

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\
 Data File : VL034347.D
 Acq On : 24 Oct 2019 15:37
 Operator : SY/AP
 Sample : K5477-01DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DL2

Manual Integrations
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 10/28/2019 9:43:17 AM

Quant Time: Oct 27 19:42:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	951382	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2059621	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1946552	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1544011	9.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) trans-1,2-Dichloroethene	4.89	96	39498	0.887	ppbv #	90
29) Chloroform	5.76	83	179925	1.162	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	3882480	39.068	ppbv #	80
36) Benzene	6.92	78	48815	0.247	ppbv #	91
38) Trichloroethene	7.87	130	3424379	43.183	ppbv	96
44) 2,2,4-Trimethylpentane	7.91	57	103580m	0.283	ppbv	
52) Tetrachloroethene	11.42	164	37525040	484.444	ppbv	92

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

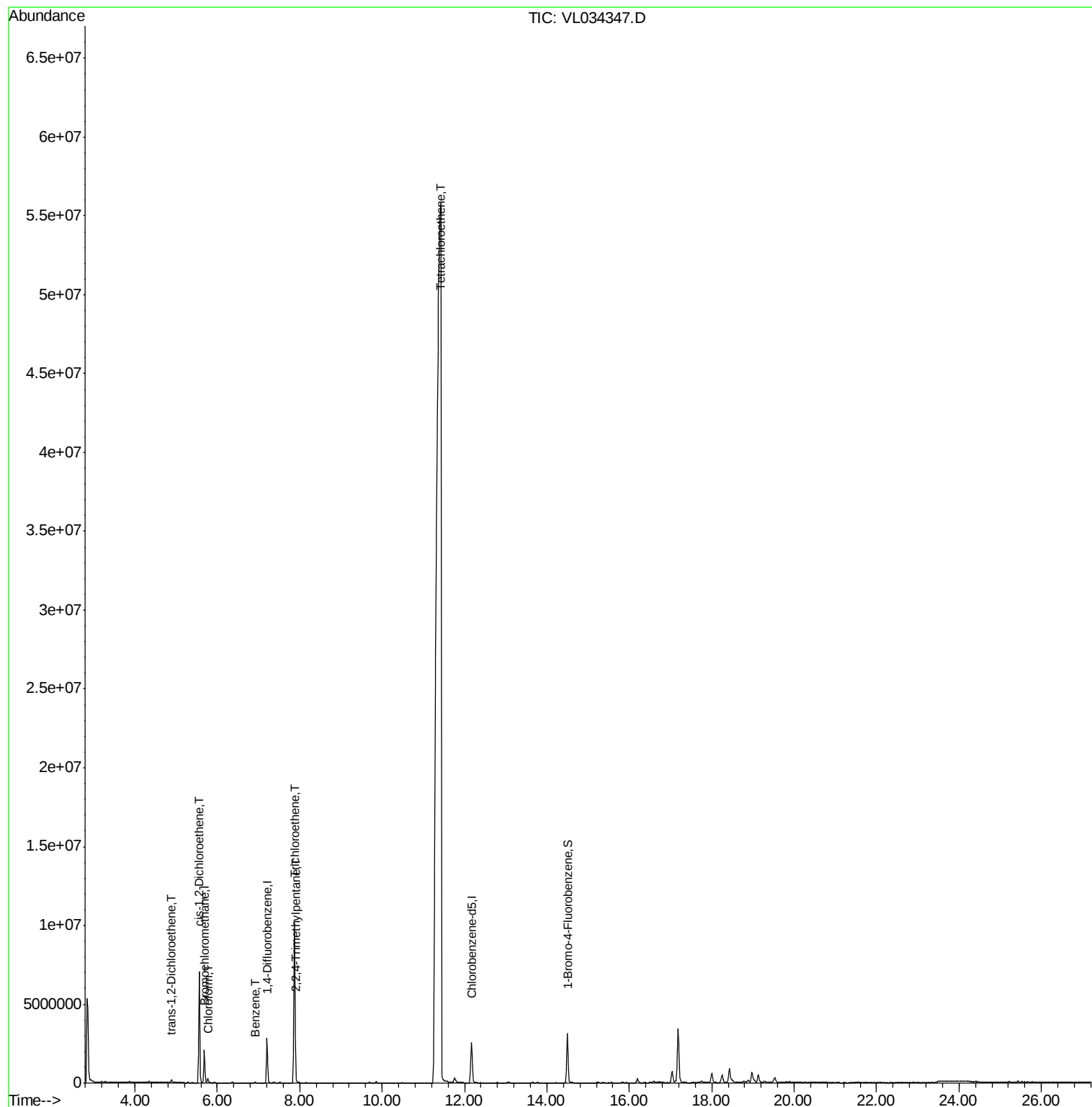
Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\
Data File : VL034347.D
Acq On : 24 Oct 2019 15:37
Operator : SY/AP
Sample : K5477-01DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

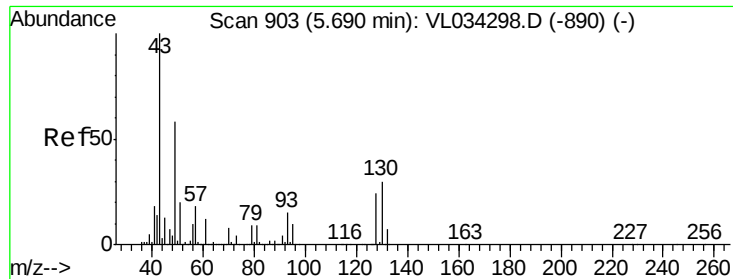
Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

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Quant Time: Oct 27 19:42:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

Lab File: VL034347.D

Acq: 24 Oct 2019 15:37

Instrument :

MSVOA_L

ClientSampled :

SV5DL2

Tgt Ion: 49 Resp: 951382
Ion Ratio Lower Upper

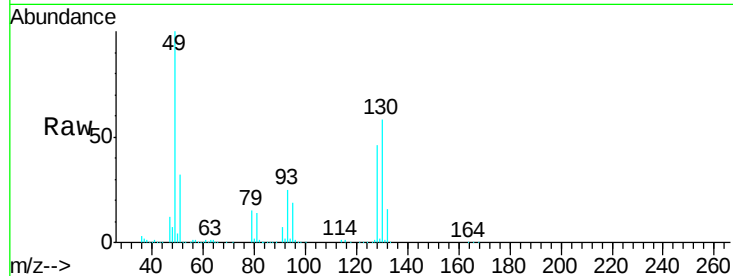
49 100

128 45.5 20.6 61.8

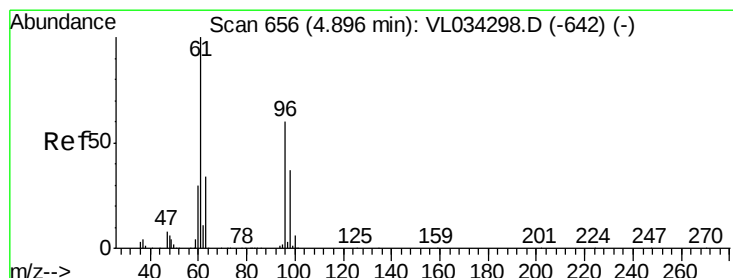
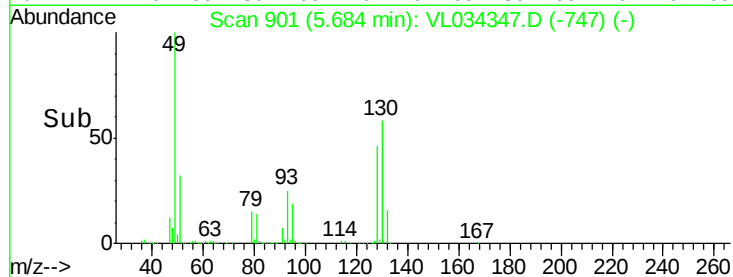
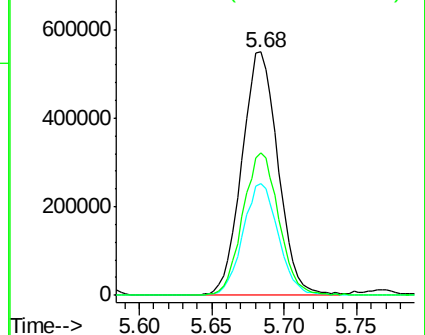
130 58.8 26.2 78.5

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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



#22

trans-1,2-Dichloroethene

Concen: 0.887 ppbv

RT: 4.89 min Scan# 654

Delta R.T. -0.01 min

Lab File: VL034347.D

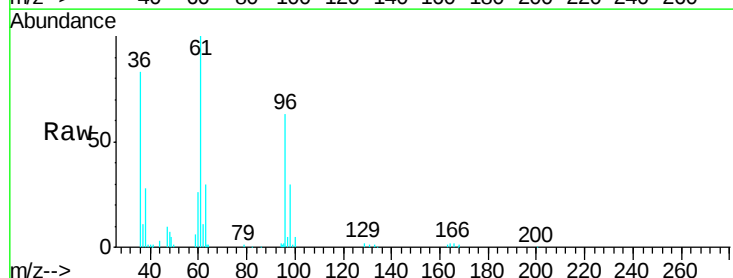
Acq: 24 Oct 2019 15:37

Tgt Ion: 96 Resp: 39498
Ion Ratio Lower Upper

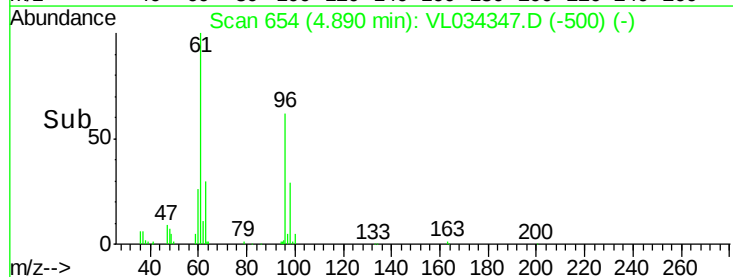
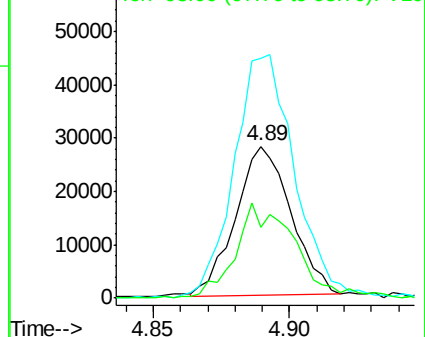
96 100

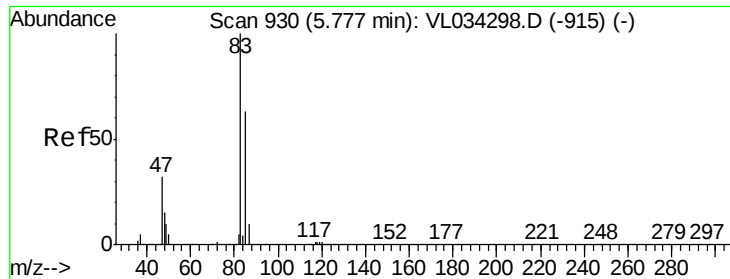
61 157.6 133.8 200.6

98 47.3 49.4 74.0#



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





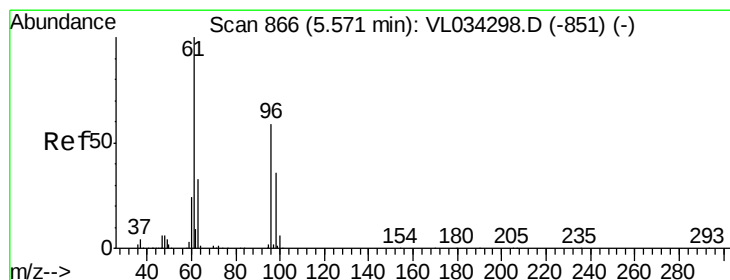
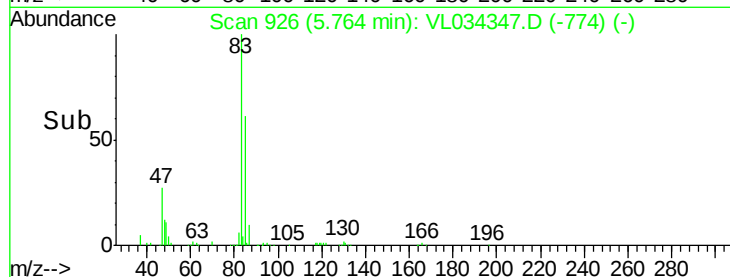
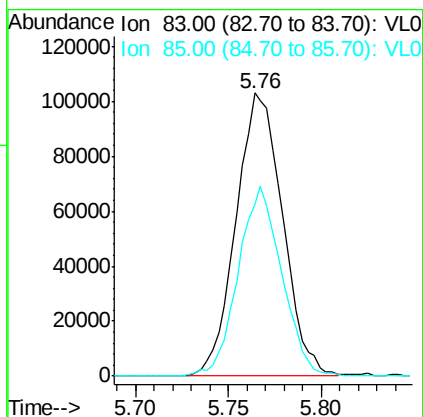
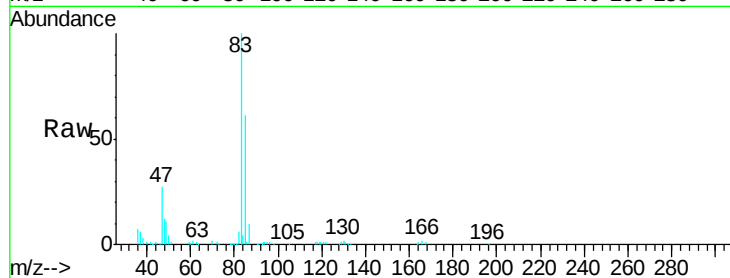
#29
Chloroform
Concen: 1.162 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

Tgt Ion: 83 Resp: 179925
Ion Ratio Lower Upper
83 100
85 60.2 50.5 75.7

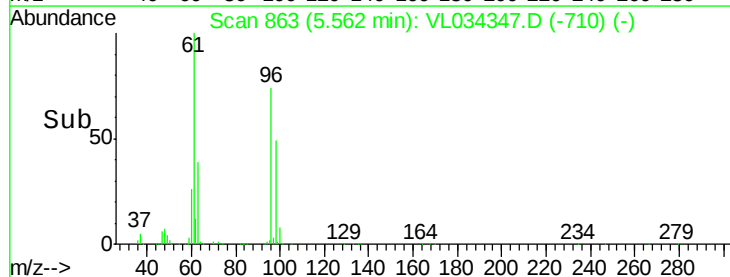
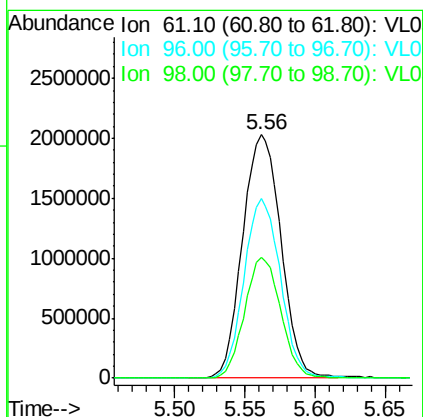
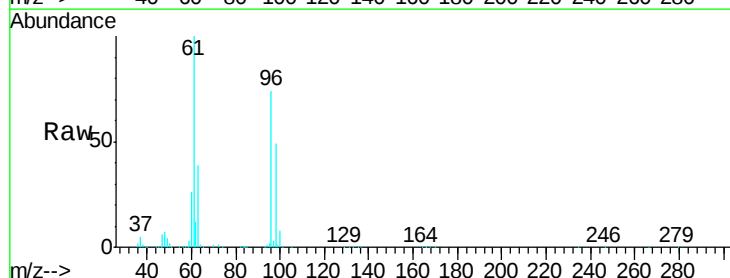
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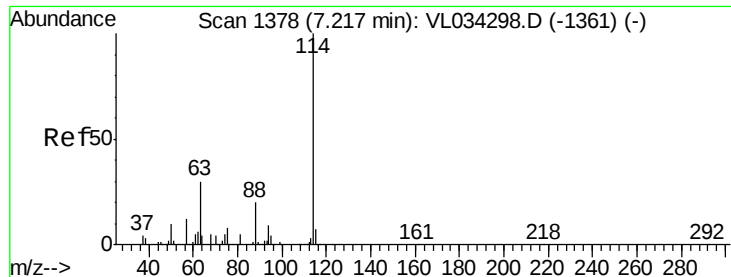
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#31
cis-1,2-Dichloroethene
Concen: 39.068 ppbv
RT: 5.56 min Scan# 863
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Tgt Ion: 61 Resp: 3882480
Ion Ratio Lower Upper
61 100
96 73.7 47.5 71.3#
98 49.4 28.8 43.2#





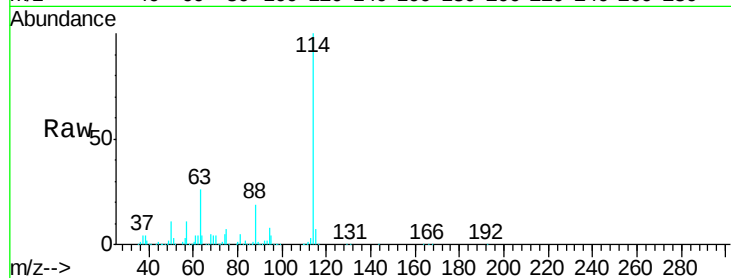
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VL034347.D
 Acq: 24 Oct 2019 15:37

Instrument :
 MSVOA_L
 ClientSampled :
 SV5DL2

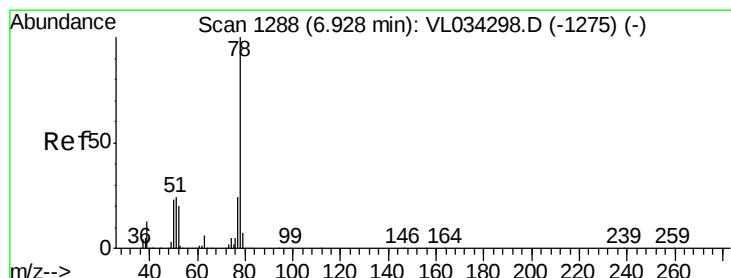
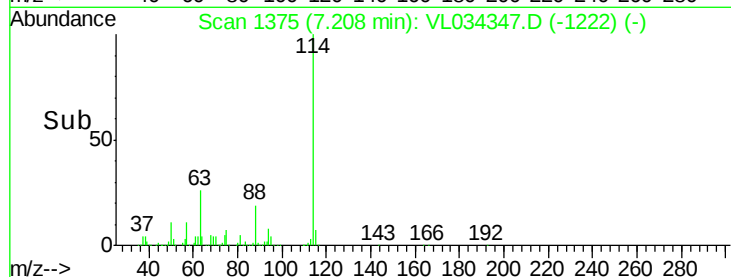
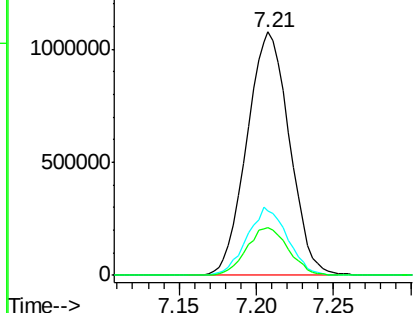
Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.7	25.2	37.8
88	19.3	16.0	24.0

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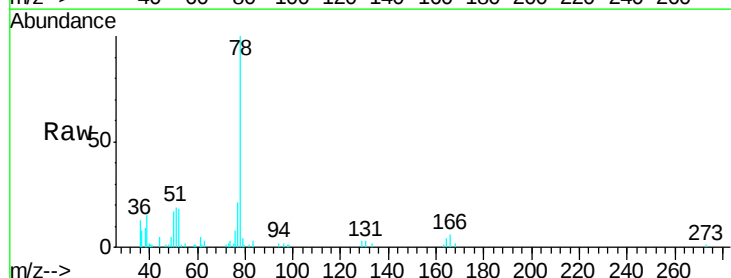


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

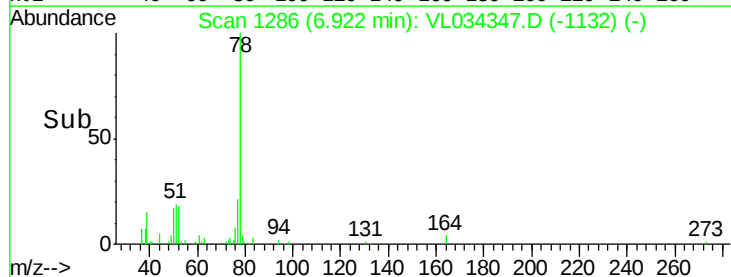
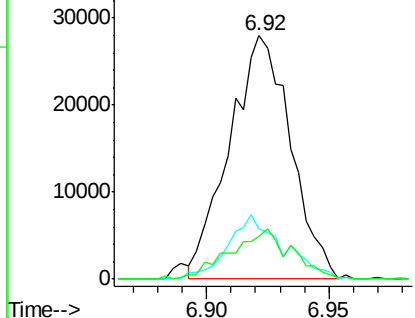


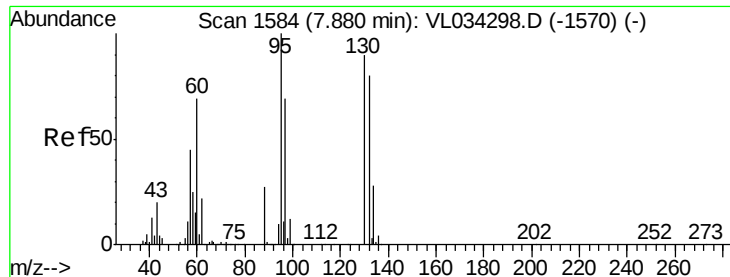
#36
 Benzene
 Concen: 0.247 ppbv
 RT: 6.92 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VL034347.D
 Acq: 24 Oct 2019 15:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.8	19.0	28.4
50	16.9	18.6	27.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 43.183 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. -0.01 min

Lab File: VL034347.D

Acq: 24 Oct 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

SV5DL2

Tgt Ion: 130 Resp: 3424379

Ion Ratio Lower Upper

130 100

95 108.1 88.6 132.8

132 95.1 71.2 106.8

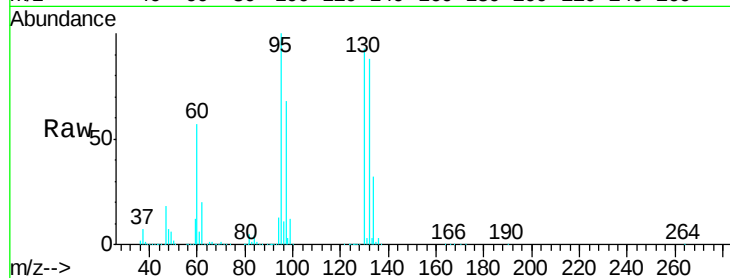
97 73.9 61.0 91.4

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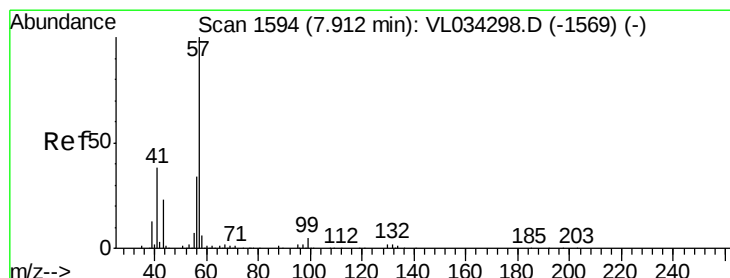
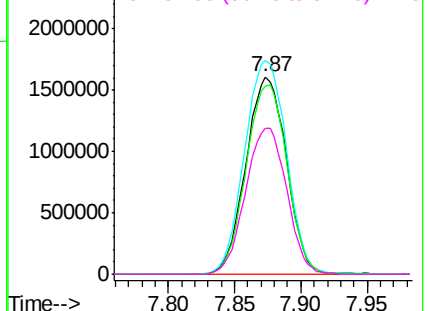
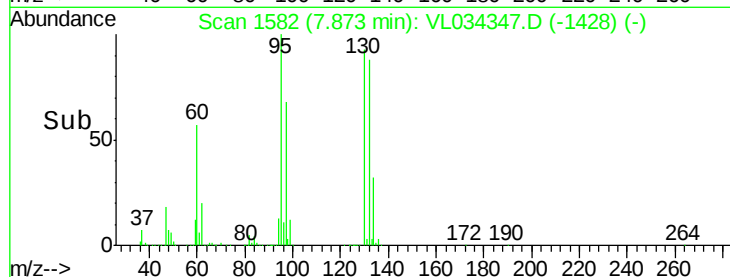


Abundance Ion 130.00 (129.70 to 130.70): V

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



#44

2,2,4-Trimethylpentane

Concen: 0.283 ppbv m

RT: 7.91 min Scan# 1592

Delta R.T. -0.01 min

Lab File: VL034347.D

Acq: 24 Oct 2019 15:37

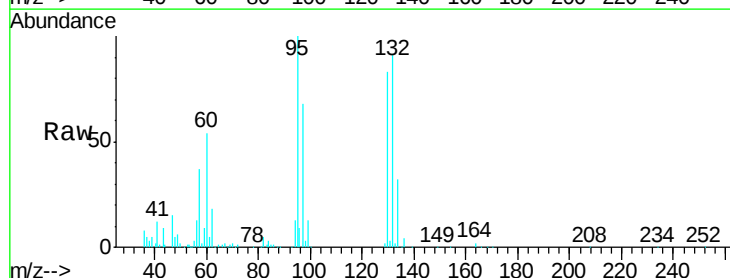
Tgt Ion: 57 Resp: 103580

Ion Ratio Lower Upper

57 100

41 37.7 29.3 43.9

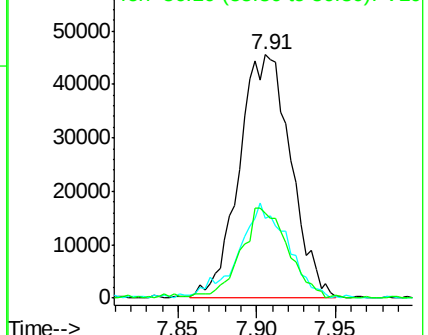
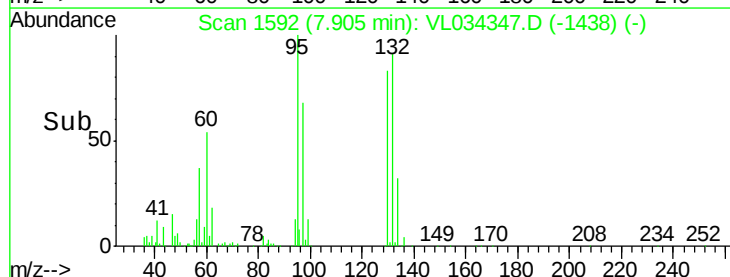
56 34.4 25.3 37.9

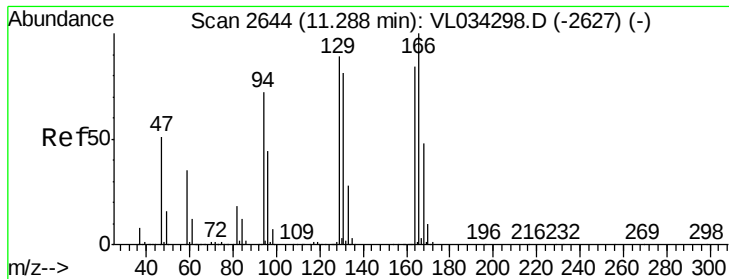


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#52

Tetrachloroethene

Concen: 484.444 ppbv

RT: 11.42 min Scan# 2685

Delta R.T. 0.13 min

Lab File: VL034347.D

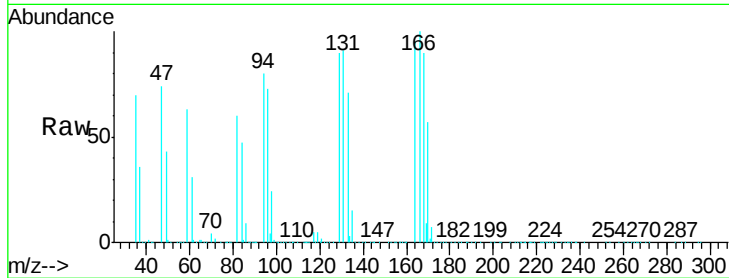
Acq: 24 Oct 2019 15:37

Instrument :

MSVOA_L

ClientSampleId :

SV5DL2



Tgt Ion:164 Resp:37525040

Ion Ratio Lower Upper

164 100

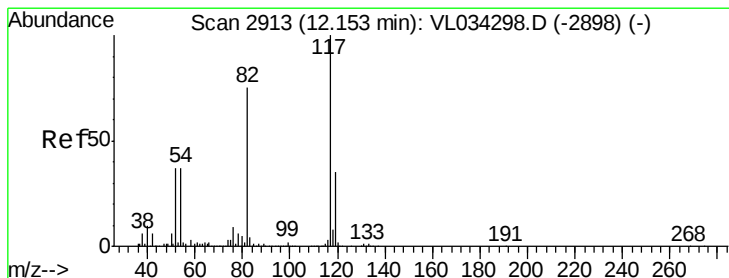
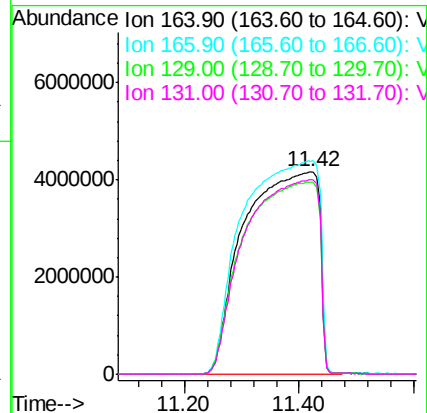
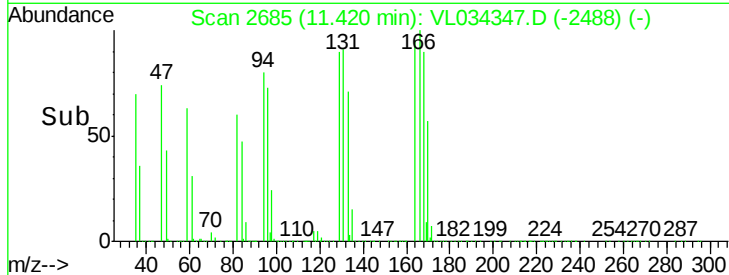
166 105.2 95.3 142.9

129 94.7 84.5 126.7

131 96.0 77.3 115.9

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.02 min

Lab File: VL034347.D

Acq: 24 Oct 2019 15:37

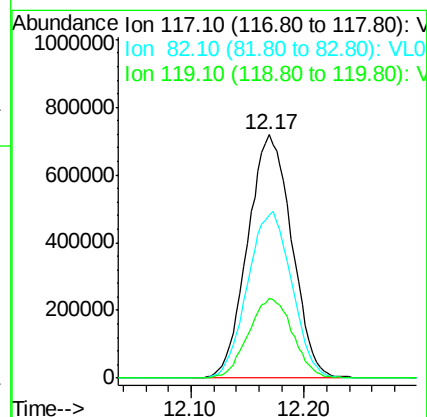
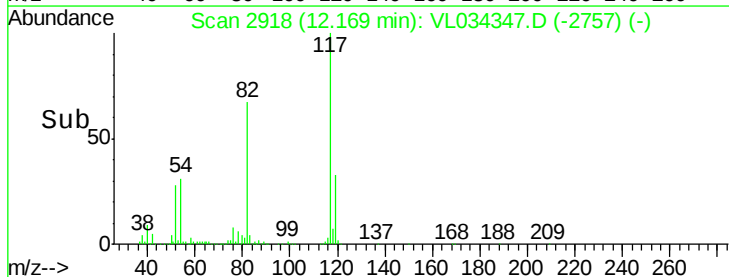
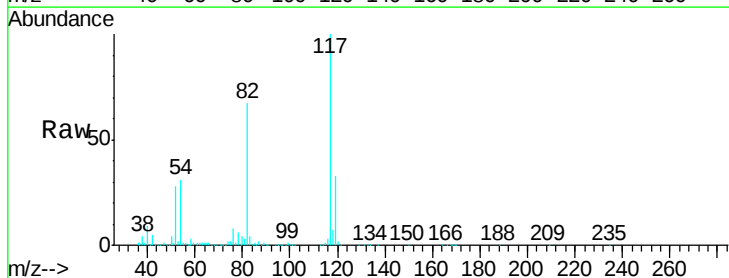
Tgt Ion:117 Resp: 1946552

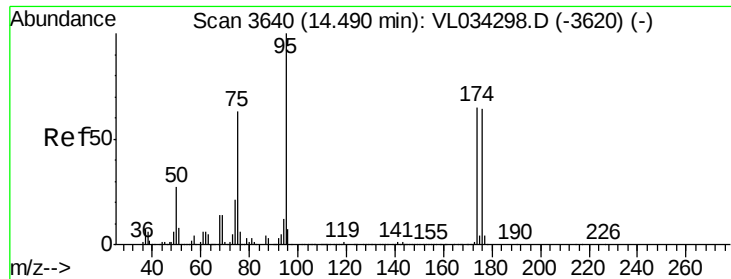
Ion Ratio Lower Upper

117 100

82 68.5 55.5 83.3

119 33.1 26.5 39.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.366 ppbv
 RT: 14.50 min Scan# 3642
 Delta R.T. 0.01 min
 Lab File: VL034347.D
 Acq: 24 Oct 2019 15:37

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DL2

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.2	52.6	78.8
175	5.3	3.8	5.6

Manual Integrations
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