

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111919\
 Data File : VL034379.D
 Acq On : 19 Nov 2019 13:01
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

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 11/20/2019 3:53:31 PM

Quant Time: Nov 19 14:10:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:10:05 2019
 QLast Update : Tue Nov 19 12:55:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1003282	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.20	114	1989829	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.14	117	1991491	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1691646	10.03	ppbv	-0.02
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	2115m	0.032	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	4293m	0.027	ppbv	
35) Carbon Tetrachloride	7.03	117	5085m	0.029	ppbv	
38) Trichloroethene	7.88	130	2874m	0.038	ppbv	
52) Tetrachloroethene	11.28	164	3181m	0.043	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.74	83	6059m	0.031	ppbv	

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

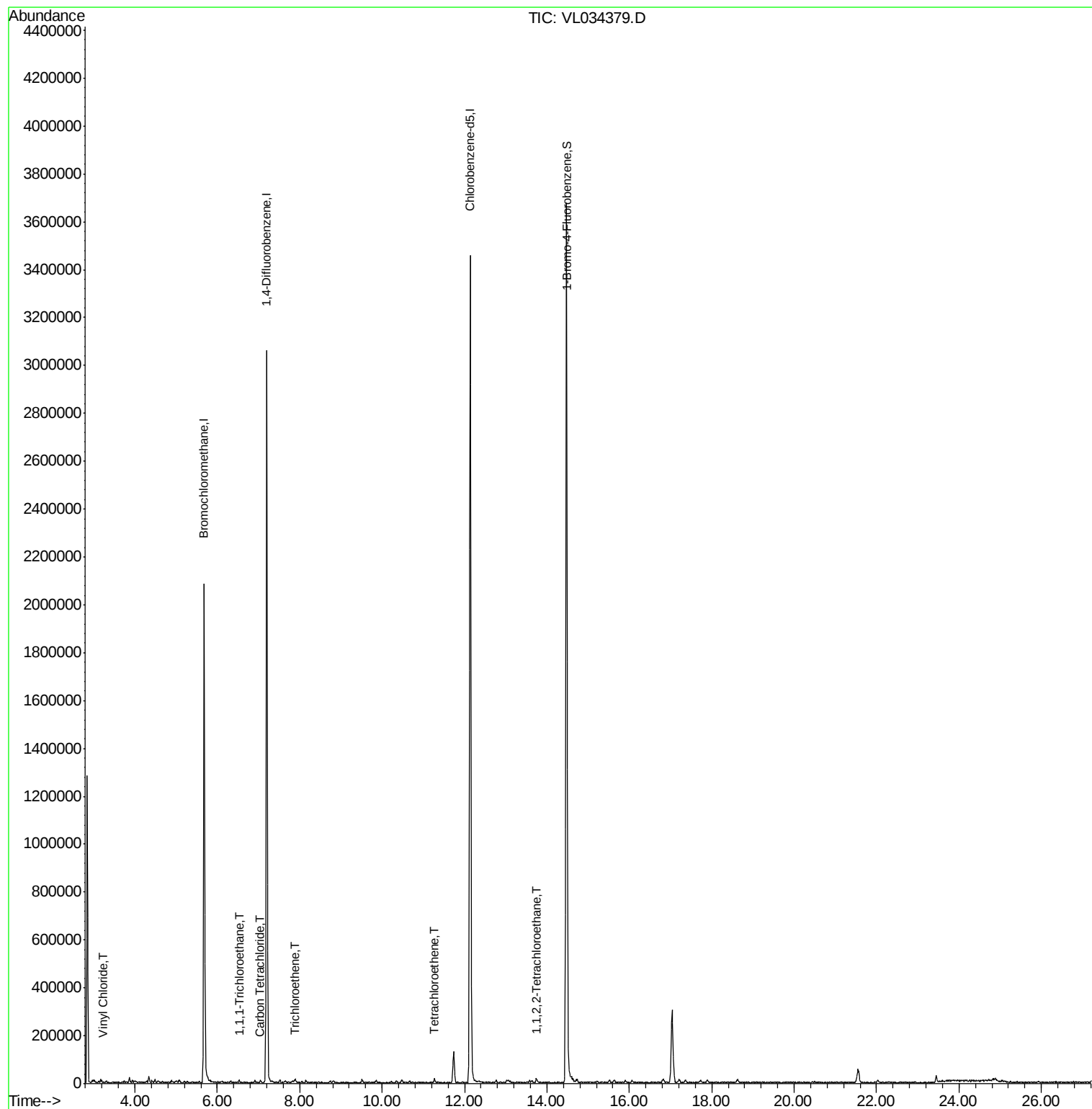
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111919\
Data File : VL034379.D
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Operator : SY/AP
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Misc : 400ml/MSVOA L
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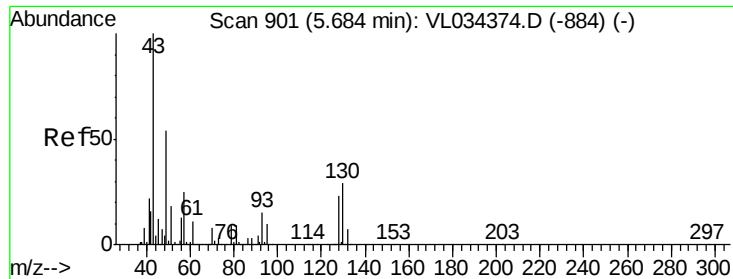
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Time: Nov 19 14:10:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 19 12:55:12 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL034379.D

Acq: 19 Nov 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1003282

Ion Ratio Lower Upper

49 100

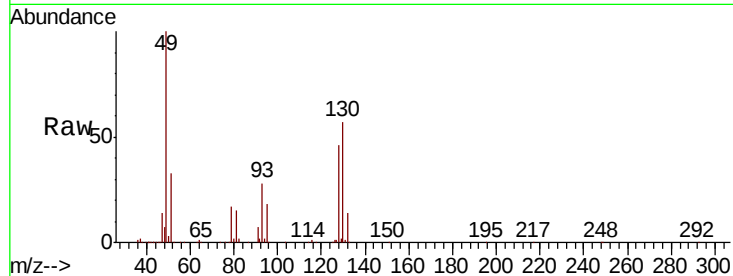
128 43.9 20.6 61.8

130 55.9 26.2 78.5

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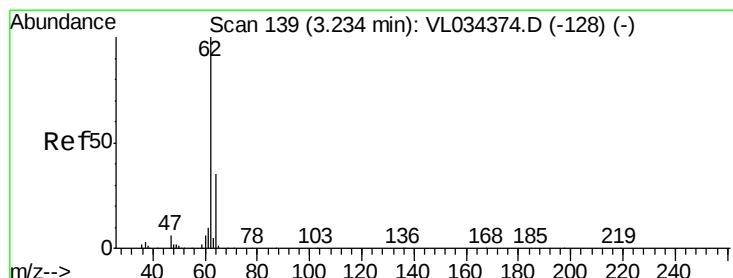
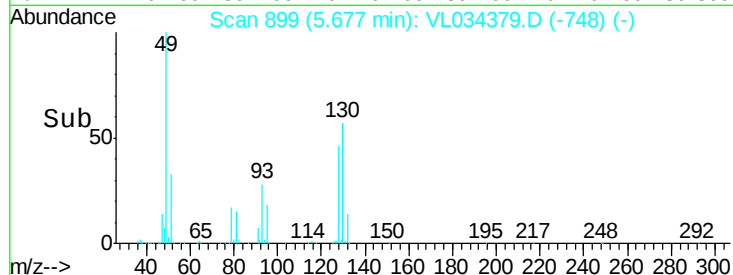
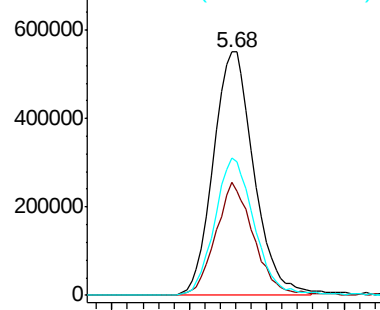
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.032 ppbv m

RT: 3.24 min Scan# 140

Delta R.T. -0.00 min

Lab File: VL034379.D

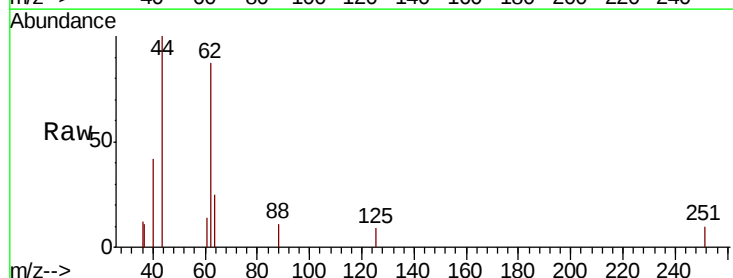
Acq: 19 Nov 2019 13:01

Tgt Ion: 62 Resp: 2115

Ion Ratio Lower Upper

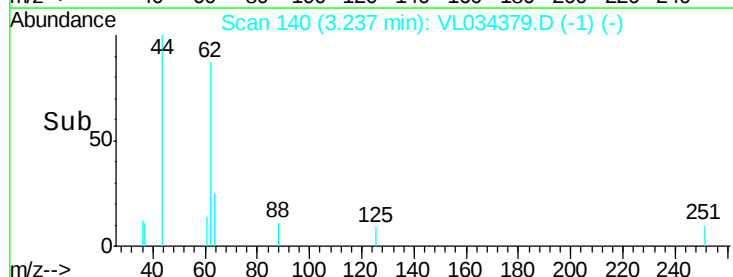
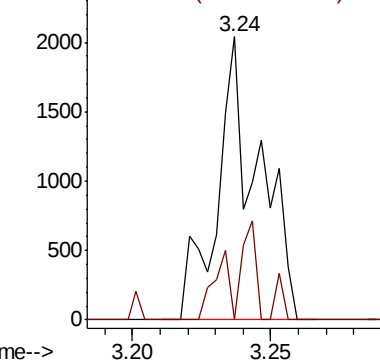
62 100

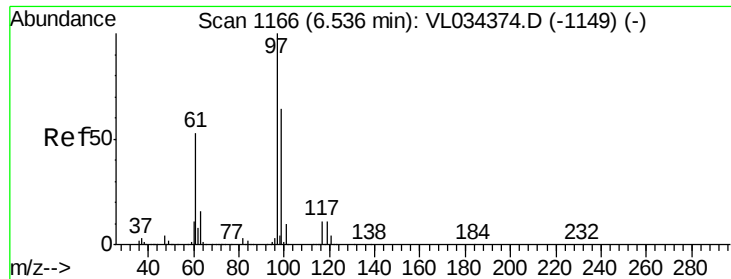
64 0.0 26.0 39.0#



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: 0.027 ppbv m

RT: 6.53 min Scan# 1164

Delta R.T. -0.01 min

Lab File: VL034379.D

Acq: 19 Nov 2019 13:01

Instrument :

MSVOA_L

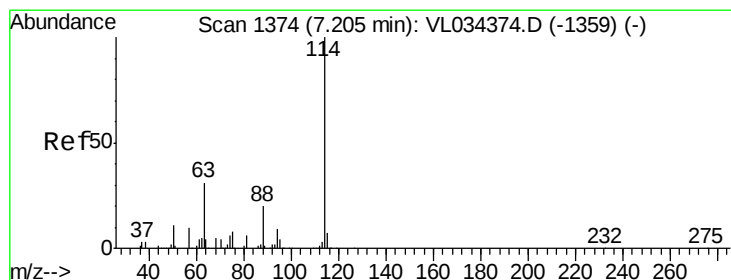
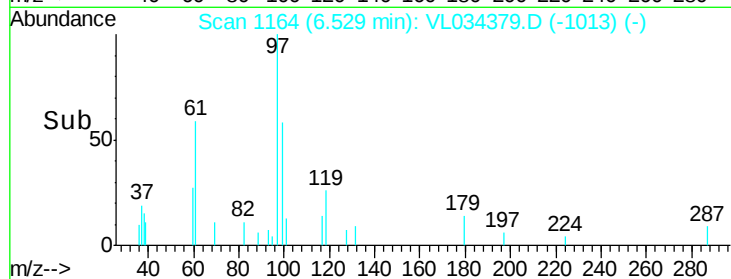
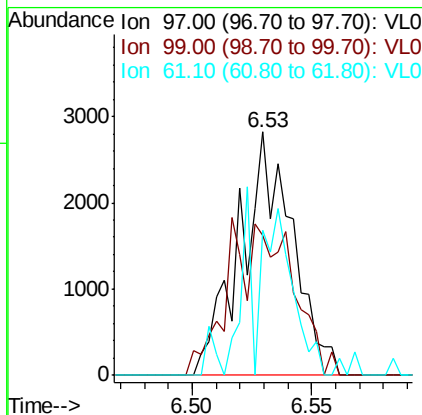
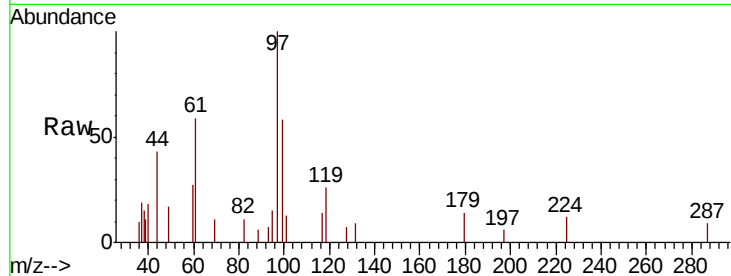
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	4293
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.6	78.8#
61	0.0	44.5	66.7#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

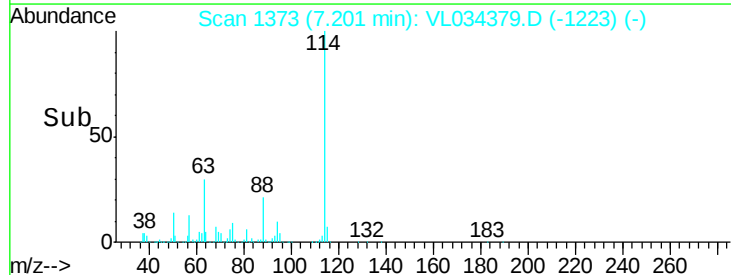
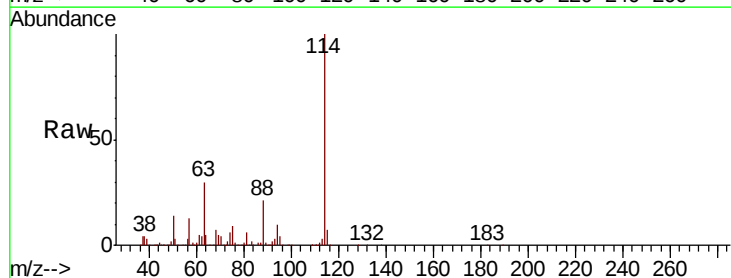
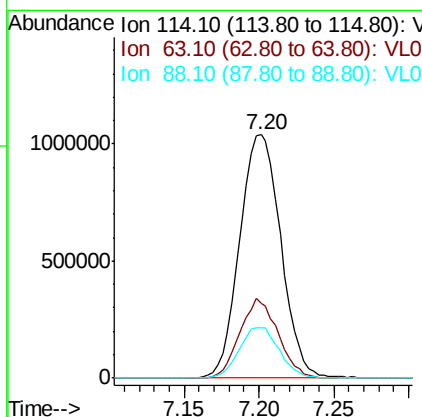
RT: 7.20 min Scan# 1373

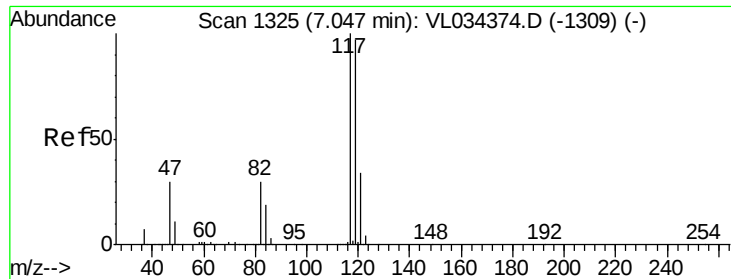
Delta R.T. -0.02 min

Lab File: VL034379.D

Acq: 19 Nov 2019 13:01

Tgt Ion:	114	Resp:	1989829
Ion Ratio	Lower	Upper	
114	100		
63	30.6	25.2	37.8
88	20.4	16.0	24.0





#35

Carbon Tetrachloride

Concen: 0.029 ppbv m

RT: 7.03 min Scan# 1319

Delta R.T. -0.03 min

Lab File: VL034379.D

Acq: 19 Nov 2019 13:01

Instrument :

MSVOA_L

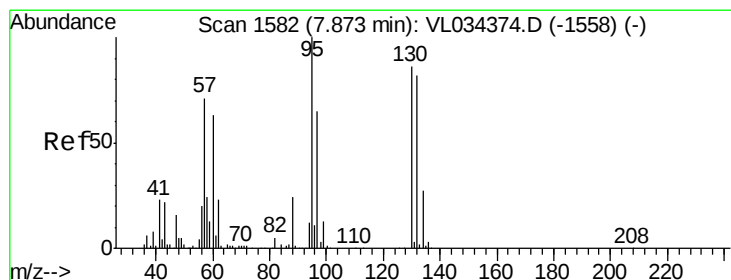
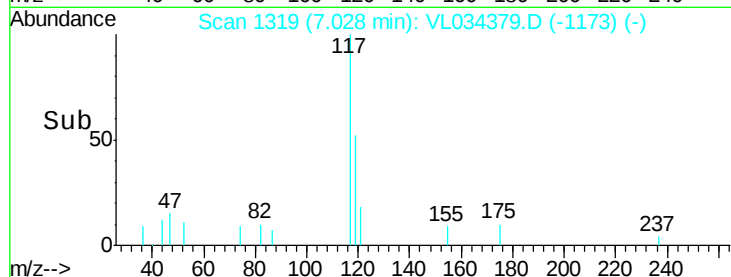
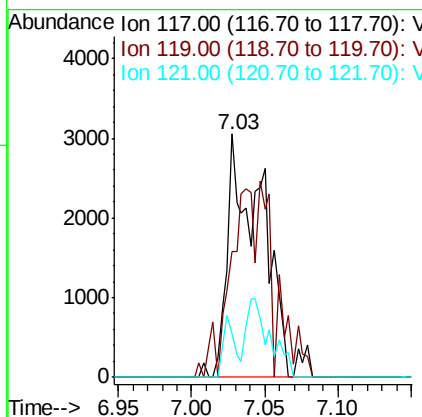
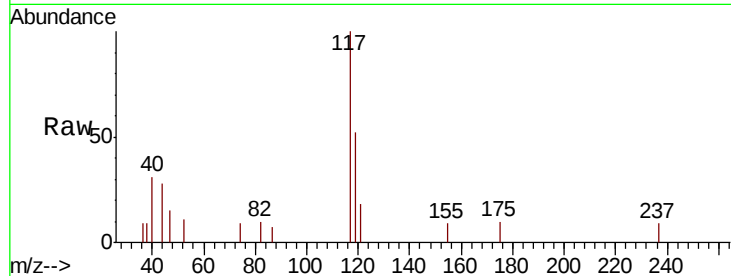
ClientSampleId :

VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	51.6	77.3	115.9#
121	18.1	25.5	38.3#

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#38

Trichloroethene

Concen: 0.038 ppbv m

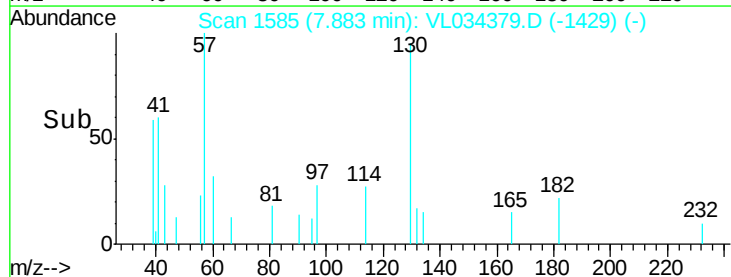
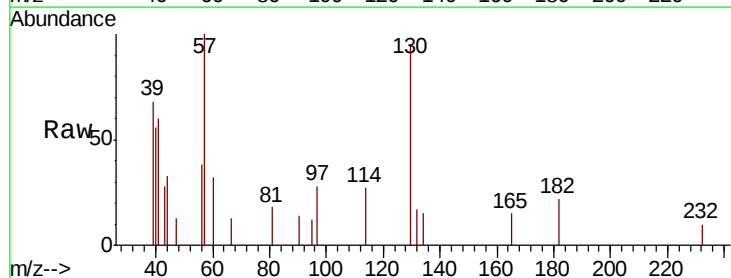
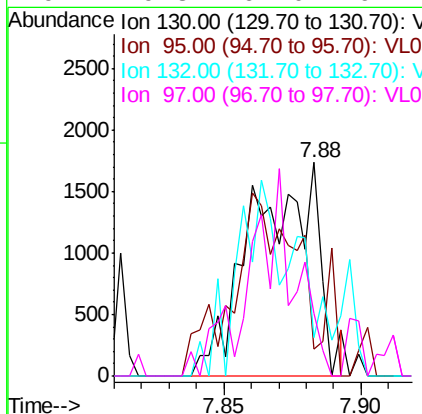
RT: 7.88 min Scan# 1585

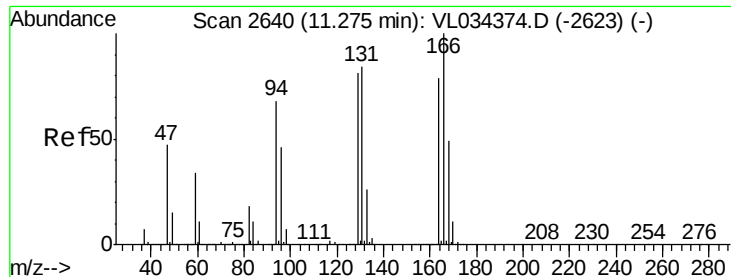
Delta R.T. 0.00 min

Lab File: VL034379.D

Acq: 19 Nov 2019 13:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	12.3	88.6	132.8#
132	18.3	71.2	106.8#
97	29.3	61.0	91.4#





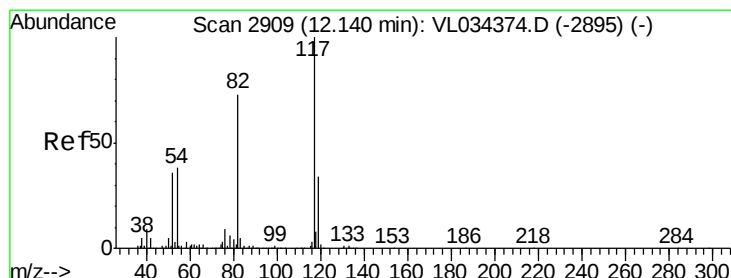
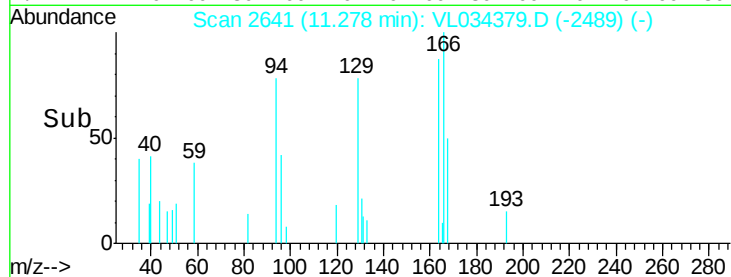
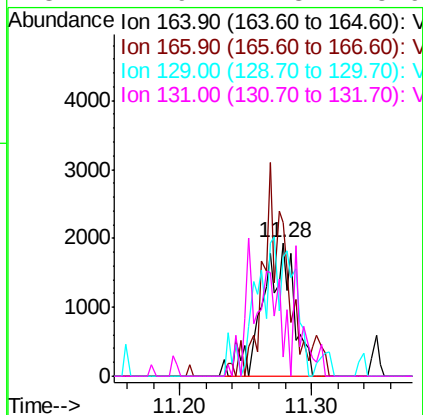
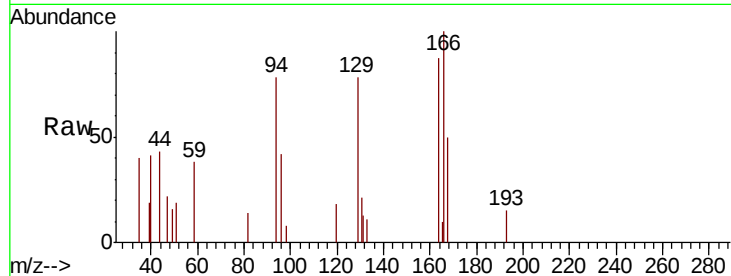
#52
Tetrachloroethene
Concen: 0.043 ppbv m
RT: 11.28 min Scan# 2641
Delta R.T. -0.01 min
Lab File: VL034379.D
Acq: 19 Nov 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	114.9	95.3	142.9
129	89.7	84.5	126.7
131	14.9	77.3	115.9

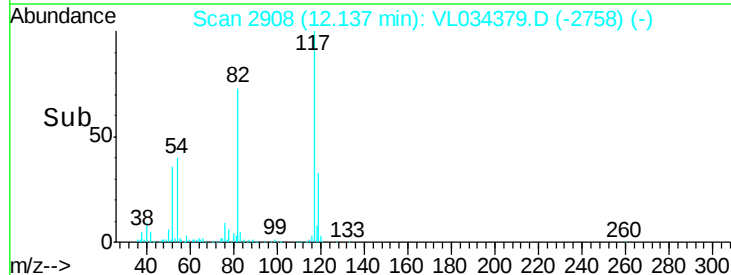
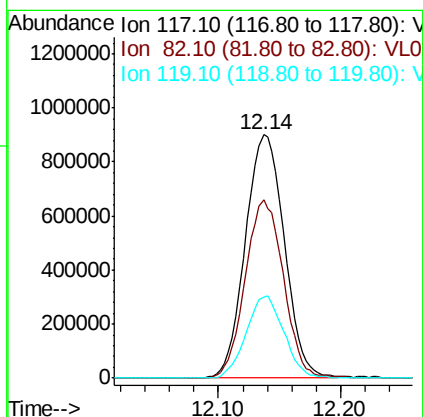
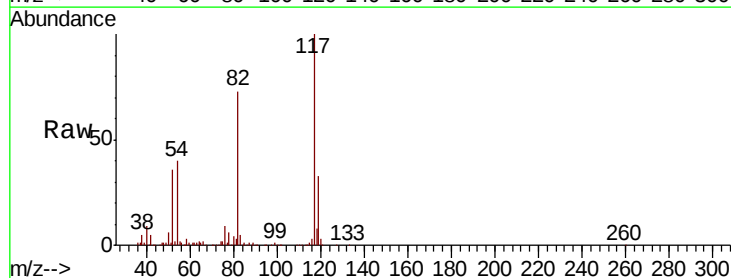
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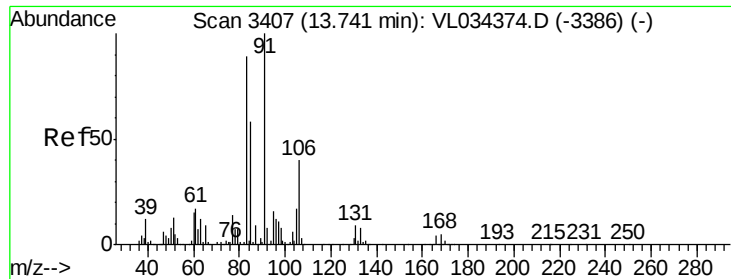
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL034379.D
Acq: 19 Nov 2019 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.1	55.5	83.3
119	32.8	26.5	39.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.031 ppbv m

RT: 13.74 min Scan# 3408

Delta R.T. -0.01 min

Lab File: VL034379.D

Acq: 19 Nov 2019 13:01

Instrument :

MSVOA_L

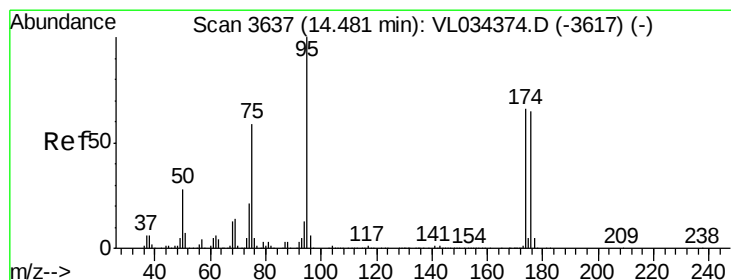
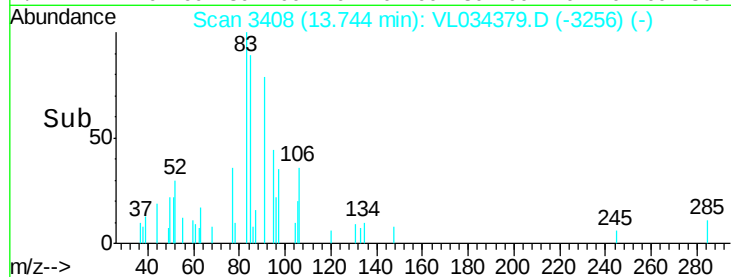
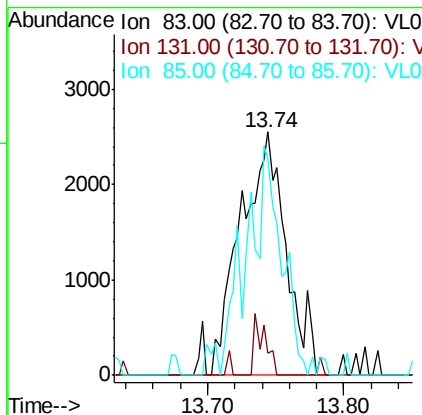
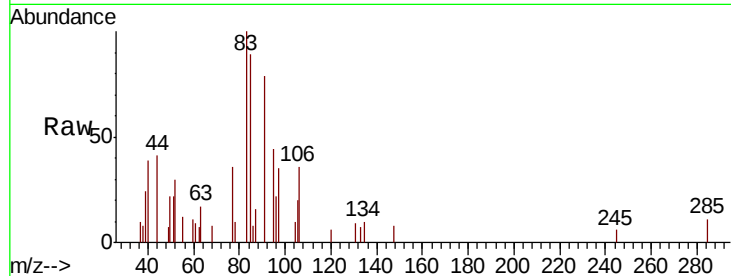
ClientSampleId :

VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	6.2	4.8	14.4
85	75.9	32.5	97.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.030 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. -0.02 min

Lab File: VL034379.D

Acq: 19 Nov 2019 13:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.8	52.6	78.8
175	4.7	3.8	5.6

