

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034273.D
 Acq On : 9 Oct 2019 9:58
 Operator : SY/AP
 Sample : K5243-01DL2 80X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Manual Integrations
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 10/11/2019 5:08:39 PM

Quant Time: Oct 10 02:11:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	991794	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1791020	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1817416	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.49	95	1566479	9.92	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	17734	0.121	ppbv #	88
9) Propene	2.99	41	13145	0.229	ppbv	85
10) Heptane	8.16	43	26849m	0.180	ppbv	
13) Ethanol	3.60	45	9767m	0.703	ppbv	
15) Acetone	3.84	43	953839	7.176	ppbv	98
17) tert-Butyl alcohol	4.30	59	10641m	0.126	ppbv	
19) Isopropyl Alcohol	3.96	45	717847	8.782	ppbv #	99
26) Hexane	5.70	57	70688	0.676	ppbv #	42
34) 2-Butanone	5.26	43	70631	0.386	ppbv	95
38) Trichloroethene	7.88	130	166816	2.360	ppbv	99
52) Tetrachloroethene	11.28	164	1212294	18.550	ppbv	98
53) Toluene	9.86	91	40584m	0.188	ppbv	

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

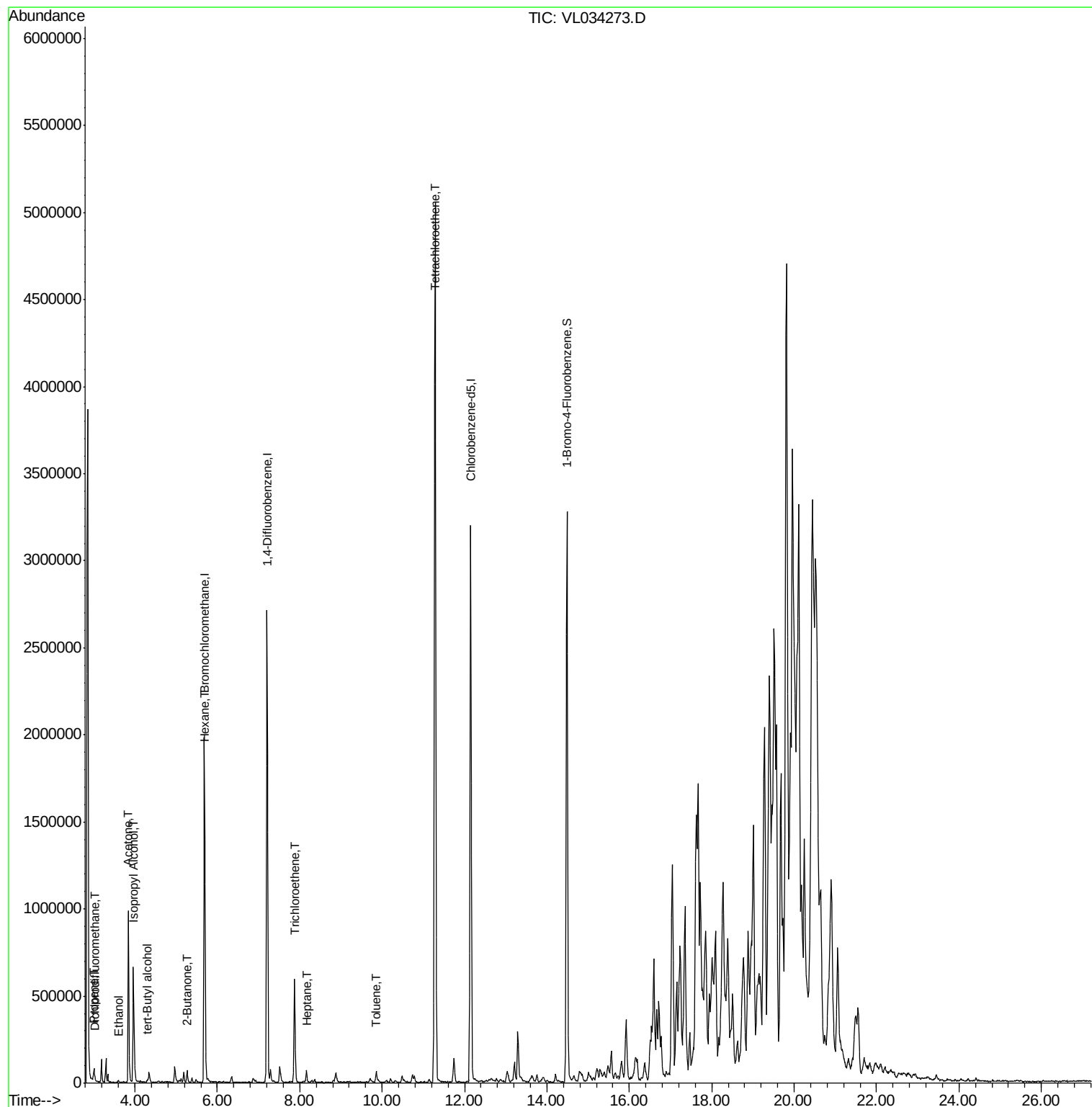
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034273.D
Acq On : 9 Oct 2019 9:58
Operator : SY/AP
Sample : K5243-01DL2 80X
Misc : 400ml/MSVOA_L
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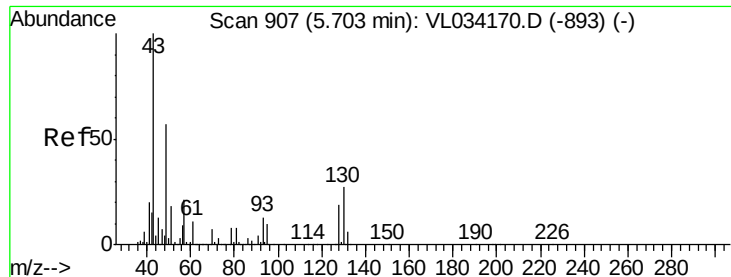
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Manual Integrations
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10/11/2019 5:08:39 PM

Quant Time: Oct 10 02:11:04 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# 902

Delta R.T. -0.02 min

Lab File: VL034273.D

Acq: 9 Oct 2019 9:58

Instrument :

MSVOA_L

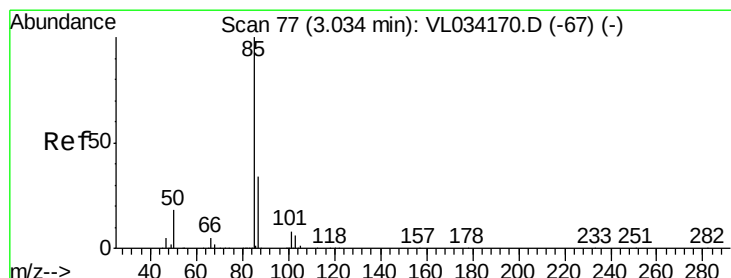
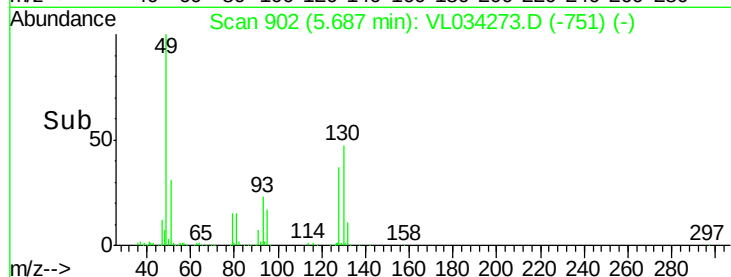
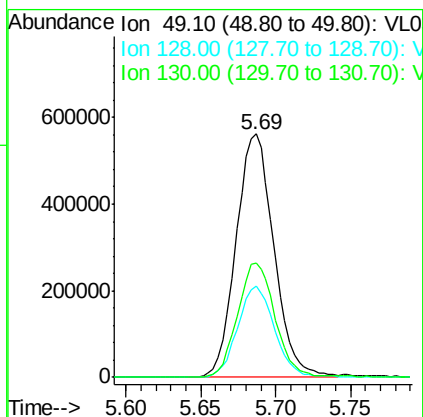
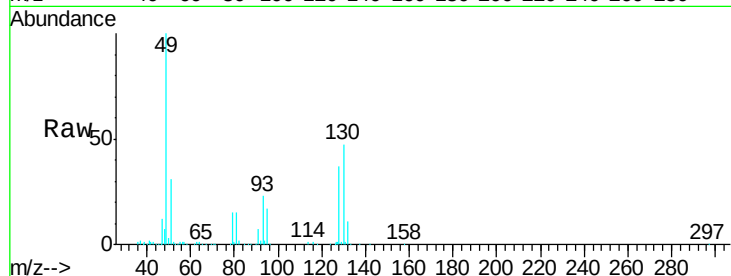
ClientSampled :

SV1DL2

Tgt Ion:	49	Resp:	991794
Ion Ratio	Lower	Upper	
49	100		
128	36.8	17.6	52.9
130	47.0	22.3	66.9

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#2

Dichlorodifluoromethane

Concen: 0.121 ppbv

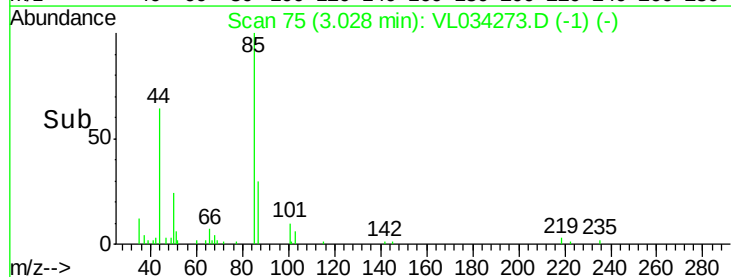
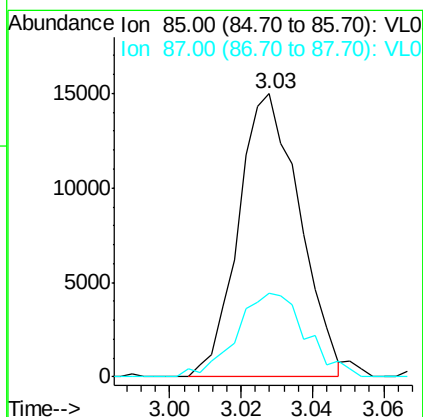
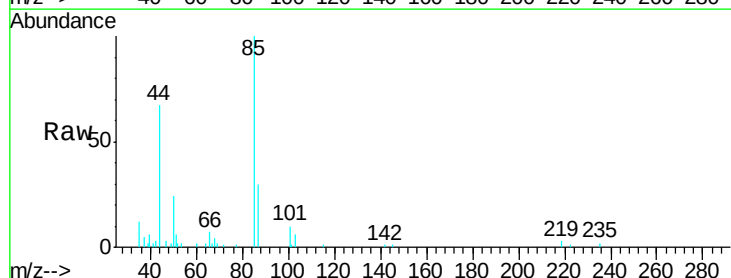
RT: 3.03 min Scan# 75

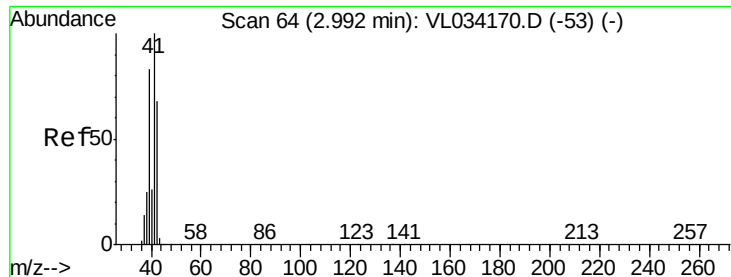
Delta R.T. -0.01 min

Lab File: VL034273.D

Acq: 9 Oct 2019 9:58

Tgt Ion:	85	Resp:	17734
Ion Ratio	Lower	Upper	
85	100		
87	27.0	27.2	40.8#





#9

Propene

Concen: 0.229 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034273.D

Acq: 9 Oct 2019 9:58

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tgt Ion: 41 Resp: 13145

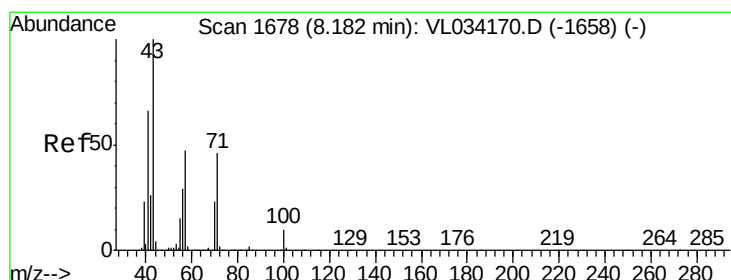
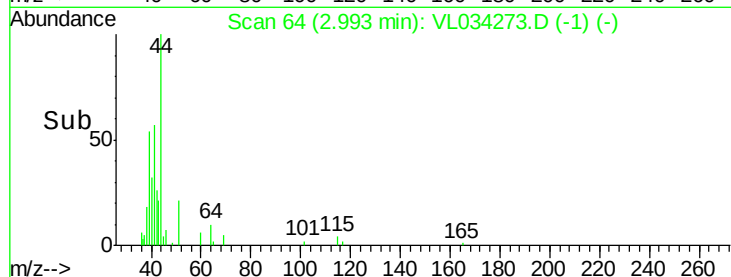
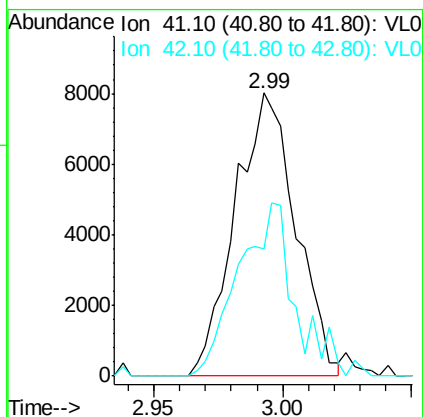
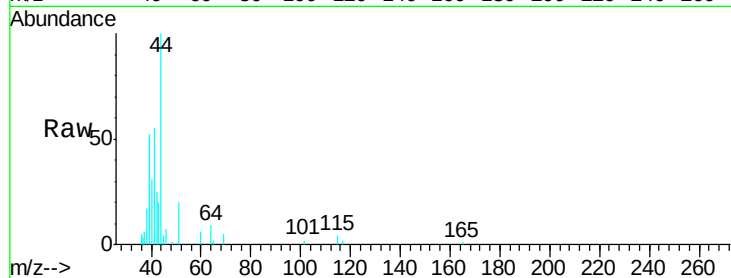
Ion Ratio Lower Upper

41 100

42 57.2 55.8 83.6

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#10

Heptane

Concen: 0.180 ppbv m

RT: 8.16 min Scan# 1672

Delta R.T. -0.02 min

Lab File: VL034273.D

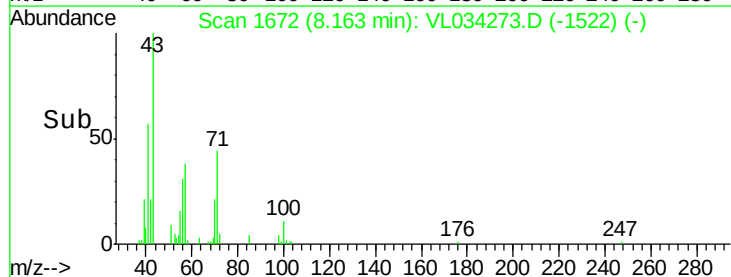
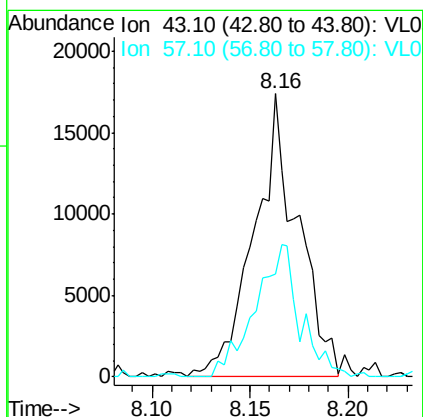
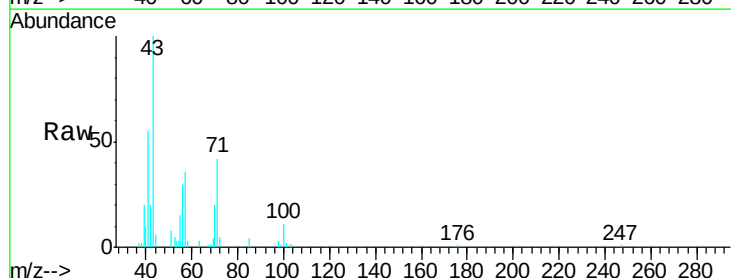
Acq: 9 Oct 2019 9:58

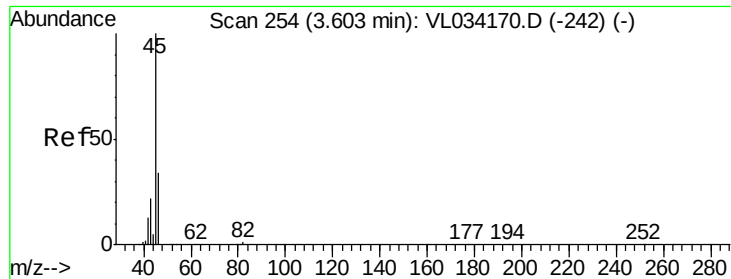
Tgt Ion: 43 Resp: 26849

Ion Ratio Lower Upper

43 100

57 48.6 37.5 56.3





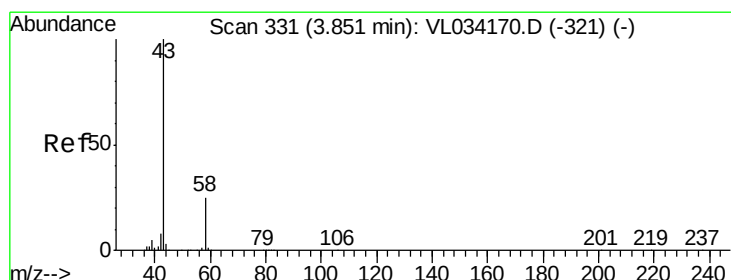
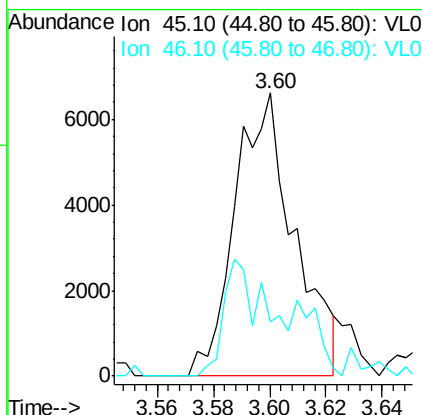
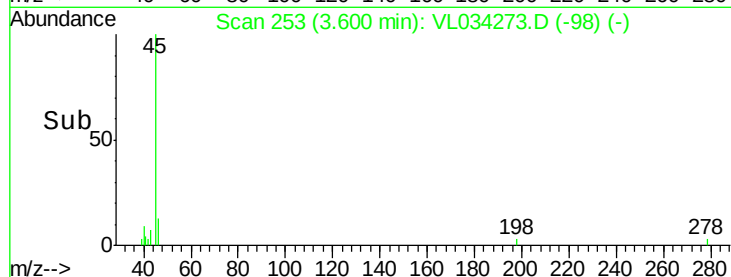
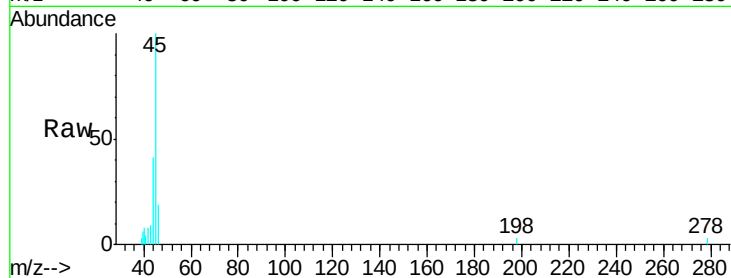
#13
Ethanol
Concen: 0.703 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034273.D
Acq: 9 Oct 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion: 45 Resp: 9767
Ion Ratio Lower Upper
45 100
46 168.8 15.5 61.9#

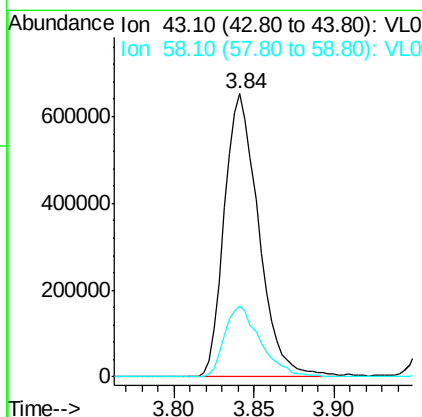
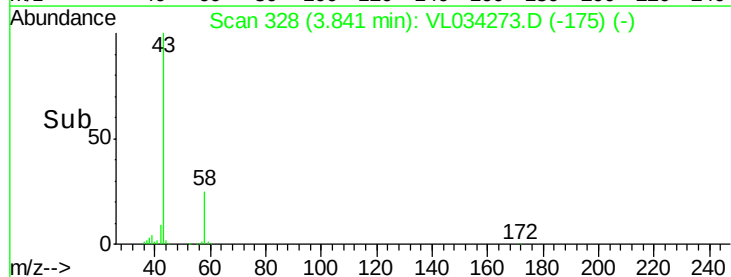
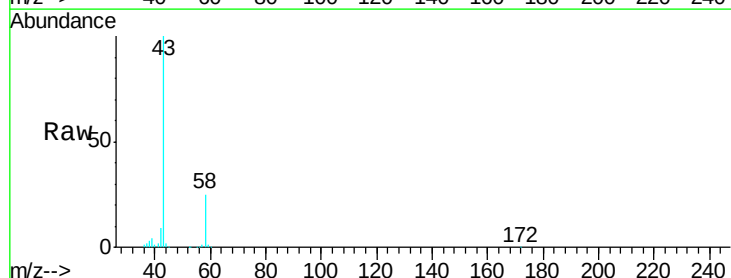
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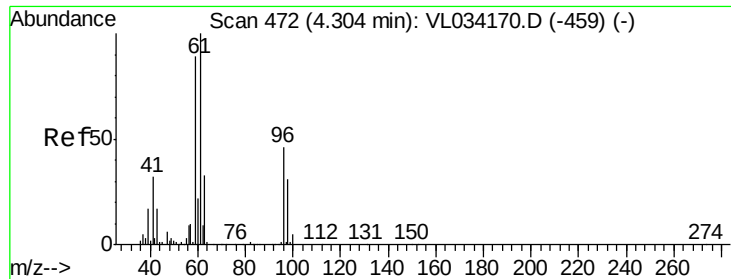
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#15
Acetone
Concen: 7.176 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL034273.D
Acq: 9 Oct 2019 9:58

Tgt Ion: 43 Resp: 953839
Ion Ratio Lower Upper
43 100
58 26.5 20.5 30.7





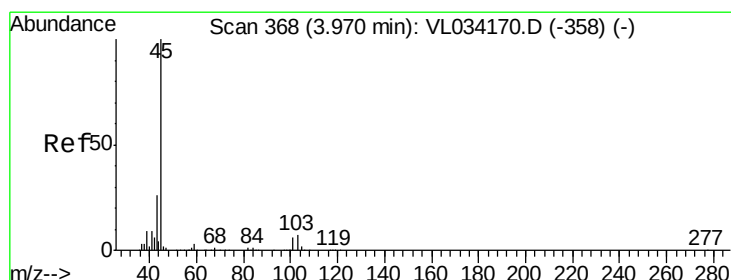
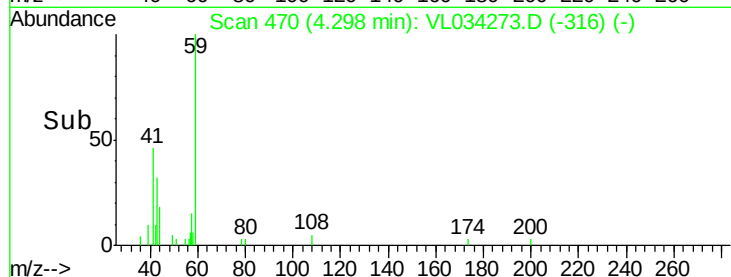
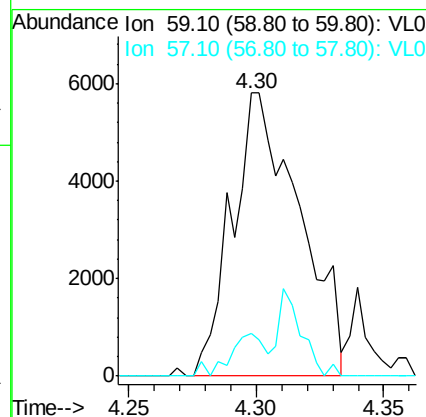
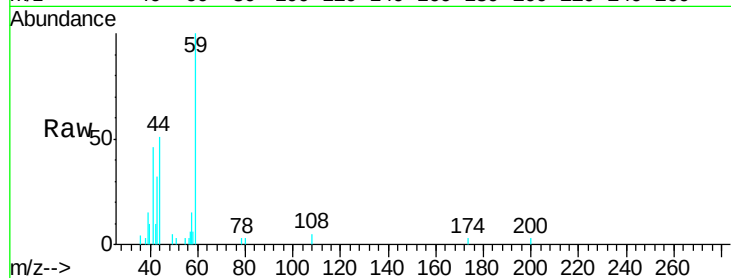
#17
tert-Butyl alcohol
Concen: 0.126 ppbv m
RT: 4.30 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034273.D
Acq: 9 Oct 2019 9:58

Instrument :
MSVOA_L
ClientSampled :
SV1DL2

Tgt Ion: 59 Resp: 10641
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

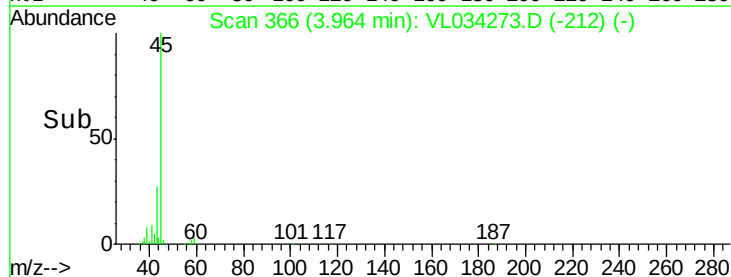
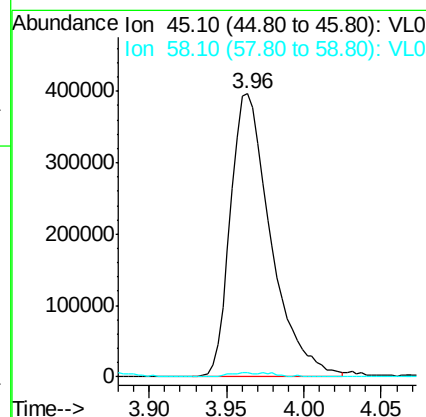
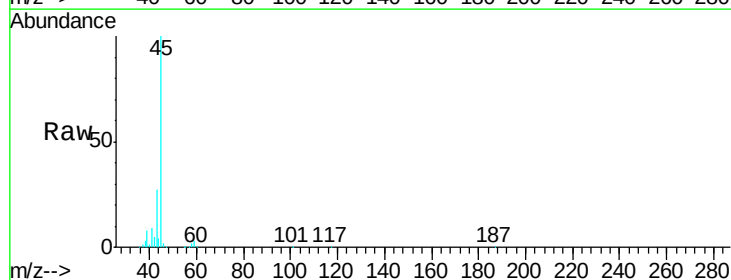
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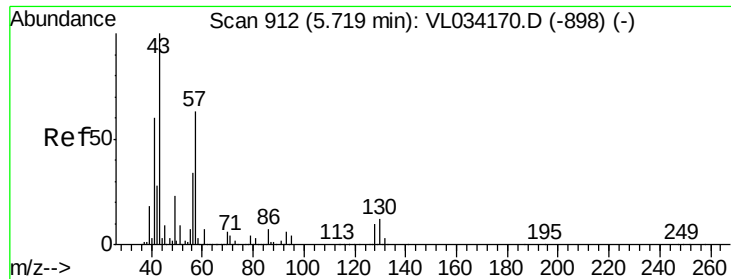
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#19
Isopropyl Alcohol
Concen: 8.782 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.01 min
Lab File: VL034273.D
Acq: 9 Oct 2019 9:58

Tgt Ion: 45 Resp: 717847
Ion Ratio Lower Upper
45 100
58 2.1 1.4 2.0#





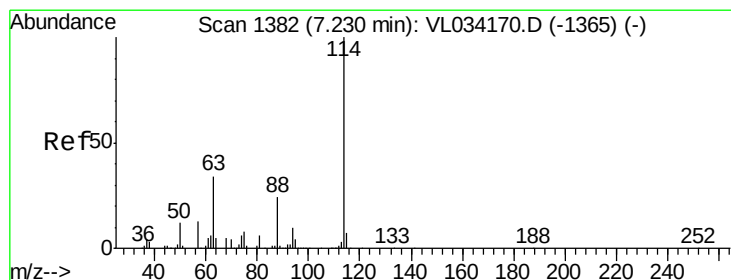
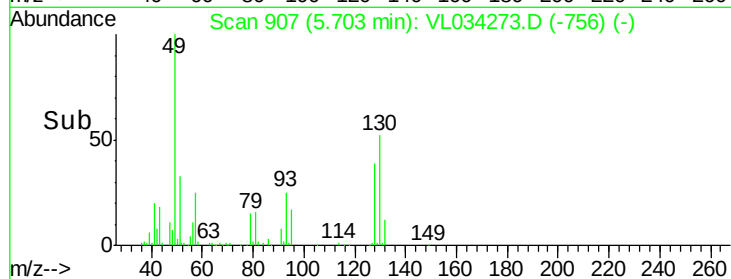
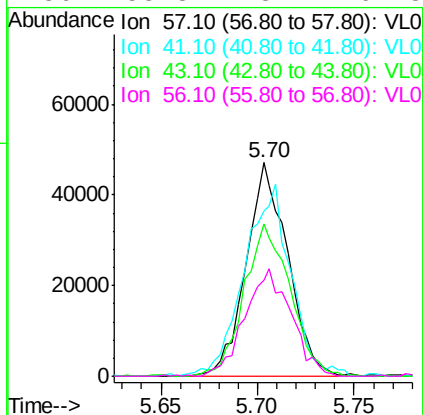
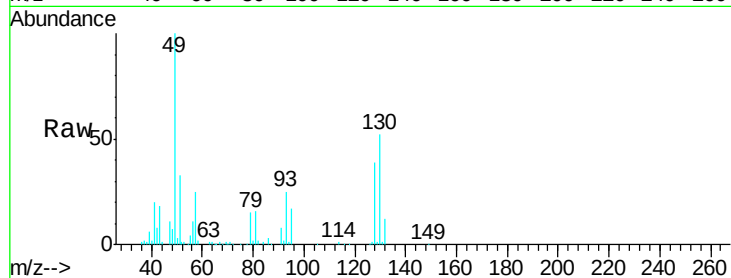
#26
Hexane
Concen: 0.676 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.02 min
Lab File: VL034273.D
Acq: 9 Oct 2019 9:58

Instrument :
MSVOA_L
ClientSampled :
SV1DL2

Tgt Ion	Ratio	Lower	Upper
57	100		
41	100.5	78.5	117.7
43	79.2	189.5	284.3#
56	55.8	43.2	64.8

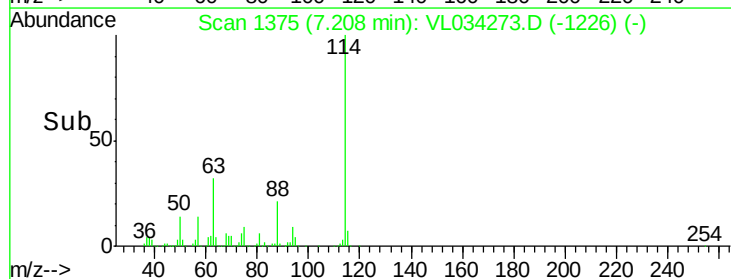
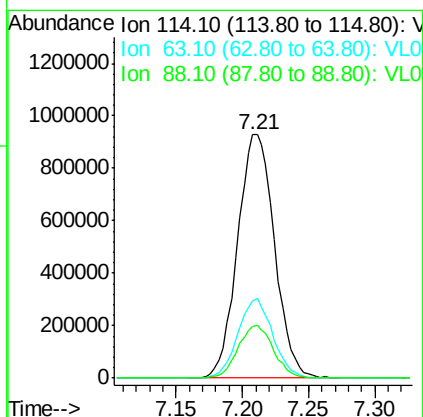
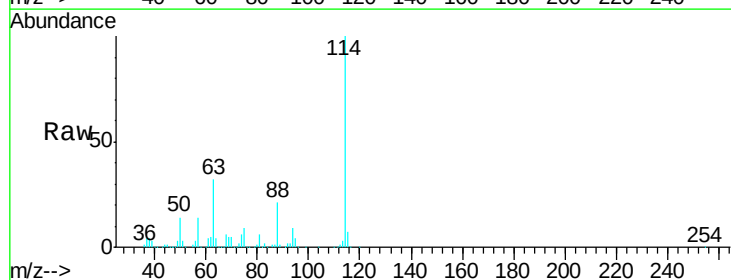
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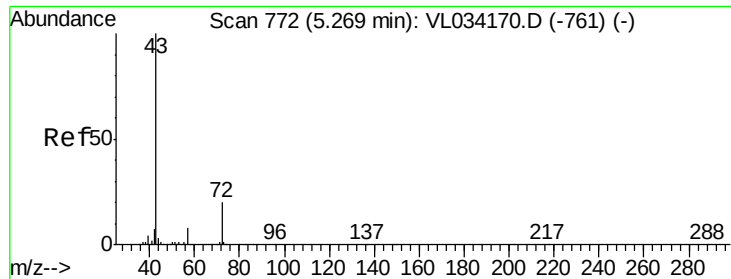
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. -0.02 min
Lab File: VL034273.D
Acq: 9 Oct 2019 9:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.9	27.8	41.6
88	20.7	17.1	25.7





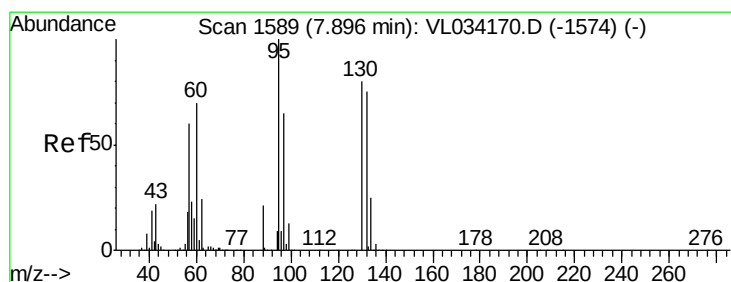
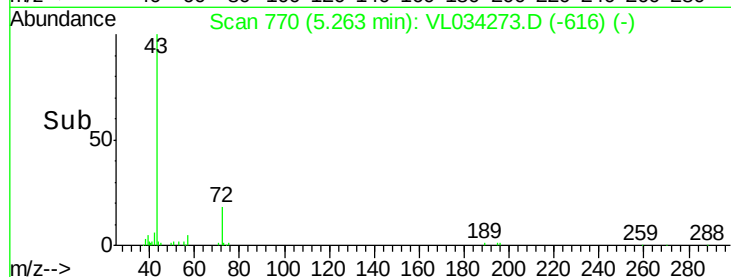
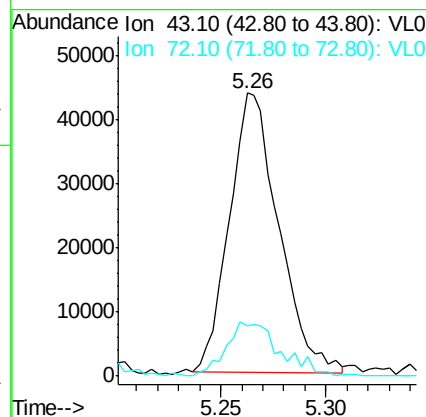
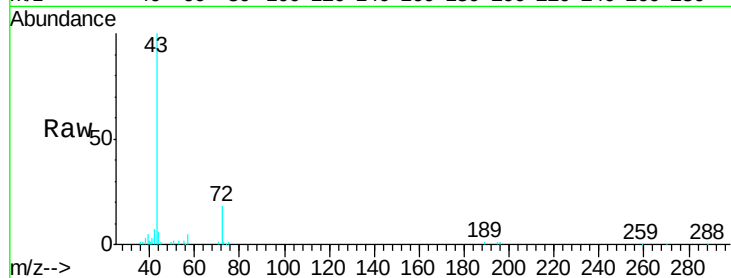
#34
 2-Butanone
 Concen: 0.386 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: VL034273.D
 Acq: 9 Oct 2019 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.2	15.0	22.6

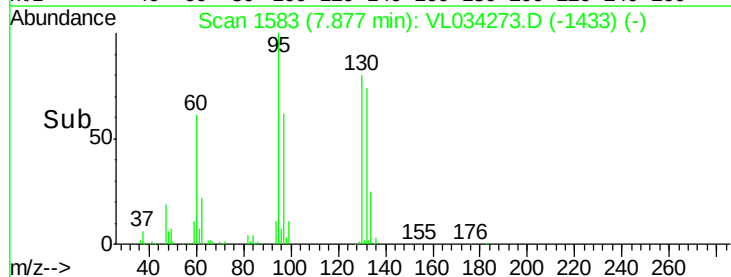
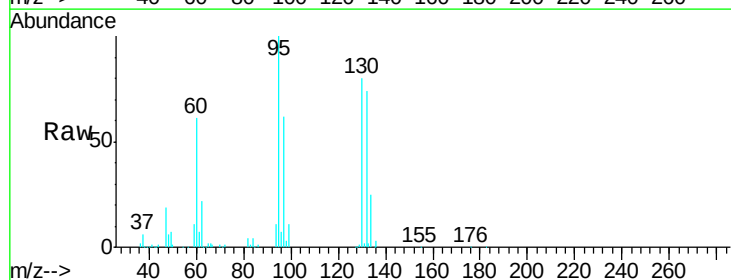
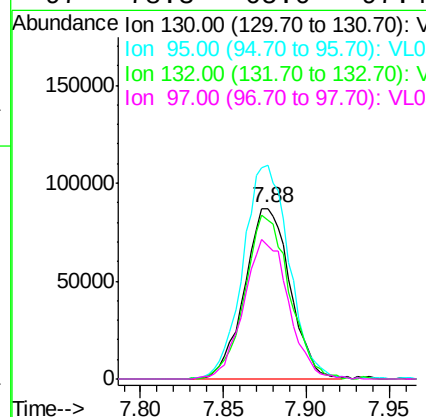
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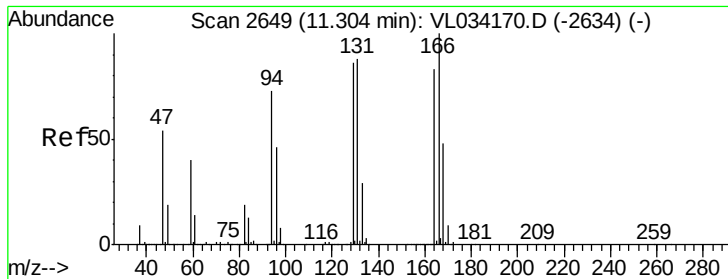
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#38
 Trichloroethene
 Concen: 2.360 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. -0.02 min
 Lab File: VL034273.D
 Acq: 9 Oct 2019 9:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	125.0	99.8	149.6
132	93.1	75.2	112.8
97	78.3	65.0	97.4





#52

Tetrachloroethene

Concen: 18.550 ppbv

RT: 11.28 min Scan# 2643

Delta R.T. -0.02 min

Lab File: VL034273.D

Acq: 9 Oct 2019 9:58

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tgt Ion: 164 Resp: 1212294

Ion Ratio Lower Upper

164 100

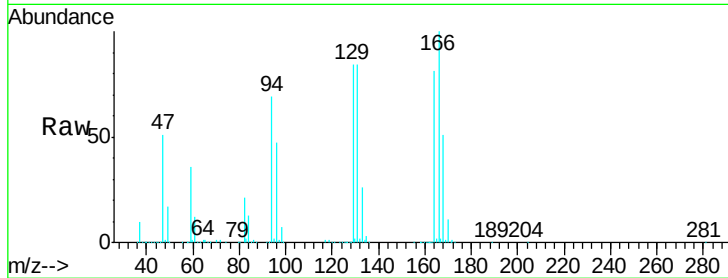
166 123.9 96.7 145.1

129 104.1 82.8 124.2

131 103.8 85.0 127.6

Manual Integrations
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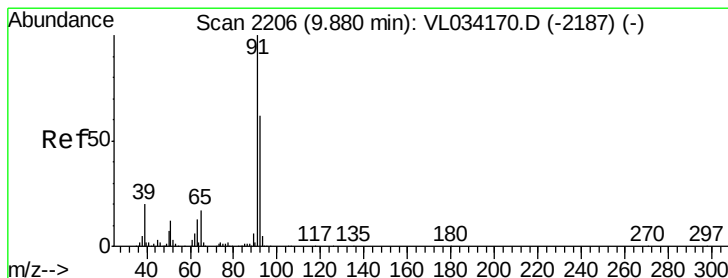
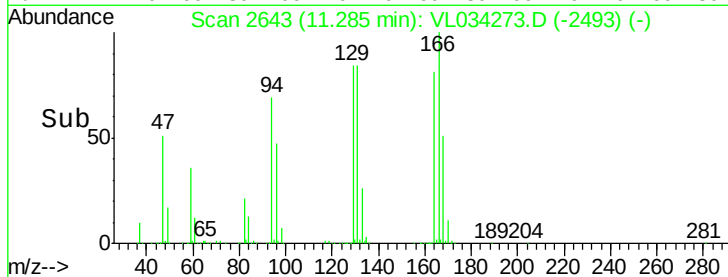
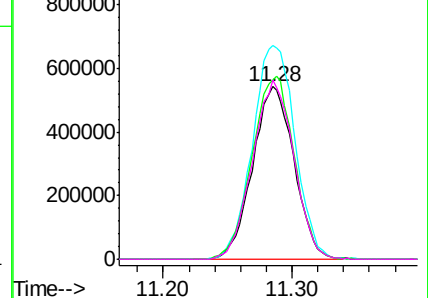


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.188 ppbv m

RT: 9.86 min Scan# 2199

Delta R.T. -0.02 min

Lab File: VL034273.D

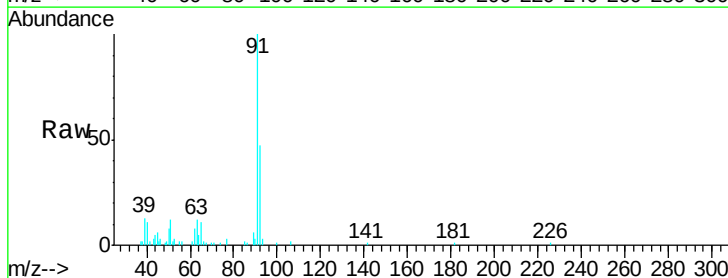
Acq: 9 Oct 2019 9:58

Tgt Ion: 91 Resp: 40584

Ion Ratio Lower Upper

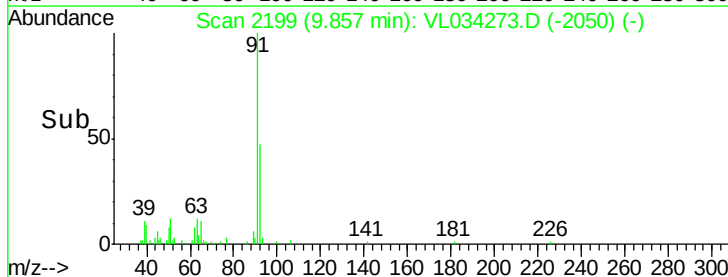
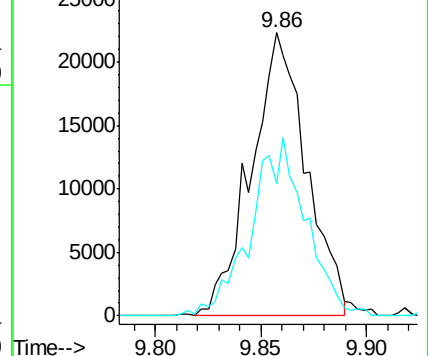
91 100

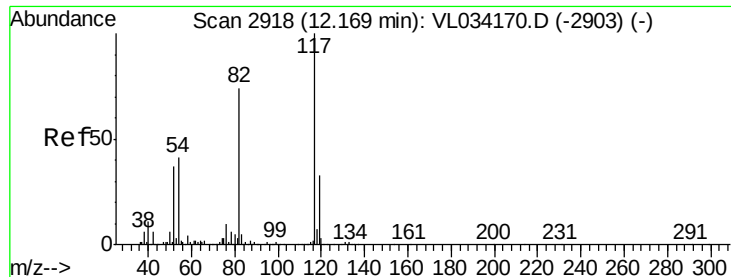
92 0.0 49.0 73.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





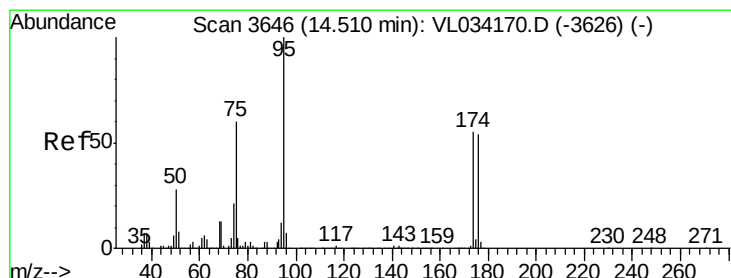
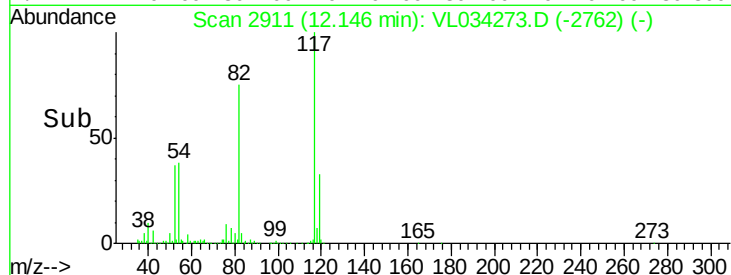
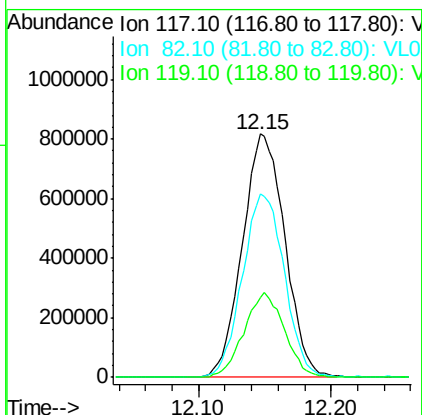
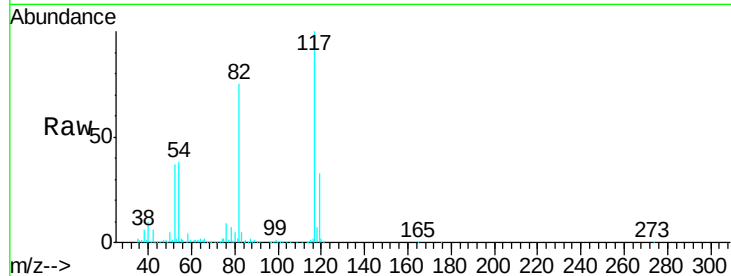
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.02 min
Lab File: VL034273.D
Acq: 9 Oct 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion: 117 Resp: 1817416
Ion Ratio Lower Upper
117 100
82 74.8 58.2 87.4
119 33.3 23.7 35.5

Manual Integrations
APPROVED

MMDadoda
10/11/2019 5:08:39 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.919 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.02 min
Lab File: VL034273.D
Acq: 9 Oct 2019 9:58

Tgt Ion: 95 Resp: 1566479
Ion Ratio Lower Upper
95 100
174 58.8 45.1 67.7
175 4.4 3.3 4.9

