

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033847.D
 Acq On : 29 May 2019 22:49
 Operator : SY/AP
 Sample : K3067-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-15-20190522-ODL

Manual Integrations
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Quant Time: May 30 02:42:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	758466	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1702107	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1734496	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1383659	9.84	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	25916m	2.170	ppbv	
15) Acetone	3.90	43	86238	0.819	ppbv	94
19) Isopropyl Alcohol	4.04	45	26972	0.398	ppbv #	80
20) Methylene Chloride	4.41	84	19400	0.479	ppbv	97
26) Hexane	5.77	57	21885	0.275	ppbv #	39
29) Chloroform	5.84	83	26767	0.183	ppbv	93
52) Tetrachloroethene	11.37	164	6986m	0.128	ppbv	
53) Toluene	9.94	91	42729	0.256	ppbv	96

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

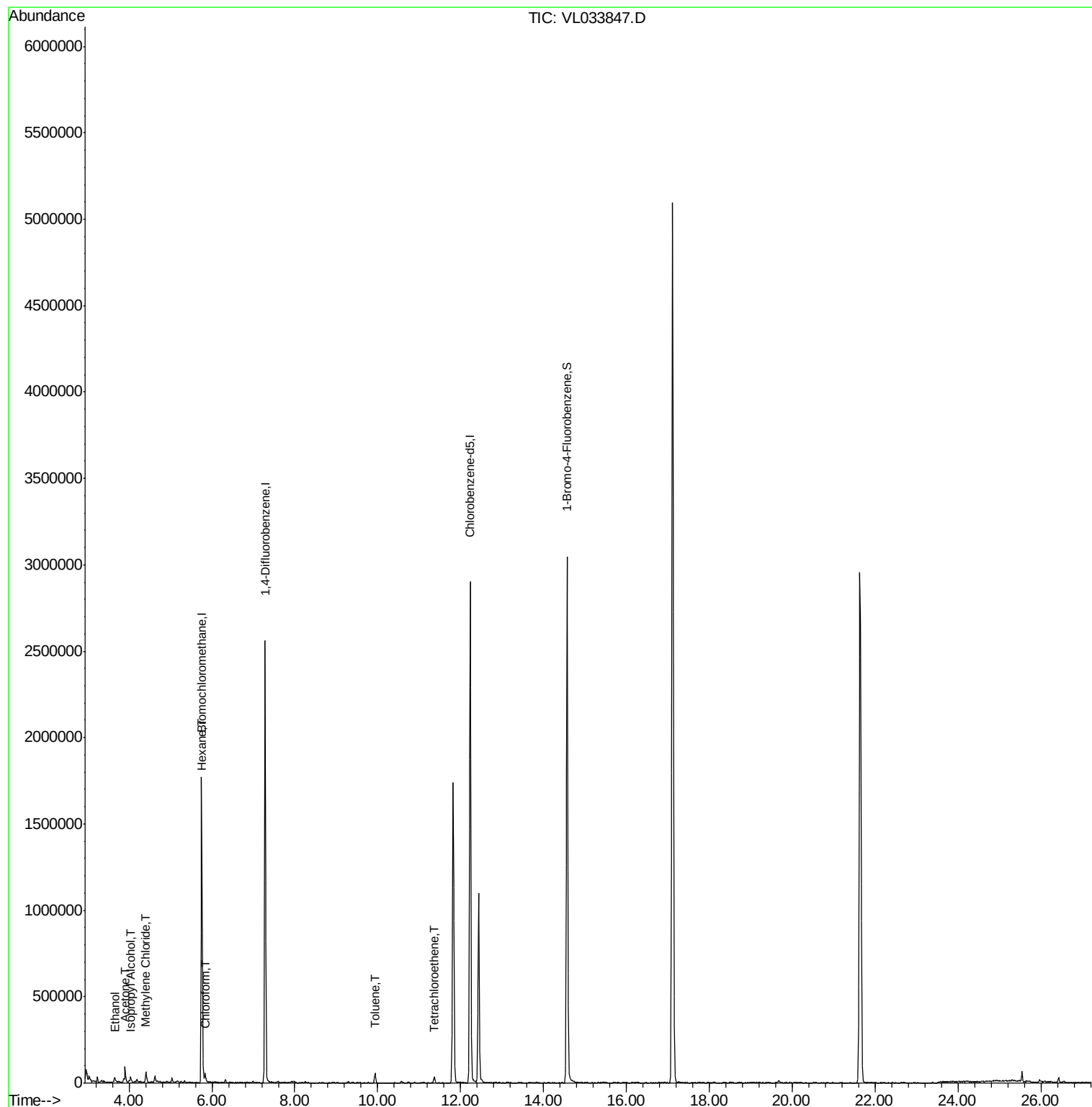
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052919\
Data File : VL033847.D
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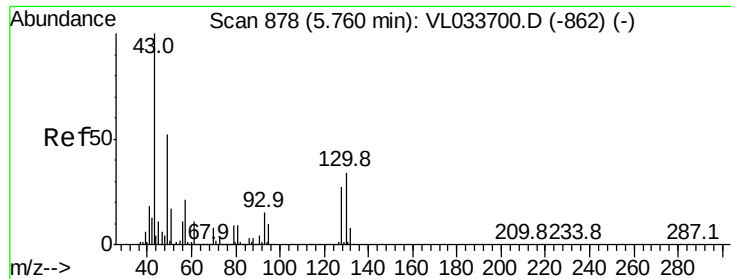
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
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QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033847.D

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Instrument :

MSVOA_L

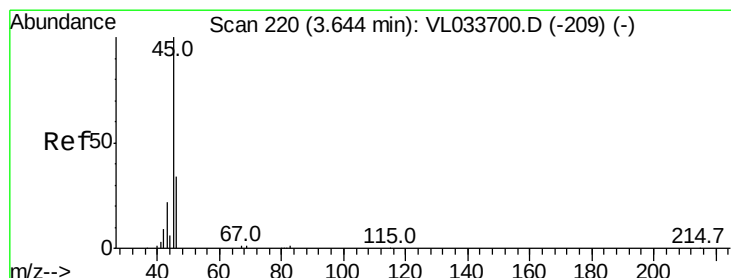
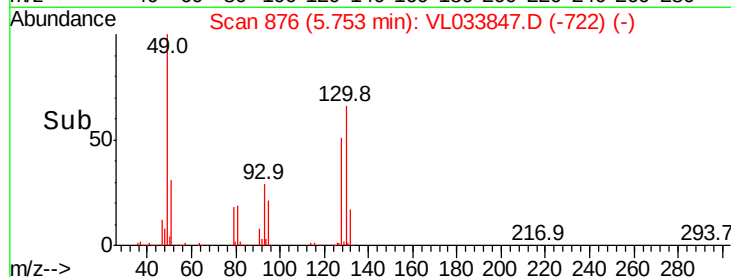
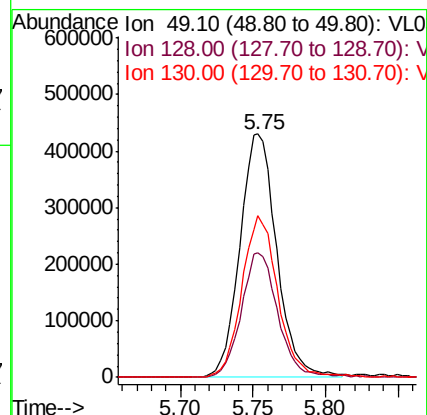
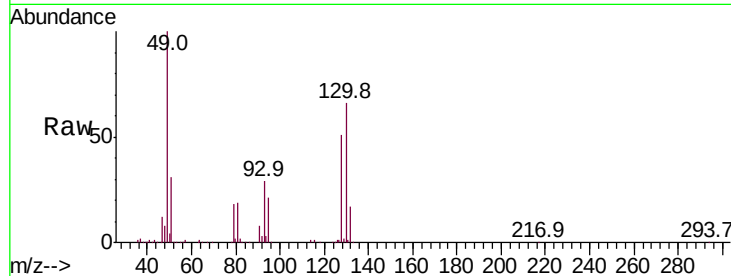
ClientSampleId :

SG-15-20190522-ODL

Tot Ion:	49	Resp:	758466
Ion Ratio	Lower	Upper	
49	100		
128	51.0	25.2	75.6
130	65.6	32.5	97.5

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#13

Ethanol

Concen: 2.170 ppbv m

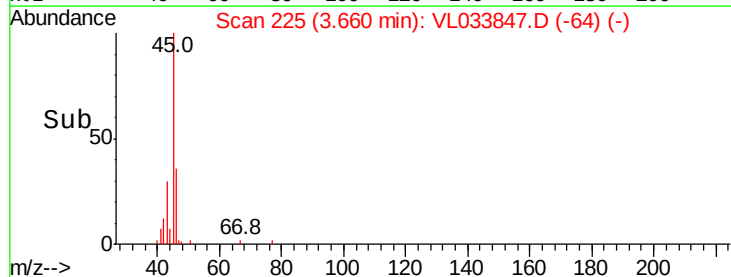
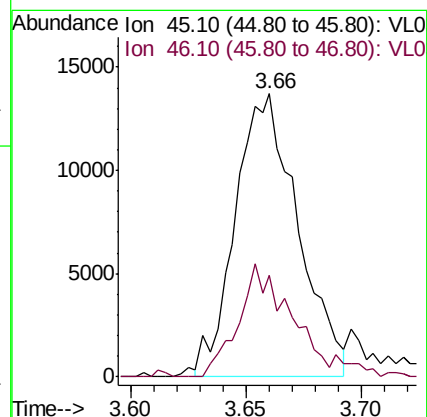
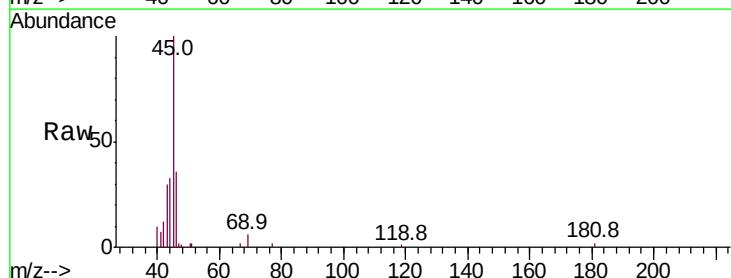
RT: 3.66 min Scan# 225

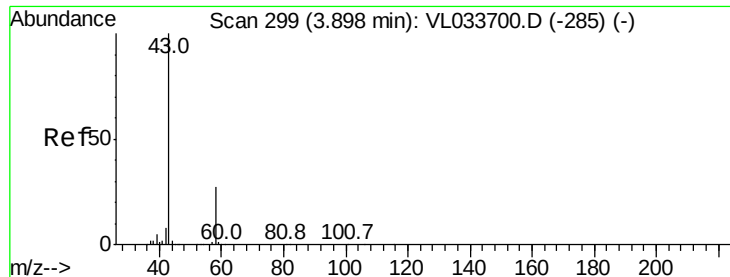
Delta R.T. 0.02 min

Lab File: VL033847.D

Acq: 29 May 2019 22:49

Tgt Ion:	45	Resp:	25916
Ion Ratio	Lower	Upper	
45	100		
46	0.0	14.8	59.0#





#15

Acetone

Concen: 0.819 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033847.D

Acq: 29 May 2019 22:49

Instrument :

MSVOA_L

ClientSampleId :

SG-15-20190522-ODL

Tot Ion: 43 Resp: 86238

Ion Ratio Lower Upper

43 100

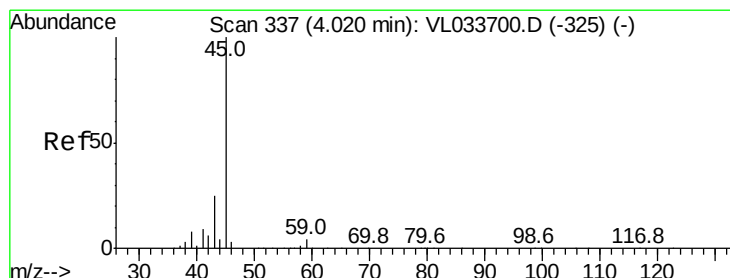
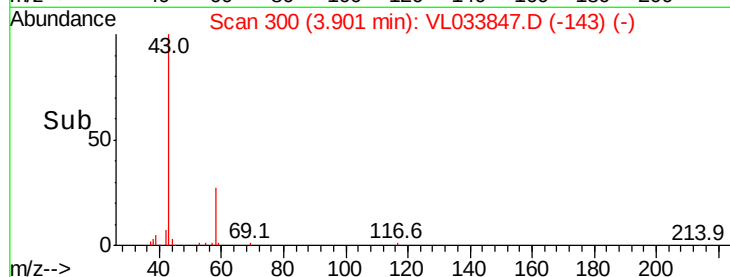
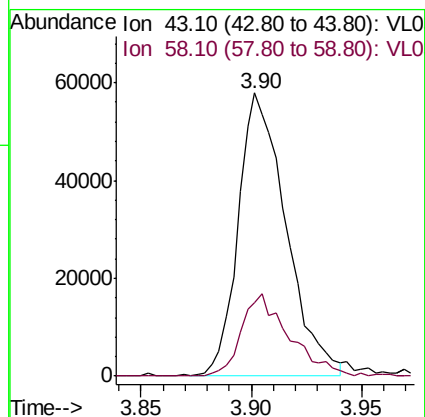
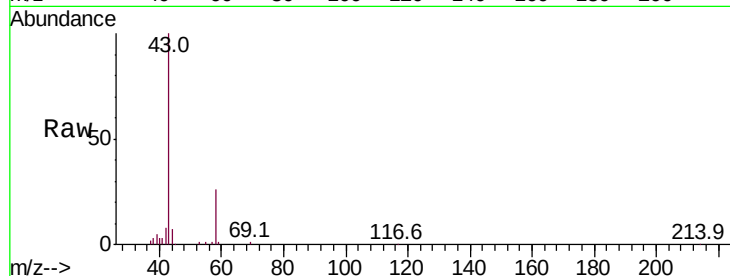
58 29.5 21.3 31.9

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#19

Isopropyl Alcohol

Concen: 0.398 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.02 min

Lab File: VL033847.D

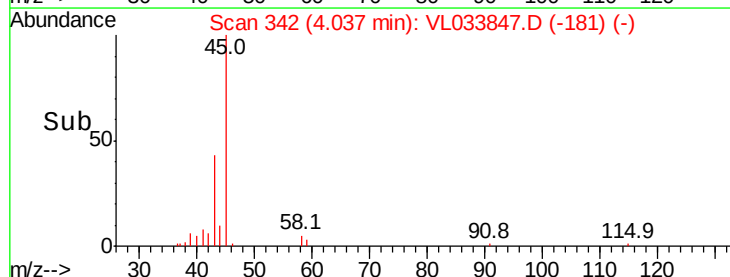
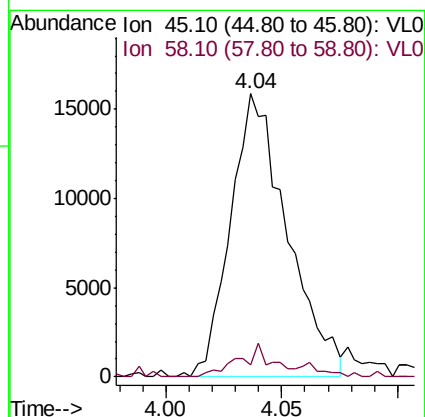
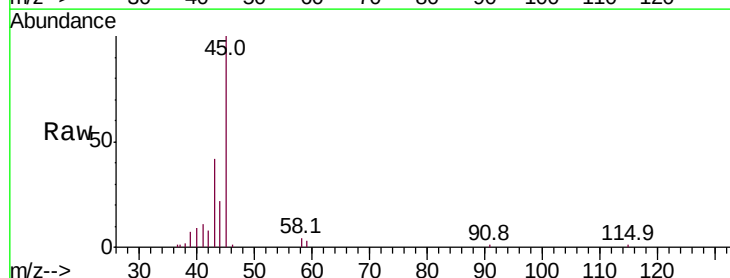
Acq: 29 May 2019 22:49

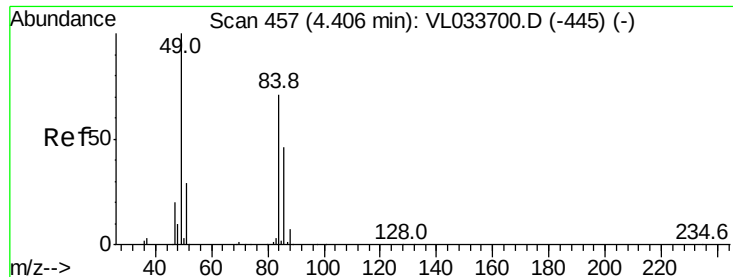
Tgt Ion: 45 Resp: 26972

Ion Ratio Lower Upper

45 100

58 9.0 1.6 2.4#





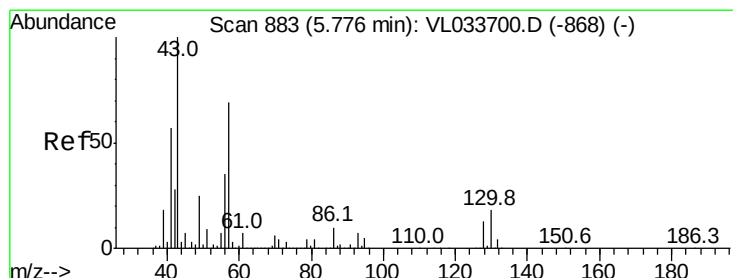
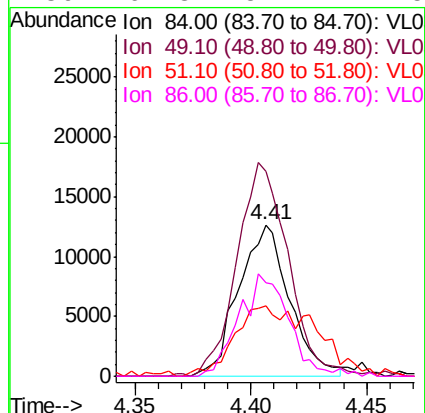
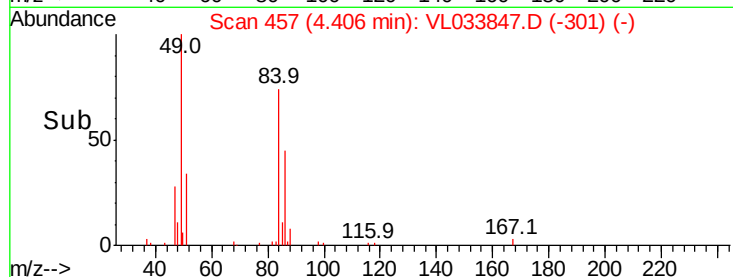
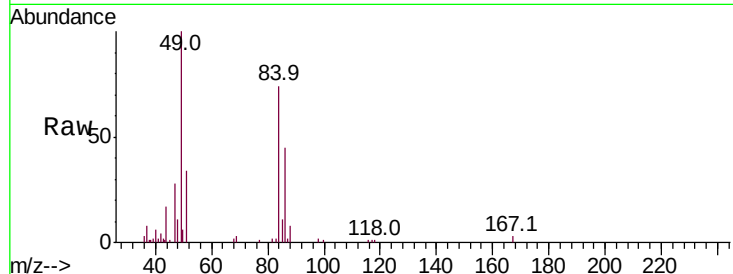
#20
Methylene Chloride
Concen: 0.479 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033847.D
Acq: 29 May 2019 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-15-20190522-ODL

Tot Ion	Ratio	Lower	Upper
84	100		
49	144.0	112.8	169.2
51	43.8	33.4	50.0
86	61.3	51.7	77.5

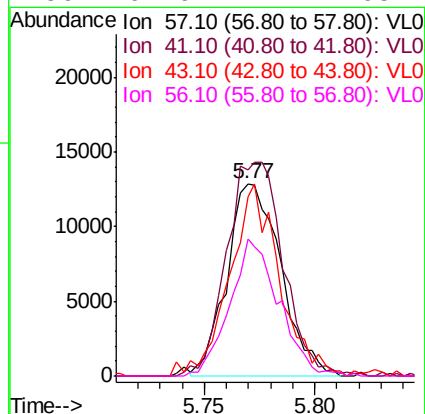
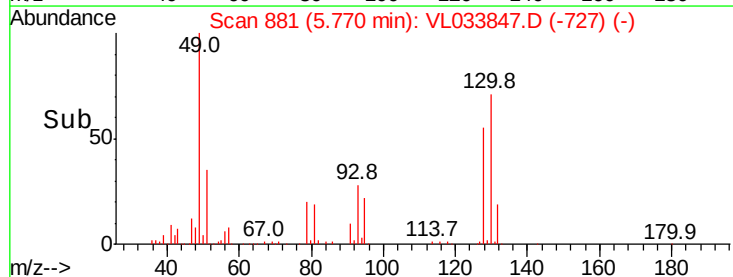
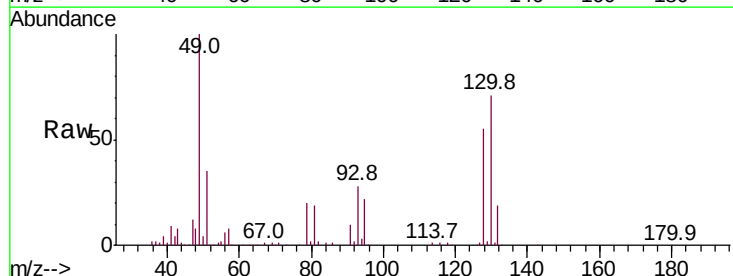
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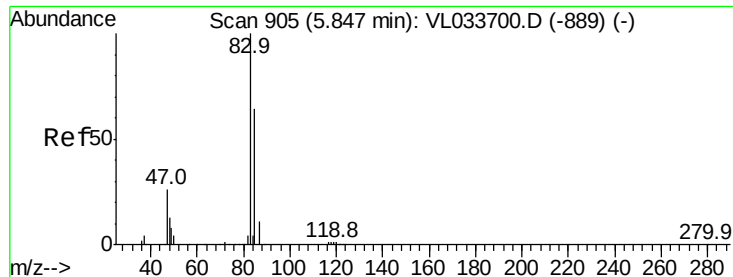
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#26
Hexane
Concen: 0.275 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033847.D
Acq: 29 May 2019 22:49

Tgt Ion	Ratio	Lower	Upper
57	100		
41	117.8	69.8	104.6#
43	94.0	181.8	272.6#
56	64.6	42.1	63.1#





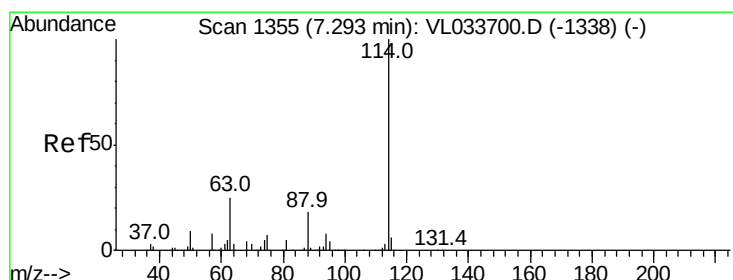
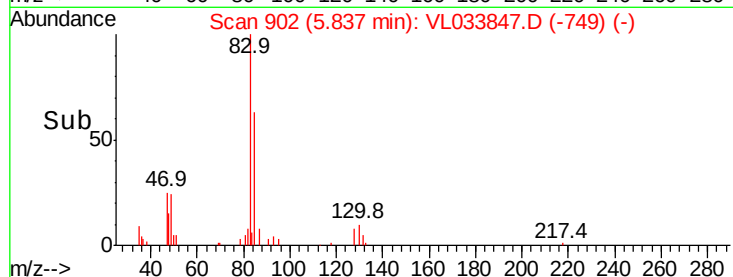
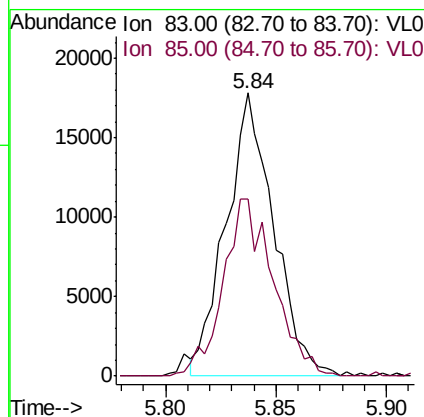
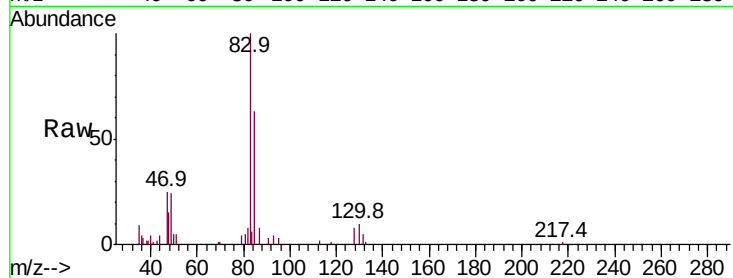
#29
Chloroform
Concen: 0.183 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL033847.D
Acq: 29 May 2019 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-15-20190522-ODL

Tot Ion	83	Resp	26767
Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.5	77.3

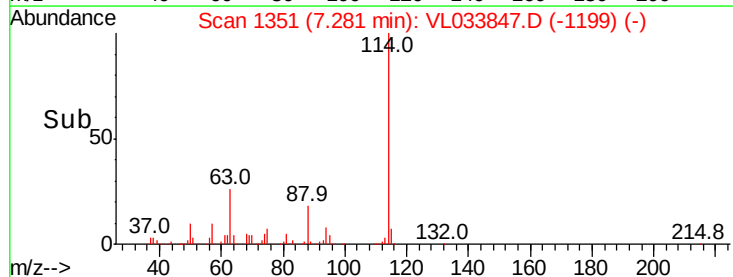
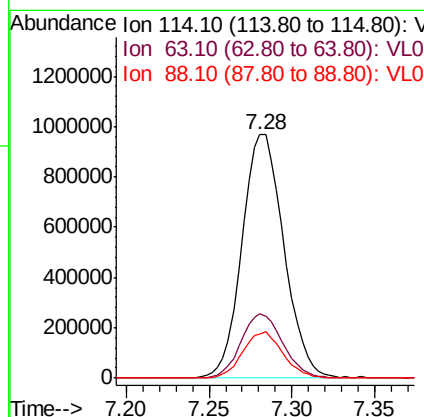
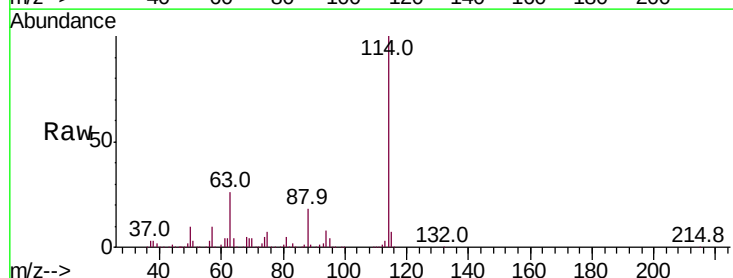
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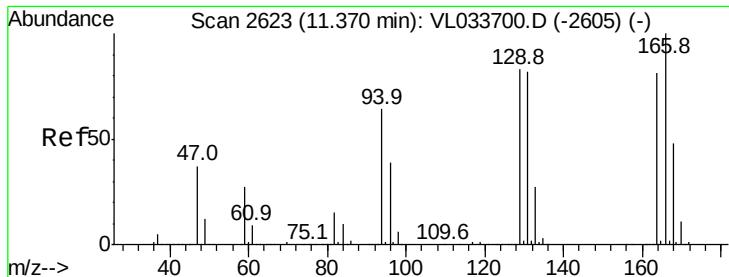
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033847.D
Acq: 29 May 2019 22:49

Tgt Ion	114	Resp	1702107
Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.9	31.3
88	18.3	14.3	21.5





#52

Tetrachloroethene

Concen: 0.128 ppbv m

RT: 11.37 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL033847.D

Acq: 29 May 2019 22:49

Instrument :

MSVOA_L

ClientSampleId :

SG-15-20190522-ODL

Tot Ion:164 Resp: 6986

Ion Ratio Lower Upper

164 100

166 104.7 98.9 148.3

129 120.4 81.8 122.6

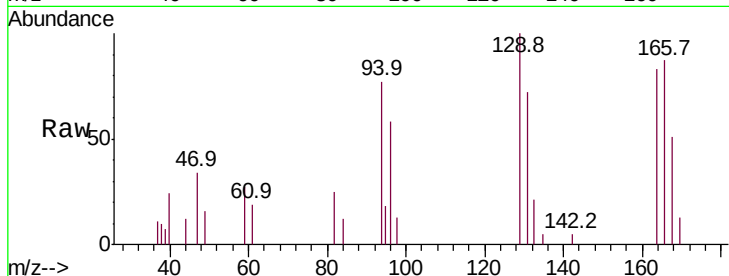
131 86.1 81.1 121.7

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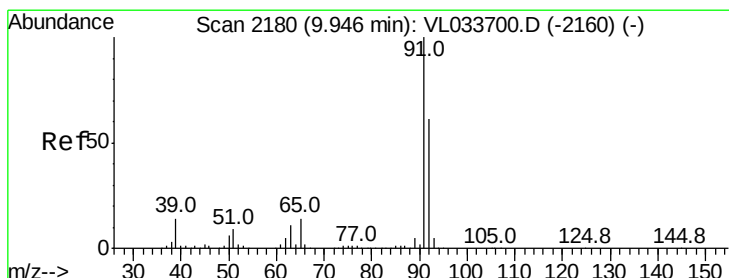
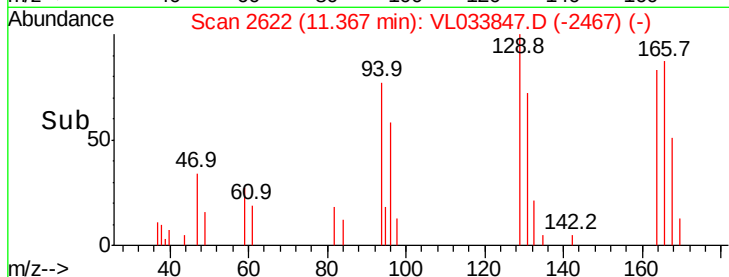
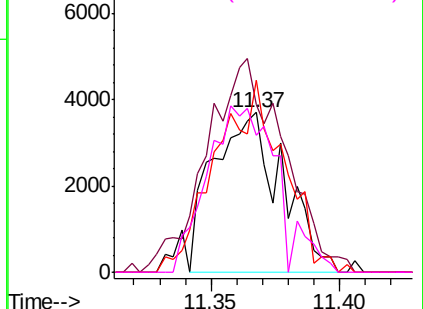


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.256 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033847.D

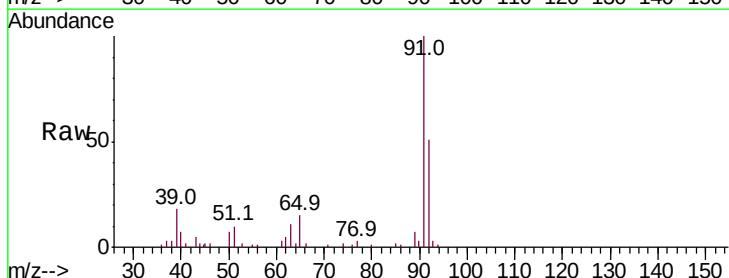
Acq: 29 May 2019 22:49

Tgt Ion: 91 Resp: 42729

Ion Ratio Lower Upper

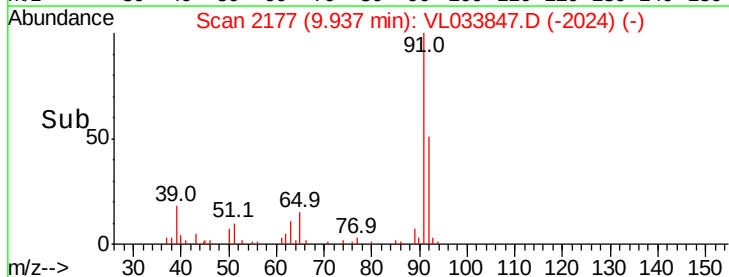
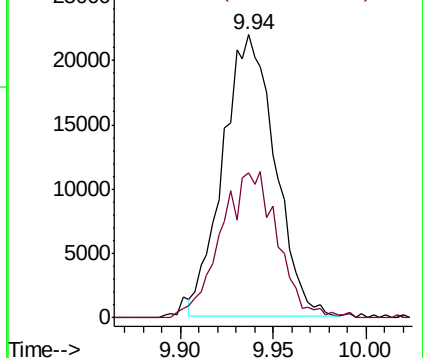
91 100

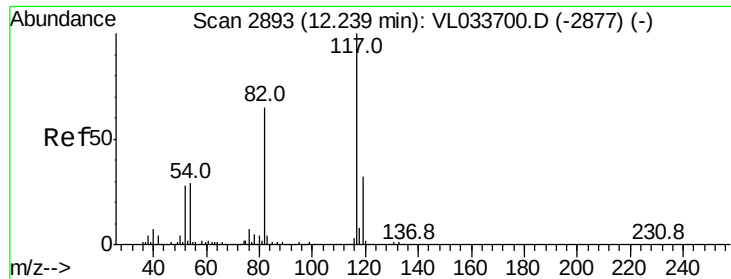
92 56.9 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





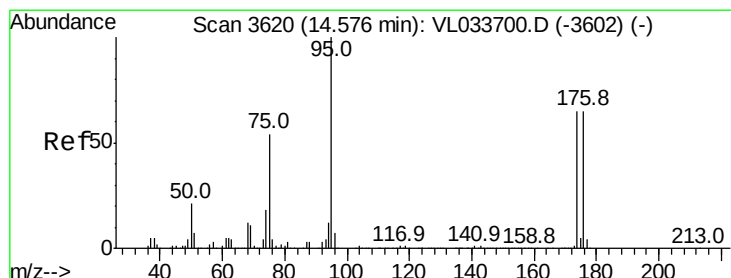
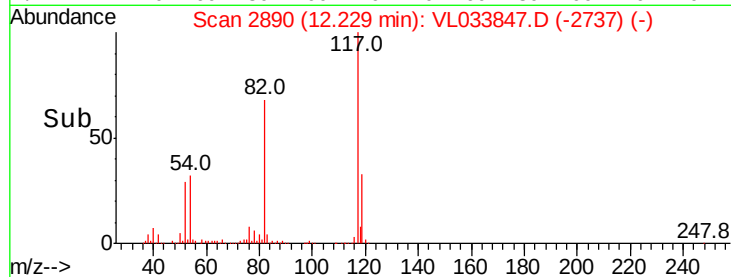
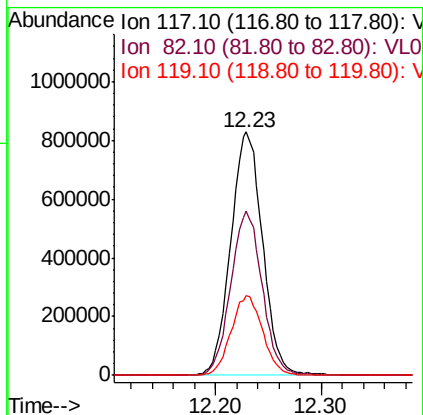
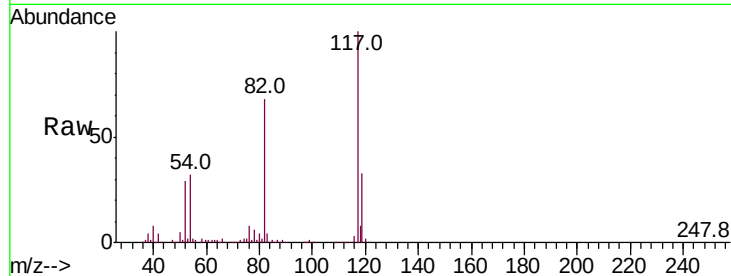
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033847.D
Acq: 29 May 2019 22:49

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Tot Ion:117 Resp: 1734496
Ion Ratio Lower Upper
117 100
82 66.8 49.4 74.0
119 32.6 24.9 37.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.840 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL033847.D
Acq: 29 May 2019 22:49

Tgt Ion: 95 Resp: 1383659
Ion Ratio Lower Upper
95 100
174 66.4 53.9 80.9
175 4.7 3.8 5.8

