

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034219.D
 Acq On : 2 Oct 2019 20:29
 Operator : SY/AP
 Sample : K5106-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Manual Integrations
 APPROVED

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 10/7/2019 12:30:32 PM

Quant Time: Oct 04 21:28:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	870586	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1595244	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	1610228	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1375815	9.83	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	214153	4.252	ppbv	92
13) Ethanol	3.62	45	29794	2.443	ppbv	100
15) Acetone	3.85	43	413373m	3.543	ppbv	
17) tert-Butyl alcohol	4.32	59	40797	0.552	ppbv	94
26) Hexane	5.72	57	58460	0.637	ppbv #	51
34) 2-Butanone	5.28	43	81831m	0.502	ppbv	
52) Tetrachloroethene	11.28	164	51790m	0.890	ppbv	
53) Toluene	9.86	91	83460	0.433	ppbv	97

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

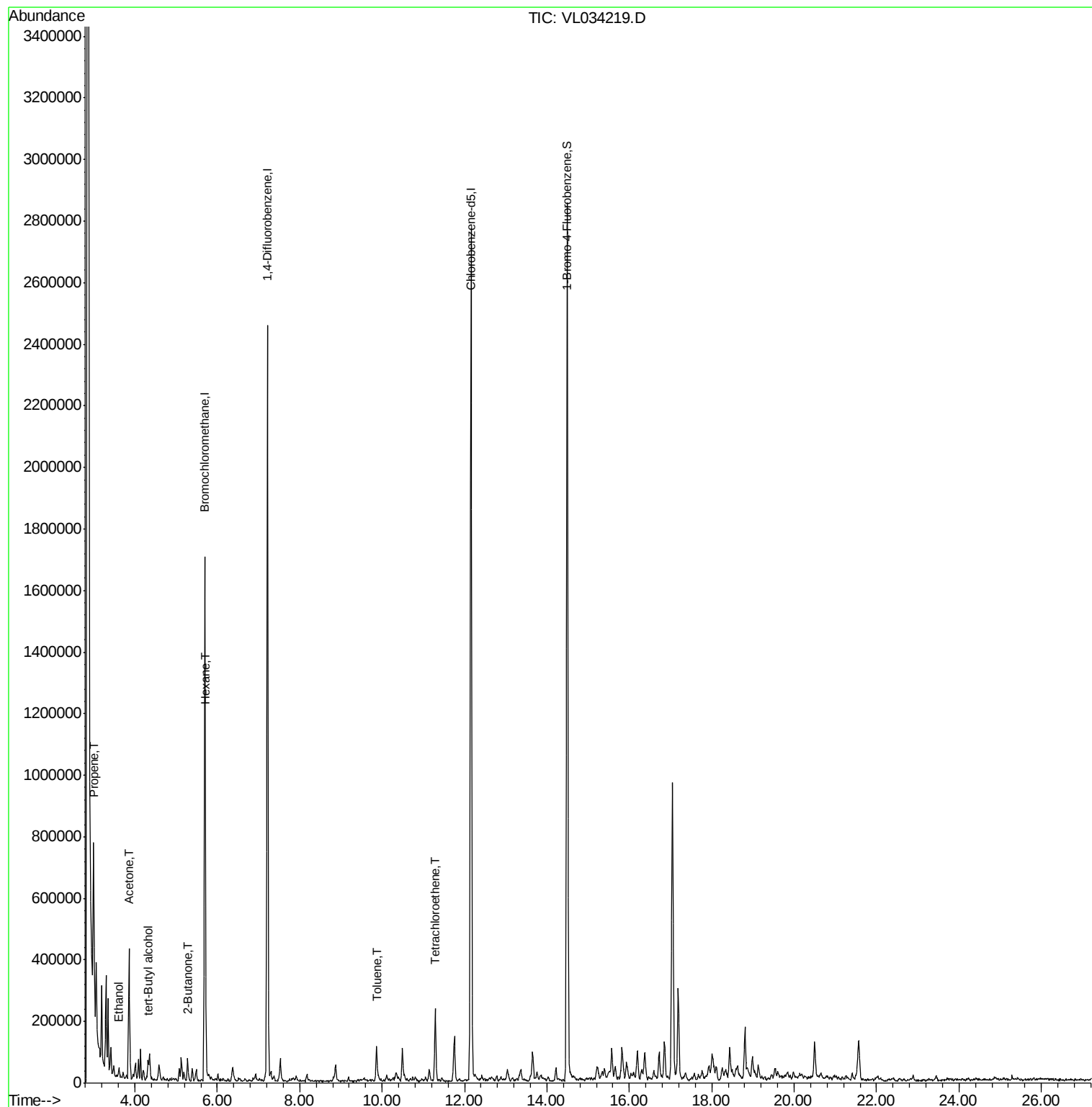
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Data File : VL034219.D
Acq On : 2 Oct 2019 20:29
Operator : SY/AP
Sample : K5106-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

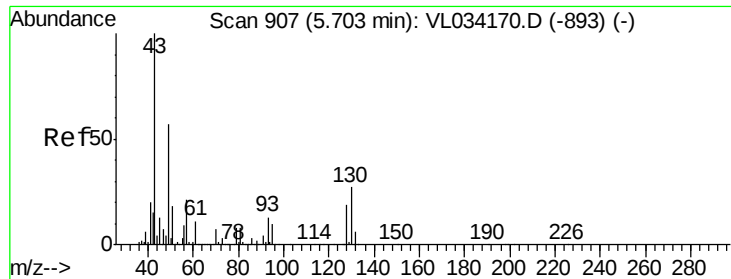
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Manual Integrations
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Quant Time: Oct 04 21:28:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL034219.D

Acq: 2 Oct 2019 20:29

Instrument :

MSVOA_L

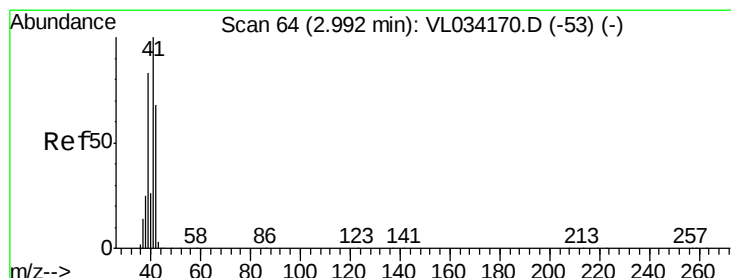
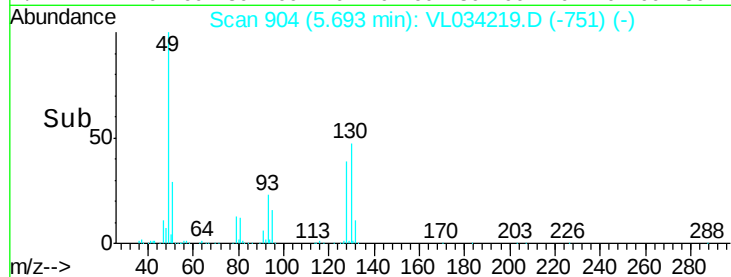
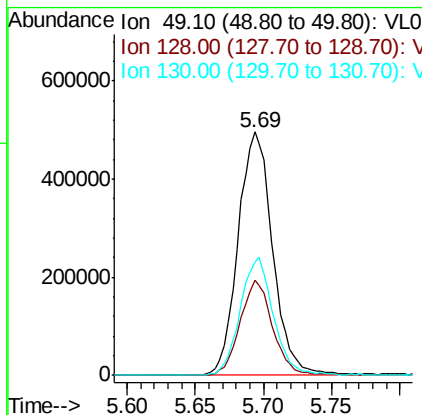
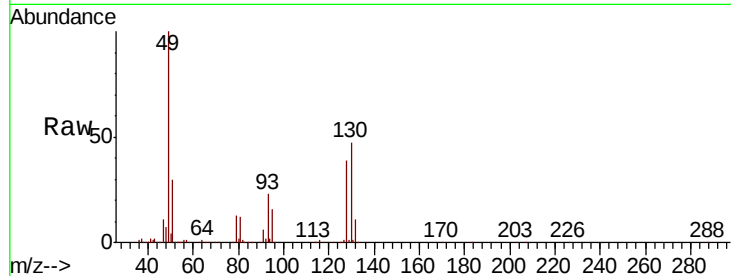
ClientSampleId :

SV-1DL

Tot Ion:	49	Resp:	870586
Ion	Ratio	Lower	Upper
49	100		
128	37.3	17.6	52.9
130	46.9	22.3	66.9

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#9

Propene

Concen: 4.252 ppbv

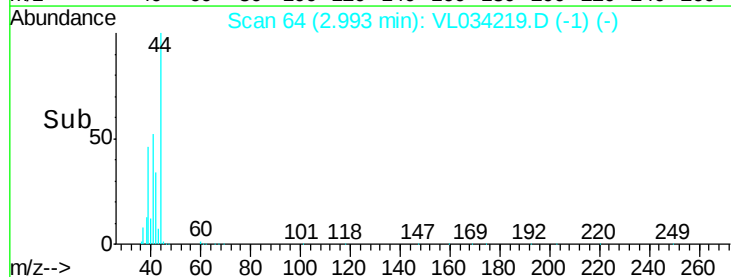
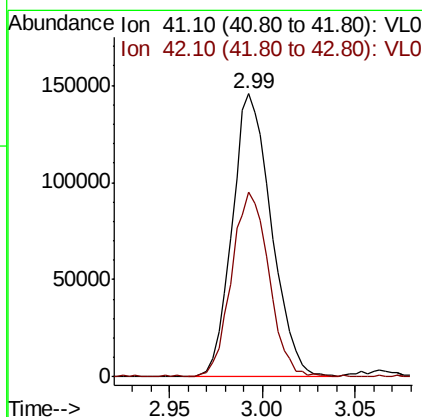
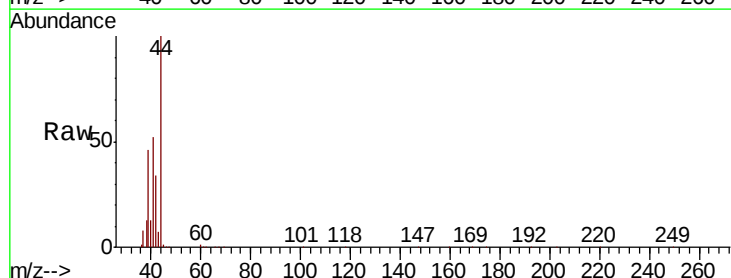
RT: 2.99 min Scan# 64

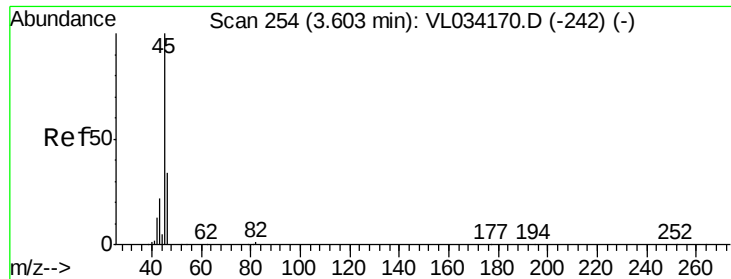
Delta R.T. 0.00 min

Lab File: VL034219.D

Acq: 2 Oct 2019 20:29

Tgt Ion:	41	Resp:	214153
Ion	Ratio	Lower	Upper
41	100		
42	62.8	55.8	83.6





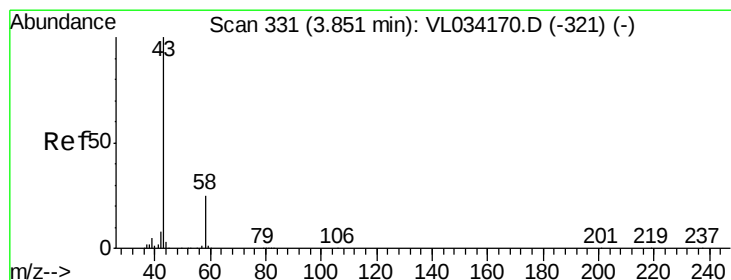
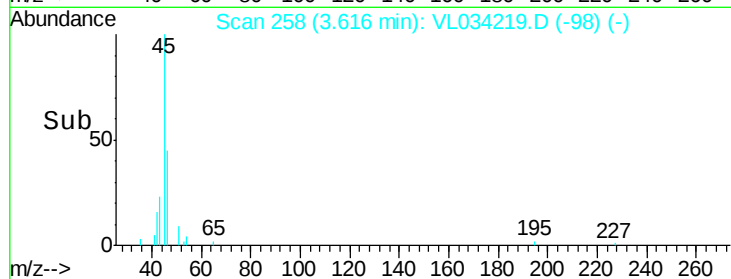
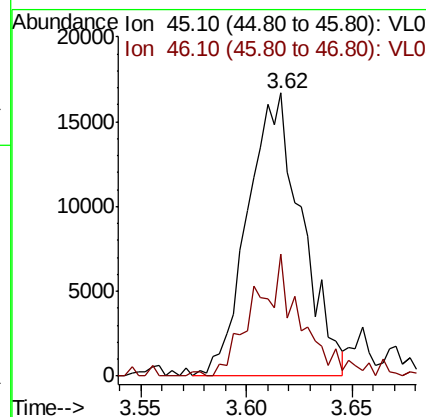
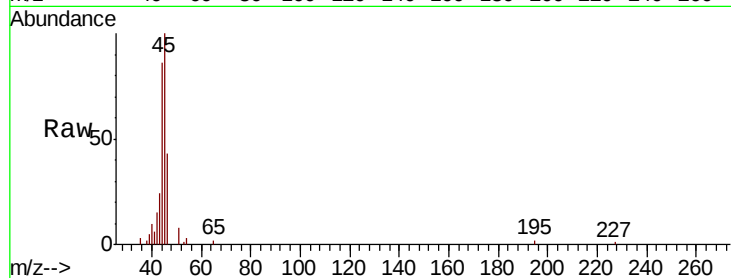
#13
Ethanol
Concen: 2.443 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL034219.D
Acq: 2 Oct 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tot Ion: 45 Resp: 29794
Ion Ratio Lower Upper
45 100
46 38.9 15.5 61.9

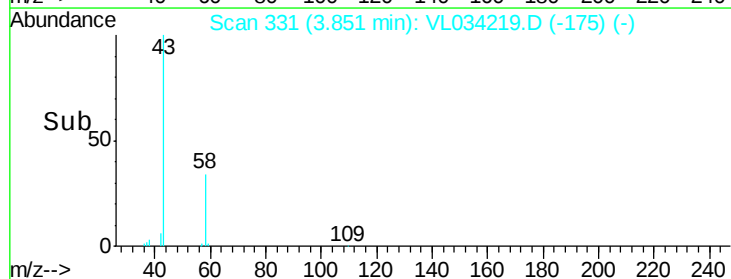
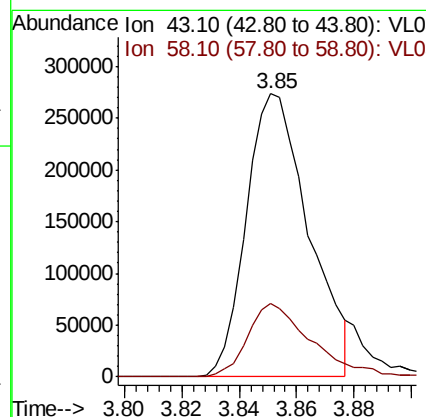
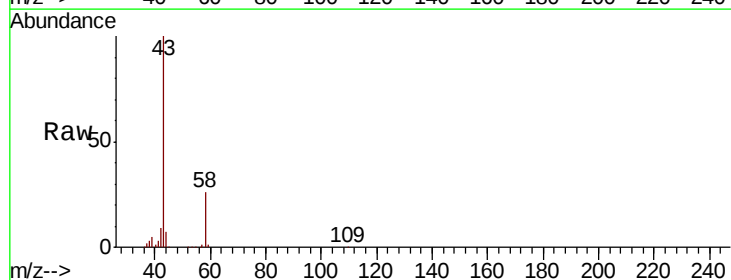
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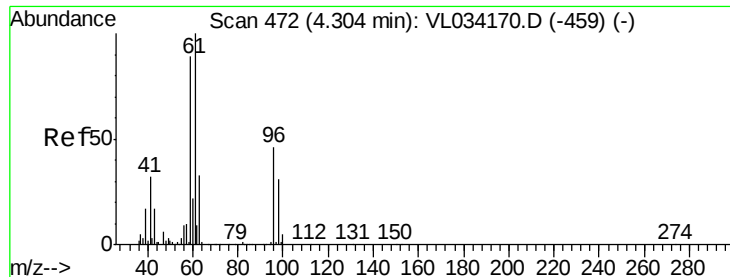
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#15
Acetone
Concen: 3.543 ppbv m
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL034219.D
Acq: 2 Oct 2019 20:29

Tgt Ion: 43 Resp: 413373
Ion Ratio Lower Upper
43 100
58 27.2 20.5 30.7





#17

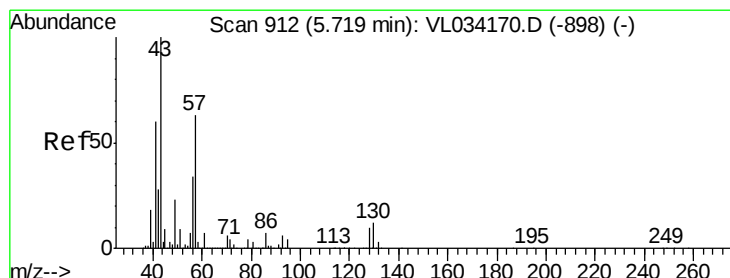
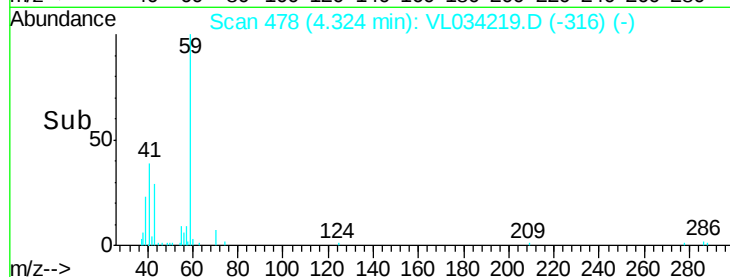
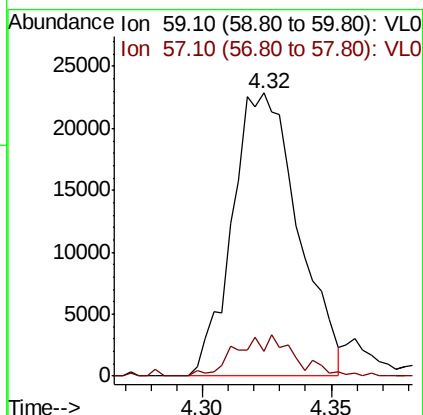
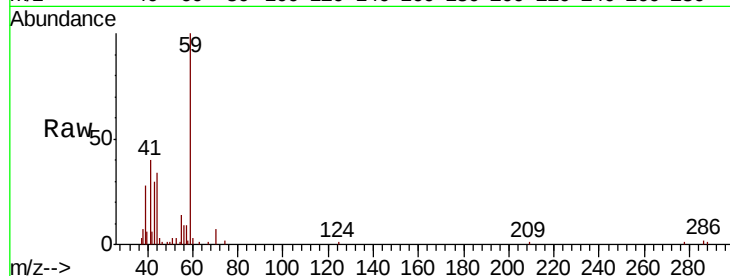
tert-Butyl alcohol
 Concen: 0.552 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.02 min
 Lab File: VL034219.D
 Acq: 2 Oct 2019 20:29

Instrument :
 MSVOA_L
 ClientSampled :
 SV-1DL

Tot Ion: 59 Resp: 40797
 Ion Ratio Lower Upper
 59 100
 57 13.0 8.7 13.1

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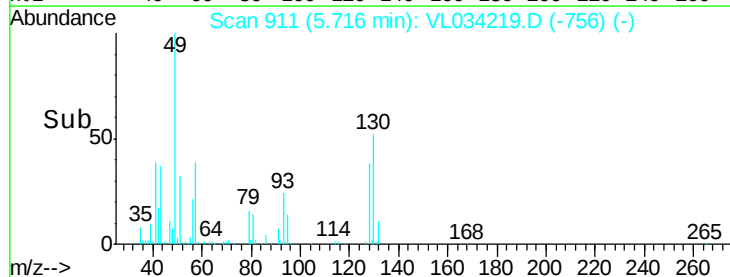
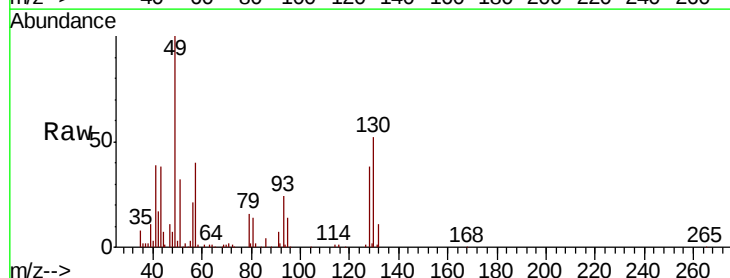
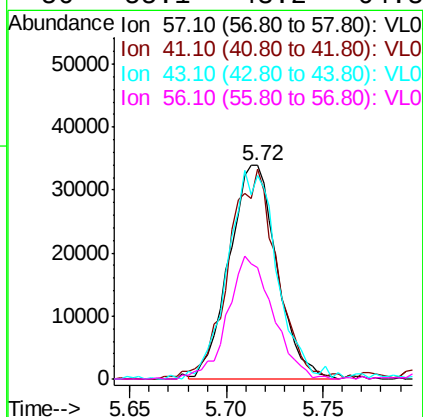
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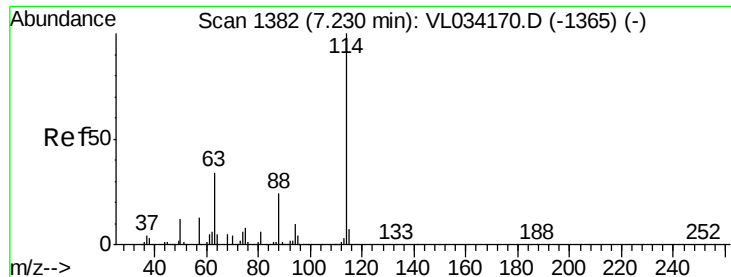


#26

Hexane
 Concen: 0.637 ppbv
 RT: 5.72 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VL034219.D
 Acq: 2 Oct 2019 20:29

Tgt Ion: 57 Resp: 58460
 Ion Ratio Lower Upper
 57 100
 41 99.0 78.5 117.7
 43 101.9 189.5 284.3#
 56 55.1 43.2 64.8





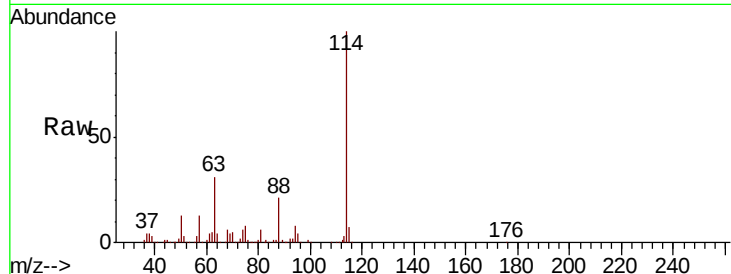
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VL034219.D
 Acq: 2 Oct 2019 20:29

Instrument :
 MSVOA_L
 ClientSampled :
 SV-1DL

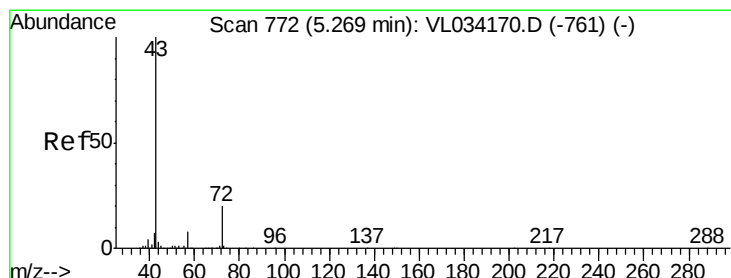
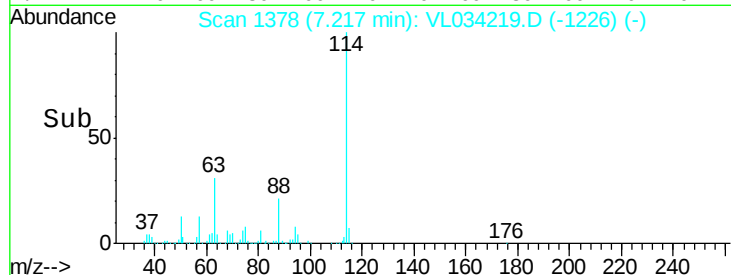
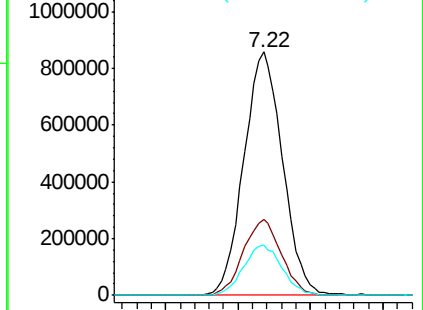
Tot Ion	Ratio	Lower	Upper
114	100		
63	30.7	27.8	41.6
88	20.7	17.1	25.7

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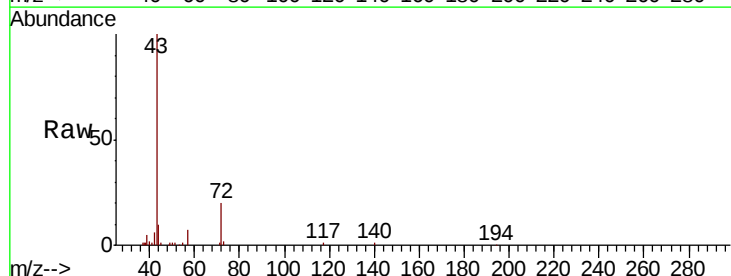


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

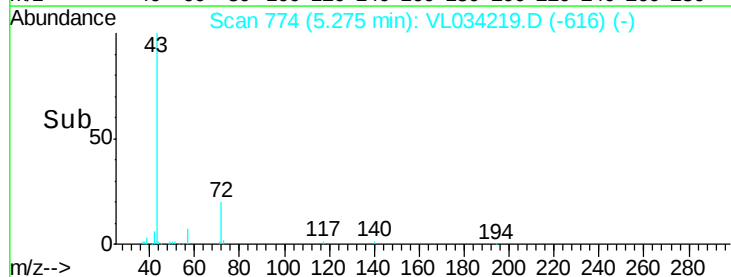
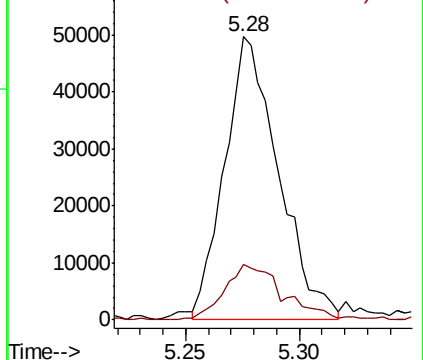


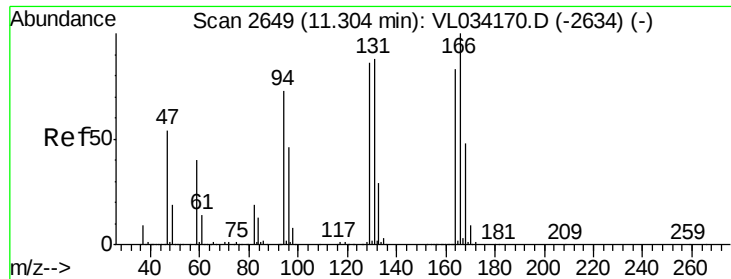
#34
 2-Butanone
 Concen: 0.502 ppbv m
 RT: 5.28 min Scan# 774
 Delta R.T. 0.01 min
 Lab File: VL034219.D
 Acq: 2 Oct 2019 20:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.0	22.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#52

Tetrachloroethene

Concen: 0.890 ppbv m

RT: 11.28 min Scan# 2643

Delta R.T. -0.02 min

Lab File: VL034219.D

Acq: 2 Oct 2019 20:29

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

Tot Ion:164 Resp: 51790

Ion Ratio Lower Upper

164 100

166 99.9 96.7 145.1

129 78.8 82.8 124.2#

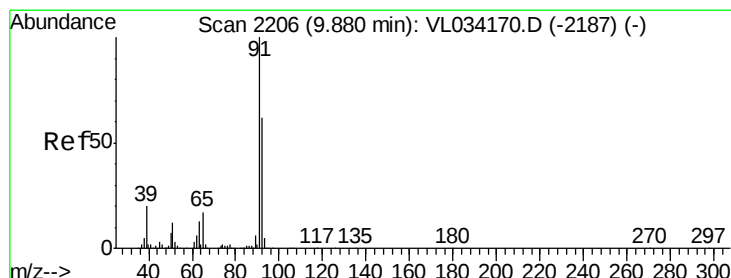
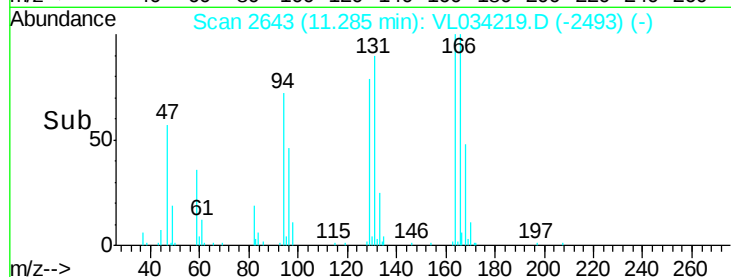
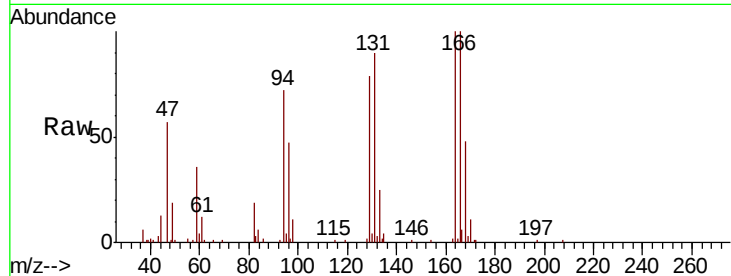
131 90.4 85.0 127.6

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#53

Toluene

Concen: 0.433 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. -0.02 min

Lab File: VL034219.D

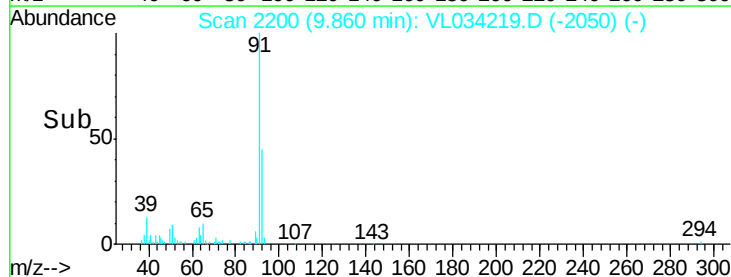
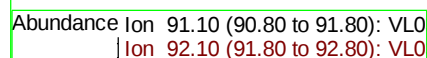
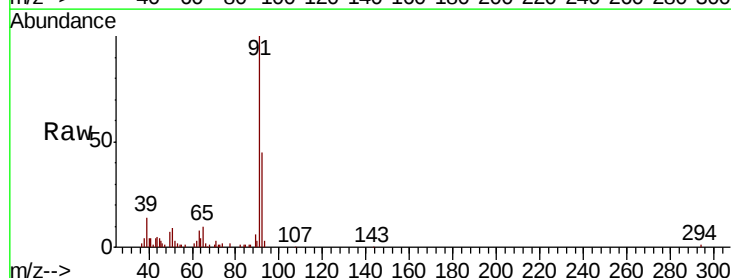
Acq: 2 Oct 2019 20:29

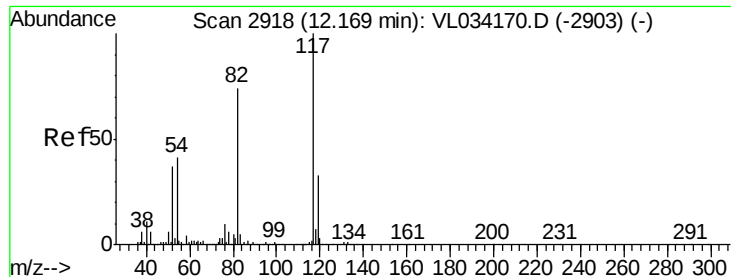
Tgt Ion: 91 Resp: 83460

Ion Ratio Lower Upper

91 100

92 58.7 49.0 73.6





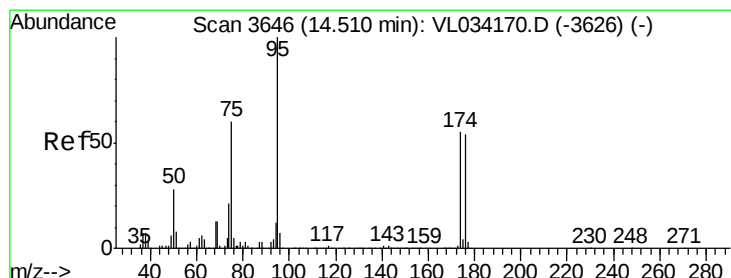
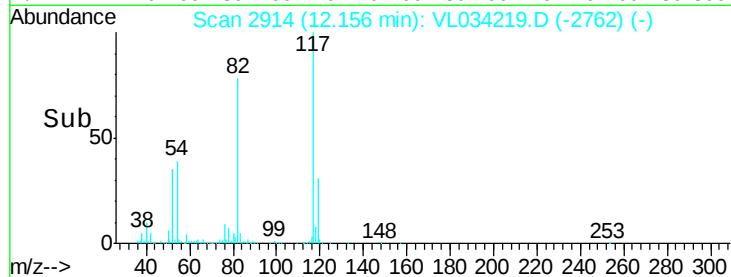
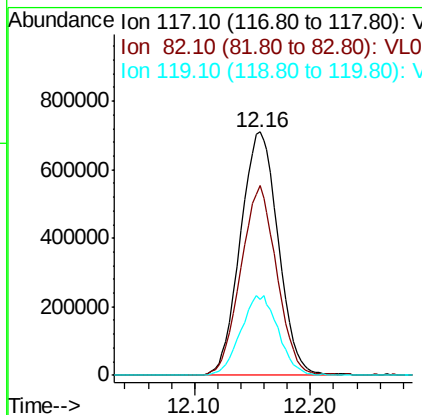
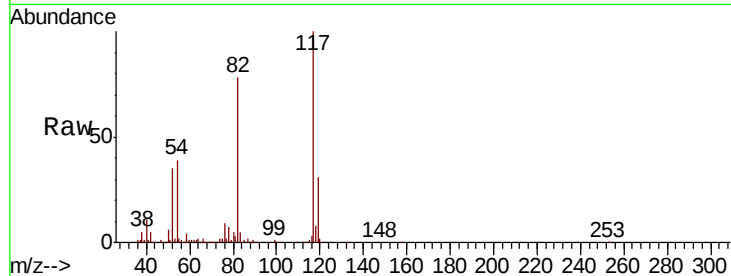
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Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL034219.D
Acq: 2 Oct 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tot Ion:117 Resp: 1610228
Ion Ratio Lower Upper
117 100
82 74.1 58.2 87.4
119 32.6 23.7 35.5

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.833 ppbv
RT: 14.49 min Scan# 3641
Delta R.T. -0.02 min
Lab File: VL034219.D
Acq: 2 Oct 2019 20:29

Tgt Ion: 95 Resp: 1375815
Ion Ratio Lower Upper
95 100
174 60.9 45.1 67.7
175 4.3 3.3 4.9

