

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036583.D
 Acq On : 30 Mar 2021 23:45
 Operator : SY/AP
 Sample : M1797-08DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-10(2021)DL

Manual Integrations
 APPROVED

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 4/1/2021 10:59:36 AM

Quant Time: Mar 31 21:33:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1343705	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3185271	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2755846	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2227605	10.14	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	154597m	16.221	ppbv	
15) Acetone	3.83	43	831992	6.291	ppbv	98
20) Methylene Chloride	4.33	84	253335	4.091	ppbv	98
26) Hexane	5.67	57	500699	3.432	ppbv #	47

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

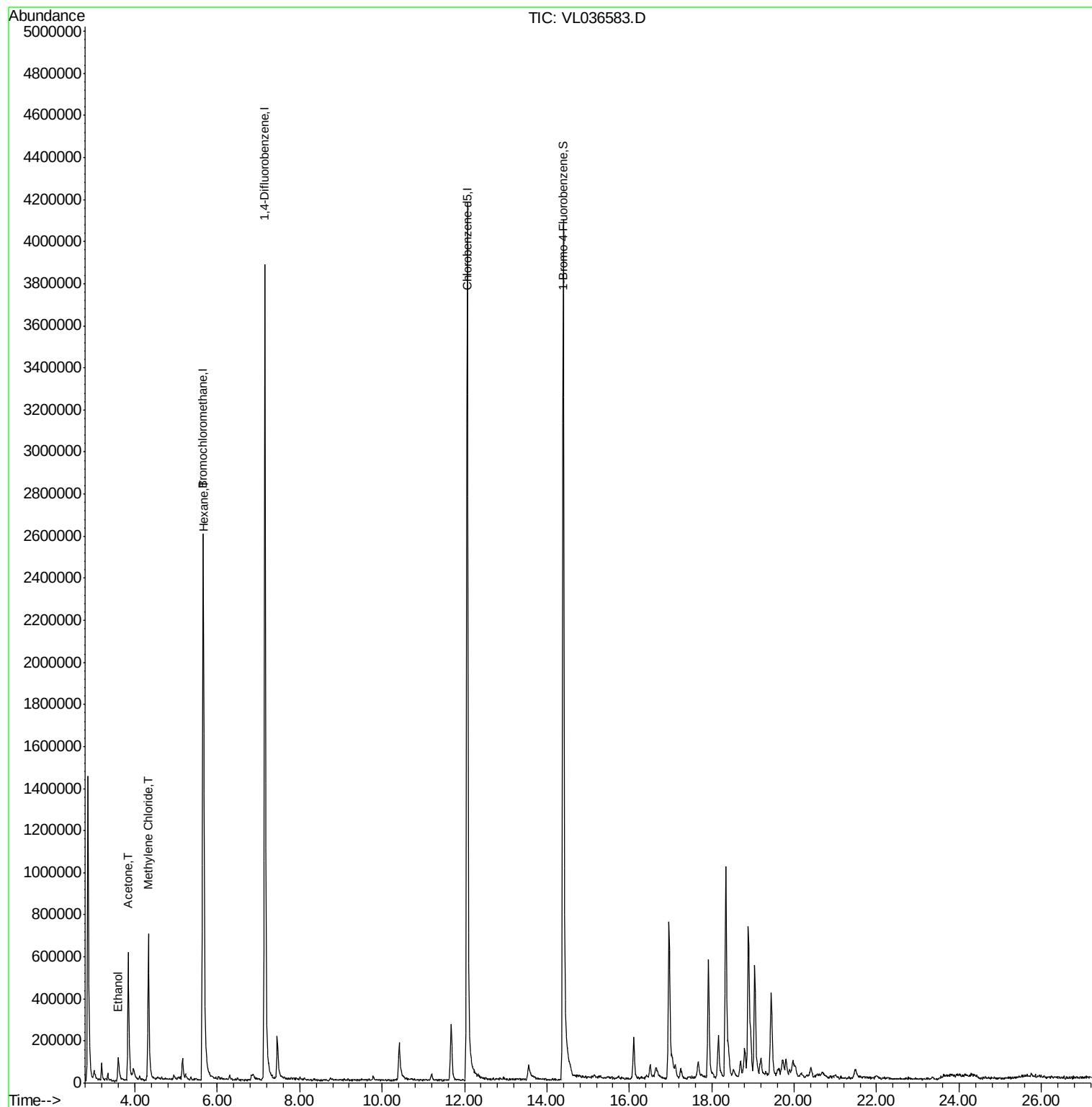
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Data File : VL036583.D
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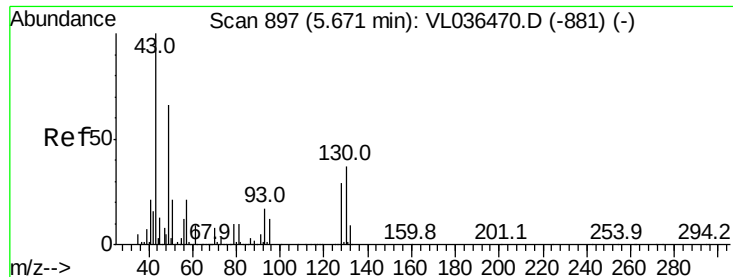
Instrument :
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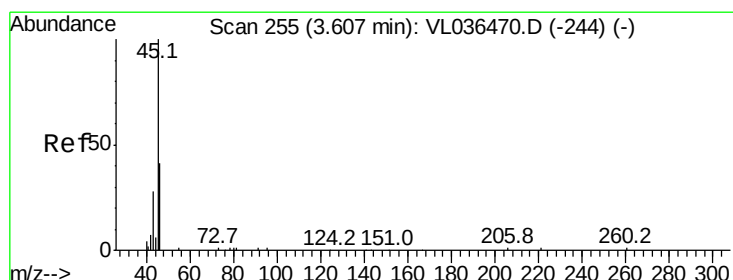
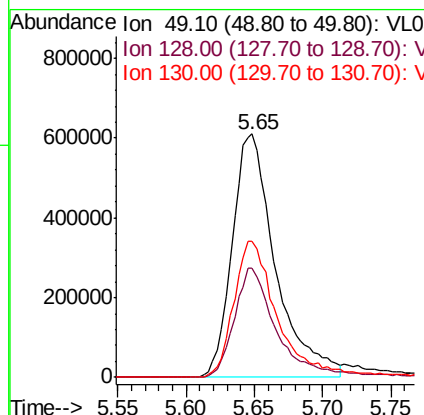
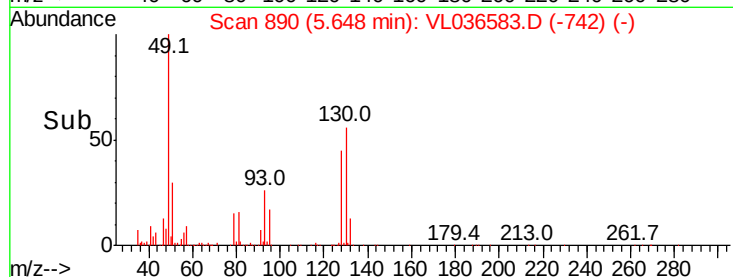
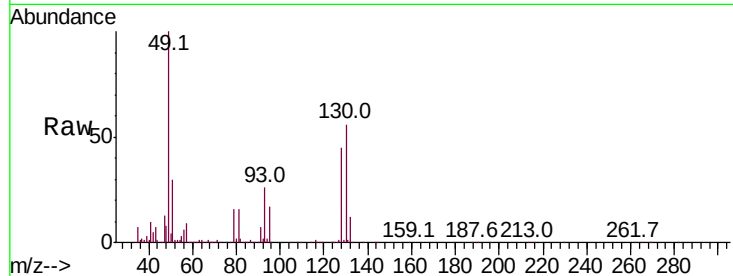
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL036583.D
Acq: 30 Mar 2021 23:45

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-10(2021)DL

Tot Ion: 49 Resp: 1343705
Ion Ratio Lower Upper
49 100
128 45.0 23.5 70.6
130 58.6 29.1 87.4

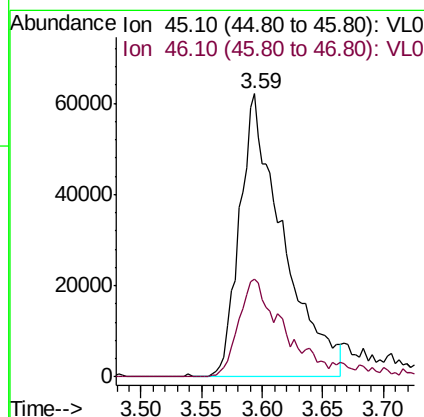
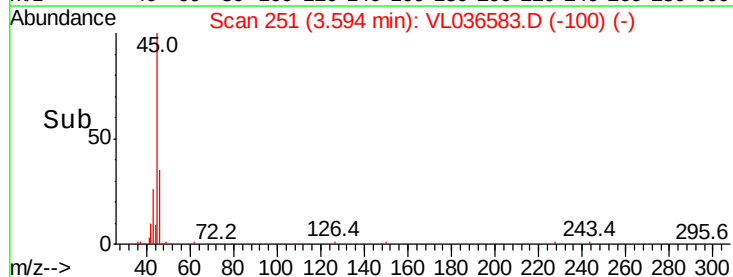
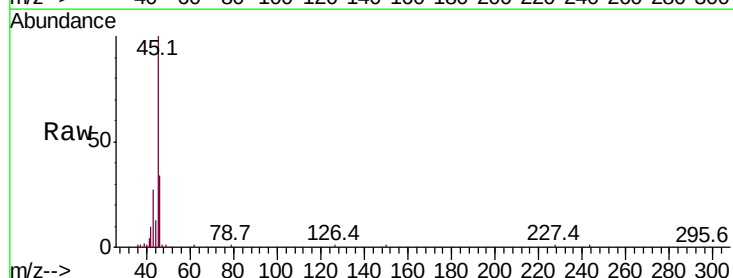
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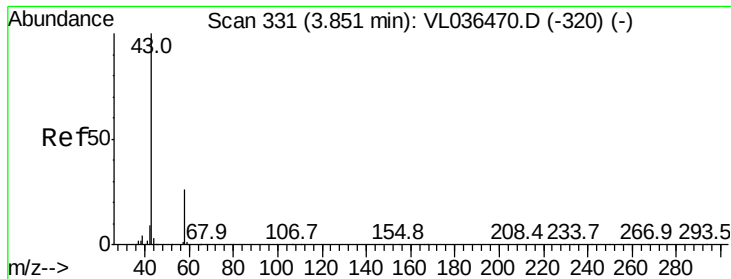
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#13
Ethanol
Concen: 16.221 ppbv m
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL036583.D
Acq: 30 Mar 2021 23:45

Tgt Ion: 45 Resp: 154597
Ion Ratio Lower Upper
45 100
46 39.4 16.6 66.2





#15

Acetone

Concen: 6.291 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL036583.D

Acq: 30 Mar 2021 23:45

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-10(2021)DL

Tot Ion: 43 Resp: 831992

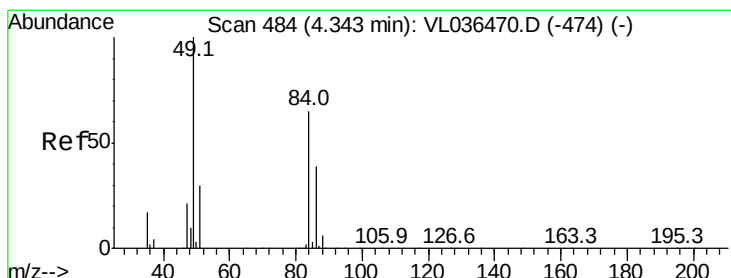
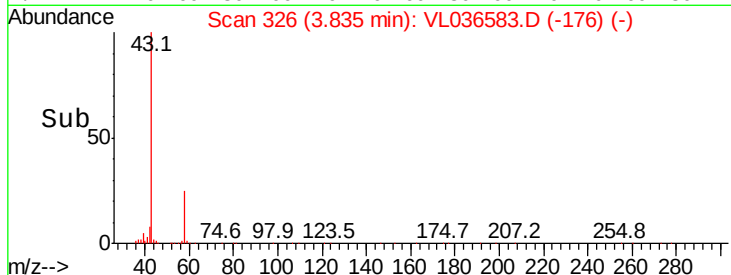
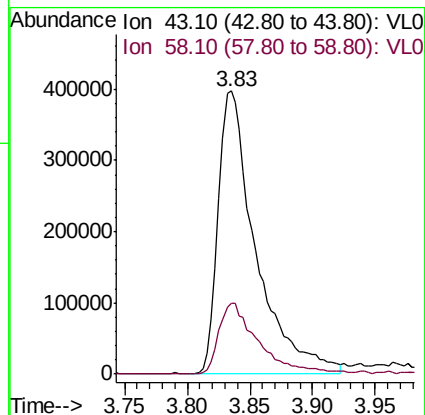
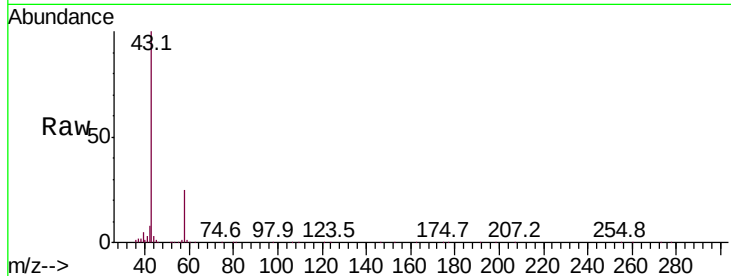
Ion Ratio Lower Upper

43 100

58 27.6 21.2 31.8

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#20

Methylene Chloride

Concen: 4.091 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL036583.D

Acq: 30 Mar 2021 23:45

Tgt Ion: 84 Resp: 253335

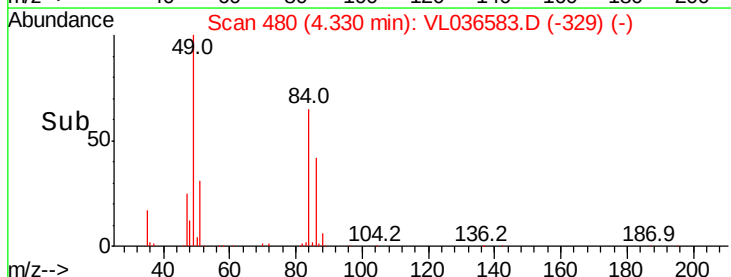
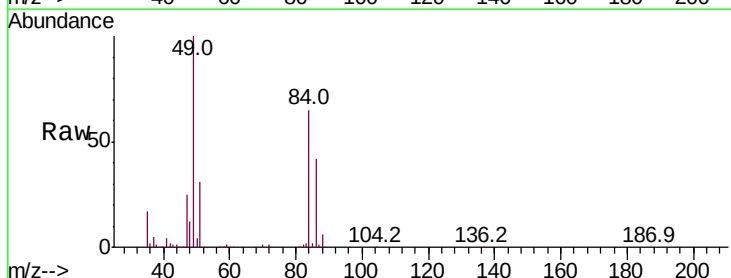
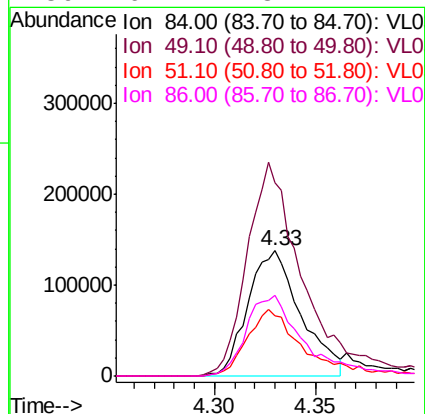
Ion Ratio Lower Upper

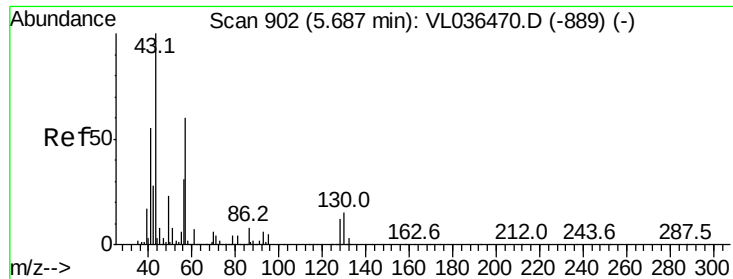
84 100

49 154.7 122.9 184.3

51 48.3 36.9 55.3

86 64.2 48.2 72.4





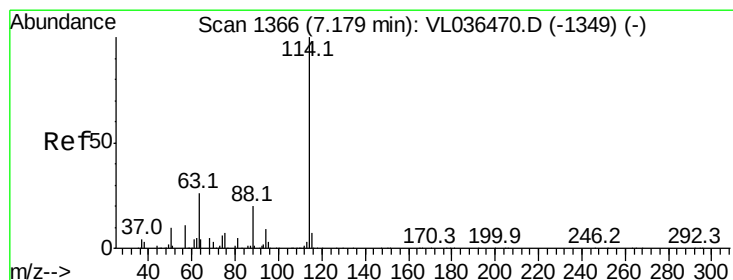
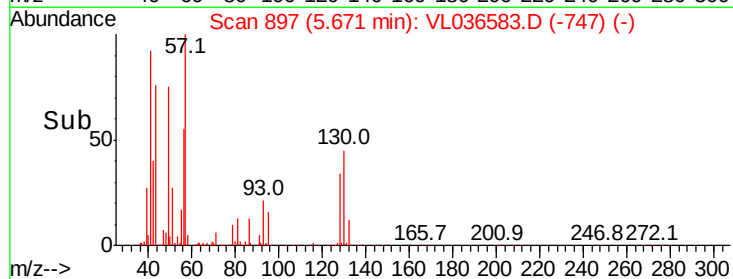
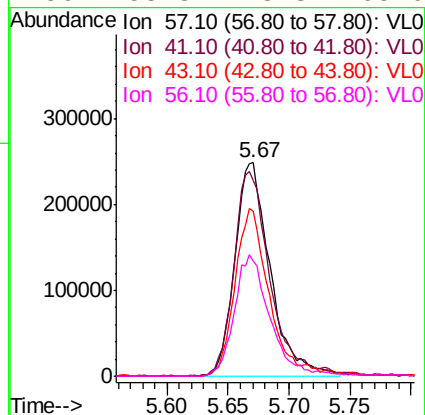
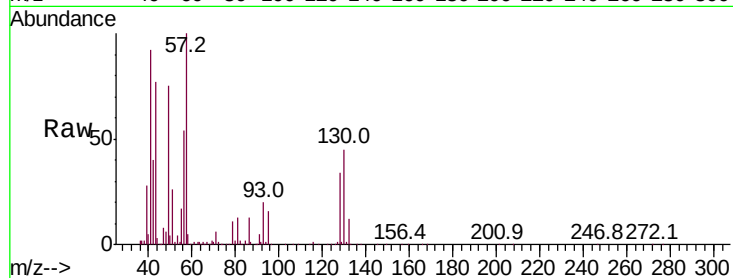
#26
Hexane
Concen: 3.432 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036583.D
Acq: 30 Mar 2021 23:45

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-10(2021)DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	99.2	77.2	115.8
43	77.0	173.8	260.6#
56	58.3	43.8	65.6

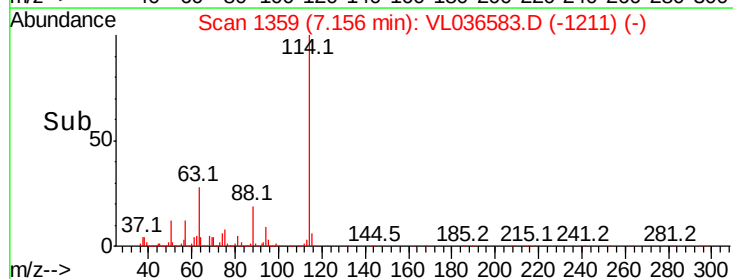
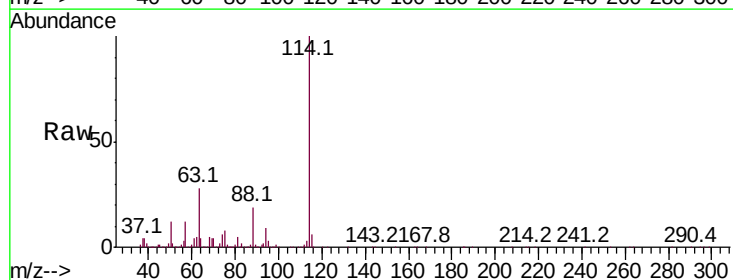
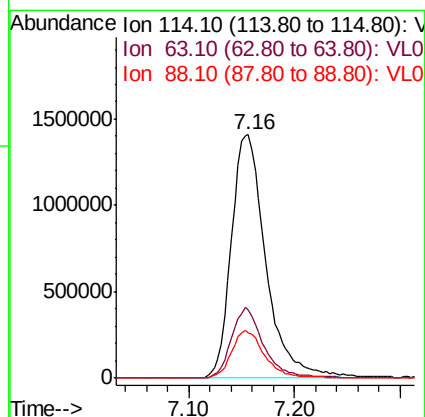
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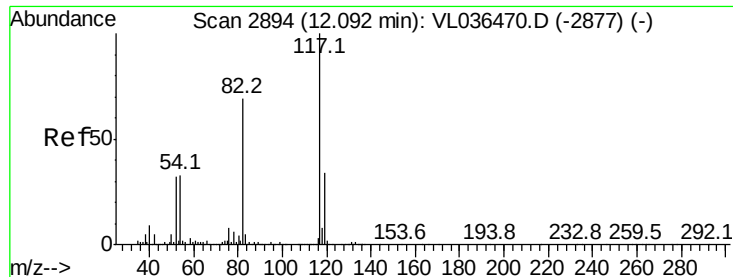
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VL036583.D
Acq: 30 Mar 2021 23:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.7	22.4	33.6
88	19.1	15.4	23.0





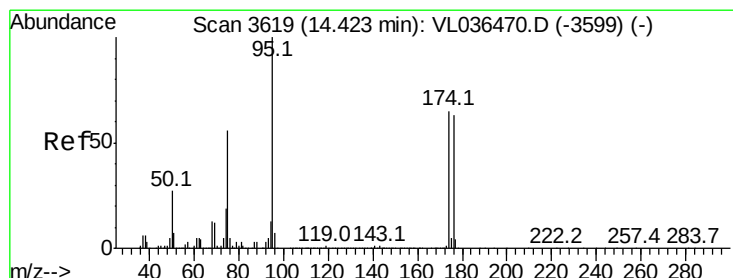
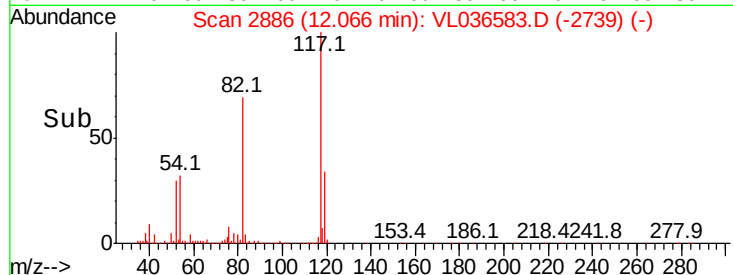
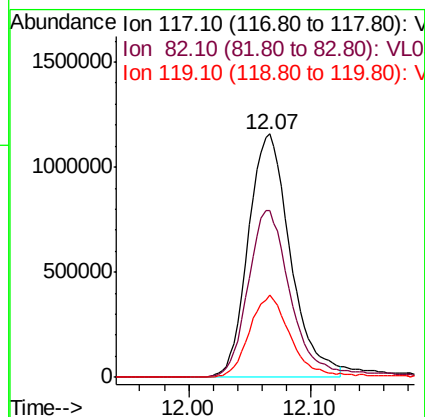
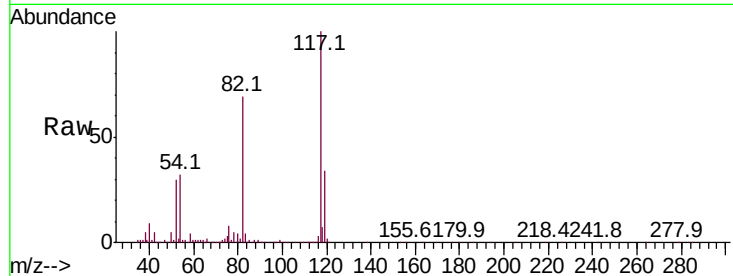
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL036583.D
Acq: 30 Mar 2021 23:45

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-10(2021)DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.3	57.4	86.0
119	34.6	47.4	71.0#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.142 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.03 min
Lab File: VL036583.D
Acq: 30 Mar 2021 23:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.9	51.0	76.6
175	4.7	3.9	5.9

