

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\
 Data File : VL033750.D
 Acq On : 22 May 2019 18:50
 Operator : SY/AP
 Sample : K2929-11DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3003-04DL

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:50:58 AM

Quant Time: May 23 05:25:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 18 05:25:04 2019
 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	878791	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1990978	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.23	117	1988411	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1632757	10.13	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	28648m	2.070	ppbv	
15) Acetone	3.90	43	44084	0.362	ppbv	96
20) Methylene Chloride	4.40	84	16802	0.358	ppbv	93
26) Hexane	5.77	57	9657	0.105	ppbv #	36

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

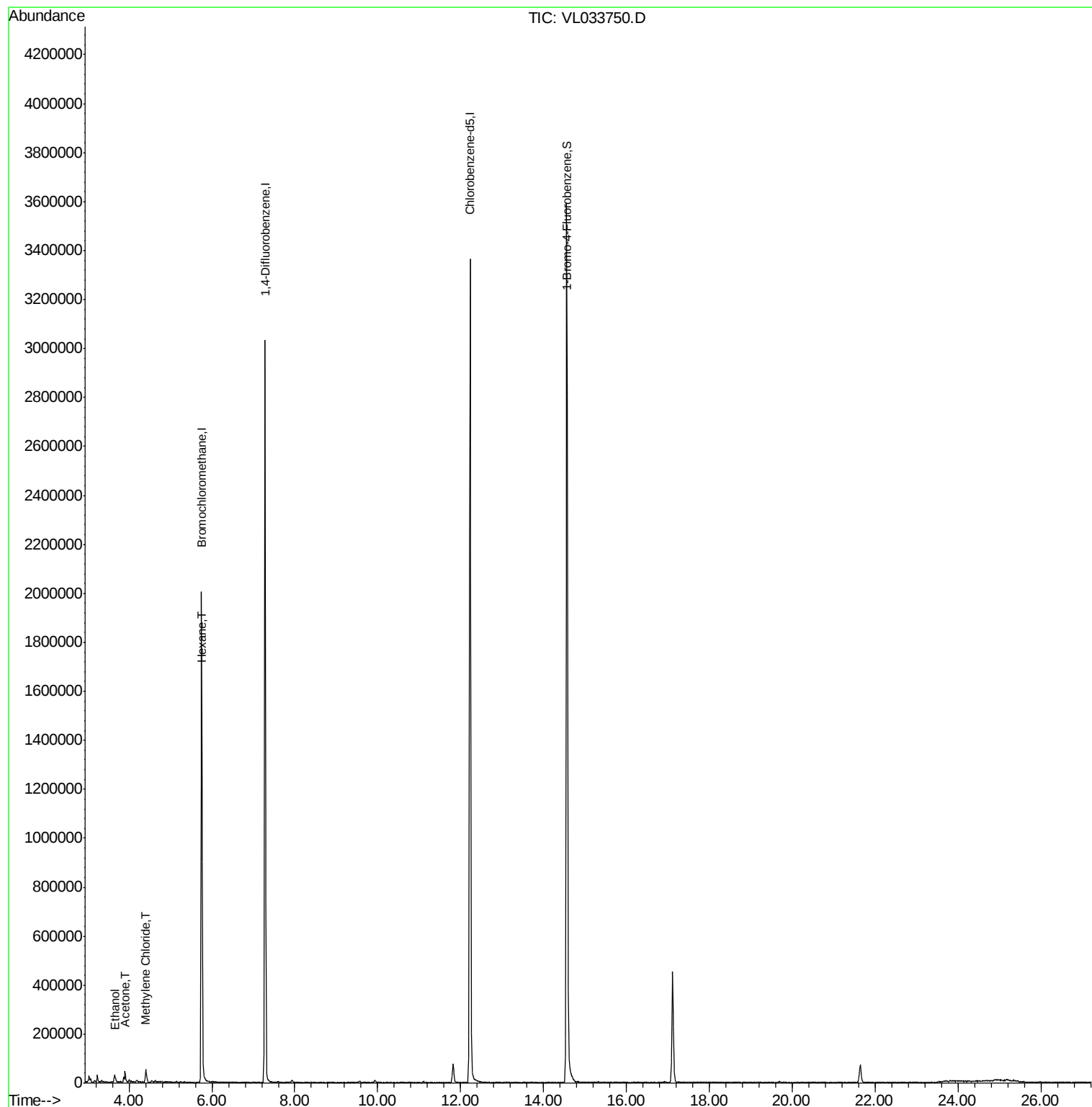
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052219\
Data File : VL033750.D
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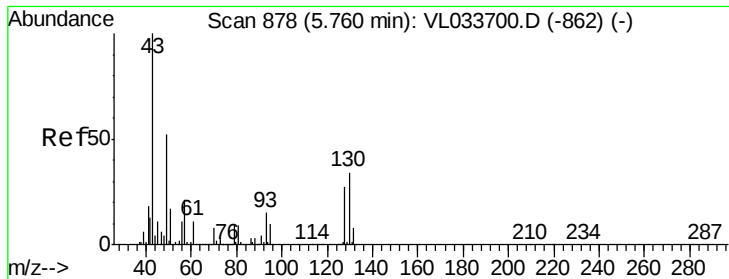
Instrument :
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QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.01 min

Lab File: VL033750.D

Acq: 22 May 2019 18:50

Instrument :

MSVOA_L

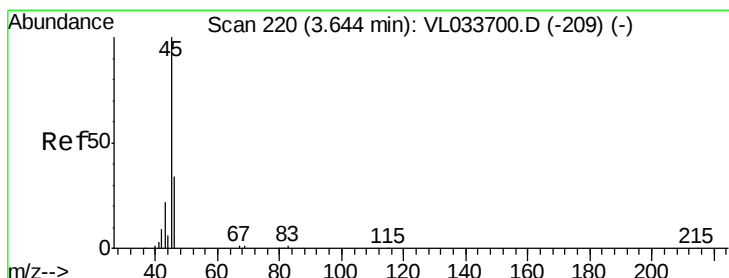
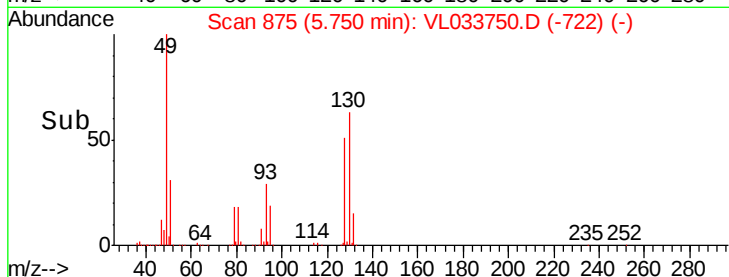
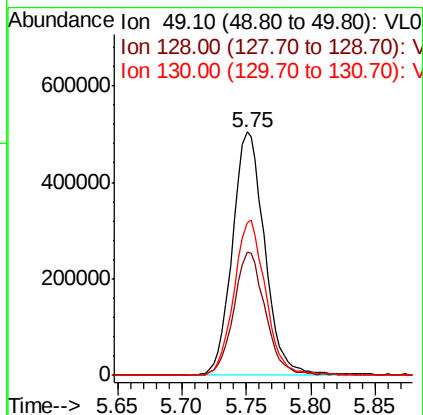
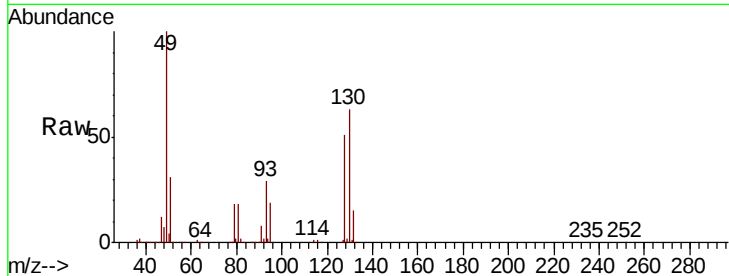
ClientSampleId :

BPS1-ODA-3003-04DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	49.7	25.2	75.6
130	62.9	32.5	97.5

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#13

Ethanol

Concen: 2.070 ppbv m

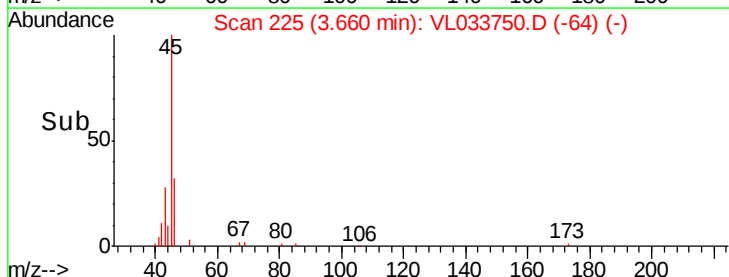
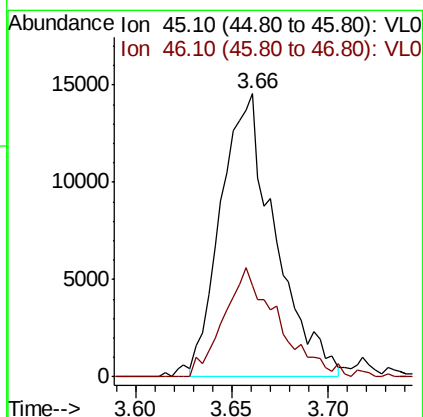
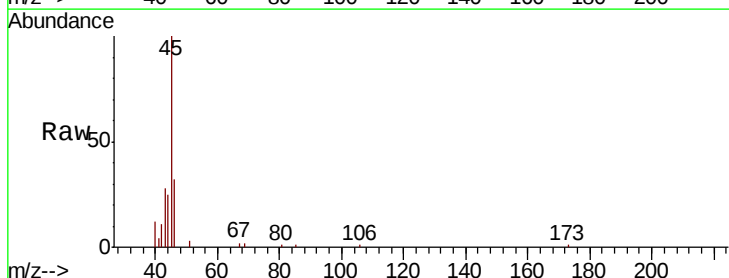
RT: 3.66 min Scan# 225

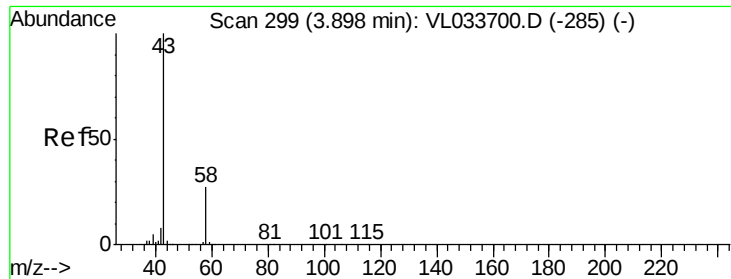
Delta R.T. 0.02 min

Lab File: VL033750.D

Acq: 22 May 2019 18:50

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





#15

Acetone

Concen: 0.362 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033750.D

Acq: 22 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3003-04DL

Tot Ion: 43 Resp: 44084

Ion Ratio Lower Upper

43 100

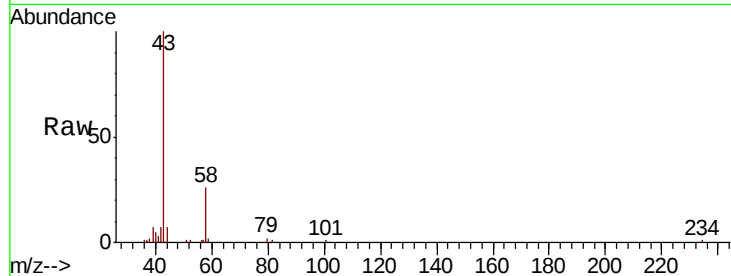
58 28.6 21.3 31.9

Manual Integrations

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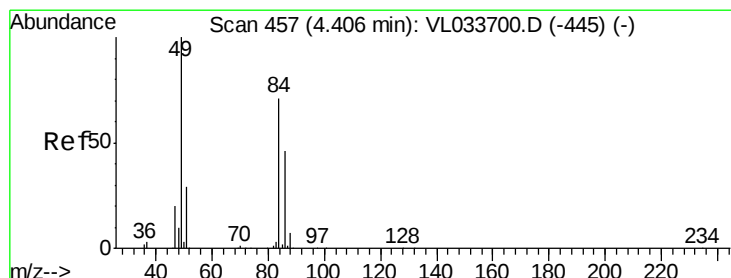
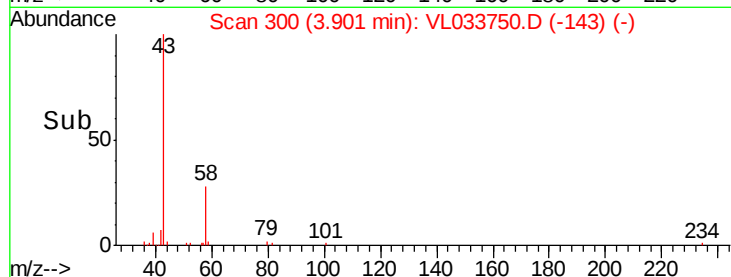
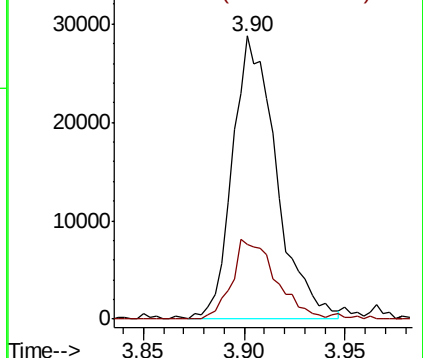
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.358 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033750.D

Acq: 22 May 2019 18:50

Tgt Ion: 84 Resp: 16802

Ion Ratio Lower Upper

84 100

49 152.1 112.8 169.2

51 40.7 33.4 50.0

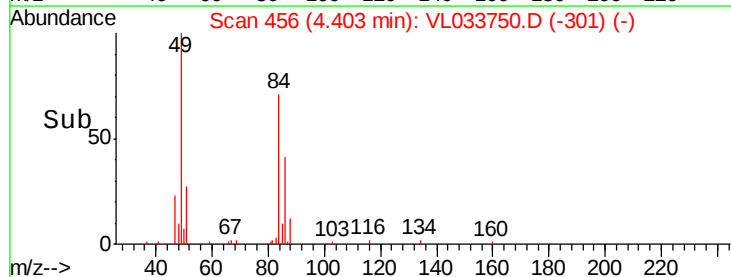
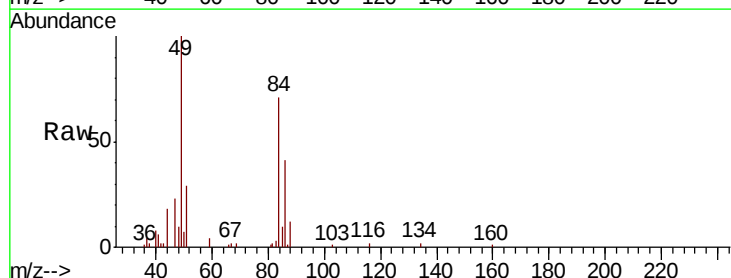
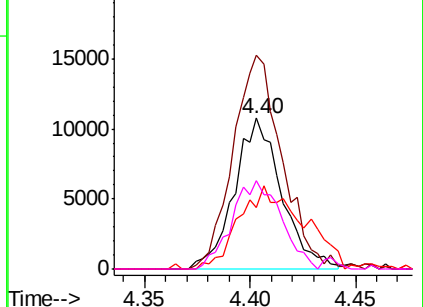
86 58.7 51.7 77.5

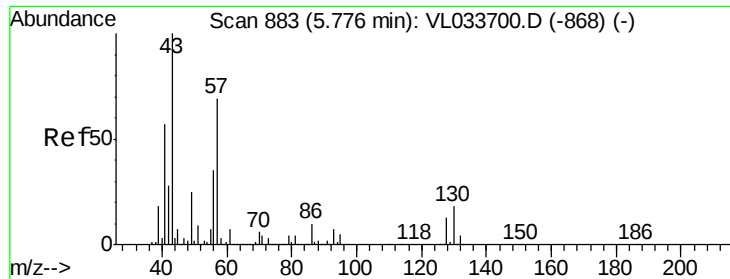
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#26

Hexane

Concen: 0.105 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.01 min

Lab File: VL033750.D

Acq: 22 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3003-04DL

Tot Ion: 57 Resp: 9657
Ion Ratio Lower Upper

57 100

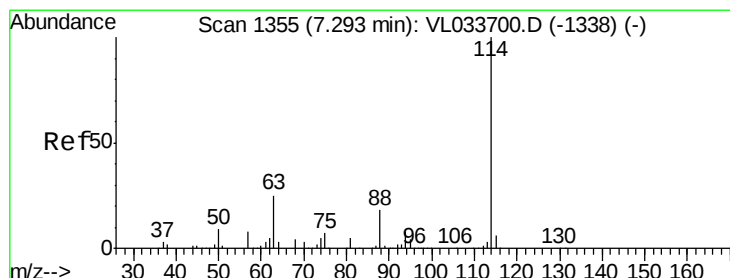
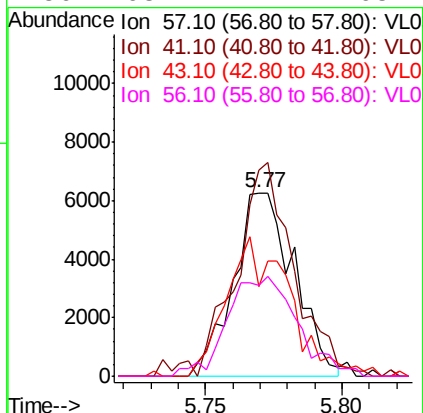
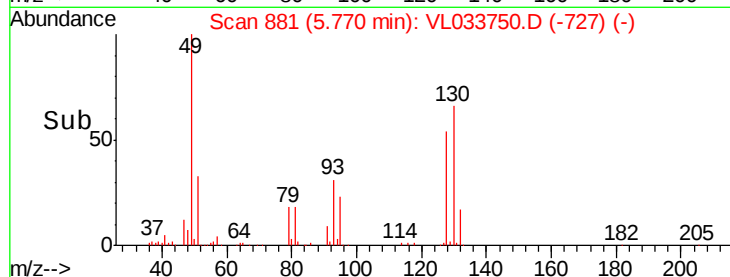
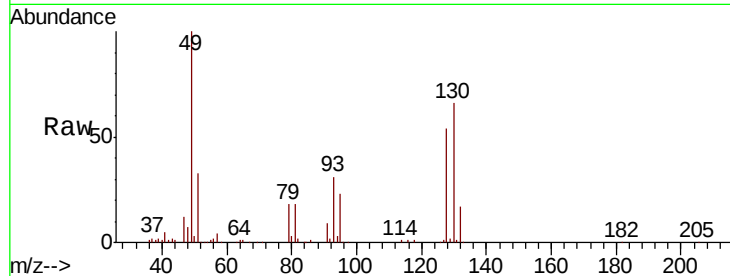
41 112.9 69.8 104.6#

43 79.7 181.8 272.6#

56 63.1 42.1 63.1

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1350

Delta R.T. -0.02 min

Lab File: VL033750.D

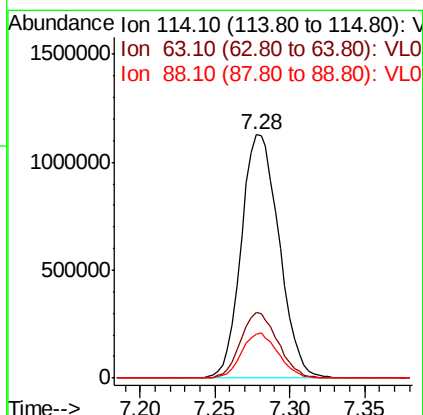
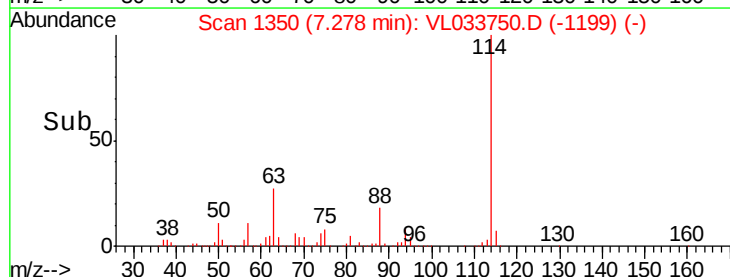
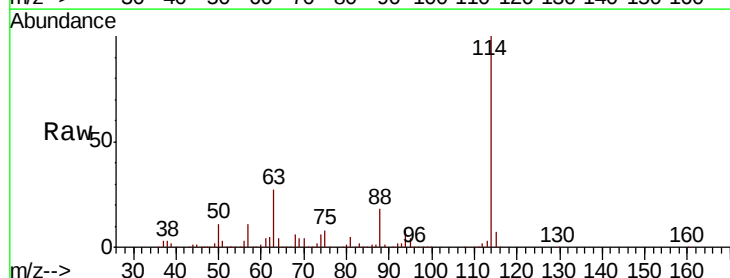
Acq: 22 May 2019 18:50

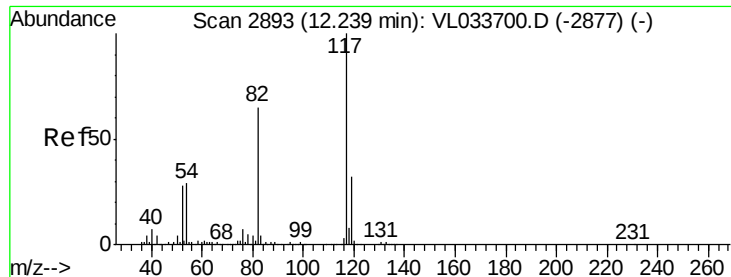
Tgt Ion:114 Resp: 1990978
Ion Ratio Lower Upper

114 100

63 26.6 20.9 31.3

88 17.9 14.3 21.5





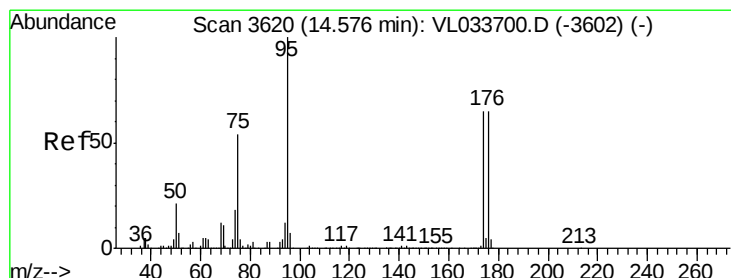
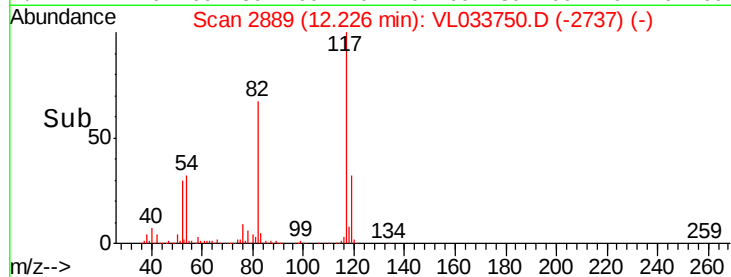
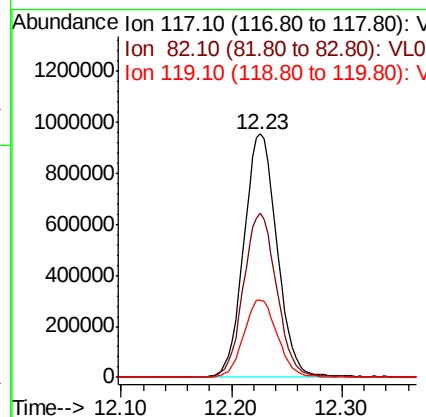
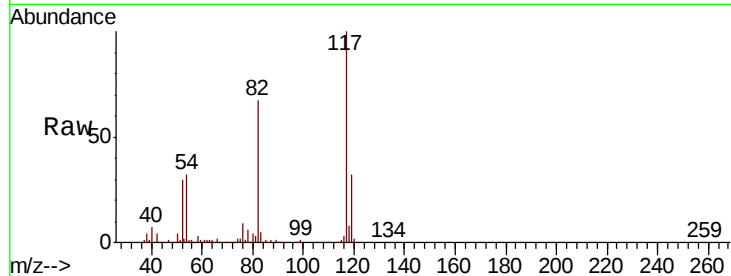
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033750.D
Acq: 22 May 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3003-04DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.8	49.4	74.0
119	32.5	24.9	37.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.129 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL033750.D
Acq: 22 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.6	53.9	80.9
175	4.7	3.8	5.8

