

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120919\
 Data File : VL034478.D
 Acq On : 10 Dec 2019 00:07
 Operator : SY/AP
 Sample : K6195-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-2

Manual Integrations
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Quant Time: Dec 11 11:41:37 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	5.67	49	826235	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1605101	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1574398	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1367021	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	79430	0.531	ppbv	88
3) Chlorodifluoromethane	2.96	51	27487m	0.267	ppbv	
4) Chloromethane	3.11	50	25233	0.415	ppbv	90
9) Propene	2.99	41	31071m	0.679	ppbv	
11) Trichlorofluoromethane	3.94	101	34716	0.233	ppbv	99
13) Ethanol	3.60	45	24404m	1.914	ppbv	
15) Acetone	3.84	43	193551	1.636	ppbv	98
20) Methylene Chloride	4.34	84	48456	1.155	ppbv #	83
26) Hexane	5.69	57	42264	0.466	ppbv #	36
34) 2-Butanone	5.25	43	14111m	0.107	ppbv	
35) Carbon Tetrachloride	7.03	117	9916m	0.072	ppbv	

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

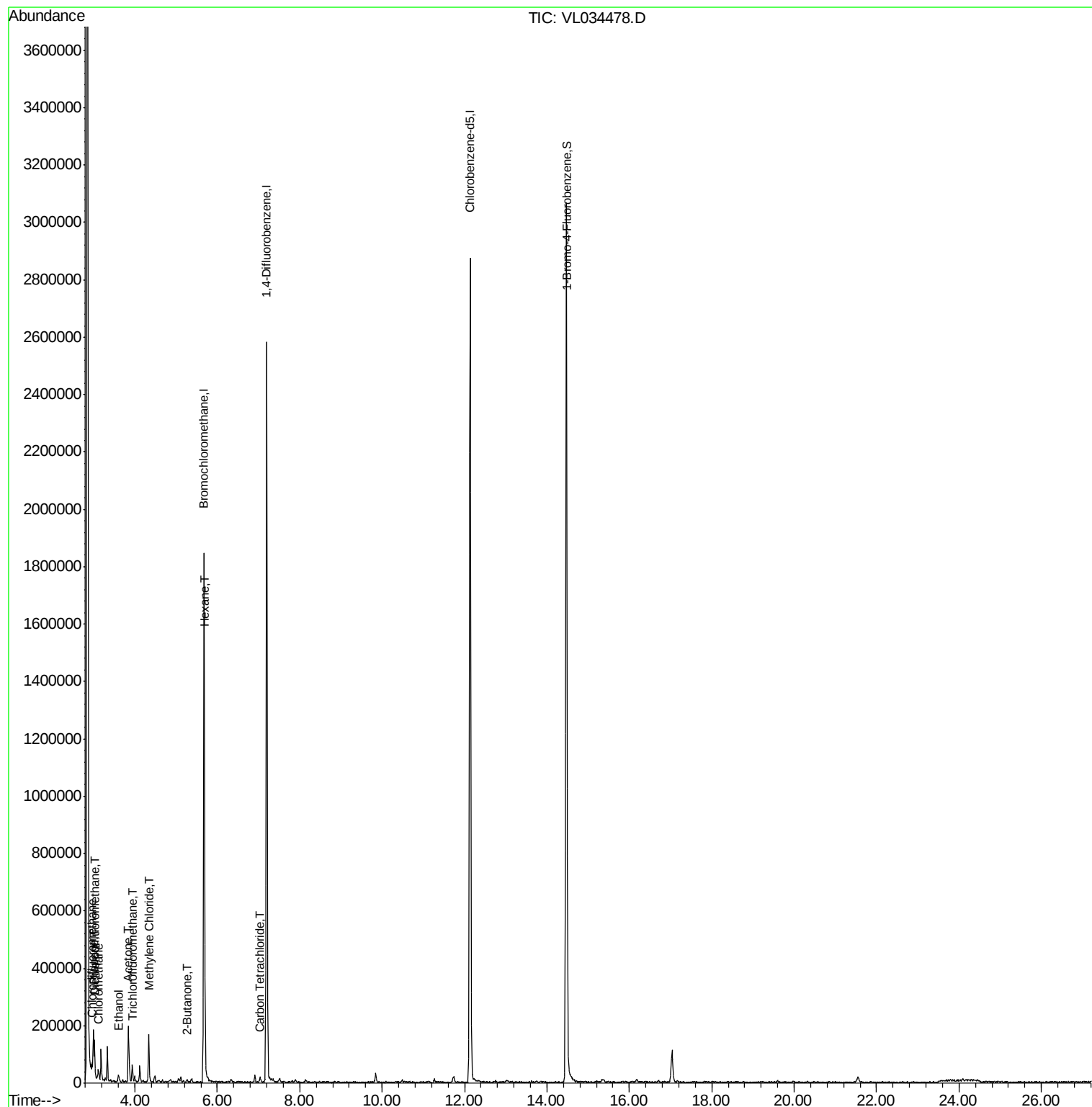
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120919\
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Manual Integrations
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Quant Time: Dec 11 11:41:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS 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: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034478.D

Acq: 10 Dec 2019 00:07

Instrument :

MSVOA_L

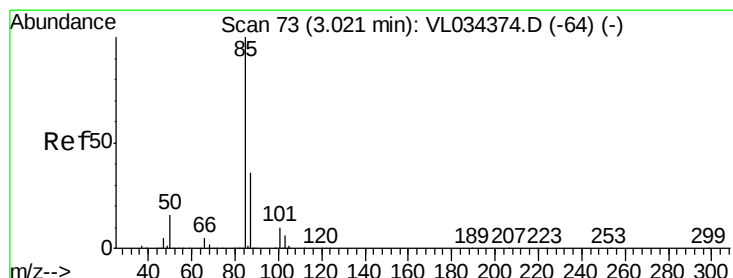
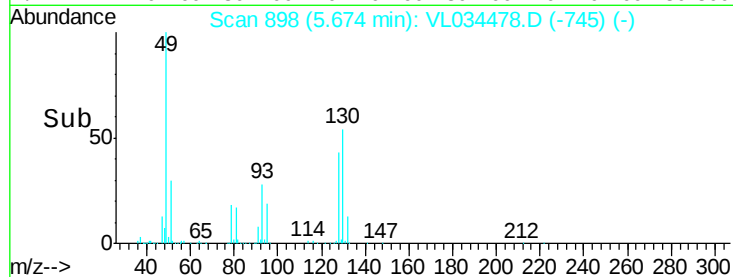
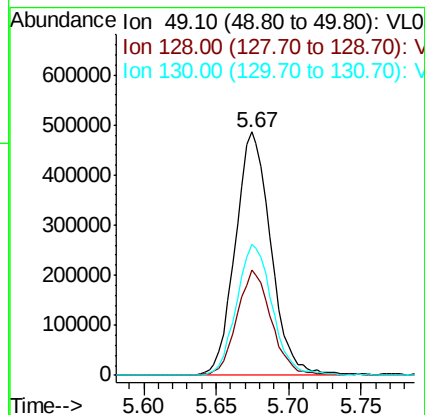
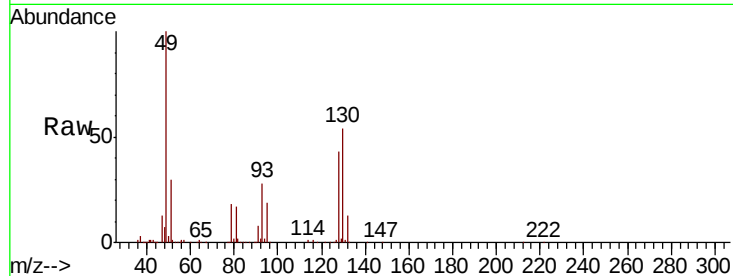
ClientSampled :

A-2

Tot Ion:	49	Resp:	826235
Ion Ratio	Lower	Upper	
49	100		
128	42.5	21.8	65.3
130	54.7	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 0.531 ppbv

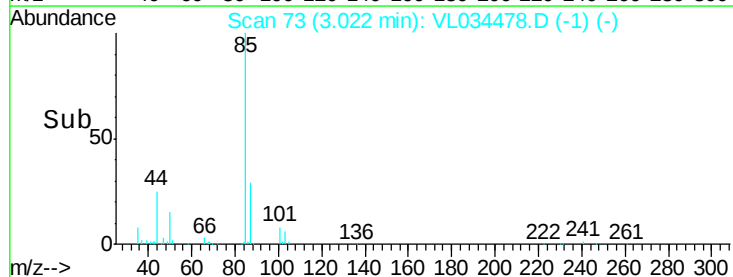
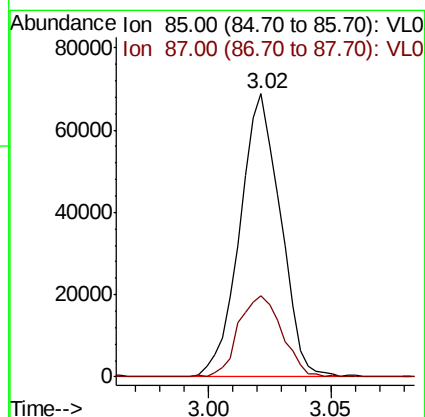
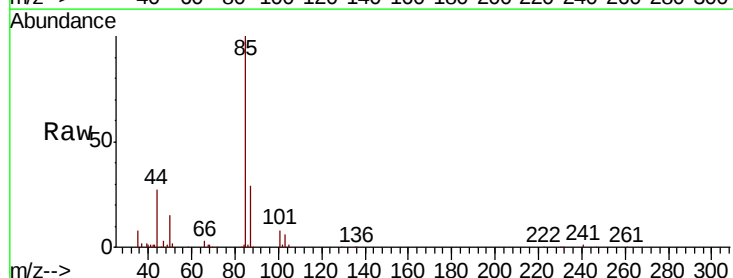
RT: 3.02 min Scan# 73

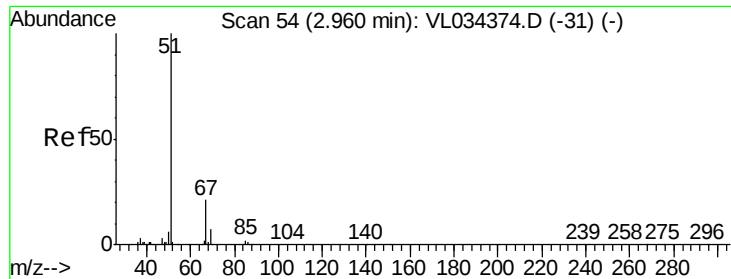
Delta R.T. 0.00 min

Lab File: VL034478.D

Acq: 10 Dec 2019 00:07

Tgt Ion:	85	Resp:	79430
Ion Ratio	Lower	Upper	
85	100		
87	28.8	28.5	42.7





#3

Chlorodifluoromethane

Concen: 0.267 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL034478.D

Acq: 10 Dec 2019 00:07

Instrument :

MSVOA_L

ClientSampled :

A-2

Tot Ion: 51 Resp: 27487

Ion Ratio Lower Upper

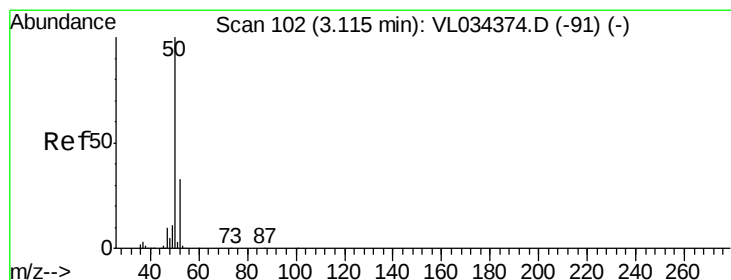
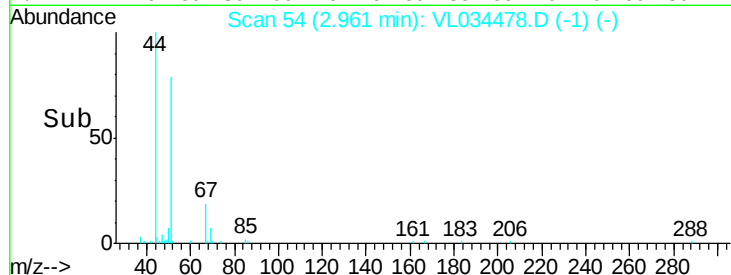
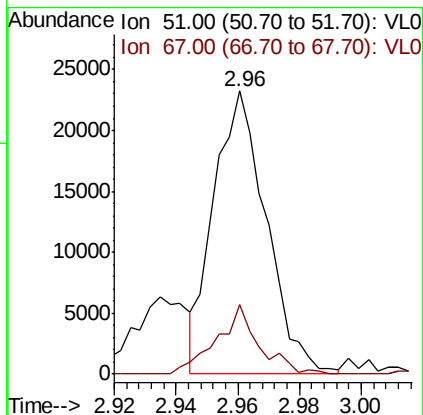
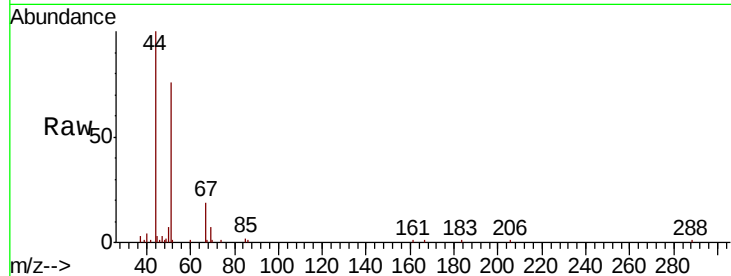
51 100

67 19.7 16.2 24.2

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#4

Chloromethane

Concen: 0.415 ppbv

RT: 3.11 min Scan# 102

Delta R.T. 0.00 min

Lab File: VL034478.D

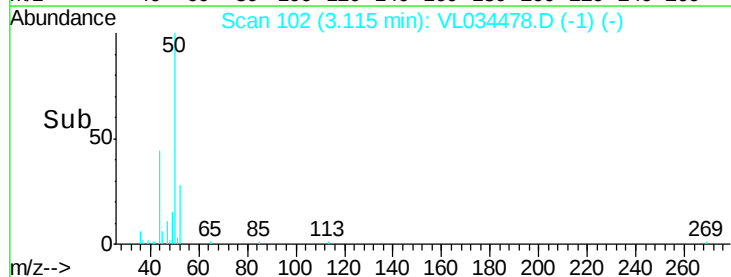
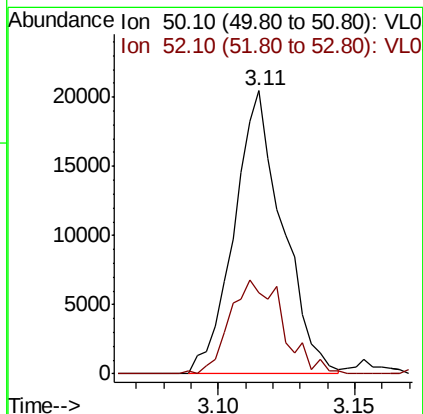
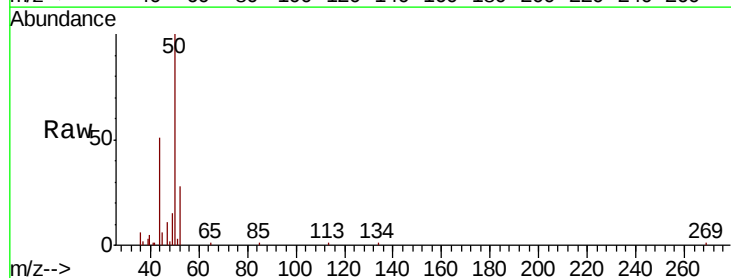
Acq: 10 Dec 2019 00:07

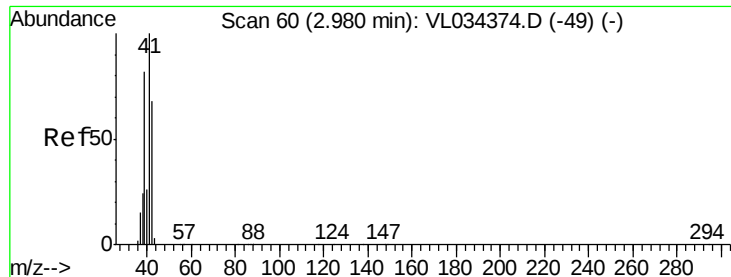
Tgt Ion: 50 Resp: 25233

Ion Ratio Lower Upper

50 100

52 27.9 26.8 40.2





#9

Propene

Concen: 0.679 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034478.D

Acq: 10 Dec 2019 00:07

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 31071

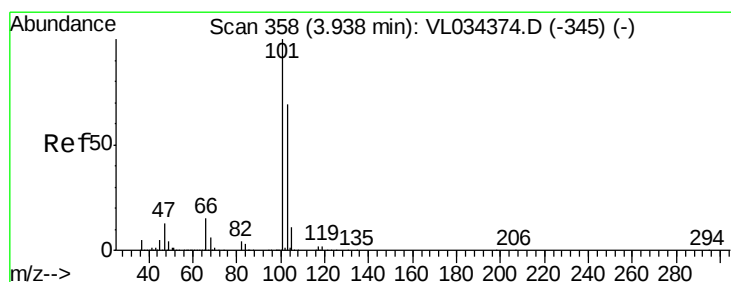
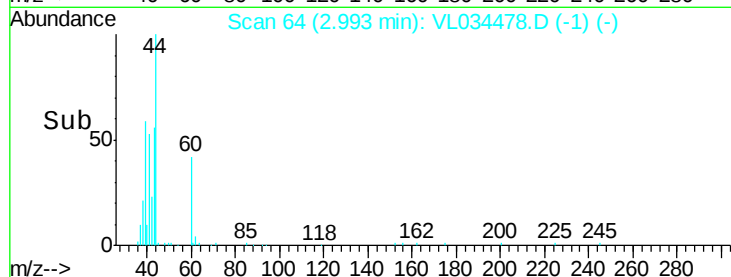
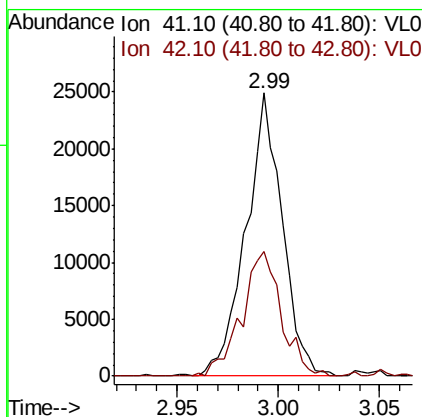
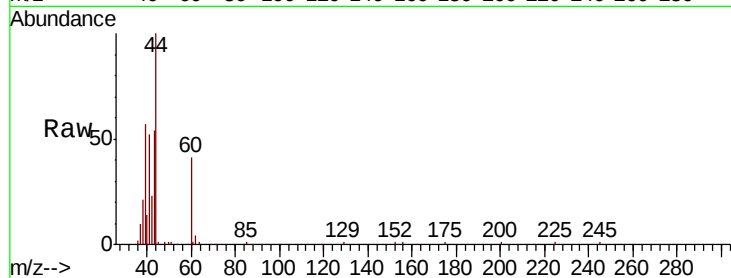
Ion Ratio Lower Upper

41 100

42 3.3 54.6 82.0#

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#11

Trichlorofluoromethane

Concen: 0.233 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL034478.D

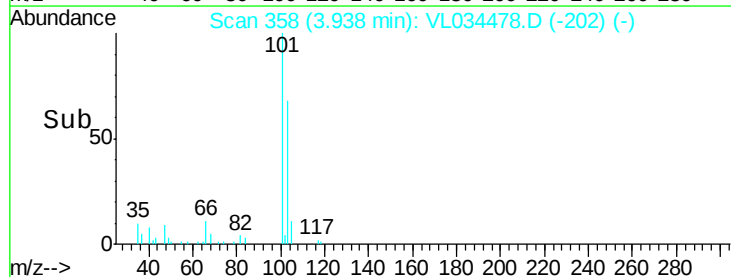
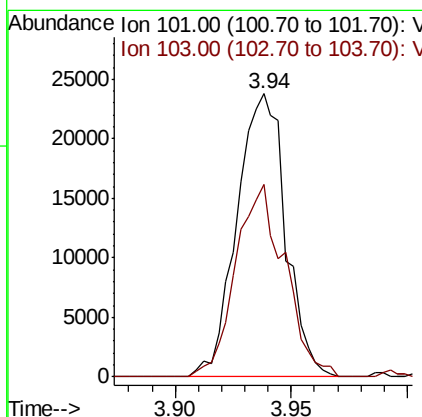
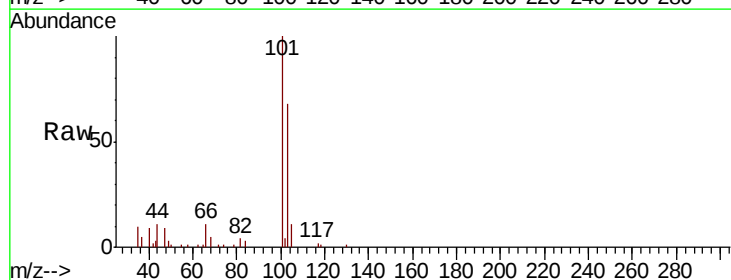
Acq: 10 Dec 2019 00:07

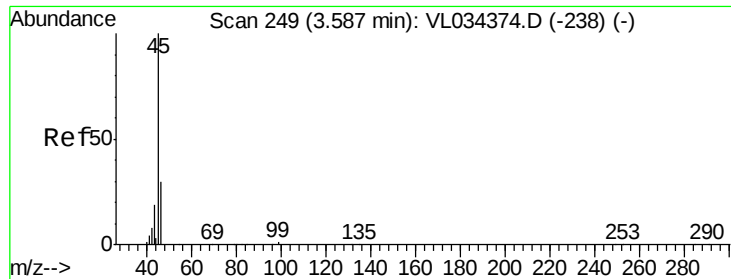
Tgt Ion: 101 Resp: 34716

Ion Ratio Lower Upper

101 100

103 68.1 55.4 83.0





#13

Ethanol

Concen: 1.914 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. 0.02 min

Lab File: VL034478.D

Acq: 10 Dec 2019 00:07

Instrument :

MSVOA_L

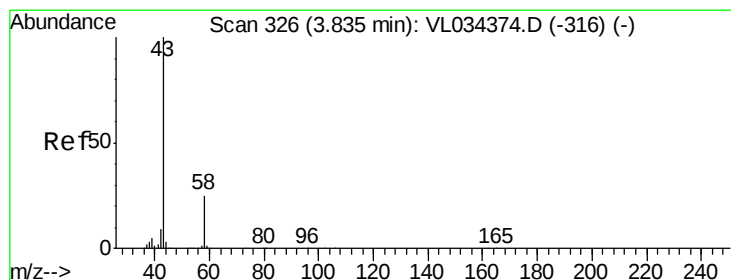
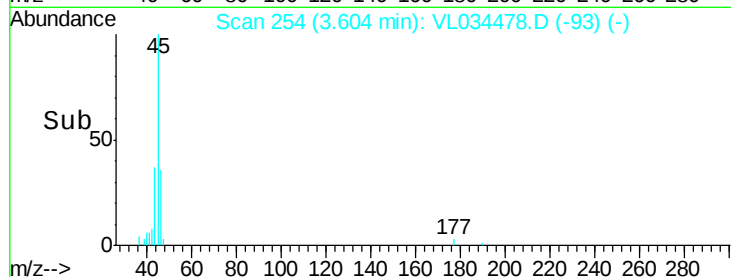
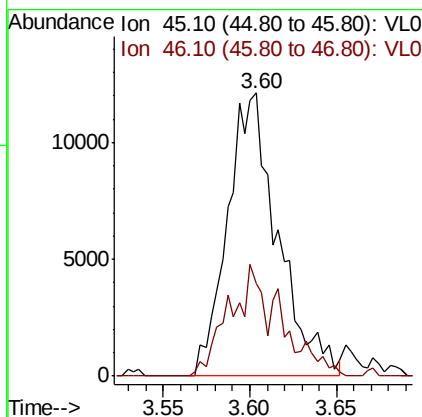
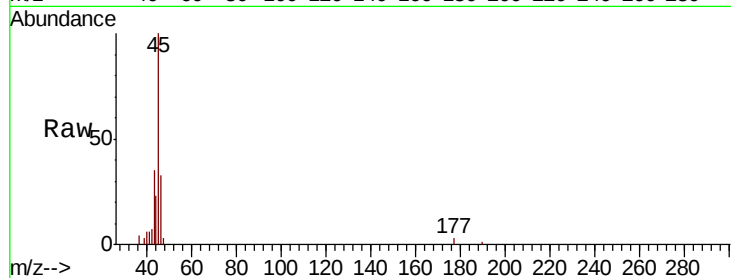
ClientSampled :

A-2

Tot Ion	45	Resp	24404
Ion Ratio	100	Lower	Upper
45	100		
46	0.0	13.8	55.4#

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#15

Acetone

Concen: 1.636 ppbv

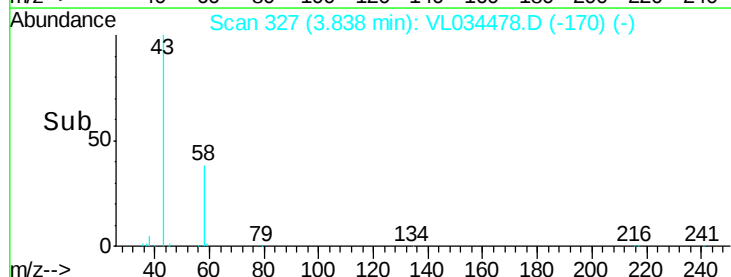
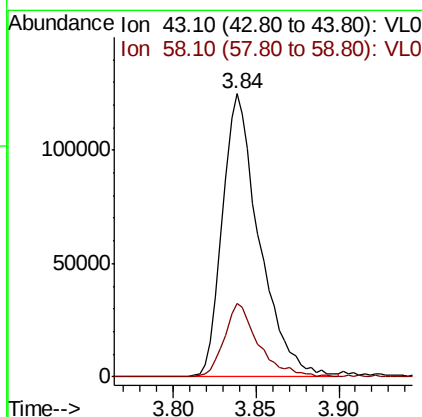
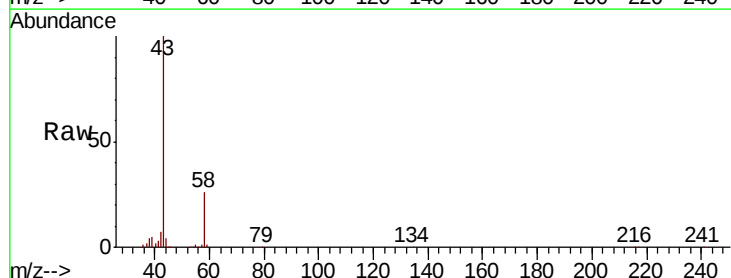
RT: 3.84 min Scan# 327

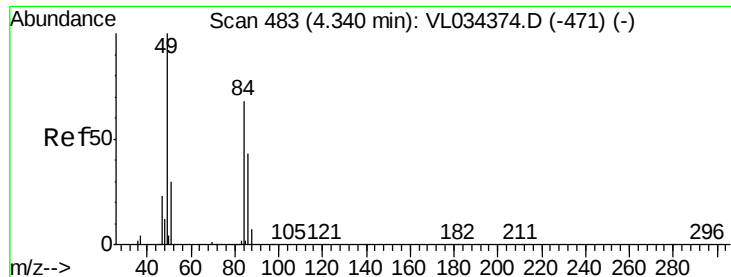
Delta R.T. 0.00 min

Lab File: VL034478.D

Acq: 10 Dec 2019 00:07

Tgt Ion	43	Resp	193551
Ion Ratio	100	Lower	Upper
43	100		
58	24.1	20.2	30.4





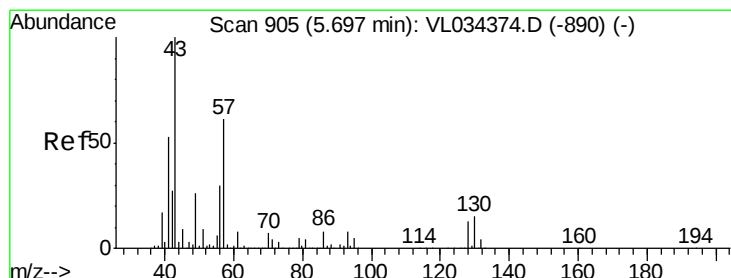
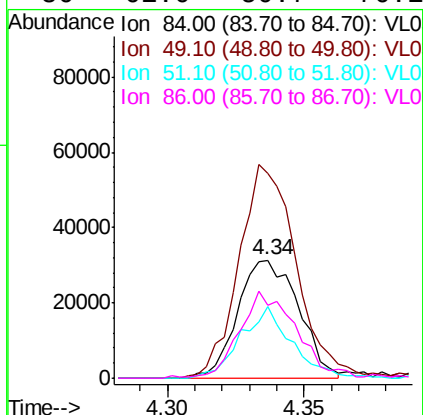
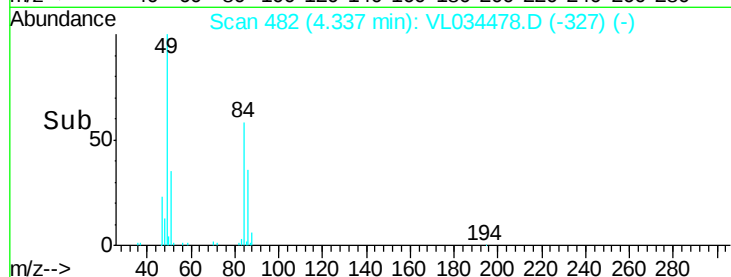
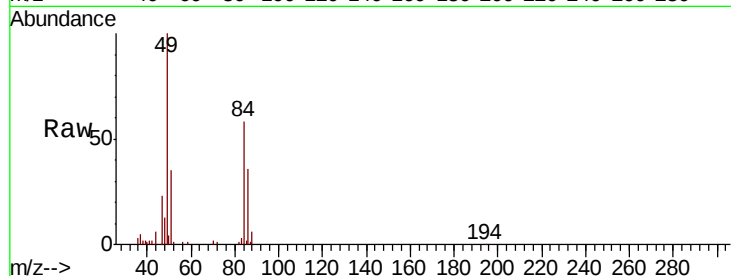
#20
Methvlene Chloride
Concen: 1.155 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034478.D
Acq: 10 Dec 2019 00:07

Instrument :
MSVOA_L
ClientSampled :
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Tot Ion:	84	Resp:	48456
Ion	Ratio	Lower	Upper
84	100		
49	171.9	116.8	175.2
51	60.3	35.6	53.4#
86	61.0	50.7	76.1

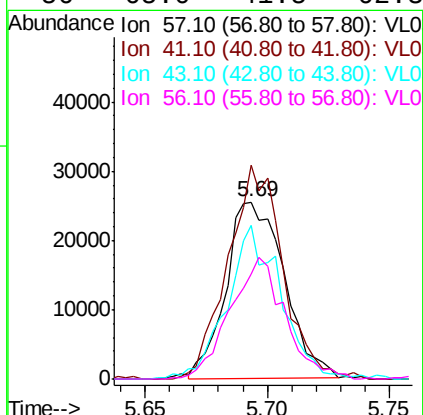
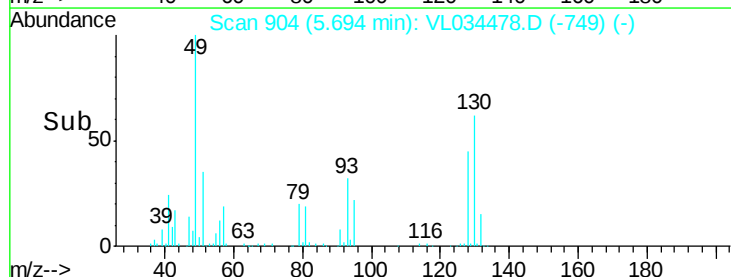
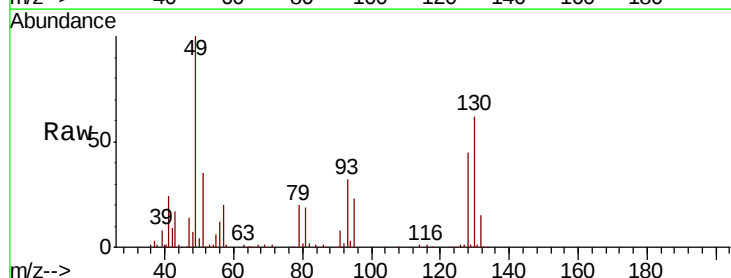
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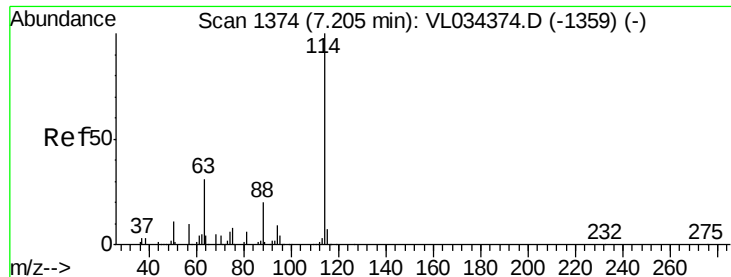
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#26
Hexane
Concen: 0.466 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034478.D
Acq: 10 Dec 2019 00:07

Tgt Ion:	57	Resp:	42264
Ion	Ratio	Lower	Upper
57	100		
41	114.3	75.0	112.4#
43	80.7	186.6	279.8#
56	65.0	41.5	62.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.01 min

Lab File: VL034478.D

Acq: 10 Dec 2019 00:07

Instrument :

MSVOA_L

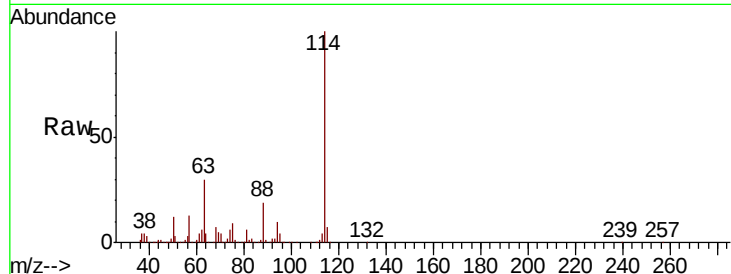
ClientSampleId :

A-2

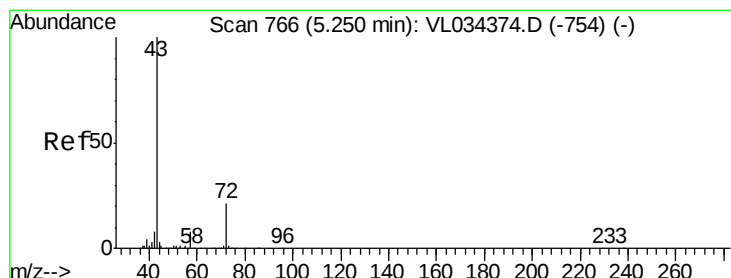
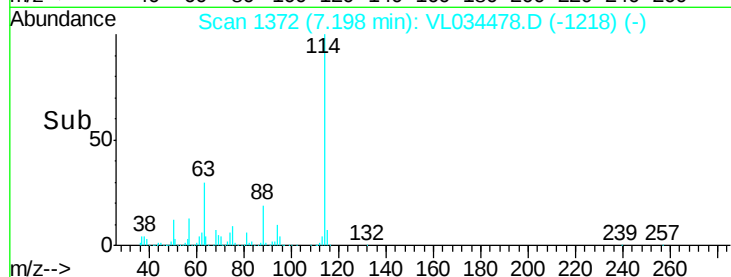
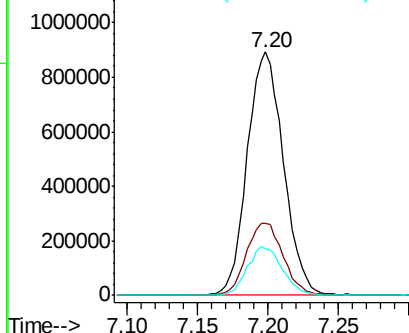
Tot Ion:	114	Resp:	1605101
Ion	Ratio	Lower	Upper
114	100		
63	30.4	24.2	36.4
88	19.6	15.9	23.9

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Abundance Ion 114.10 (113.80 to 114.80): VL0
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.107 ppbv m

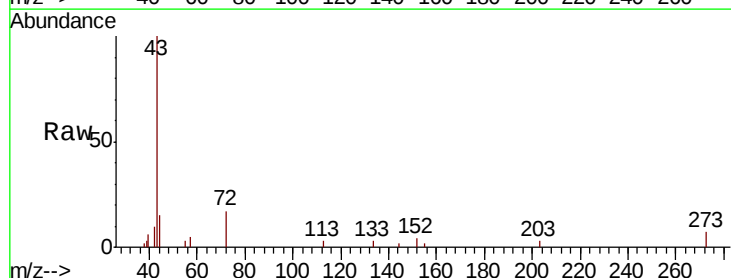
RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

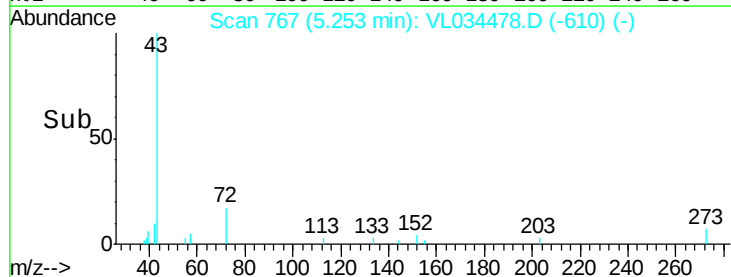
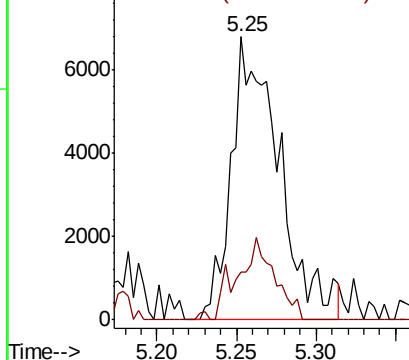
Lab File: VL034478.D

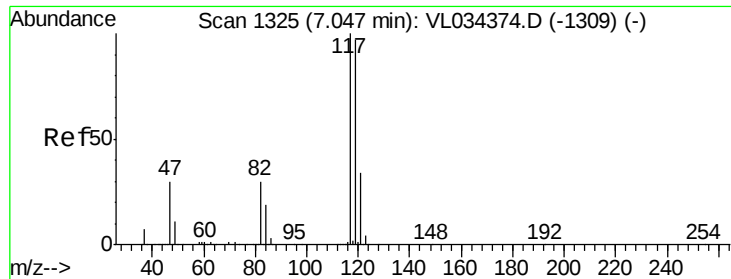
Acq: 10 Dec 2019 00:07

Tgt Ion:	43	Resp:	14111
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.0	25.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





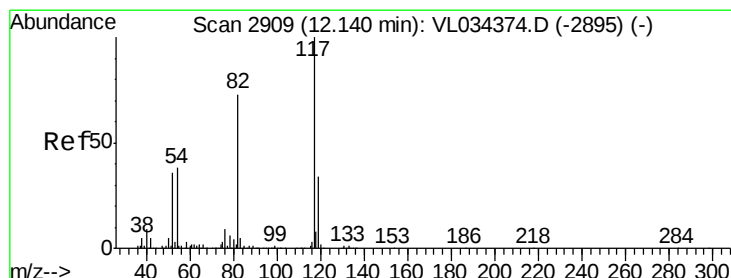
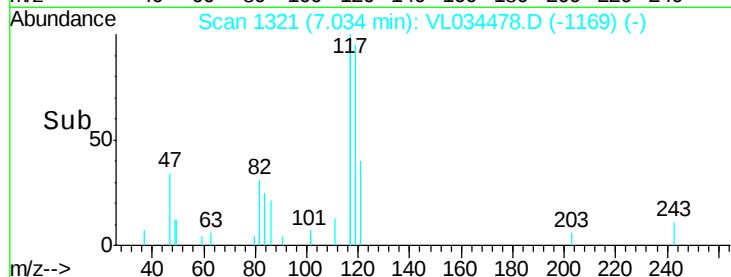
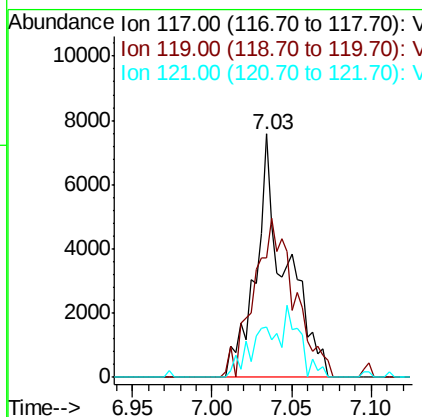
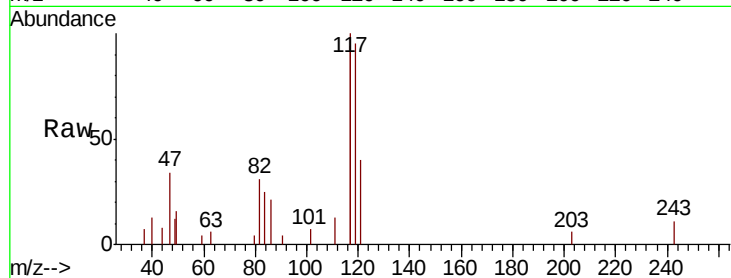
#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 7.03 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VL034478.D
Acq: 10 Dec 2019 00:07

Instrument :
MSVOA_L
ClientSampled :
A-2

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.3	115.9
121	39.7	27.4	41.2

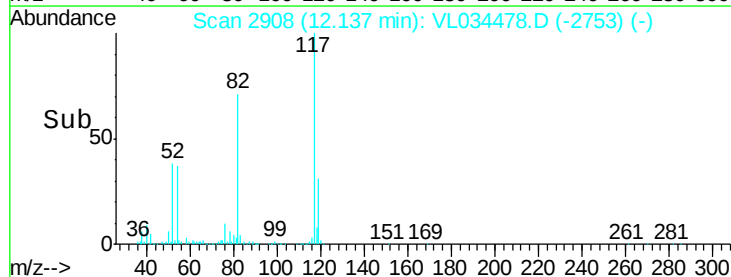
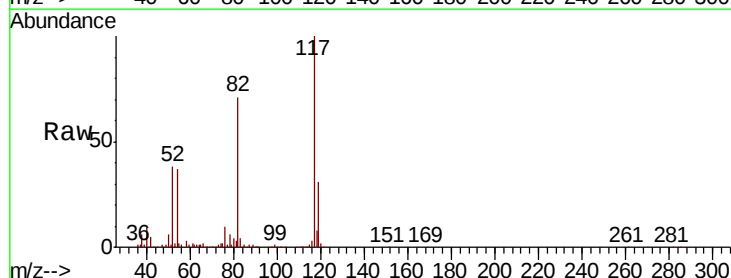
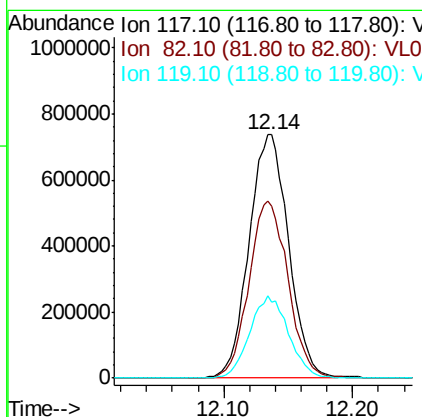
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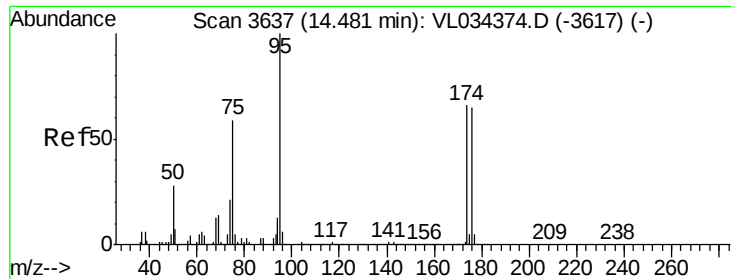
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034478.D
Acq: 10 Dec 2019 00:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.0	57.5	86.3
119	33.3	25.4	38.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.321 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. -0.01 min
 Lab File: VL034478.D
 Acq: 10 Dec 2019 00:07

Instrument :
 MSVOA_L
 ClientSampleId :
 A-2

Tot Ion: 95 Resp: 1367021
 Ion Ratio Lower Upper
 95 100
 174 63.6 52.2 78.2
 175 4.6 3.8 5.8

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