

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036587.D
 Acq On : 31 Mar 2021 2:52
 Operator : SY/AP
 Sample : M1797-10DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-13(2021)DUPDL

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 10:59:50 AM

Quant Time: Mar 31 21:51:33 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	1259360	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2984108	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2670473	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.40	95	2041158	9.59	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	181323m	20.299	ppbv	
15) Acetone	3.84	43	207154	1.671	ppbv #	76
20) Methylene Chloride	4.33	84	219235	3.778	ppbv	98
26) Hexane	5.67	57	402679	2.945	ppbv #	47

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

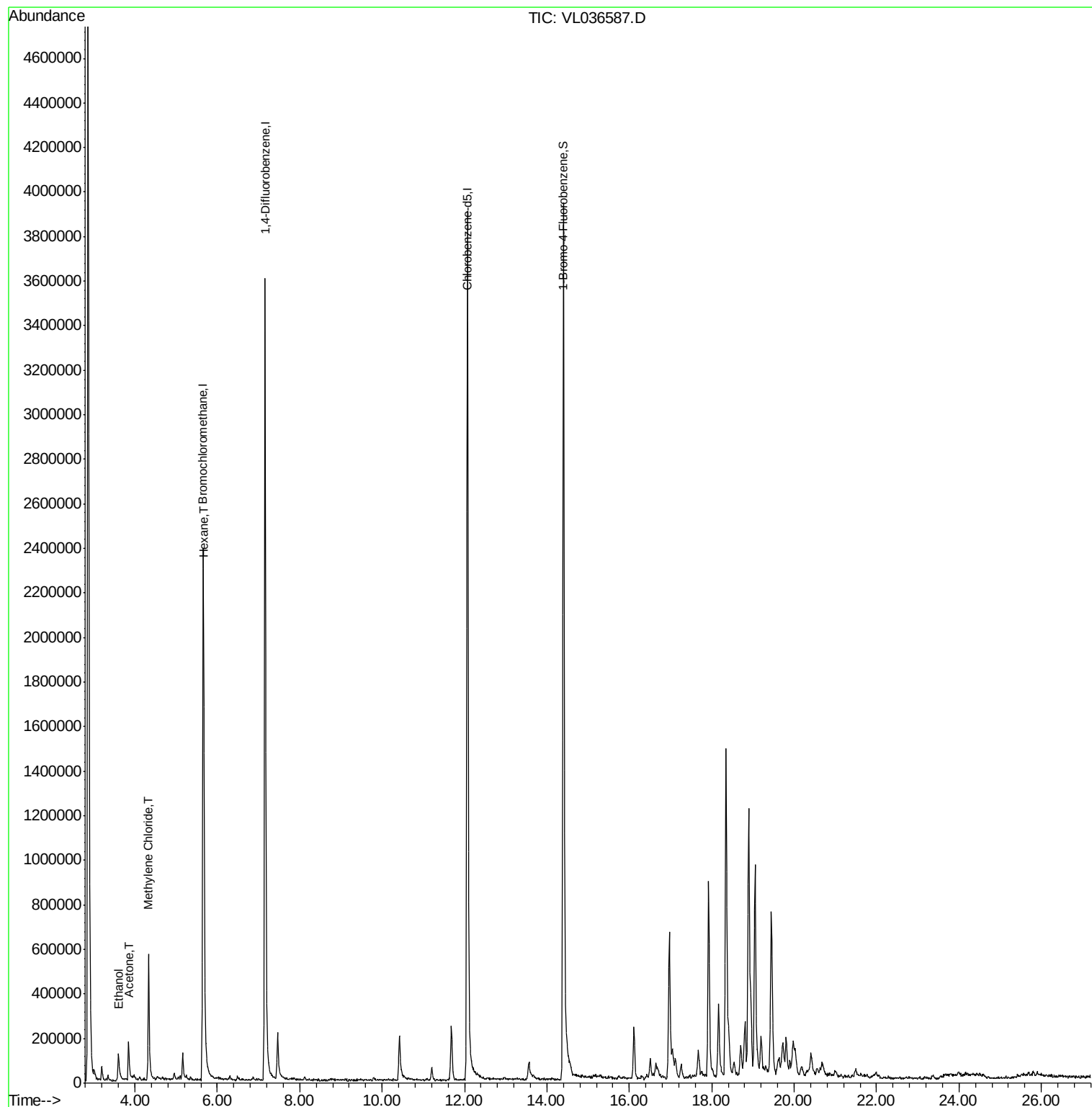
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033021\
Data File : VL036587.D
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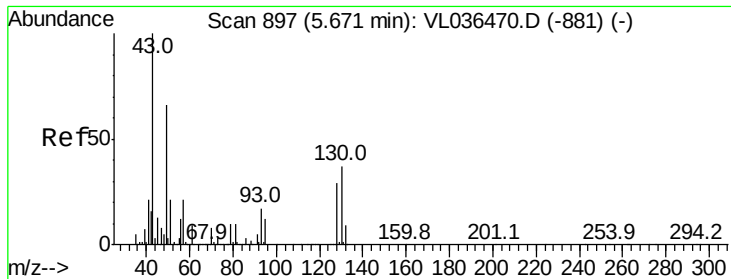
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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL036587.D

Acq: 31 Mar 2021 2:52

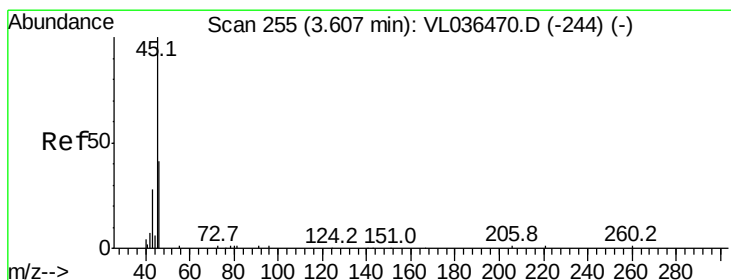
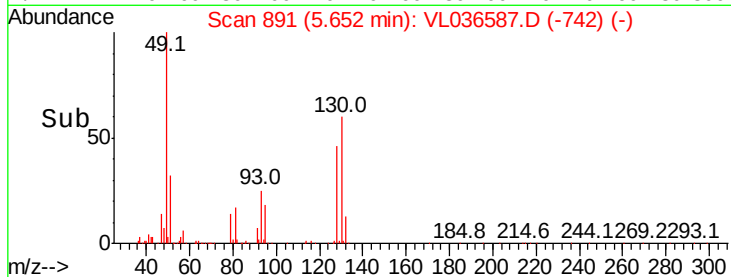
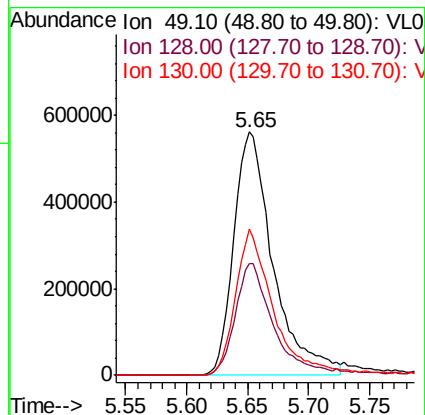
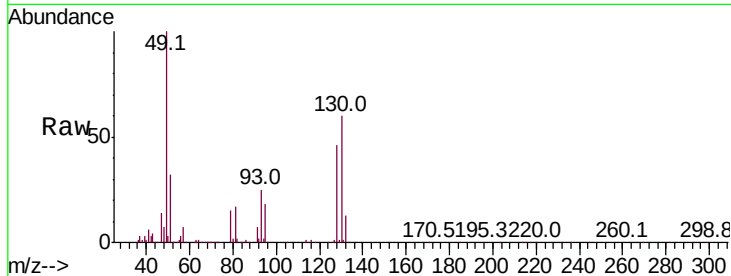
Instrument :
MSVOA_L
ClientSampleId :
MF-SG-13(2021)DUPDL

Tot Ion: 49 Resp: 1259360

Ion	Ratio	Lower	Upper
49	100		
128	46.8	23.5	70.6
130	59.3	29.1	87.4

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#13

Ethanol

Concen: 20.299 ppbv m

RT: 3.60 min Scan# 253

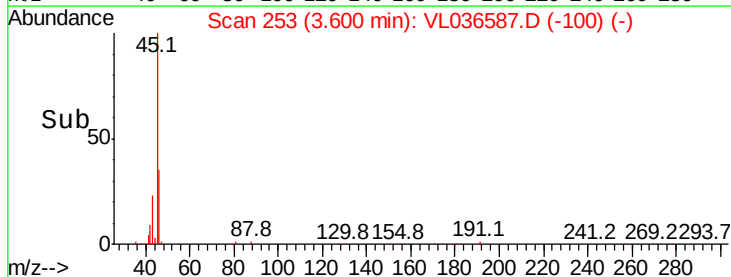
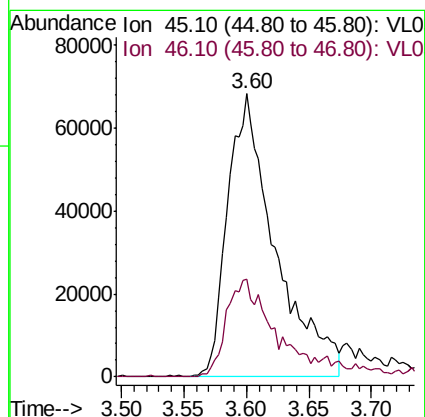
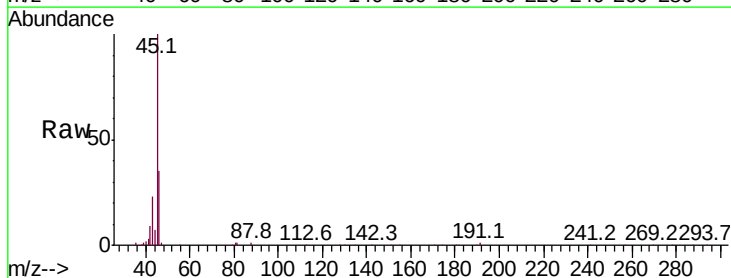
Delta R.T. -0.01 min

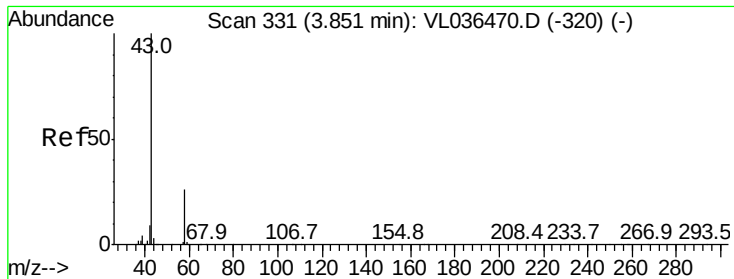
Lab File: VL036587.D

Acq: 31 Mar 2021 2:52

Tgt Ion: 45 Resp: 181323

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.6	66.2





#15

Acetone

Concen: 1.671 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL036587.D

Acq: 31 Mar 2021 2:52

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-13(2021)DUPDL

Tot Ion: 43 Resp: 207154

Ion Ratio Lower Upper

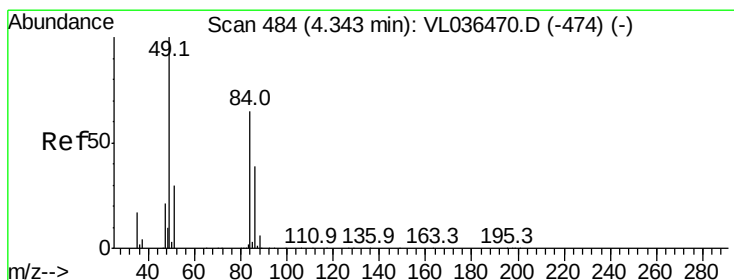
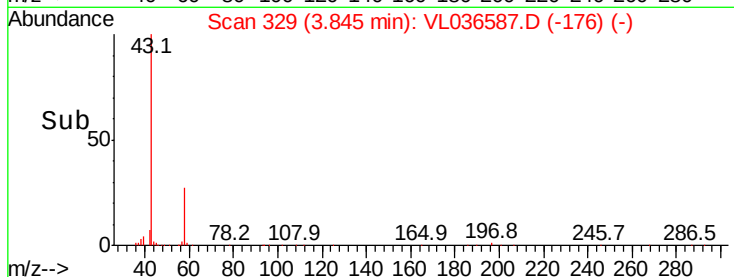
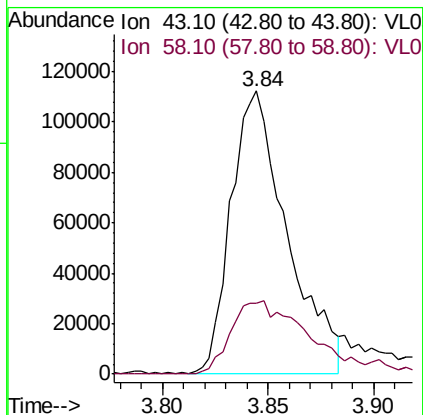
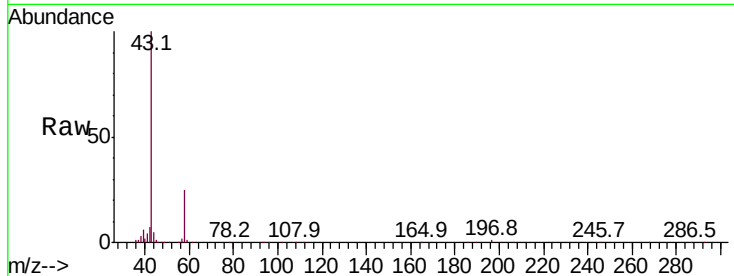
43 100

58 38.6 21.2 31.8#

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#20

Methylene Chloride

Concen: 3.778 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036587.D

Acq: 31 Mar 2021 2:52

Tgt Ion: 84 Resp: 219235

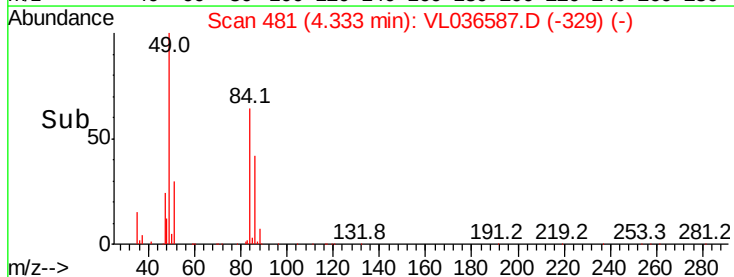
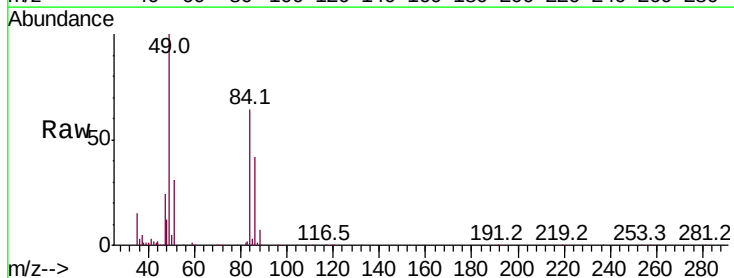
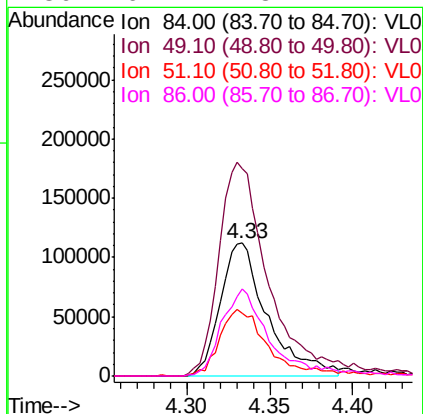
Ion Ratio Lower Upper

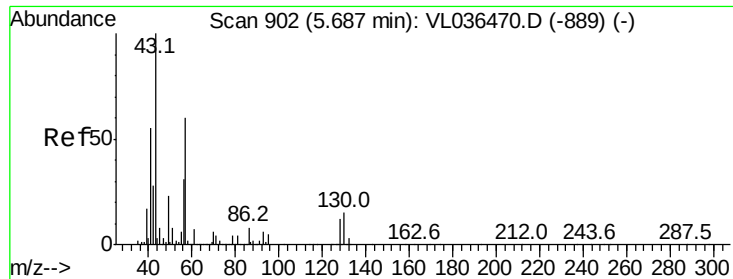
84 100

49 154.3 122.9 184.3

51 46.7 36.9 55.3

86 64.1 48.2 72.4





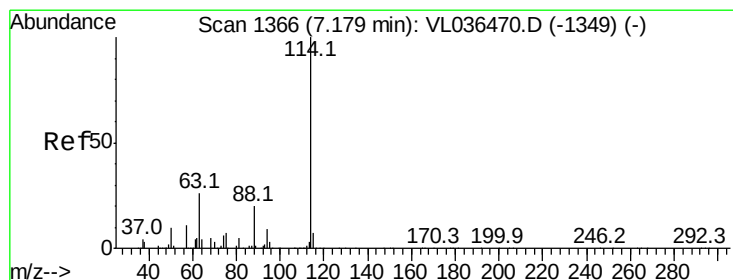
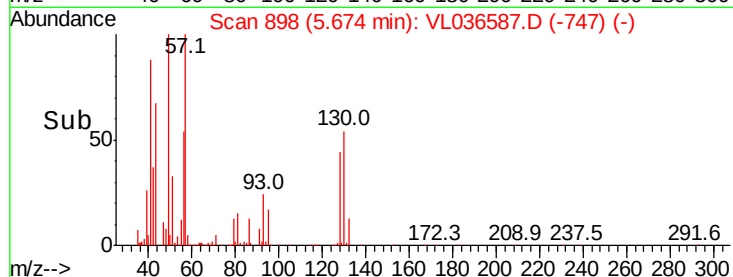
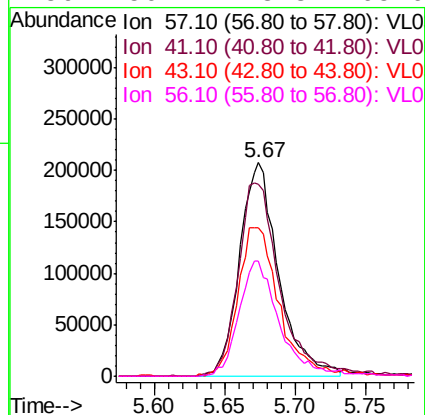
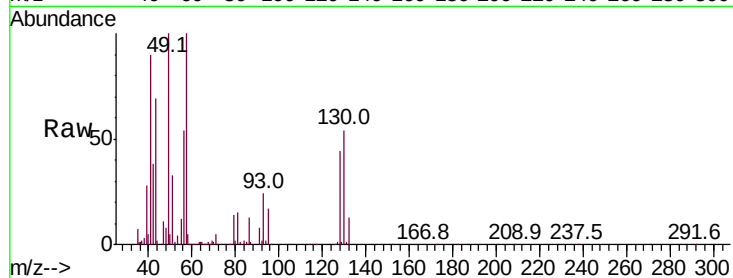
#26
Hexane
Concen: 2.945 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036587.D
Acq: 31 Mar 2021 2:52

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-13(2021)DUPDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	98.2	77.2	115.8
43	76.2	173.8	260.6#
56	56.7	43.8	65.6

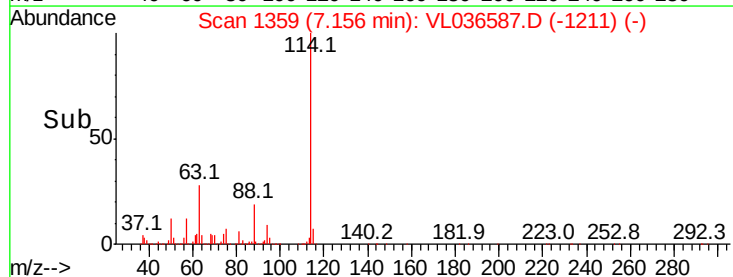
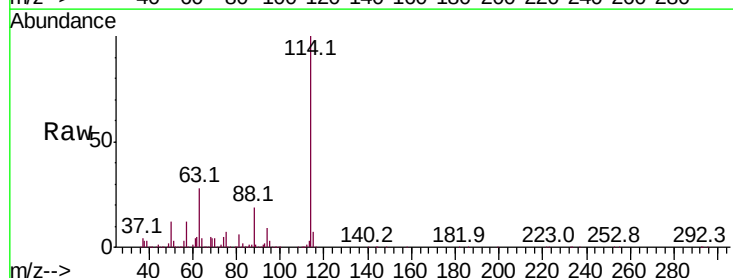
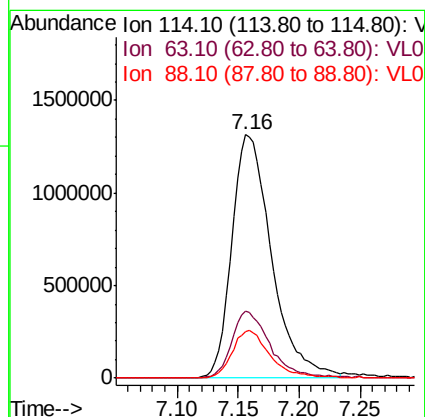
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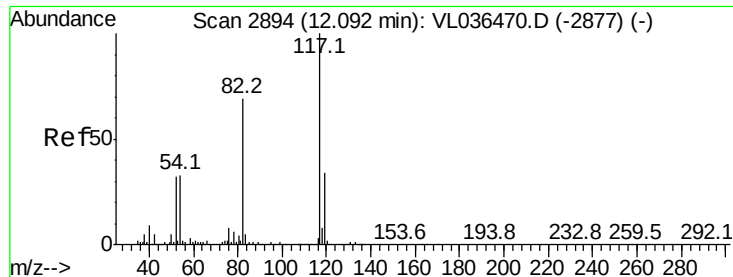
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4/1/2021 10:59:50 AM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VL036587.D
Acq: 31 Mar 2021 2:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.4	33.6
88	18.9	15.4	23.0





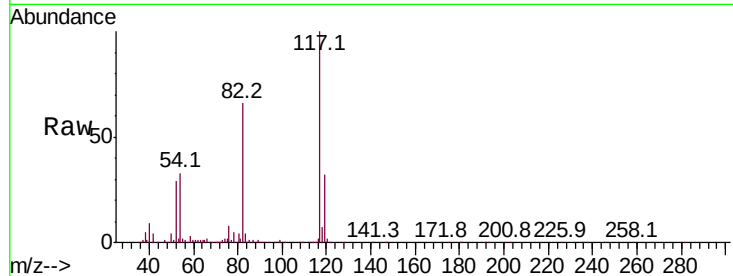
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL036587.D
Acq: 31 Mar 2021 2:52

Instrument :
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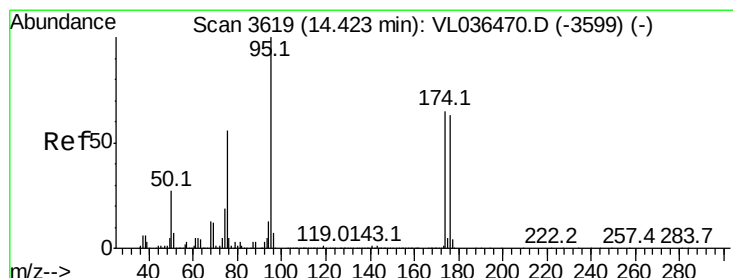
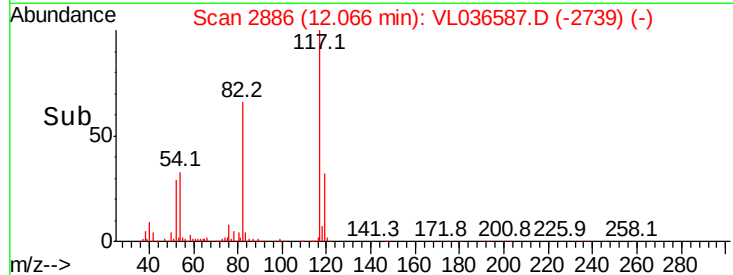
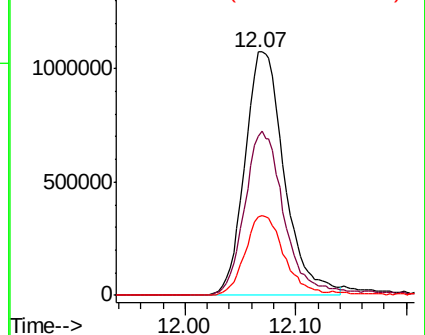
Tot Ion	Ratio	Lower	Upper
117	100		
82	70.0	57.4	86.0
119	33.6	47.4	71.0

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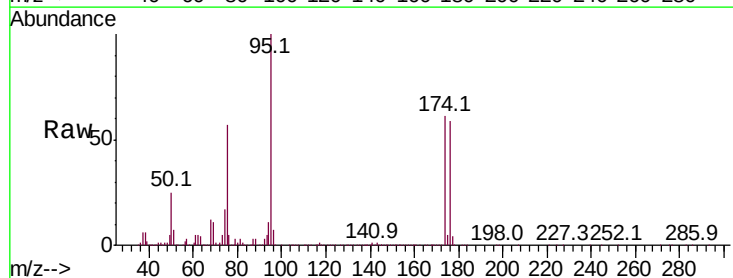


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.590 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.02 min
Lab File: VL036587.D
Acq: 31 Mar 2021 2:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.4	51.0	76.6
175	5.2	3.9	5.9



Abundance Ion 95.10 (94.80 to 95.80): V
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

