

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050119\
 Data File : VL033618.D
 Acq On : 1 May 2019 14:30
 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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 5/2/2019 4:04:02 PM

Quant Time: May 02 05:28:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 05:28:56 2019
 QLast Update : Thu May 02 04:03:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1073338	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2518555	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2585835	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2124519	10.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.28	62	7986	0.109	ppbv #	81
32) 1,1,1-Trichloroethane	6.62	97	19613m	0.098	ppbv	
35) Carbon Tetrachloride	7.12	117	19983	0.100	ppbv #	95
38) Trichloroethene	7.95	130	7723m	0.090	ppbv	
52) Tetrachloroethene	11.36	164	7193m	0.087	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.82	83	20554	0.100	ppbv	96

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

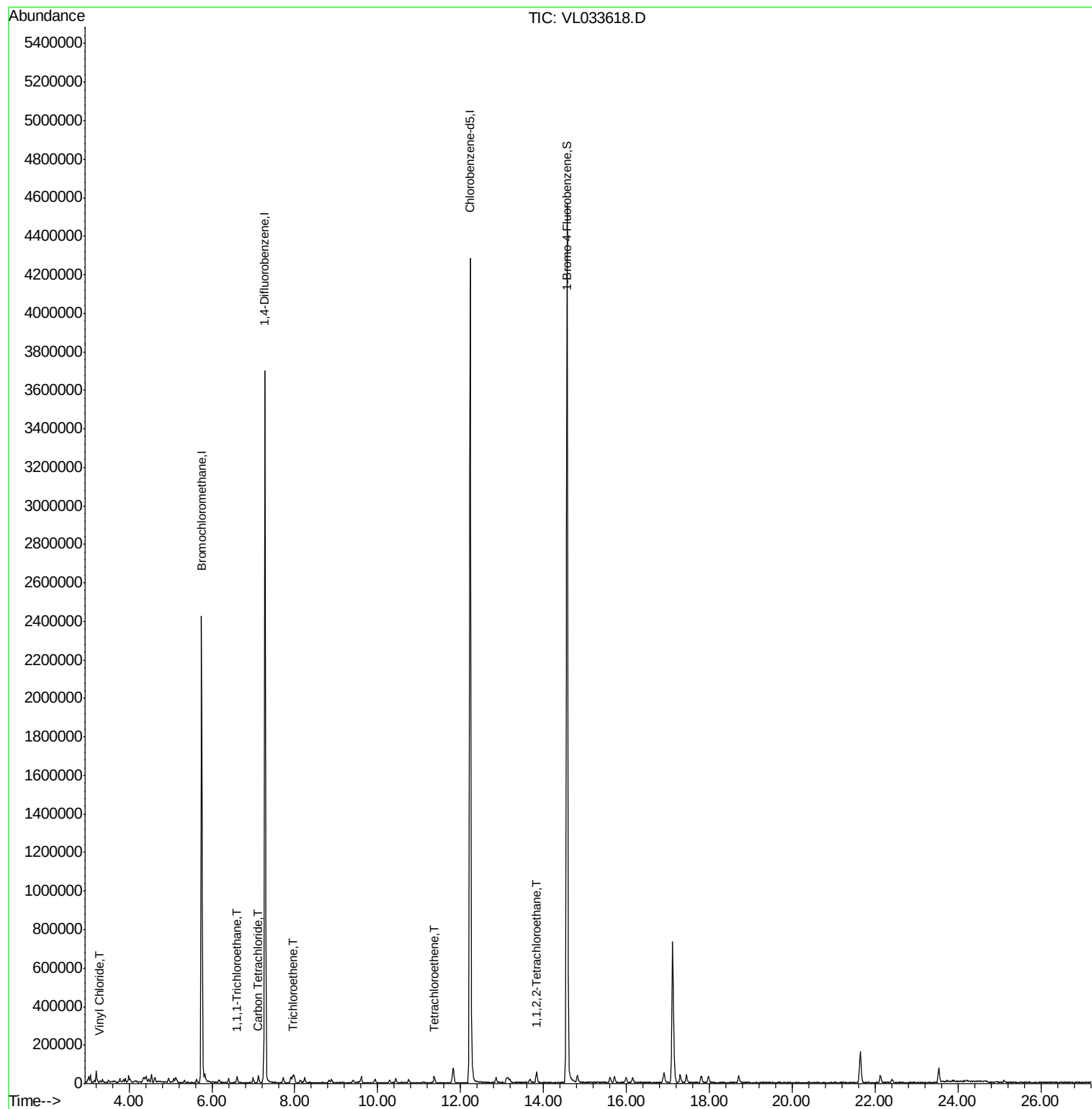
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050119\
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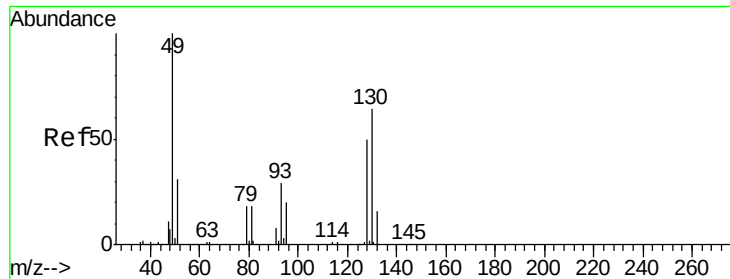
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

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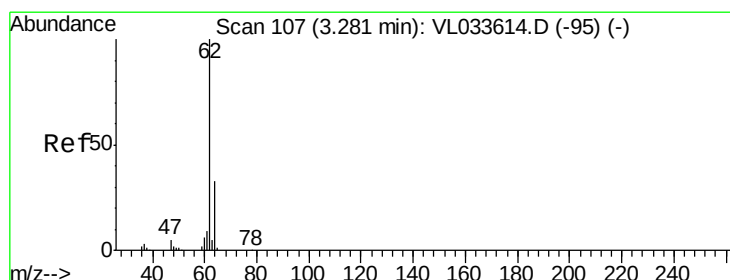
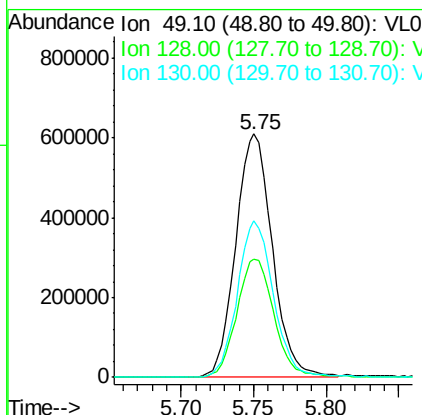
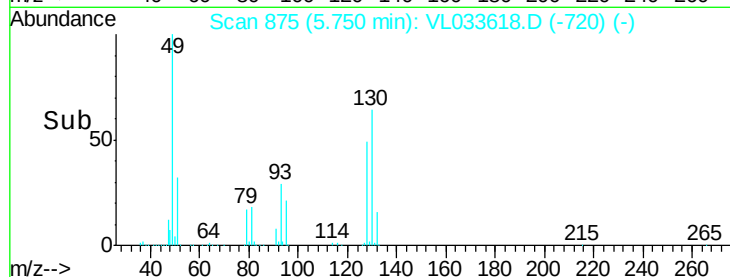
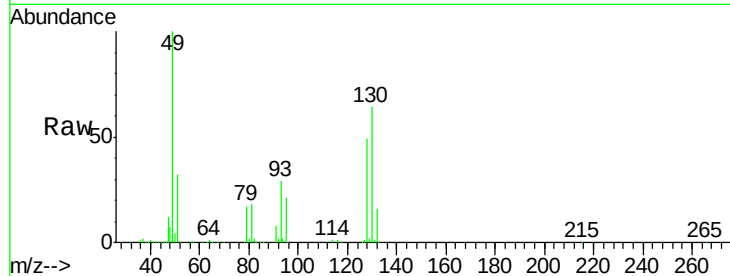
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion:	49	Resp:	1073338
Ion	Ratio	Lower	Upper
49	100		
128	49.3	25.0	75.0
130	64.0	31.9	95.9

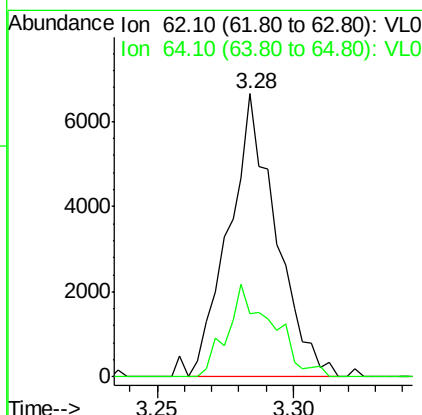
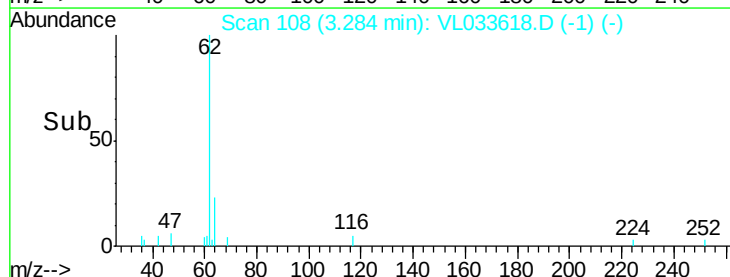
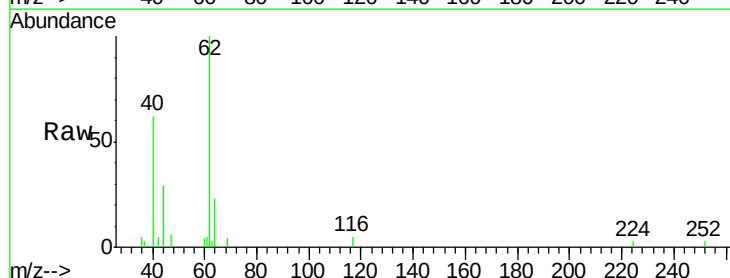
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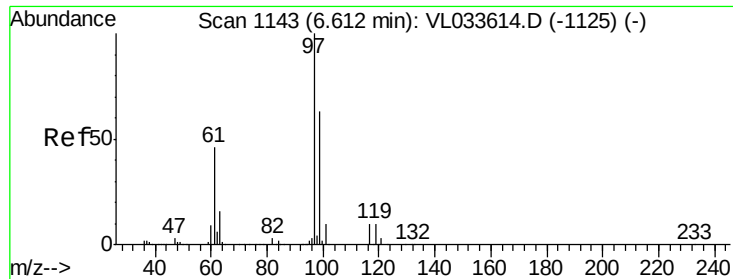
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#5
 Vinyl Chloride
 Concen: 0.109 ppbv
 RT: 3.28 min Scan# 108
 Delta R.T. 0.00 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

Tgt Ion:	62	Resp:	7986
Ion	Ratio	Lower	Upper
62	100		
64	22.2	26.2	39.4#





#32

1,1,1-Trichloroethane

Concen: 0.098 ppbv m

RT: 6.62 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

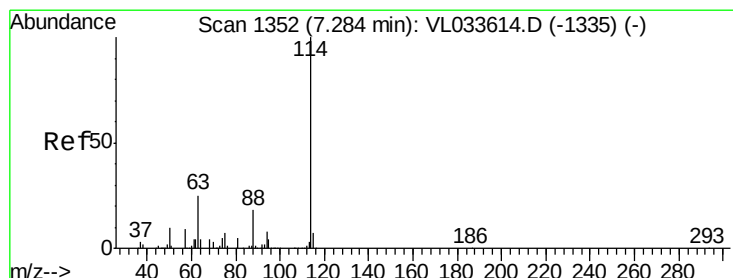
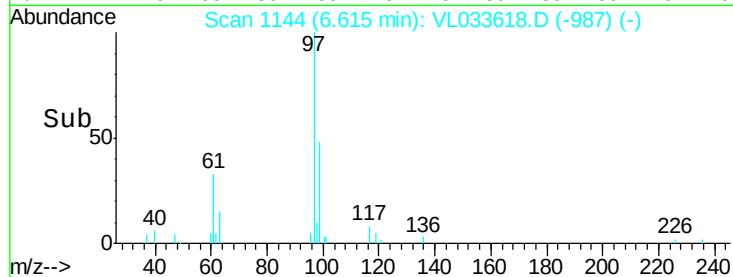
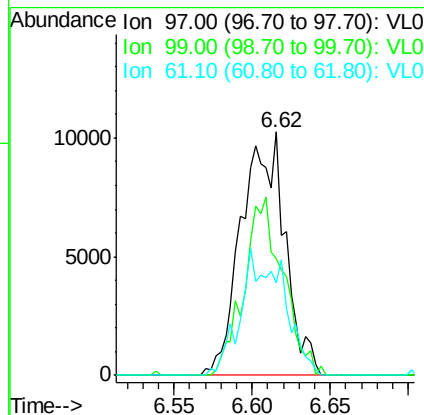
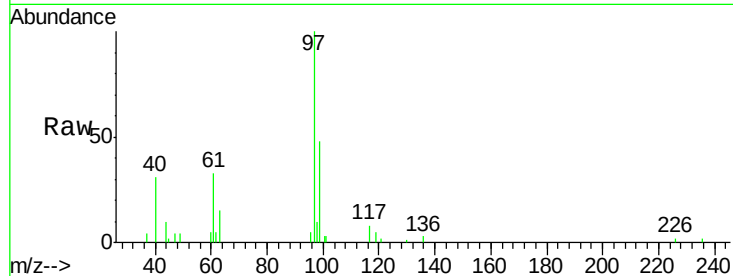
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	19613
Ion Ratio	Lower	Upper	
97	100		
99	66.0	51.9	77.9
61	0.0	38.2	57.2#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

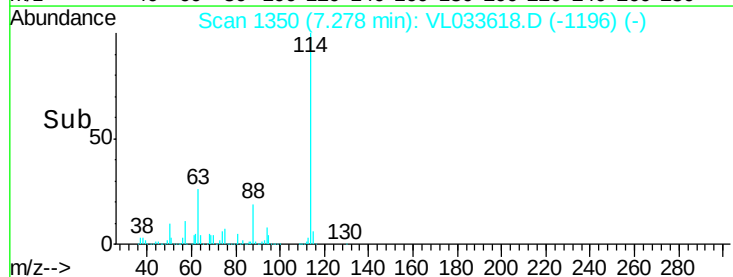
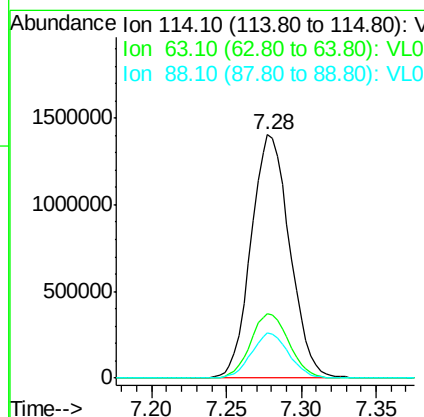
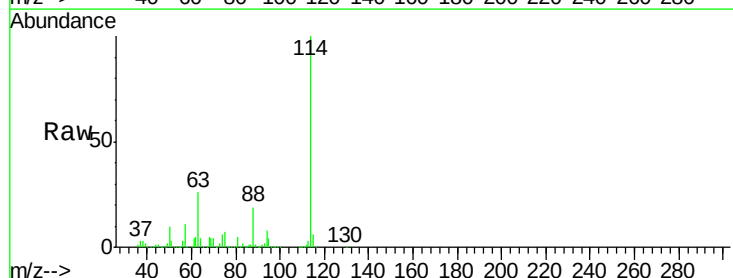
RT: 7.28 min Scan# 1350

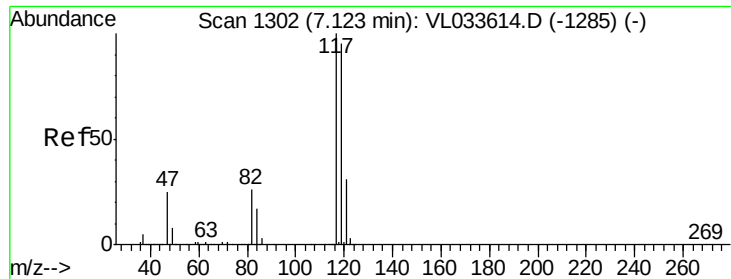
Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Tgt Ion:	114	Resp:	2518555
Ion Ratio	Lower	Upper	
114	100		
63	26.6	21.1	31.7
88	18.0	14.2	21.4





#35

Carbon Tetrachloride

Concen: 0.100 ppbv

RT: 7.12 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:117 Resp: 19983

Ion Ratio Lower Upper

117 100

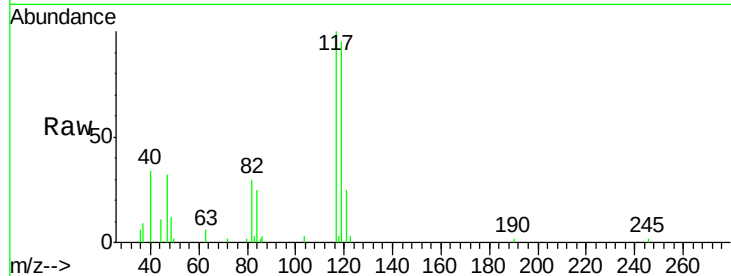
119 92.2 76.2 114.4

121 24.6 24.9 37.3#

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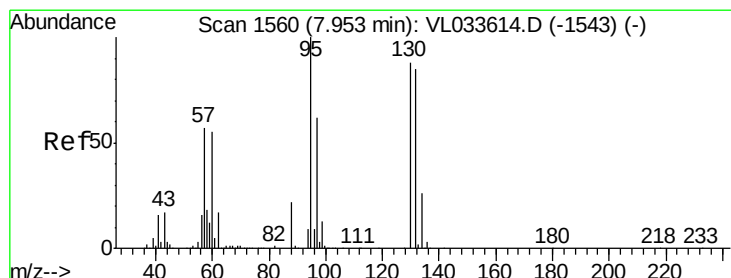
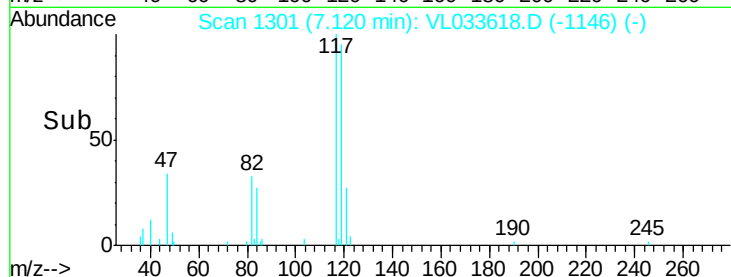
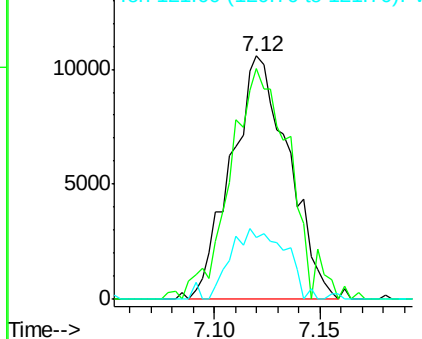
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.090 ppbv m

RT: 7.95 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Tgt Ion:130 Resp: 7723

Ion Ratio Lower Upper

130 100

95 106.2 91.2 136.8

132 78.0 77.8 116.8

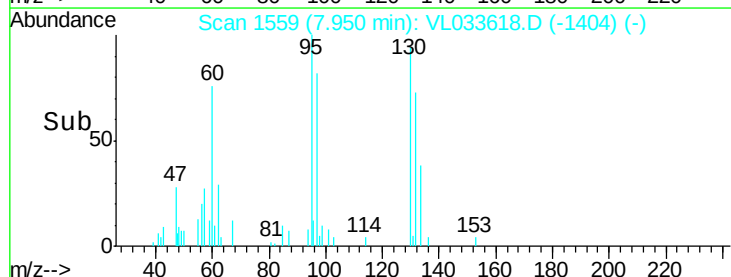
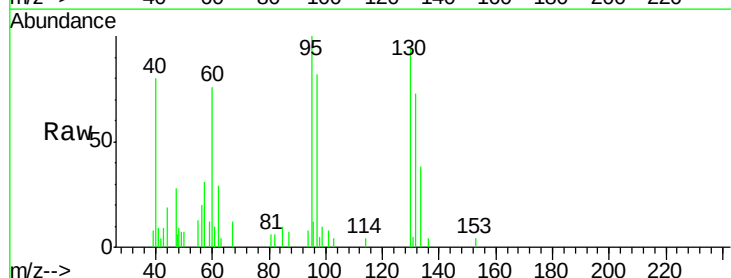
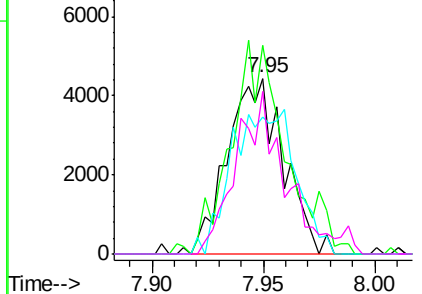
97 87.2 56.4 84.6#

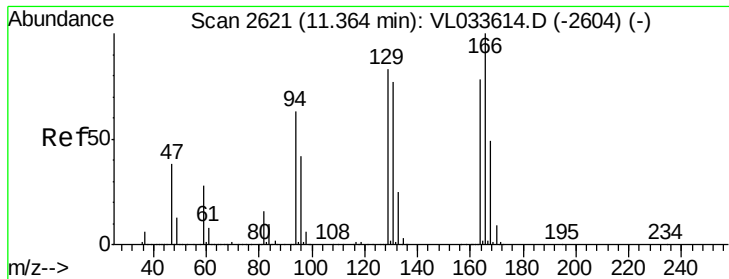
Abundance Ion 130.00 (129.70 to 130.70): V

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





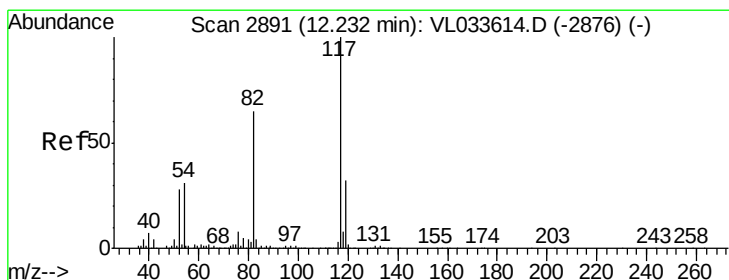
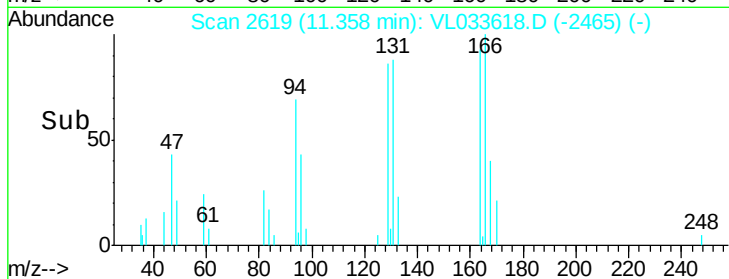
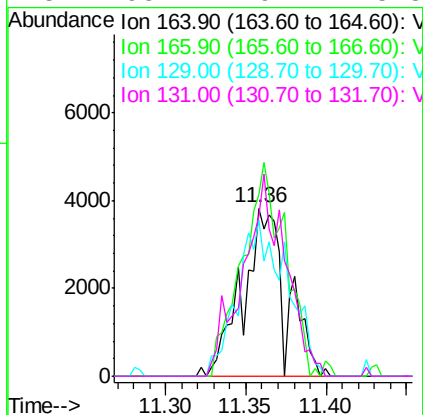
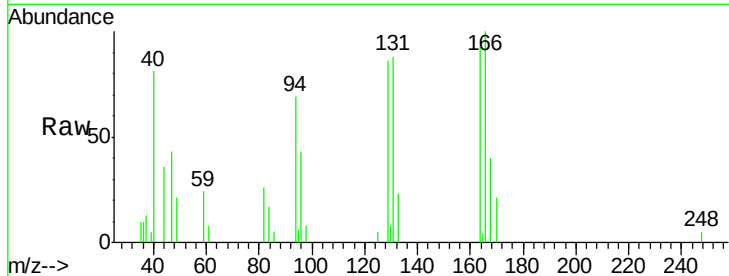
#52
Tetrachloroethene
Concen: 0.087 ppbv m
RT: 11.36 min Scan# 2619
Delta R.T. -0.01 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	107.8	102.2	153.4
129	92.6	84.4	126.6
131	95.4	79.2	118.8

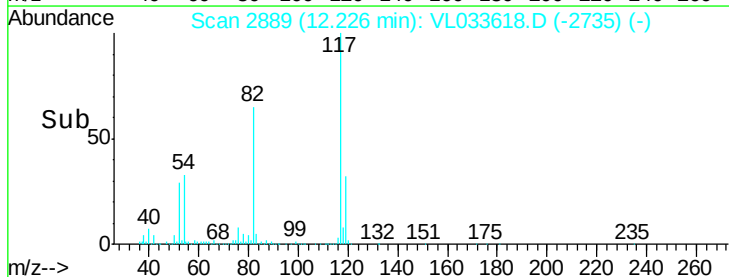
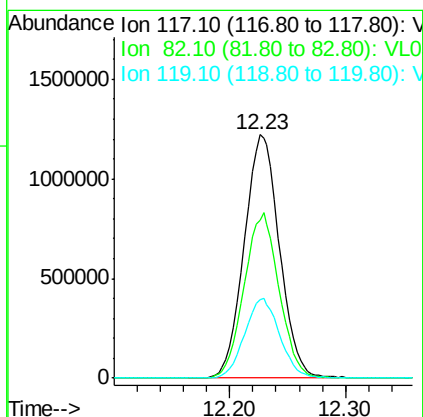
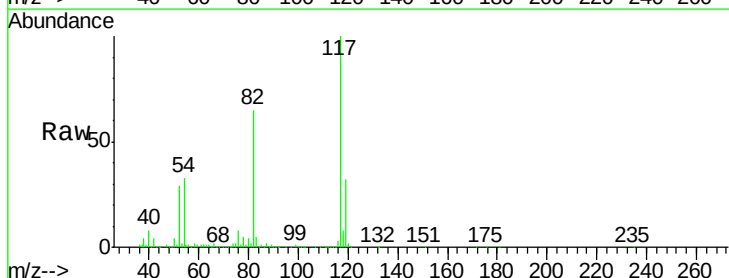
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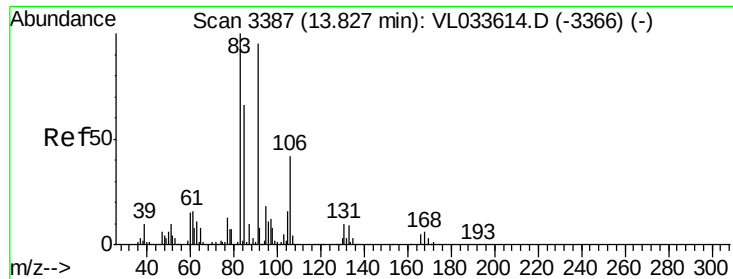
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.7	52.6	78.8
119	32.8	28.3	42.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.100 ppbv

RT: 13.82 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

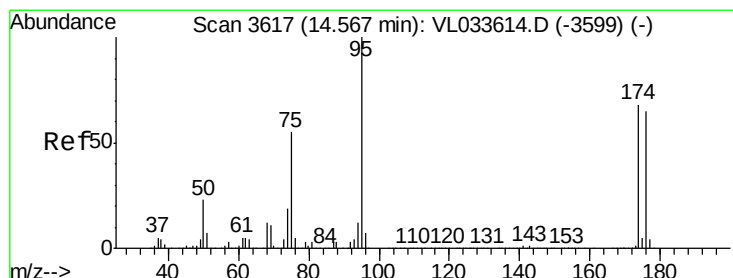
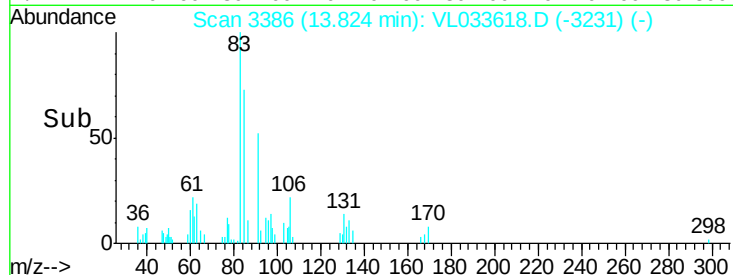
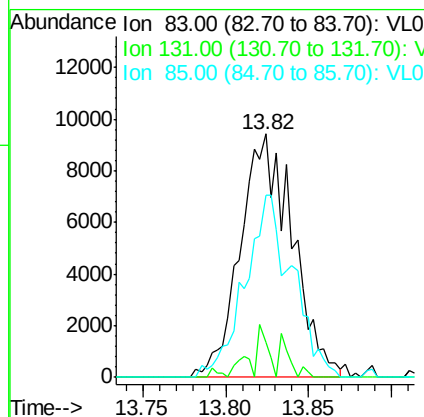
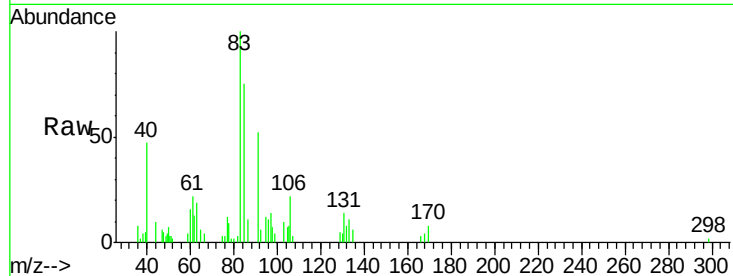
ClientSampleId :

VSTDIC0.1

Tot Ion:	83	Resp:	20554
Ion Ratio	Lower	Upper	
83	100		
131	10.7	4.8	14.4
85	67.9	32.3	96.8

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.713 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Tgt Ion:	95	Resp:	2124519
Ion Ratio	Lower	Upper	
95	100		
174	66.4	53.9	80.9
175	4.6	4.0	6.0

