

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034326.D
 Acq On : 17 Oct 2019 21:21
 Operator : SY/AP
 Sample : K5409-01DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Manual Integrations
 APPROVED

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 10/22/2019 2:55:22 PM

Quant Time: Oct 18 05:32:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 05:32:54 2019
 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	5.69	49	935465	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1957475	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2002392	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1660893	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	39640	0.816	ppbv	94
15) Acetone	3.84	43	442477	3.307	ppbv	99
20) Methylene Chloride	4.35	84	11623	0.240	ppbv	95
27) Carbon Disulfide	4.56	76	9524m	0.095	ppbv	
31) cis-1,2-Dichloroethene	5.57	61	19690	0.202	ppbv #	83
34) 2-Butanone	5.28	43	32717m	0.204	ppbv	
38) Trichloroethene	7.87	130	13669m	0.181	ppbv	
52) Tetrachloroethene	11.29	164	1245958	16.925	ppbv	96
53) Toluene	9.86	91	26360	0.127	ppbv	95

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

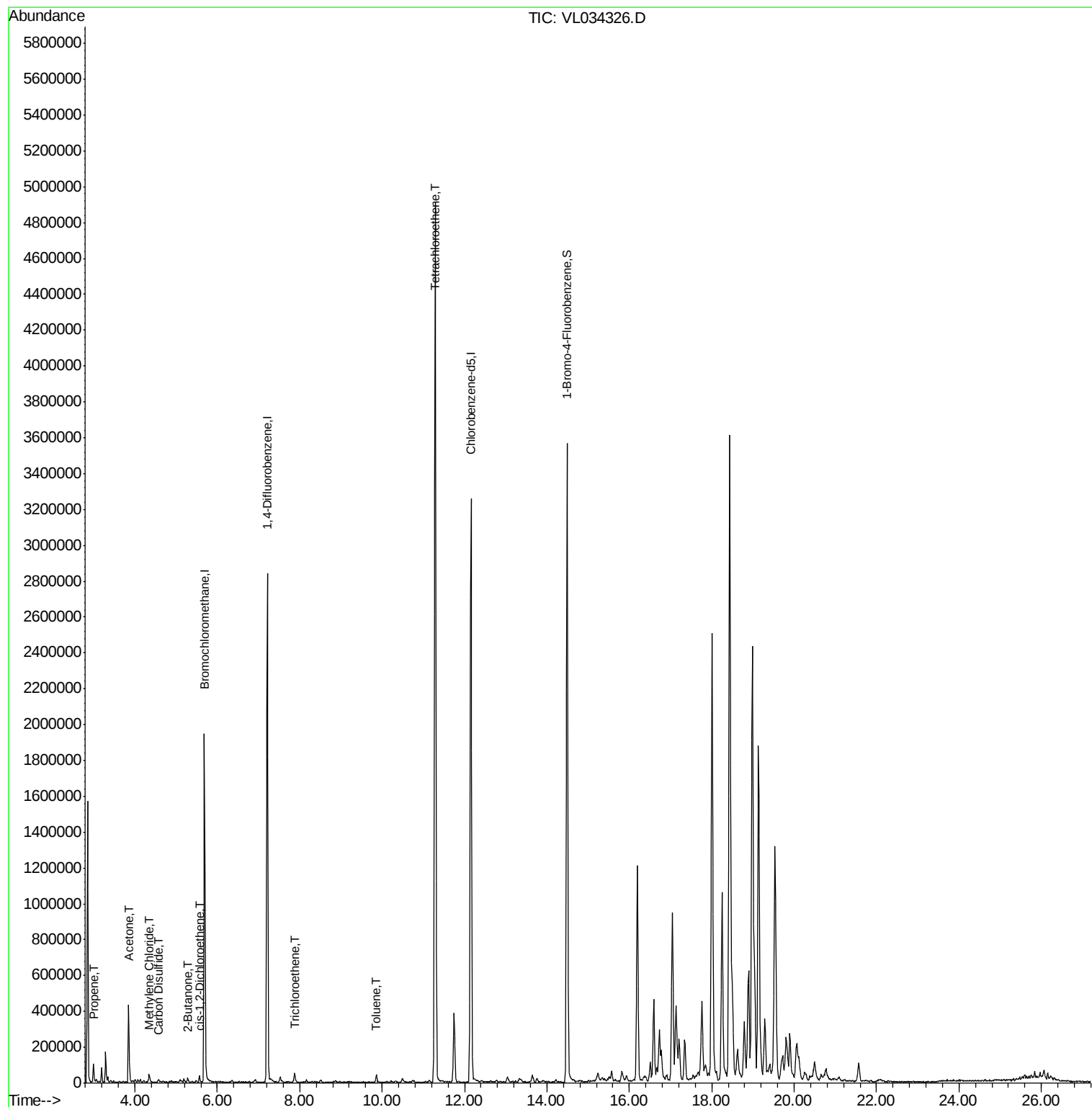
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101719\
Data File : VL034326.D
Acq On : 17 Oct 2019 21:21
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Misc : 400ml/MSVOA L
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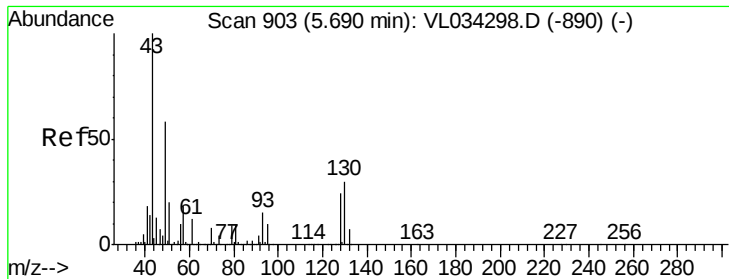
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

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Quant Time: Oct 18 05:32:54 2019
Quant Method : Z:\V0ASRV\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: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Instrument :

MSVOA_L

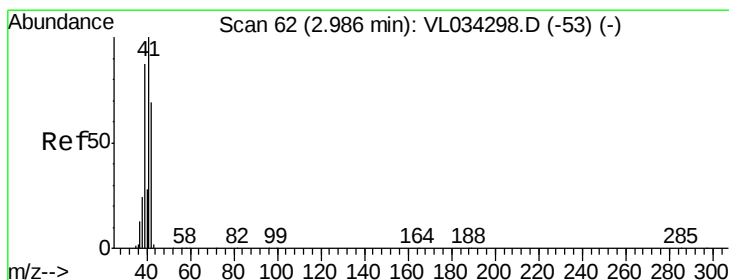
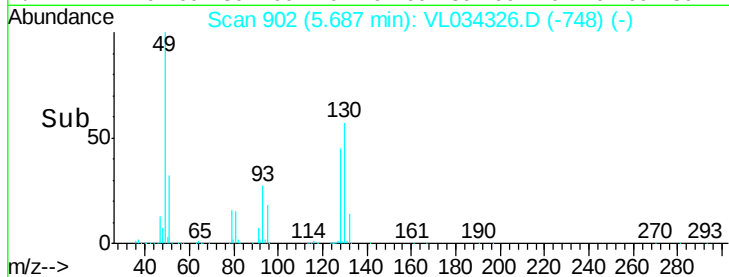
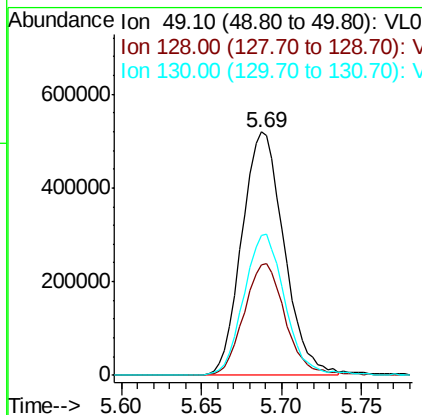
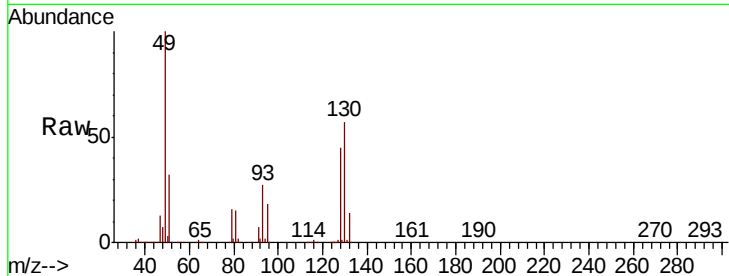
ClientSampleId :

SV1DL2

Tot Ion:	49	Resp:	935465
Ion Ratio	Lower	Upper	
49	100		
128	45.0	20.6	61.8
130	56.8	26.2	78.5

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#9

Propene

Concen: 0.816 ppbv

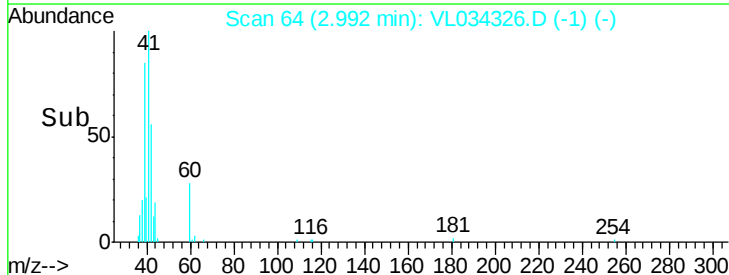
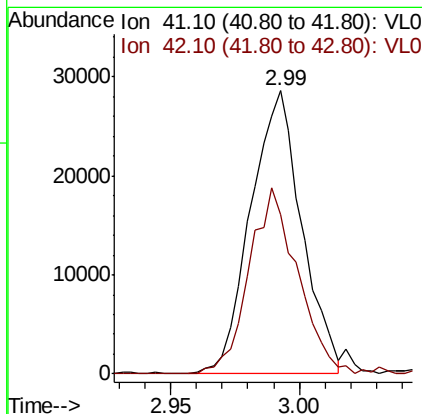
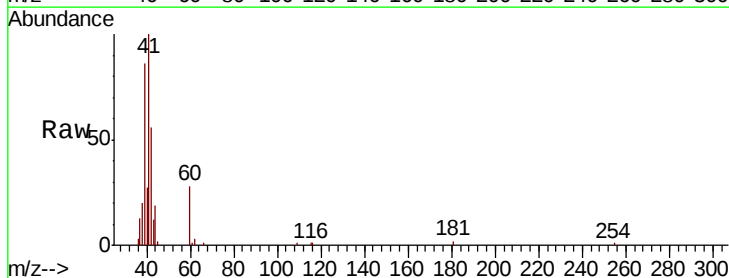
RT: 2.99 min Scan# 64

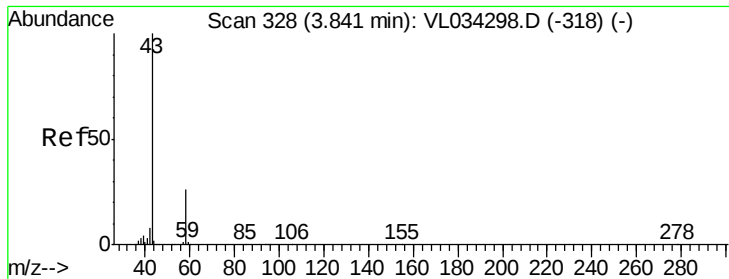
Delta R.T. 0.01 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Tgt Ion:	41	Resp:	39640
Ion Ratio	Lower	Upper	
41	100		
42	62.9	53.9	80.9





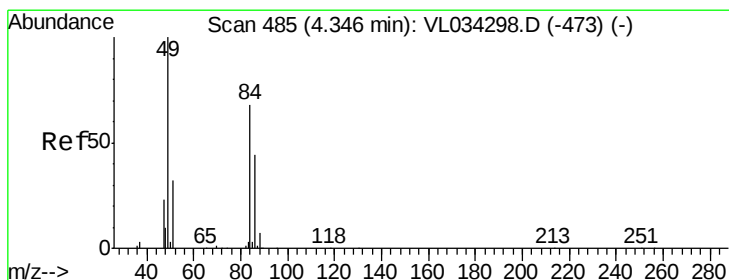
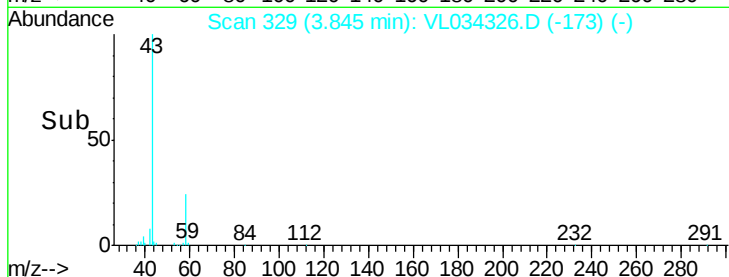
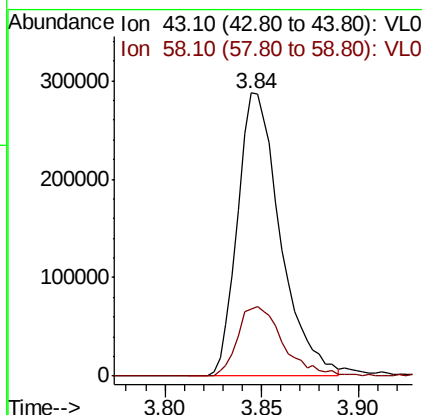
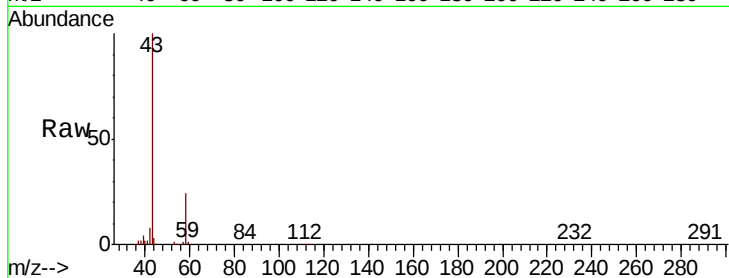
#15
Acetone
Concen: 3.307 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.00 min
Lab File: VL034326.D
Acq: 17 Oct 2019 21:21

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.4	30.6

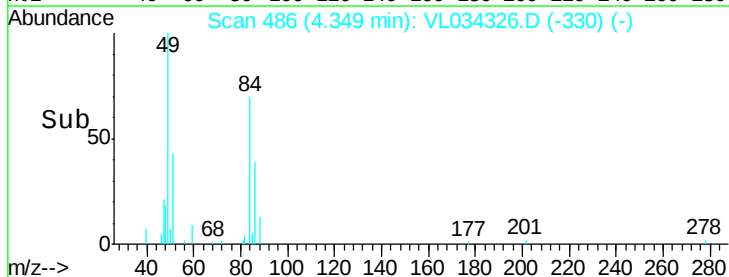
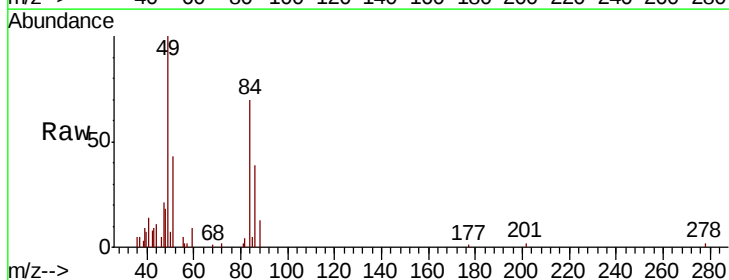
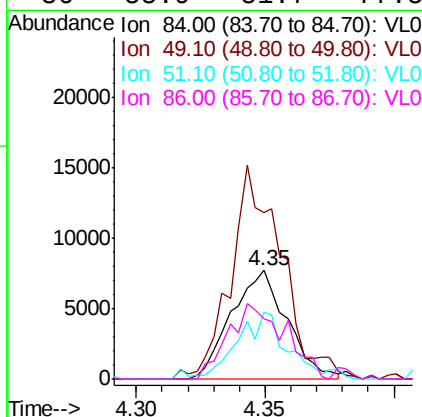
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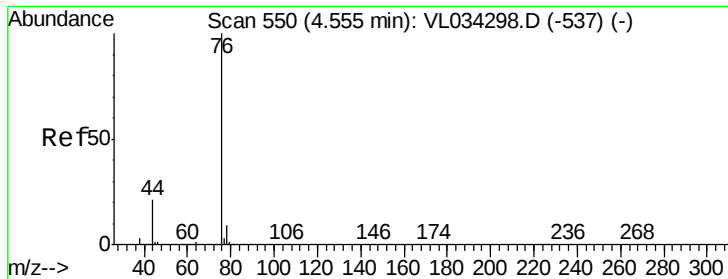
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#20
Methylene Chloride
Concen: 0.240 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL034326.D
Acq: 17 Oct 2019 21:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.8	118.5	177.7
51	57.2	38.8	58.2
86	55.9	51.7	77.5





#27

Carbon Disulfide

Concen: 0.095 ppbv m

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Instrument :

MSVOA_L

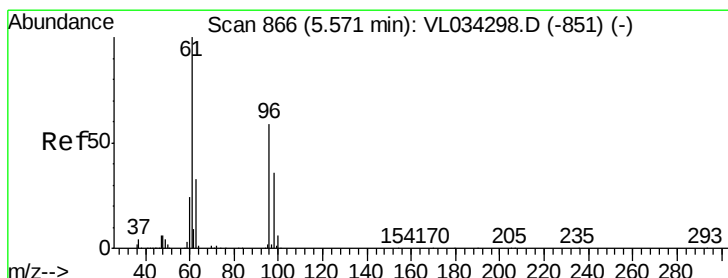
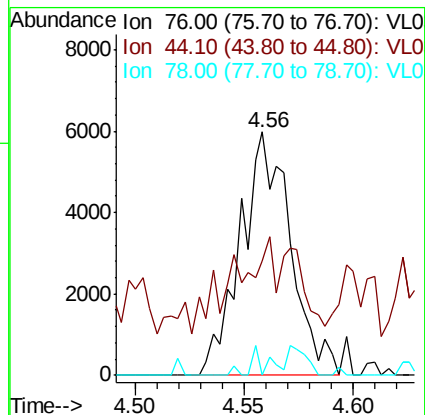
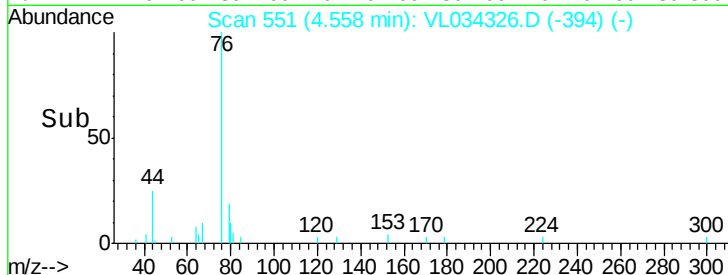
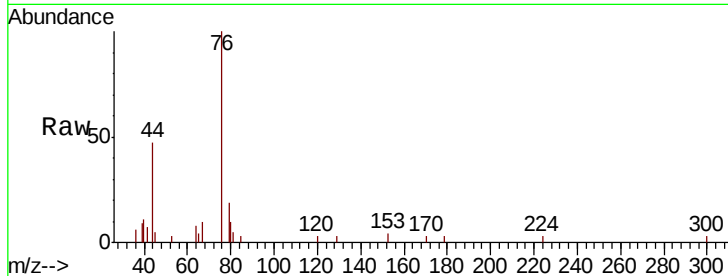
ClientSampled :

SV1DL2

Tot Ion:	76	Resp:	9524
Ion	Ratio	Lower	Upper
76	100		
44	59.2	17.3	25.9#
78	0.0	7.8	11.6#

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#31

cis-1,2-Dichloroethene

Concen: 0.202 ppbv

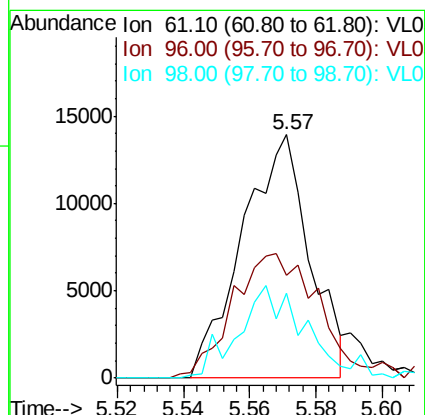
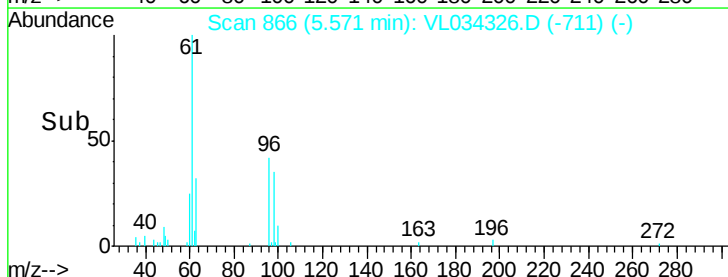
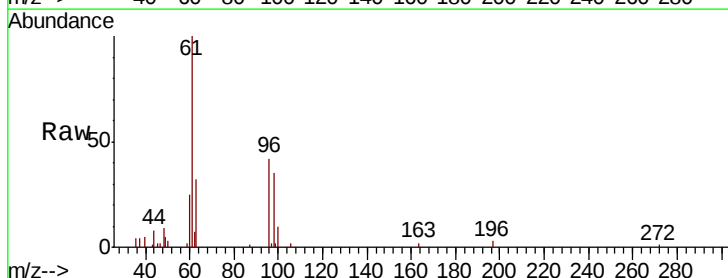
RT: 5.57 min Scan# 866

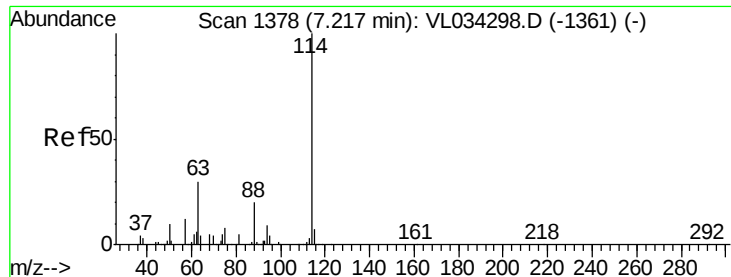
Delta R.T. -0.00 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Tgt Ion:	61	Resp:	19690
Ion	Ratio	Lower	Upper
61	100		
96	40.4	47.5	71.3#
98	33.7	28.8	43.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.01 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Instrument :

MSVOA_L

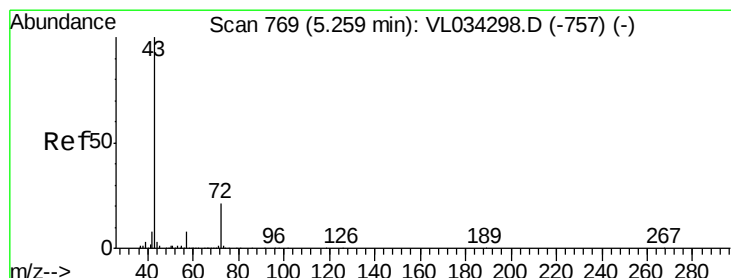
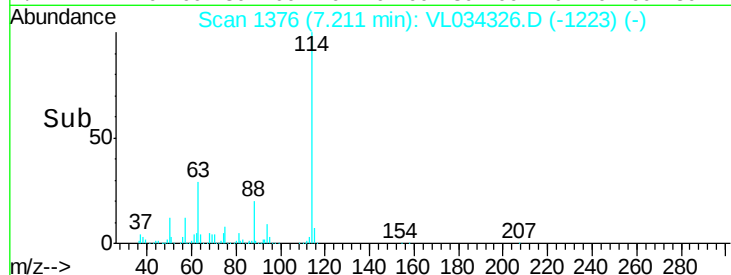
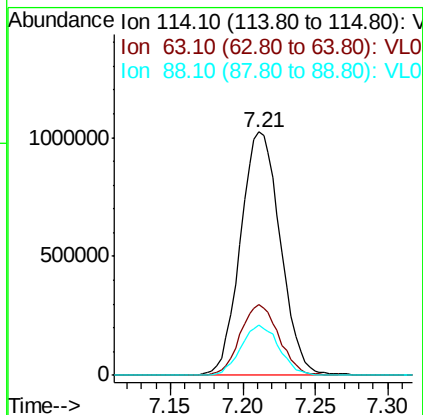
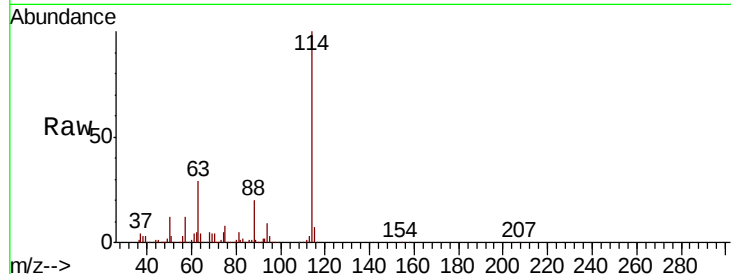
ClientSampleId :

SV1DL2

Tot Ion:	114	Resp:	1957475
Ion	Ratio	Lower	Upper
114	100		
63	28.4	25.2	37.8
88	19.9	16.0	24.0

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#34

2-Butanone

Concen: 0.204 ppbv m

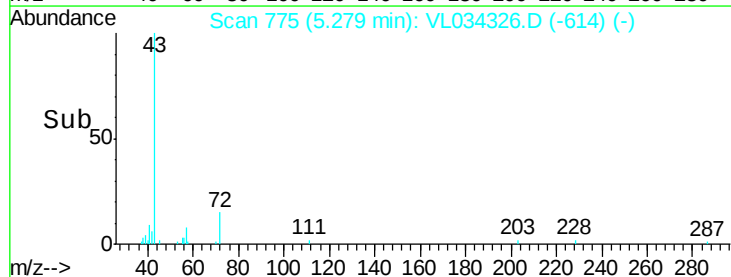
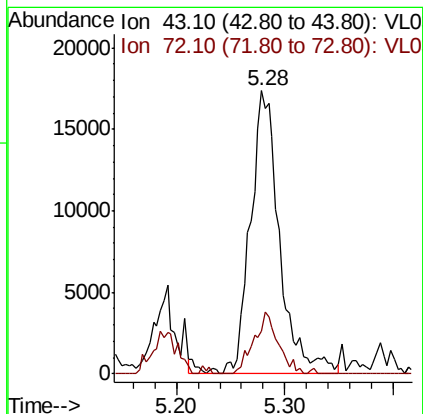
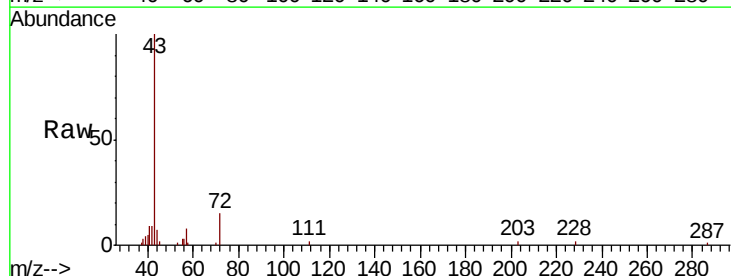
RT: 5.28 min Scan# 775

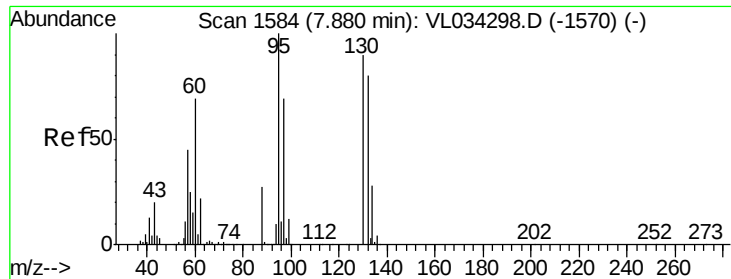
Delta R.T. 0.02 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Tgt Ion:	43	Resp:	32717
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.3	24.5#





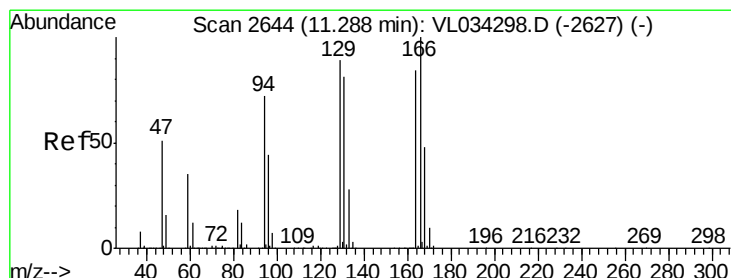
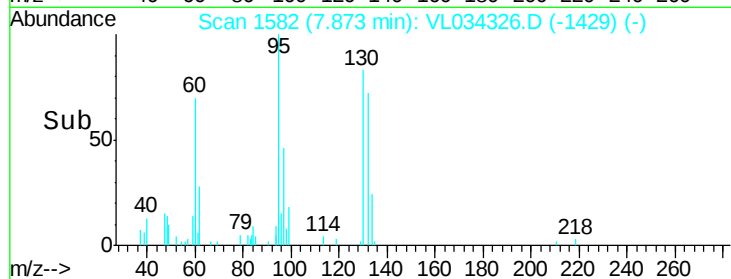
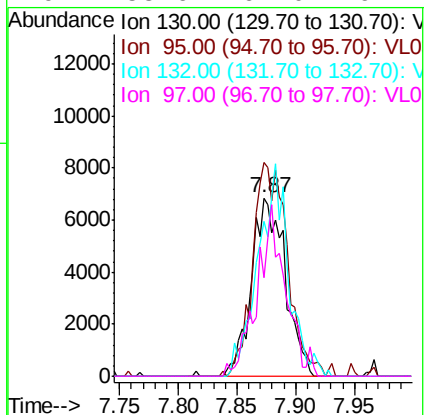
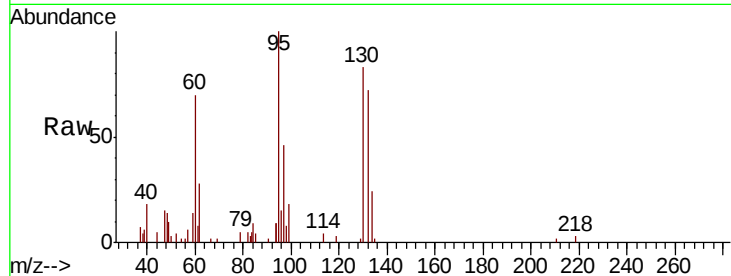
#38
 Trichloroethene
 Concen: 0.181 ppbv m
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL034326.D
 Acq: 17 Oct 2019 21:21

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Tot Ion	Ratio	Lower	Upper
130	100		
95	119.9	88.6	132.8
132	86.8	71.2	106.8
97	55.6	61.0	91.4#

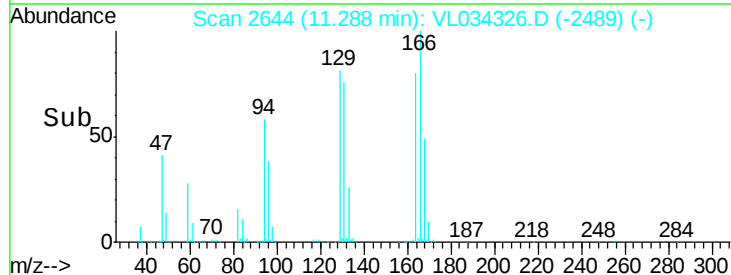
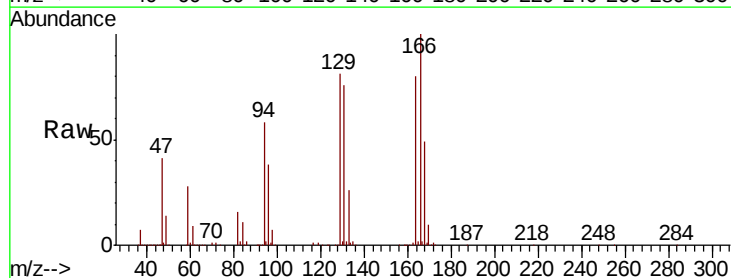
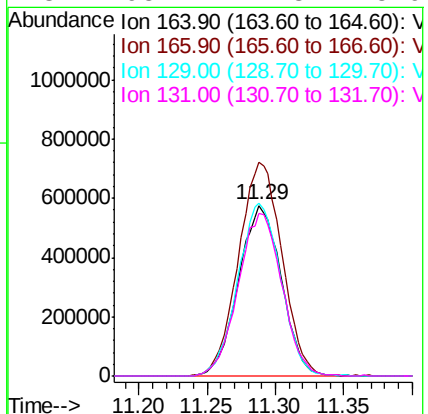
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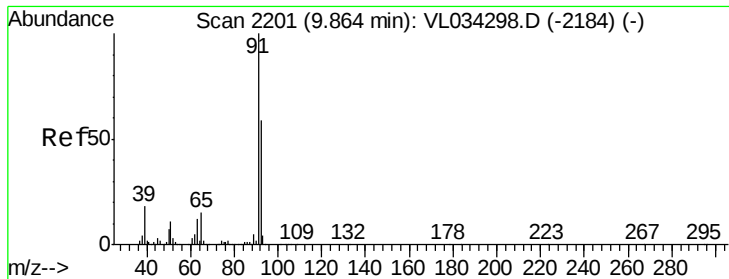
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#52
 Tetrachloroethene
 Concen: 16.925 ppbv
 RT: 11.29 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VL034326.D
 Acq: 17 Oct 2019 21:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	95.3	142.9
129	101.1	84.5	126.7
131	95.1	77.3	115.9





#53

Toluene

Concen: 0.127 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. -0.01 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tot Ion: 91 Resp: 26360

Ion Ratio Lower Upper

91 100

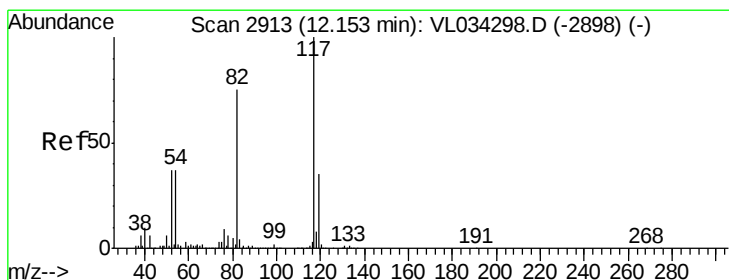
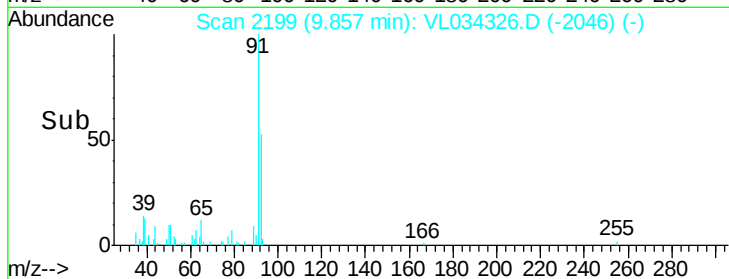
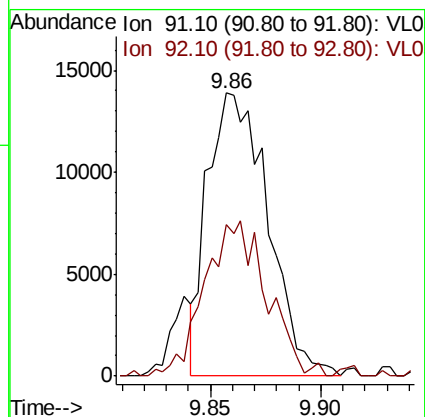
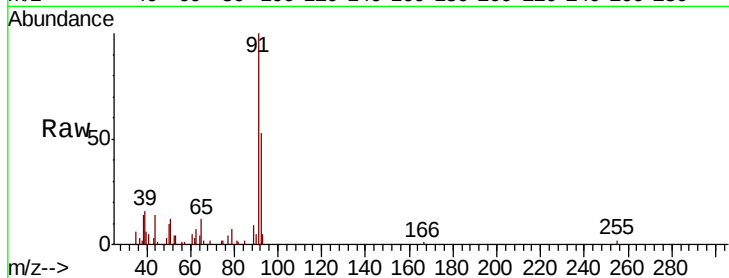
92 56.8 48.4 72.6

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

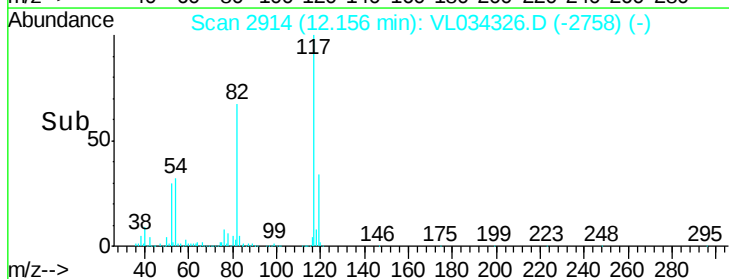
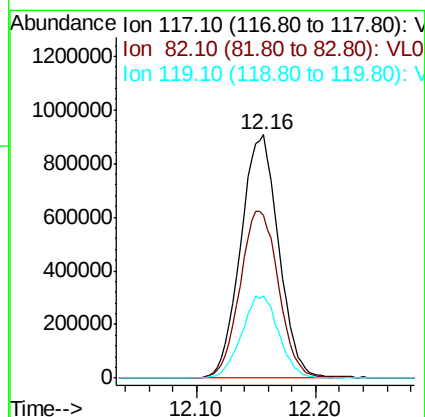
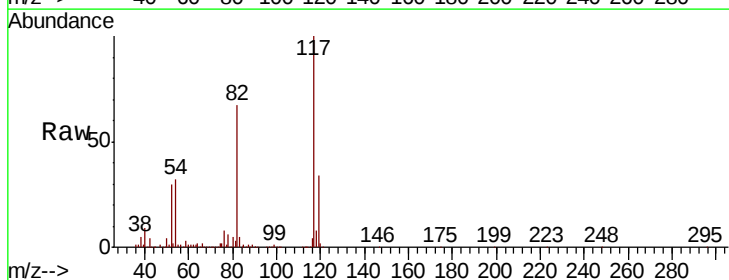
Tgt Ion: 117 Resp: 2002392

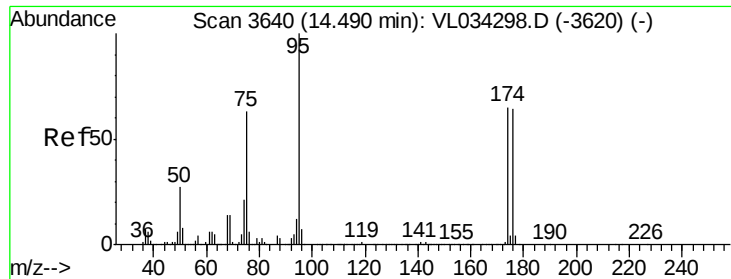
Ion Ratio Lower Upper

117 100

82 69.7 55.5 83.3

119 33.2 26.5 39.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.794 ppbv
 RT: 14.49 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VL034326.D
 Acq: 17 Oct 2019 21:21

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Tot Ion: 95 Resp: 1660893
 Ion Ratio Lower Upper
 95 100
 174 69.1 52.6 78.8
 175 5.1 3.8 5.6

Manual Integrations
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