

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101619\
 Data File : VL034302.D
 Acq On : 16 Oct 2019 15:28
 Operator : SY/AP
 Sample : VSTDICC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
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Quant Time: Oct 16 17:12:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 16 16:52:05 2019
 QLast Update : Wed Oct 16 16:52:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1151875	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2186135	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2174563	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1895364	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.24	62	7810	0.108	ppbv	95
32) 1,1,1-Trichloroethane	6.54	97	16935m	0.101	ppbv	
35) Carbon Tetrachloride	7.05	117	17687m	0.097	ppbv	
38) Trichloroethene	7.89	130	8100m	0.094	ppbv	
52) Tetrachloroethene	11.29	164	9154m	0.115	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.75	83	22774m	0.096	ppbv	

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

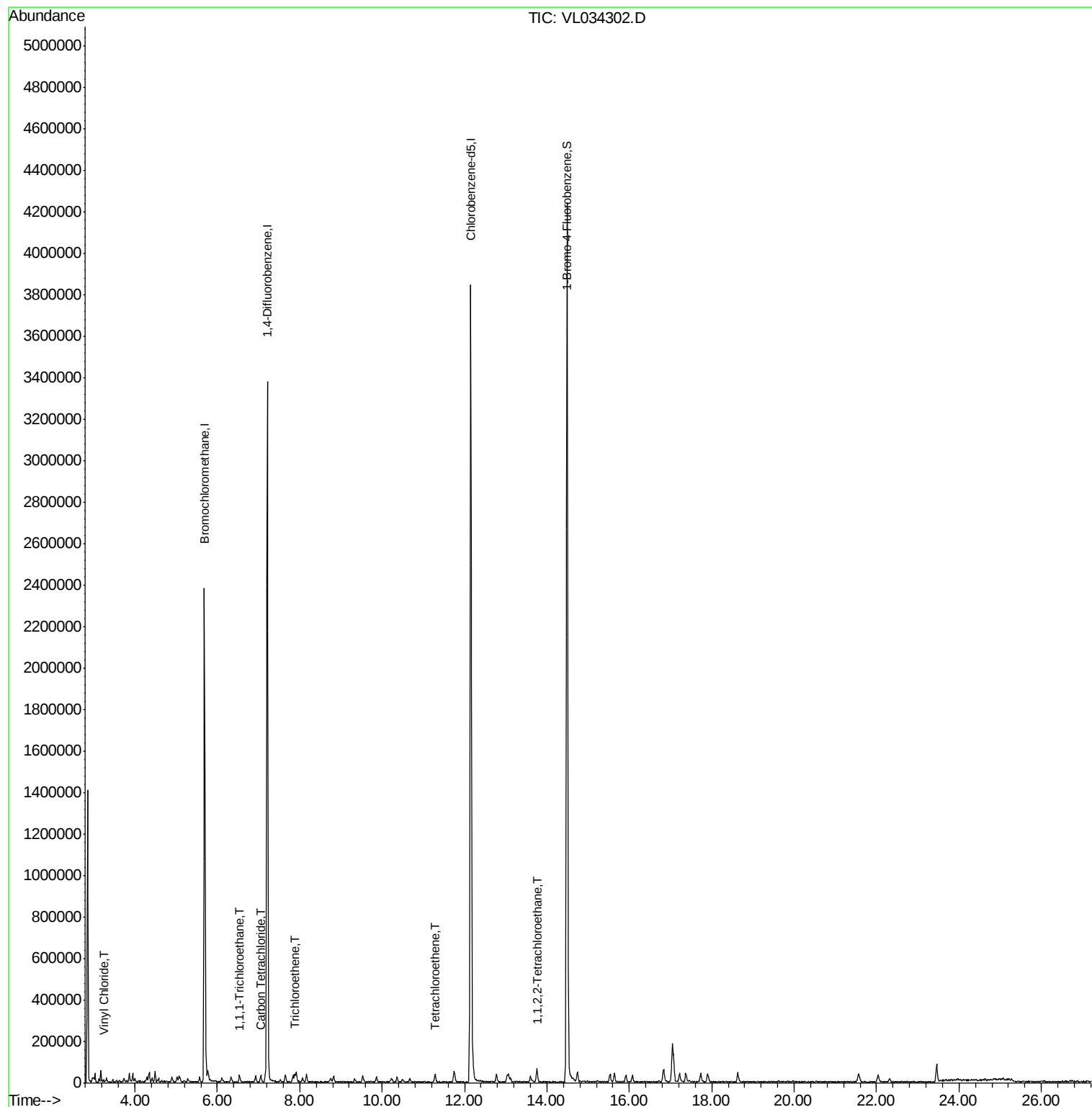
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101619\
Data File : VL034302.D
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Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

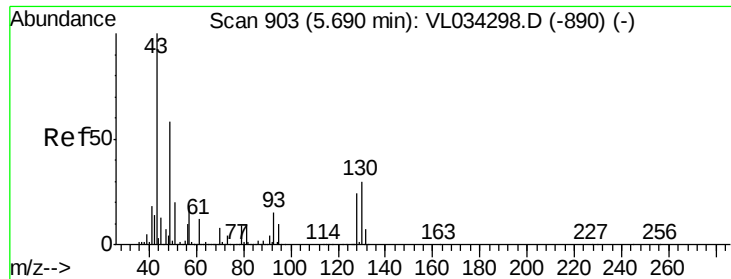
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Manual Integrations
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Quant Time: Oct 16 17:12:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct
QLast Update : Wed Oct 16 16:52:05 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034302.D

Acq: 16 Oct 2019 15:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1151875

Ion Ratio Lower Upper

49 100

128 41.9 20.6 61.8

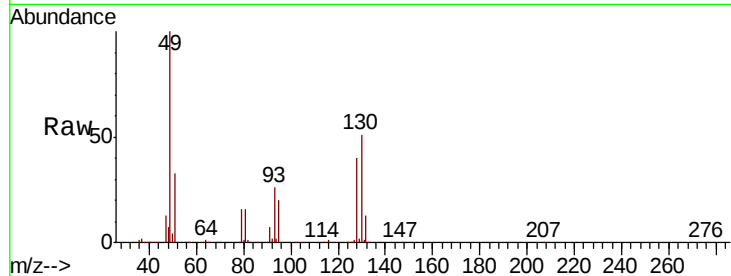
130 52.7 26.2 78.5

Manual Integrations

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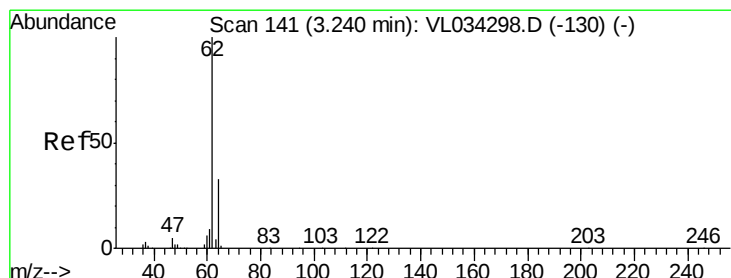
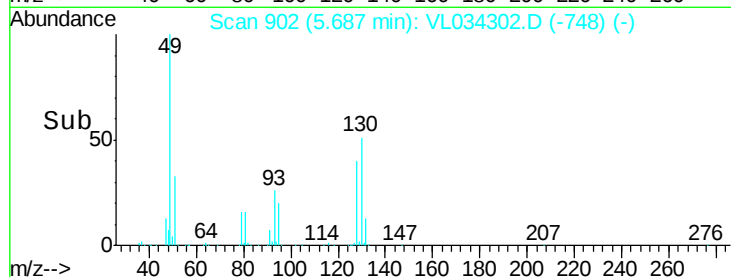
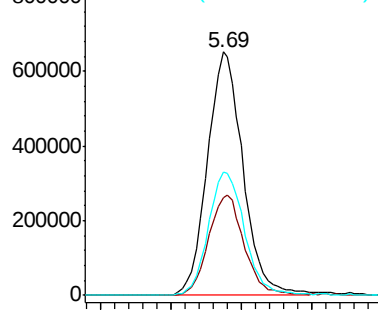
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.108 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL034302.D

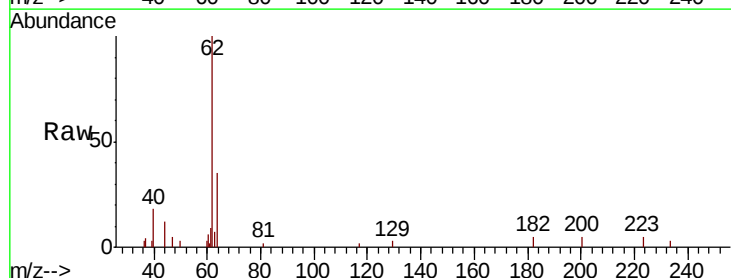
Acq: 16 Oct 2019 15:28

Tgt Ion: 62 Resp: 7810

Ion Ratio Lower Upper

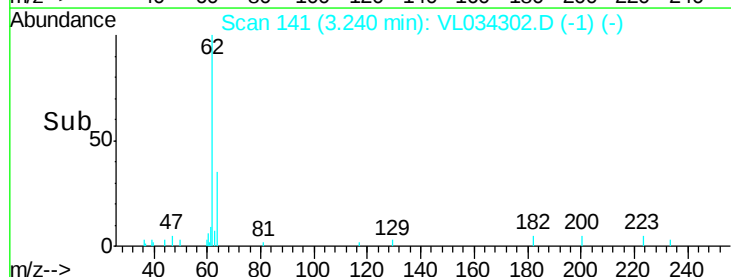
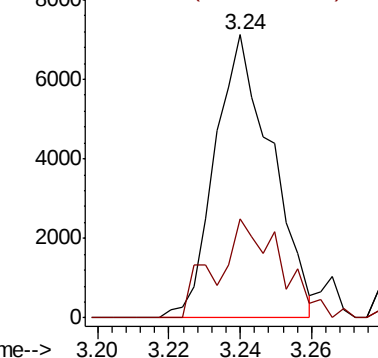
62 100

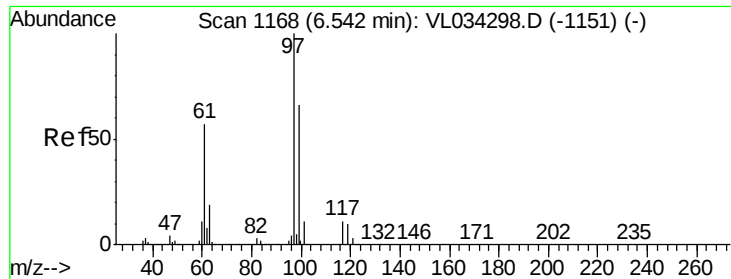
64 35.2 26.0 39.0



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: 0.101 ppbv m

RT: 6.54 min Scan# 1166

Delta R.T. -0.01 min

Lab File: VL034302.D

Acq: 16 Oct 2019 15:28

Instrument :

MSVOA_L

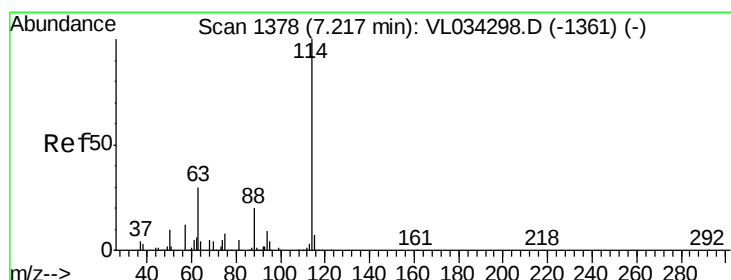
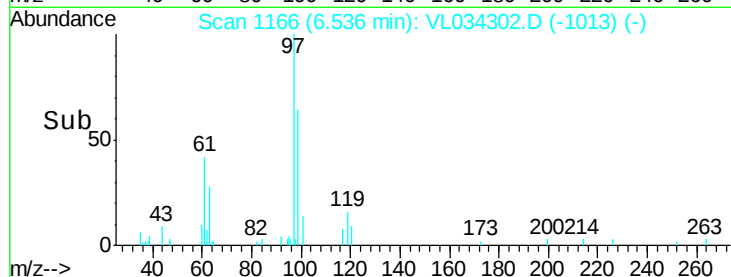
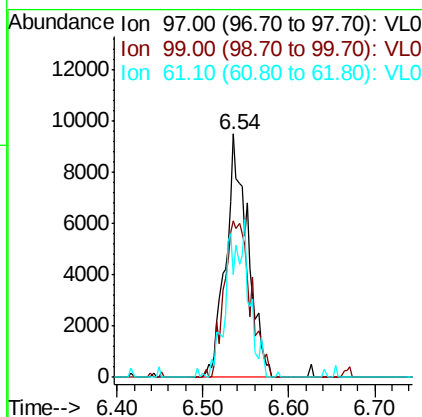
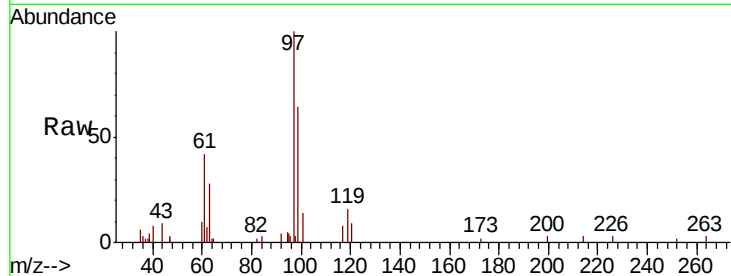
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	16935
Ion Ratio	Lower	Upper	
97	100		
99	76.9	52.6	78.8
61	65.5	44.5	66.7

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

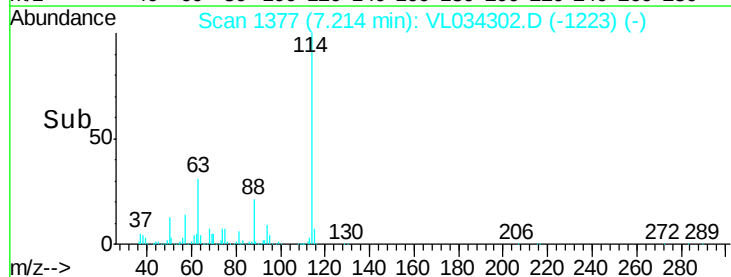
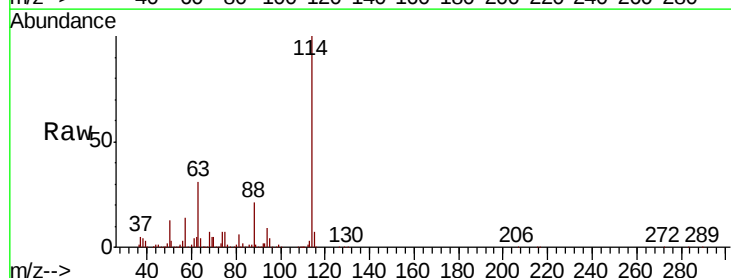
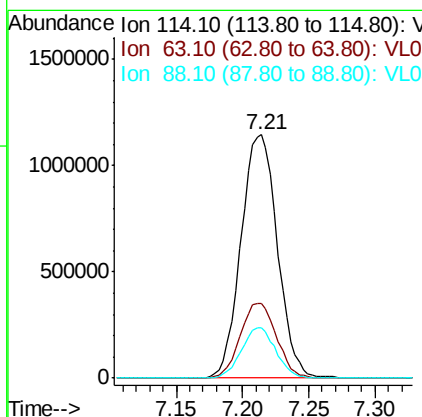
RT: 7.21 min Scan# 1377

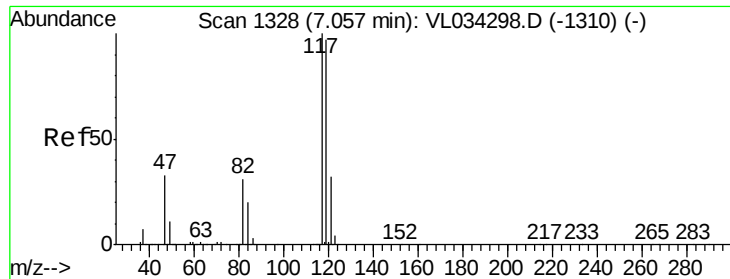
Delta R.T. -0.00 min

Lab File: VL034302.D

Acq: 16 Oct 2019 15:28

Tgt Ion:	114	Resp:	2186135
Ion Ratio	Lower	Upper	
114	100		
63	30.8	25.2	37.8
88	19.7	16.0	24.0





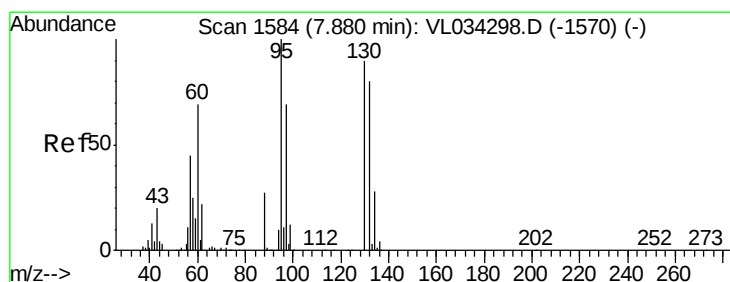
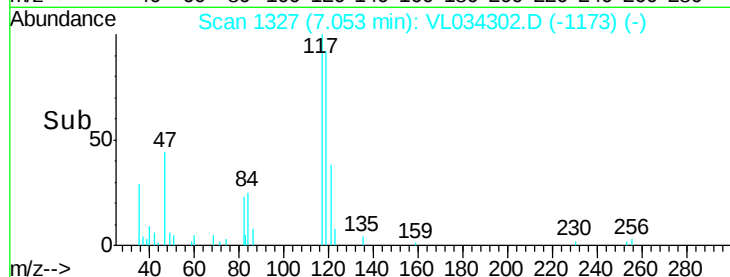
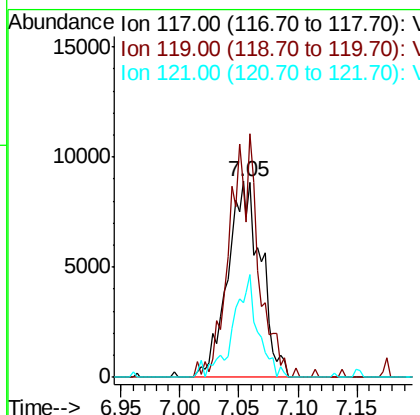
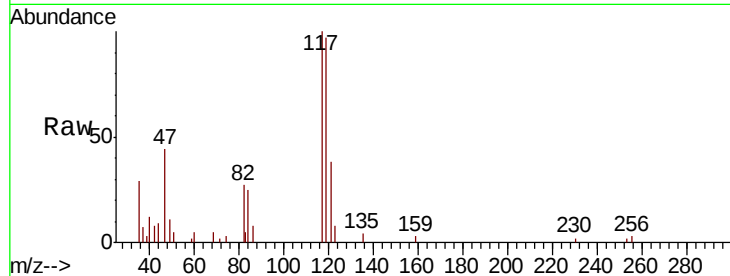
#35
Carbon Tetrachloride
Concen: 0.097 ppbv m
RT: 7.05 min Scan# 1327
Delta R.T. -0.00 min
Lab File: VL034302.D
Acq: 16 Oct 2019 15:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.3	115.9
121	38.3	25.5	38.3

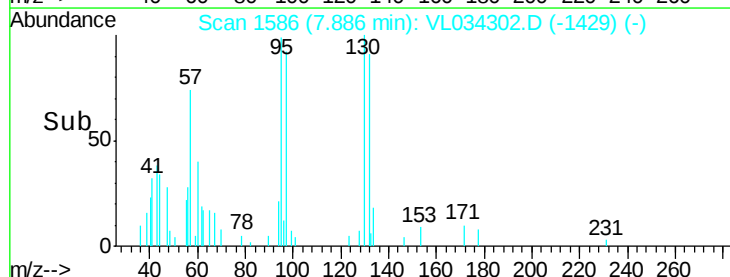
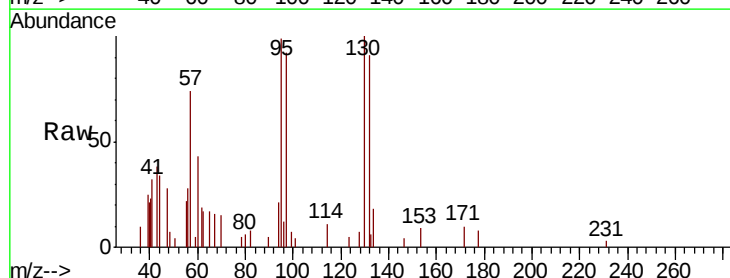
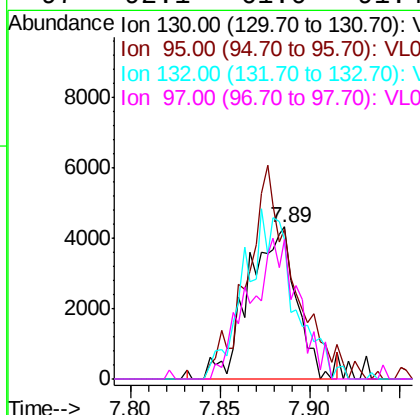
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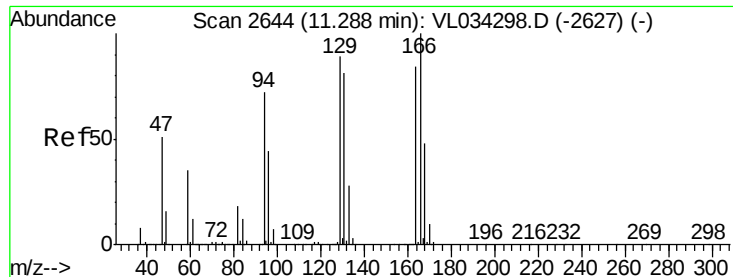
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#38
Trichloroethene
Concen: 0.094 ppbv m
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL034302.D
Acq: 16 Oct 2019 15:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	88.6	132.8
132	91.5	71.2	106.8
97	92.1	61.0	91.4#





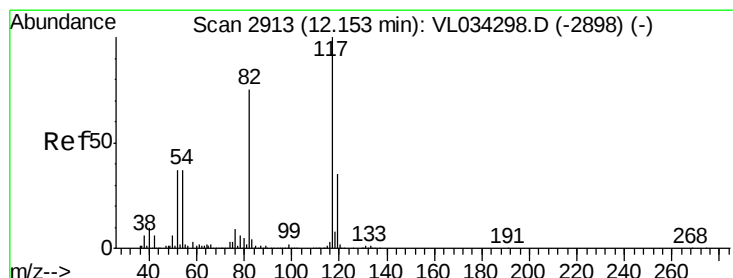
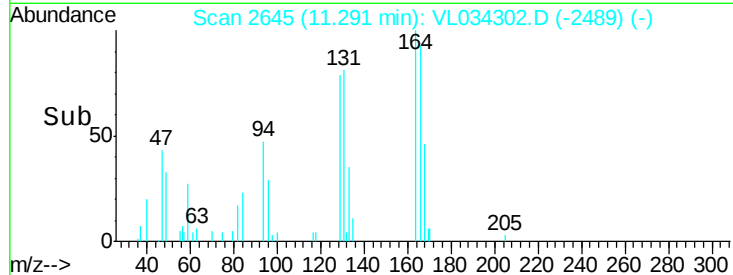
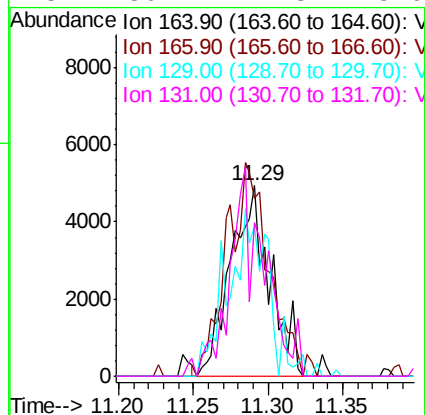
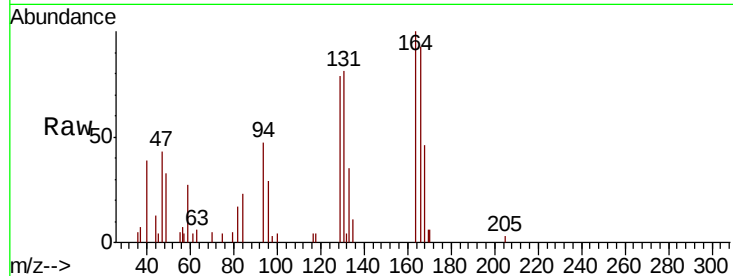
#52
Tetrachloroethene
Concen: 0.115 ppbv m
RT: 11.29 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VL034302.D
Acq: 16 Oct 2019 15:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	93.3	95.3	142.9#
129	78.5	84.5	126.7#
131	80.7	77.3	115.9

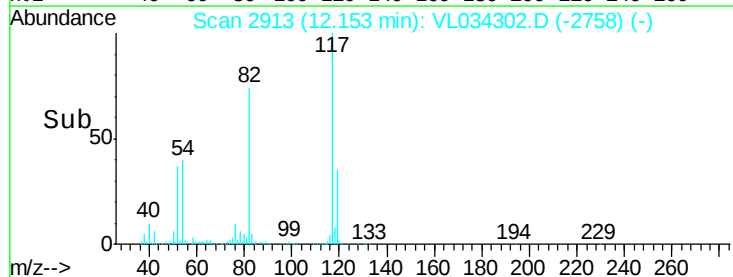
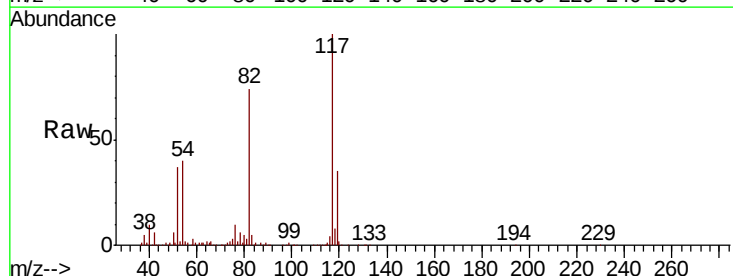
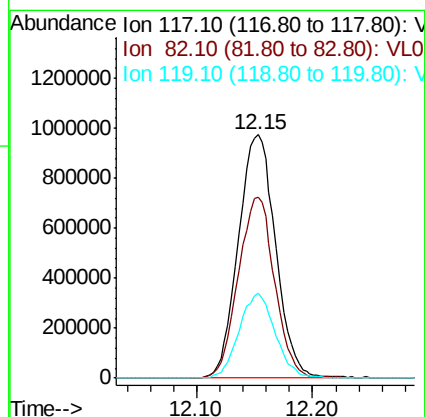
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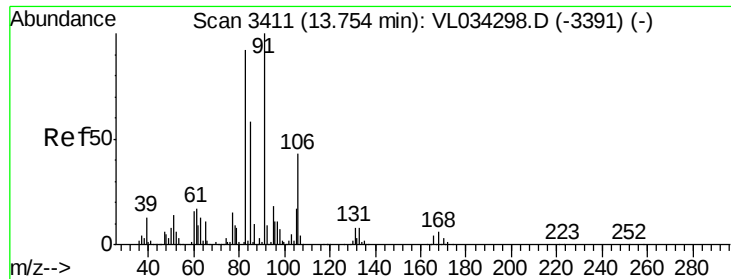
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL034302.D
Acq: 16 Oct 2019 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.8	55.5	83.3
119	34.1	26.5	39.7





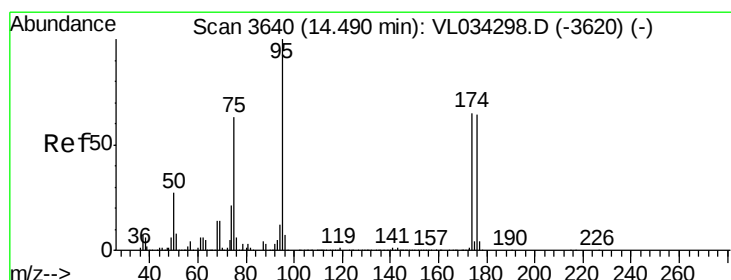
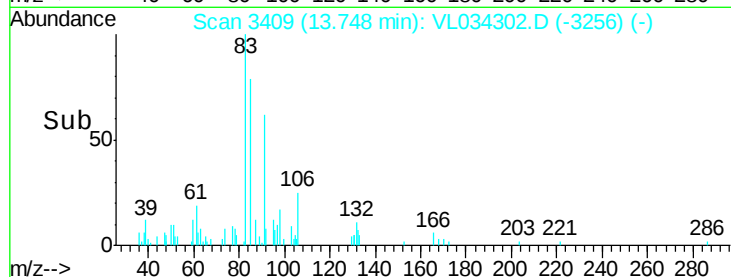
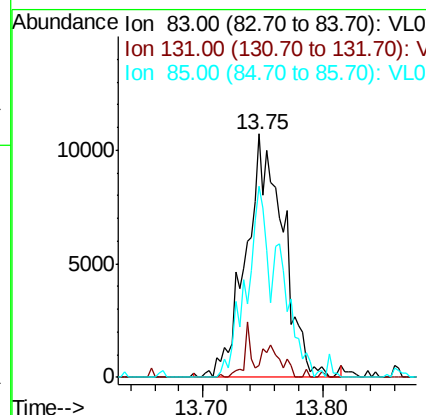
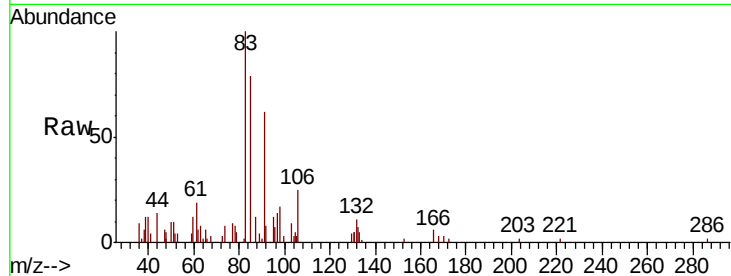
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.096 ppbv m
 RT: 13.75 min Scan# 3409
 Delta R.T. -0.01 min
 Lab File: VL034302.D
 Acq: 16 Oct 2019 15:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.4#
85	0.0	32.5	97.4#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.031 ppbv
 RT: 14.49 min Scan# 3640
 Delta R.T. -0.00 min
 Lab File: VL034302.D
 Acq: 16 Oct 2019 15:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.7	52.6	78.8
175	4.5	3.8	5.6

