

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034210.D
 Acq On : 2 Oct 2019 14:32
 Operator : SY/AP
 Sample : K5106-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5DL

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:29:33 PM

Quant Time: Oct 04 21:20:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18
 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	1002741	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1824574	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	1875898	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.49	95	1610120	9.88	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	1091785	18.822	ppbv	95
10) Heptane	8.17	43	78633	0.520	ppbv	98
13) Ethanol	3.60	45	79787	5.680	ppbv	94
15) Acetone	3.84	43	1273287	9.474	ppbv	95
17) tert-Butyl alcohol	4.30	59	132293m	1.554	ppbv	
19) Isopropyl Alcohol	3.97	45	35807m	0.433	ppbv	
26) Hexane	5.71	57	90991	0.861	ppbv #	41
27) Carbon Disulfide	4.56	76	80832	0.829	ppbv #	89
29) Chloroform	5.78	83	198529	1.314	ppbv	98
34) 2-Butanone	5.27	43	343058	1.841	ppbv	96
36) Benzene	6.93	78	268879	1.334	ppbv	94
52) Tetrachloroethene	11.29	164	158689	2.384	ppbv	92
53) Toluene	9.87	91	227440	1.033	ppbv	98
59) m/p-Xylene	13.04	91	98811m	0.394	ppbv	

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

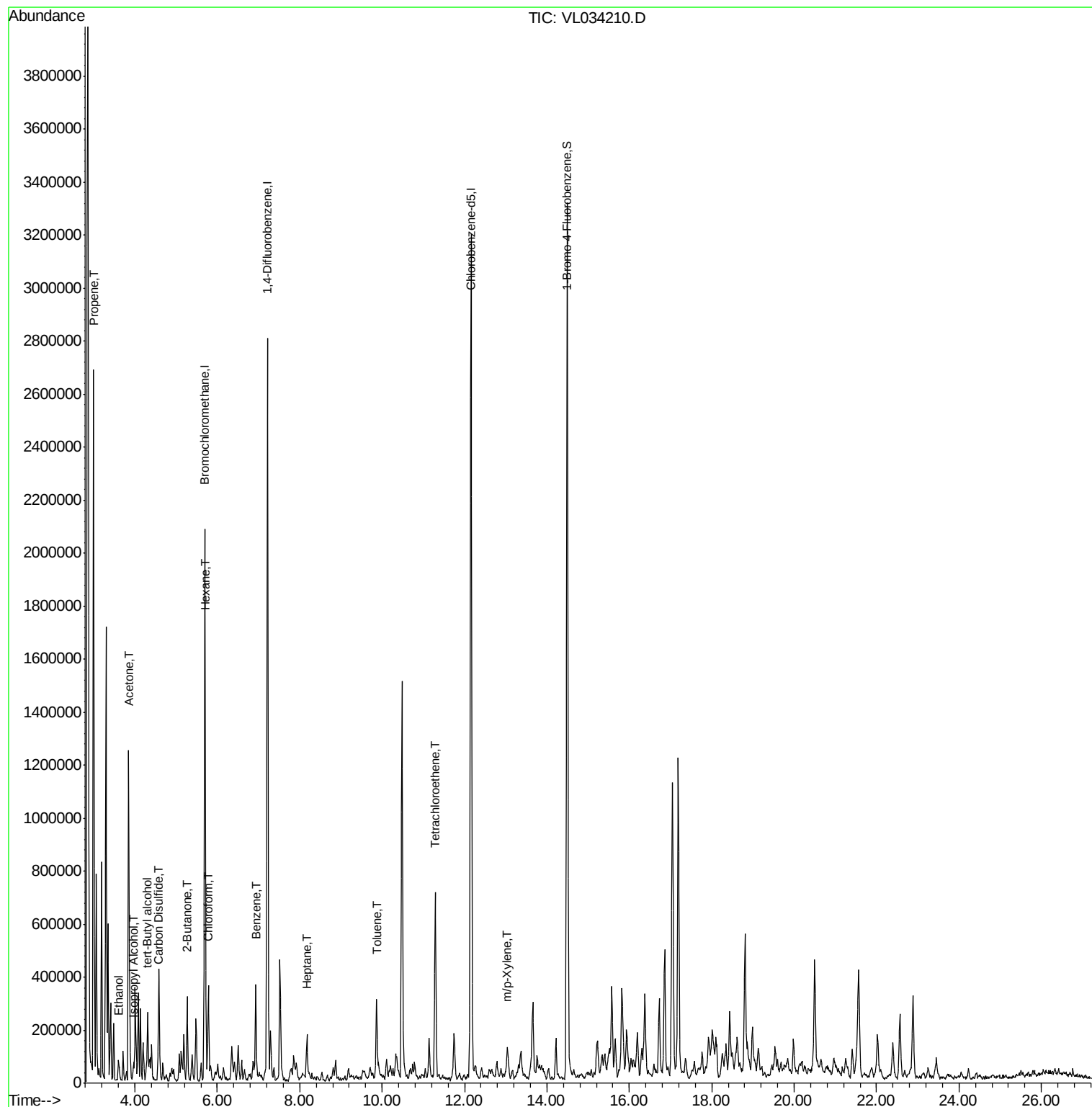
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL100219\
Data File : VL034210.D
Acq On : 2 Oct 2019 14:32
Operator : SY/AP
Sample : K5106-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

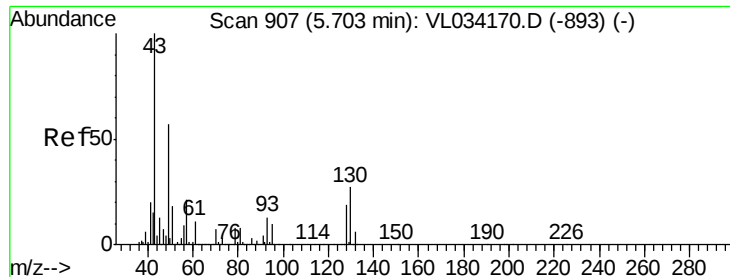
Instrument :
MSVOA_L
ClientSampleId :
SV-5DL

Manual Integrations
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10/7/2019 12:29:33 PM

Quant Time: Oct 04 21:20:52 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: VL034210.D

Acq: 2 Oct 2019 14:32

Instrument :

MSVOA_L

ClientSampleId :

SV-5DL

Tot Ion: 49 Resp: 1002741

Ion Ratio Lower Upper

49 100

128 38.1 17.6 52.9

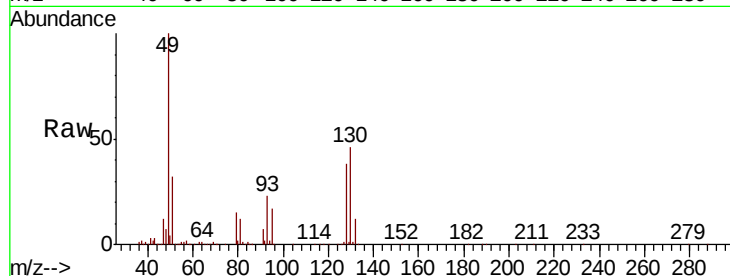
130 47.1 22.3 66.9

Manual Integrations

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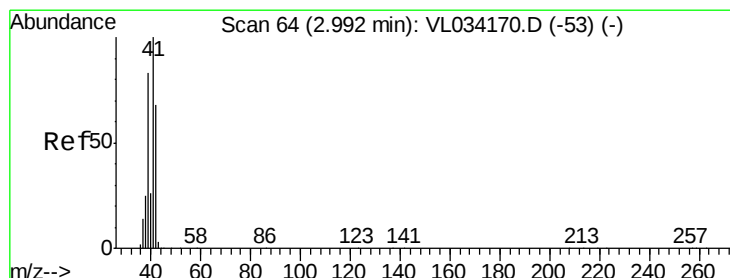
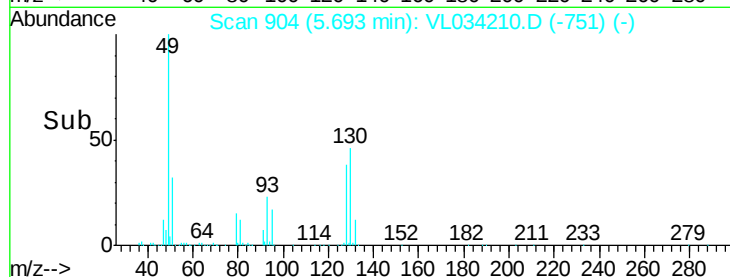
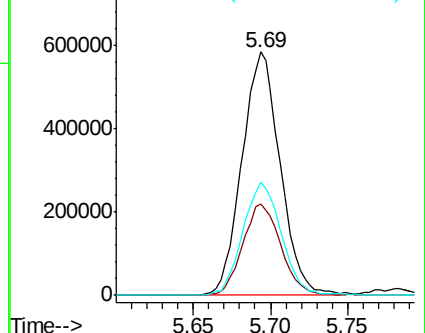
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 18.822 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034210.D

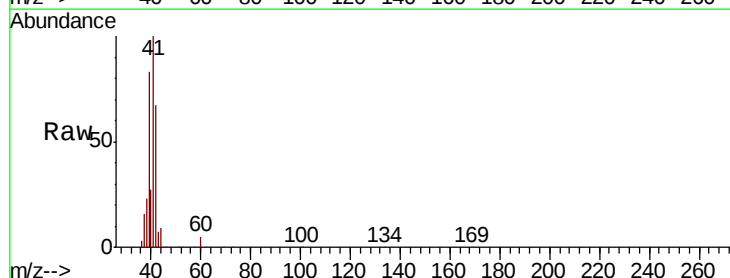
Acq: 2 Oct 2019 14:32

Tgt Ion: 41 Resp: 1091785

Ion Ratio Lower Upper

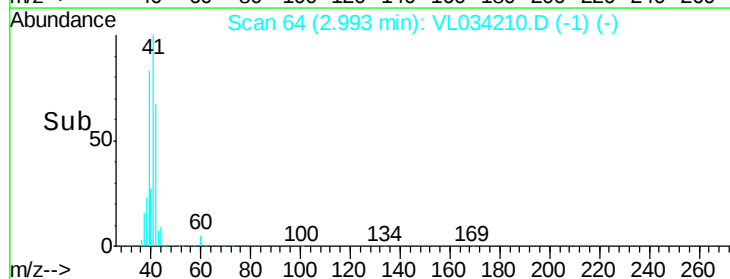
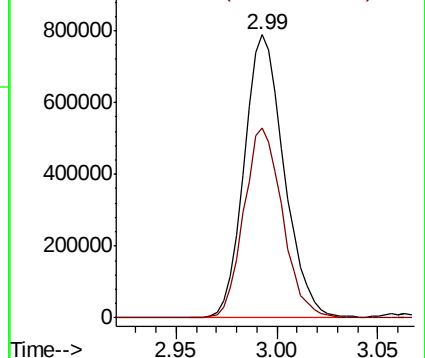
41 100

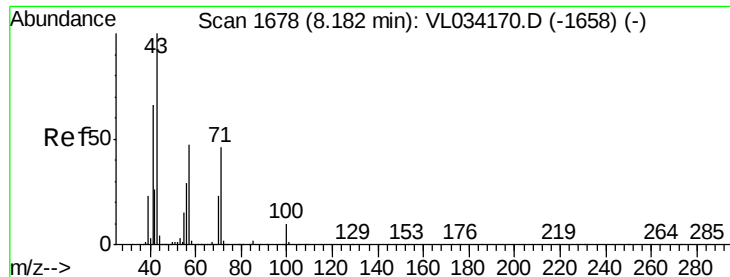
42 65.4 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





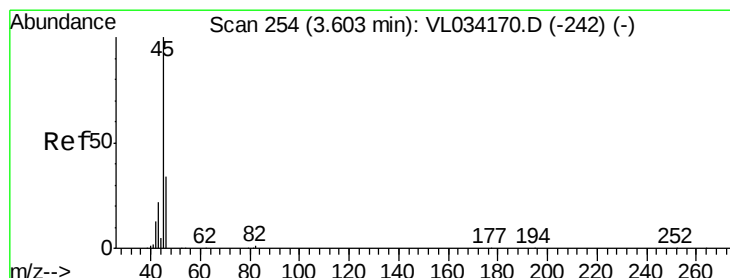
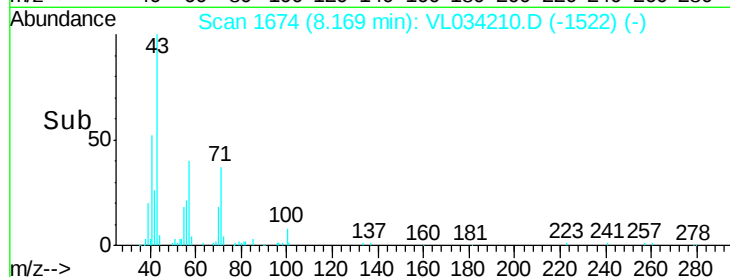
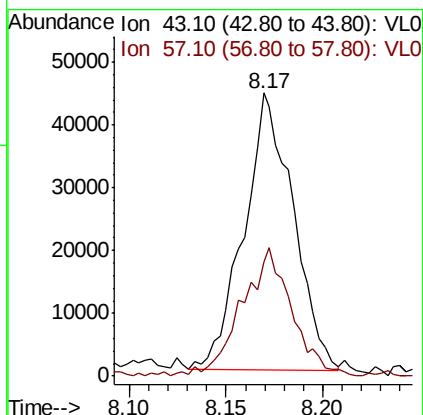
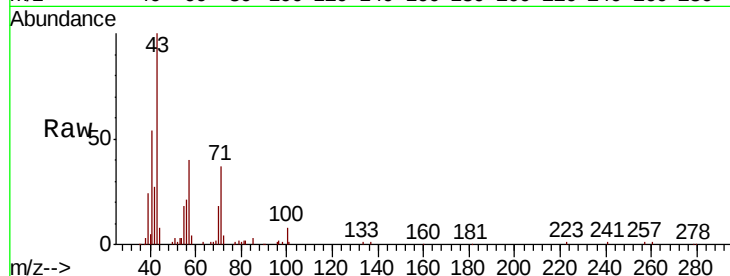
#10
Heptane
Concen: 0.520 ppbv
RT: 8.17 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VL034210.D
Acq: 2 Oct 2019 14:32

Instrument :
MSVOA_L
ClientSampled :
SV-5DL

Tot Ion: 43 Resp: 78633
Ion Ratio Lower Upper
43 100
57 48.1 37.5 56.3

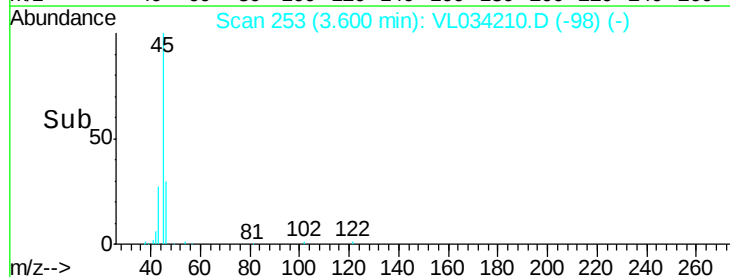
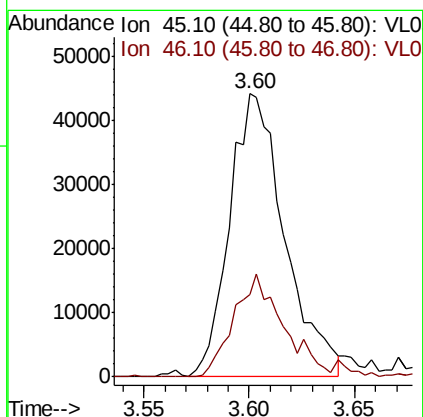
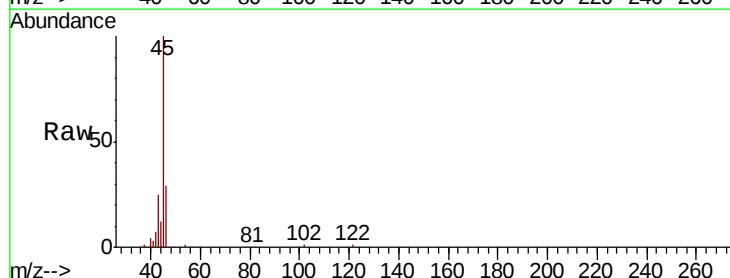
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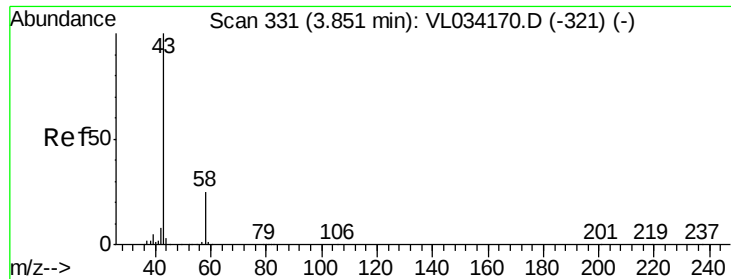
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#13
Ethanol
Concen: 5.680 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034210.D
Acq: 2 Oct 2019 14:32

Tgt Ion: 45 Resp: 79787
Ion Ratio Lower Upper
45 100
46 35.2 15.5 61.9





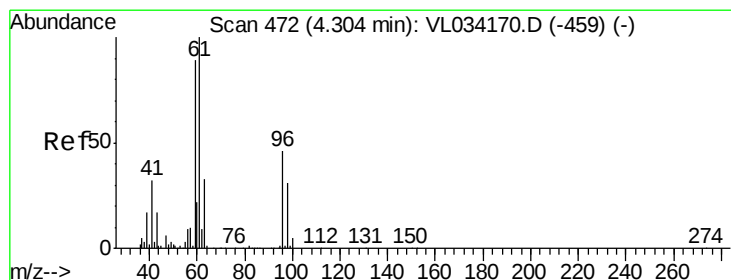
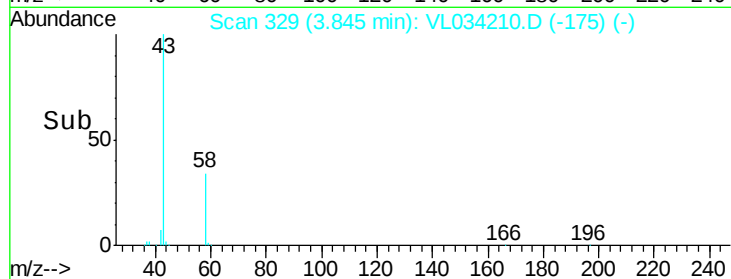
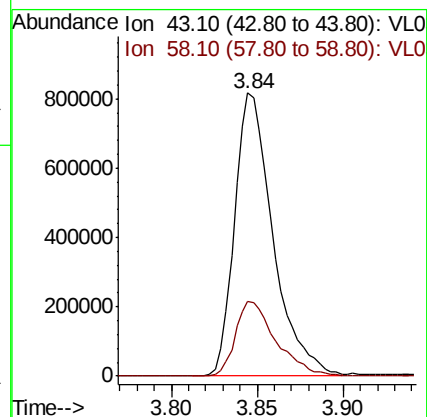
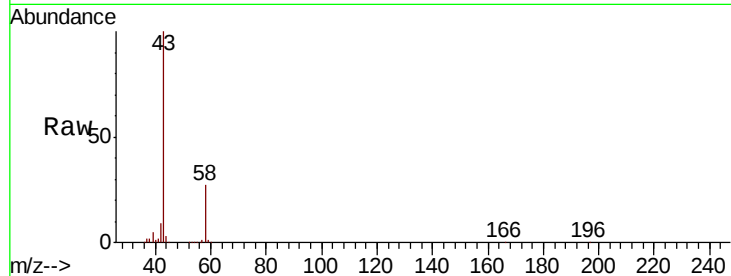
#15
Acetone
Concen: 9.474 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034210.D
Acq: 2 Oct 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :
SV-5DL

Tot Ion: 43 Resp: 1273287
Ion Ratio Lower Upper
43 100
58 28.1 20.5 30.7

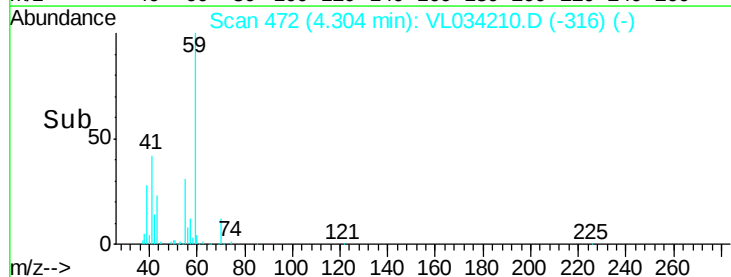
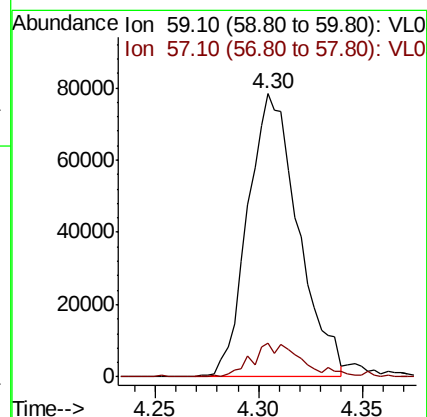
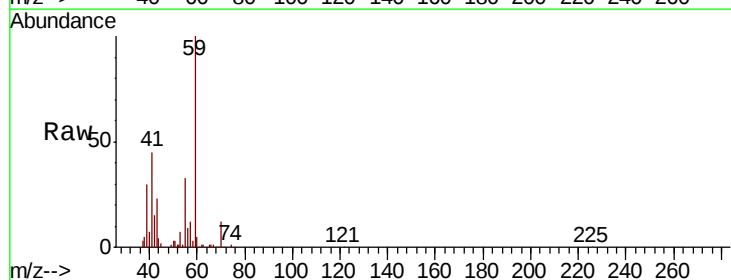
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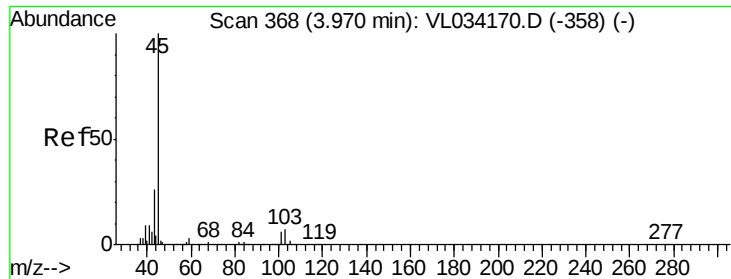
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#17
tert-Butyl alcohol
Concen: 1.554 ppbv m
RT: 4.30 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL034210.D
Acq: 2 Oct 2019 14:32

Tgt Ion: 59 Resp: 132293
Ion Ratio Lower Upper
59 100
57 12.5 8.7 13.1





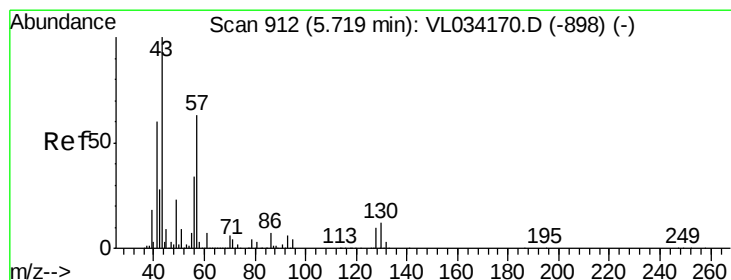
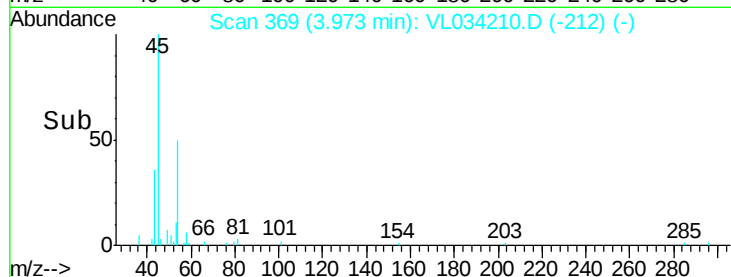
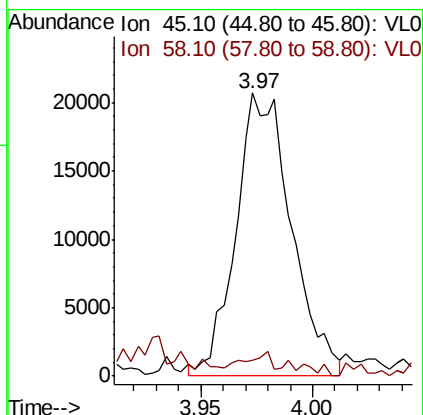
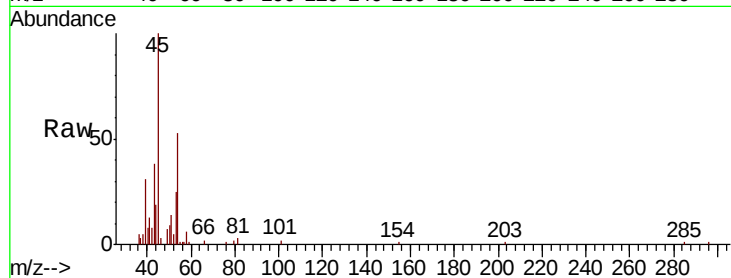
#19
Isopropyl Alcohol
Concen: 0.433 ppbv m
RT: 3.97 min Scan# 369
Delta R.T. 0.00 min
Lab File: VL034210.D
Acq: 2 Oct 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :
SV-5DL

Tot Ion: 45 Resp: 35807
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.0#

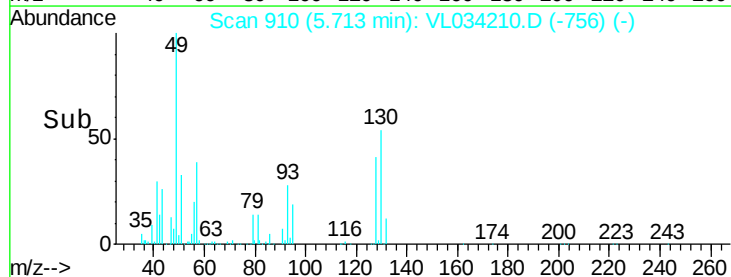
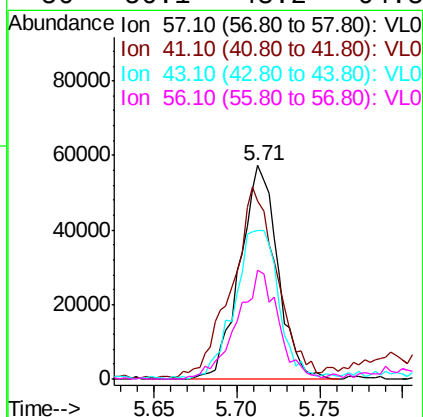
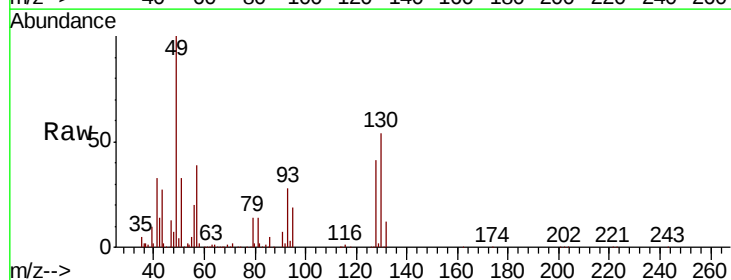
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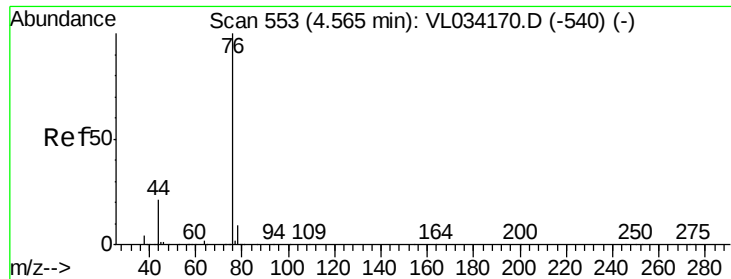
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#26
Hexane
Concen: 0.861 ppbv
RT: 5.71 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL034210.D
Acq: 2 Oct 2019 14:32

Tgt Ion: 57 Resp: 90991
Ion Ratio Lower Upper
57 100
41 105.5 78.5 117.7
43 80.1 189.5 284.3#
56 56.1 43.2 64.8





#27

Carbon Disulfide

Concen: 0.829 ppbv

RT: 4.56 min Scan# 552

Delta R.T. -0.00 min

Lab File: VL034210.D

Acq: 2 Oct 2019 14:32

Instrument :

MSVOA_L

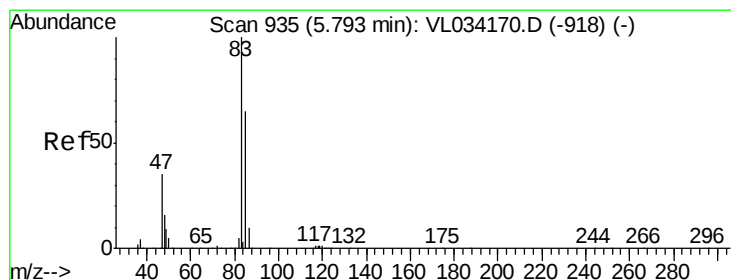
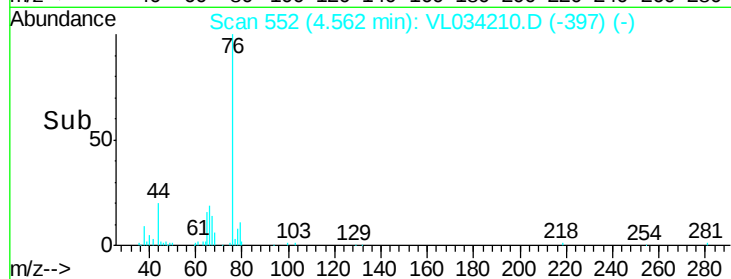
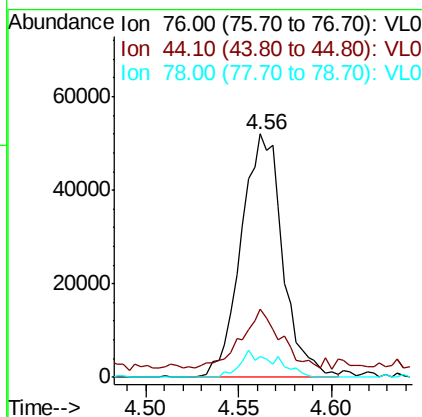
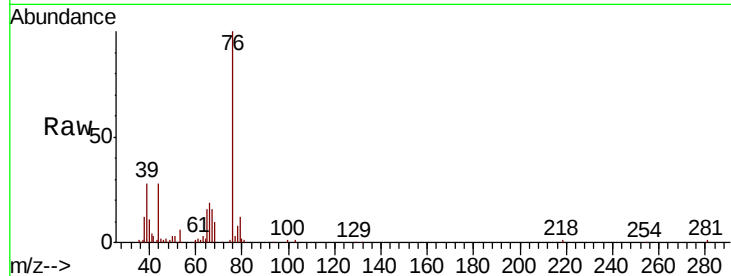
ClientSampleId :

SV-5DL

Tot Ion:	76	Resp:	80832
Ion Ratio	Lower	Upper	
76	100		
44	29.8	17.6	26.4#
78	9.5	7.6	11.4

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#29

Chloroform

Concen: 1.314 ppbv

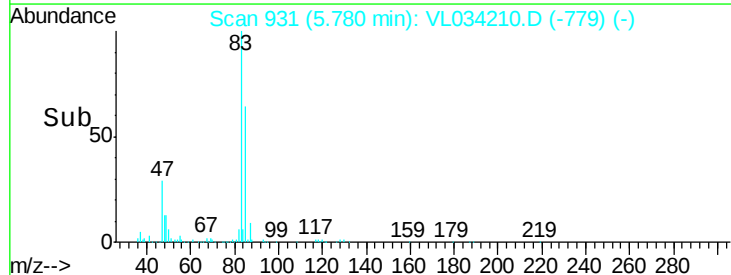
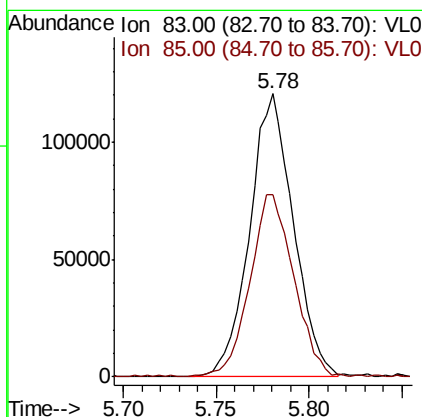
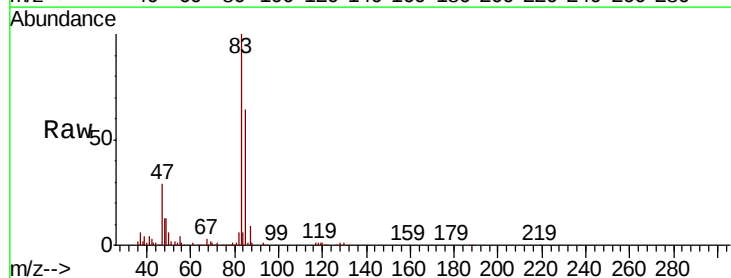
RT: 5.78 min Scan# 931

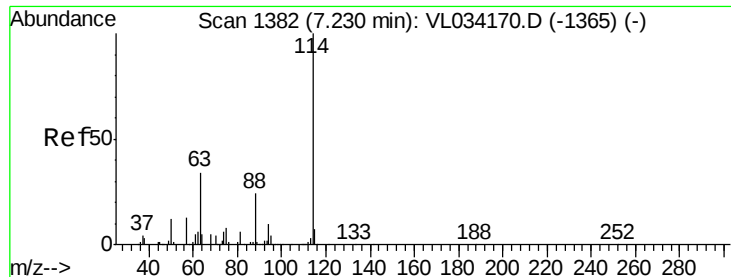
Delta R.T. -0.01 min

Lab File: VL034210.D

Acq: 2 Oct 2019 14:32

Tgt Ion:	83	Resp:	198529
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.3	78.5





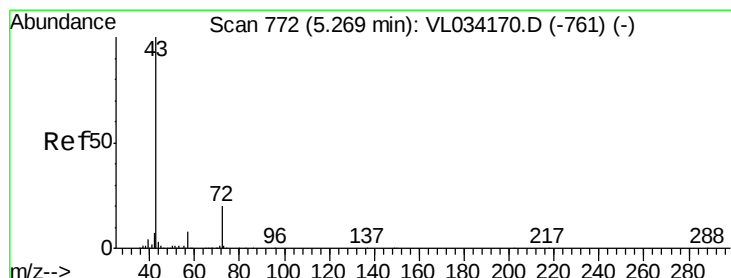
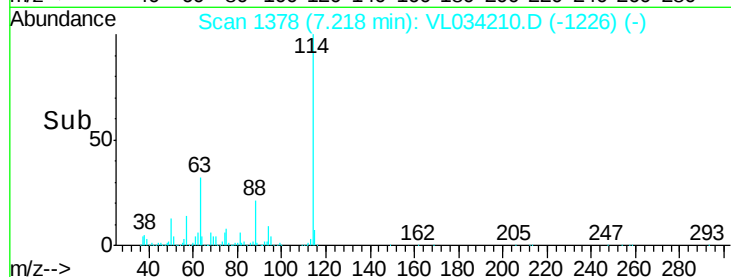
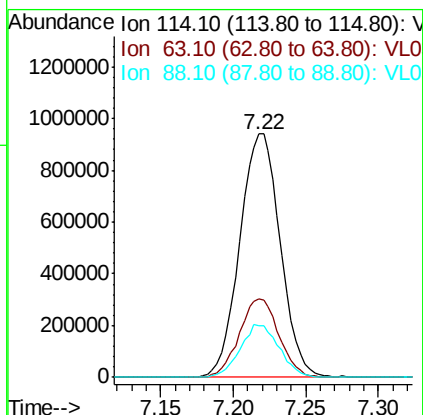
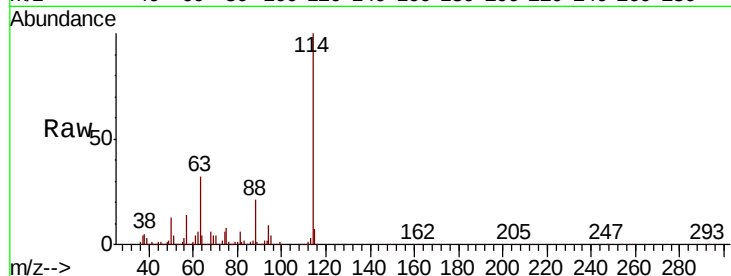
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VL034210.D
 Acq: 2 Oct 2019 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	31.8	27.8	41.6
88	21.1	17.1	25.7

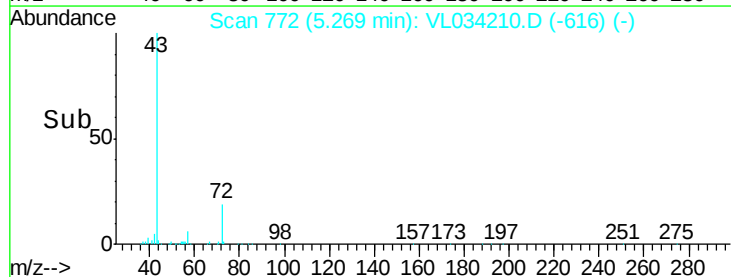
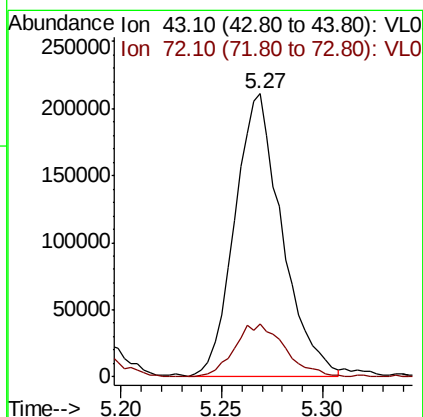
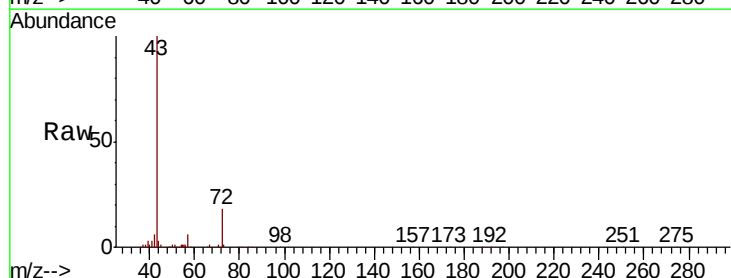
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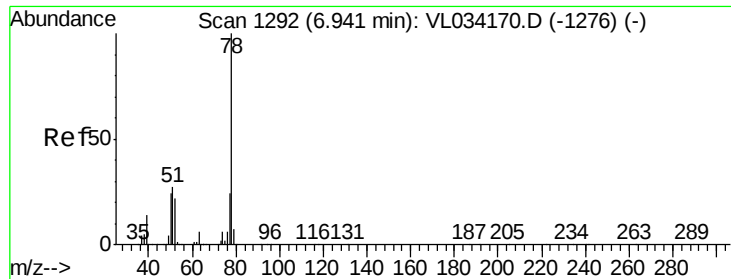
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#34
 2-Butanone
 Concen: 1.841 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: VL034210.D
 Acq: 2 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.4	15.0	22.6





#36

Benzene

Concen: 1.334 ppbv

RT: 6.93 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VL034210.D

Acq: 2 Oct 2019 14:32

Instrument :

MSVOA_L

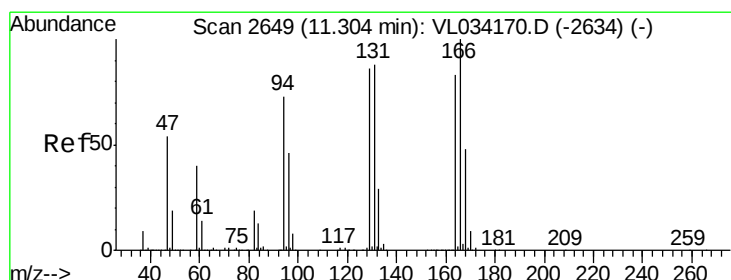
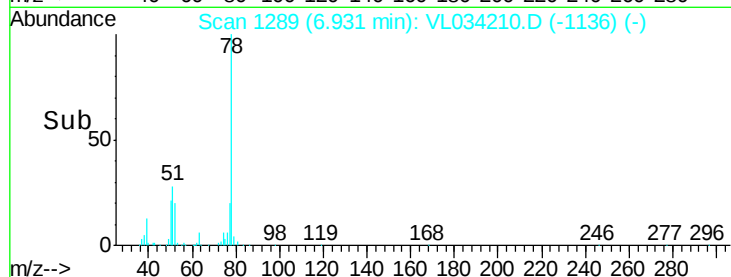
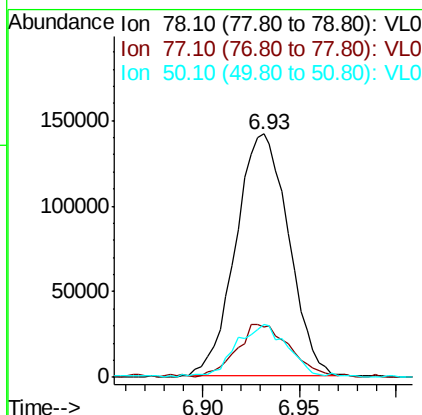
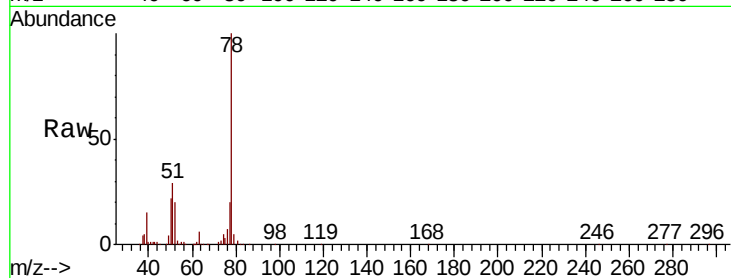
ClientSampleId :

SV-5DL

Tot Ion:	78	Resp:	268879
Ion	Ratio	Lower	Upper
78	100		
77	20.0	19.0	28.4
50	21.3	18.9	28.3

Manual Integrations
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#52

Tetrachloroethene

Concen: 2.384 ppbv

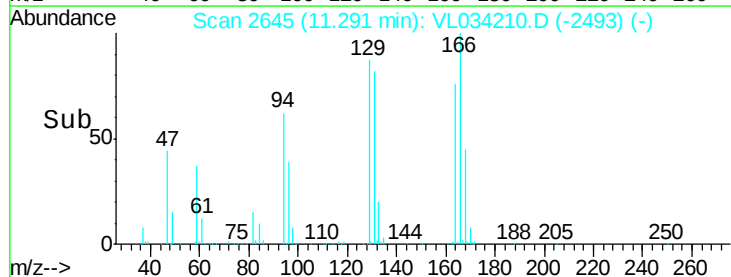
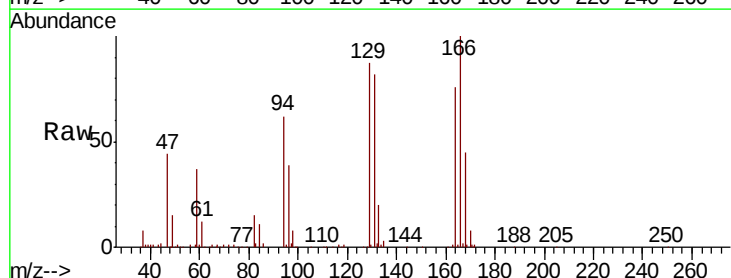
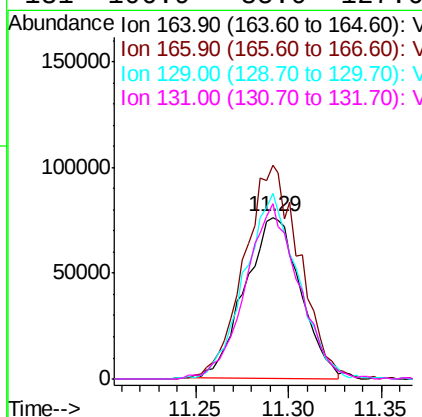
RT: 11.29 min Scan# 2645

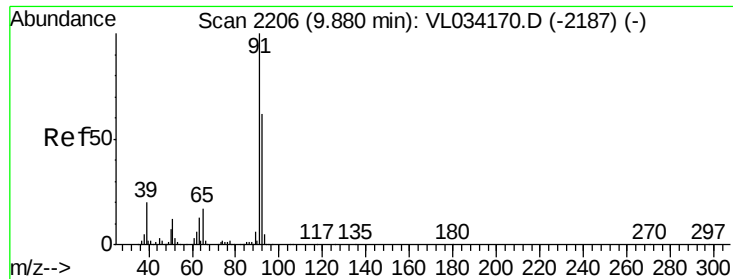
Delta R.T. -0.01 min

Lab File: VL034210.D

Acq: 2 Oct 2019 14:32

Tgt Ion:	164	Resp:	158689
Ion	Ratio	Lower	Upper
164	100		
166	132.6	96.7	145.1
129	115.4	82.8	124.2
131	106.9	85.0	127.6





#53

Toluene

Concen: 1.033 ppbv

RT: 9.87 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL034210.D

Acq: 2 Oct 2019 14:32

Instrument :

MSVOA_L

ClientSampled :

SV-5DL

Tot Ion: 91 Resp: 227440

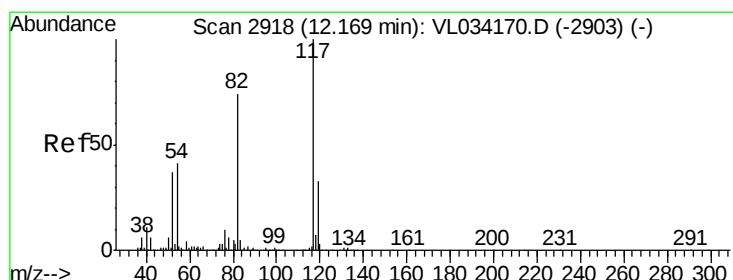
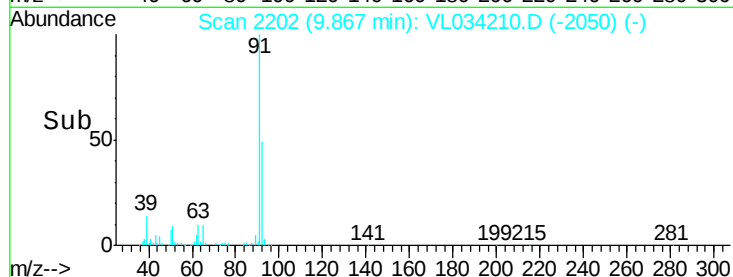
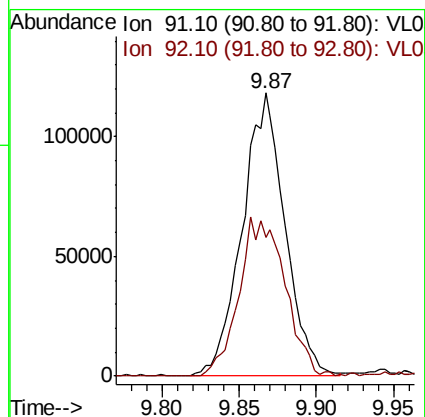
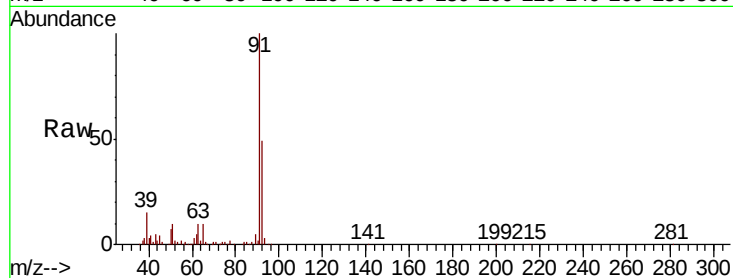
Ion Ratio Lower Upper

91 100

92 60.0 49.0 73.6

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:29:33 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. -0.01 min

Lab File: VL034210.D

Acq: 2 Oct 2019 14:32

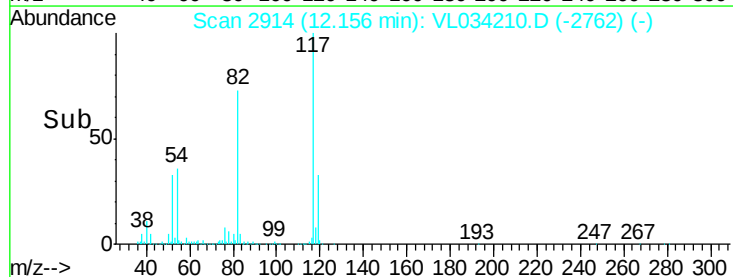
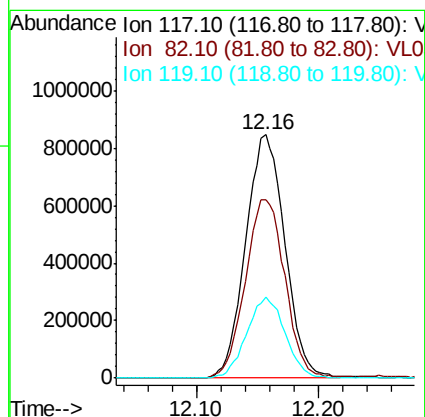
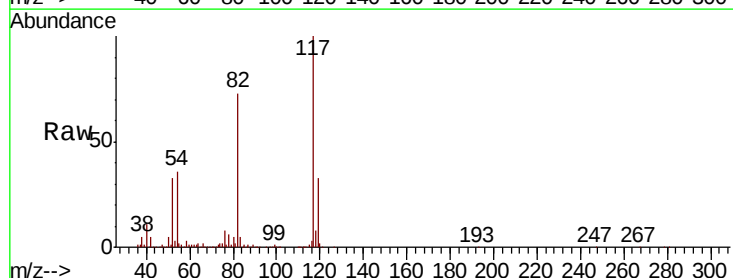
Tgt Ion: 117 Resp: 1875898

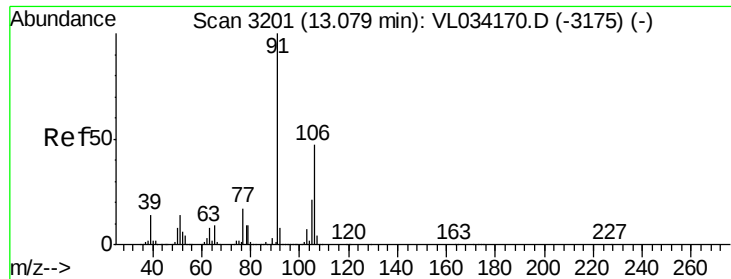
Ion Ratio Lower Upper

117 100

82 74.3 58.2 87.4

119 32.7 23.7 35.5





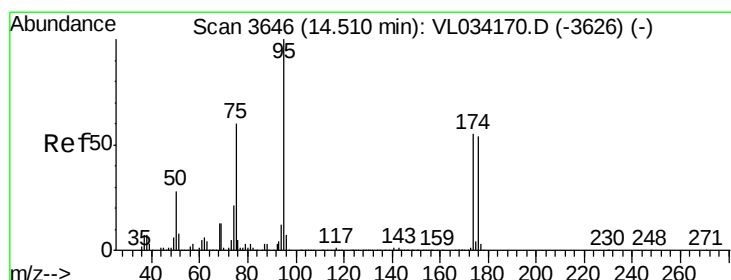
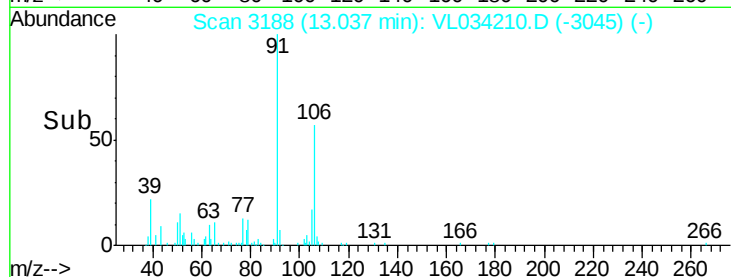
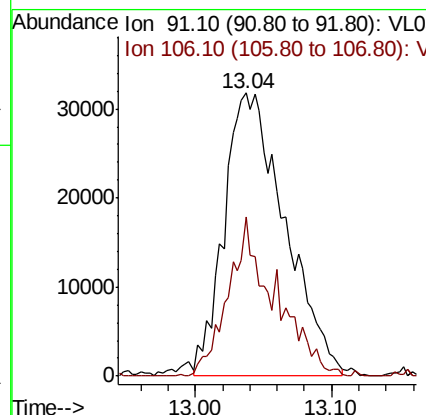
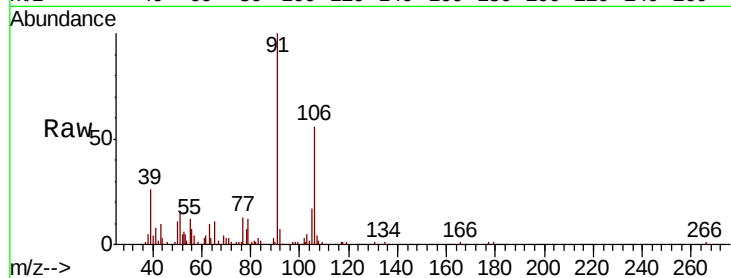
#59
m/p-Xylene
Concen: 0.394 ppbv m
RT: 13.04 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VL034210.D
Acq: 2 Oct 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :
SV-5DL

Tot Ion: 91 Resp: 98811
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:29:33 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.878 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034210.D
Acq: 2 Oct 2019 14:32

Tgt Ion: 95 Resp: 1610120
Ion Ratio Lower Upper
95 100
174 60.5 45.1 67.7
175 4.3 3.3 4.9

