

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033993.D
 Acq On : 2 Jul 2019 16:12
 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: Jul 02 16:50:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 16:50:34 2019
 QLast Update : Tue Jul 02 16:27:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1014468	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2750790	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2546318	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2067826	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.28	62	7755m	0.123	ppbv	
32) 1,1,1-Trichloroethane	6.58	97	20792m	0.123	ppbv	
35) Carbon Tetrachloride	7.09	117	21930m	0.103	ppbv	
38) Trichloroethene	7.93	130	8146m	0.100	ppbv	
52) Tetrachloroethene	11.34	164	10818m	0.146	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.81	83	21585m	0.106	ppbv	

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

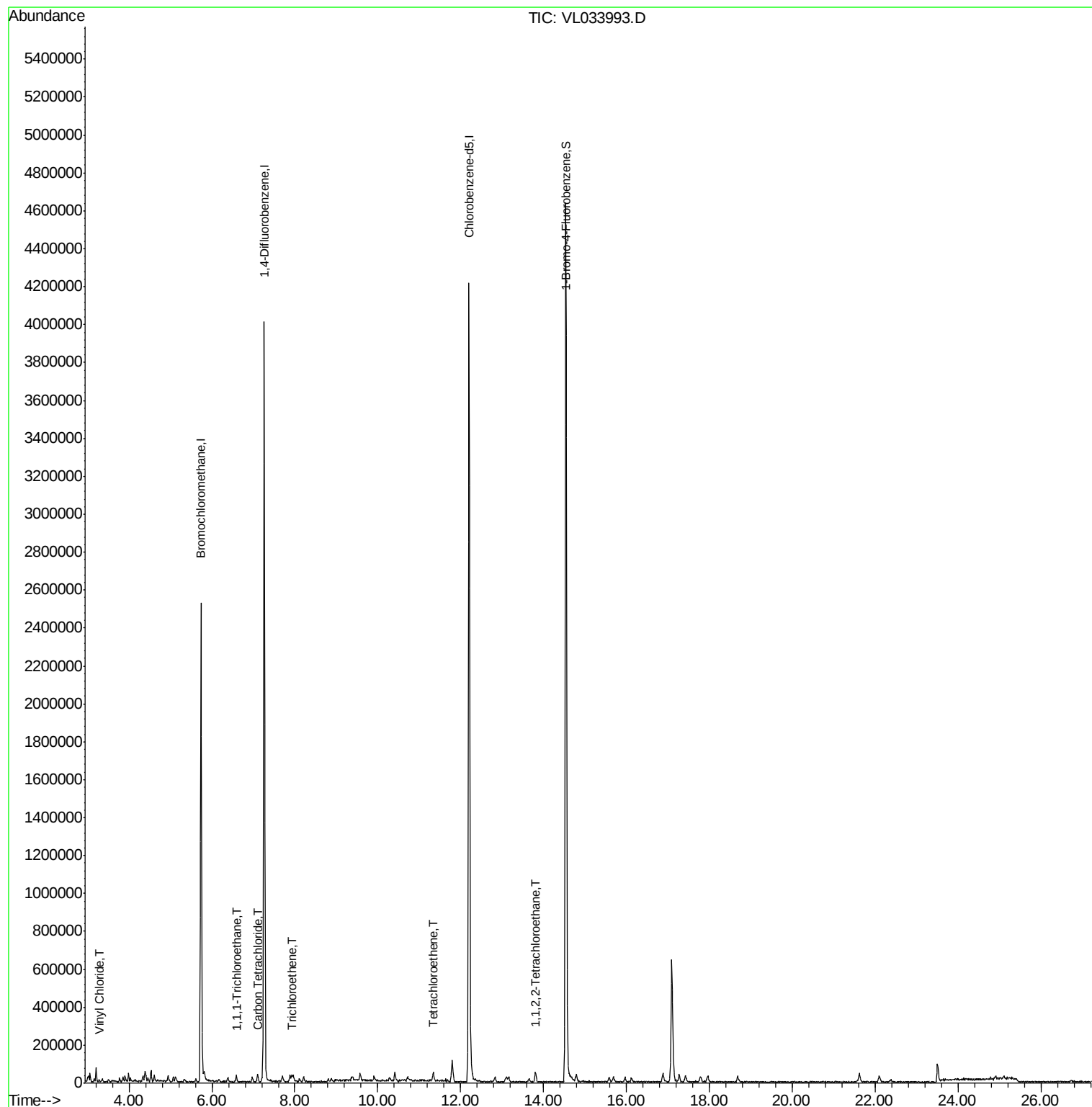
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070219\
Data File : VL033993.D
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Misc : 400ml/MSVOA L
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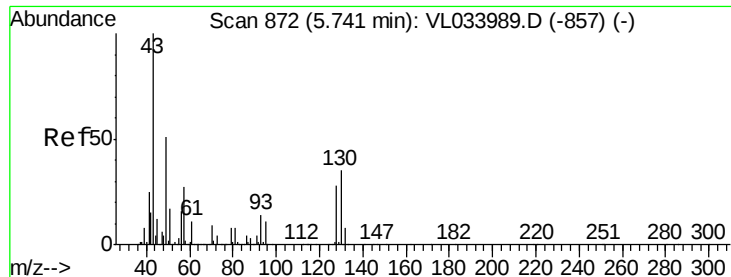
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Manual Integrations
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Quant Time: Jul 02 16:50:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul
QLast Update : Tue Jul 02 16:27:55 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 870

Delta R.T. -0.01 min

Lab File: VL033993.D

Acq: 2 Jul 2019 16:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCO.1

Tot Ion: 49 Resp: 1014468

Ion Ratio Lower Upper

49 100

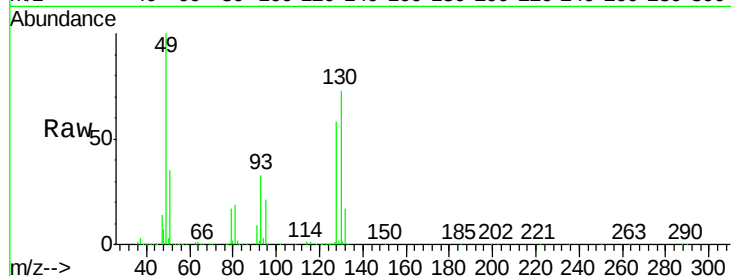
128 58.5 27.9 83.6

130 76.0 35.8 107.4

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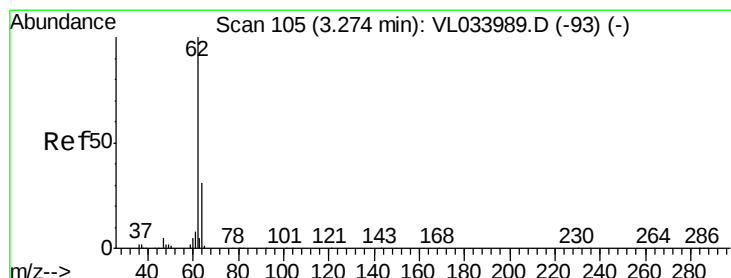
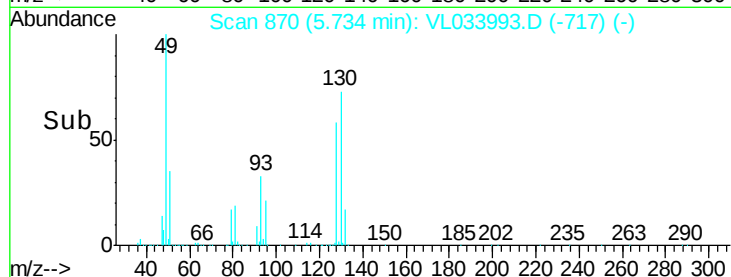
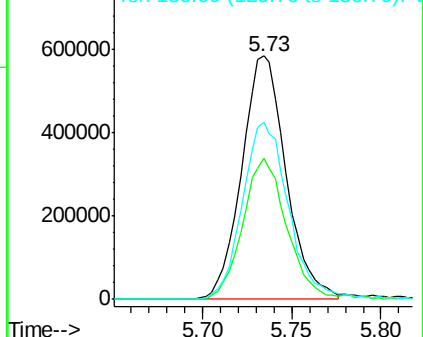
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.123 ppbv m

RT: 3.28 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL033993.D

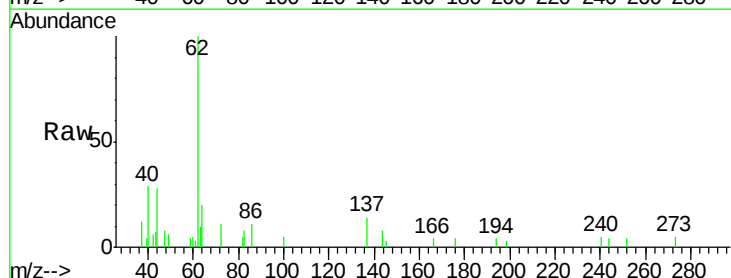
Acq: 2 Jul 2019 16:12

Tgt Ion: 62 Resp: 7755

Ion Ratio Lower Upper

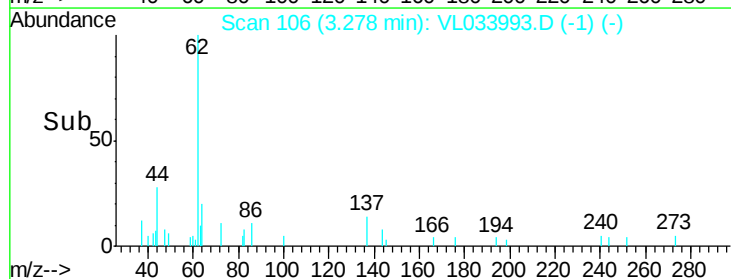
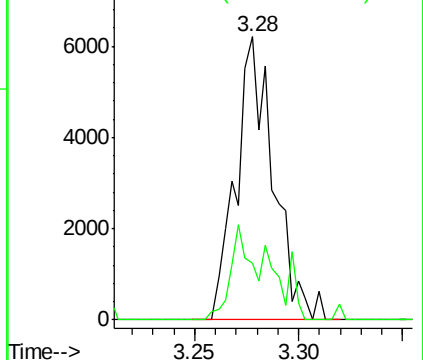
62 100

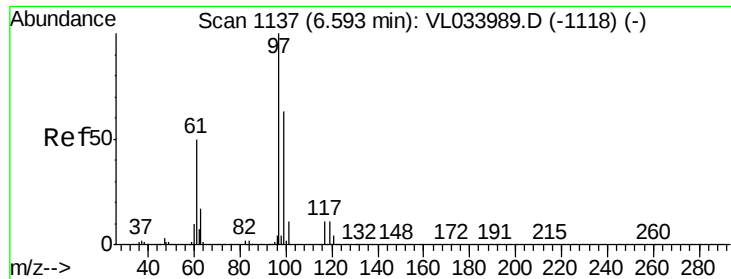
64 20.0 24.4 36.6#



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: 0.123 ppbv m

RT: 6.58 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VL033993.D

Acq: 2 Jul 2019 16:12

Instrument :

MSVOA_L

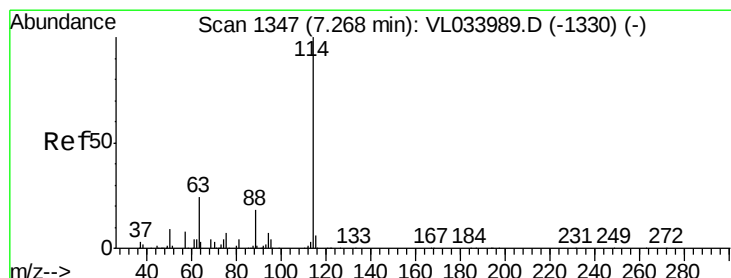
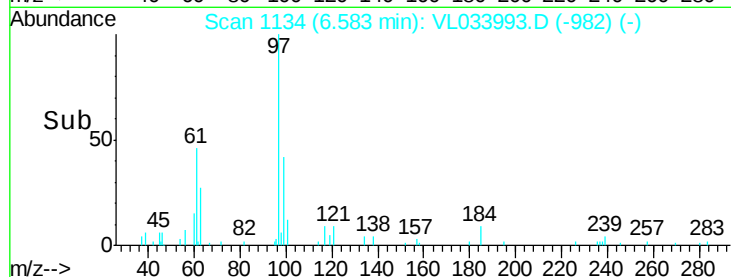
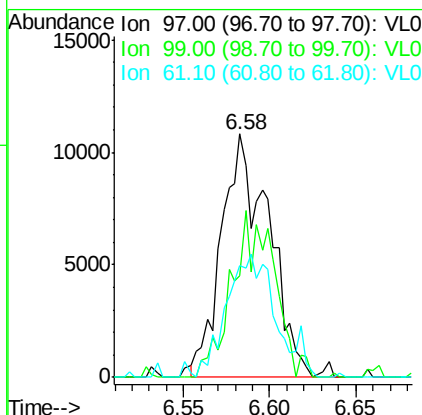
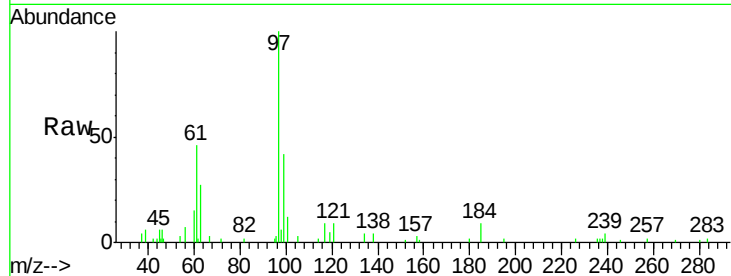
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	20792
Ion Ratio	Lower	Upper	
97	100		
99	61.6	51.9	77.9
61	53.9	39.8	59.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

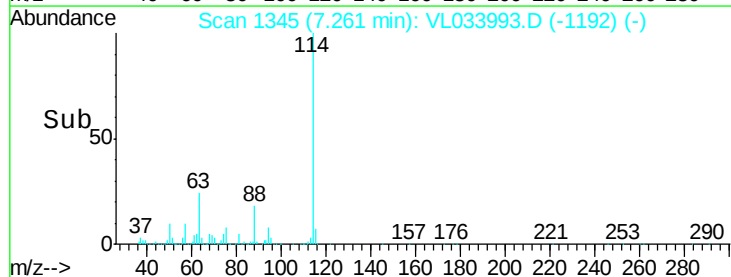
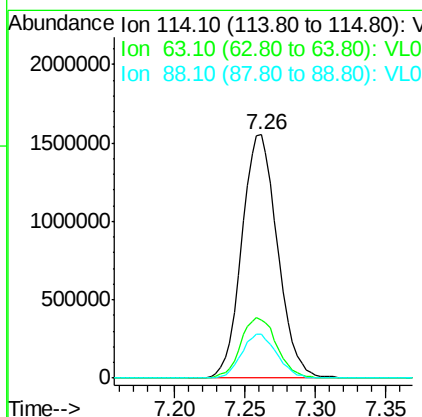
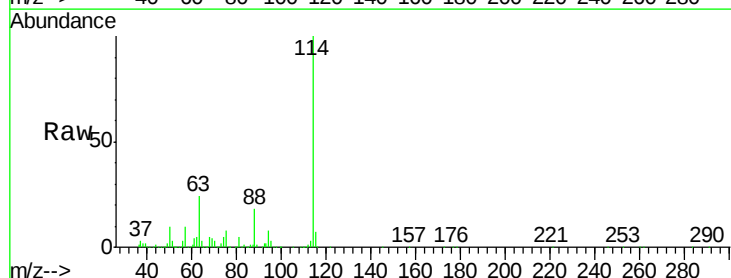
RT: 7.26 min Scan# 1345

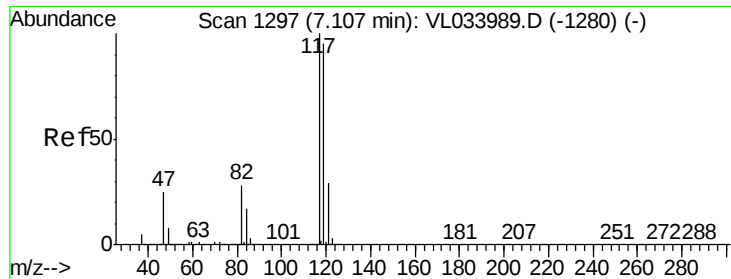
Delta R.T. -0.01 min

Lab File: VL033993.D

Acq: 2 Jul 2019 16:12

Tgt Ion:	114	Resp:	2750790
Ion Ratio	Lower	Upper	
114	100		
63	25.3	20.2	30.2
88	18.0	14.1	21.1





#35

Carbon Tetrachloride

Concen: 0.103 ppbv m

RT: 7.09 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VL033993.D

Acq: 2 Jul 2019 16:12

Instrument :

MSVOA_L

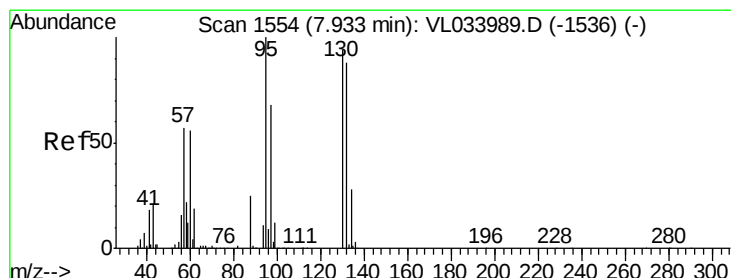
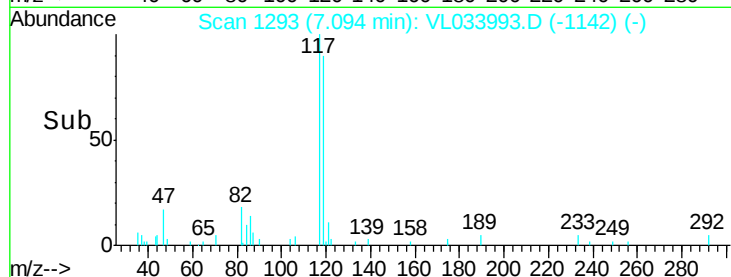
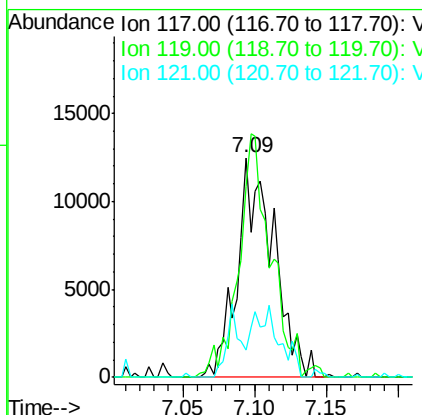
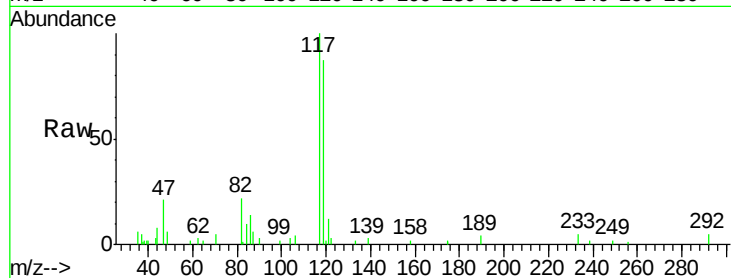
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	21930
Ion Ratio	Lower	Upper	
117	100		
119	87.0	75.8	113.6
121	12.2	23.4	35.2#

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#38

Trichloroethene

Concen: 0.100 ppbv m

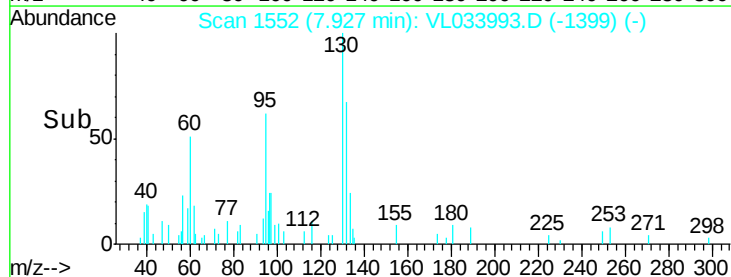
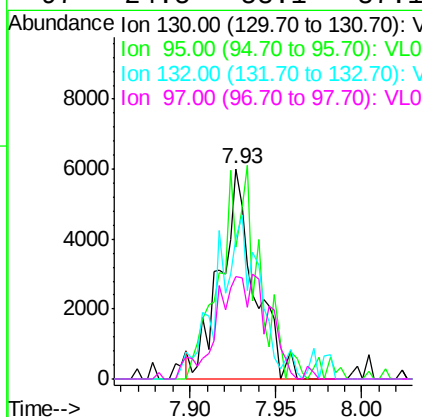
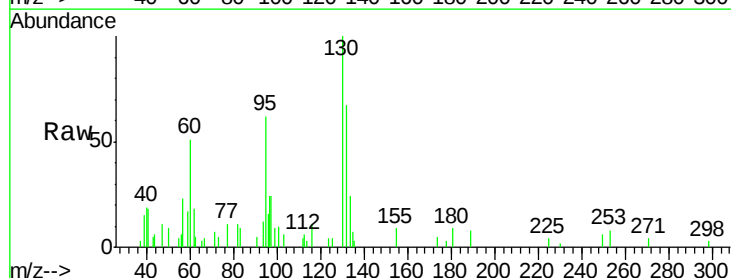
RT: 7.93 min Scan# 1552

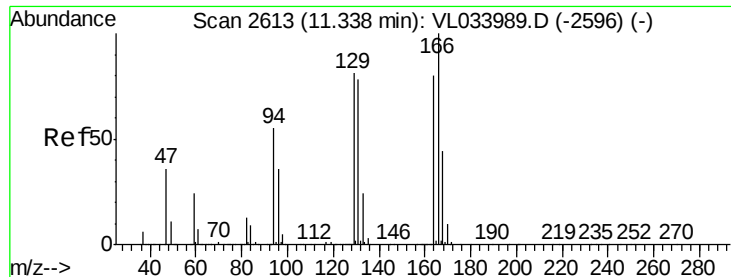
Delta R.T. -0.01 min

Lab File: VL033993.D

Acq: 2 Jul 2019 16:12

Tgt Ion:	130	Resp:	8146
Ion Ratio	Lower	Upper	
130	100		
95	62.4	85.5	128.3#
132	66.9	75.1	112.7#
97	24.5	58.1	87.1#





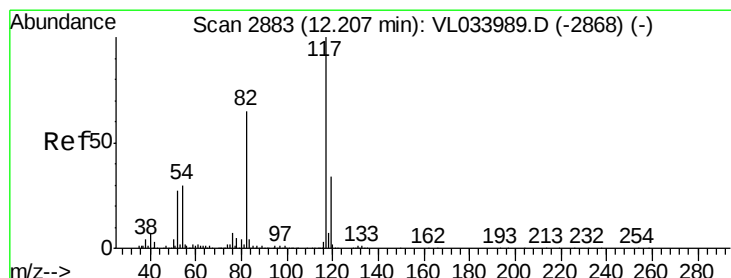
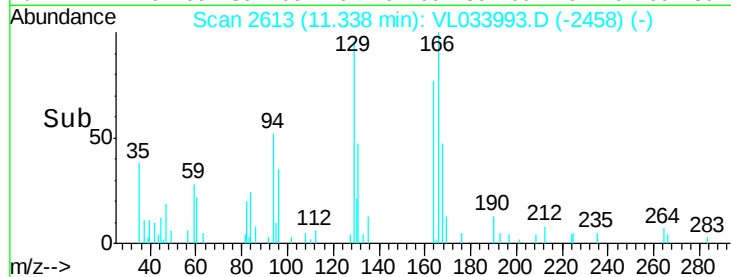
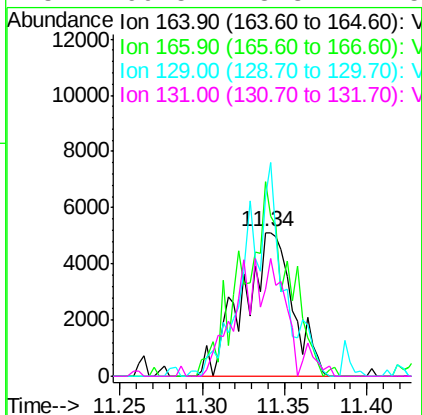
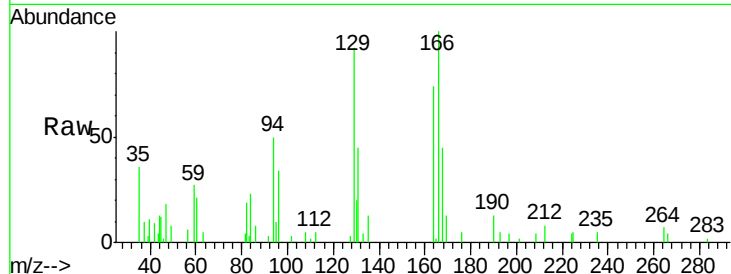
#52
Tetrachloroethene
Concen: 0.146 ppbv m
RT: 11.34 min Scan# 2613
Delta R.T. -0.00 min
Lab File: VL033993.D
Acq: 2 Jul 2019 16:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	135.0	100.2	150.2
129	124.3	81.0	121.6
131	60.5	78.3	117.5

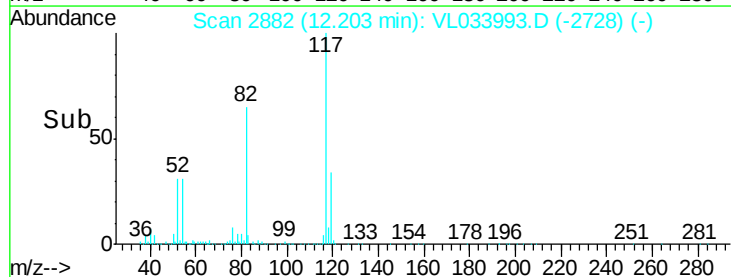
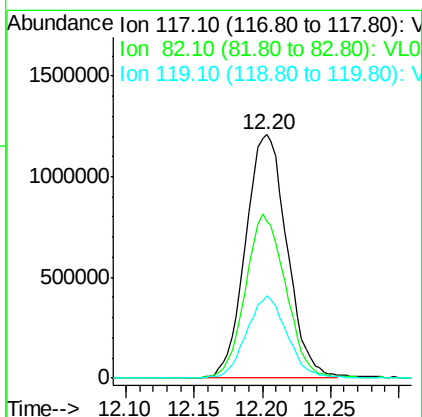
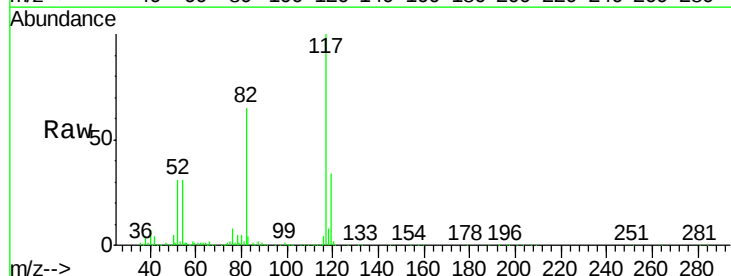
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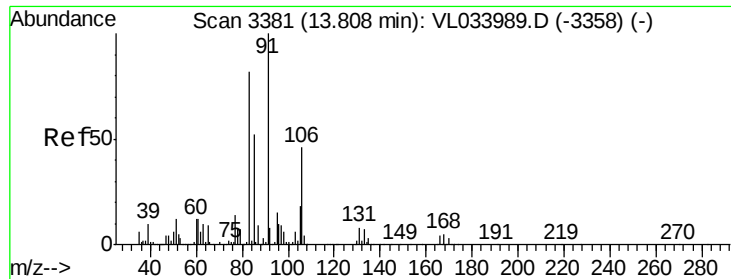
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2882
Delta R.T. -0.00 min
Lab File: VL033993.D
Acq: 2 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.2	50.8	76.2
119	33.2	24.0	36.0





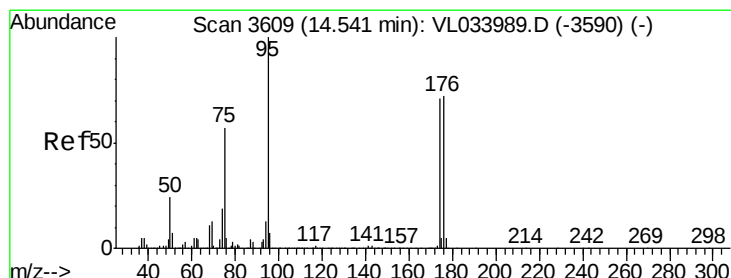
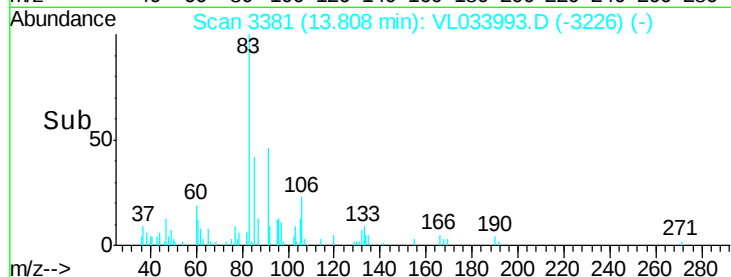
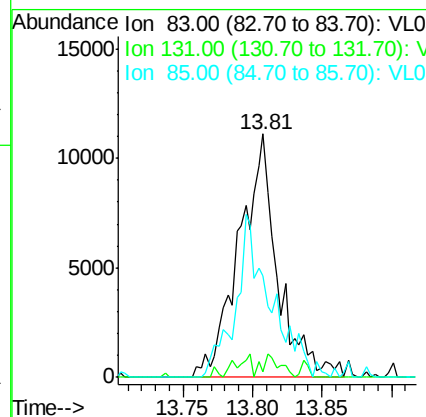
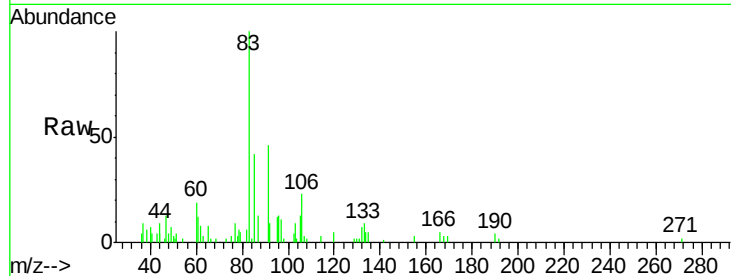
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.106 ppbv m
 RT: 13.81 min Scan# 3381
 Delta R.T. -0.00 min
 Lab File: VL033993.D
 Acq: 2 Jul 2019 16:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	0.0	32.8	98.3#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.887 ppbv
 RT: 14.54 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VL033993.D
 Acq: 2 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.7	60.5	90.7
175	5.0	4.0	6.0

