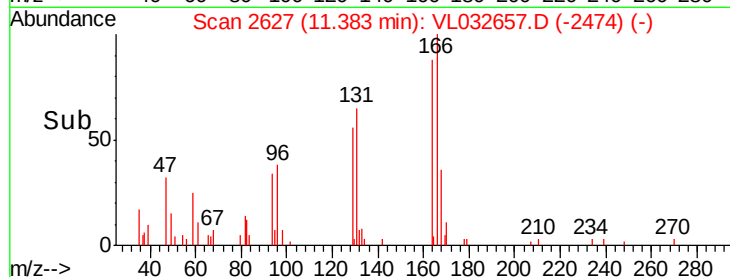
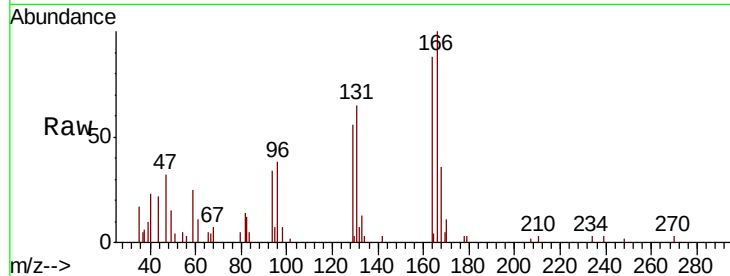
#52
Tetrachloroethene
Concen: 0.099 ppbv m
RT: 11.38 min Scan# 2627
Delta R.T. -0.01 min
Lab File: VL032657.D
Acq: 18 Oct 2018 18:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	114.1	100.5	150.7
129	63.6	90.0	135.0#
131	74.1	86.6	129.8#

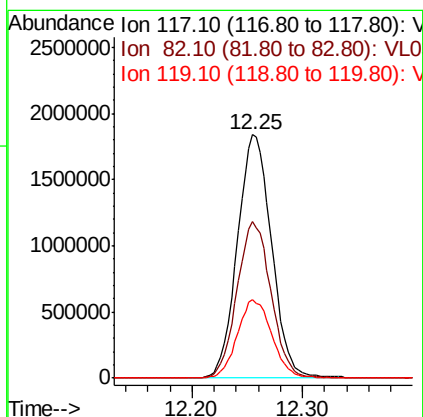
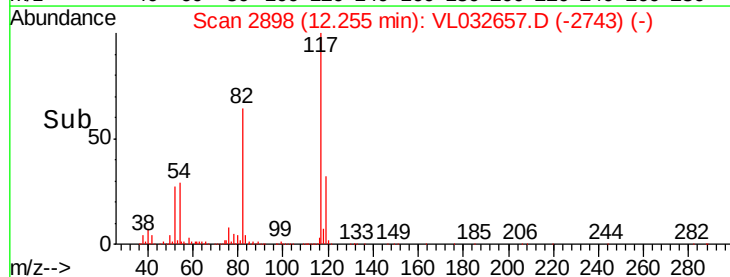
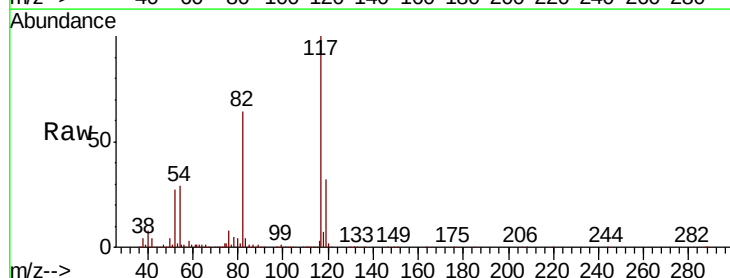
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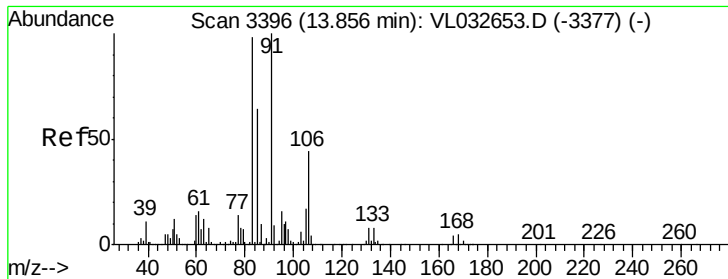
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032657.D
Acq: 18 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.5	52.7	79.1
119	32.7	26.7	40.1





#63

1,1,2,2-Tetrachloroethane

Concen: 0.085 ppbv m

RT: 13.85 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL032657.D

Acq: 18 Oct 2018 18:40

Instrument :

MSVOA_L

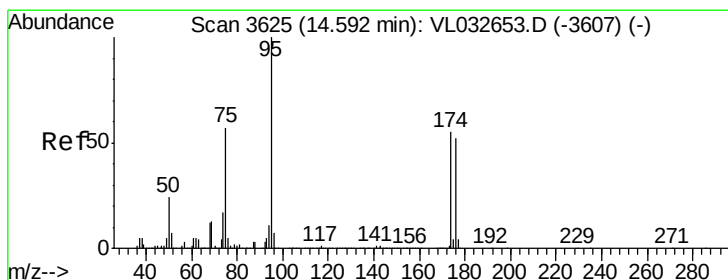
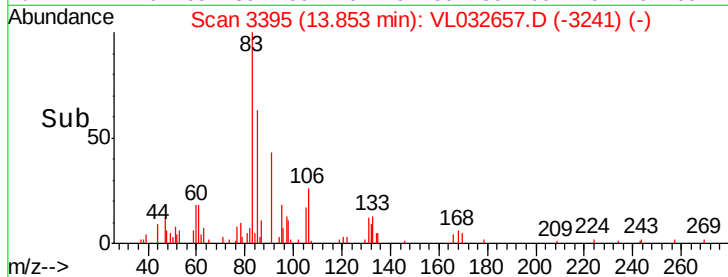
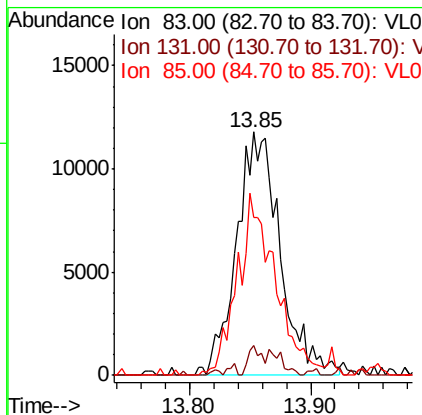
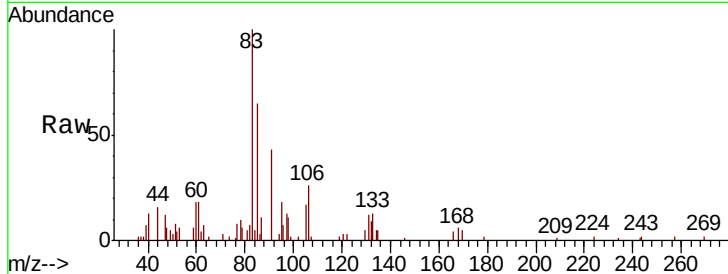
ClientSampleId :

VSTDIC0.1

Tot Ion:	83	Resp:	29751
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.3	12.9
85	66.6	32.3	96.9

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.938 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL032657.D

Acq: 18 Oct 2018 18:40

Tgt Ion:	95	Resp:	2955810
Ion Ratio	Lower	Upper	
95	100		
174	64.3	46.0	69.0
175	4.6	3.4	5.0

