

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034425.D
 Acq On : 2 Dec 2019 14:20
 Operator : SY/AP
 Sample : K6068-01DL 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: Dec 03 11:14:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1015292	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2080730	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2048190	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.48	95	1700653	9.87	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	417870	7.430	ppbv	95
13) Ethanol	3.59	45	281194	17.949	ppbv	97
15) Acetone	3.84	43	541995	3.728	ppbv	98
17) tert-Butyl alcohol	4.30	59	89599	0.733	ppbv	96
19) Isopropyl Alcohol	3.96	45	1801304	19.330	ppbv #	98
26) Hexane	5.71	57	70411	0.632	ppbv #	42
31) cis-1,2-Dichloroethene	5.56	61	61184	0.531	ppbv #	91
32) 1,1,1-Trichloroethane	6.54	97	50152	0.296	ppbv	99
38) Trichloroethene	7.88	130	1311790	15.368	ppbv	97
52) Tetrachloroethene	11.28	164	37076	0.412	ppbv	87
53) Toluene	9.86	91	297287	1.258	ppbv	100
59) m/p-Xylene	13.04	91	110719m	0.403	ppbv	

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

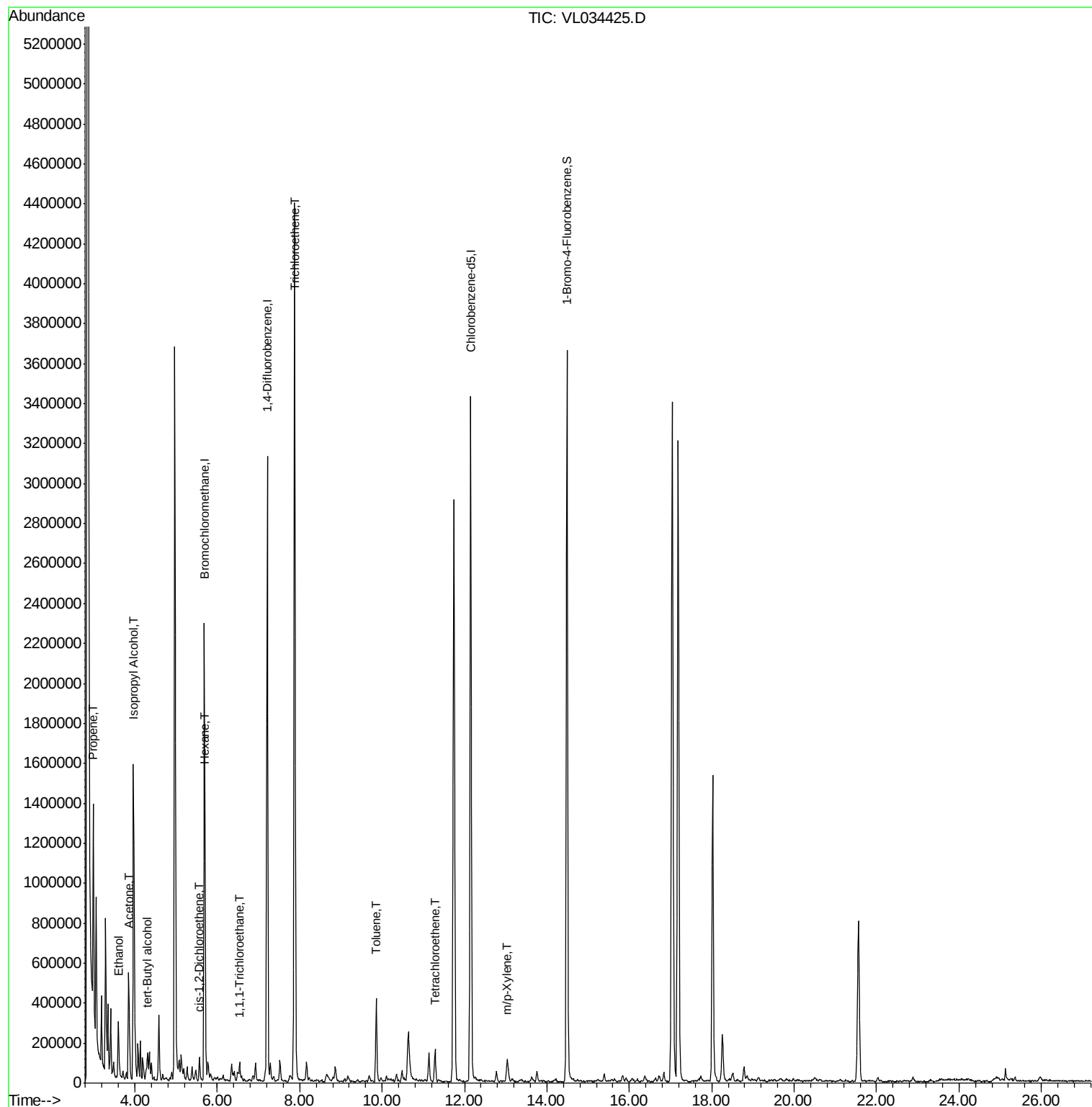
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120219\
Data File : VL034425.D
Acq On : 2 Dec 2019 14:20
Operator : SY/AP
Sample : K6068-01DL 10X
Misc : 400ml/MSVOA L
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Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Manual Integrations
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Quant Time: Dec 03 11:14:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov
QLast Update : Tue Nov 19 14:15:35 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: VL034425.D

Acq: 2 Dec 2019 14:20

Instrument :

MSVOA_L

ClientSampled :

SV-1DL

Tot Ion: 49 Resp: 1015292

Ion Ratio Lower Upper

49 100

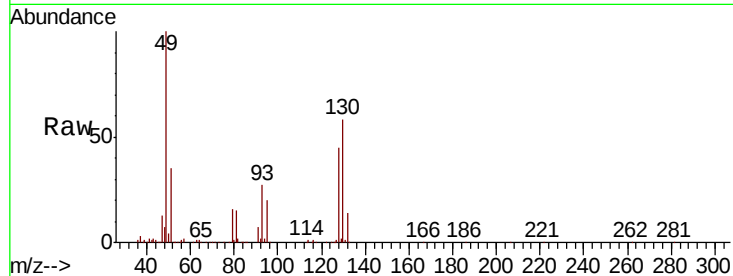
128 44.7 21.8 65.3

130 57.0 28.0 84.0

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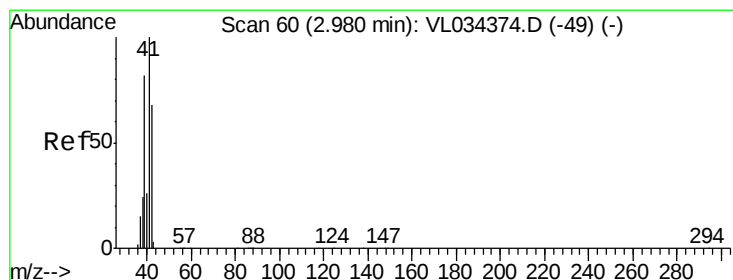
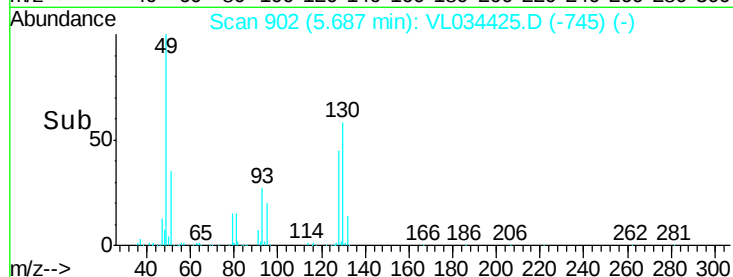
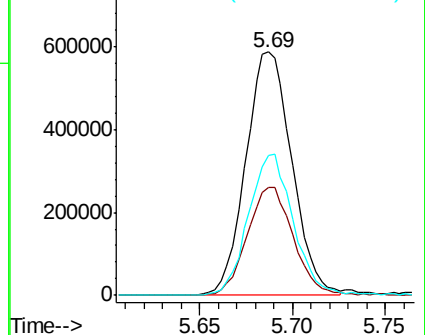
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 7.430 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL034425.D

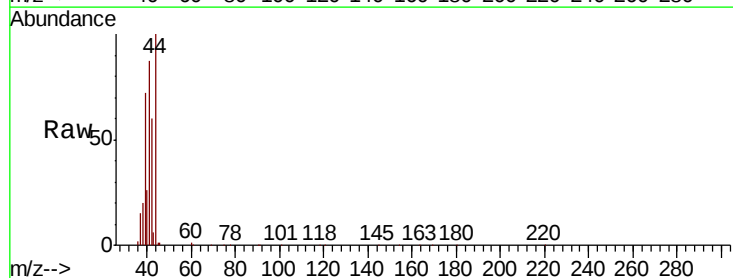
Acq: 2 Dec 2019 14:20

Tgt Ion: 41 Resp: 417870

Ion Ratio Lower Upper

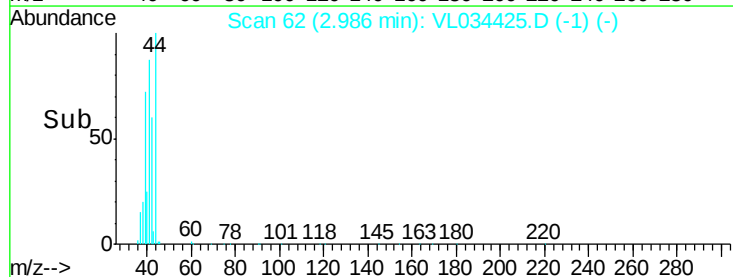
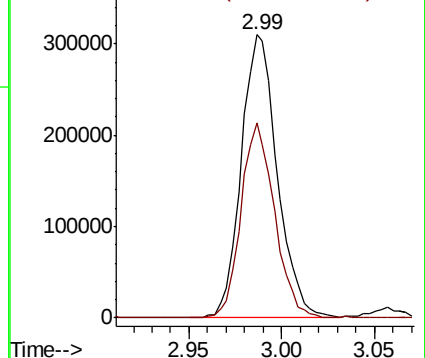
41 100

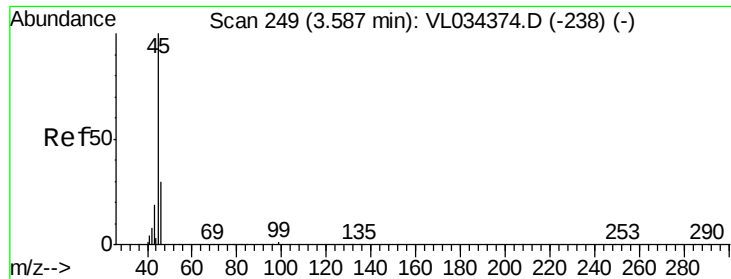
42 64.5 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





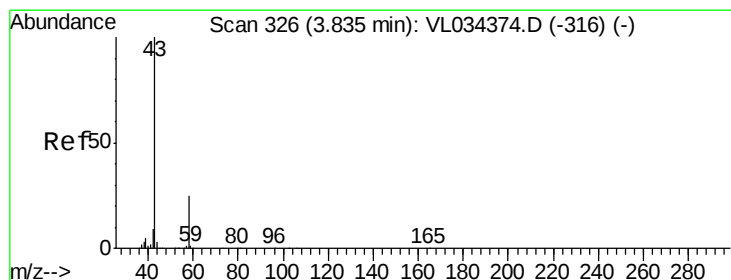
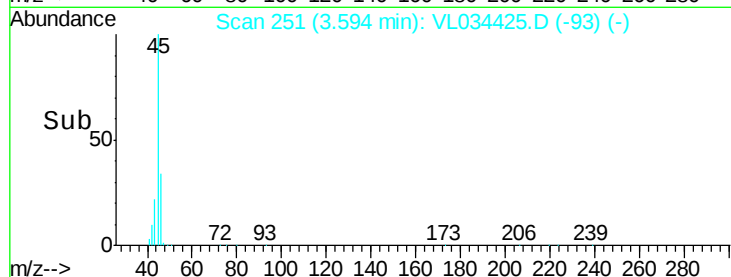
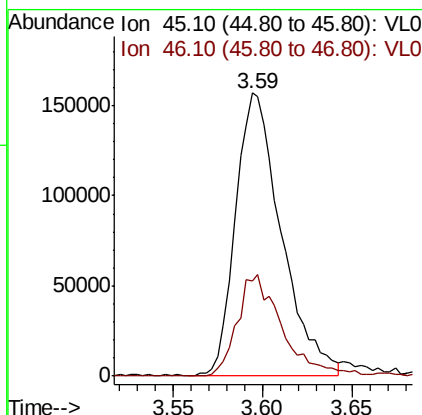
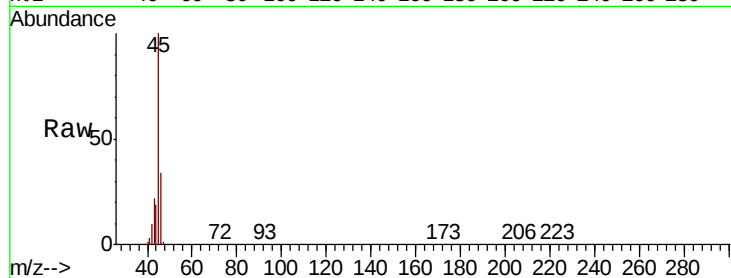
#13
Ethanol
Concen: 17.949 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL034425.D
Acq: 2 Dec 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.1	13.8	55.4

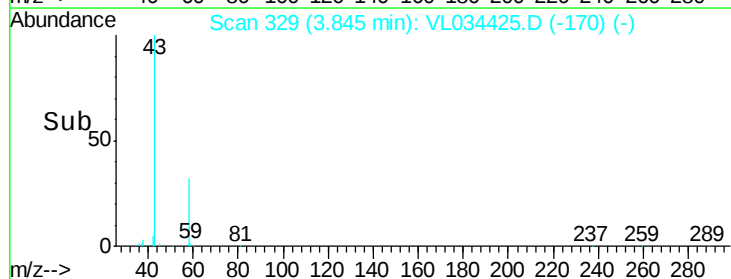
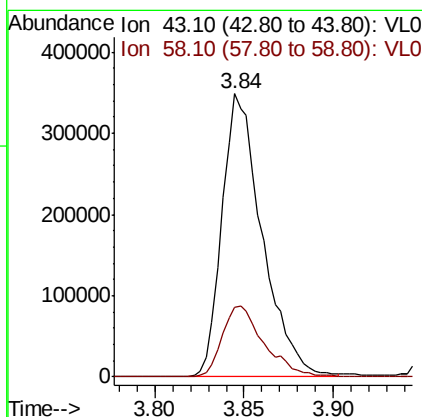
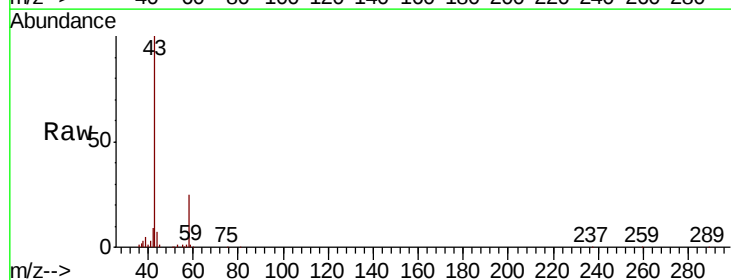
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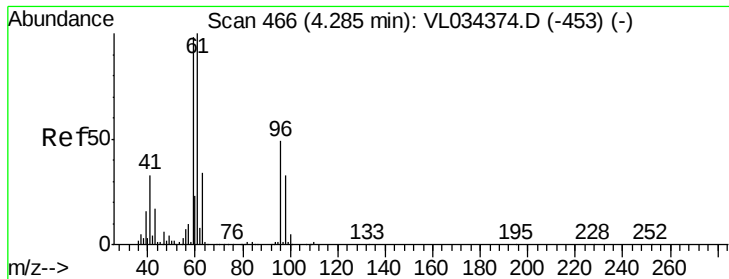
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#15
Acetone
Concen: 3.728 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL034425.D
Acq: 2 Dec 2019 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.3	20.2	30.4





#17

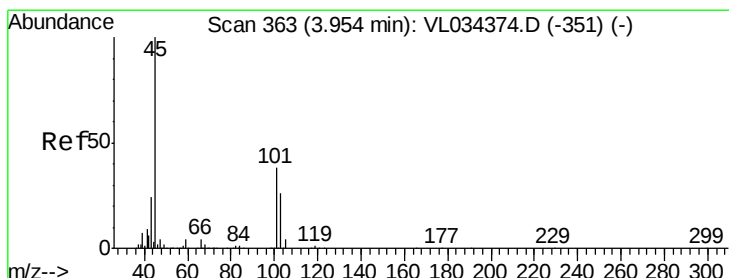
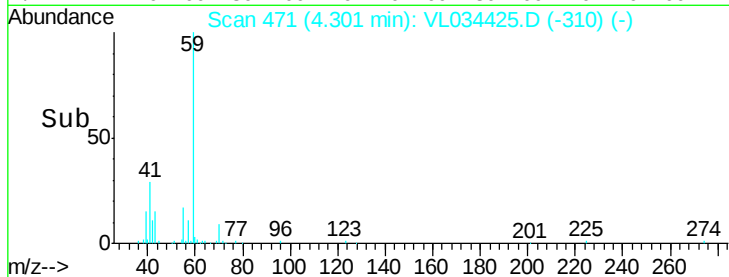
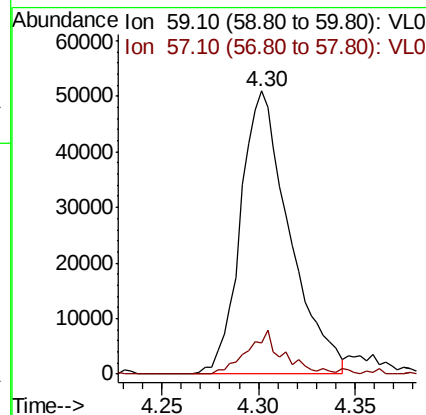
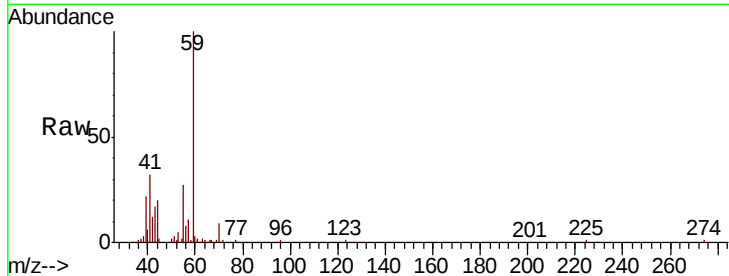
tert-Butyl alcohol
 Concen: 0.733 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VL034425.D
 Acq: 2 Dec 2019 14:20

Instrument :
 MSVOA_L
 ClientSampled :
 SV-1DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.8	13.2

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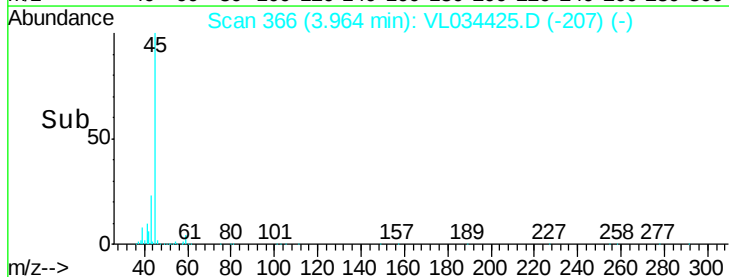
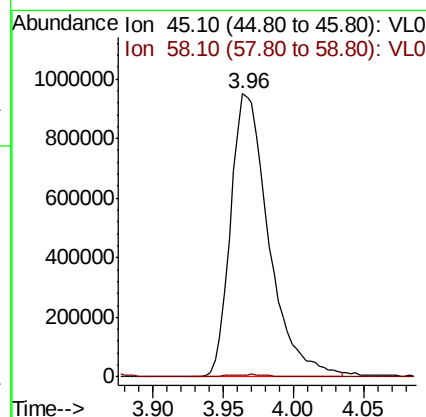
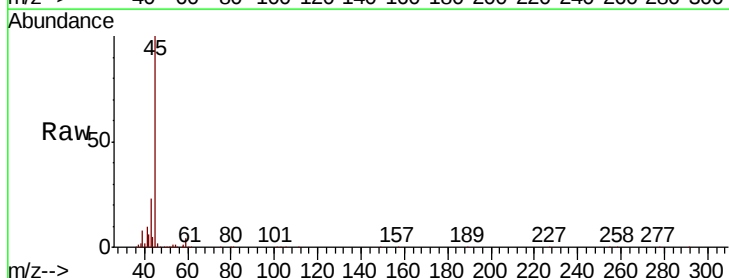
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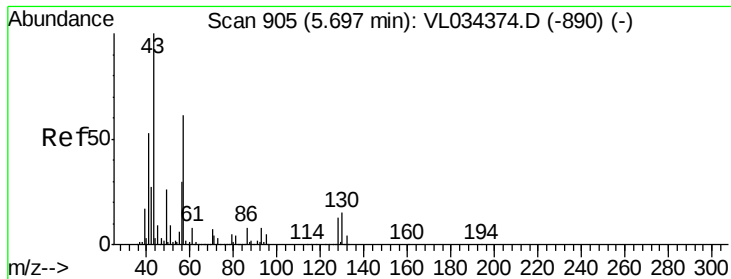


#19

Isopropyl Alcohol
 Concen: 19.330 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL034425.D
 Acq: 2 Dec 2019 14:20

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.9	1.3	1.9#





#26

Hexane

Concen: 0.632 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.01 min

Lab File: VL034425.D

Acq: 2 Dec 2019 14:20

Instrument :

MSVOA_L

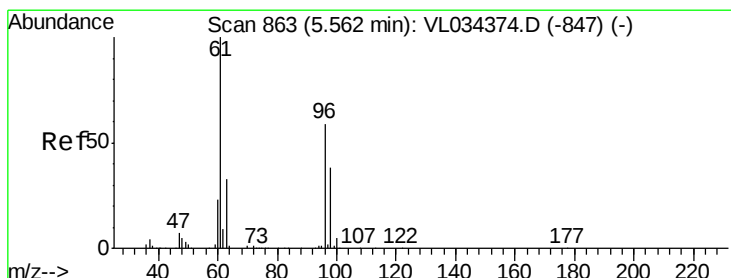
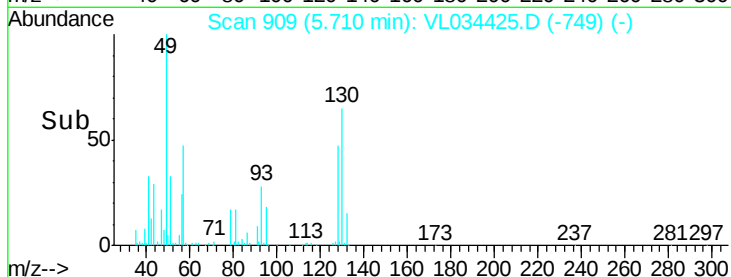
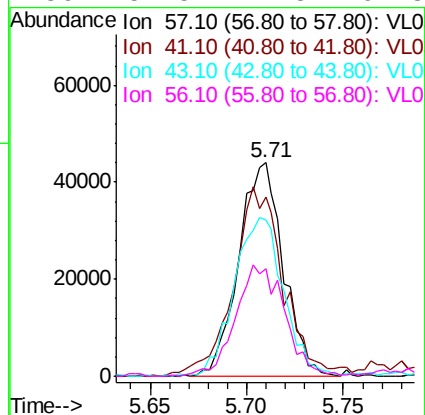
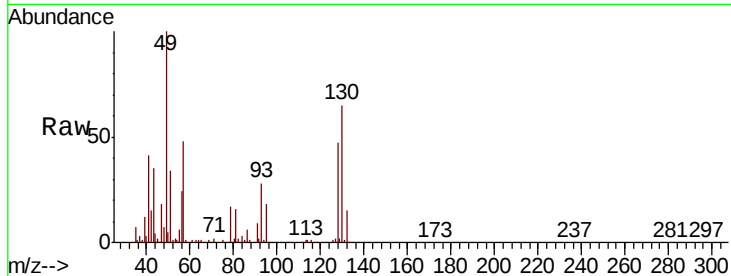
ClientSampleId :

SV-1DL

Tot Ion:	57	Resp:	70411
Ion	Ratio	Lower	Upper
57	100		
41	99.8	75.0	112.4
43	83.7	186.6	279.8#
56	57.5	41.5	62.3

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#31

cis-1,2-Dichloroethene

Concen: 0.531 ppbv

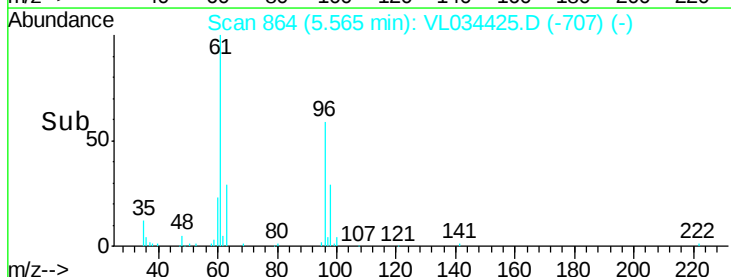
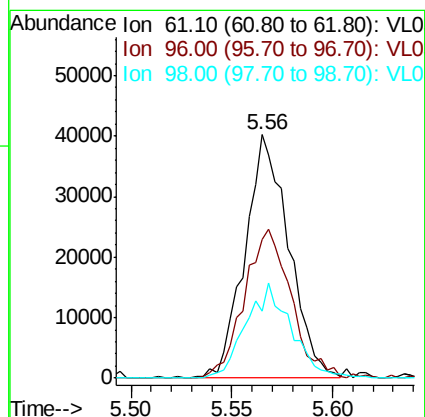
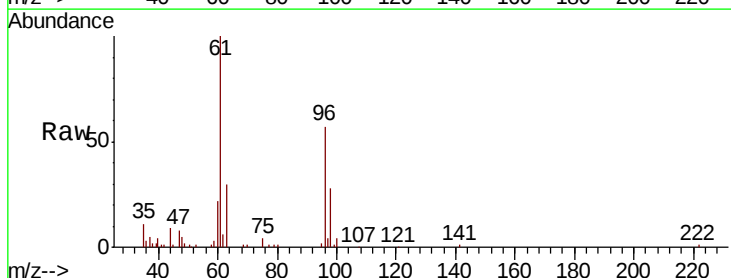
RT: 5.56 min Scan# 864

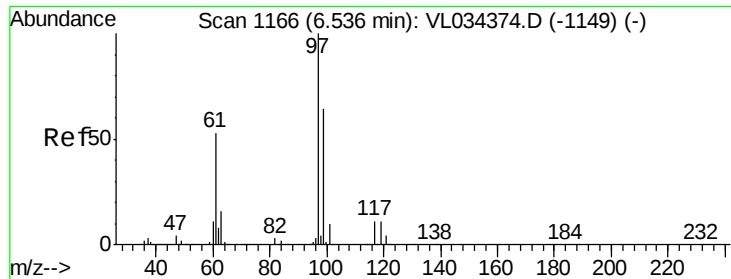
Delta R.T. 0.00 min

Lab File: VL034425.D

Acq: 2 Dec 2019 14:20

Tgt Ion:	61	Resp:	61184
Ion	Ratio	Lower	Upper
61	100		
96	57.2	47.4	71.2
98	27.5	30.6	45.8#





#32

1,1,1-Trichloroethane

Concen: 0.296 ppbv

RT: 6.54 min Scan# 1168

Delta R.T. 0.01 min

Lab File: VL034425.D

Acq: 2 Dec 2019 14:20

Instrument :

MSVOA_L

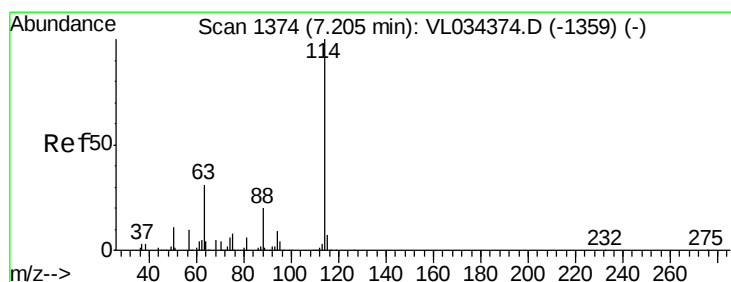
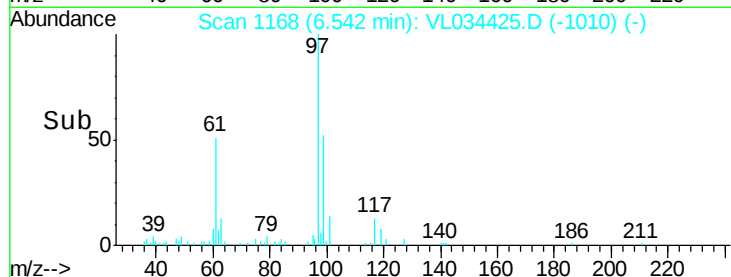
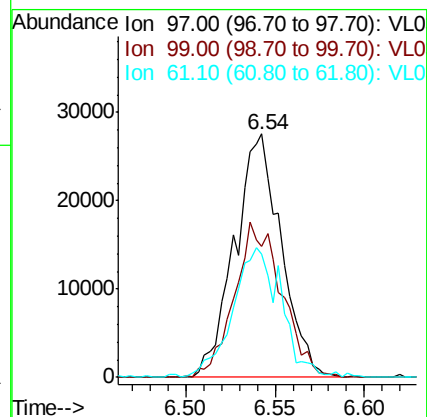
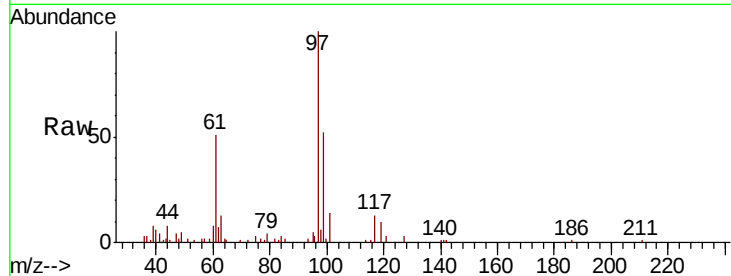
ClientSampled :

SV-1DL

Tot Ion:	97	Resp:	50152
Ion Ratio	Lower	Upper	
97	100		
99	64.9	52.3	78.5
61	56.2	43.7	65.5

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

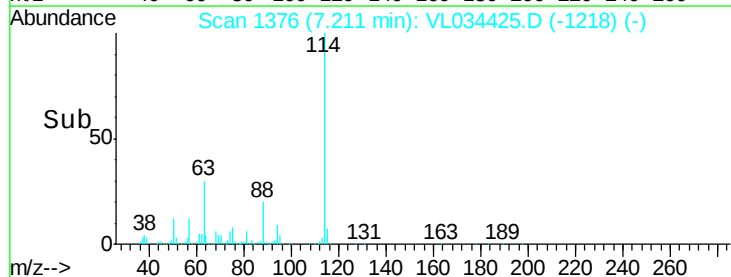
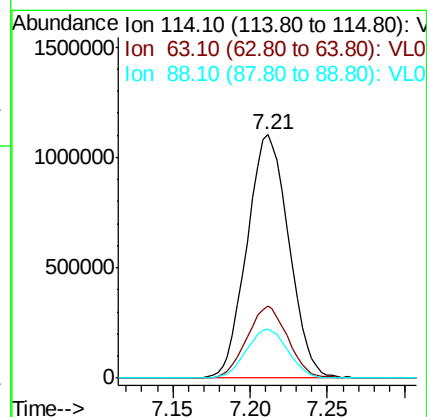
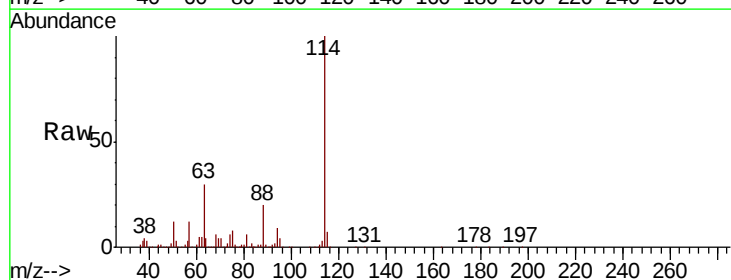
RT: 7.21 min Scan# 1376

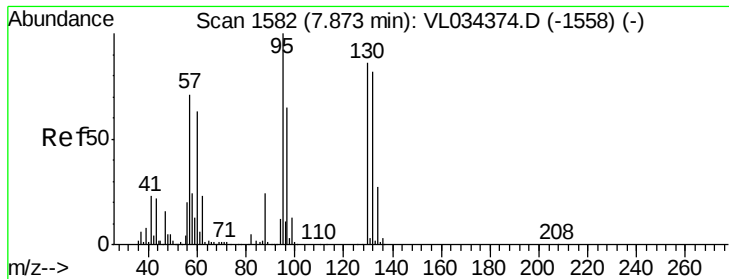
Delta R.T. 0.01 min

Lab File: VL034425.D

Acq: 2 Dec 2019 14:20

Tgt Ion:	114	Resp:	2080730
Ion Ratio	Lower	Upper	
114	100		
63	28.9	24.2	36.4
88	20.0	15.9	23.9





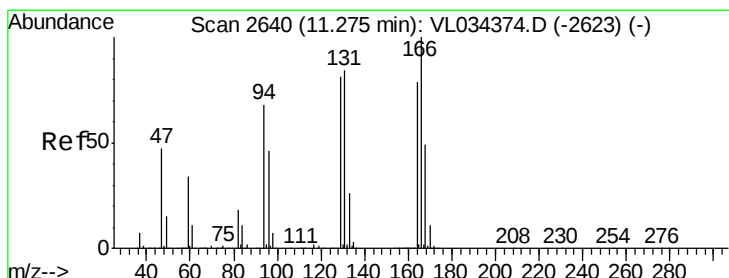
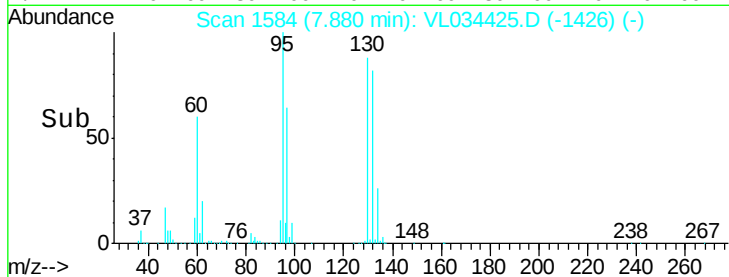
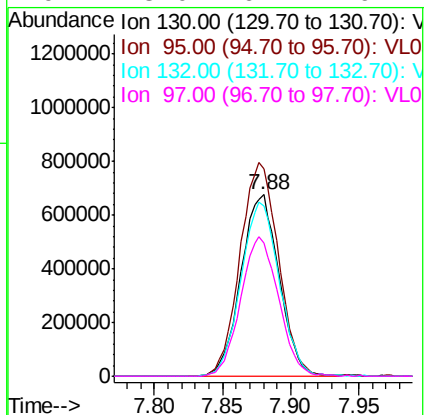
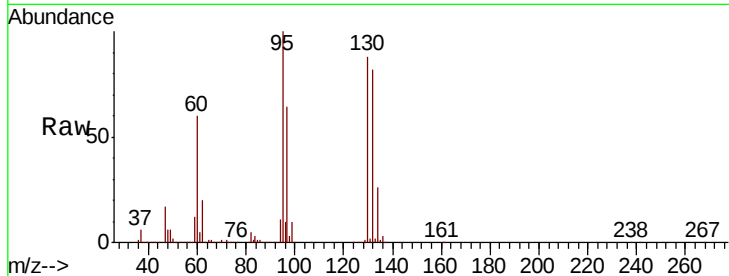
#38
 Trichloroethene
 Concen: 15.368 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VL034425.D
 Acq: 2 Dec 2019 14:20

Instrument :
 MSVOA_L
 ClientSampleID :
 SV-1DL

Tot Ion:130 Resp: 1311790
 Ion Ratio Lower Upper
 130 100
 95 113.9 93.4 140.0
 132 93.8 76.4 114.6
 97 73.0 61.1 91.7

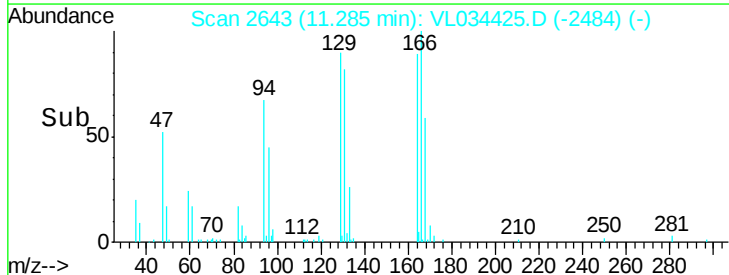
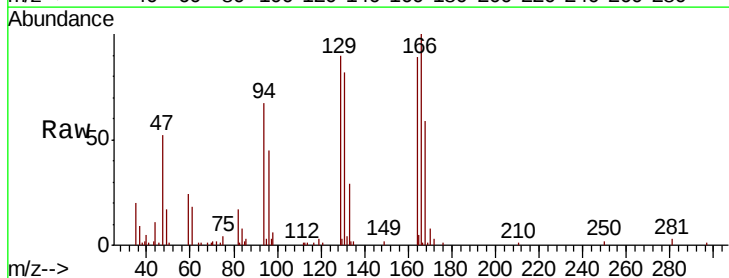
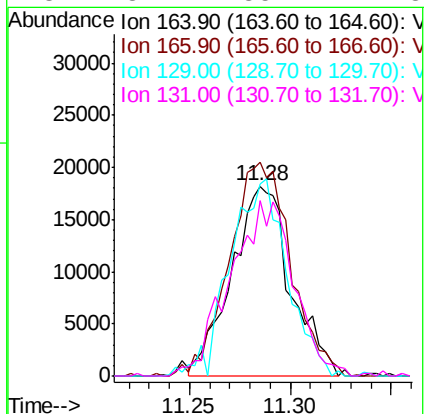
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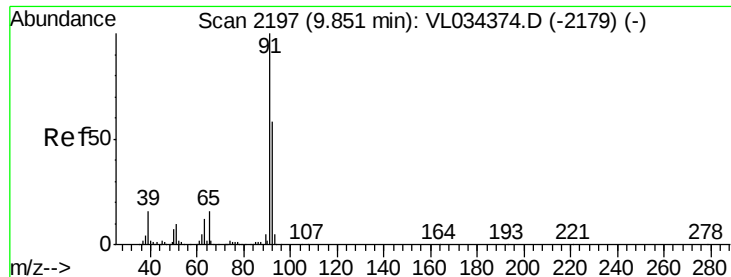
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#52
 Tetrachloroethene
 Concen: 0.412 ppbv
 RT: 11.28 min Scan# 2643
 Delta R.T. 0.01 min
 Lab File: VL034425.D
 Acq: 2 Dec 2019 14:20

Tgt Ion:164 Resp: 37076
 Ion Ratio Lower Upper
 164 100
 166 110.3 101.7 152.5
 129 98.1 82.6 123.8
 131 87.7 85.2 127.8





#53

Toluene

Concen: 1.258 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VL034425.D

Acq: 2 Dec 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

Tot Ion: 91 Resp: 297287

Ion Ratio Lower Upper

91 100

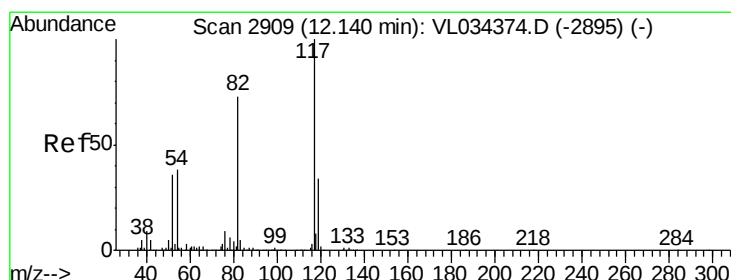
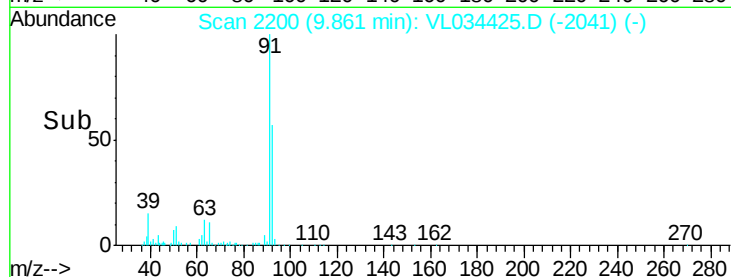
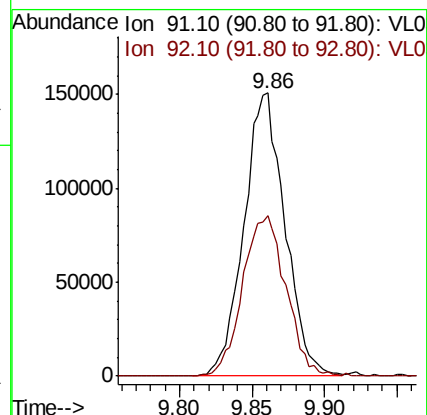
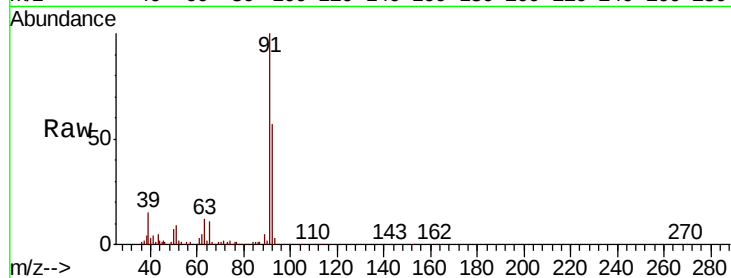
92 59.7 47.9 71.9

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.01 min

Lab File: VL034425.D

Acq: 2 Dec 2019 14:20

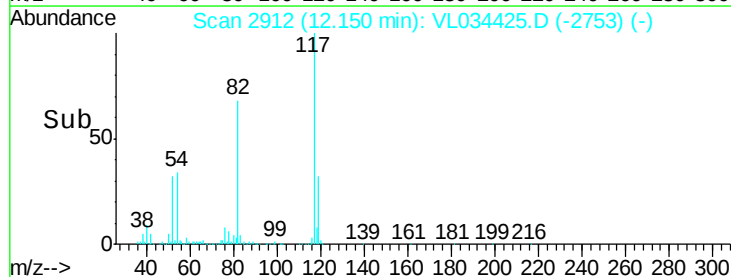
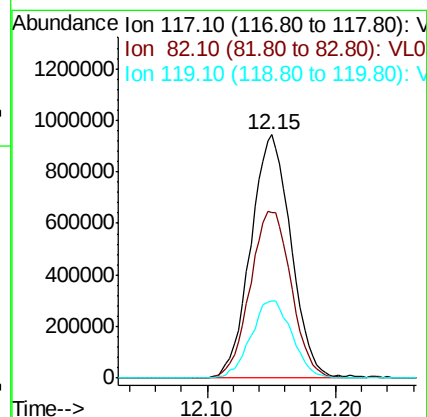
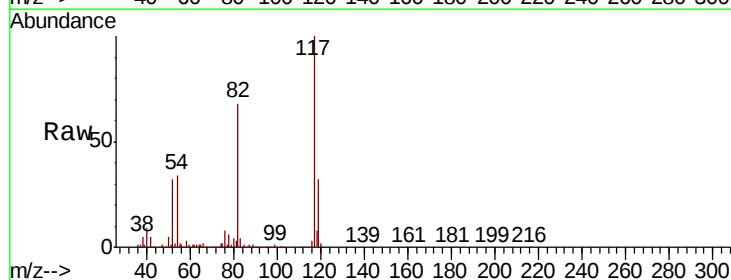
Tgt Ion: 117 Resp: 2048190

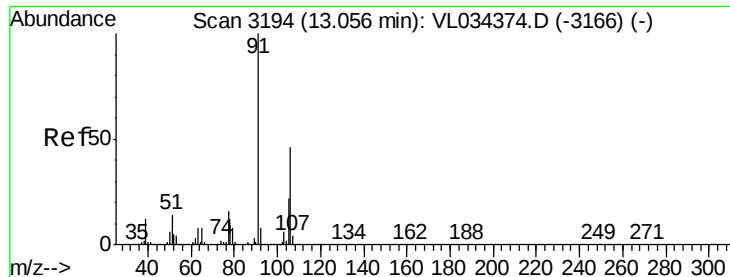
Ion Ratio Lower Upper

117 100

82 70.7 57.5 86.3

119 32.6 25.4 38.2





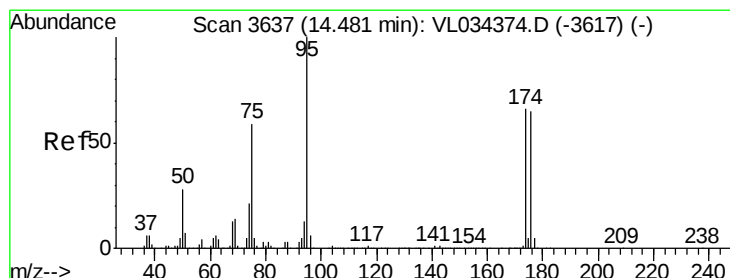
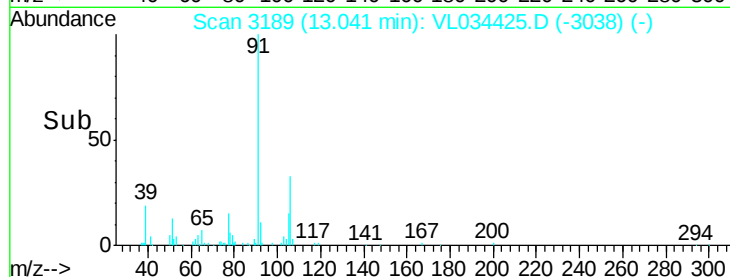
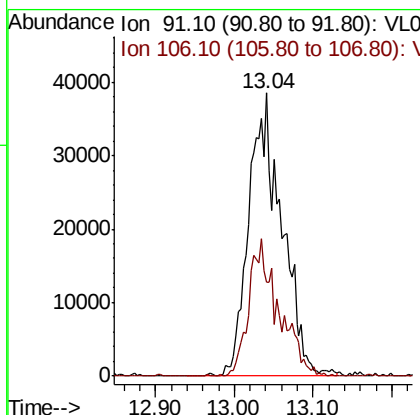
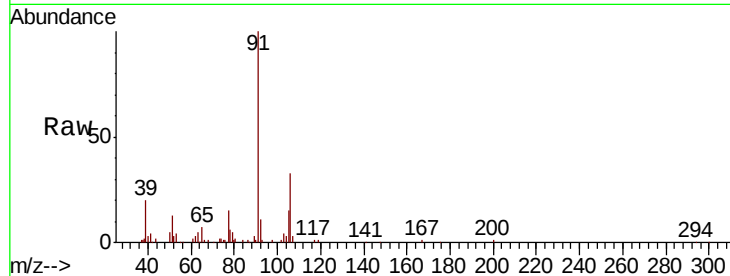
#59
m/p-Xylene
Concen: 0.403 ppbv m
RT: 13.04 min Scan# 3189
Delta R.T. -0.02 min
Lab File: VL034425.D
Acq: 2 Dec 2019 14:20

Instrument :
MSVOA_L
ClientSampled :
SV-1DL

Tot Ion: 91 Resp: 110719
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#

Manual Integrations
APPROVED

apatel
12/4/2019 4:46:40 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.870 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VL034425.D
Acq: 2 Dec 2019 14:20

Tgt Ion: 95 Resp: 1700653
Ion Ratio Lower Upper
95 100
174 66.2 52.2 78.2
175 4.9 3.8 5.8

