

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL033121\
 Data File : VL036595.D
 Acq On : 31 Mar 2021 10:19
 Operator : SY/AP
 Sample : M1797-05DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-06(2021)DL

Manual Integrations
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 4/2/2021 6:52:02 PM

Quant Time: Apr 01 22:18:36 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	5.66	49	1721718	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4173559	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3656471	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2890704	9.92	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	37396	0.116	ppbv	# 84
9) Propene	3.02	41	18144m	0.177	ppbv	
13) Ethanol	3.60	45	921047	75.421	ppbv	92
15) Acetone	3.84	43	1327147	7.832	ppbv	98
17) tert-Butyl alcohol	4.30	59	30679m	0.208	ppbv	
19) Isopropyl Alcohol	3.97	45	540129m	5.794	ppbv	
20) Methylene Chloride	4.34	84	62892	0.793	ppbv	89
52) Tetrachloroethene	11.22	164	6585m	0.046	ppbv	

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

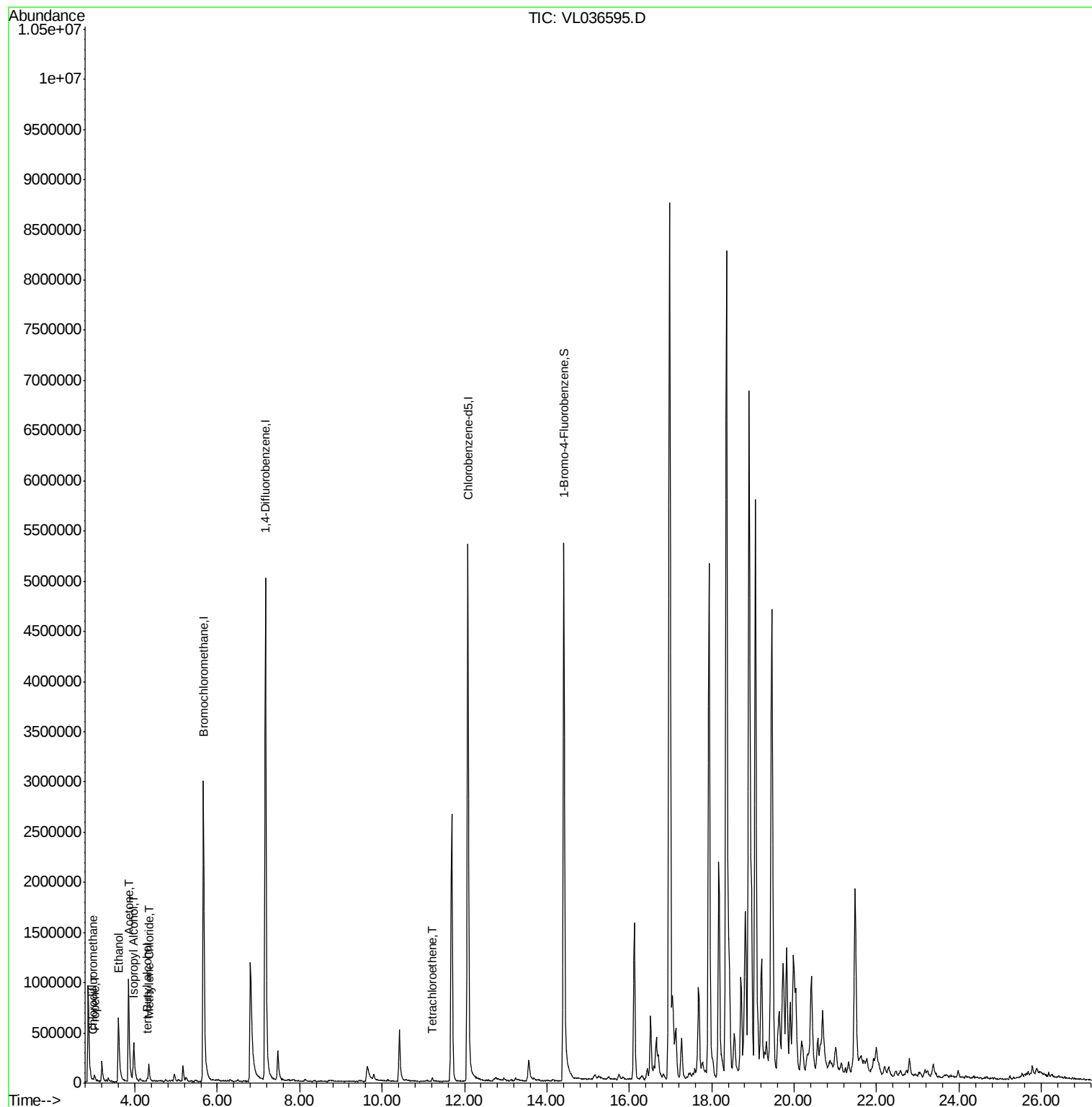
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL033121\
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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-06(2021)DL

Tot Ion: 49 Resp: 1721718

Ion Ratio Lower Upper

49 100

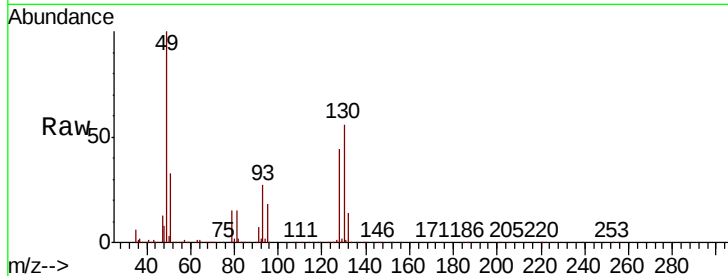
128 46.3 23.5 70.6

130 57.2 29.1 87.4

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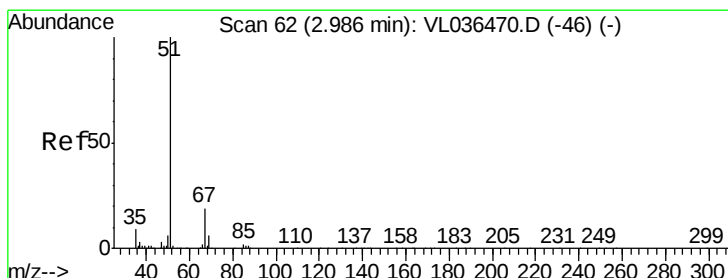
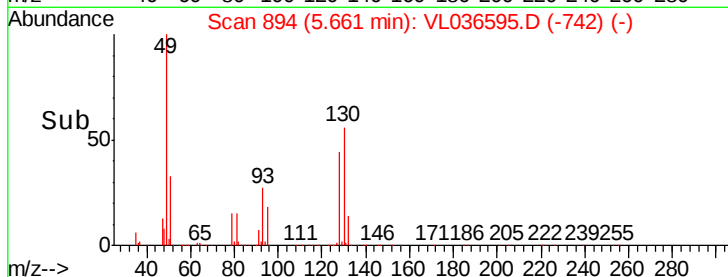
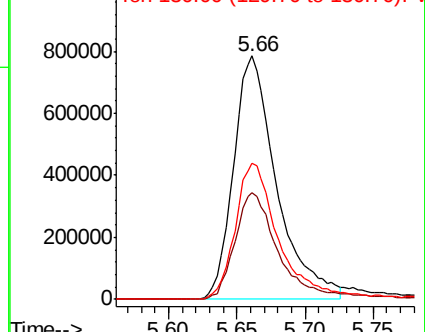


Abundance

Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.116 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036595.D

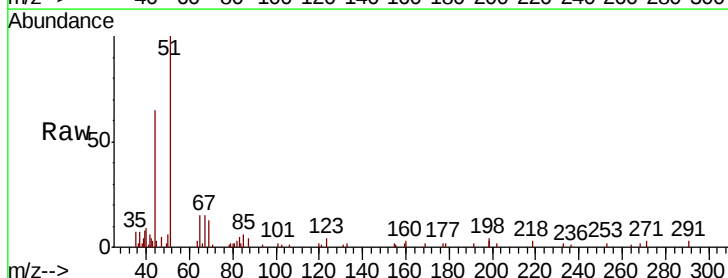
Acq: 31 Mar 2021 10:19

Tgt Ion: 51 Resp: 37396

Ion Ratio Lower Upper

51 100

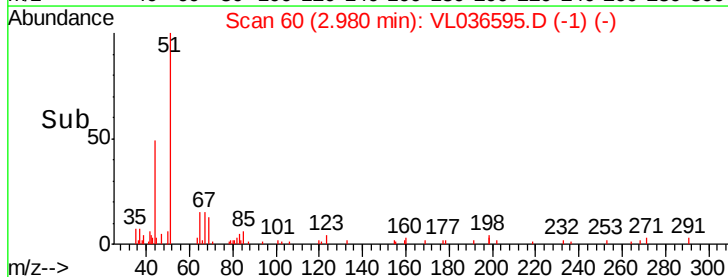
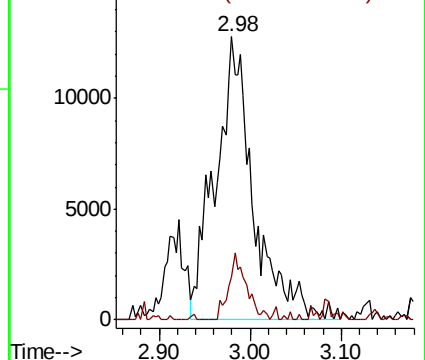
67 11.3 14.7 22.1#

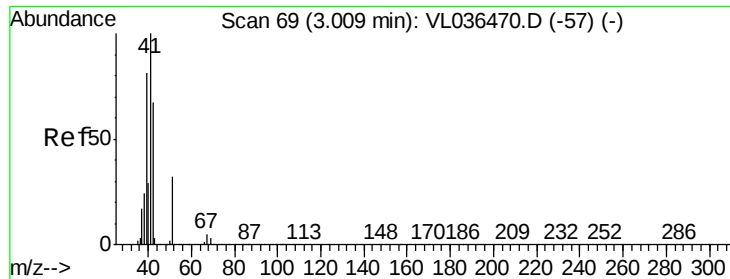


Abundance

Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





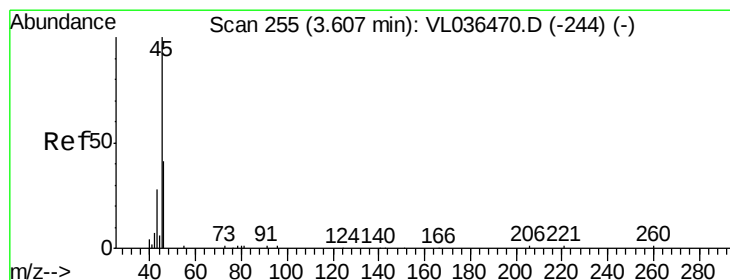
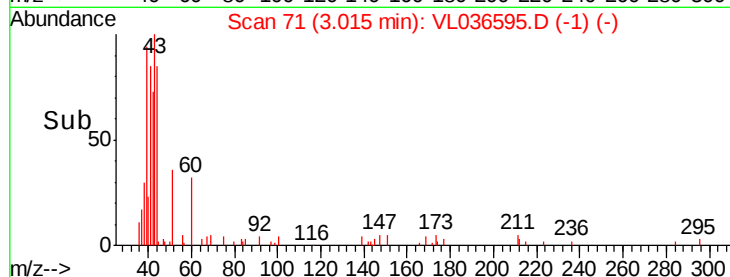
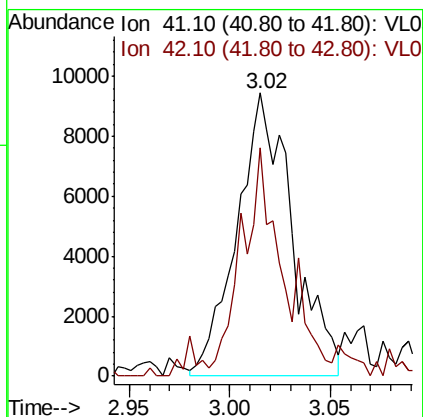
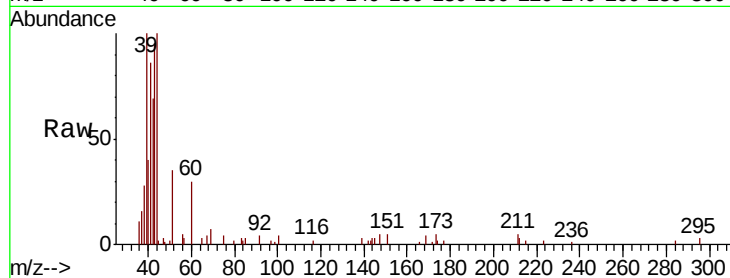
#9
Propene
Concen: 0.177 ppbv m
RT: 3.02 min Scan# 71
Delta R.T. 0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-06(2021)DL

Tot Ion: 41 Resp: 18144
Ion Ratio Lower Upper
41 100
42 67.5 57.0 85.4

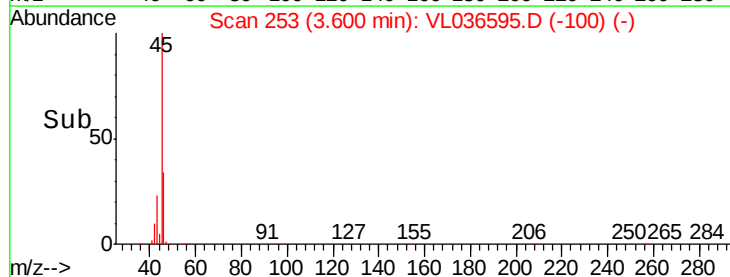
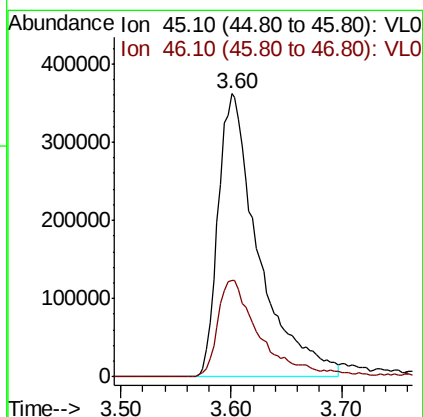
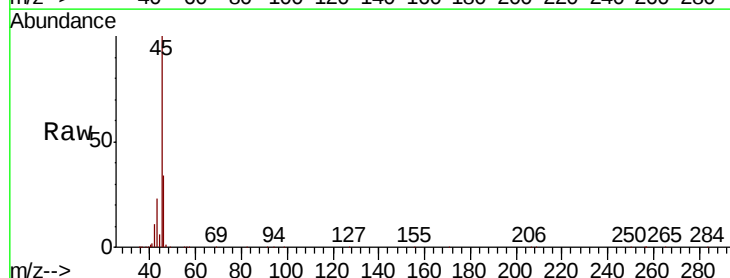
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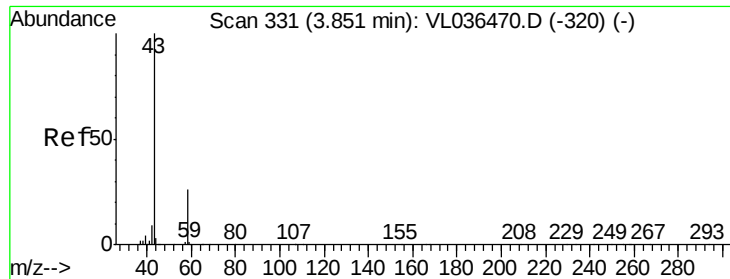
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#13
Ethanol
Concen: 75.421 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Tgt Ion: 45 Resp: 921047
Ion Ratio Lower Upper
45 100
46 36.2 16.6 66.2





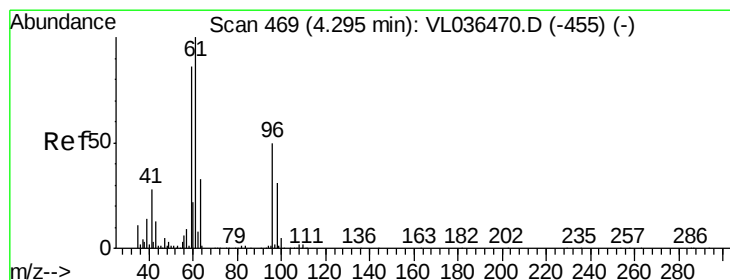
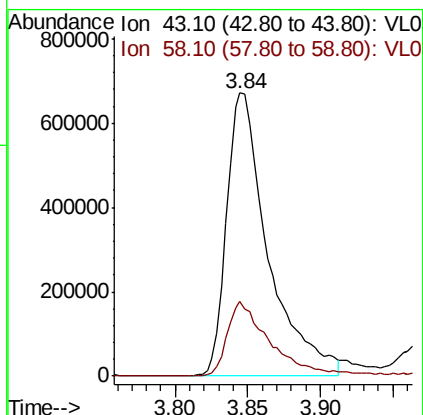
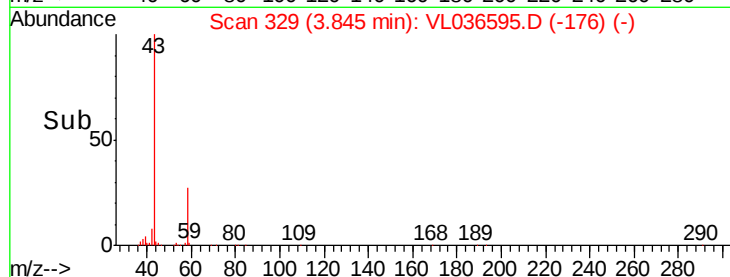
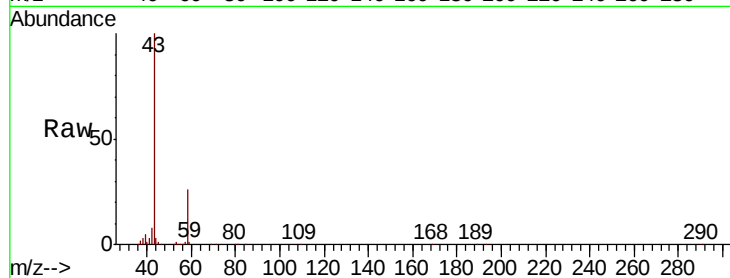
#15
Acetone
Concen: 7.832 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-06(2021)DL

Tot Ion: 43 Resp: 1327147
Ion Ratio Lower Upper
43 100
58 27.8 21.2 31.8

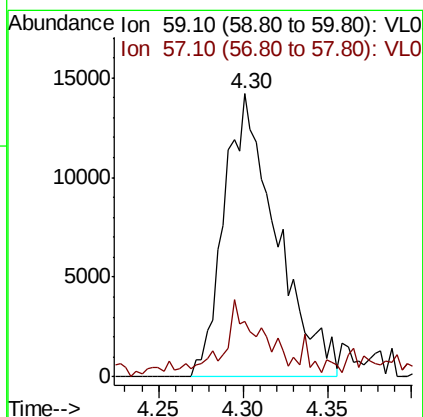
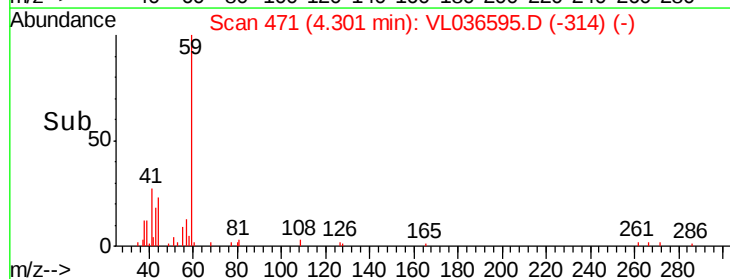
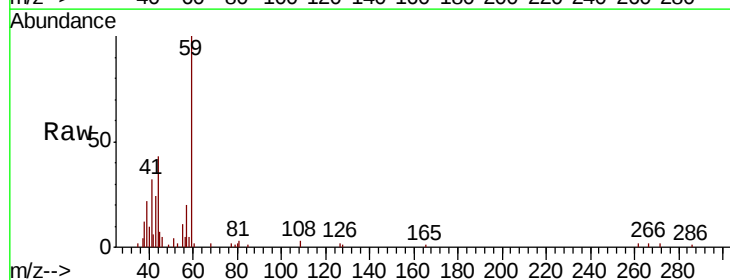
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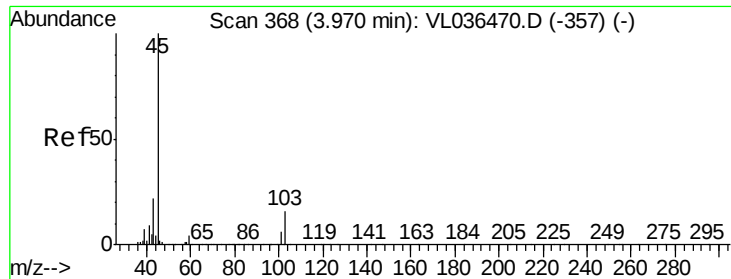
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#17
tert-Butyl alcohol
Concen: 0.208 ppbv m
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Tgt Ion: 59 Resp: 30679
Ion Ratio Lower Upper
59 100
57 26.7 8.6 12.8#





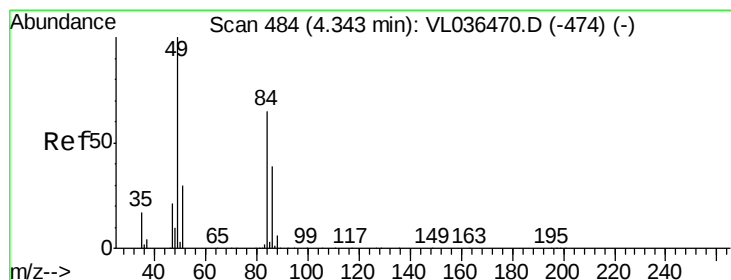
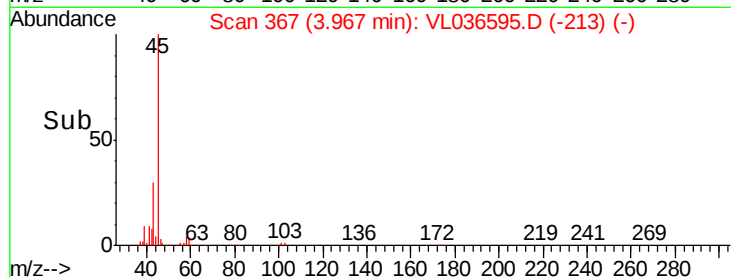
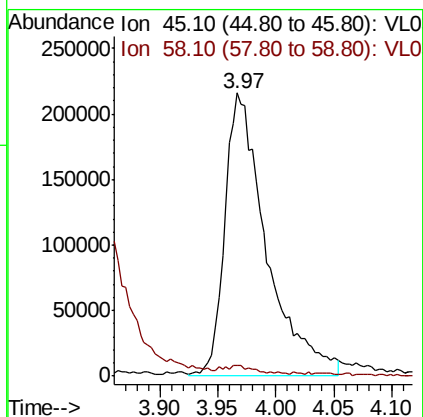
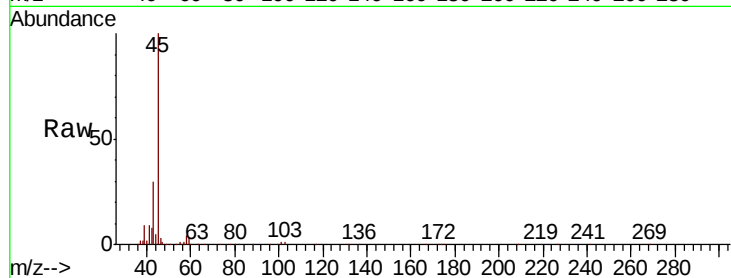
#19
Isopropyl Alcohol
Concen: 5.794 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-06(2021)DL

Tot Ion: 45 Resp: 540129
Ion Ratio Lower Upper
45 100
58 2.5 2.9 4.3#

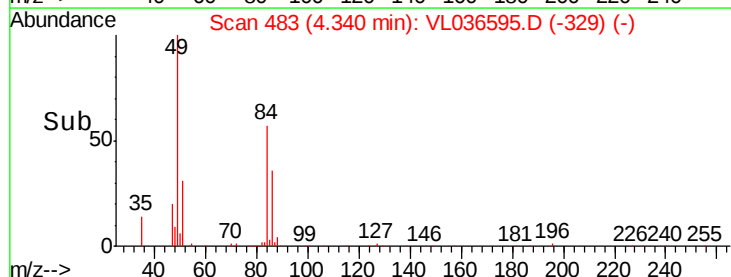
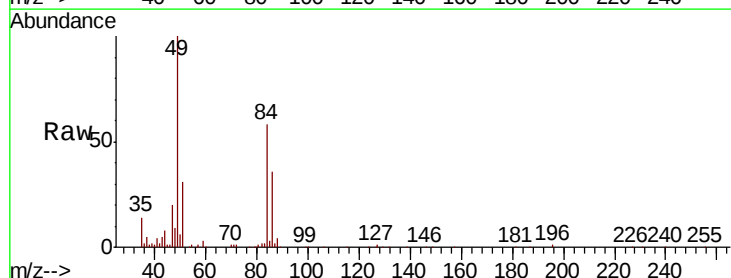
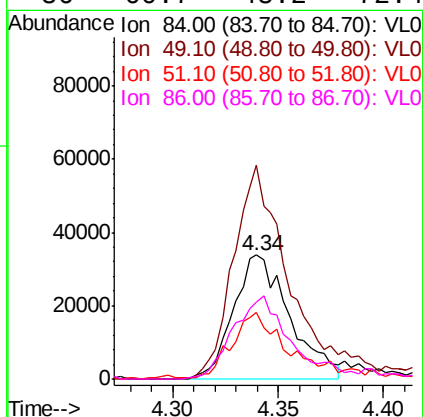
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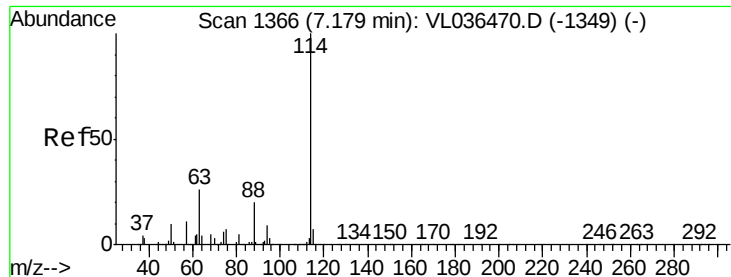
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#20
Methylene Chloride
Concen: 0.793 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Tgt Ion: 84 Resp: 62892
Ion Ratio Lower Upper
84 100
49 172.6 122.9 184.3
51 52.5 36.9 55.3
86 60.7 48.2 72.4





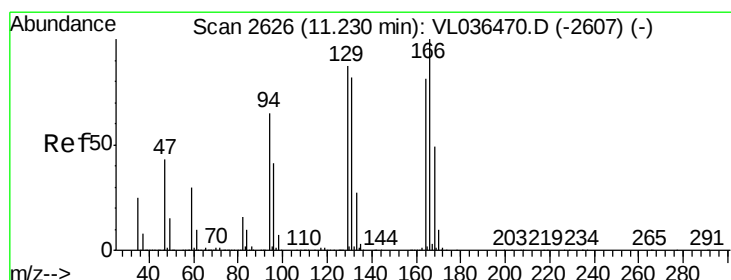
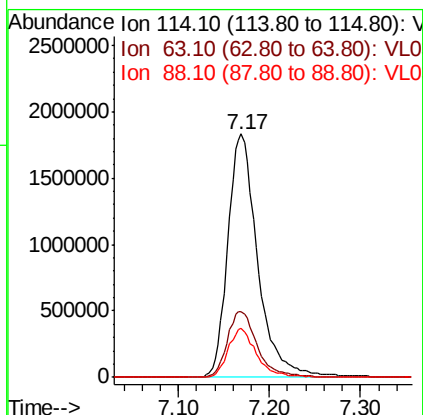
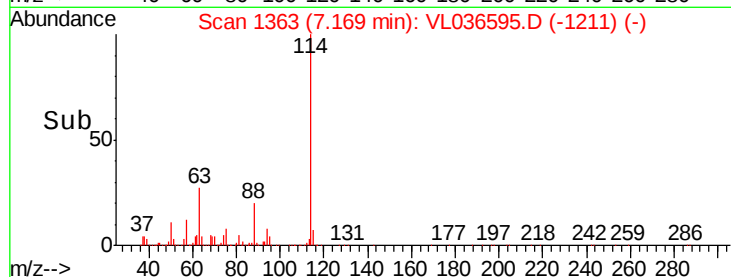
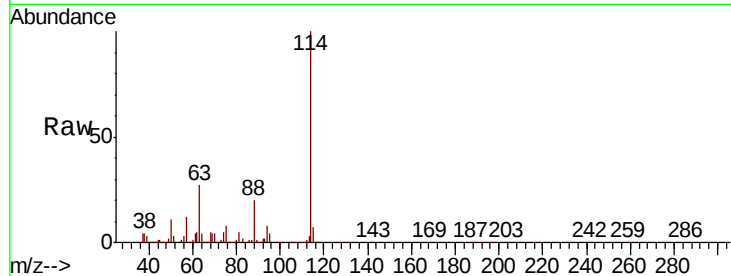
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-06(2021)DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.4	33.6
88	19.4	15.4	23.0

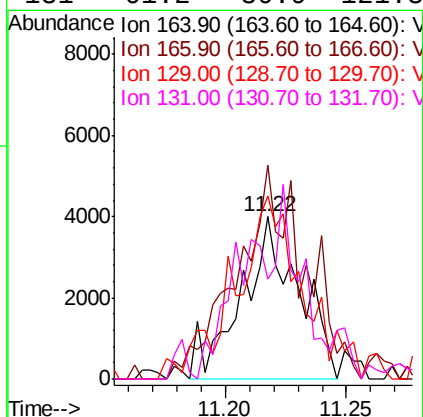
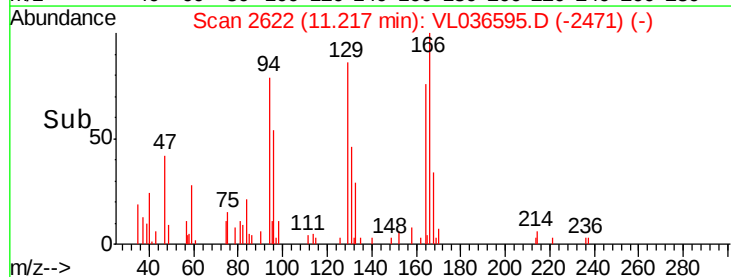
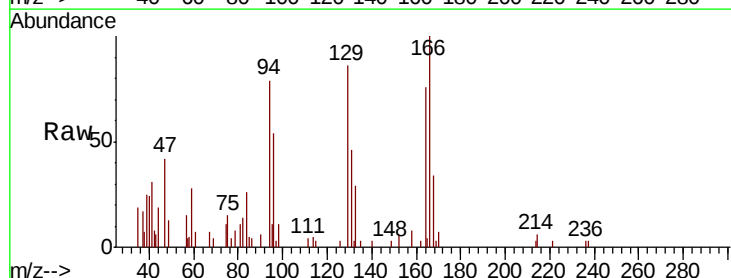
Manual Integrations
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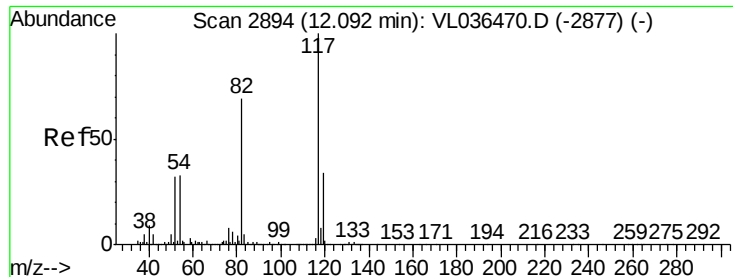
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#52
Tetrachloroethene
Concen: 0.046 ppbv m
RT: 11.22 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	98.3	147.5
129	112.7	85.8	128.8
131	61.2	80.9	121.3#





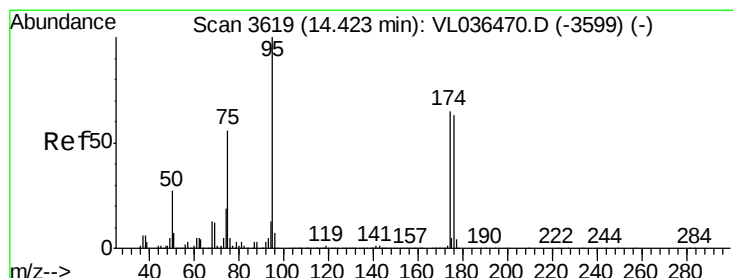
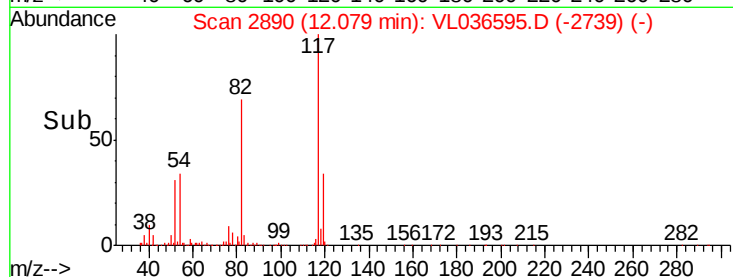
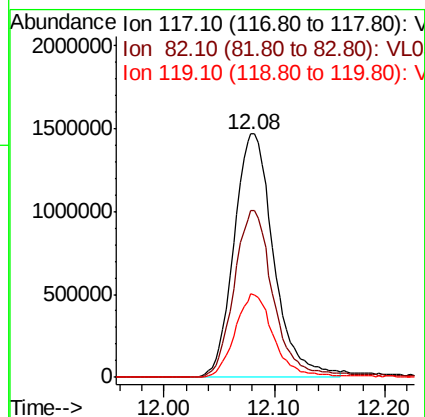
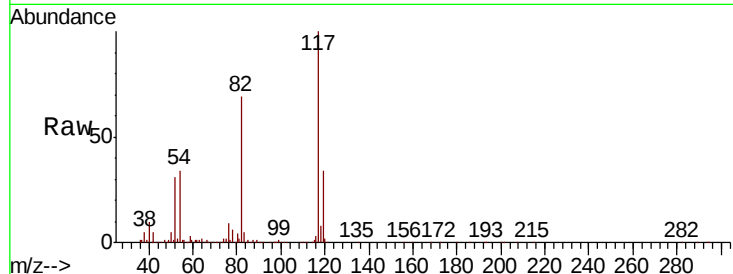
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-06(2021)DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.7	57.4	86.0
119	33.8	47.4	71.0#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.919 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.3	51.0	76.6
175	4.7	3.9	5.9

