

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036579.D
 Acq On : 30 Mar 2021 21:12
 Operator : SY/AP
 Sample : M1797-07DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-09(2021)DL

Manual Integrations
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 4/1/2021 10:59:19 AM

Quant Time: Mar 31 07:38:23 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	1379174	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3219712	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.07	117	2894596	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2280706	9.89	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	18395m	0.224	ppbv	
13) Ethanol	3.59	45	274125m	28.022	ppbv	
15) Acetone	3.83	43	1498166	11.037	ppbv	97
17) tert-Butyl alcohol	4.29	59	51690m	0.437	ppbv	
19) Isopropyl Alcohol	3.96	45	173128m	2.319	ppbv	
20) Methylene Chloride	4.32	84	29756m	0.468	ppbv	
26) Hexane	5.66	57	20856m	0.139	ppbv	
29) Chloroform	5.73	83	81304m	0.339	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	75874	0.314	ppbv	91
34) 2-Butanone	5.23	43	71388m	0.454	ppbv	
38) Trichloroethene	7.81	130	5026m	0.043	ppbv	
41) Tetrahydrofuran	6.01	42	39596m	0.546	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	23898m	0.105	ppbv	
52) Tetrachloroethene	11.20	164	27780m	0.254	ppbv	

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

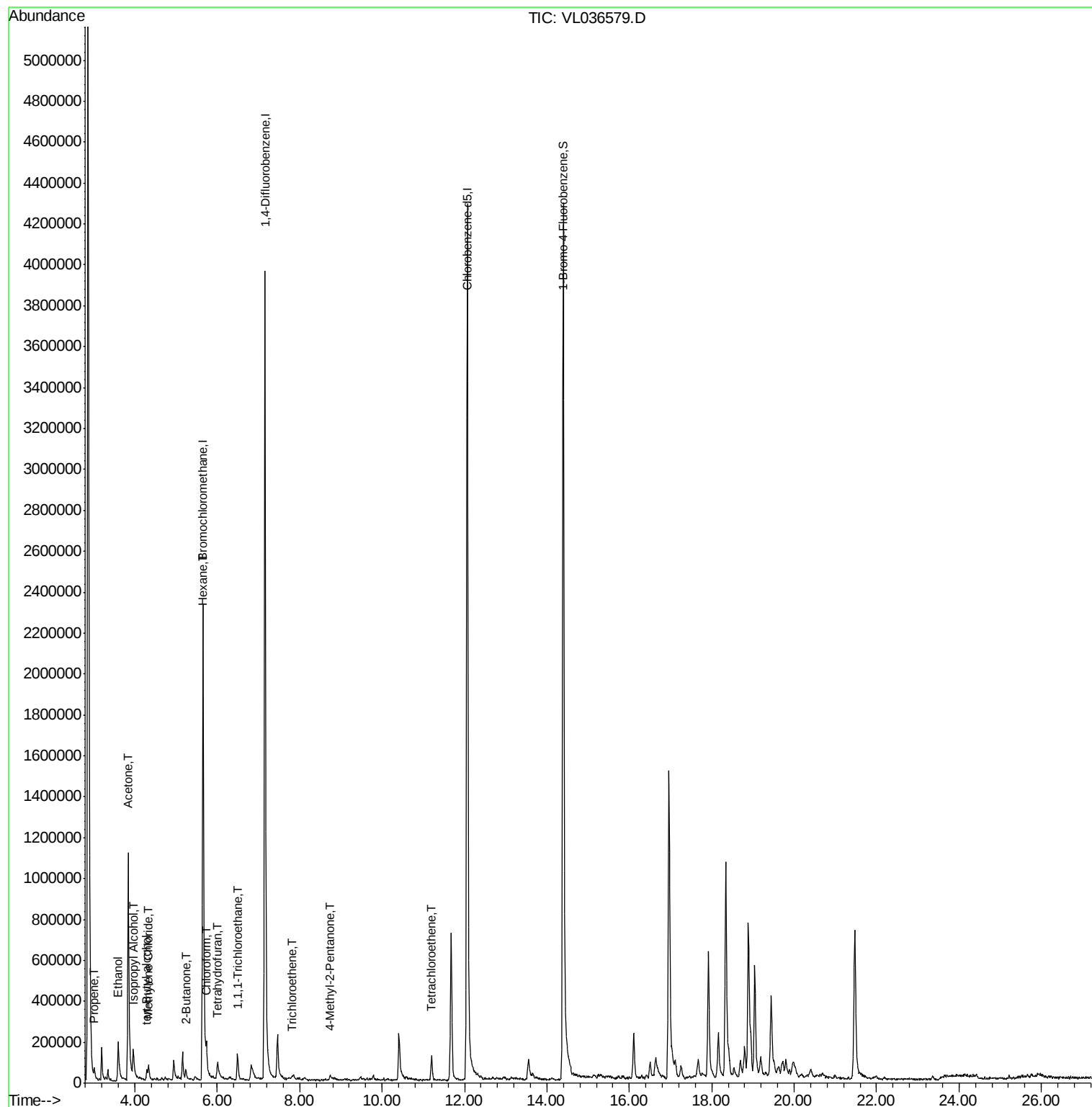
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033021\
Data File : VL036579.D
Acq On : 30 Mar 2021 21:12
Operator : SY/AP
Sample : M1797-07DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

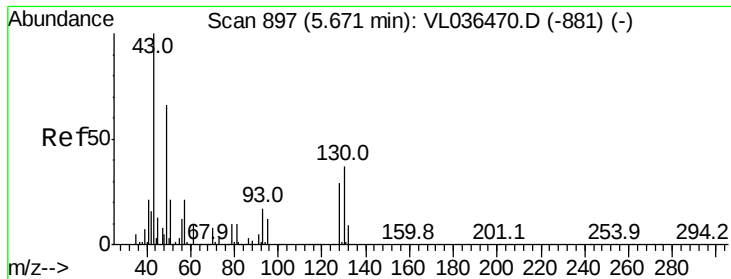
Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

Manual Integrations
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4/1/2021 10:59:19 AM

Quant Time: Mar 31 07:38:23 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL036579.D

Acq: 30 Mar 2021 21:12

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-09(2021)DL

Tot Ion: 49 Resp: 1379174

Ion Ratio Lower Upper

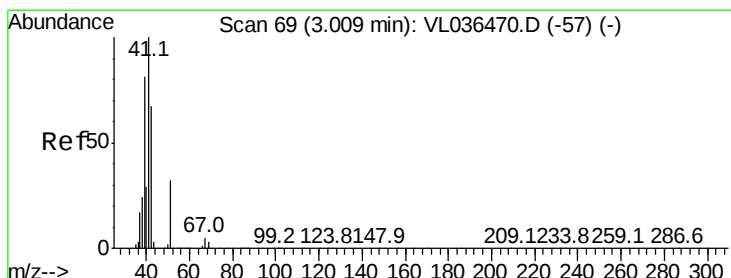
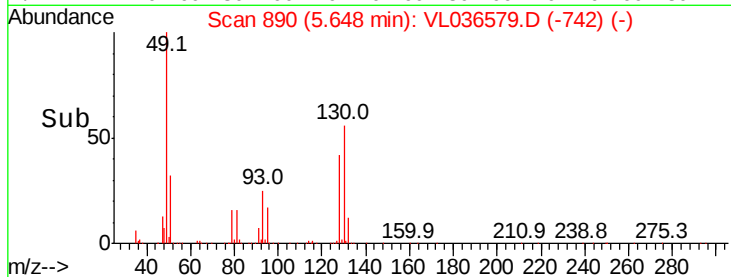
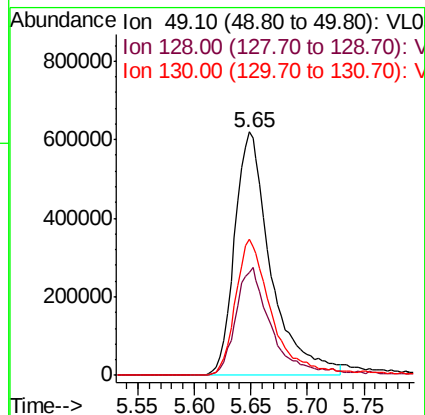
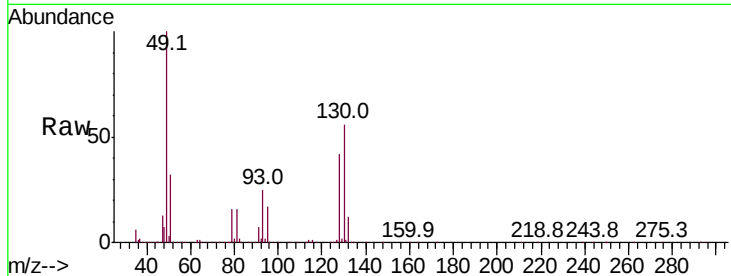
49 100

128 45.3 23.5 70.6

130 57.2 29.1 87.4

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#9

Propene

Concen: 0.224 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036579.D

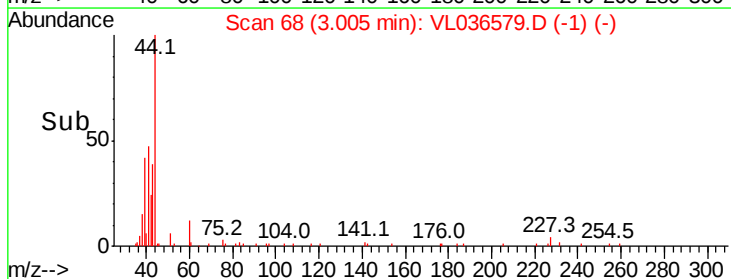
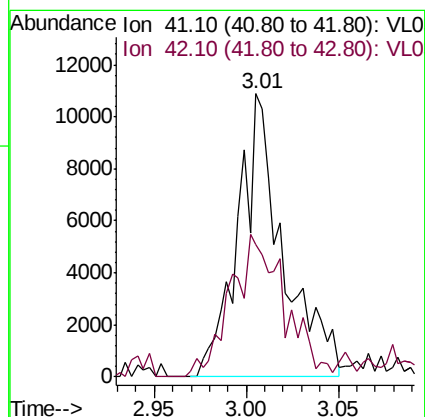
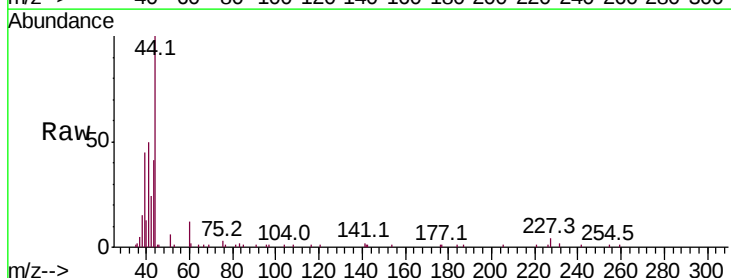
Acq: 30 Mar 2021 21:12

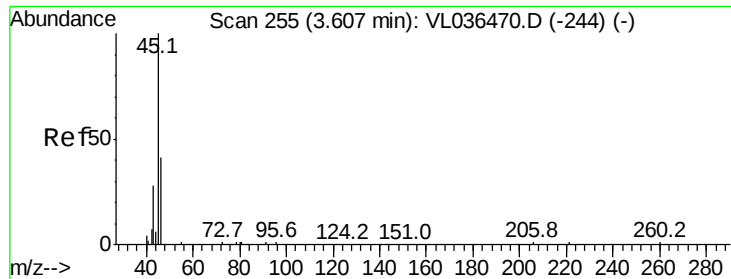
Tgt Ion: 41 Resp: 18395

Ion Ratio Lower Upper

41 100

42 0.0 57.0 85.4#





#13

Ethanol

Concen: 28.022 ppbv m

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL036579.D

Acq: 30 Mar 2021 21:12

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-09(2021)DL

Tot Ion: 45 Resp: 274125

Ion Ratio Lower Upper

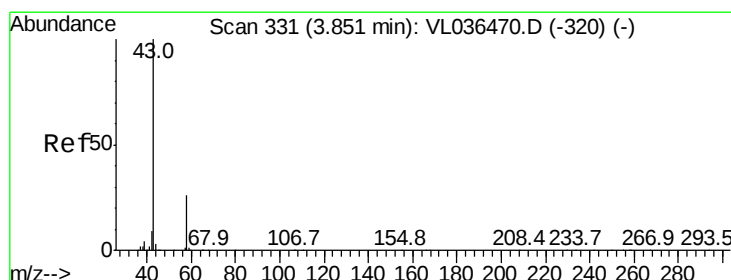
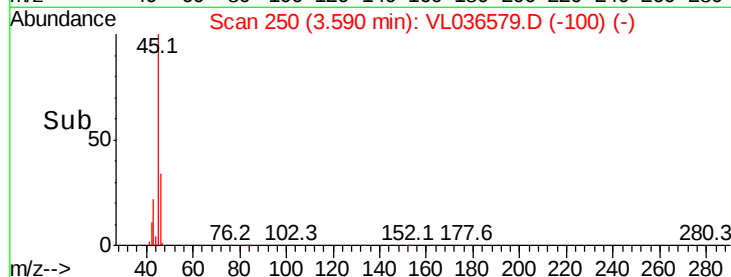
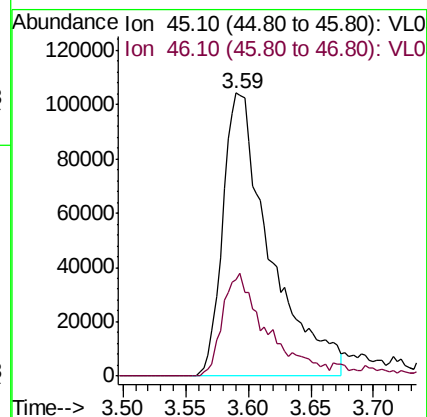
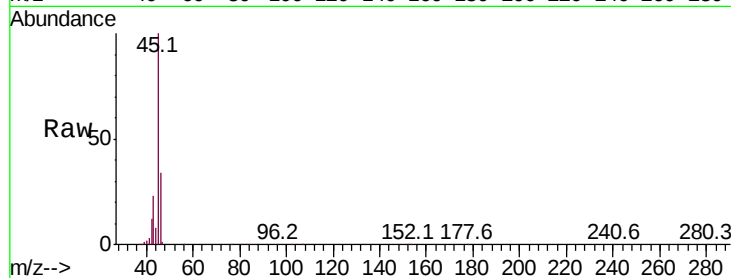
45 100

46 33.7 16.6 66.2

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#15

Acetone

Concen: 11.037 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL036579.D

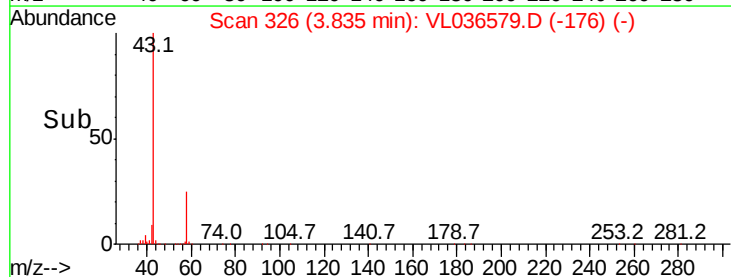
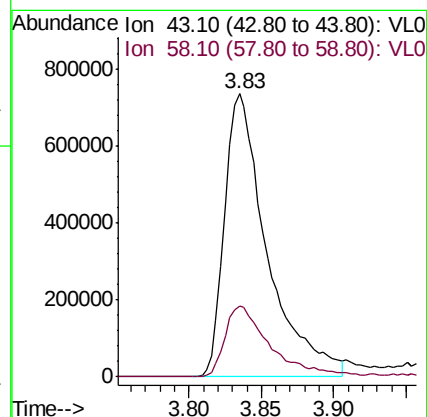
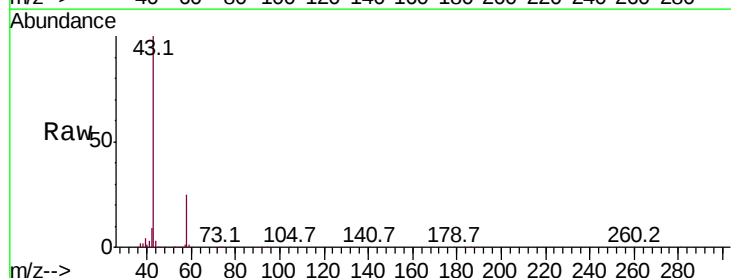
Acq: 30 Mar 2021 21:12

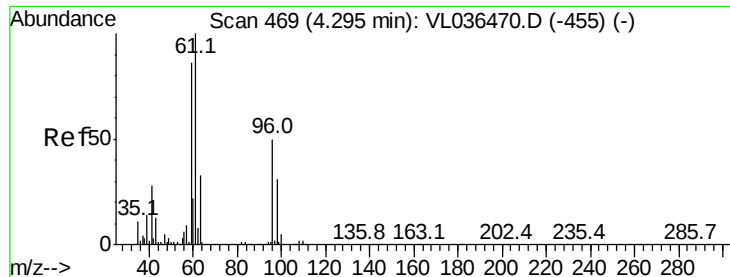
Tgt Ion: 43 Resp: 1498166

Ion Ratio Lower Upper

43 100

58 28.2 21.2 31.8





#17

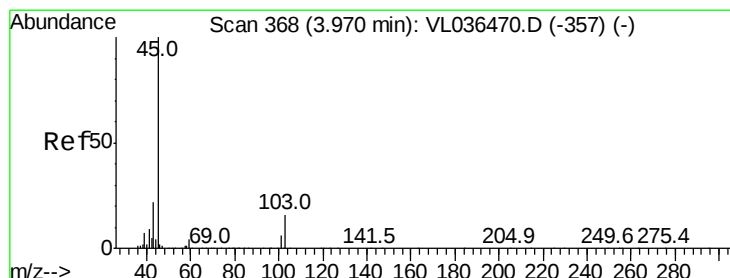
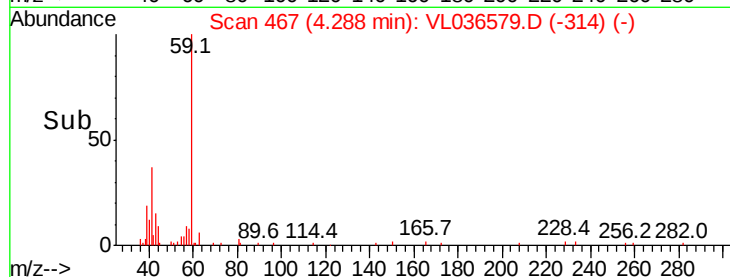
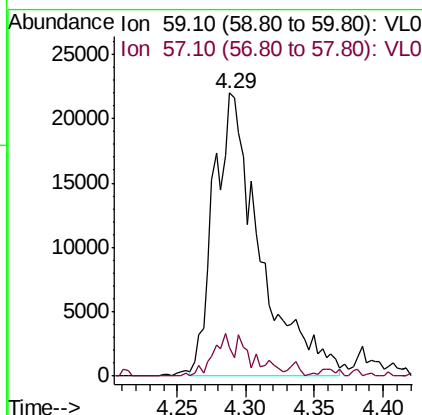
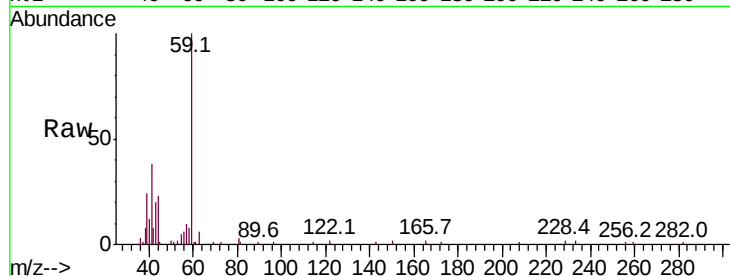
tert-Butyl alcohol
Concen: 0.437 ppbv m
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL036579.D
Acq: 30 Mar 2021 21:12

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

Tot Ion	59	Resp	51690
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

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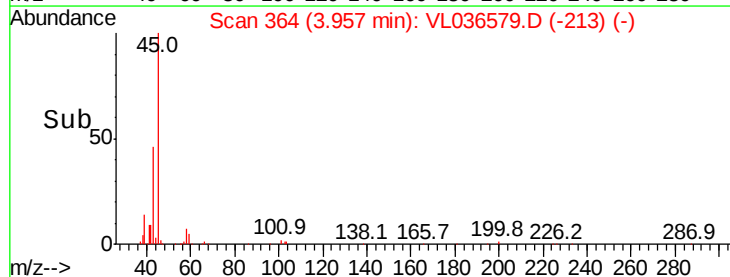
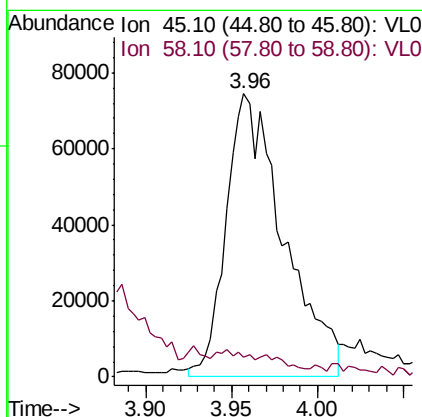
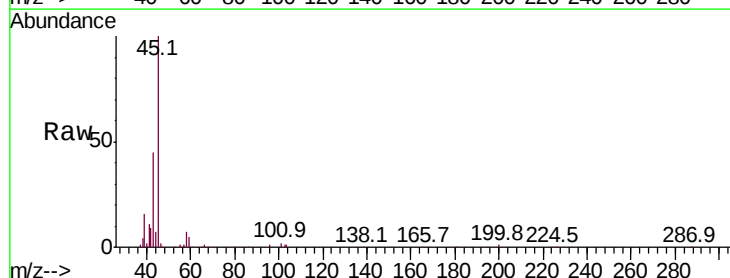
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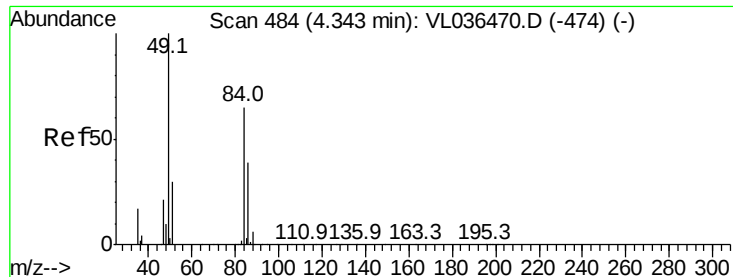


#19

Isopropyl Alcohol
Concen: 2.319 ppbv m
RT: 3.96 min Scan# 364
Delta R.T. -0.01 min
Lab File: VL036579.D
Acq: 30 Mar 2021 21:12

Tgt Ion	45	Resp	173128
Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.9	4.3#





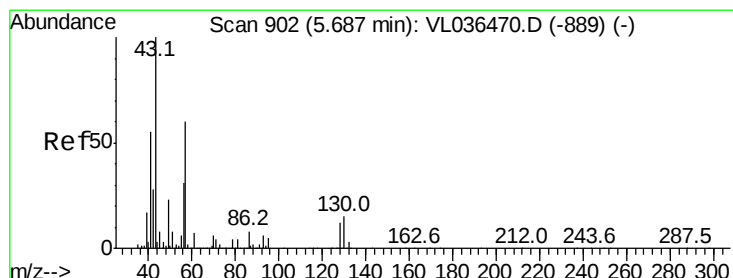
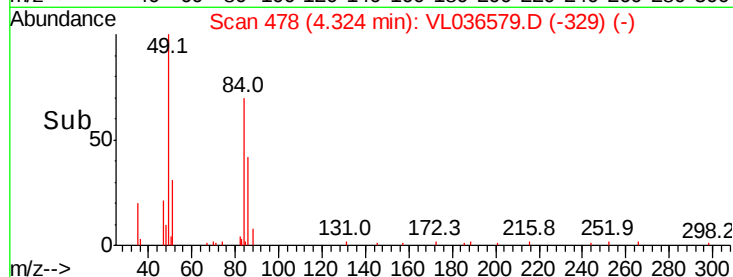
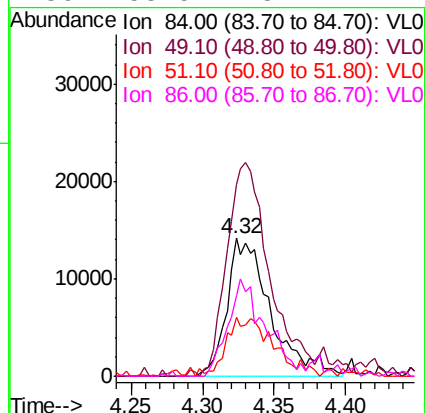
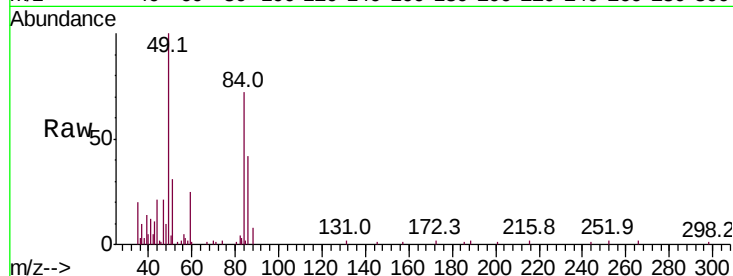
#20
Methvlene Chloride
Concen: 0.468 ppbv m
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036579.D
Acq: 30 Mar 2021 21:12

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

Tot Ion	84	Resp:	29756
Ion	Ratio	Lower	Upper
84	100		
49	139.4	122.9	184.3
51	42.9	36.9	55.3
86	58.5	48.2	72.4

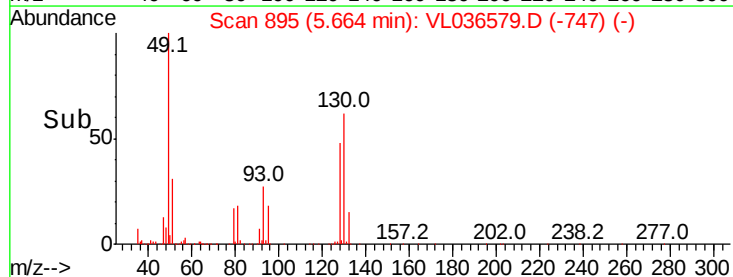
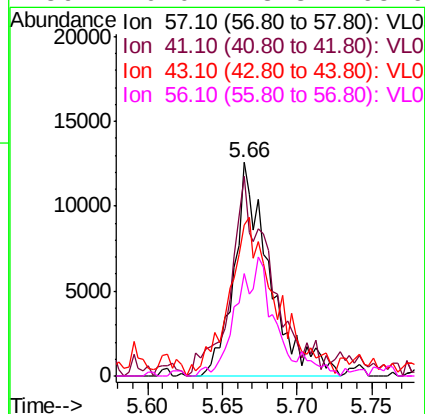
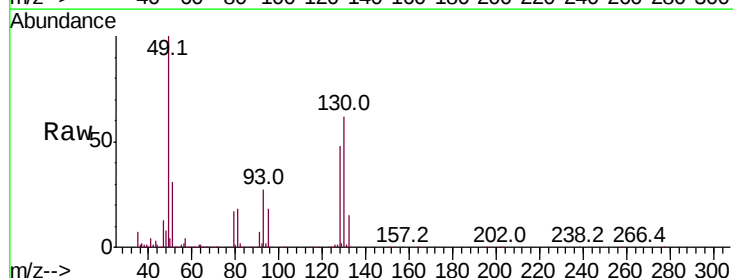
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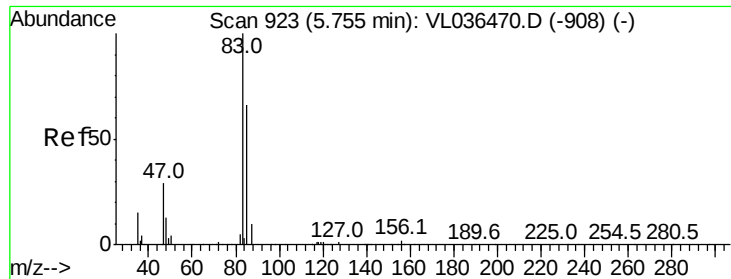
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#26
Hexane
Concen: 0.139 ppbv m
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036579.D
Acq: 30 Mar 2021 21:12

Tgt Ion	57	Resp:	20856
Ion	Ratio	Lower	Upper
57	100		
41	101.5	77.2	115.8
43	93.9	173.8	260.6#
56	0.0	43.8	65.6#





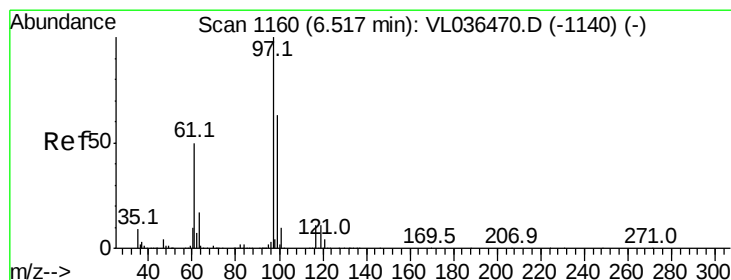
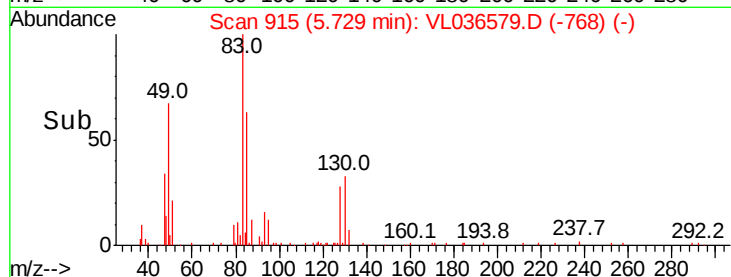
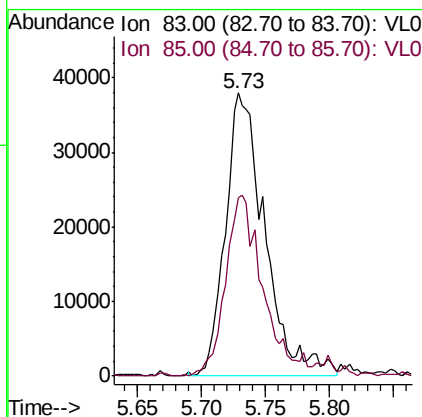
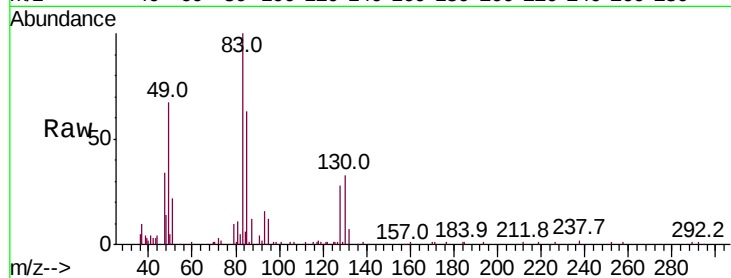
#29
Chloroform
Concen: 0.339 ppbv m
RT: 5.73 min Scan# 915
Delta R.T. -0.03 min
Lab File: VL036579.D
Acq: 30 Mar 2021 21:12

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

Tot Ion	83	Resp	81304
Ion Ratio	100	Lower	Upper
85	63.2	52.6	78.8

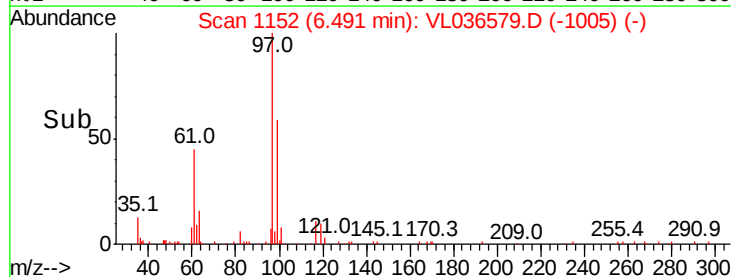
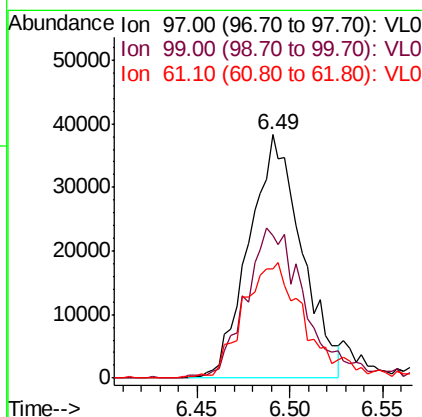
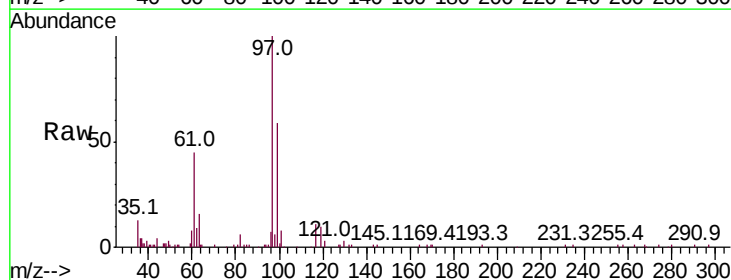
Manual Integrations
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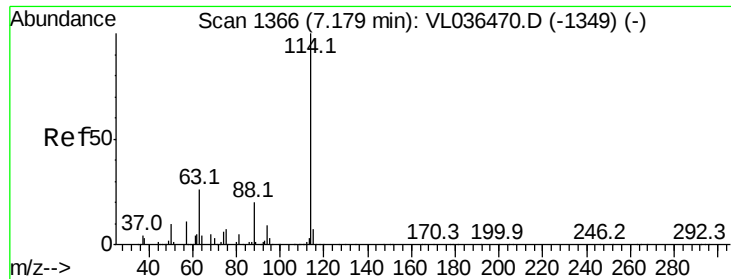
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#32
1,1,1-Trichloroethane
Concen: 0.314 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.03 min
Lab File: VL036579.D
Acq: 30 Mar 2021 21:12

Tgt Ion	97	Resp	75874
Ion Ratio	100	Lower	Upper
99	70.3	51.4	77.0
61	57.4	40.6	60.8





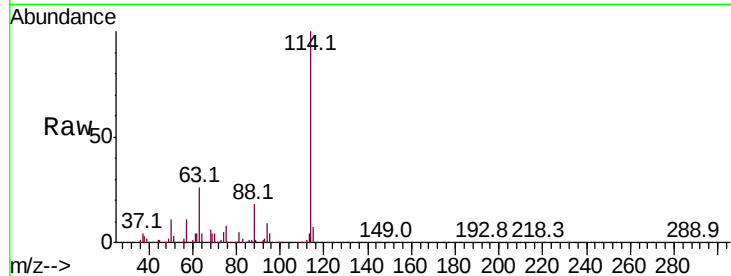
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: VL036579.D
 Acq: 30 Mar 2021 21:12

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-09(2021)DL

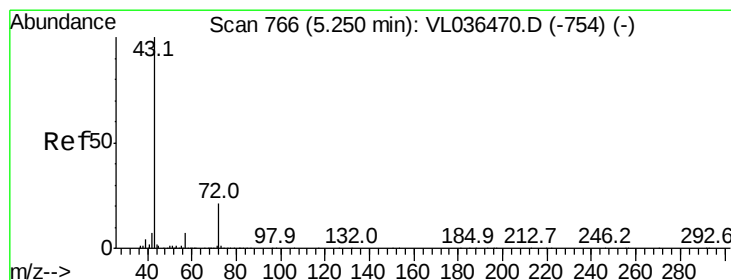
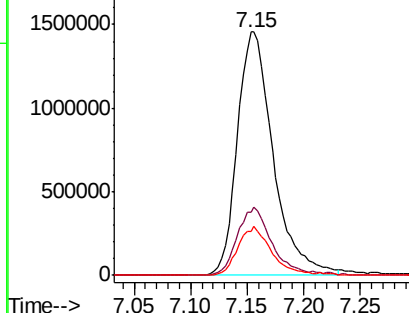
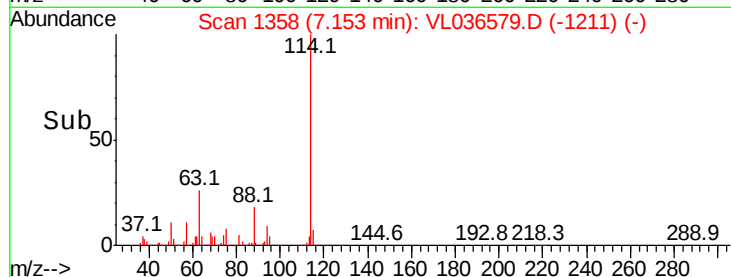
Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.4	33.6
88	19.2	15.4	23.0

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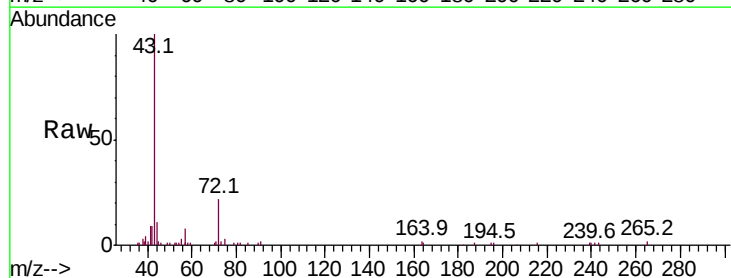


Abundance Ion 114.10 (113.80 to 114.80): VL0
 2000000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

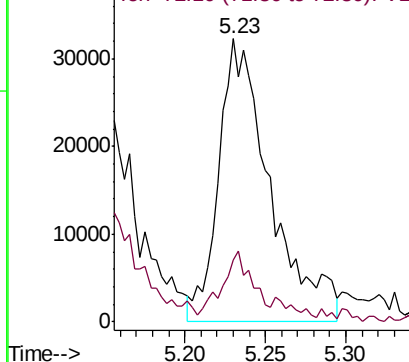
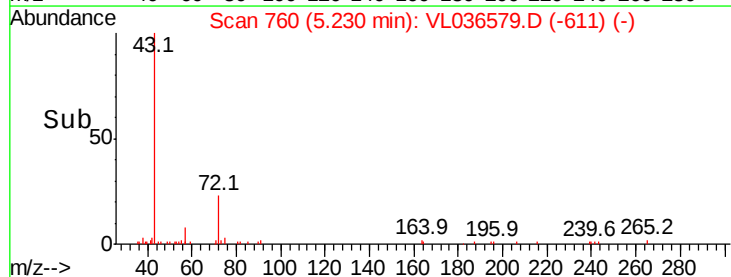


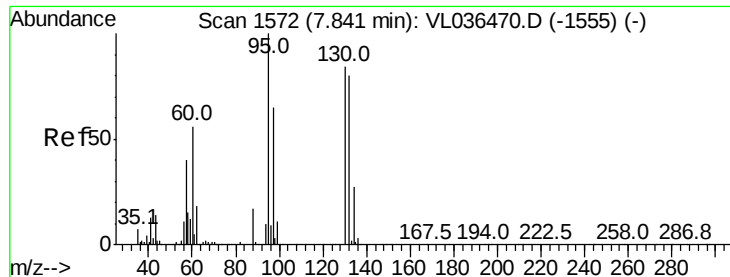
#34
 2-Butanone
 Concen: 0.454 ppbv m
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL036579.D
 Acq: 30 Mar 2021 21:12

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.0	25.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





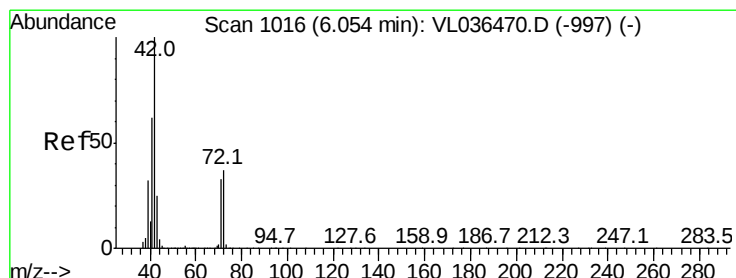
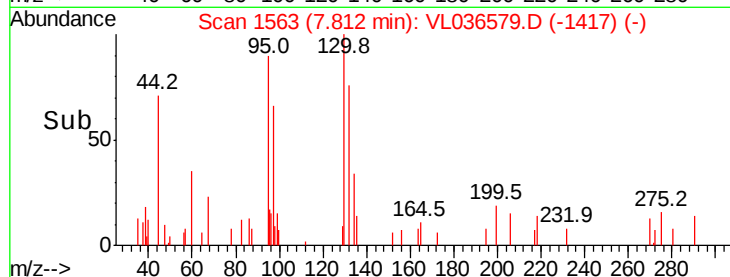
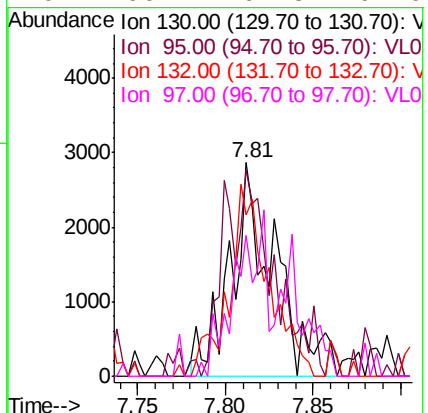
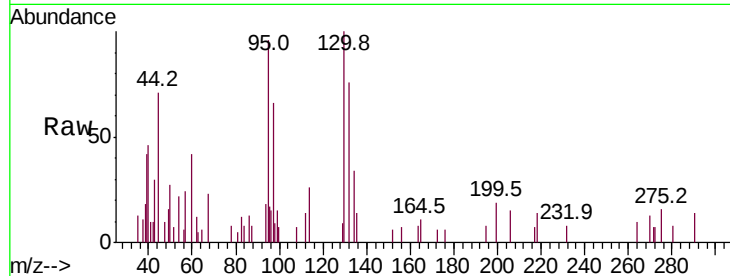
#38
 Trichloroethene
 Concen: 0.043 ppbv m
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.03 min
 Lab File: VL036579.D
 Acq: 30 Mar 2021 21:12

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-09(2021)DL

Tot Ion	Ratio	Lower	Upper
130	100		
95	96.4	95.7	143.5
132	75.8	76.2	114.4#
97	66.2	61.8	92.6

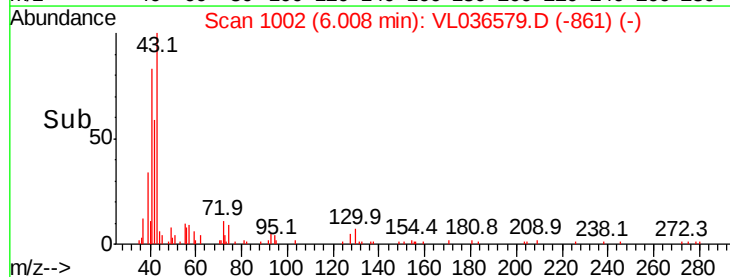
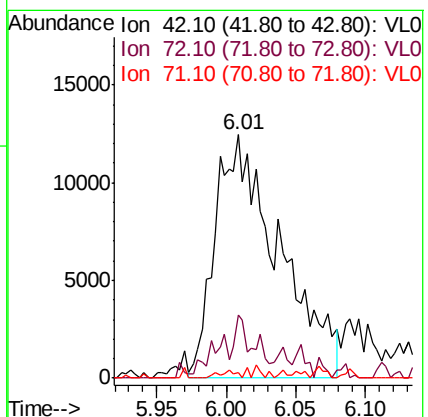
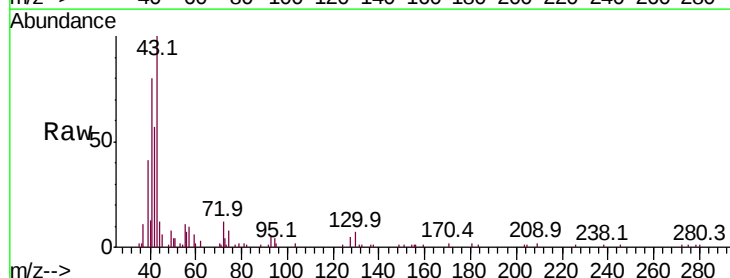
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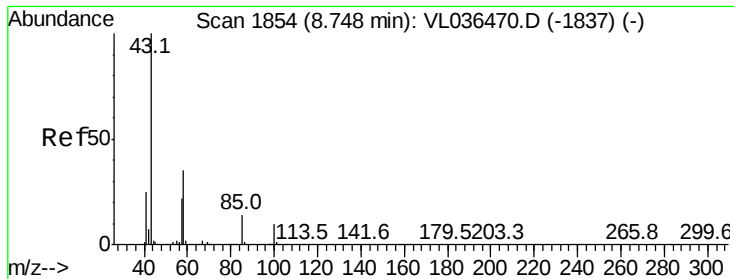
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#41
 Tetrahydrofuran
 Concen: 0.546 ppbv m
 RT: 6.01 min Scan# 1002
 Delta R.T. -0.05 min
 Lab File: VL036579.D
 Acq: 30 Mar 2021 21:12

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.6	41.4#
71	0.0	27.0	40.4#





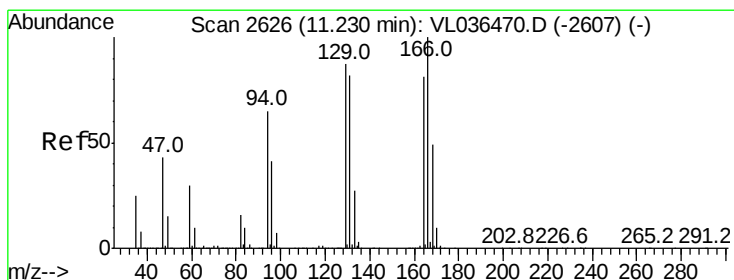
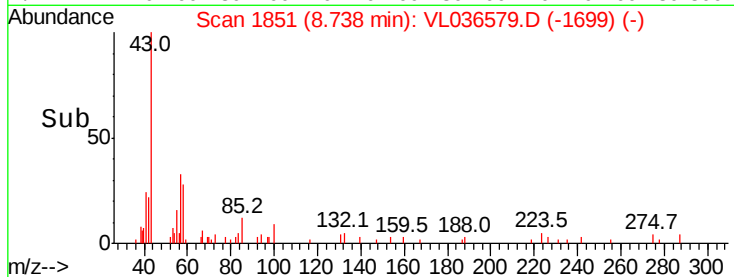
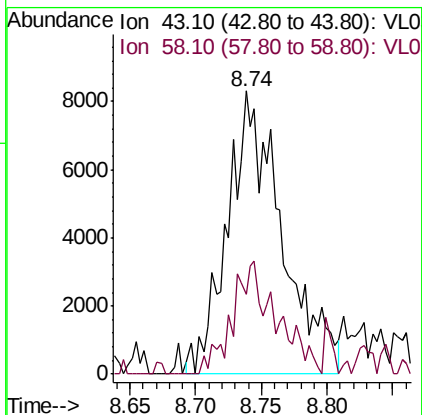
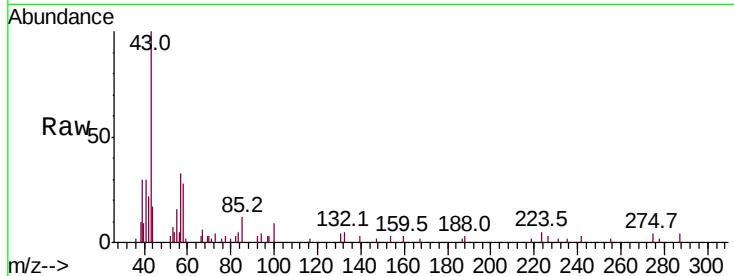
#50
4-Methyl-2-Pentanone
Concen: 0.105 ppbv m
RT: 8.74 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VL036579.D
Acq: 30 Mar 2021 21:12

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

Tot Ion: 43 Resp: 23898
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#

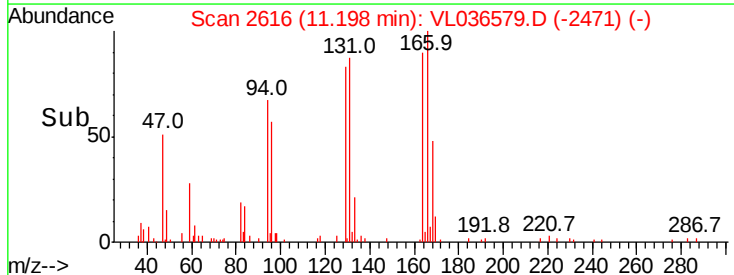
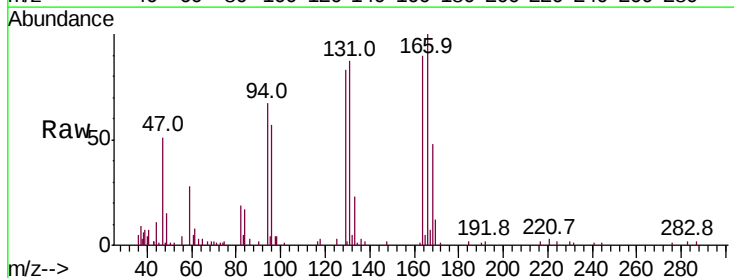
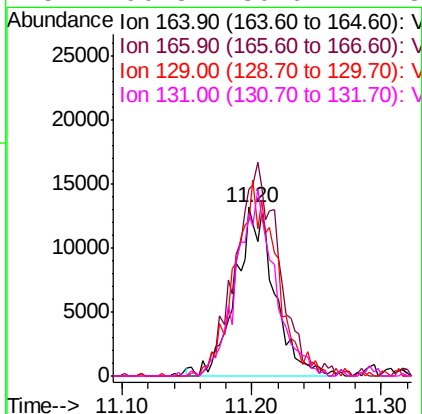
Manual Integrations
APPROVED

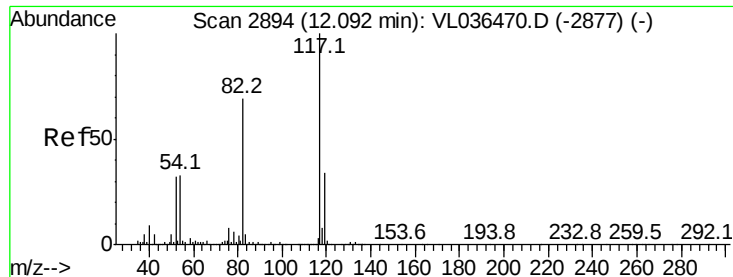
MMDadoda
4/1/2021 10:59:19 AM



#52
Tetrachloroethene
Concen: 0.254 ppbv m
RT: 11.20 min Scan# 2616
Delta R.T. -0.03 min
Lab File: VL036579.D
Acq: 30 Mar 2021 21:12

Tgt Ion: 164 Resp: 27780
Ion Ratio Lower Upper
164 100
166 110.9 98.3 147.5
129 92.2 85.8 128.8
131 96.3 80.9 121.3





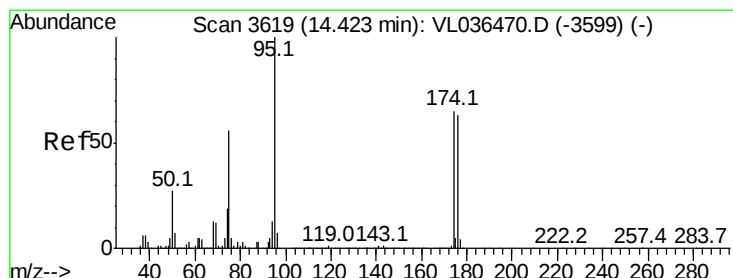
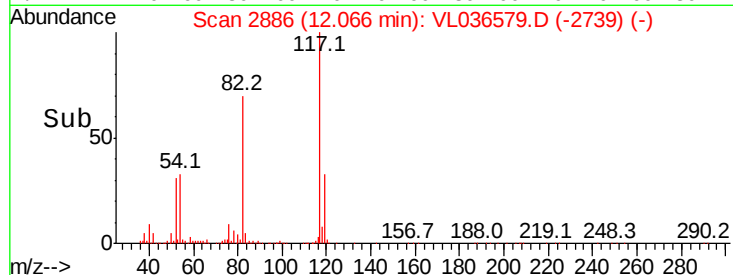
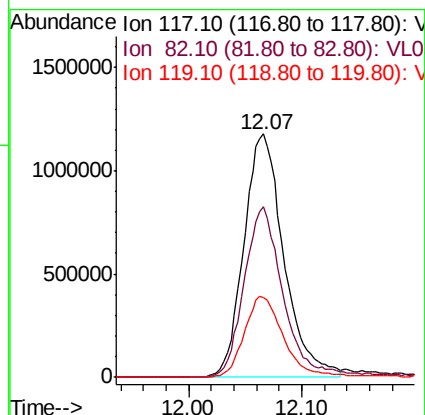
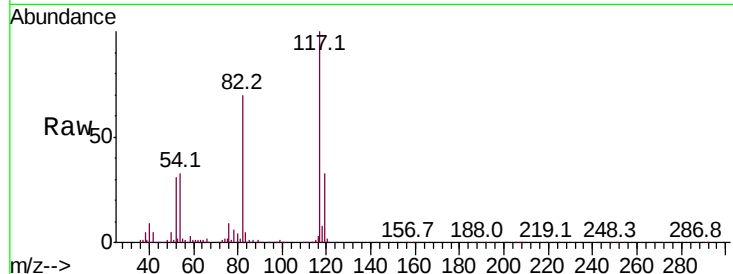
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL036579.D
Acq: 30 Mar 2021 21:12

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.9	57.4	86.0
119	34.0	47.4	71.0#

Manual Integrations
APPROVED

MMDadoda
4/1/2021 10:59:19 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.886 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.03 min
Lab File: VL036579.D
Acq: 30 Mar 2021 21:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.9	51.0	76.6
175	4.8	3.9	5.9

