

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021820\
 Data File : VL034623.D
 Acq On : 18 Feb 2020 14:21
 Operator : SY/AP
 Sample : L1532-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OADUP

Manual Integrations
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Quant Time: Feb 19 06:28:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	855003	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1761911	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1715669	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1477471	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	99923	0.531	ppbv #	82
3) Chlorodifluoromethane	2.95	51	28326m	0.274	ppbv	
4) Chloromethane	3.10	50	28445m	0.450	ppbv	
9) Propene	2.98	41	28857m	0.717	ppbv	
11) Trichlorofluoromethane	3.93	101	44797	0.262	ppbv	96
13) Ethanol	3.58	45	48039	4.459	ppbv	91
15) Acetone	3.82	43	246280	1.960	ppbv	99
20) Methylene Chloride	4.32	84	159295	3.329	ppbv	93
26) Hexane	5.68	57	129148	1.516	ppbv #	38
34) 2-Butanone	5.24	43	19014m	0.149	ppbv	
35) Carbon Tetrachloride	7.02	117	12054m	0.072	ppbv	
36) Benzene	6.89	78	19820m	0.126	ppbv	
53) Toluene	9.82	91	192380m	1.118	ppbv	

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

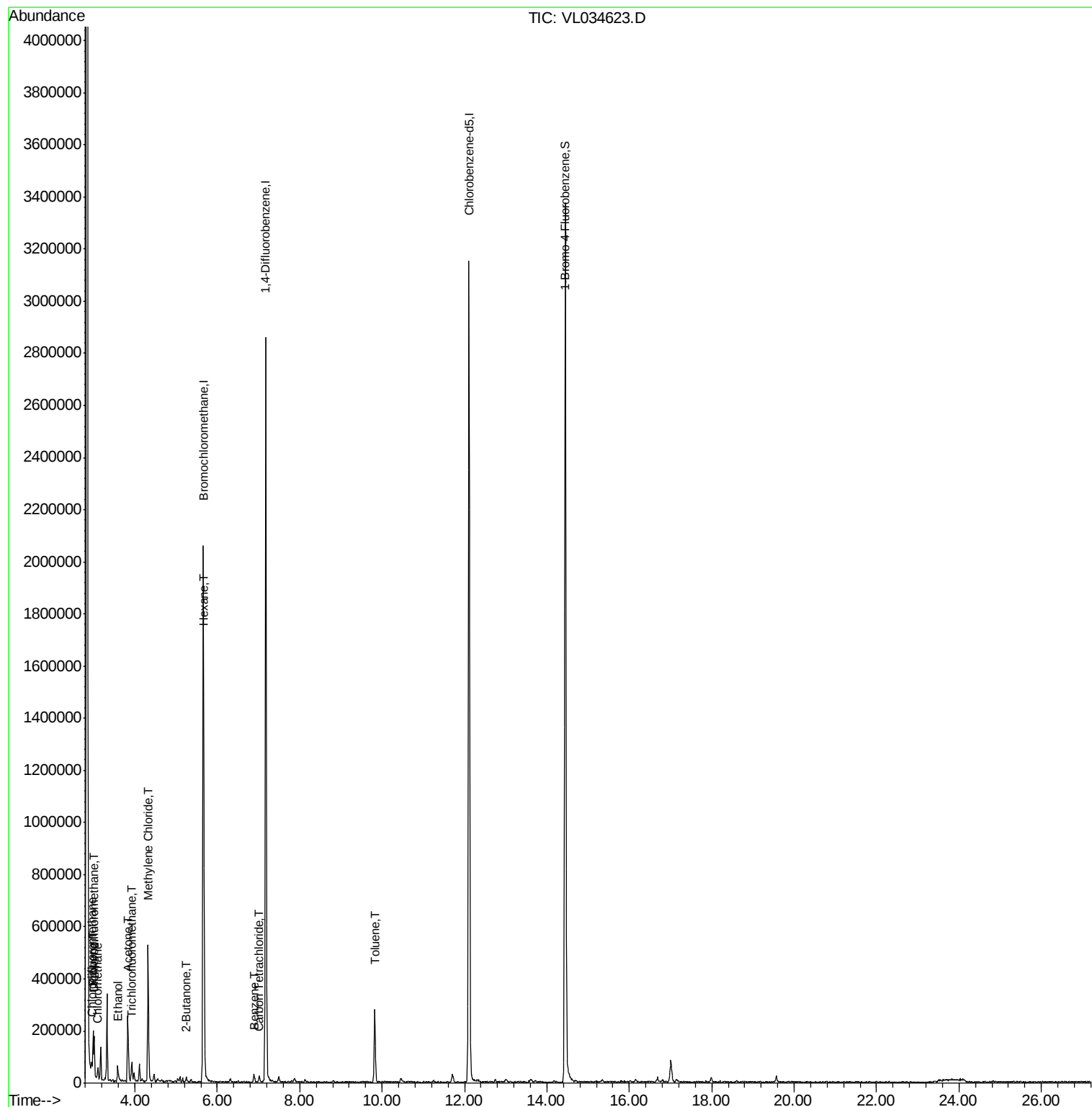
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021820\
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Misc : 400ml/MSVOA L
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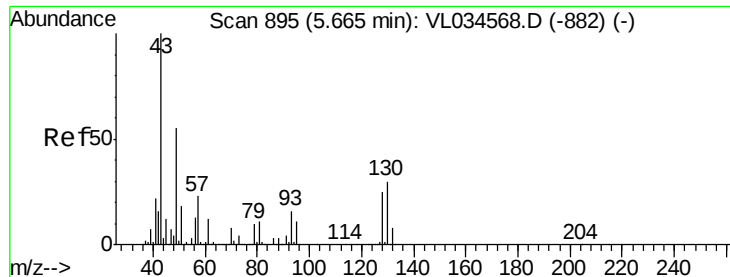
Instrument :
MSVOA_L
ClientSampleId :
QADUP

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Quant Time: Feb 19 06:28:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL034623.D

Acq: 18 Feb 2020 14:21

Instrument :

MSVOA_L

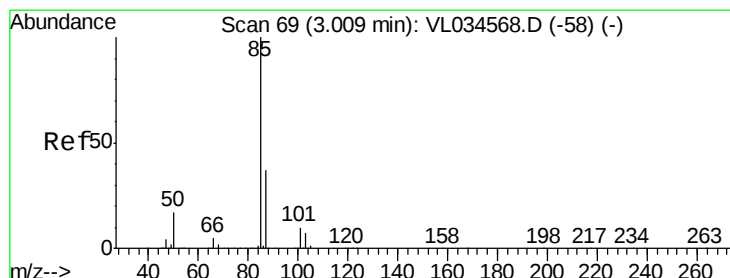
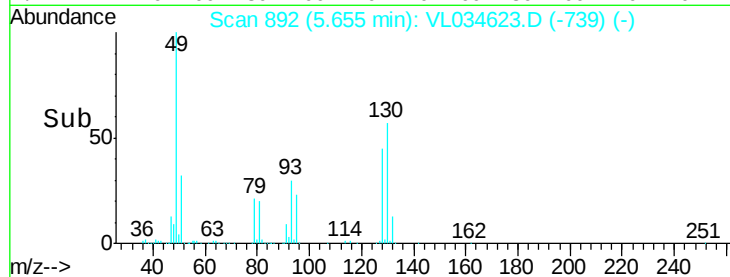
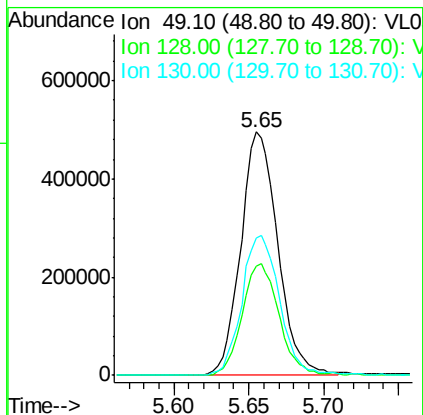
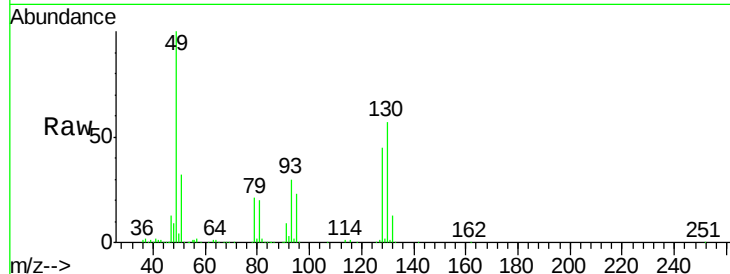
ClientSampled :

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Tot Ion:	49	Resp:	855003
Ion	Ratio	Lower	Upper
49	100		
128	46.3	22.7	68.1
130	59.4	28.6	85.8

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#2

Dichlorodifluoromethane

Concen: 0.531 ppbv

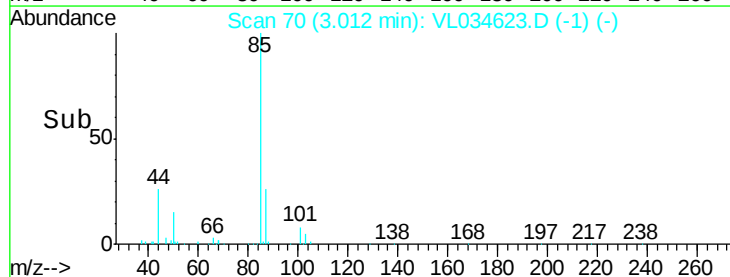
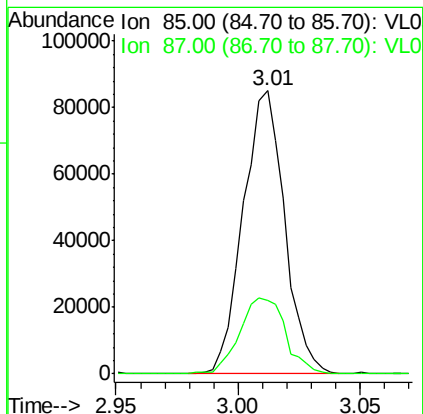
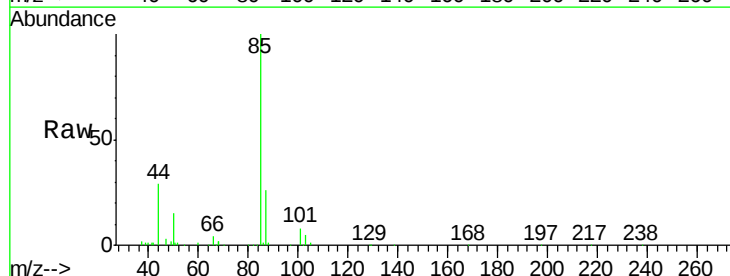
RT: 3.01 min Scan# 70

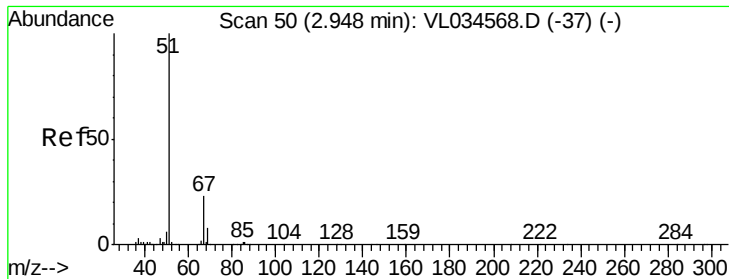
Delta R.T. 0.00 min

Lab File: VL034623.D

Acq: 18 Feb 2020 14:21

Tgt Ion:	85	Resp:	99923
Ion	Ratio	Lower	Upper
85	100		
87	26.1	29.5	44.3#





#3

Chlorodifluoromethane

Concen: 0.274 ppbv m

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034623.D

Acq: 18 Feb 2020 14:21

Instrument :

MSVOA_L

ClientSampleId :

QADUP

Tot Ion: 51 Resp: 28326

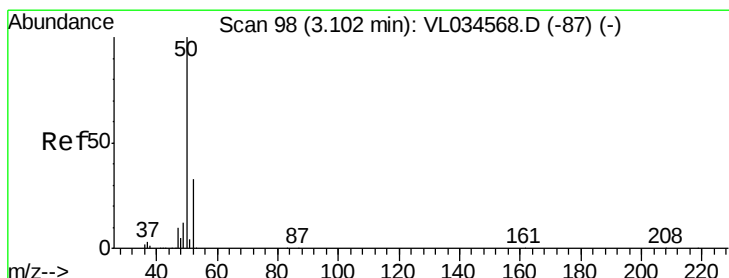
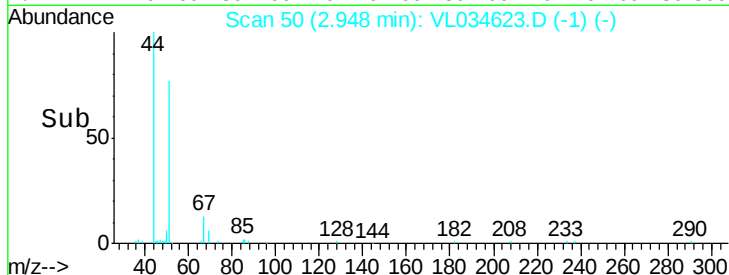
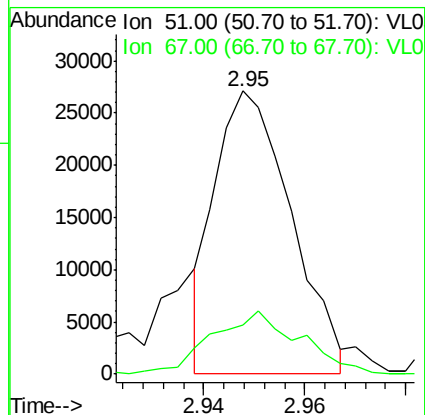
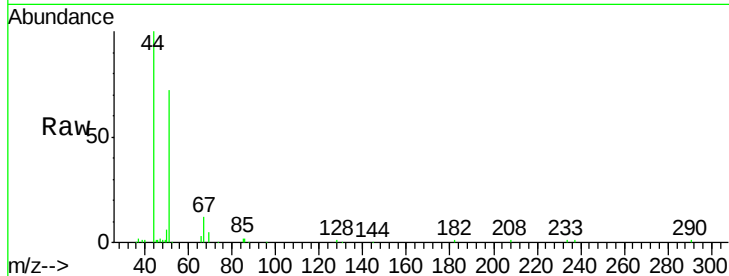
Ion Ratio Lower Upper

51 100

67 26.1 17.8 26.8

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#4

Chloromethane

Concen: 0.450 ppbv m

RT: 3.10 min Scan# 98

Delta R.T. 0.00 min

Lab File: VL034623.D

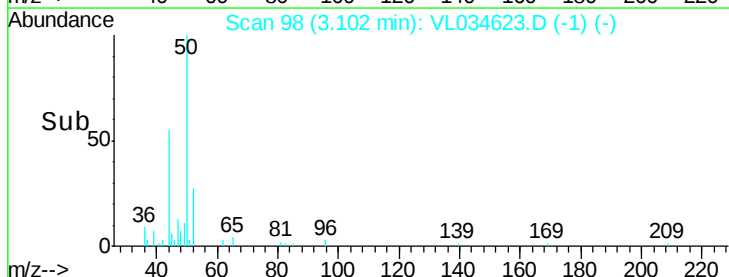
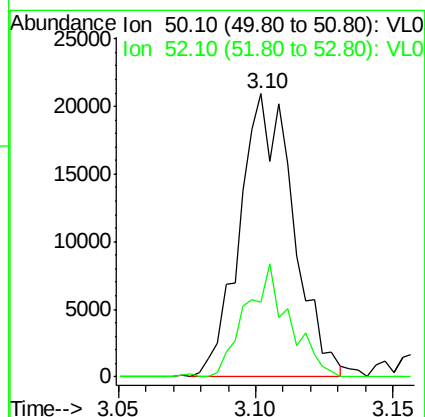
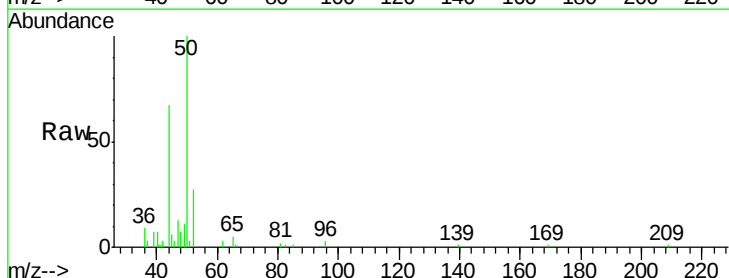
Acq: 18 Feb 2020 14:21

Tgt Ion: 50 Resp: 28445

Ion Ratio Lower Upper

50 100

52 26.6 26.6 39.8





#9

Propene

Concen: 0.717 ppbv m

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL034623.D

Acq: 18 Feb 2020 14:21

Instrument :

MSVOA_L

ClientSampleId :

OADUP

Tot Ion: 41 Resp: 28857

Ion Ratio Lower Upper

41 100

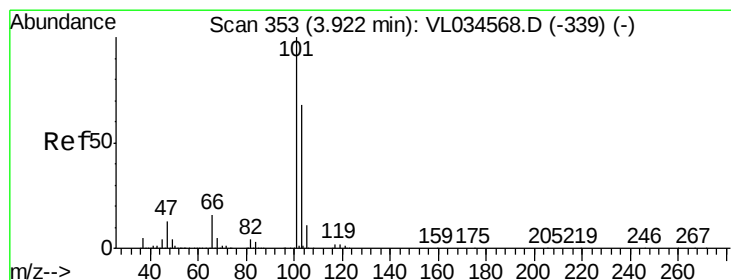
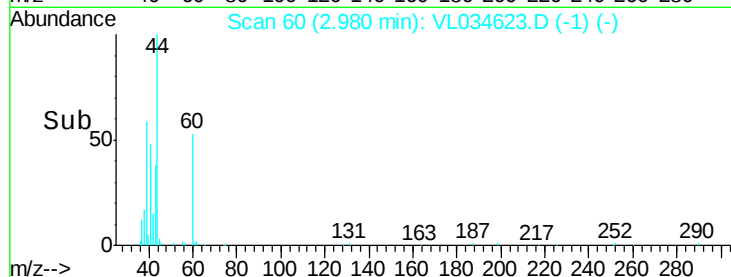
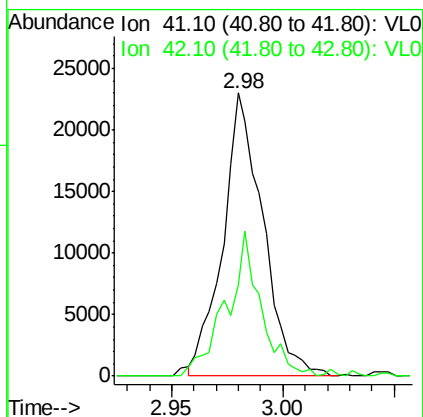
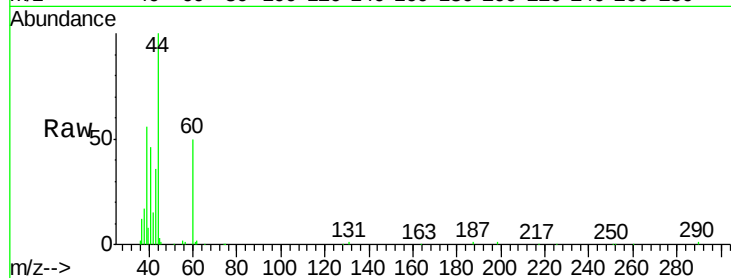
42 68.0 57.0 85.4

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#11

Trichlorofluoromethane

Concen: 0.262 ppbv

RT: 3.93 min Scan# 354

Delta R.T. 0.00 min

Lab File: VL034623.D

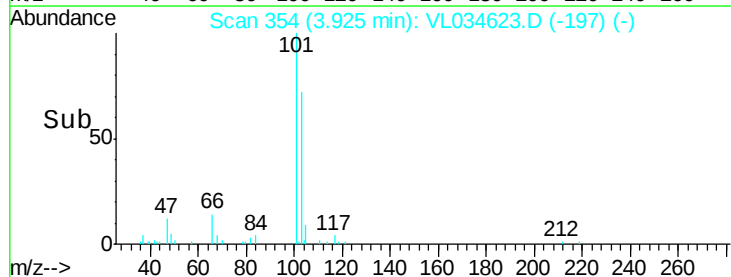
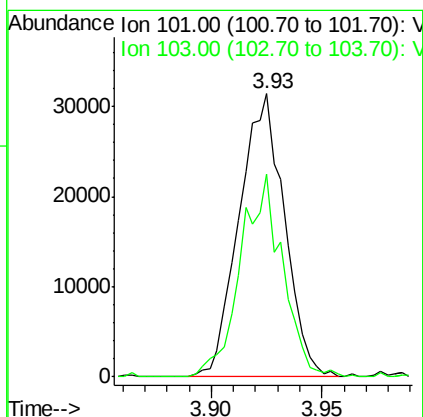
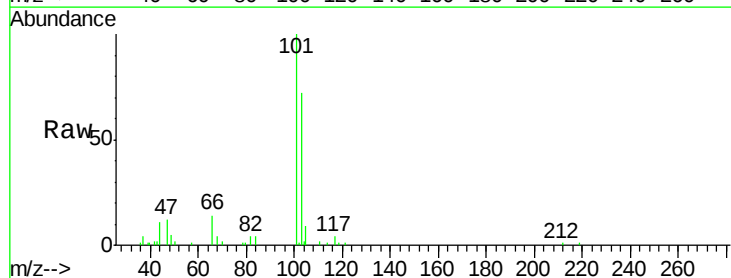
Acq: 18 Feb 2020 14:21

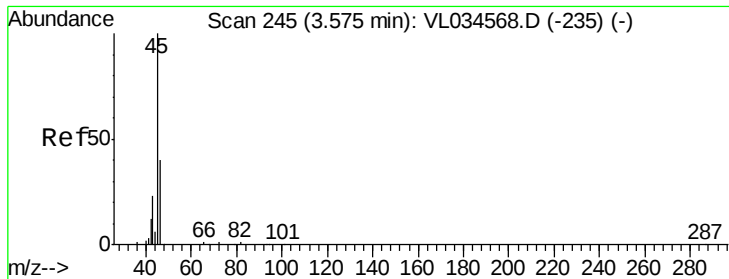
Tgt Ion: 101 Resp: 44797

Ion Ratio Lower Upper

101 100

103 71.5 54.4 81.6





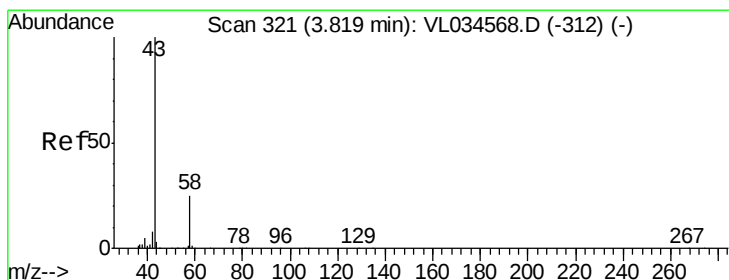
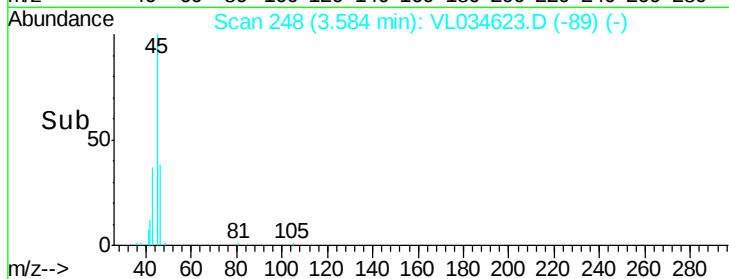
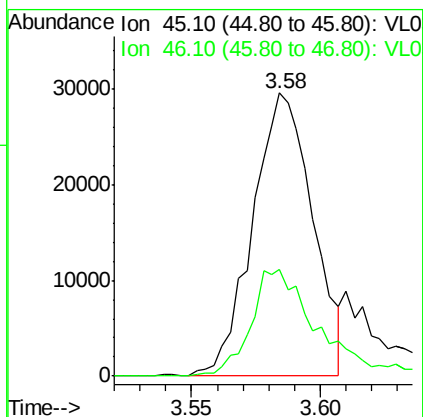
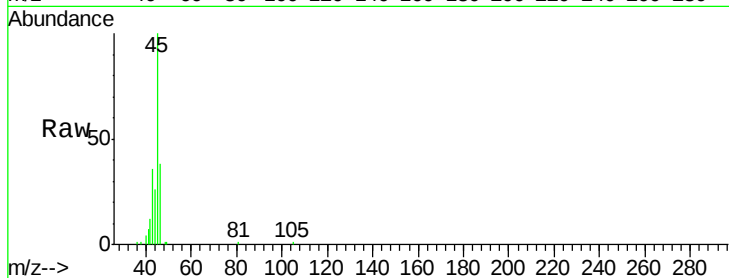
#13
Ethanol
Concen: 4.459 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.01 min
Lab File: VL034623.D
Acq: 18 Feb 2020 14:21

Instrument :
MSVOA_L
ClientSampleId :
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Tot Ion	45	Resp	48039
Ion Ratio	100	Lower	Upper
46	42.3	14.8	59.2

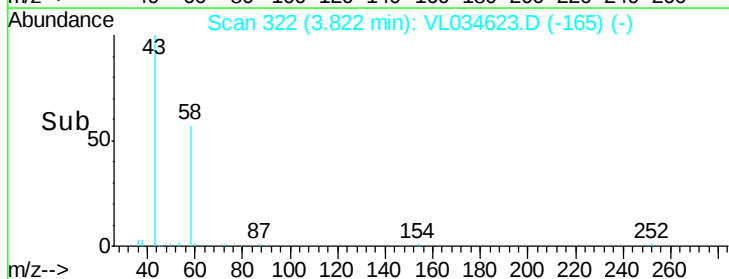
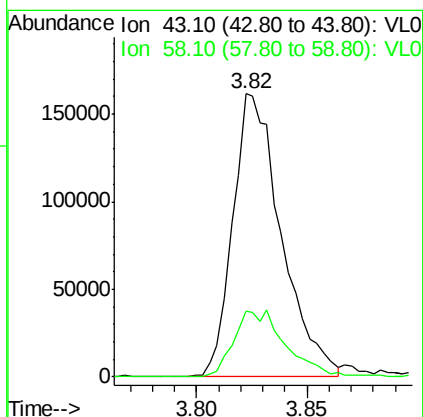
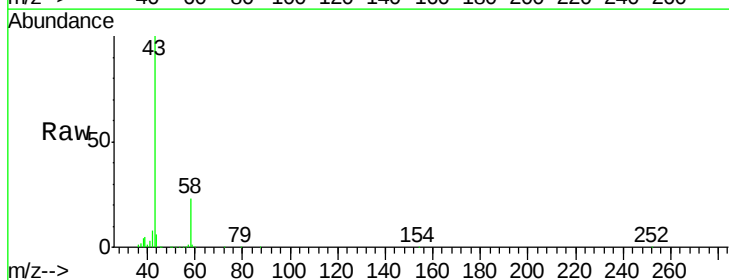
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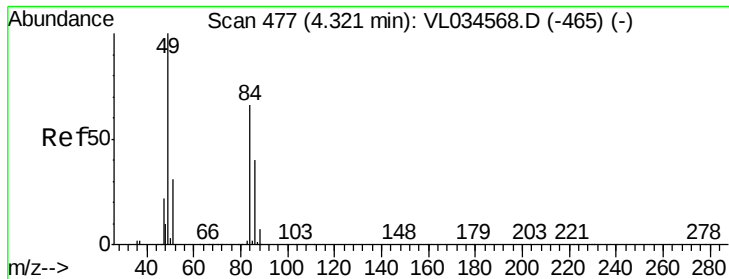
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#15
Acetone
Concen: 1.960 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.00 min
Lab File: VL034623.D
Acq: 18 Feb 2020 14:21

Tgt Ion	43	Resp	246280
Ion Ratio	100	Lower	Upper
58	25.8	20.3	30.5





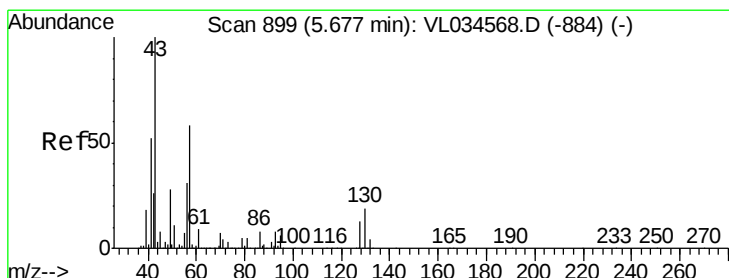
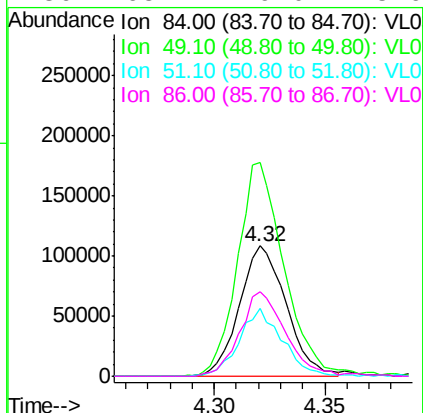
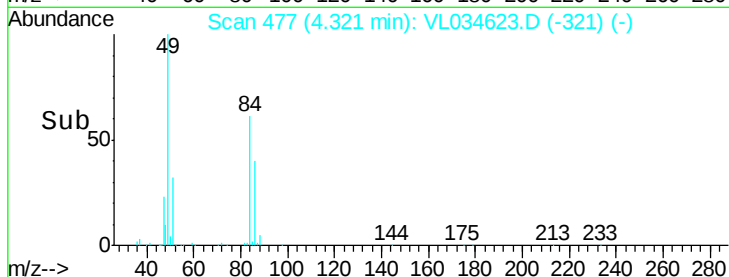
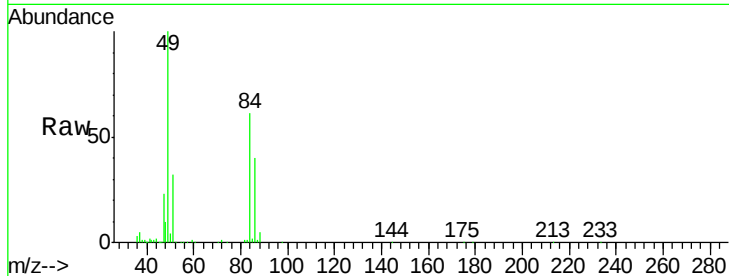
#20
Methvlene Chloride
Concen: 3.329 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.00 min
Lab File: VL034623.D
Acq: 18 Feb 2020 14:21

Instrument :
MSVOA_L
ClientSampled :
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Tot Ion:	84	Resp:	159295
Ion Ratio	Lower	Upper	
84	100		
49	163.2	122.4	183.6
51	52.3	38.6	57.8
86	65.1	49.0	73.6

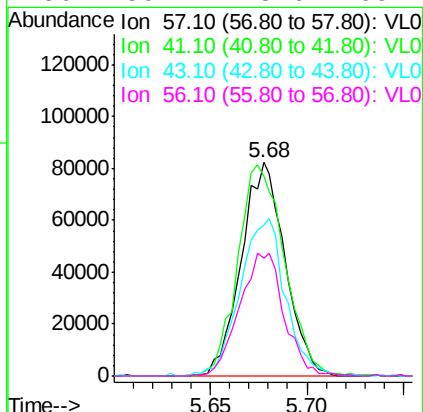
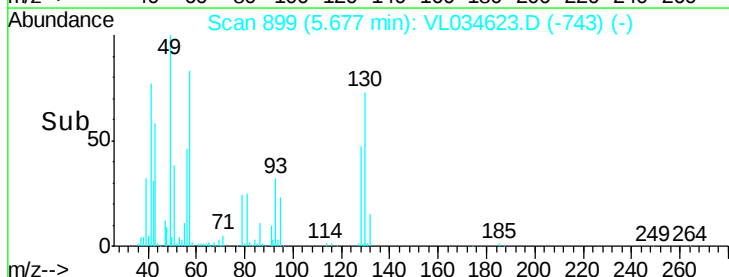
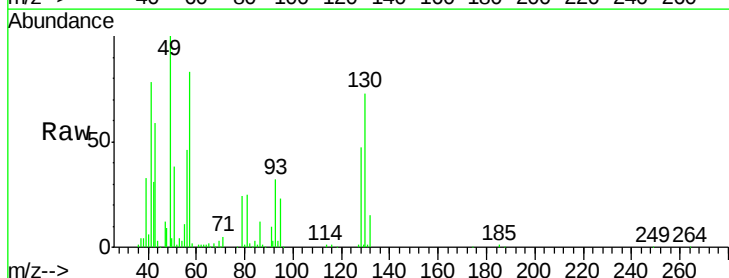
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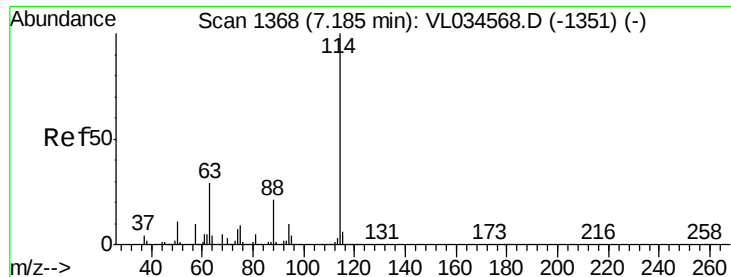
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#26
Hexane
Concen: 1.516 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL034623.D
Acq: 18 Feb 2020 14:21

Tgt Ion:	57	Resp:	129148
Ion Ratio	Lower	Upper	
57	100		
41	106.3	76.2	114.2
43	76.9	189.9	284.9#
56	59.1	43.6	65.4





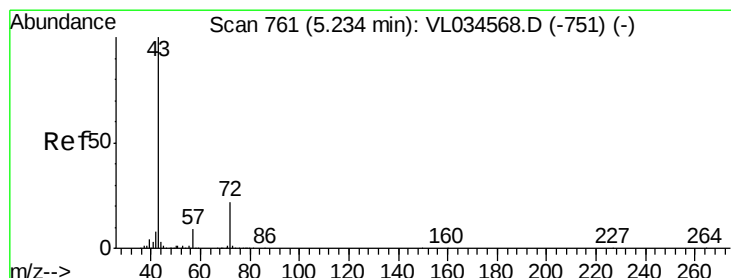
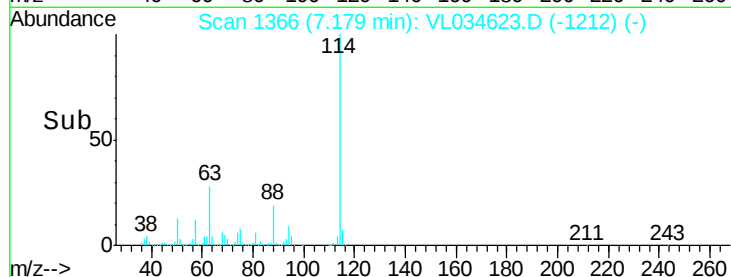
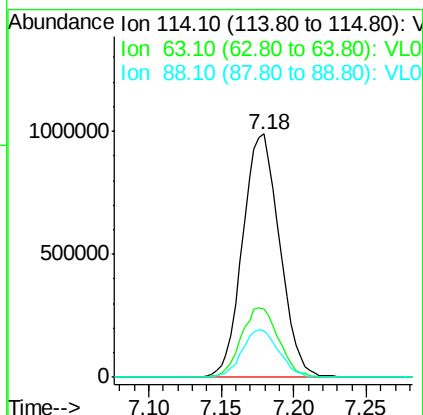
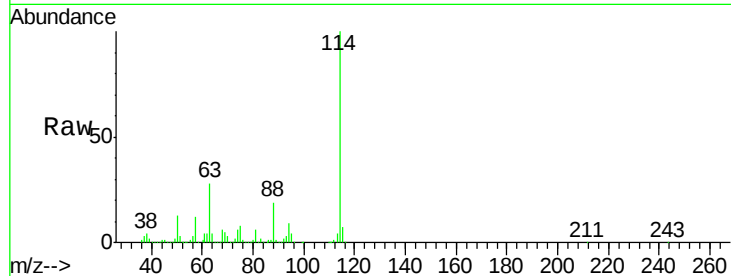
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL034623.D
 Acq: 18 Feb 2020 14:21

Instrument :
 MSVOA_L
 ClientSampleId :
 QADUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.2	24.1	36.1
88	19.4	15.9	23.9

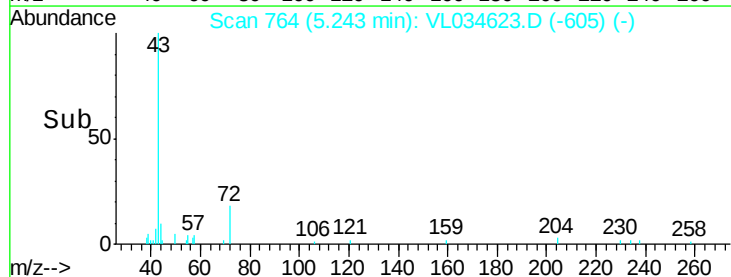
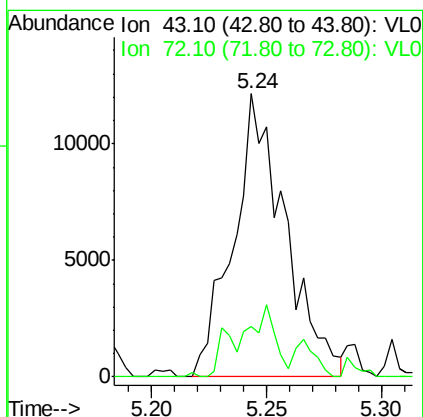
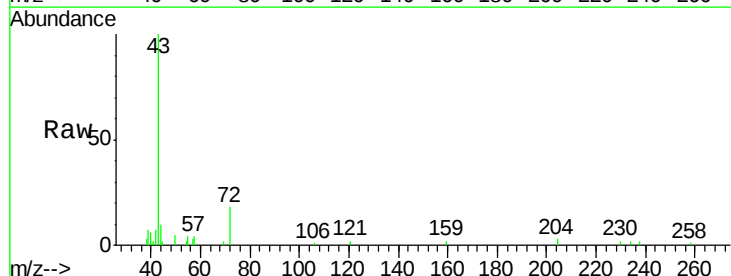
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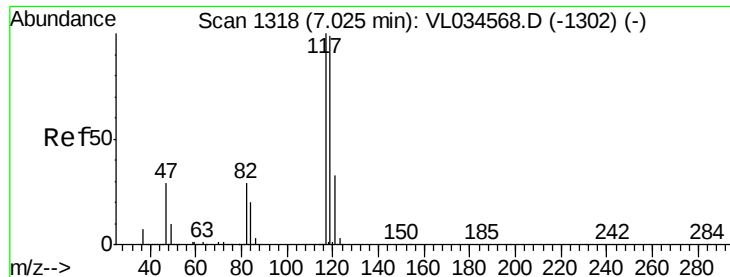
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#34
 2-Butanone
 Concen: 0.149 ppbv m
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL034623.D
 Acq: 18 Feb 2020 14:21

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.2	25.8#





#35

Carbon Tetrachloride

Concen: 0.072 ppbv m

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL034623.D

Acq: 18 Feb 2020 14:21

Instrument :

MSVOA_L

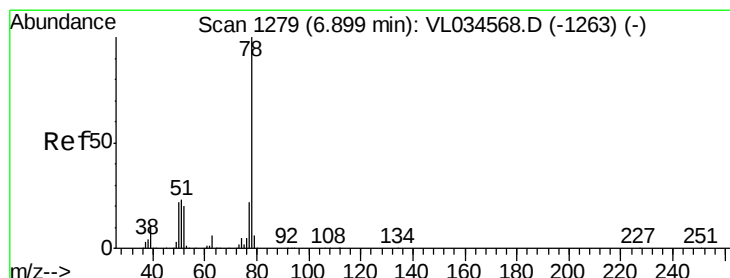
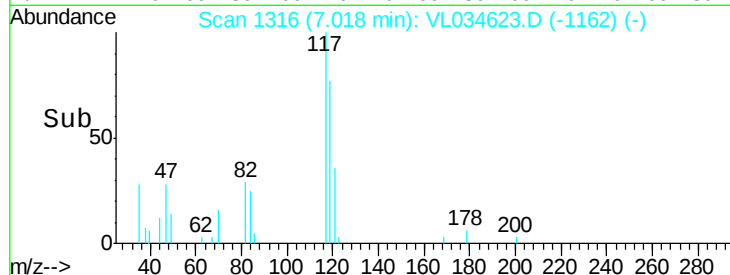
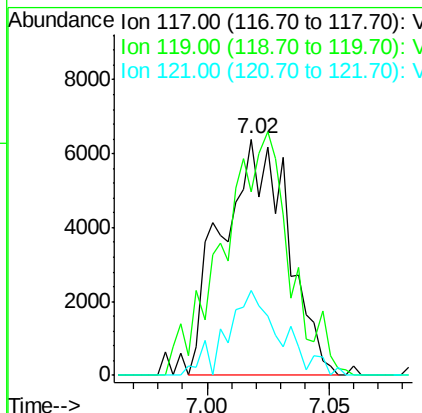
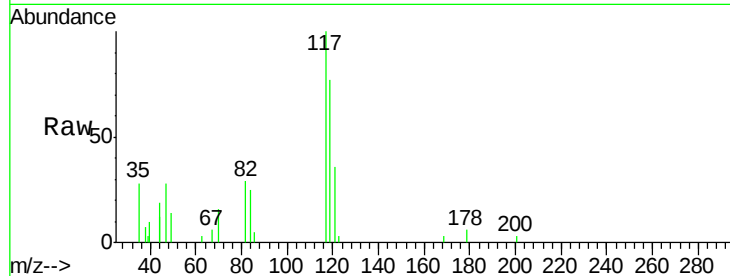
ClientSampled :

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Tot Ion	Ratio	Lower	Upper
117	100		
119	77.3	79.5	119.3#
121	36.1	26.2	39.2

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#36

Benzene

Concen: 0.126 ppbv m

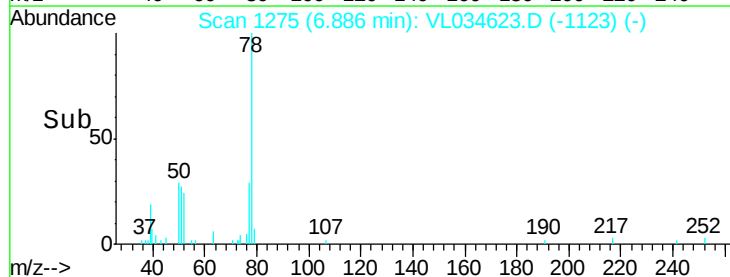
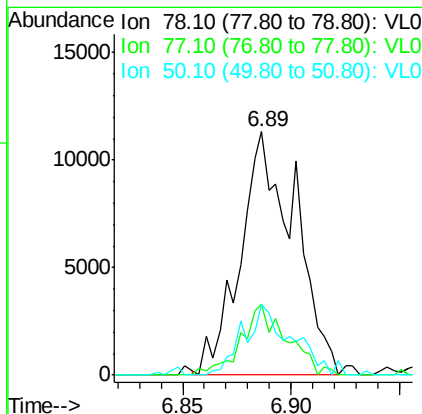
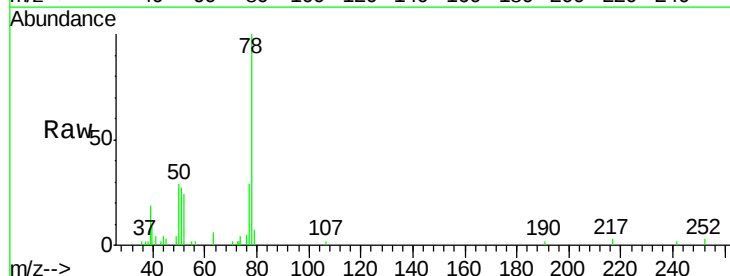
RT: 6.89 min Scan# 1275

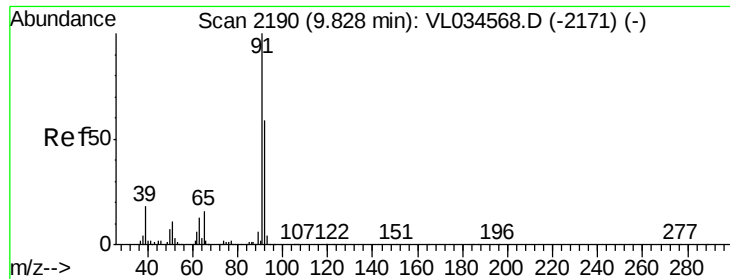
Delta R.T. -0.01 min

Lab File: VL034623.D

Acq: 18 Feb 2020 14:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.8	17.3	25.9#
50	29.3	17.4	26.2#





#53

Toluene

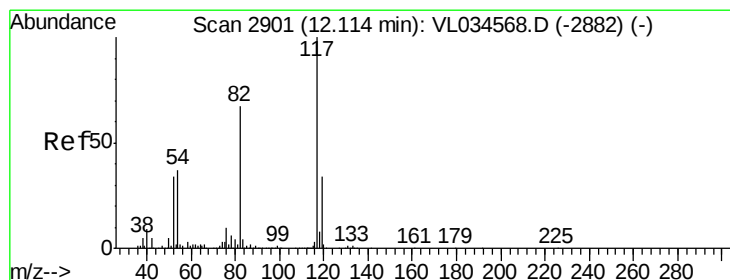
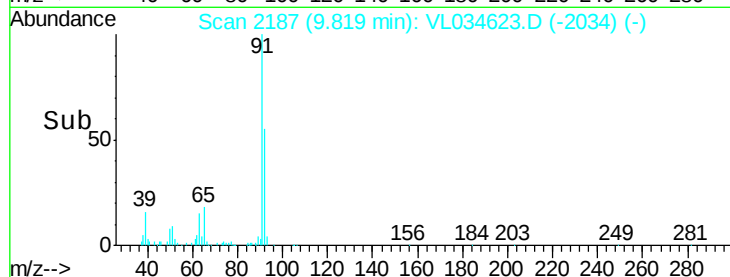
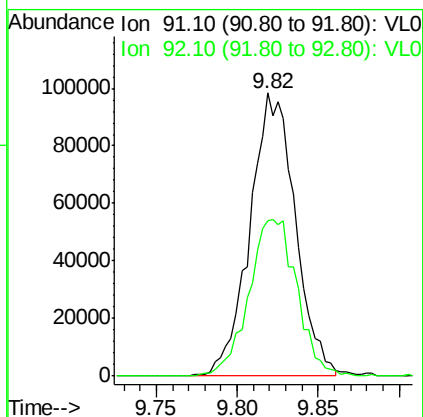
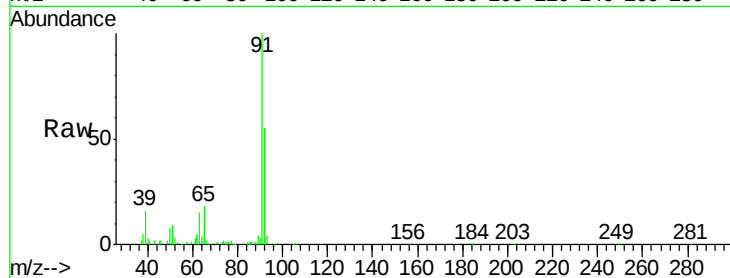
Concen: 1.118 ppbv m
 RT: 9.82 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VL034623.D
 Acq: 18 Feb 2020 14:21

Instrument :
 MSVOA_L
 ClientSampleId :
 QADUP

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.2#

Manual Integrations
 APPROVED

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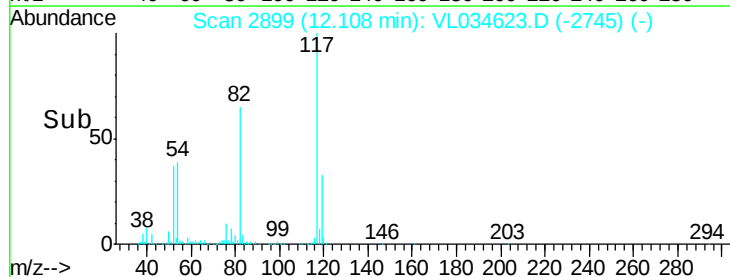
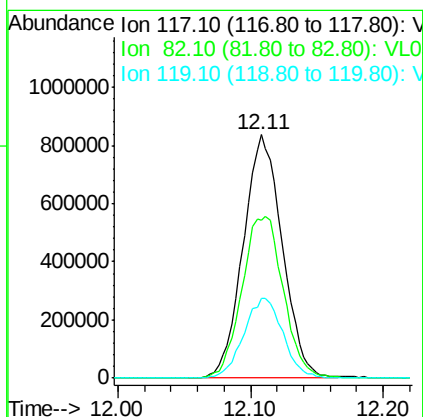
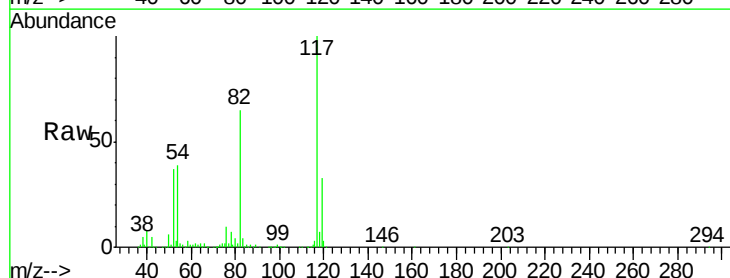


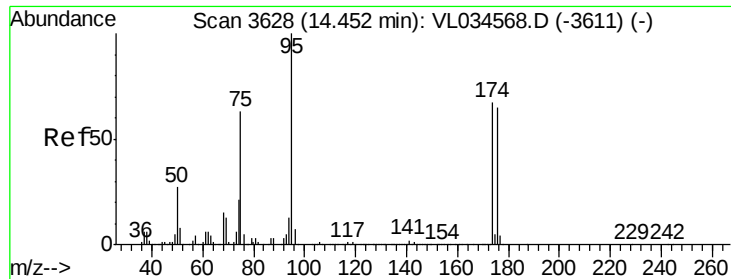
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T. -0.01 min
 Lab File: VL034623.D
 Acq: 18 Feb 2020 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.8	54.2	81.4
119	33.1	26.1	39.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.190 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.01 min
 Lab File: VL034623.D
 Acq: 18 Feb 2020 14:21

Instrument :
 MSVOA_L
 ClientSampleId :
 QADUP

Tot Ion: 95 Resp: 1477471
 Ion Ratio Lower Upper
 95 100
 174 63.2 52.3 78.5
 175 4.7 3.8 5.6

Manual Integrations
 APPROVED

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