

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033855.D
 Acq On : 30 May 2019 4:13
 Operator : SY/AP
 Sample : K3067-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5-20190523-ODL

Manual Integrations
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Quant Time: May 30 06:43:14 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	691114	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1582833	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1588163	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1279233	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	20277m	1.863	ppbv	
15) Acetone	3.90	43	58834	0.614	ppbv	98
19) Isopropyl Alcohol	4.04	45	22327m	0.361	ppbv	
20) Methylene Chloride	4.40	84	15098m	0.409	ppbv	
26) Hexane	5.77	57	13348m	0.184	ppbv	
53) Toluene	9.94	91	20077m	0.129	ppbv	

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

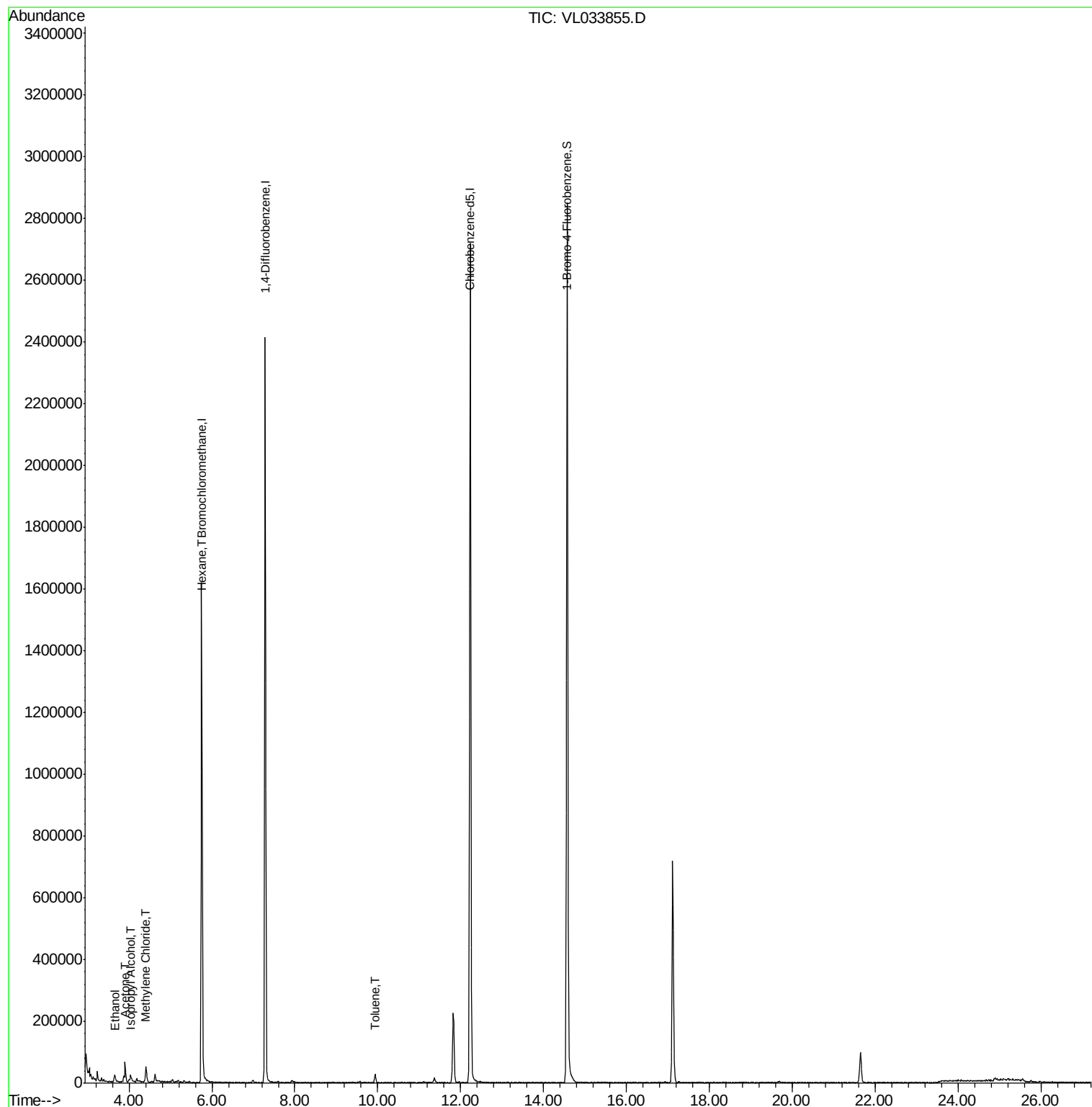
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052919\
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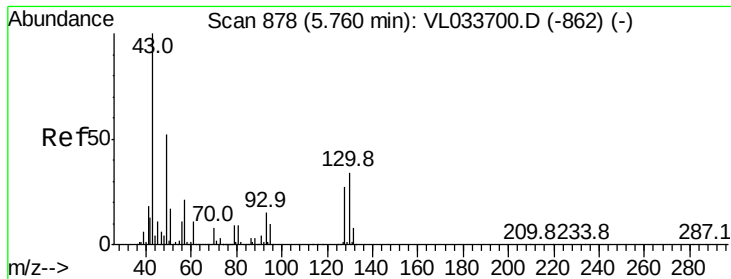
Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-0DL

Manual Integrations
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5/31/2019 12:45:59 PM

Quant Time: May 30 06:43:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
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: VL033855.D

Acq: 30 May 2019 4:13

Instrument :

MSVOA_L

ClientSampleId :

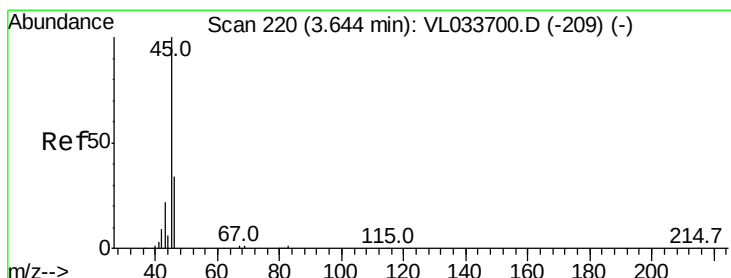
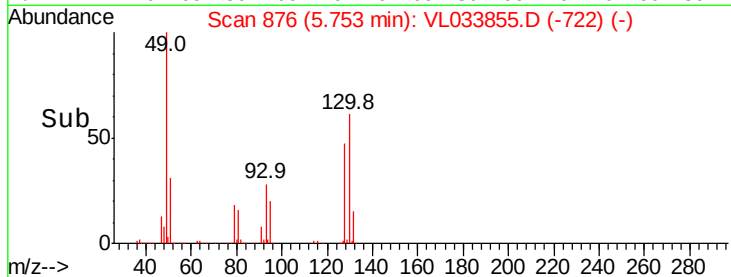
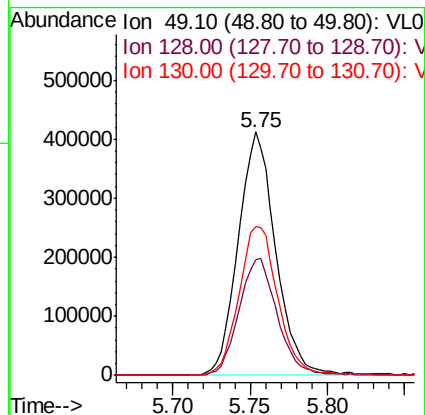
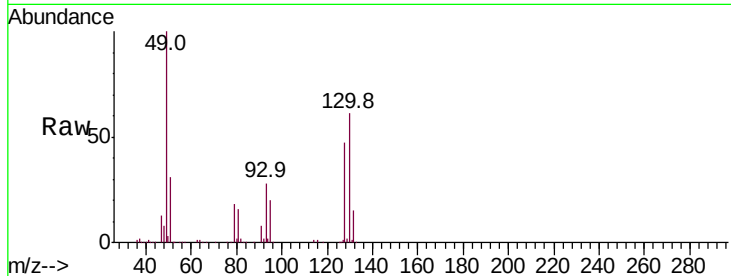
SG-5-20190523-0DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	49.5	25.2	75.6
130	64.5	32.5	97.5

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#13

Ethanol

Concen: 1.863 ppbv m

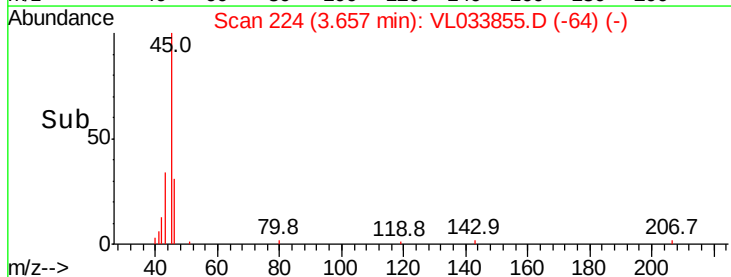
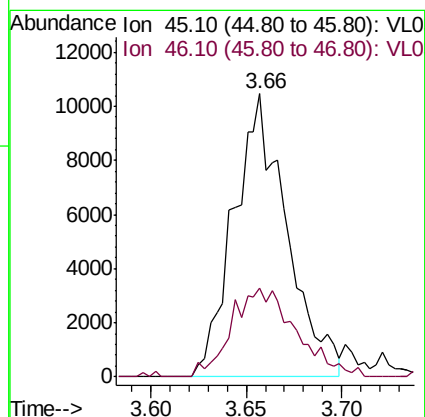
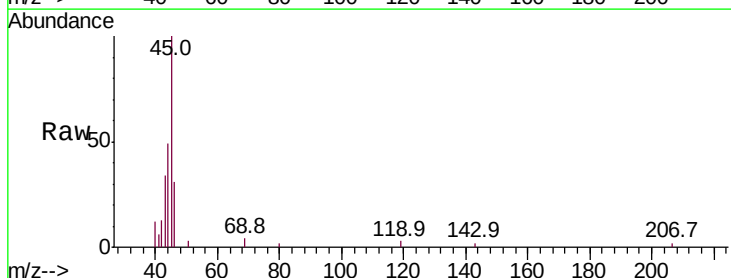
RT: 3.66 min Scan# 224

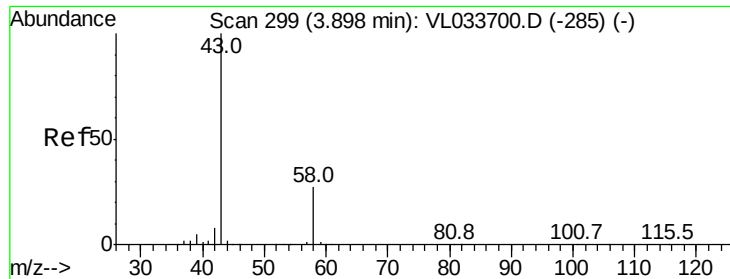
Delta R.T. 0.01 min

Lab File: VL033855.D

Acq: 30 May 2019 4:13

Tgt Ion	Ratio	Lower	Upper
45	100		
46	38.3	14.8	59.0





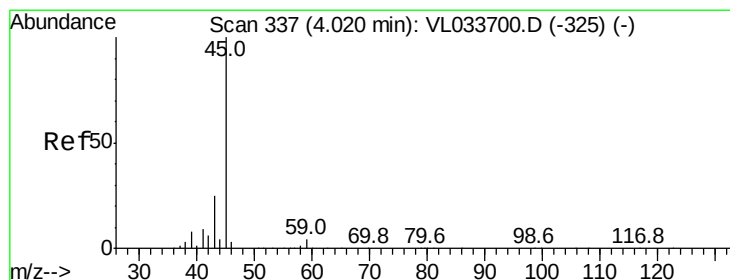
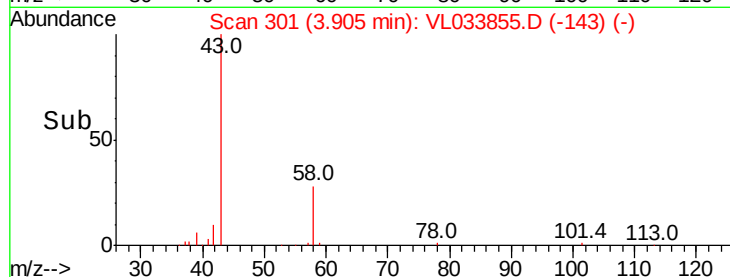
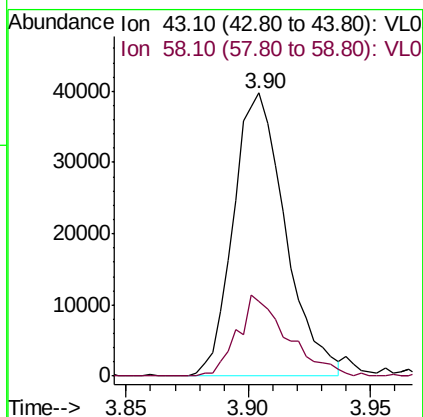
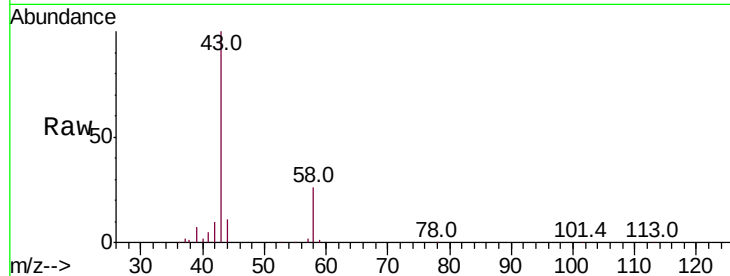
#15
Acetone
Concen: 0.614 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033855.D
Acq: 30 May 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-ODL

Tot Ion: 43 Resp: 58834
Ion Ratio Lower Upper
43 100
58 27.5 21.3 31.9

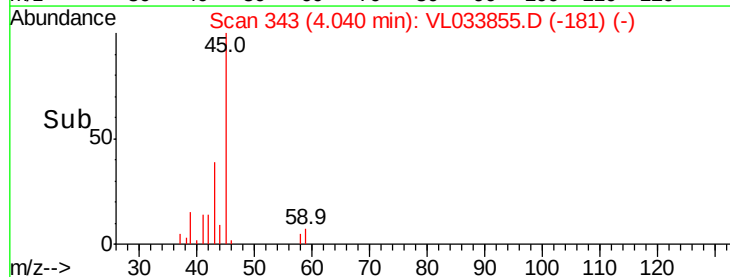
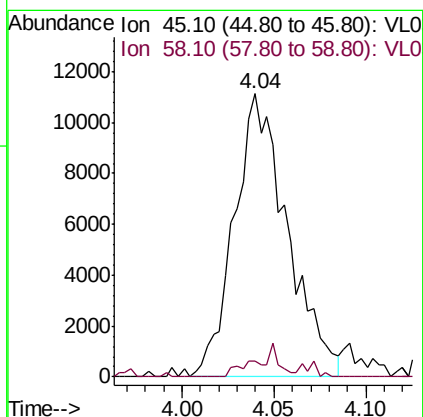
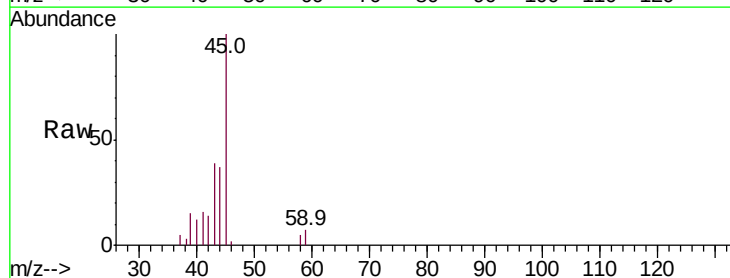
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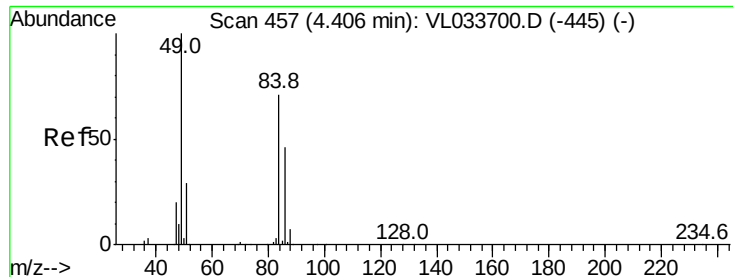
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#19
Isopropyl Alcohol
Concen: 0.361 ppbv m
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033855.D
Acq: 30 May 2019 4:13

Tgt Ion: 45 Resp: 22327
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#





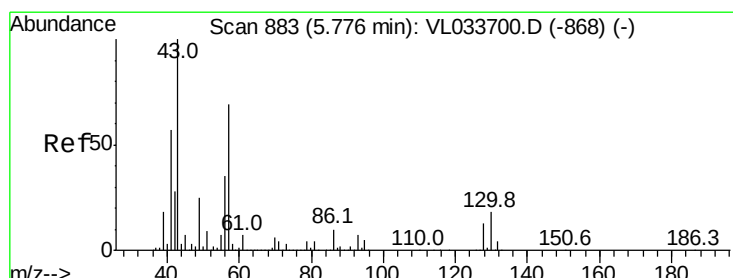
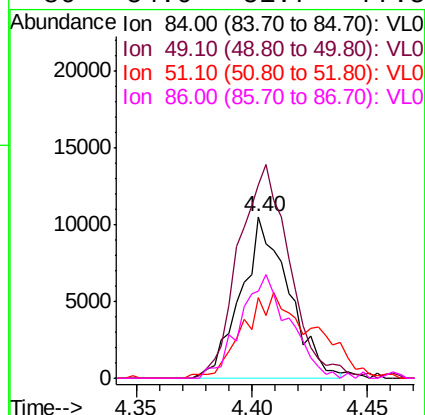
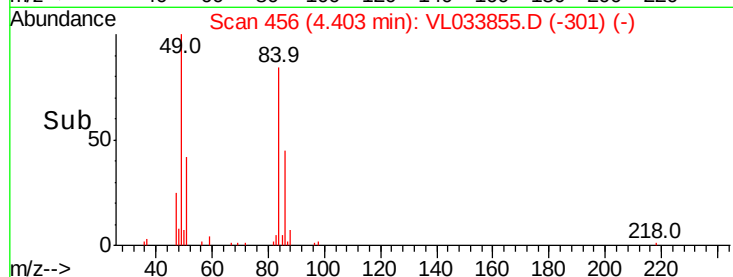
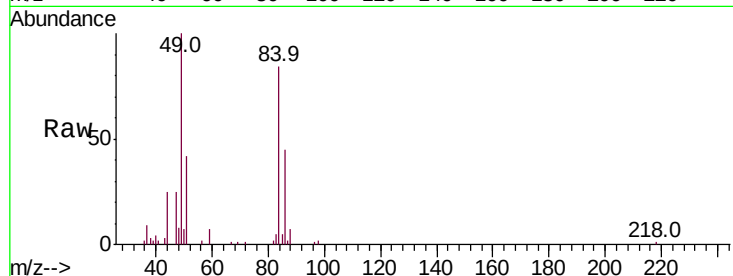
#20
Methvlene Chloride
Concen: 0.409 ppbv m
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033855.D
Acq: 30 May 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-0DL

Tot Ion	84	Resp	15098
Ion	Ratio	Lower	Upper
84	100		
49	119.5	112.8	169.2
51	49.7	33.4	50.0
86	54.0	51.7	77.5

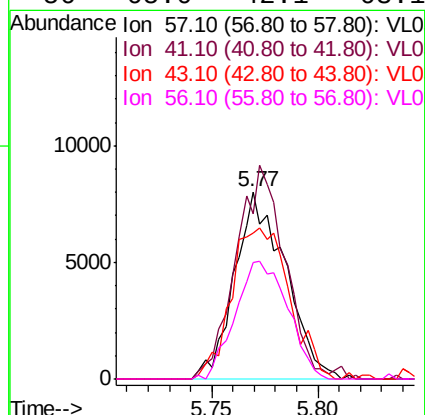
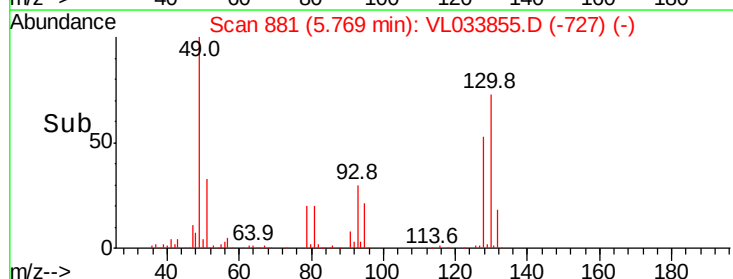
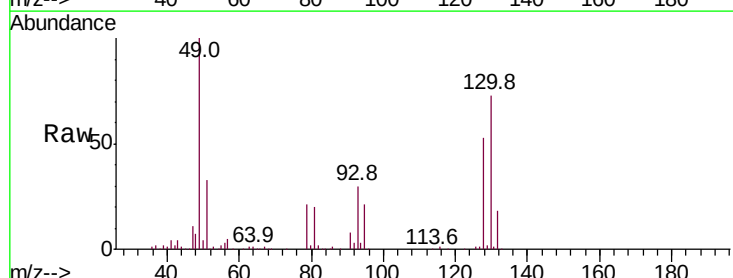
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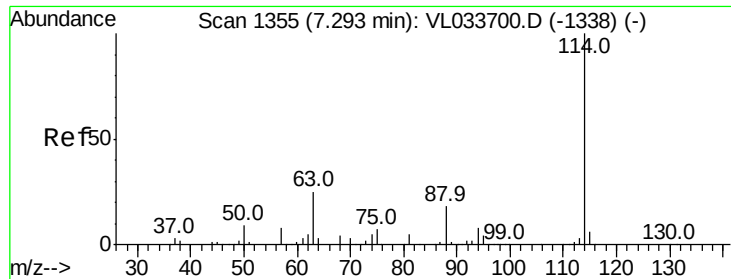
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#26
Hexane
Concen: 0.184 ppbv m
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033855.D
Acq: 30 May 2019 4:13

Tgt Ion	57	Resp	13348
Ion	Ratio	Lower	Upper
57	100		
41	110.9	69.8	104.6#
43	92.3	181.8	272.6#
56	65.0	42.1	63.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033855.D

Acq: 30 May 2019 4:13

Instrument :

MSVOA_L

ClientSampleId :

SG-5-20190523-ODL

Tot Ion:114 Resp: 1582833

Ion Ratio Lower Upper

114 100

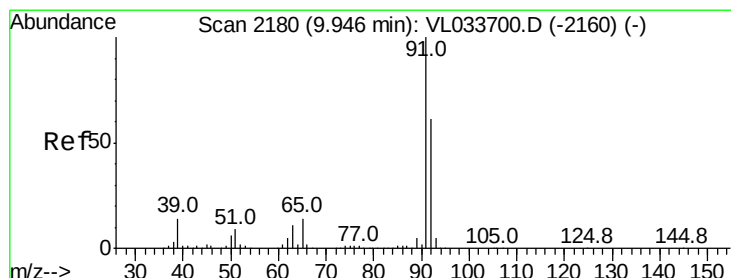
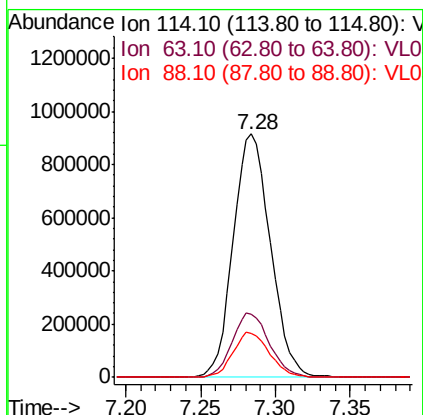
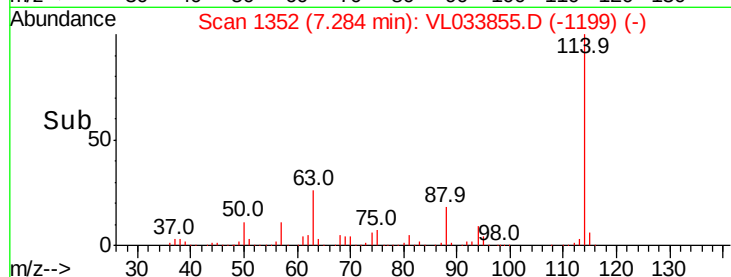
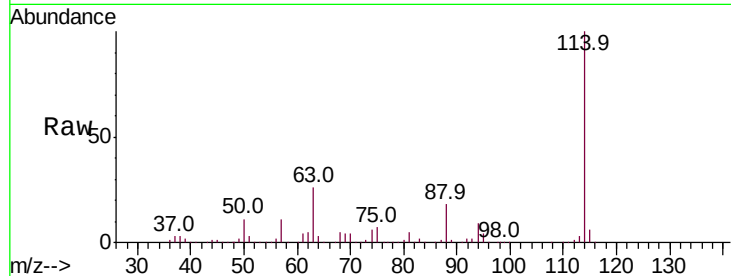
63 26.6 20.9 31.3

88 18.1 14.3 21.5

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#53

Toluene

Concen: 0.129 ppbv m

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033855.D

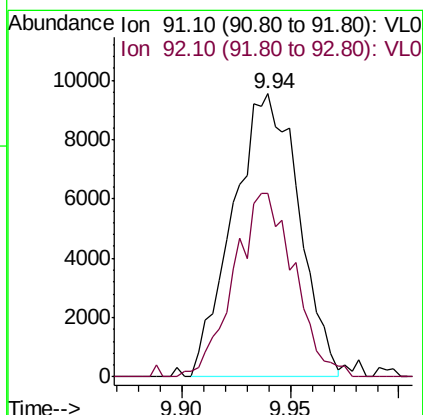
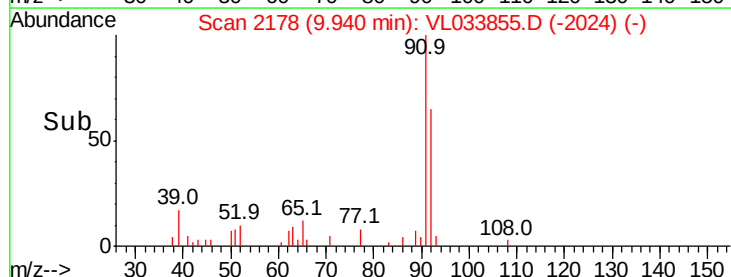
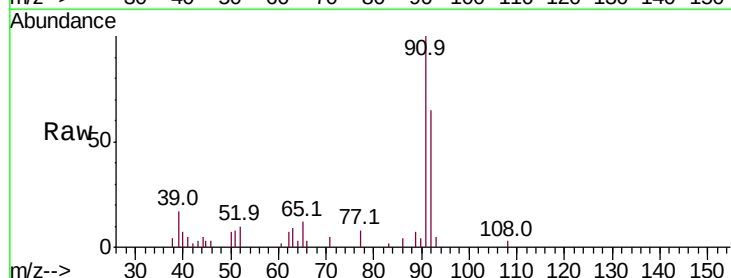
Acq: 30 May 2019 4:13

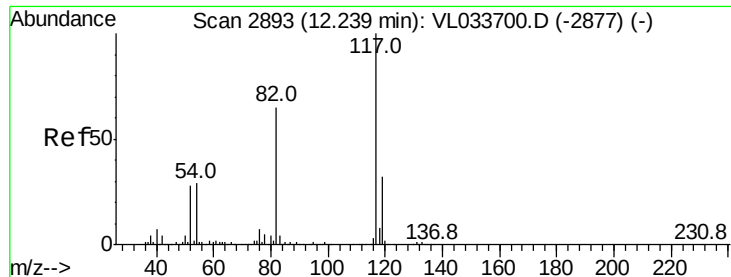
Tgt Ion: 91 Resp: 20077

Ion Ratio Lower Upper

91 100

92 59.7 47.6 71.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL033855.D

Acq: 30 May 2019 4:13

Instrument :

MSVOA_L

ClientSampleId :

SG-5-20190523-0DL

Tot Ion:117 Resp: 1588163

Ion Ratio Lower Upper

117 100

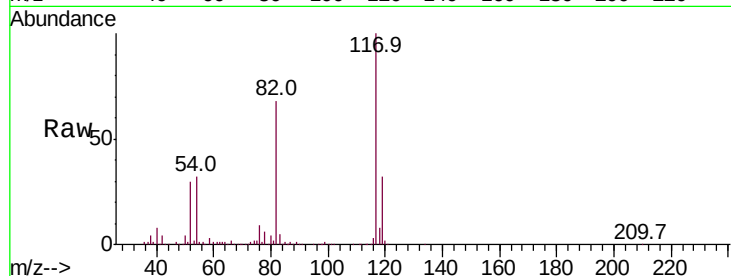
82 68.4 49.4 74.0

119 32.6 24.9 37.3

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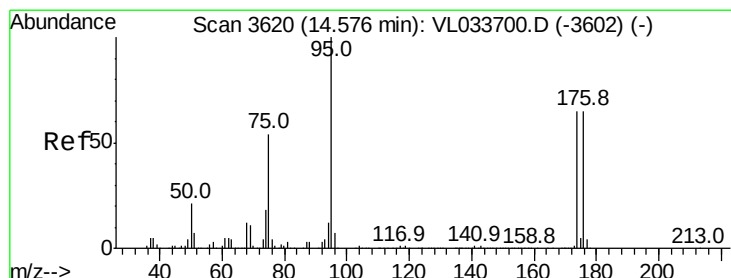
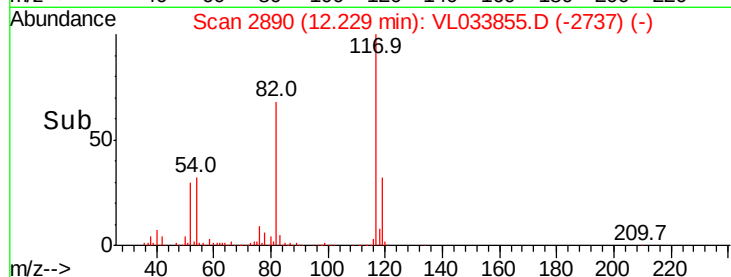
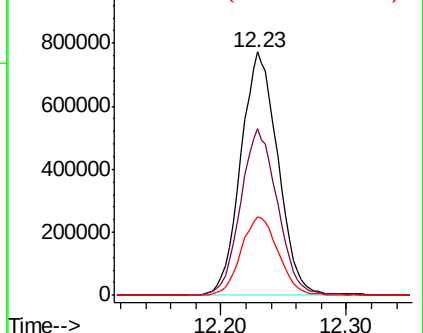
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.936 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033855.D

Acq: 30 May 2019 4:13

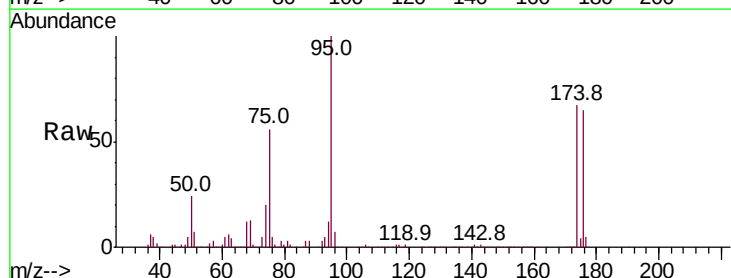
Tgt Ion: 95 Resp: 1279233

Ion Ratio Lower Upper

95 100

174 66.7 53.9 80.9

175 4.6 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

