

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034213.D
 Acq On : 2 Oct 2019 16:32
 Operator : SY/AP
 Sample : K5106-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Manual Integrations
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Quant Time: Oct 04 21:22:34 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	5.70	49	944239	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1706826	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1737539	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.49	95	1501021	9.94	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.12	50	18667	0.287	ppbv	96
9) Propene	2.99	41	830669	15.207	ppbv	94
10) Heptane	8.17	43	47003m	0.330	ppbv	
13) Ethanol	3.60	45	351111	26.545	ppbv	99
15) Acetone	3.85	43	1008906m	7.972	ppbv	
17) tert-Butyl alcohol	4.31	59	131615	1.641	ppbv	97
19) Isopropyl Alcohol	3.98	45	156737	2.014	ppbv #	1
26) Hexane	5.71	57	161543m	1.623	ppbv	
27) Carbon Disulfide	4.56	76	395272	4.305	ppbv	99
30) Cyclohexane	7.17	84	63891	0.889	ppbv	98
34) 2-Butanone	5.27	43	246346	1.414	ppbv	99
36) Benzene	6.93	78	41964m	0.223	ppbv	
52) Tetrachloroethene	11.29	164	125307m	2.012	ppbv	
53) Toluene	9.87	91	235730	1.144	ppbv	100
59) m/p-Xylene	13.03	91	92048m	0.396	ppbv	

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

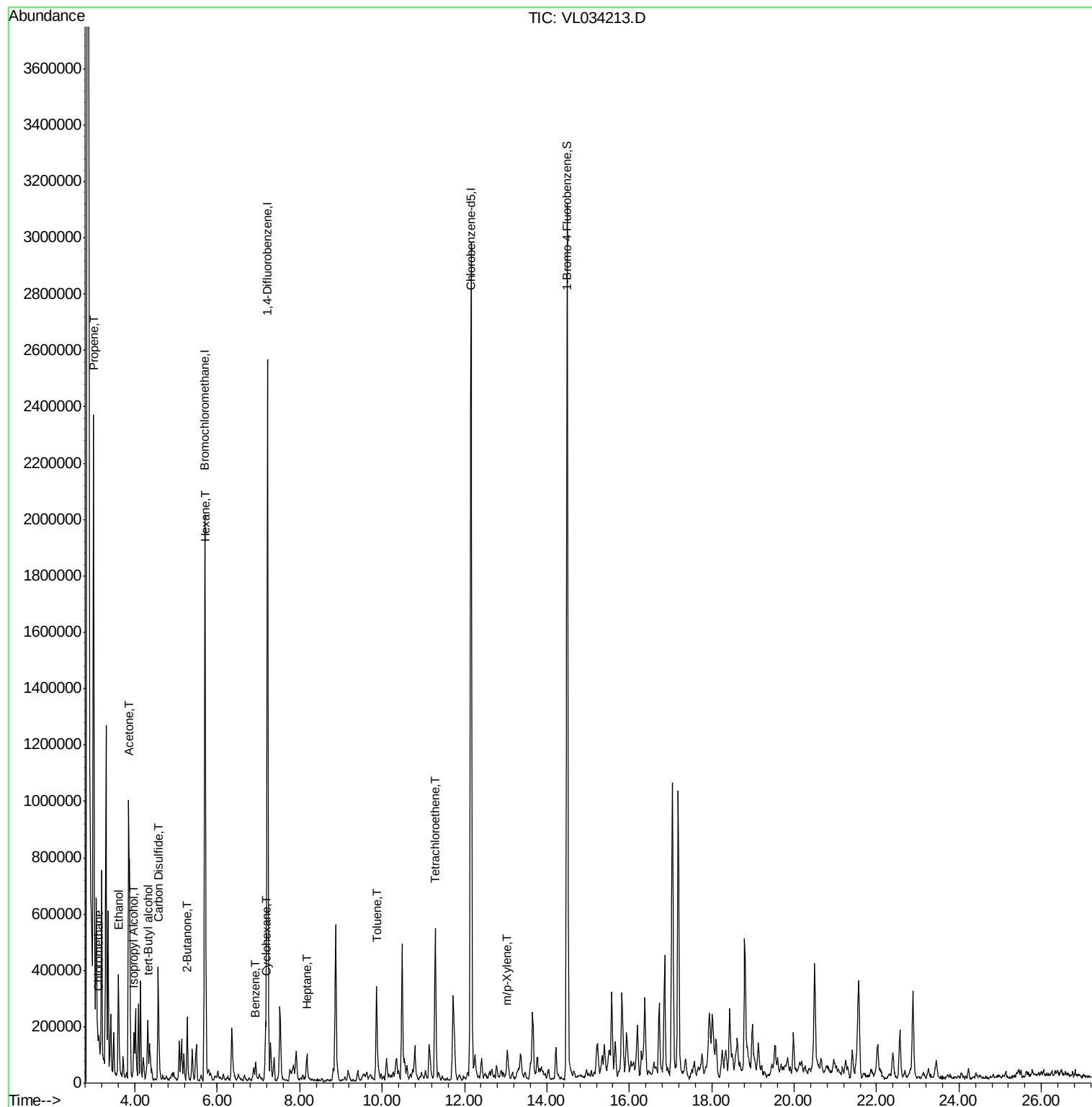
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL100219\
Data File : VL034213.D
Acq On : 2 Oct 2019 16:32
Operator : SY/AP
Sample : K5106-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

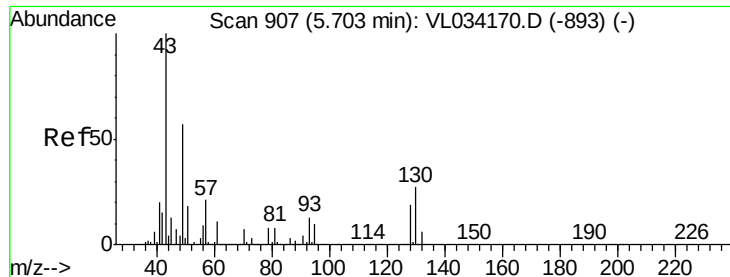
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

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10/7/2019 12:29:51 PM

Quant Time: Oct 04 21:22:34 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: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

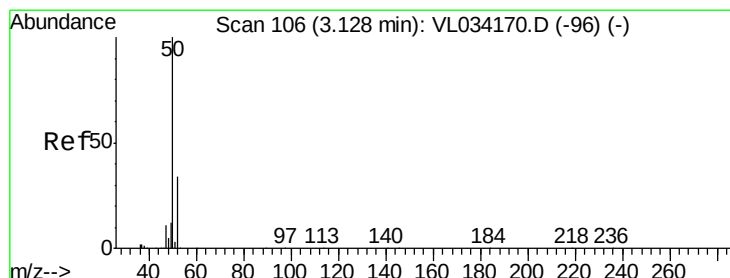
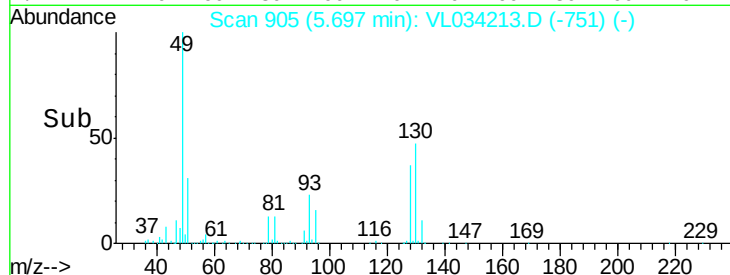
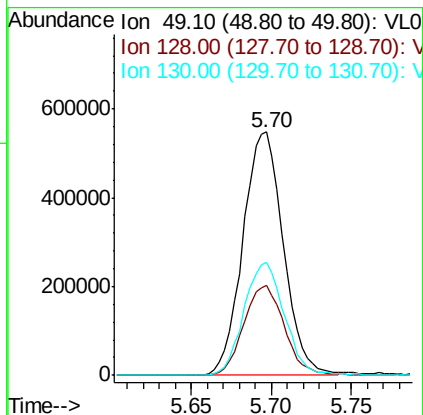
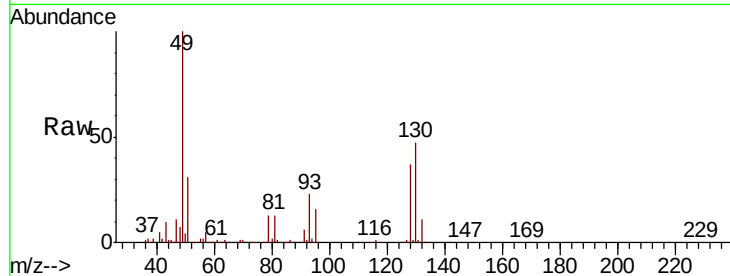
ClientSampleId :

SV-2DL

Tot Ion:	49	Resp:	944239
Ion	Ratio	Lower	Upper
49	100		
128	37.1	17.6	52.9
130	46.9	22.3	66.9

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#4

Chloromethane

Concen: 0.287 ppbv

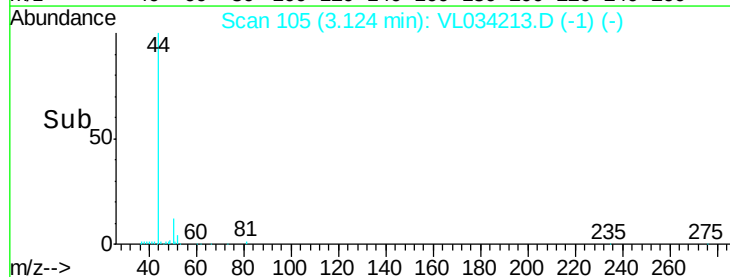
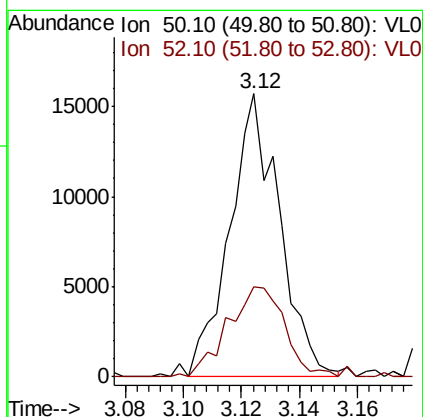
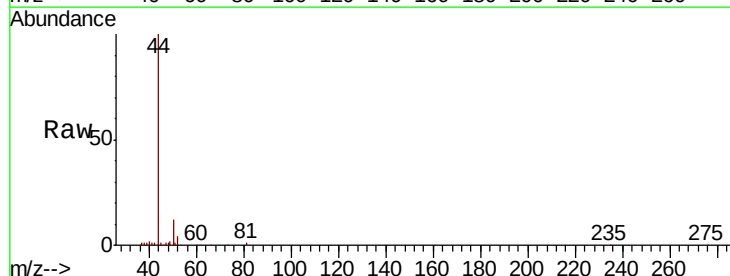
RT: 3.12 min Scan# 105

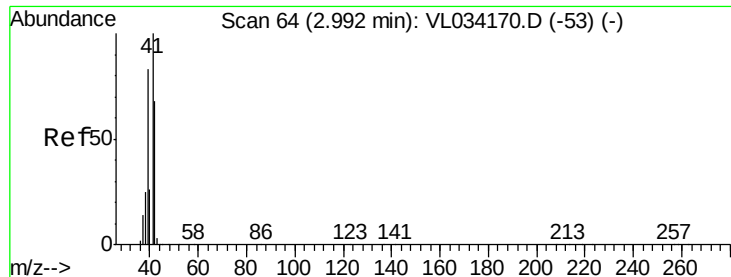
Delta R.T. -0.00 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Tgt Ion:	50	Resp:	18667
Ion	Ratio	Lower	Upper
50	100		
52	31.6	27.1	40.7





#9

Propene

Concen: 15.207 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

Tot Ion: 41 Resp: 830669

Ion Ratio Lower Upper

41 100

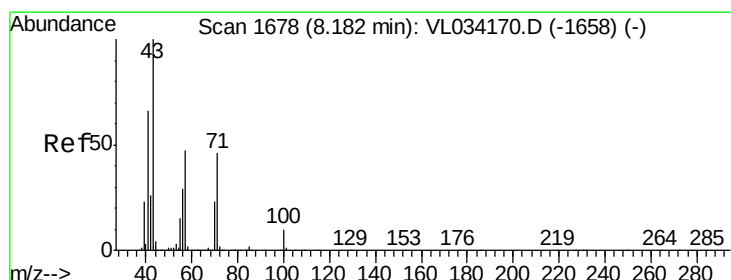
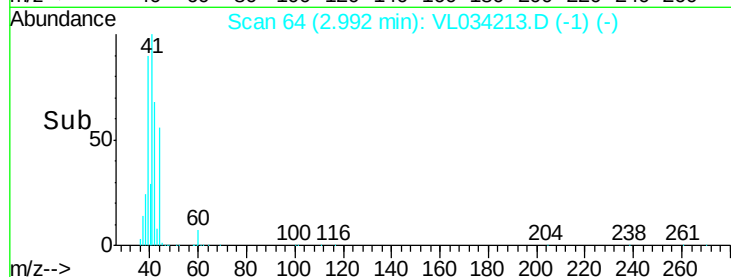
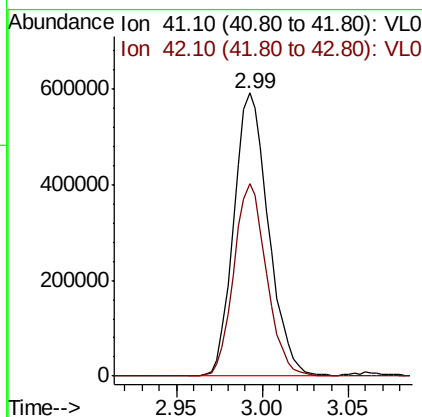
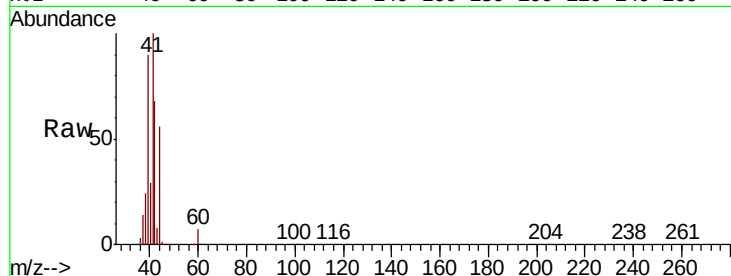
42 64.7 55.8 83.6

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#10

Heptane

Concen: 0.330 ppbv m

RT: 8.17 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VL034213.D

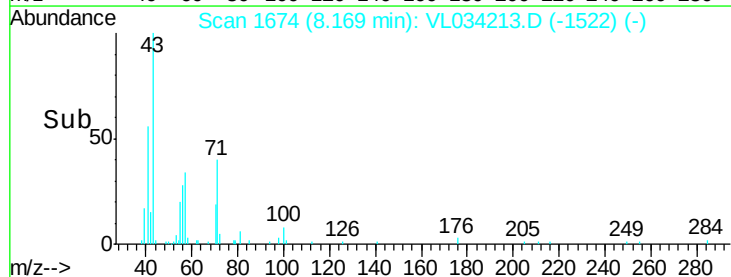
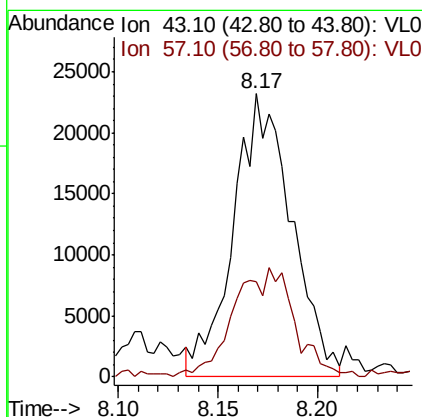
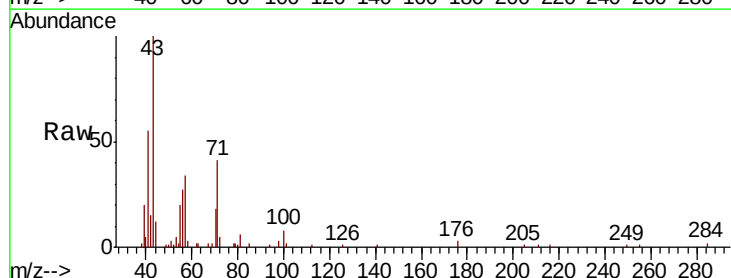
Acq: 2 Oct 2019 16:32

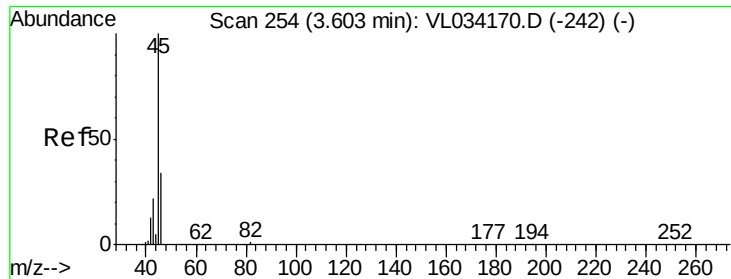
Tgt Ion: 43 Resp: 47003

Ion Ratio Lower Upper

43 100

57 41.0 37.5 56.3





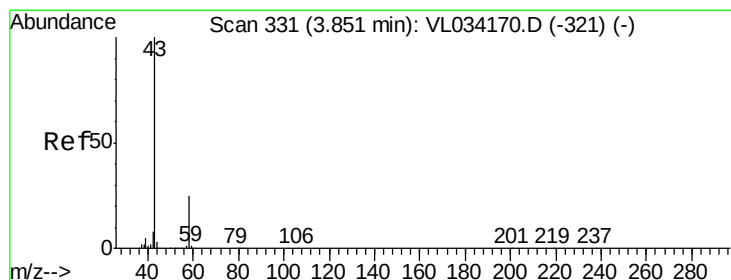
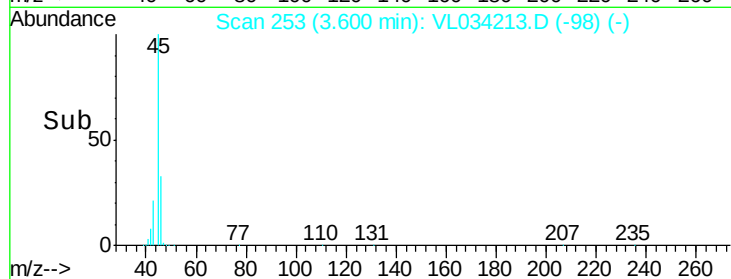
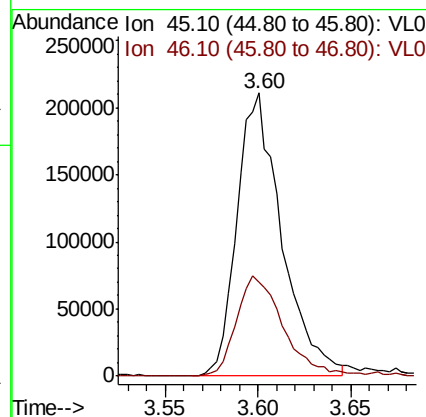
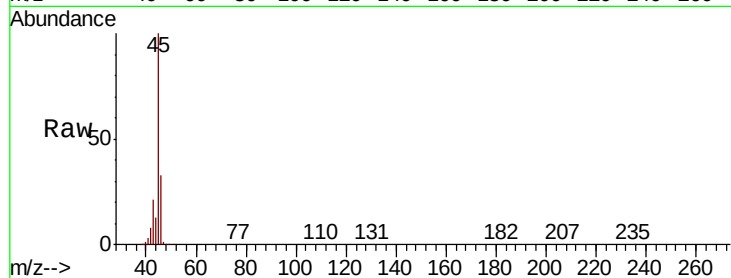
#13
Ethanol
Concen: 26.545 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tot Ion	45	Resp	351111
Ion Ratio	100	Lower	Upper
46	38.0	15.5	61.9

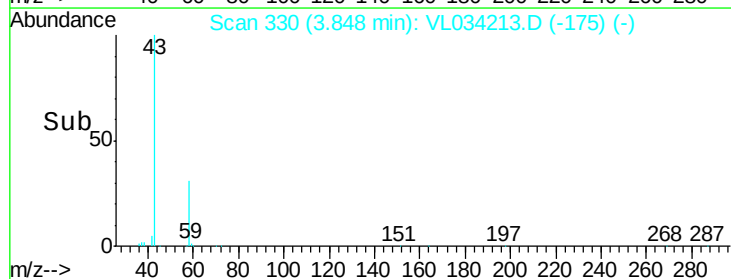
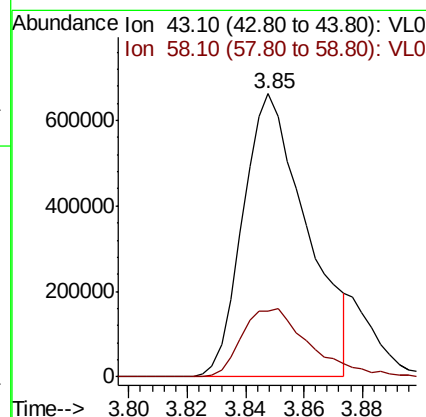
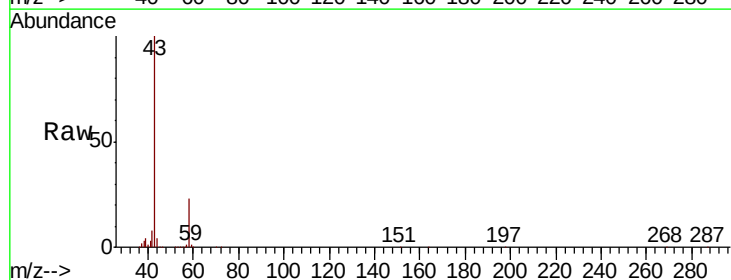
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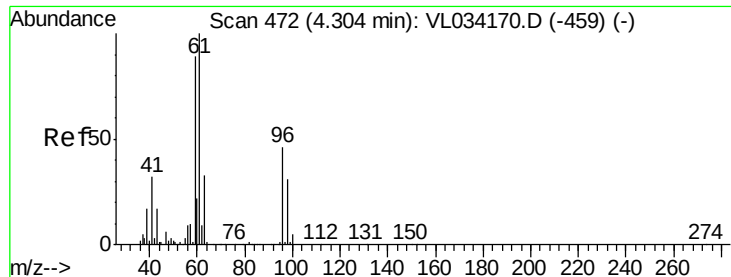
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#15
Acetone
Concen: 7.972 ppbv m
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Tgt Ion	43	Resp	1008906
Ion Ratio	100	Lower	Upper
58	25.8	20.5	30.7





#17

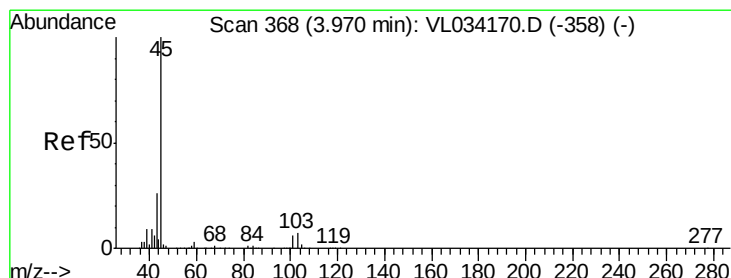
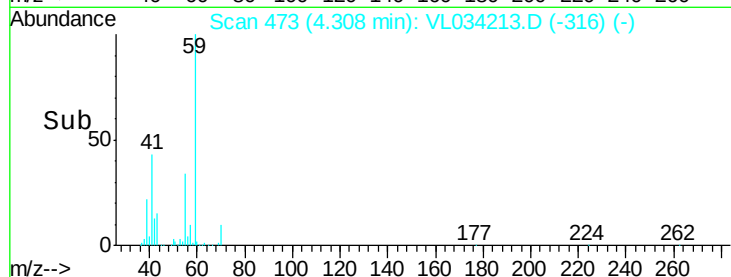
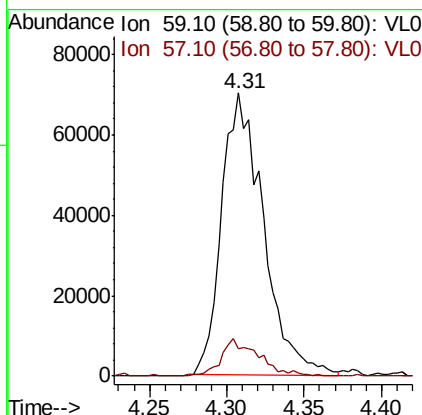
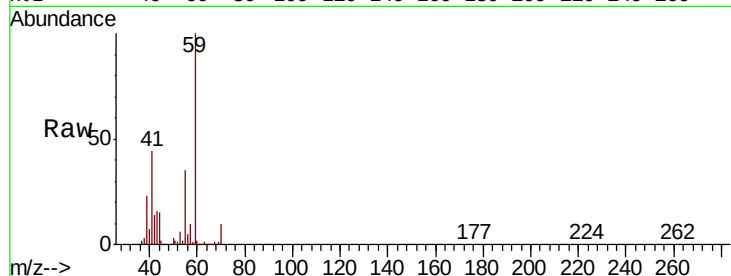
tert-Butyl alcohol
Concen: 1.641 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.00 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.7	13.1

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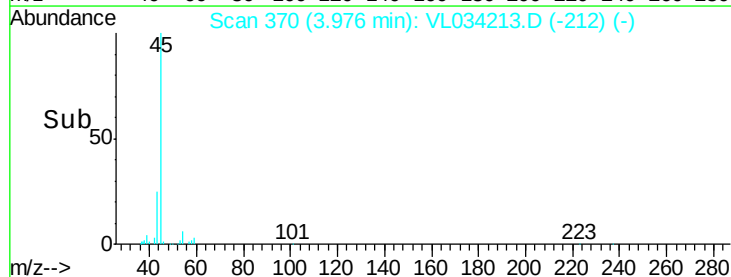
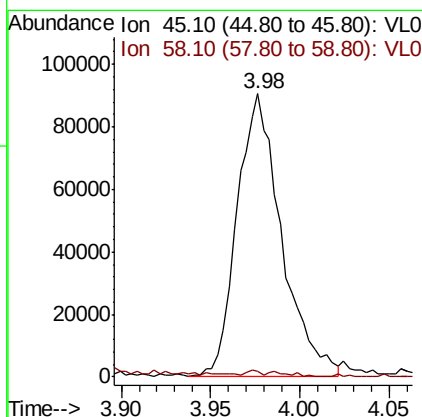
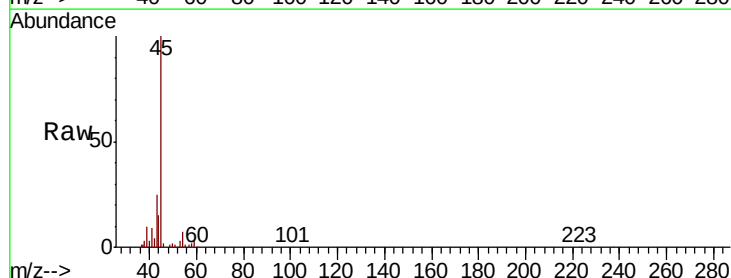
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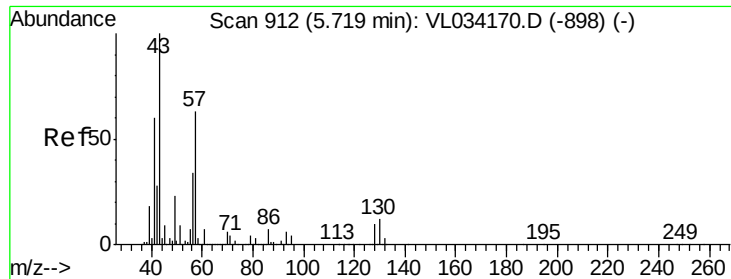


#19

Isopropyl Alcohol
Concen: 2.014 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Tgt Ion	Ratio	Lower	Upper
45	100		
58	168.2	1.4	2.0#





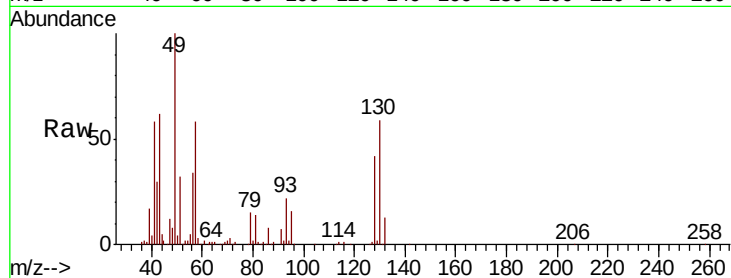
#26
Hexane
Concen: 1.623 ppbv m
RT: 5.71 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Instrument :
MSVOA_L
ClientSampled :
SV-2DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	100.8	78.5	117.7
43	114.3	189.5	284.3#
56	56.4	43.2	64.8

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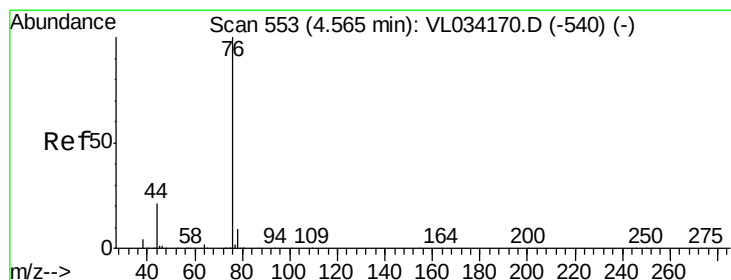
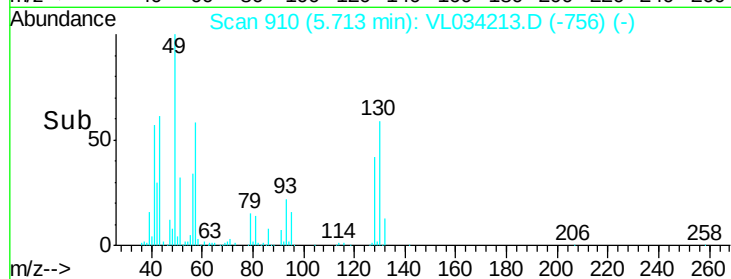
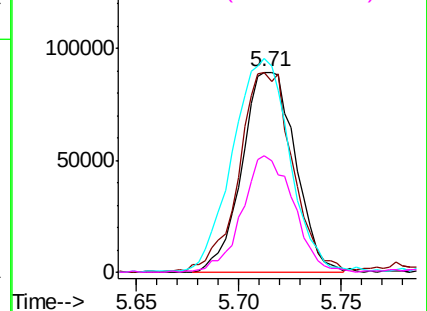
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

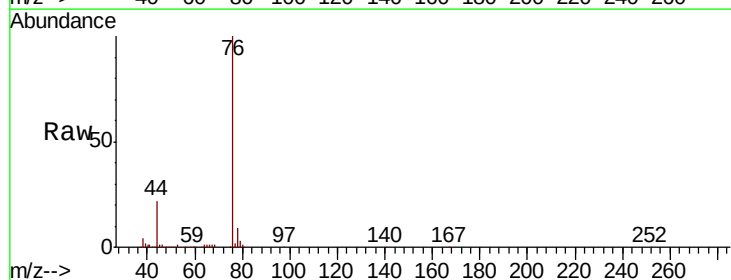
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27
Carbon Disulfide
Concen: 4.305 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.00 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Tgt Ion	Ratio	Lower	Upper
76	100		
44	22.5	17.6	26.4
78	8.9	7.6	11.4

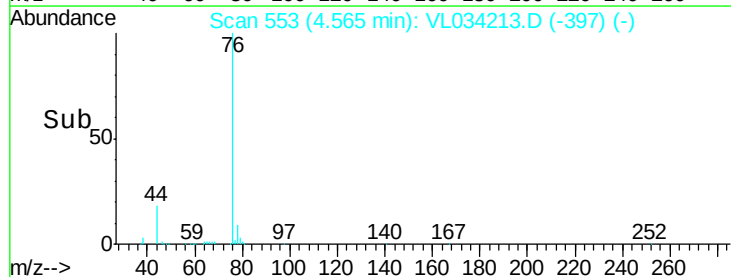
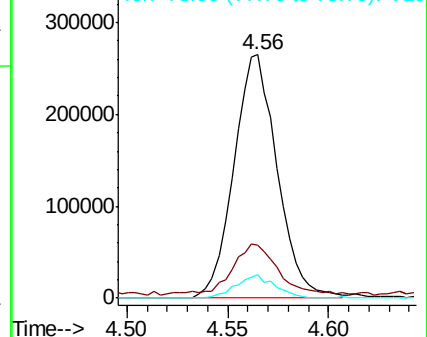


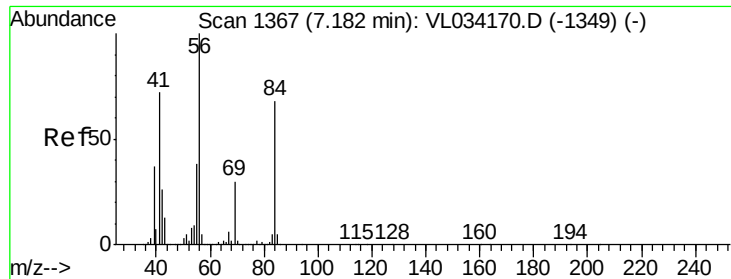
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





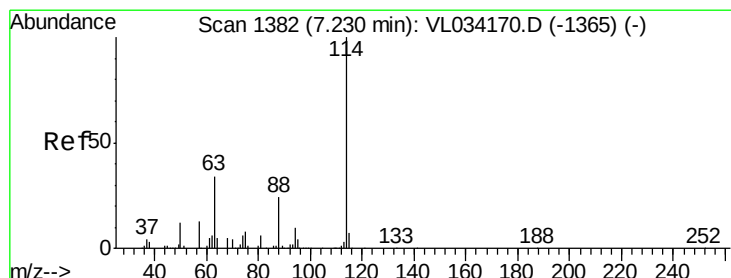
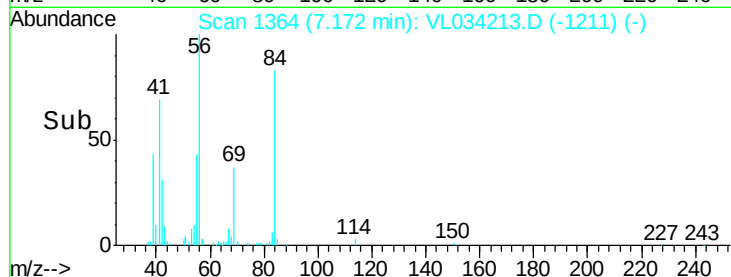
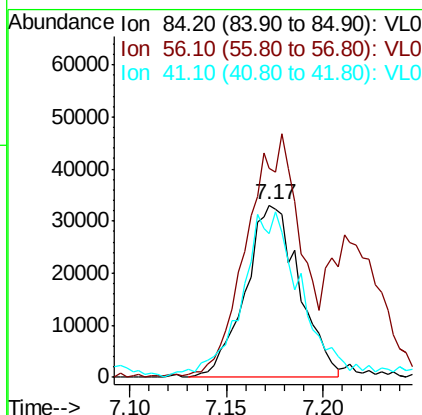
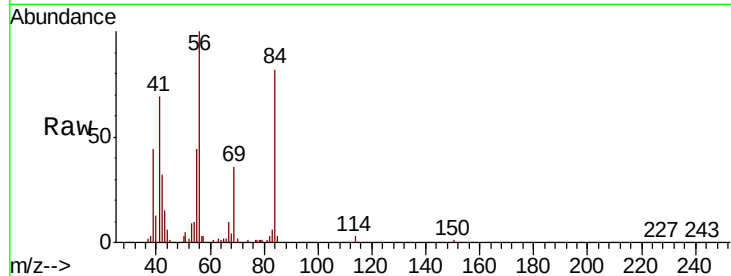
#30
Cyclohexane
Concen: 0.889 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Instrument :
MSVOA_L
ClientSampled :
SV-2DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	155.1	126.2	189.2
41	108.3	85.8	128.8

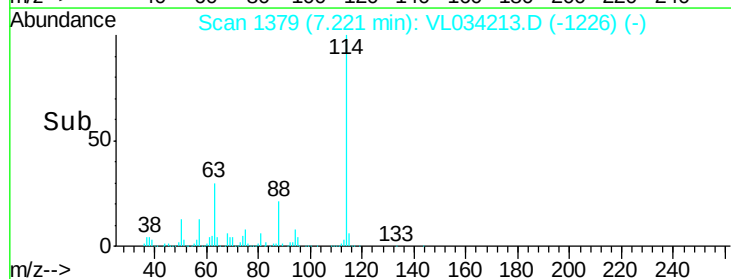
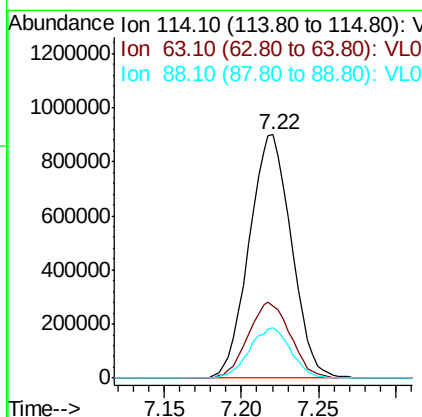
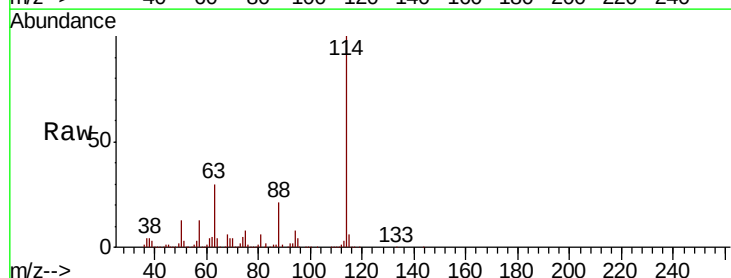
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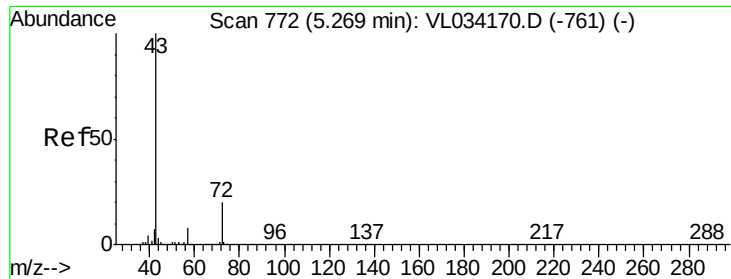
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	31.5	27.8	41.6
88	20.3	17.1	25.7





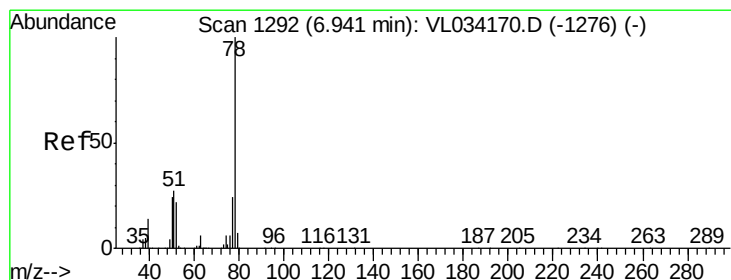
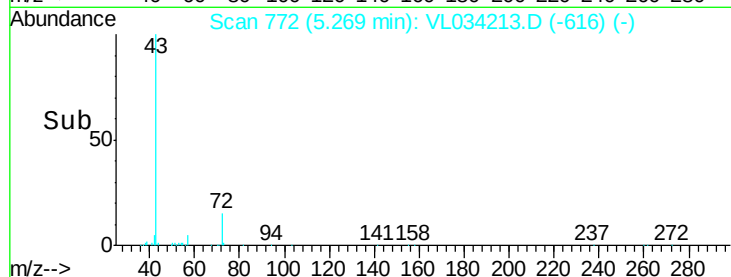
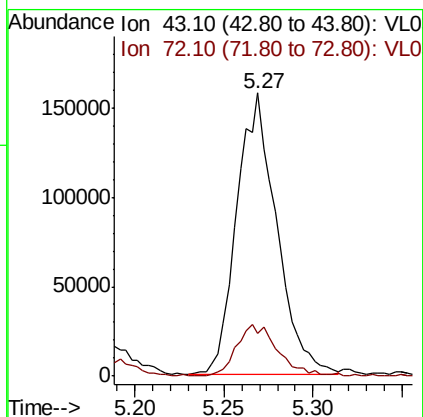
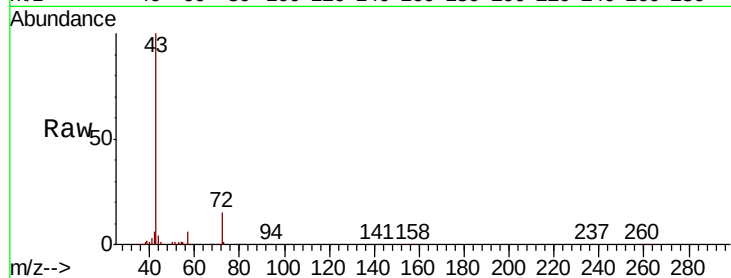
#34
 2-Butanone
 Concen: 1.414 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: VL034213.D
 Acq: 2 Oct 2019 16:32

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	19.3	15.0	22.6

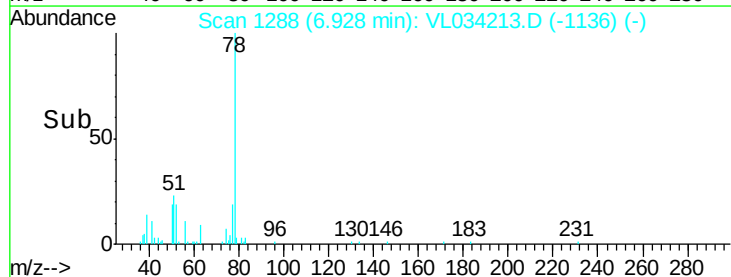
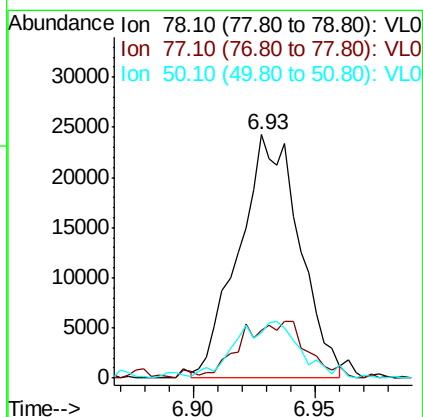
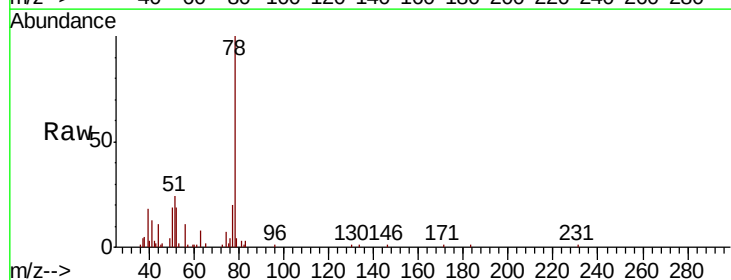
Manual Integrations
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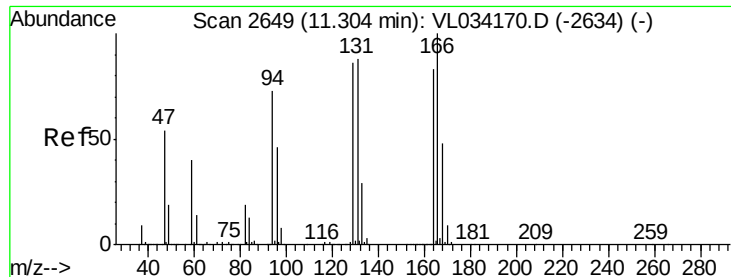
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#36
 Benzene
 Concen: 0.223 ppbv m
 RT: 6.93 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: VL034213.D
 Acq: 2 Oct 2019 16:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.5	19.0	28.4
50	18.6	18.9	28.3#





#52

Tetrachloroethene

Concen: 2.012 ppbv m

RT: 11.29 min Scan# 2644

Delta R.T. -0.02 min

Lab File: VL034213.D

Acq: 2 Oct 2019 16:32

Instrument :

MSVOA_L

ClientSampled :

SV-2DL

Tot Ion:164 Resp: 125307

Ion Ratio Lower Upper

164 100

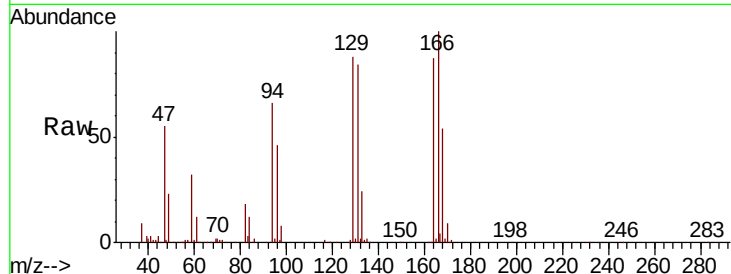
166 115.6 96.7 145.1

129 102.2 82.8 124.2

131 96.6 85.0 127.6

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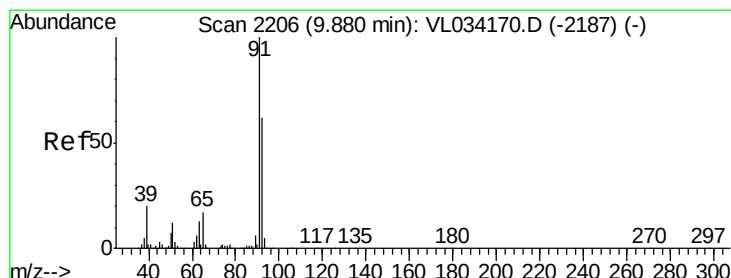
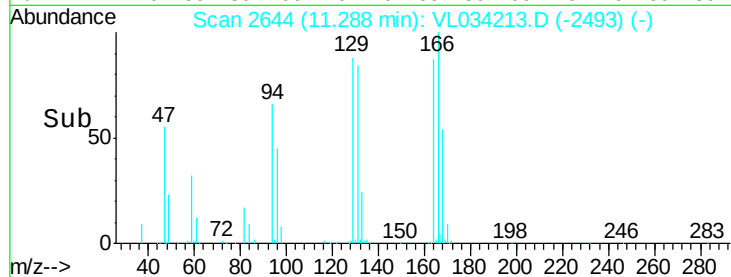
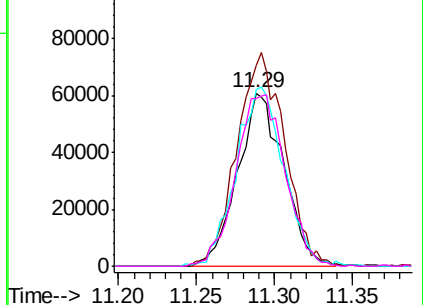


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.144 ppbv

RT: 9.87 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL034213.D

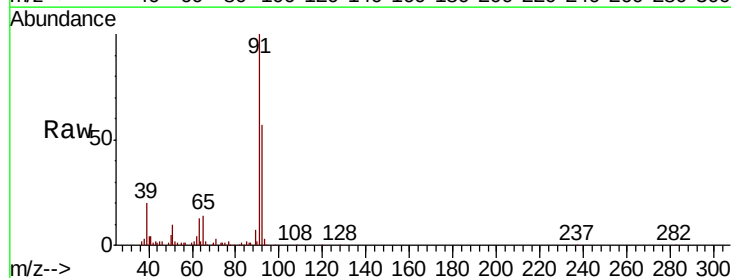
Acq: 2 Oct 2019 16:32

Tgt Ion: 91 Resp: 235730

Ion Ratio Lower Upper

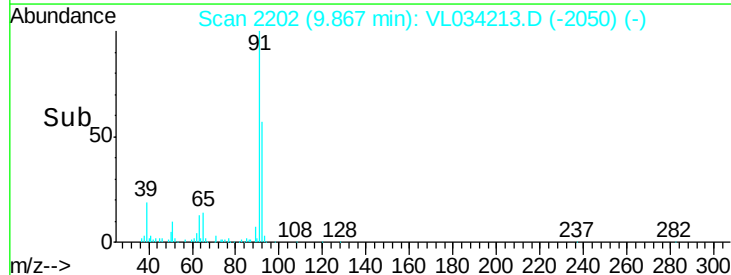
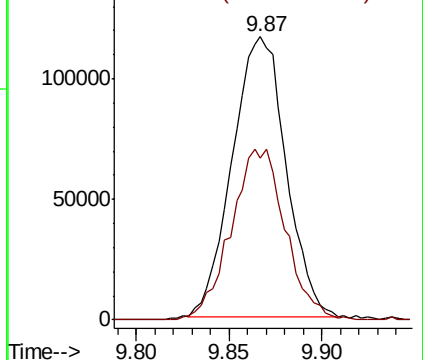
91 100

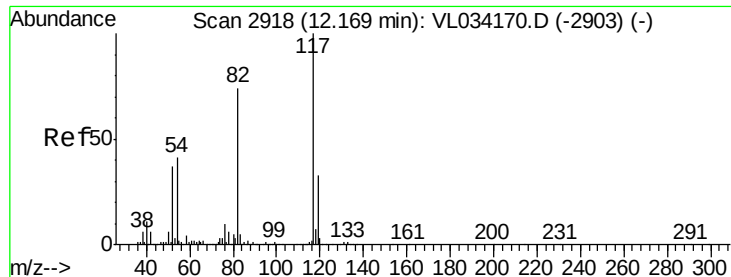
92 61.4 49.0 73.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





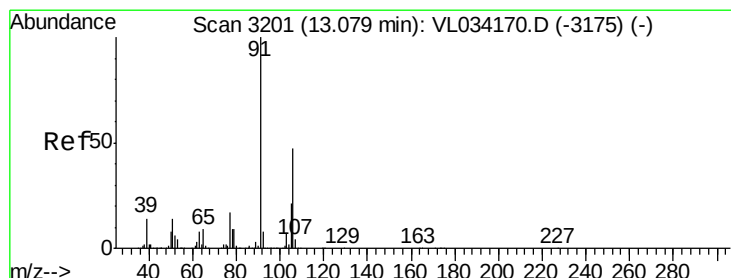
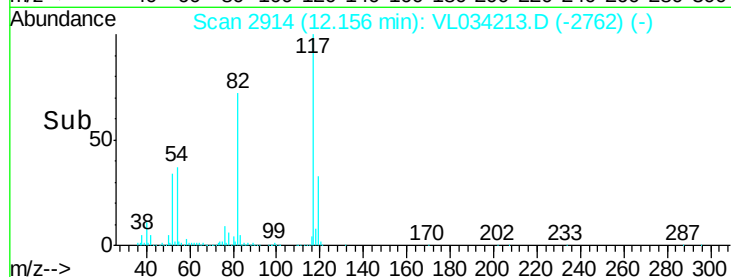
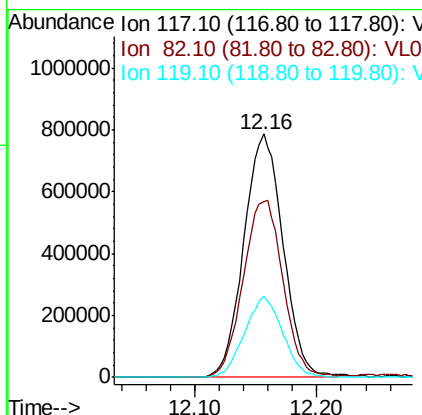
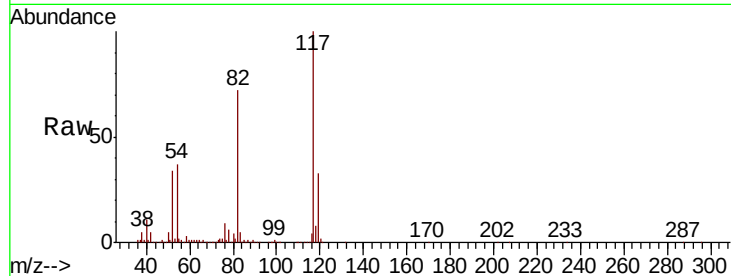
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Instrument :
MSVOA_L
ClientSampled :
SV-2DL

Tot Ion:117 Resp: 1737539
Ion Ratio Lower Upper
117 100
82 74.4 58.2 87.4
119 32.8 23.7 35.5

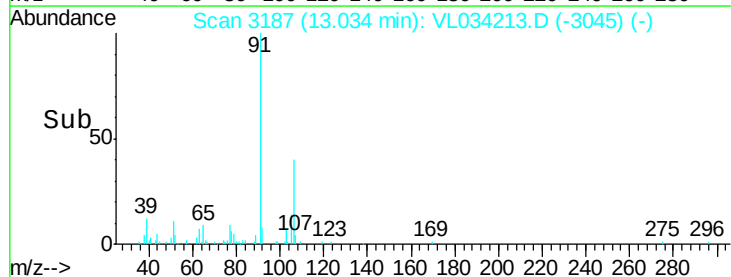
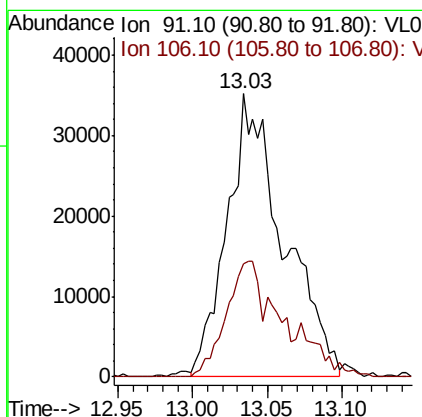
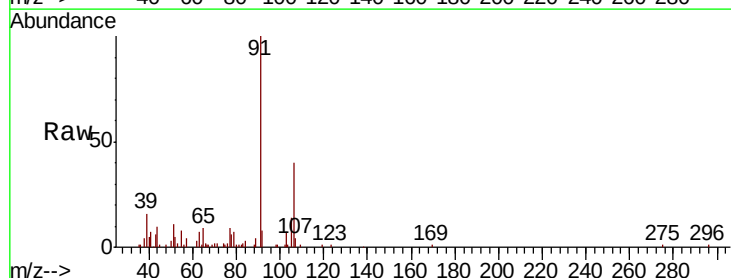
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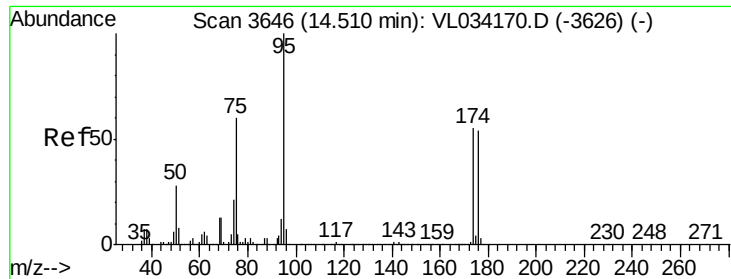
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#59
m/p-Xylene
Concen: 0.396 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. -0.05 min
Lab File: VL034213.D
Acq: 2 Oct 2019 16:32

Tgt Ion: 91 Resp: 92048
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.942 ppbv
 RT: 14.49 min Scan# 3641
 Delta R.T. -0.02 min
 Lab File: VL034213.D
 Acq: 2 Oct 2019 16:32

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Tot Ion: 95 Resp: 1501021
 Ion Ratio Lower Upper
 95 100
 174 59.8 45.1 67.7
 175 4.3 3.3 4.9

Manual Integrations
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