

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034445.D
 Acq On : 3 Dec 2019 3:14
 Operator : SY/AP
 Sample : K6097-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2ADL

Manual Integrations
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Quant Time: Dec 03 06:20:17 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	733009	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1423360	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1399993	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1191575	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	25715	0.194	ppbv	95
9) Propene	3.01	41	9872m	0.243	ppbv	
13) Ethanol	3.60	45	73311	6.482	ppbv	90
15) Acetone	3.85	43	71287	0.679	ppbv	96
19) Isopropyl Alcohol	3.97	45	343250	5.102	ppbv #	98
20) Methylene Chloride	4.35	84	14891m	0.400	ppbv	
26) Hexane	5.71	57	11542m	0.143	ppbv	

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

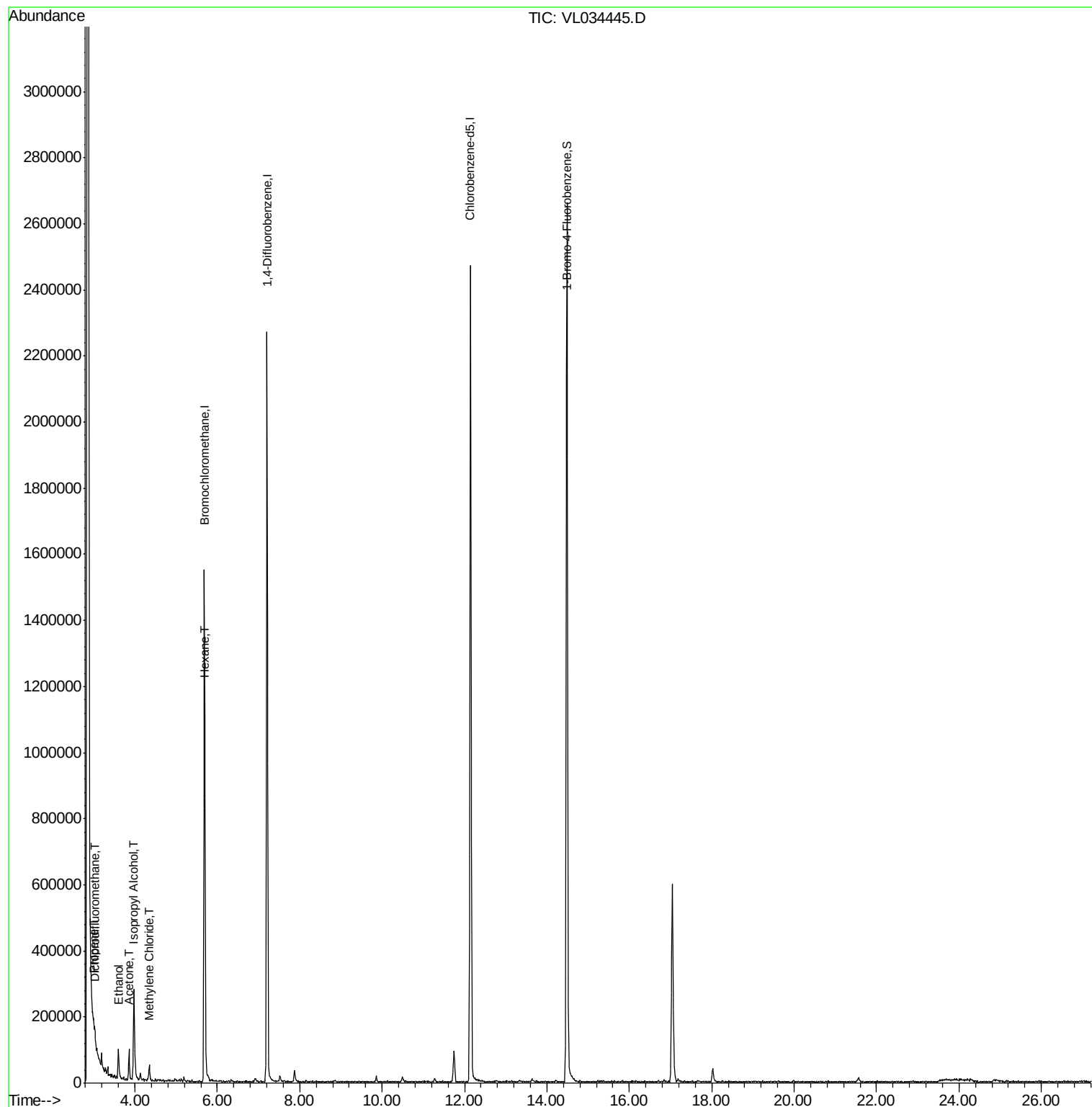
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120219\
Data File : VL034445.D
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Misc : 400ml/MSVOA L
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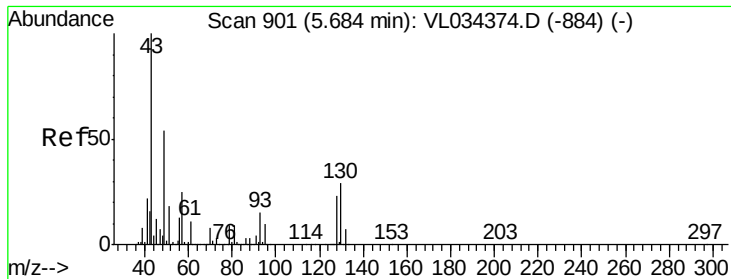
Instrument :
MSVOA_L
ClientSampleId :
IA-2ADL

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Quant Time: Dec 03 06:20:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue 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: VL034445.D

Acq: 3 Dec 2019 3:14

Instrument :

MSVOA_L

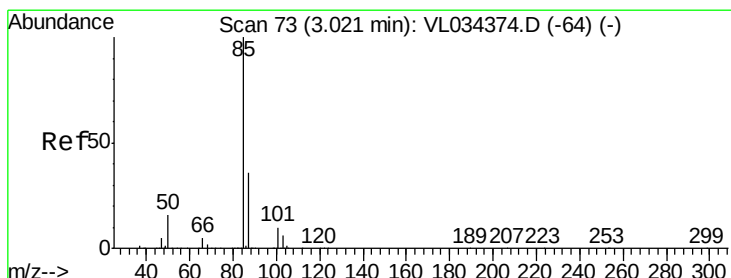
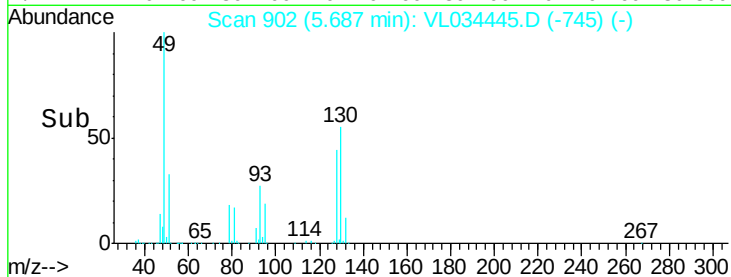
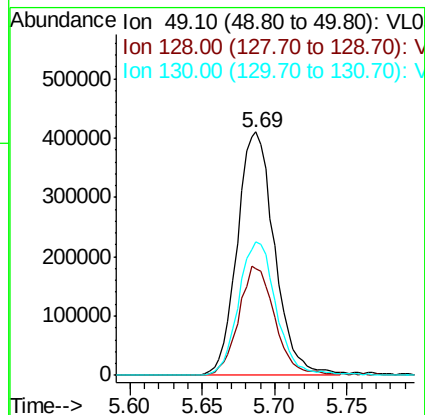
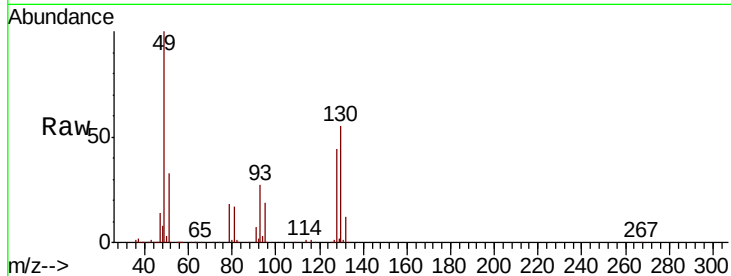
ClientSampled :

IA-2ADL

Tot Ion:	49	Resp:	733009
Ion Ratio	Lower	Upper	
49	100		
128	44.1	21.8	65.3
130	56.0	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 0.194 ppbv

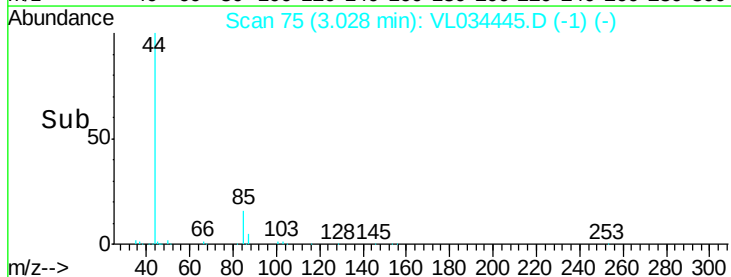
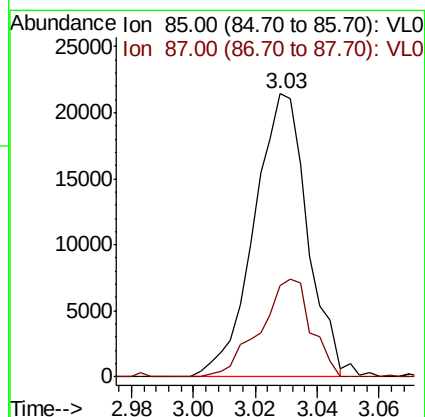
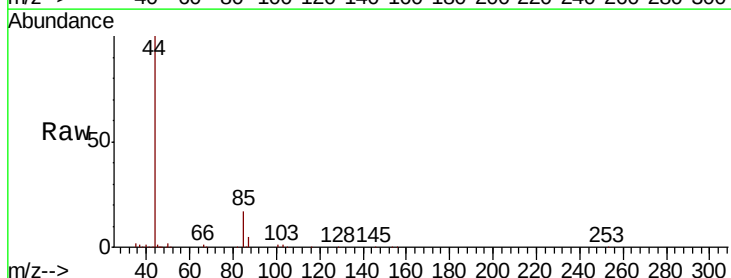
RT: 3.03 min Scan# 75

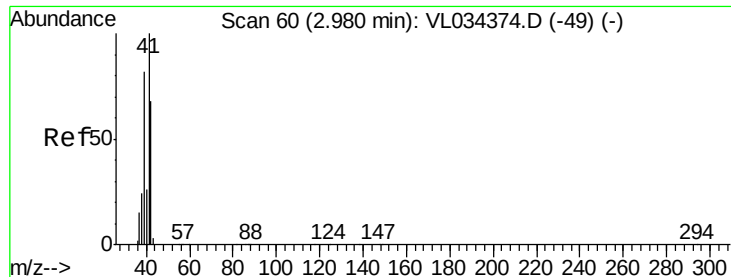
Delta R.T. 0.01 min

Lab File: VL034445.D

Acq: 3 Dec 2019 3:14

Tgt Ion:	85	Resp:	25715
Ion Ratio	Lower	Upper	
85	100		
87	32.4	28.5	42.7





#9

Propene

Concen: 0.243 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. 0.03 min

Lab File: VL034445.D

Acq: 3 Dec 2019 3:14

Instrument :

MSVOA_L

ClientSampleId :

IA-2ADL

Tot Ion: 41 Resp: 9872

Ion Ratio Lower Upper

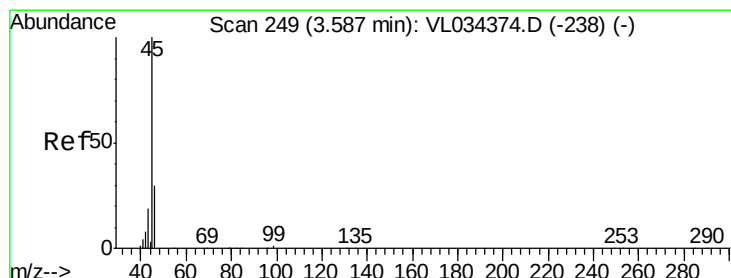
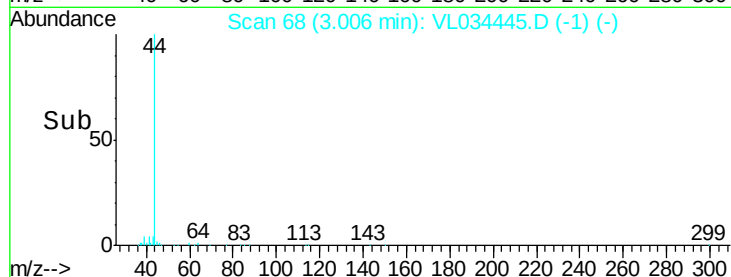
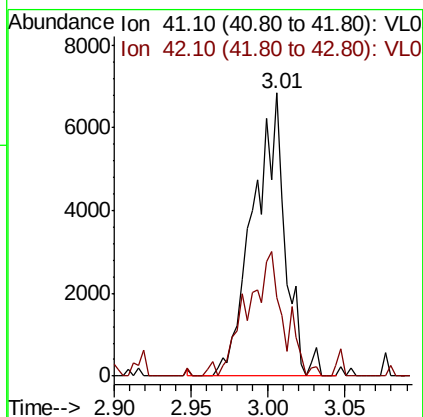
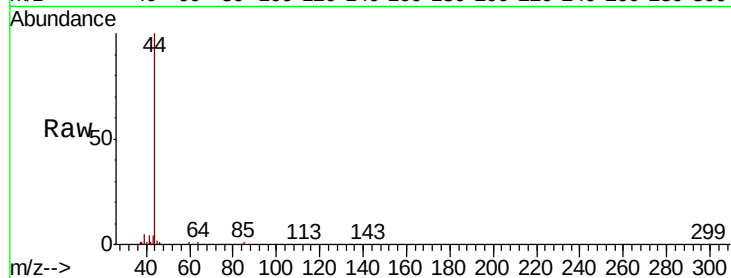
41 100

42 13.5 54.6 82.0#

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#13

Ethanol

Concen: 6.482 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.01 min

Lab File: VL034445.D

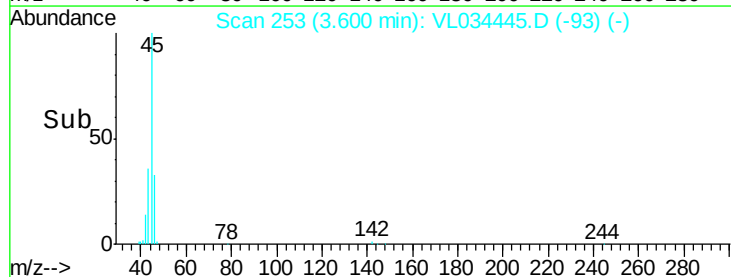
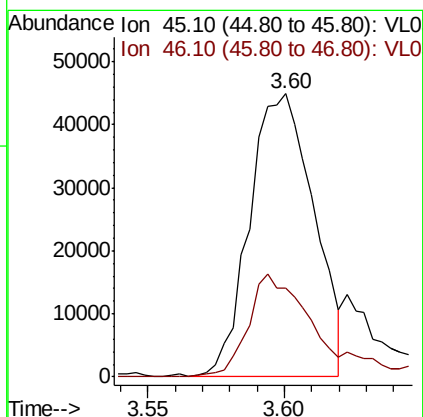
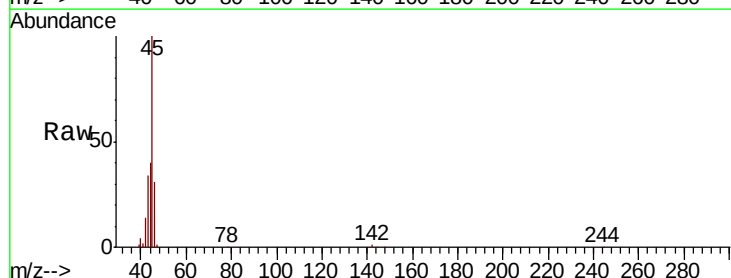
Acq: 3 Dec 2019 3:14

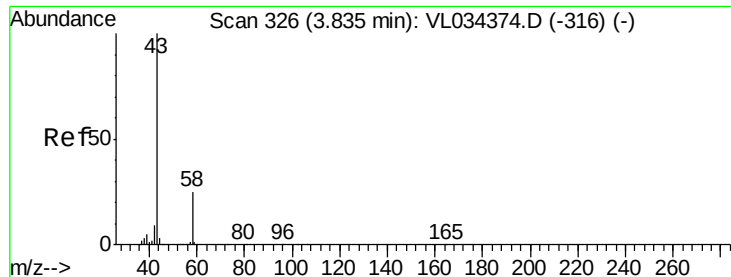
Tgt Ion: 45 Resp: 73311

Ion Ratio Lower Upper

45 100

46 40.6 13.8 55.4





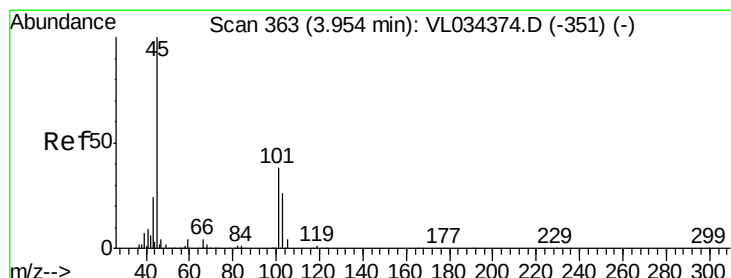
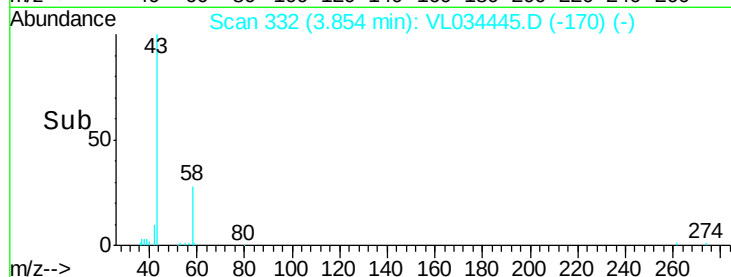
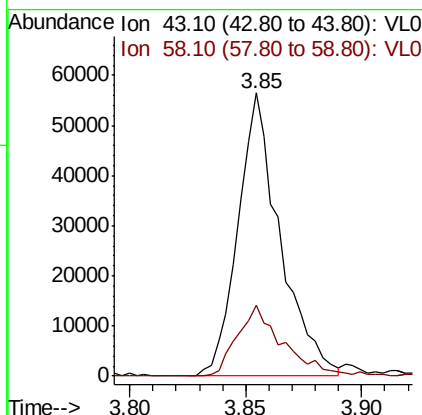
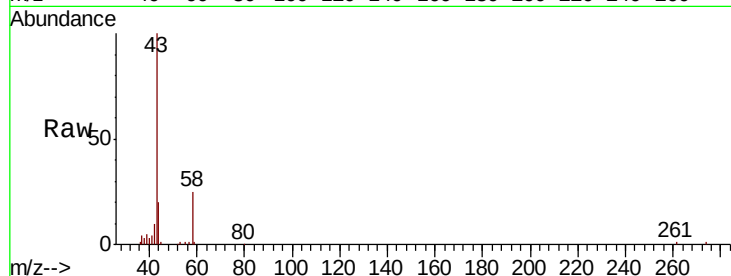
#15
Acetone
Concen: 0.679 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

Instrument :
MSVOA_L
ClientSampleId :
IA-2ADL

Tot Ion: 43 Resp: 71287
Ion Ratio Lower Upper
43 100
58 27.5 20.2 30.4

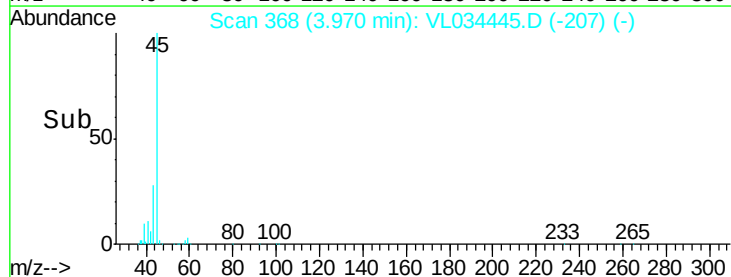
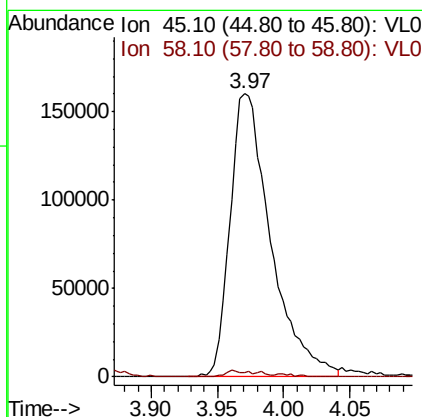
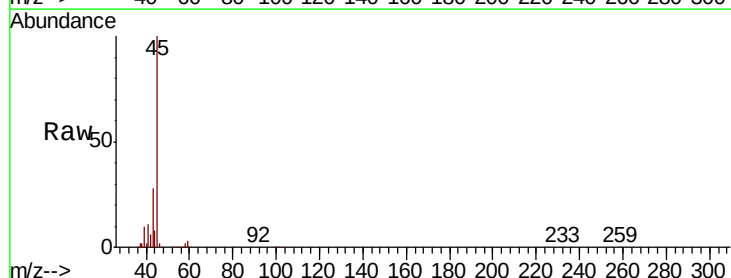
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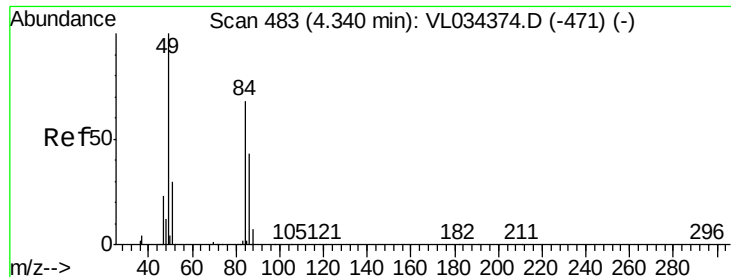
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#19
Isopropyl Alcohol
Concen: 5.102 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.02 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

Tgt Ion: 45 Resp: 343250
Ion Ratio Lower Upper
45 100
58 2.4 1.3 1.9#





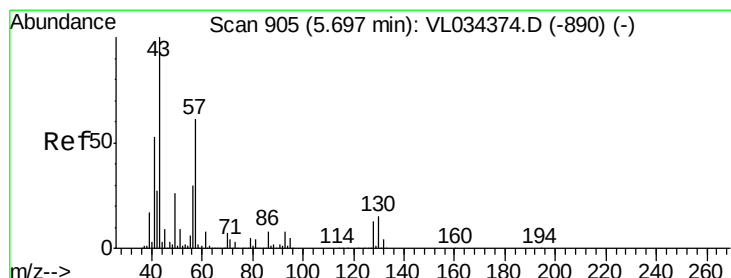
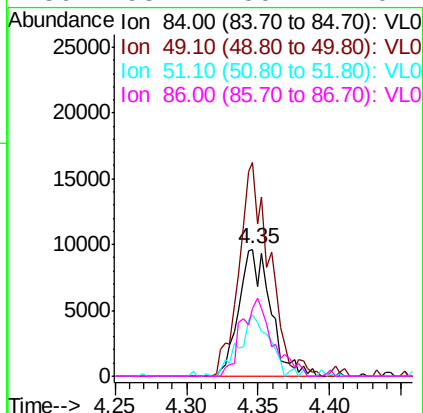
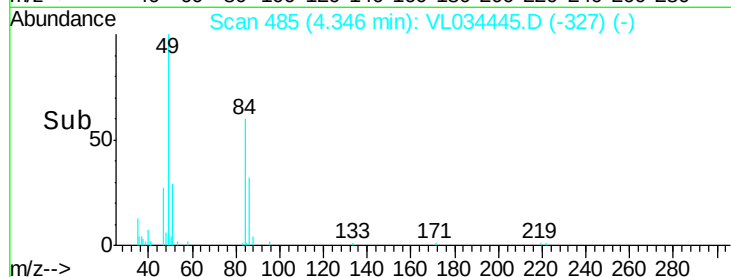
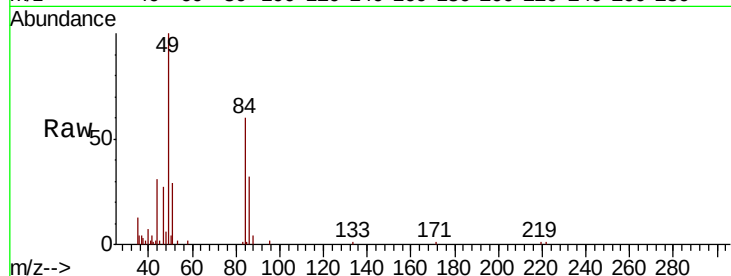
#20
Methylene Chloride
Concen: 0.400 ppbv m
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

Instrument :
MSVOA_L
ClientSampled :
IA-2ADL

Tot Ion:	84	Resp:	14891
Ion	Ratio	Lower	Upper
84	100		
49	167.8	116.8	175.2
51	48.4	35.6	53.4
86	53.7	50.7	76.1

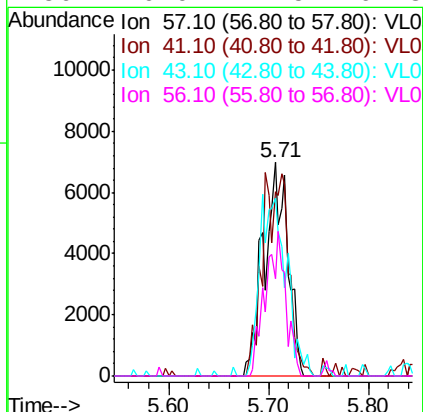
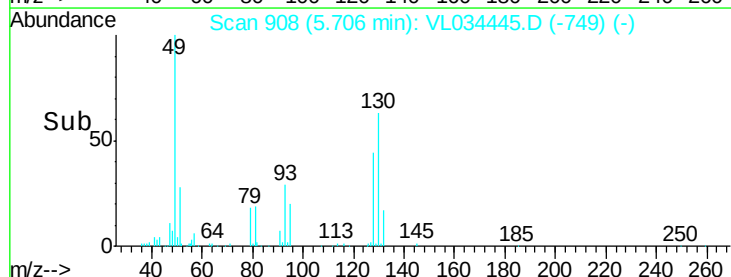
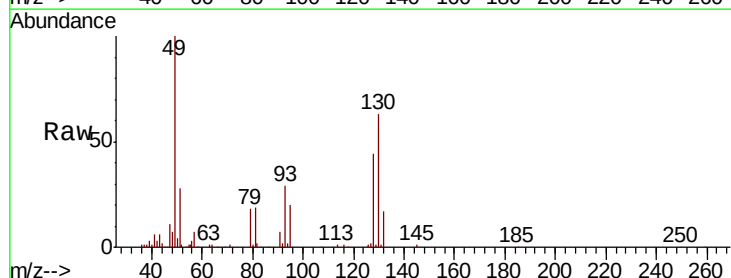
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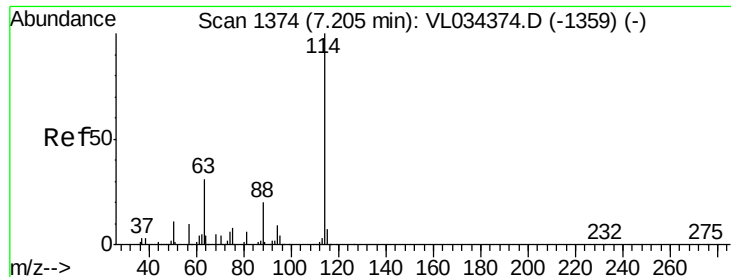
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#26
Hexane
Concen: 0.143 ppbv m
RT: 5.71 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL034445.D
Acq: 3 Dec 2019 3:14

Tgt Ion:	57	Resp:	11542
Ion	Ratio	Lower	Upper
57	100		
41	103.1	75.0	112.4
43	96.7	186.6	279.8#
56	0.0	41.5	62.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VL034445.D

Acq: 3 Dec 2019 3:14

Instrument :

MSVOA_L

ClientSampled :

IA-2ADL

Tot Ion:114 Resp: 1423360

Ion Ratio Lower Upper

114 100

63 29.7 24.2 36.4

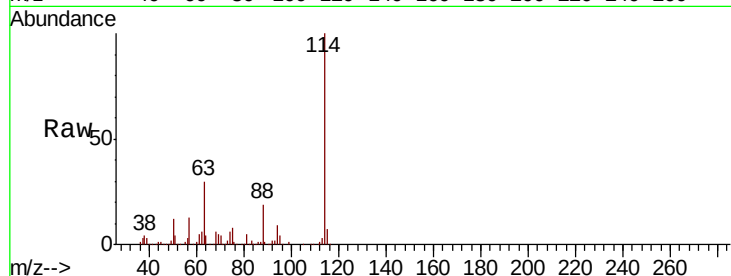
88 19.4 15.9 23.9

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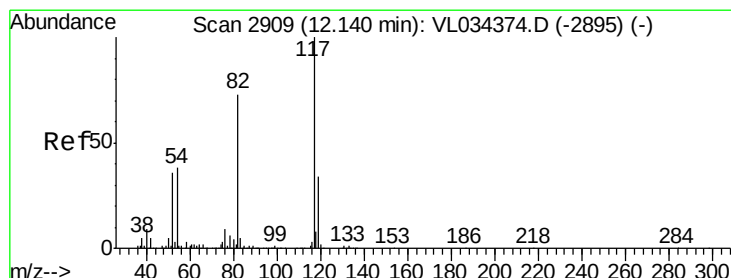
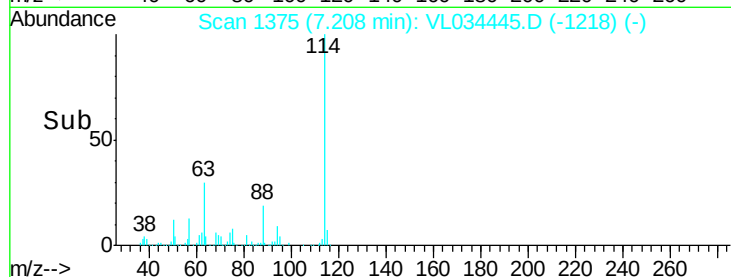
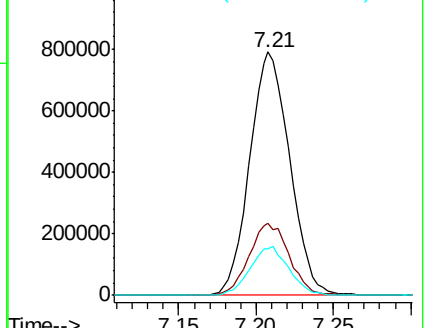
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL034445.D

Acq: 3 Dec 2019 3:14

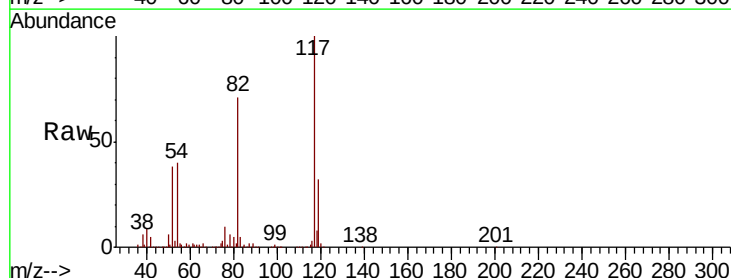
Tgt Ion:117 Resp: 1399993

Ion Ratio Lower Upper

117 100

82 71.0 57.5 86.3

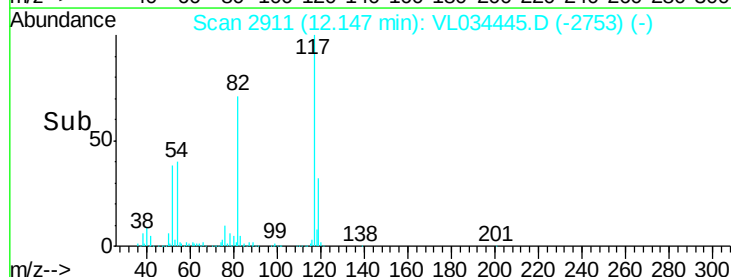
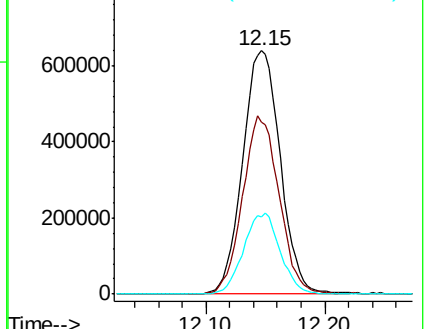
119 32.5 25.4 38.2

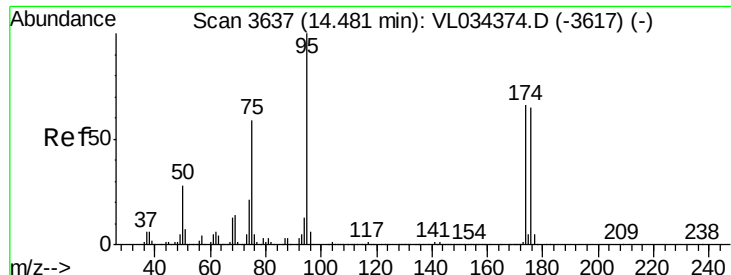


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.117 ppbv
 RT: 14.48 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VL034445.D
 Acq: 3 Dec 2019 3:14

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2ADL

Tot Ion	Ratio	Lower	Upper
95	100		
174	63.5	52.2	78.2
175	4.5	3.8	5.8

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