

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032719\
 Data File : VL033492.D
 Acq On : 28 Mar 2019 6:53
 Operator : SY/AP
 Sample : K1991-09DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VMP-5DL

Manual Integrations
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 4/1/2019 1:26:10 AM

Quant Time: Mar 28 09:25:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 28 09:25:05 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	758694	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2078712	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2100119	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1609945	9.78	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	28590m	0.779	ppbv	
11) Trichlorofluoromethane	4.00	101	17232	0.126	ppbv	93
13) Ethanol	3.66	45	10977m	1.156	ppbv	
15) Acetone	3.91	43	36313m	0.398	ppbv	
24) 1,1-Dichloroethane	5.08	63	118181	1.198	ppbv	97
32) 1,1,1-Trichloroethane	6.61	97	341950	2.784	ppbv	99
38) Trichloroethene	7.95	130	277339	4.225	ppbv	96
52) Tetrachloroethene	11.37	164	17002m	0.258	ppbv	
53) Toluene	9.94	91	20978	0.104	ppbv	95

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

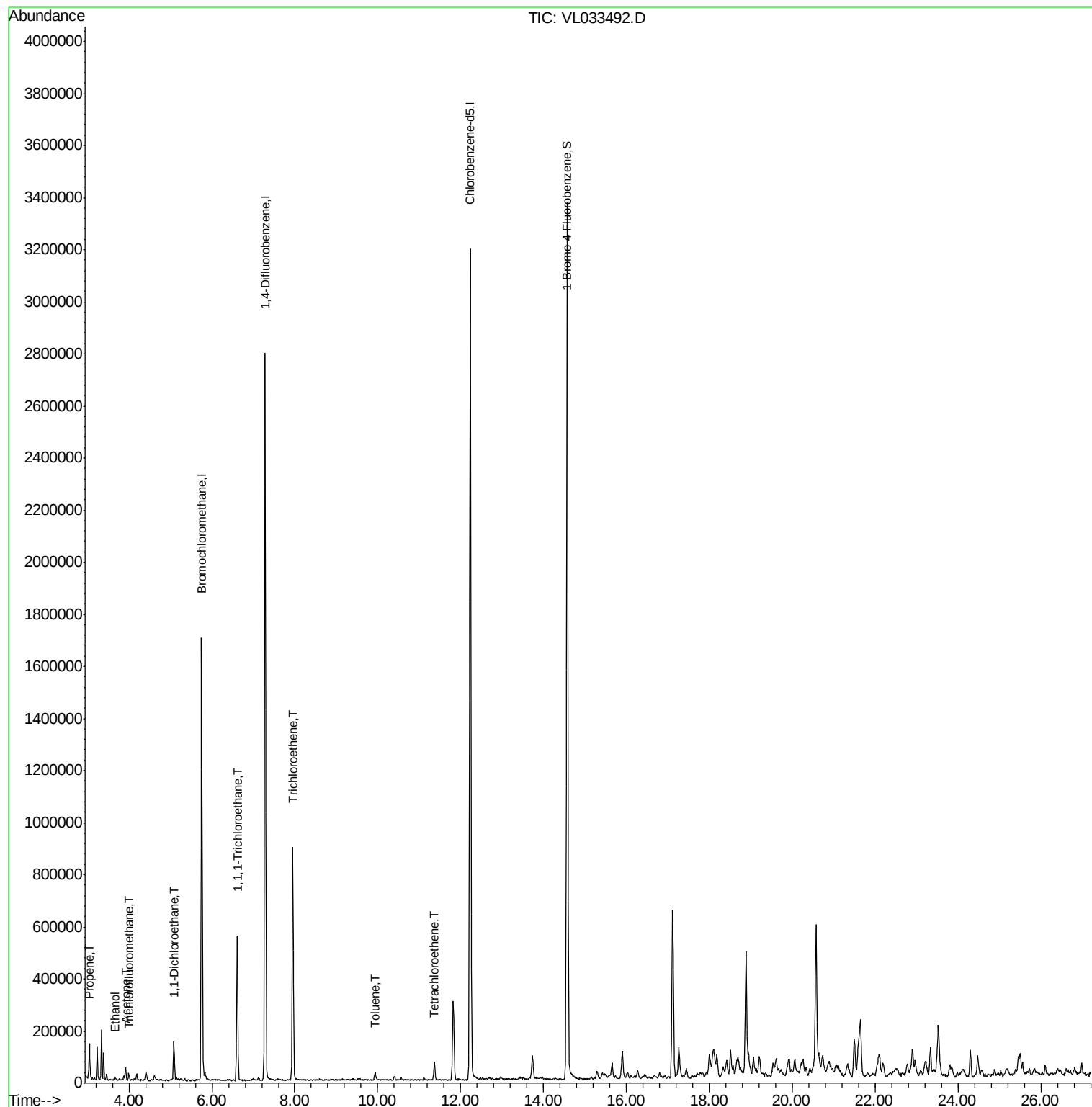
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032719\
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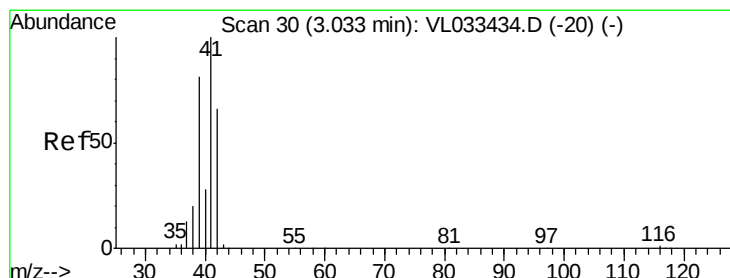
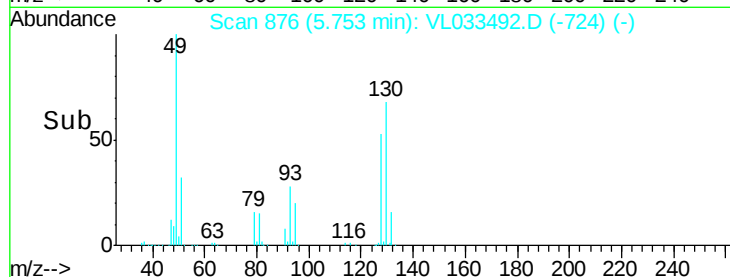
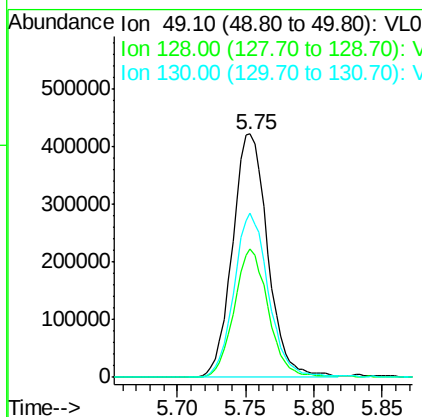
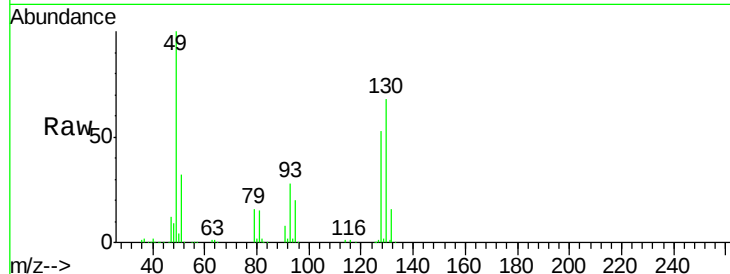
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033492.D
Acq: 28 Mar 2019 6:53

Instrument :
MSVOA_L
ClientSampleId :
VMP-5DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	51.5	24.0	72.0
130	66.8	31.2	93.6

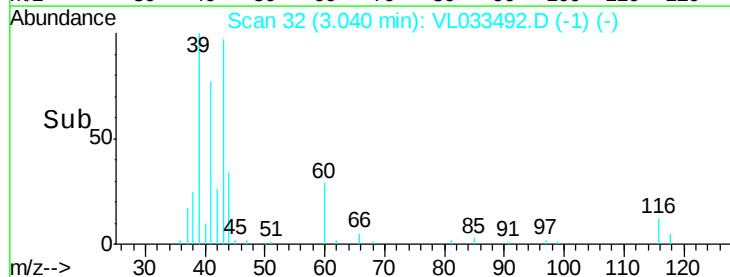
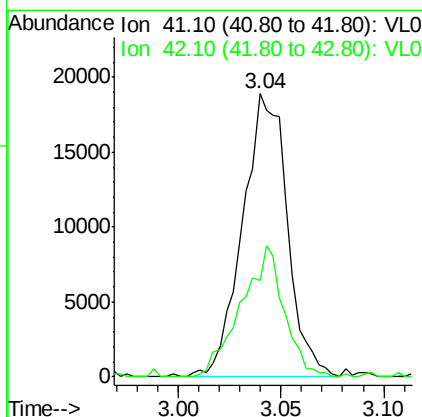
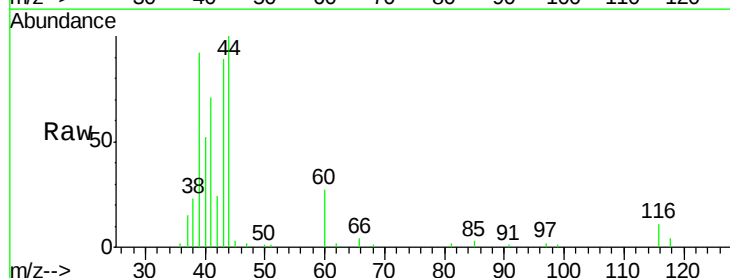
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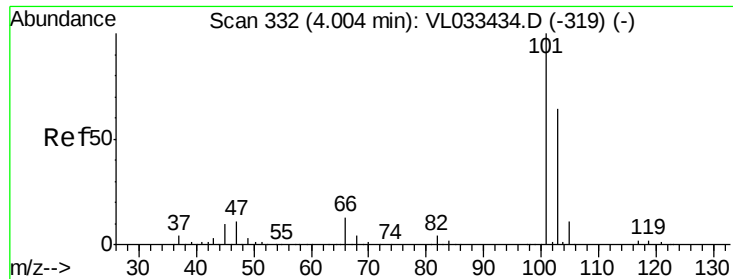
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#9
Propene
Concen: 0.779 ppbv m
RT: 3.04 min Scan# 32
Delta R.T. 0.01 min
Lab File: VL033492.D
Acq: 28 Mar 2019 6:53

Tgt Ion	Ratio	Lower	Upper
41	100		
42	45.2	53.9	80.9#





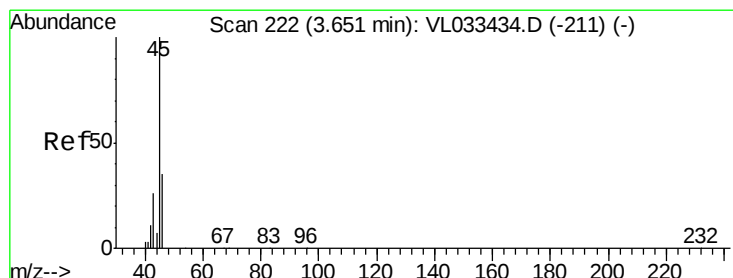
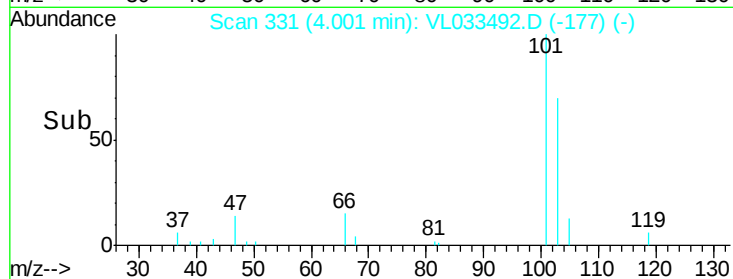
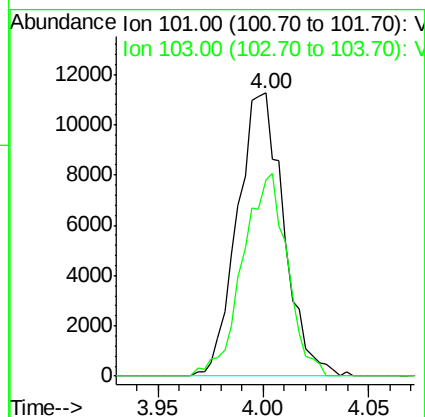
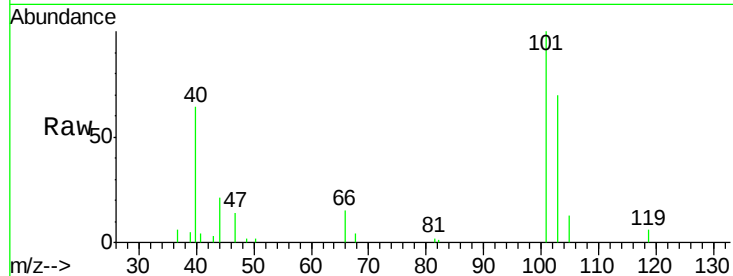
#11
Trichlorofluoromethane
Concen: 0.126 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033492.D
Acq: 28 Mar 2019 6:53

Instrument :
MSVOA_L
ClientSampleId :
VMP-5DL

Tot Ion:101 Resp: 17232
Ion Ratio Lower Upper
101 100
103 69.6 51.3 76.9

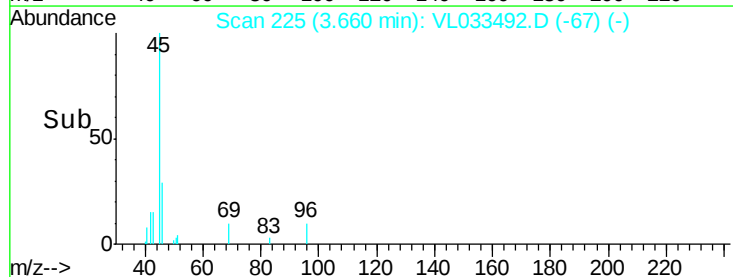
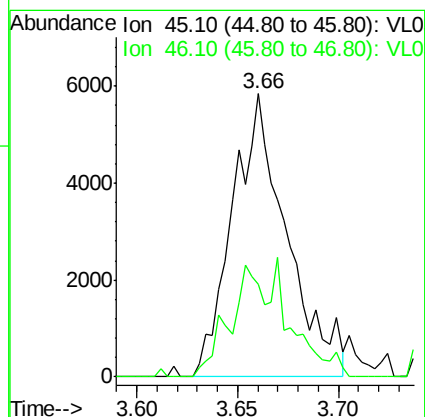
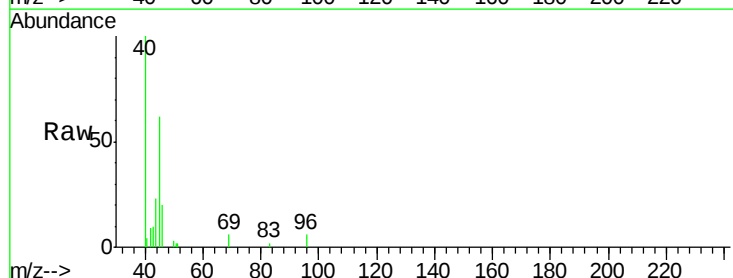
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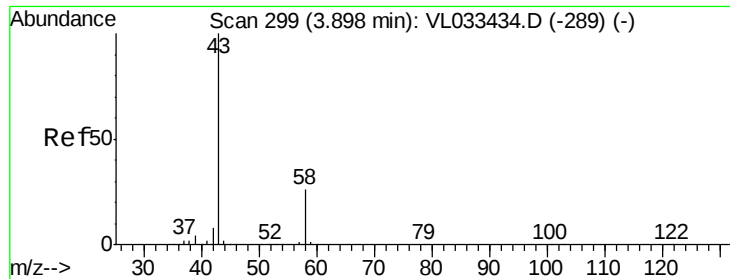
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#13
Ethanol
Concen: 1.156 ppbv m
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033492.D
Acq: 28 Mar 2019 6:53

Tgt Ion: 45 Resp: 10977
Ion Ratio Lower Upper
45 100
46 0.0 25.4 101.8#





#15

Acetone

Concen: 0.398 ppbv m

RT: 3.91 min Scan# 304

Delta R.T. 0.02 min

Lab File: VL033492.D

Acq: 28 Mar 2019 6:53

Instrument :

MSVOA_L

ClientSampleId :

VMP-5DL

Tot Ion: 43 Resp: 36313

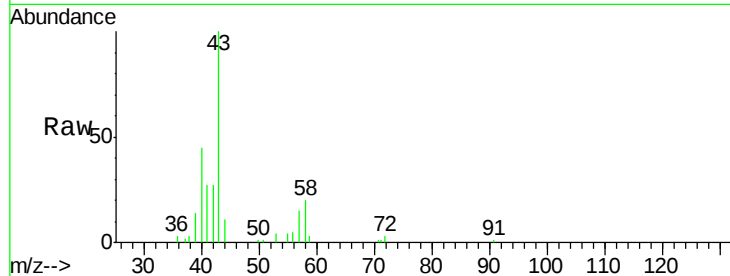
Ion Ratio Lower Upper

43 100

58 22.9 20.5 30.7

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

20000

15000

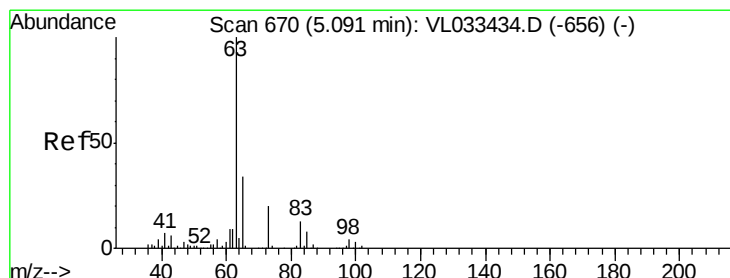
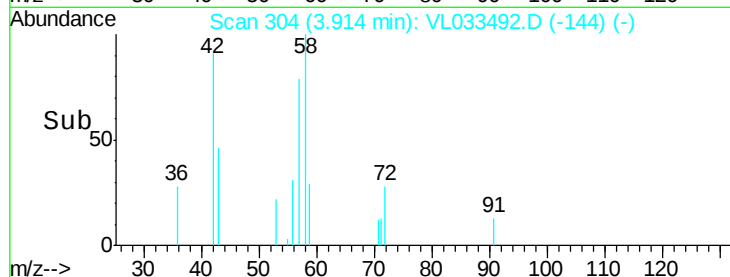
10000

5000

0

Time-->

3.85 3.90 3.95



#24

1,1-Dichloroethane

Concen: 1.198 ppbv

RT: 5.08 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL033492.D

Acq: 28 Mar 2019 6:53

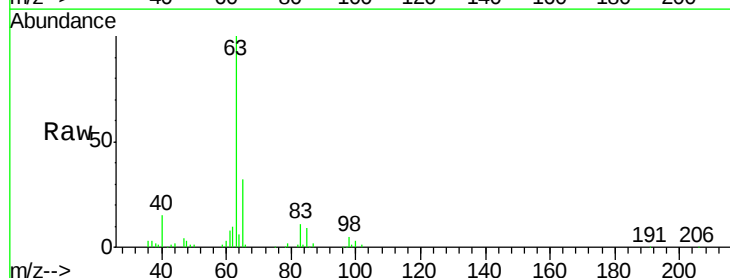
Tgt Ion: 63 Resp: 118181

Ion Ratio Lower Upper

63 100

98 6.0 2.2 6.6

100 2.9 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

5.08

80000

60000

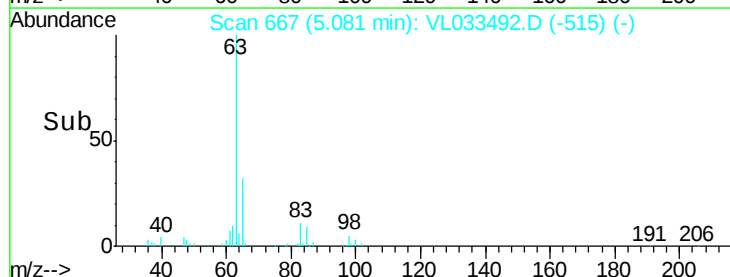
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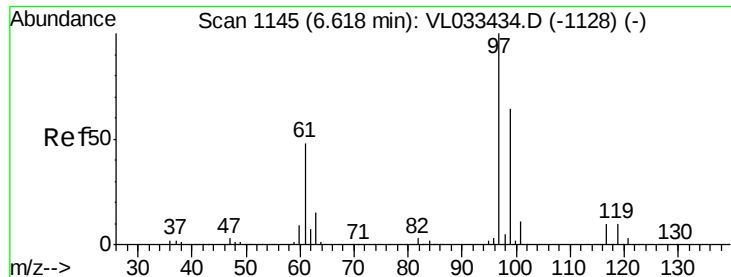
20000

0

Time-->

5.05 5.10 5.15





#32

1,1,1-Trichloroethane

Concen: 2.784 ppbv

RT: 6.61 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VL033492.D

Acq: 28 Mar 2019 6:53

Instrument :

MSVOA_L

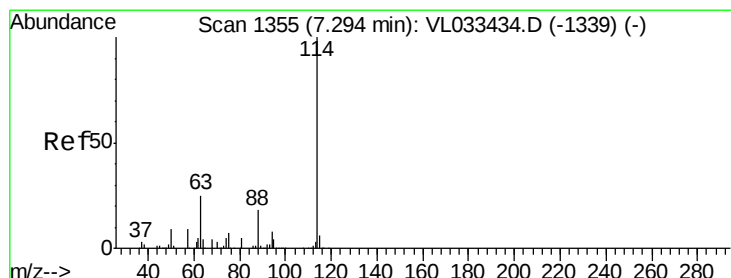
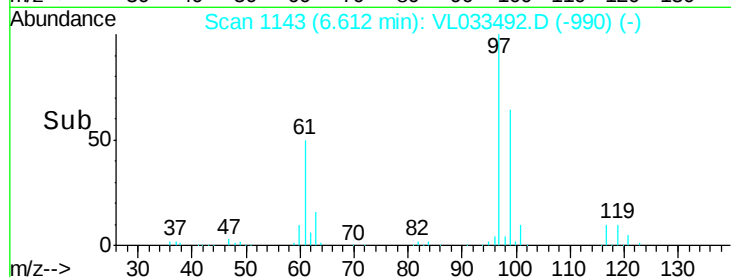
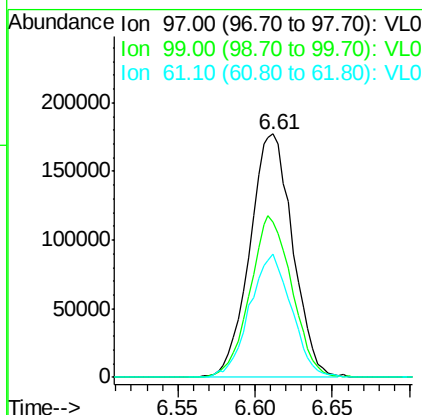
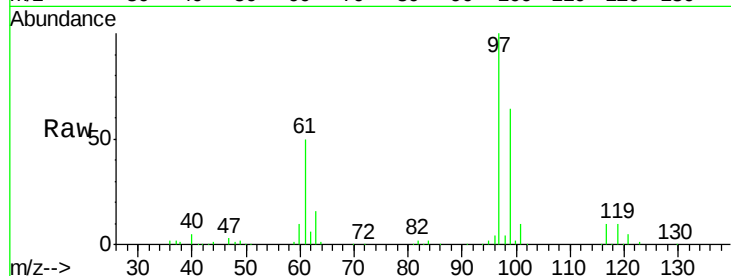
ClientSampleId :

VMP-5DL

Tot Ion:	97	Resp:	341950
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.5	77.3
61	49.4	38.8	58.2

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

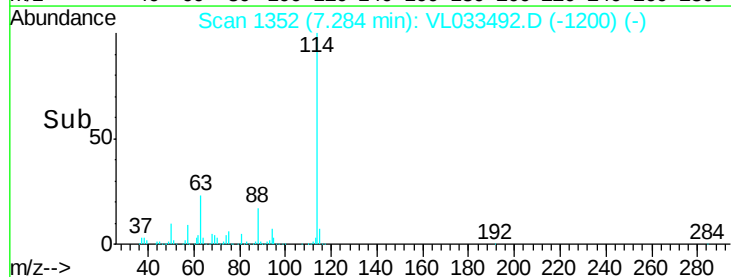
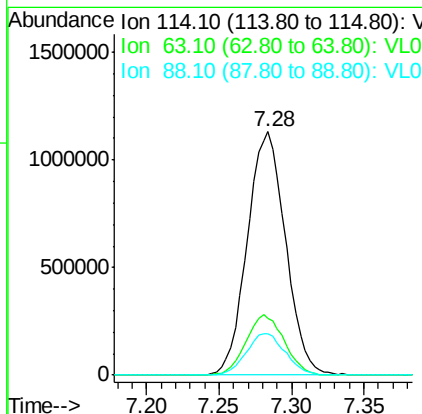
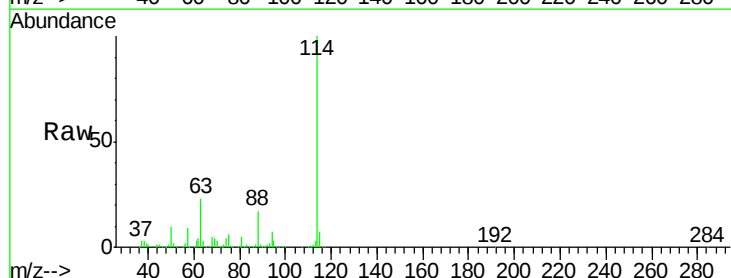
RT: 7.28 min Scan# 1352

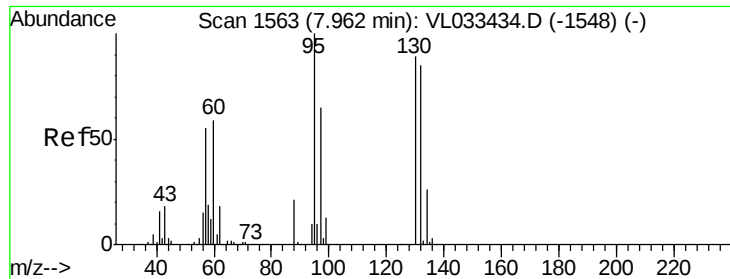
Delta R.T. -0.01 min

Lab File: VL033492.D

Acq: 28 Mar 2019 6:53

Tgt Ion:	114	Resp:	2078712
Ion Ratio	Lower	Upper	
114	100		
63	24.9	21.5	32.3
88	17.5	14.5	21.7





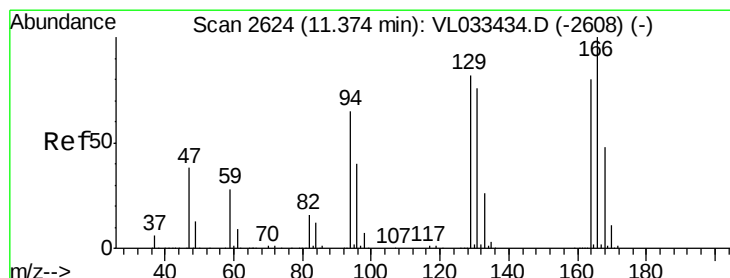
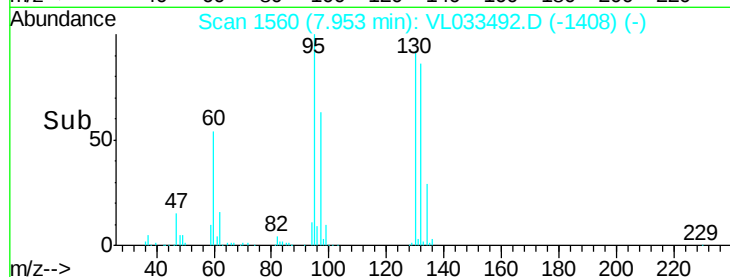
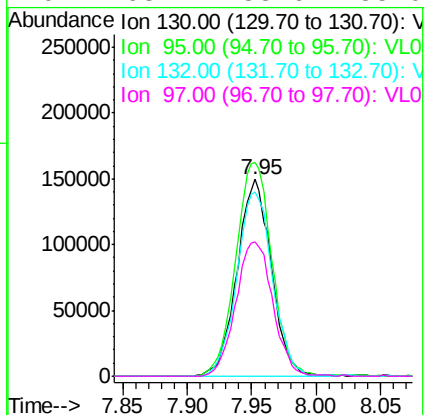
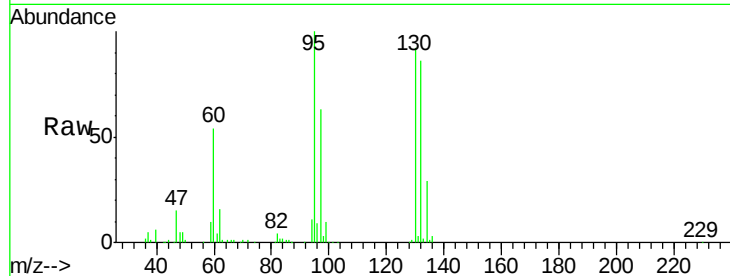
#38
 Trichloroethene
 Concen: 4.225 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033492.D
 Acq: 28 Mar 2019 6:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VMP-5DL

Tot Ion	Ratio	Resp	Lower	Upper
130	100	277339		
95	108.6		89.8	134.8
132	93.9		76.6	115.0
97	68.2		58.6	88.0

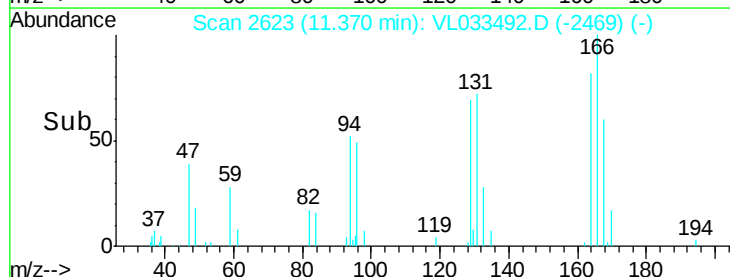
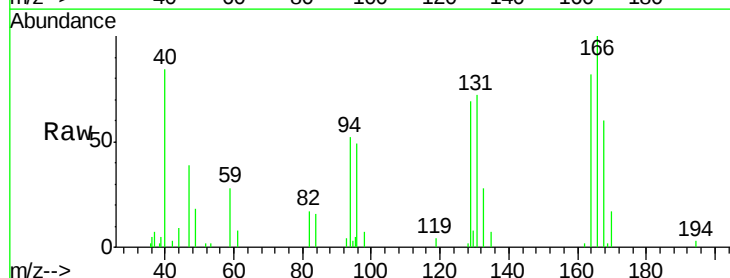
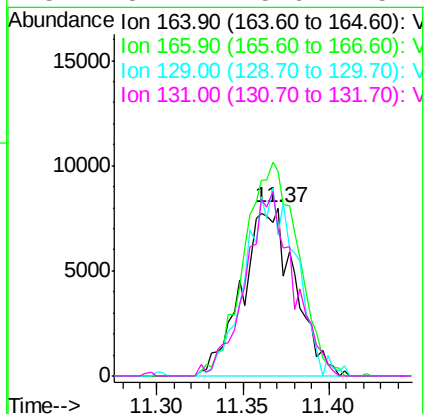
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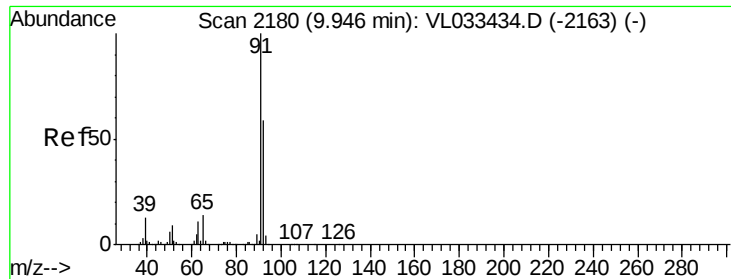
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#52
 Tetrachloroethene
 Concen: 0.258 ppbv m
 RT: 11.37 min Scan# 2623
 Delta R.T. -0.00 min
 Lab File: VL033492.D
 Acq: 28 Mar 2019 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	17002		
166	121.6		99.5	149.3
129	83.6		81.4	122.2
131	87.7		75.6	113.4





#53

Toluene

Concen: 0.104 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033492.D

Acq: 28 Mar 2019 6:53

Instrument :

MSVOA_L

ClientSampleId :

VMP-5DL

Tot Ion: 91 Resp: 20978

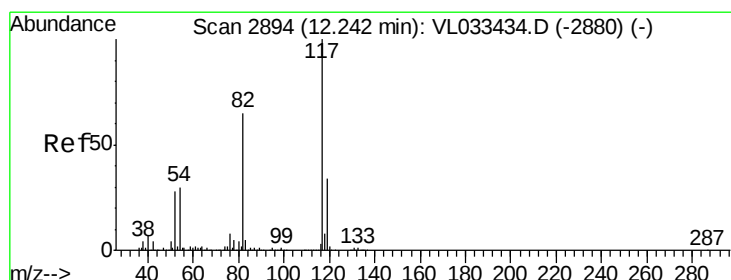
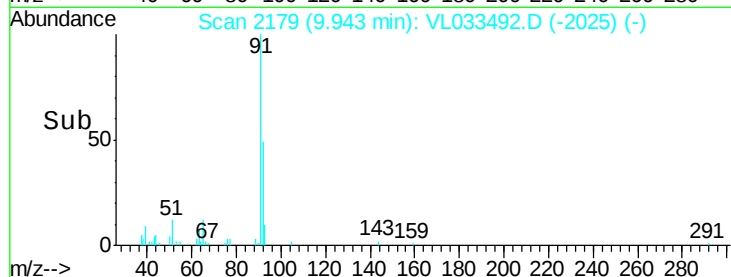
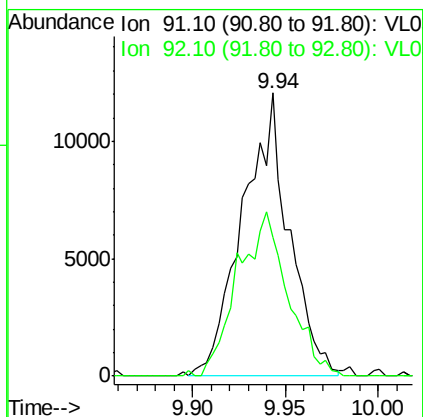
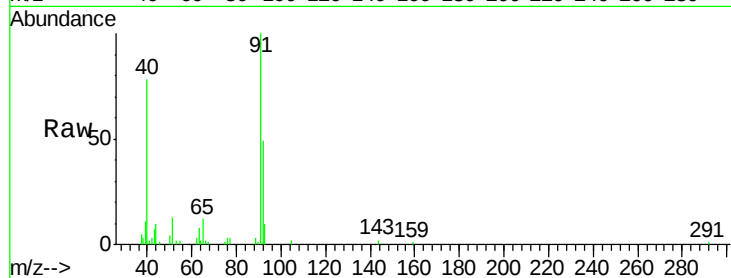
Ion Ratio Lower Upper

91 100

92 63.1 47.4 71.0

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033492.D

Acq: 28 Mar 2019 6:53

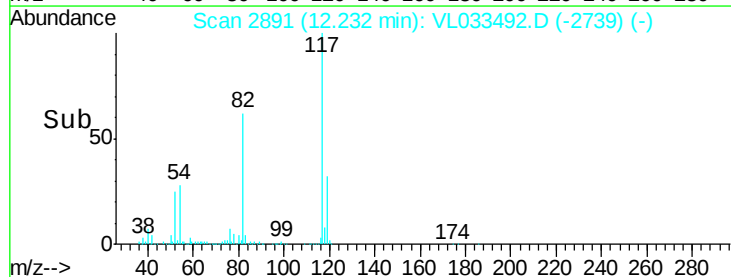
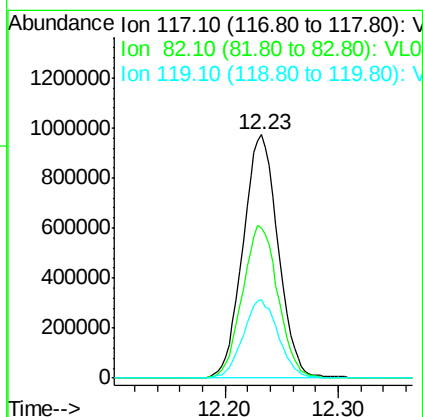
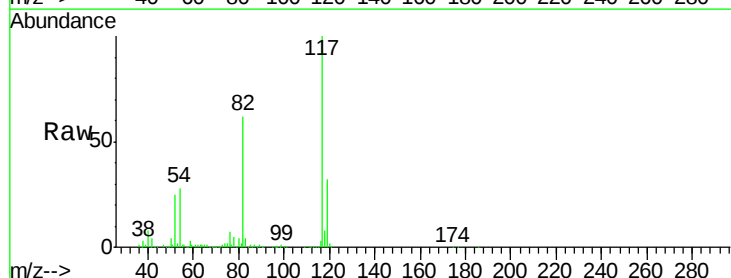
Tgt Ion: 117 Resp: 2100119

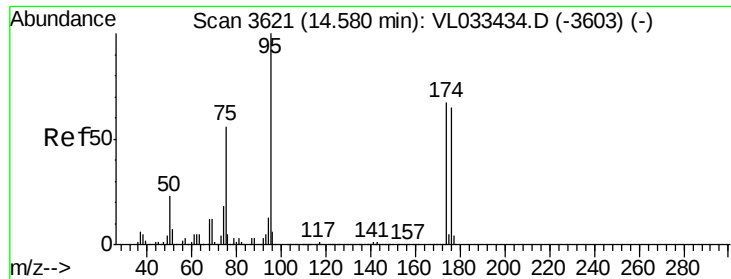
Ion Ratio Lower Upper

117 100

82 63.8 51.5 77.3

119 32.4 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.778 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033492.D
 Acq: 28 Mar 2019 6:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VMP-5DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	69.3	52.9	79.3
175	5.2	3.8	5.6

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