

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036517.D
 Acq On : 26 Mar 2021 17:05
 Operator : SY/AP
 Sample : M1760-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8-RM-NETXT-TO-GRDL

Manual Integrations
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 3/29/2021 4:39:24 PM

Quant Time: Mar 28 21:07:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 28 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	5.69	49	1475279	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.20	114	3281771	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	2954029	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2321010	9.86	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	326411m	31.194	ppbv	
15) Acetone	3.87	43	142303	0.980	ppbv #	78
19) Isopropyl Alcohol	3.99	45	120396	1.507	ppbv #	93
20) Methylene Chloride	4.37	84	40670m	0.598	ppbv	
25) Ethyl Acetate	5.71	43	56967m	0.165	ppbv	
38) Trichloroethene	7.85	130	18449m	0.157	ppbv	

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

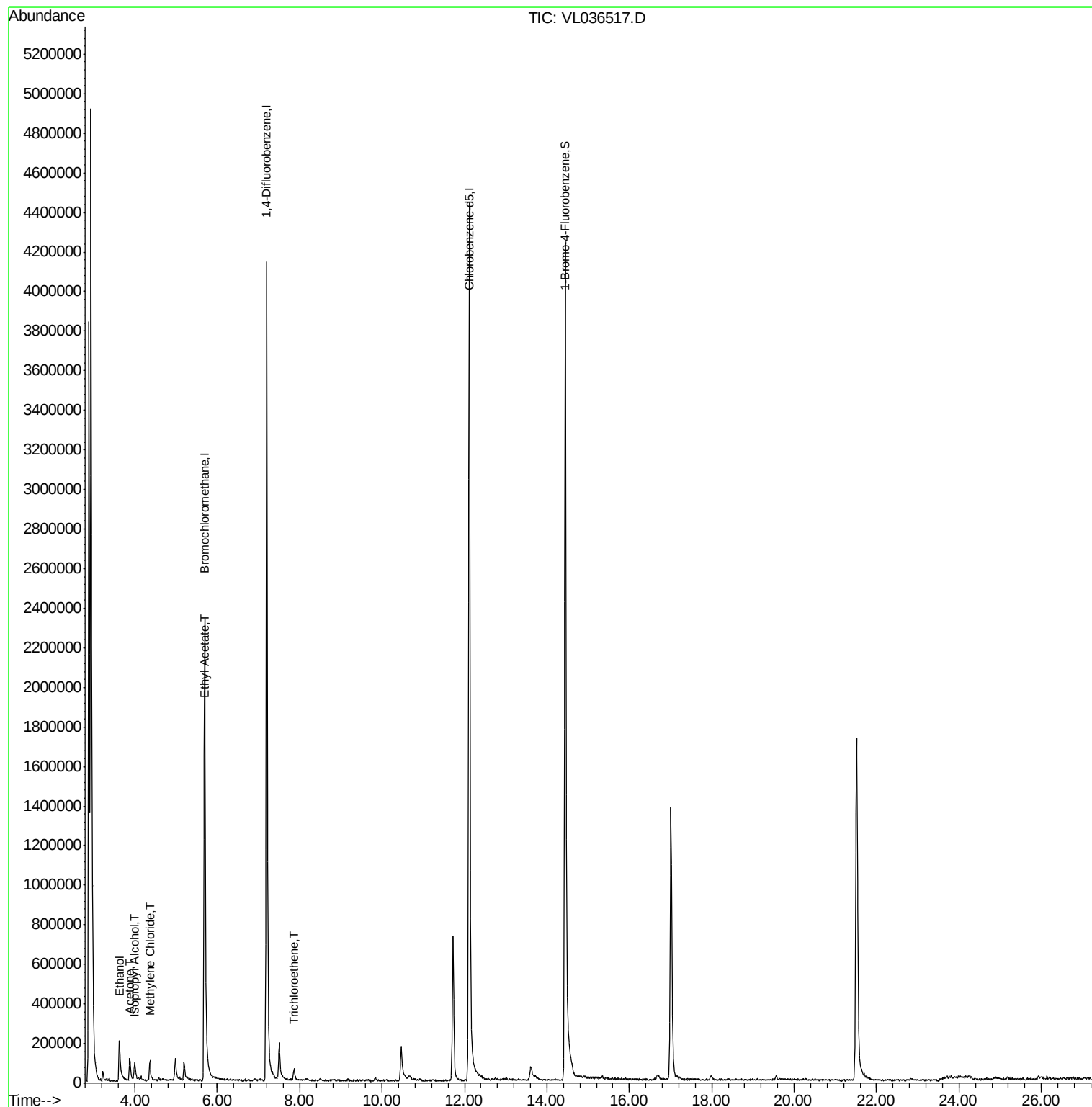
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032621\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL036517.D

Acq: 26 Mar 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

SS-8-RM-NETXT-TO-GRDL

Tot Ion: 49 Resp: 1475279

Ion Ratio Lower Upper

49 100

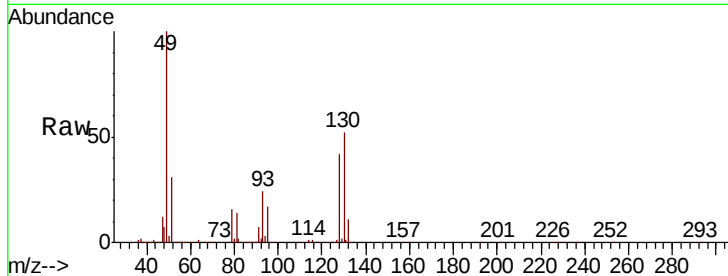
128 43.6 23.5 70.6

130 55.7 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

800000

600000

400000

200000

0

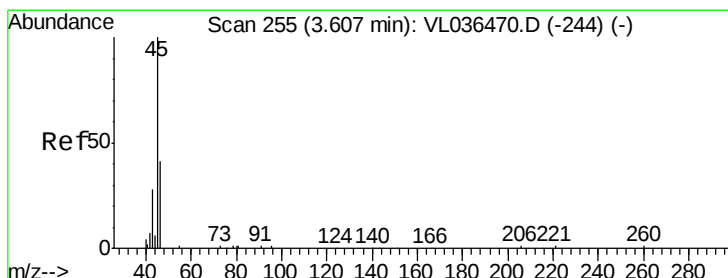
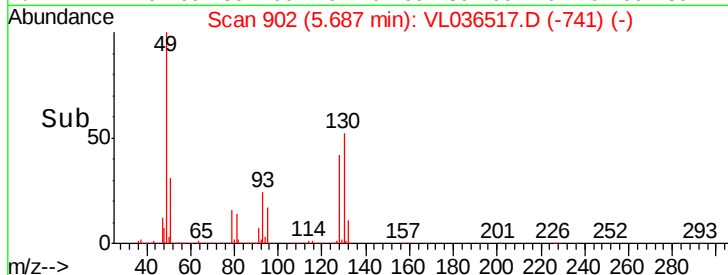
5.69

5.60

5.70

5.80

Time-->



#13

Ethanol

Concen: 31.194 ppbv m

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036517.D

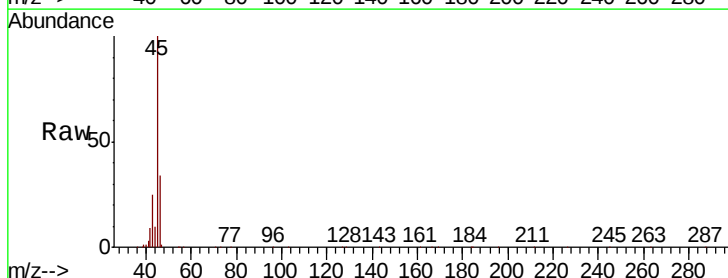
Acq: 26 Mar 2021 17:05

Tgt Ion: 45 Resp: 326411

Ion Ratio Lower Upper

45 100

46 36.8 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

120000

100000

80000

60000

40000

20000

0

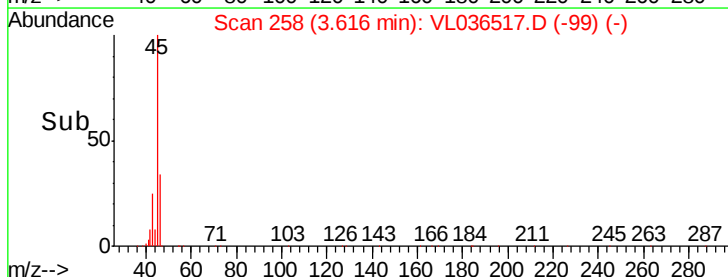
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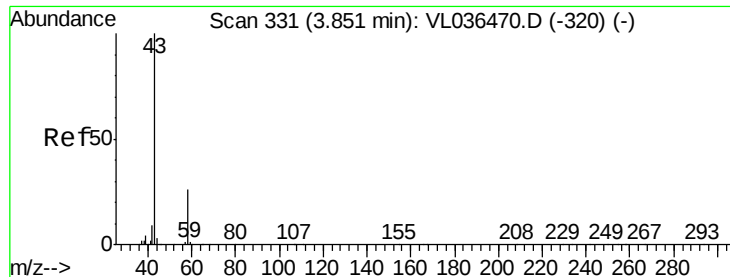
3.50

3.60

3.70

Time-->





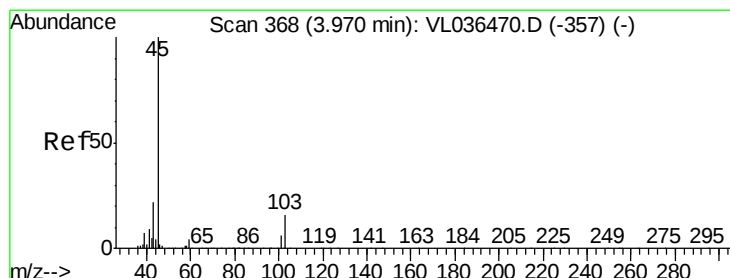
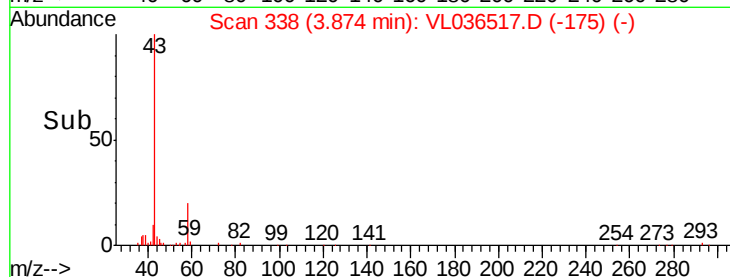
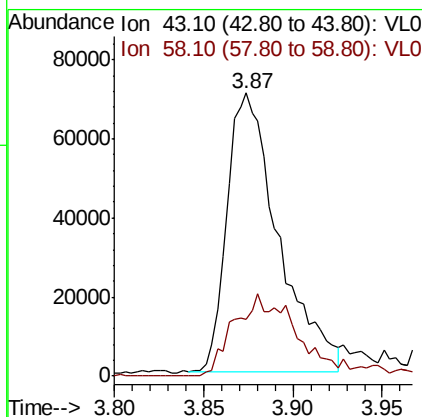
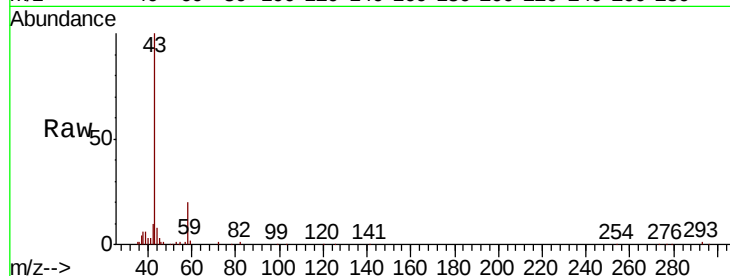
#15
Acetone
Concen: 0.980 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.02 min
Lab File: VL036517.D
Acq: 26 Mar 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
SS-8-RM-NETXT-TO-GRDL

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	21.2	31.8#

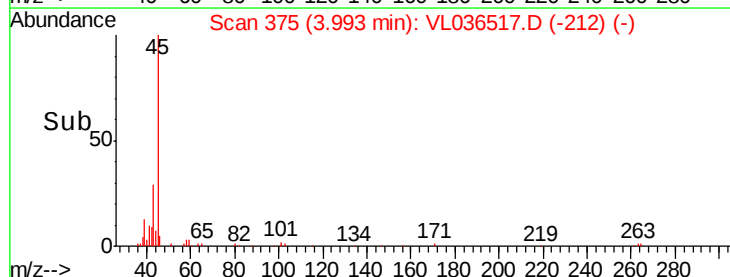
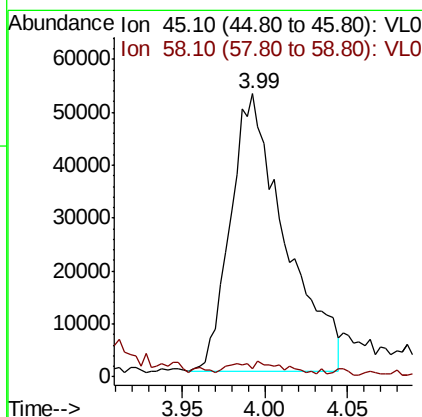
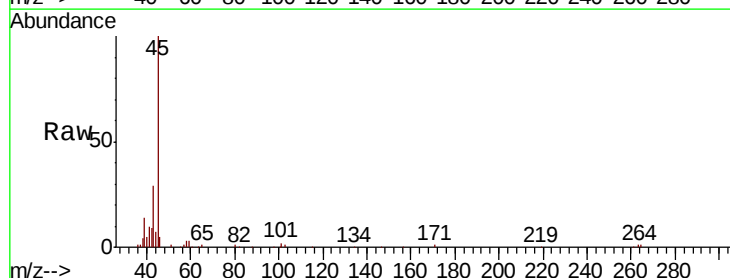
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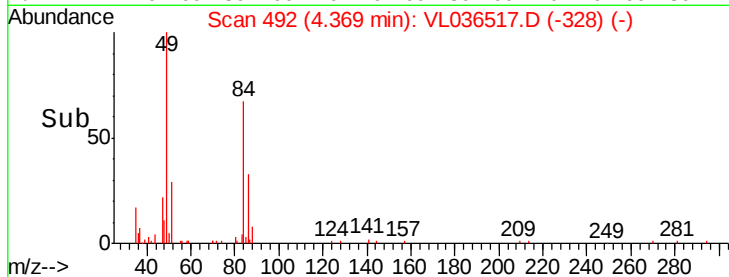
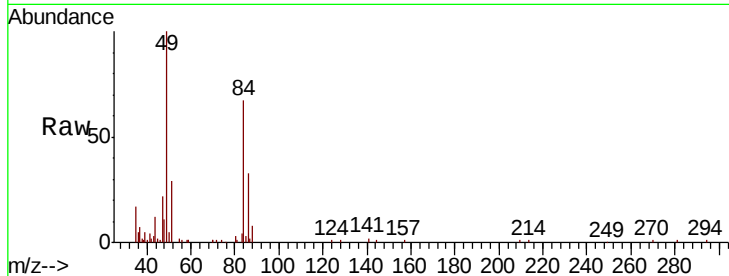
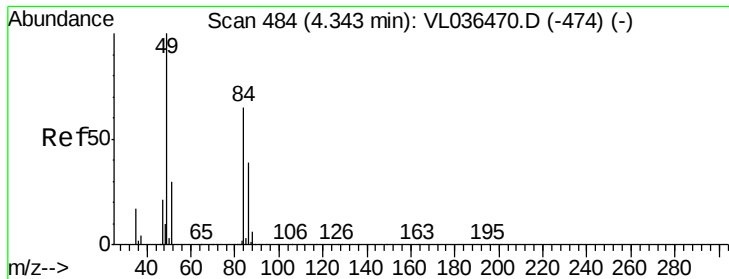
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#19
Isopropyl Alcohol
Concen: 1.507 ppbv
RT: 3.99 min Scan# 375
Delta R.T. 0.02 min
Lab File: VL036517.D
Acq: 26 Mar 2021 17:05

Tgt Ion	Ratio	Lower	Upper
45	100		
58	5.9	2.9	4.3#





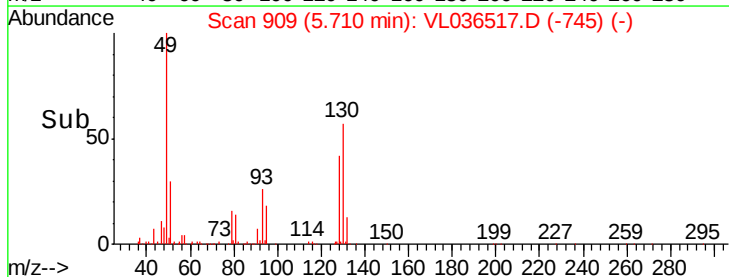
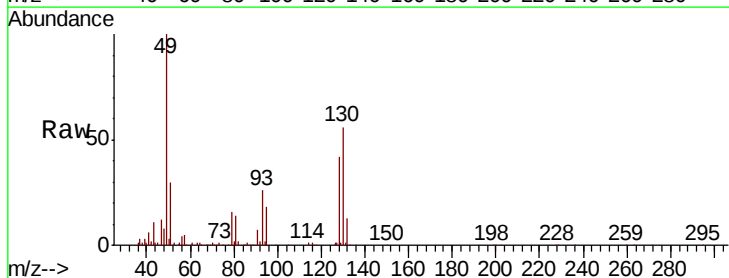
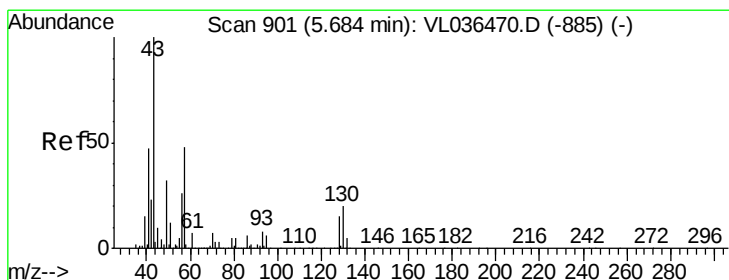
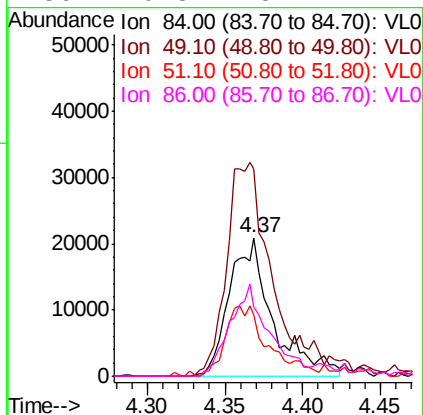
#20
Methylene Chloride
Concen: 0.598 ppbv m
RT: 4.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VL036517.D
Acq: 26 Mar 2021 17:05

Tot Ion	84	Resp	40670
Ion	Ratio	Lower	Upper
84	100		
49	149.4	122.9	184.3
51	44.0	36.9	55.3
86	49.8	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
SS-8-RM-NETXT-TO-GRDL

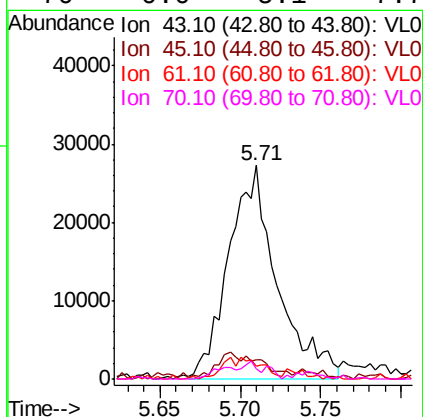
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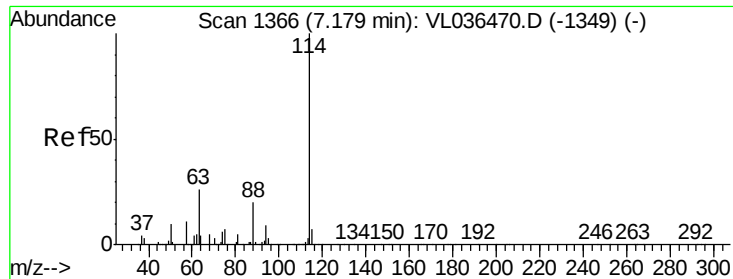
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#25
Ethyl Acetate
Concen: 0.165 ppbv m
RT: 5.71 min Scan# 909
Delta R.T. 0.03 min
Lab File: VL036517.D
Acq: 26 Mar 2021 17:05

Tgt Ion	43	Resp	56967
Ion	Ratio	Lower	Upper
43	100		
45	15.3	7.9	11.9#
61	10.0	7.4	11.2
70	0.0	5.1	7.7#





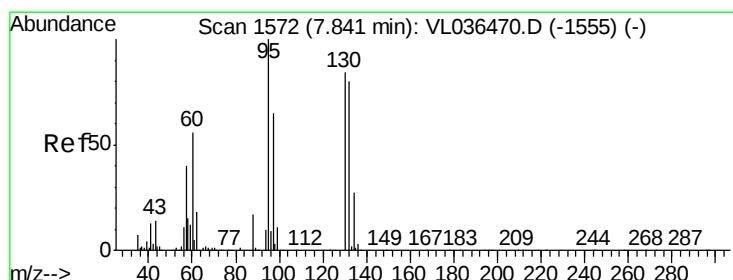
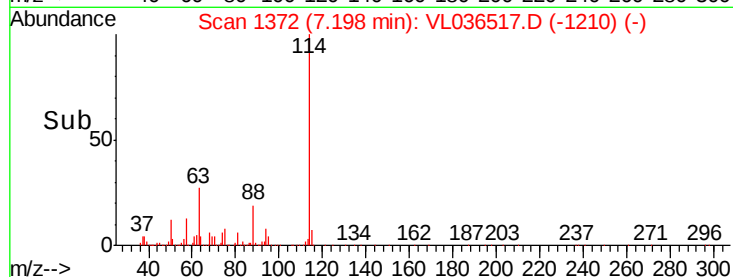
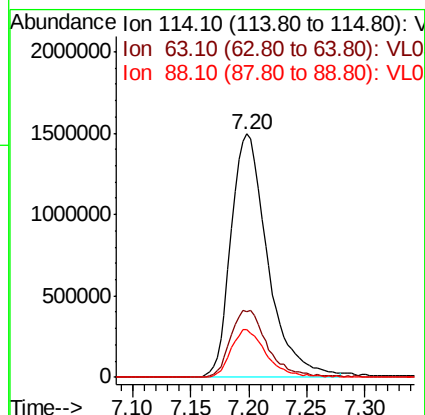
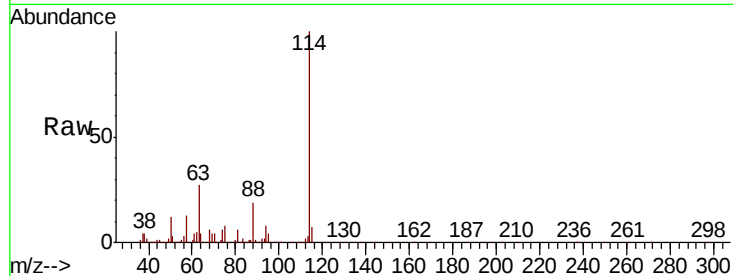
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.02 min
 Lab File: VL036517.D
 Acq: 26 Mar 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8-RM-NETXT-TO-GRDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.4	33.6
88	19.2	15.4	23.0

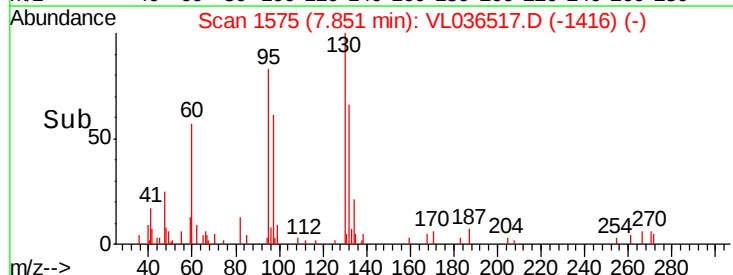
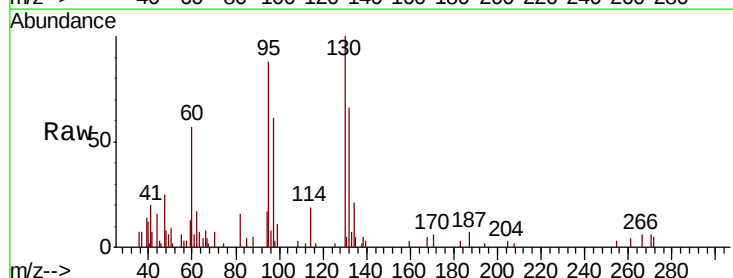
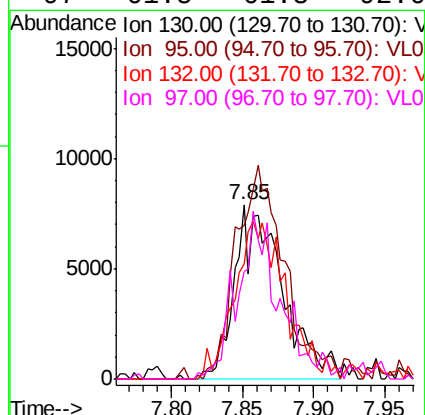
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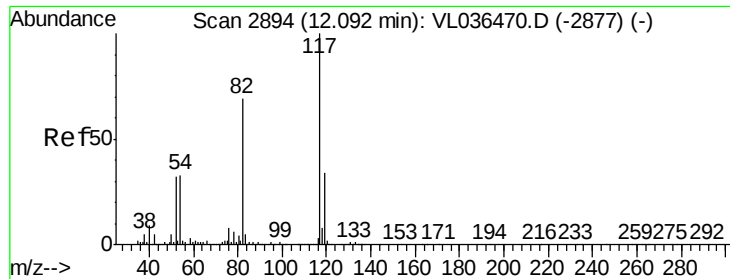
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#38
 Trichloroethene
 Concen: 0.157 ppbv m
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL036517.D
 Acq: 26 Mar 2021 17:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.8	95.7	143.5#
132	66.3	76.2	114.4#
97	61.5	61.8	92.6#





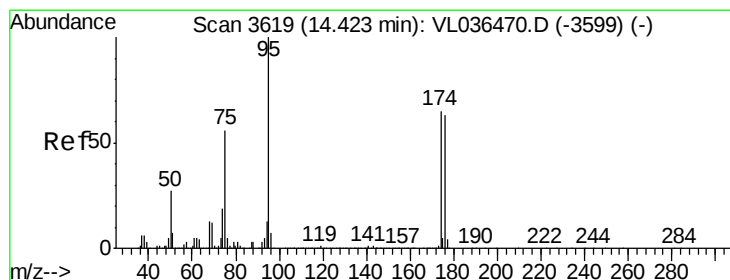
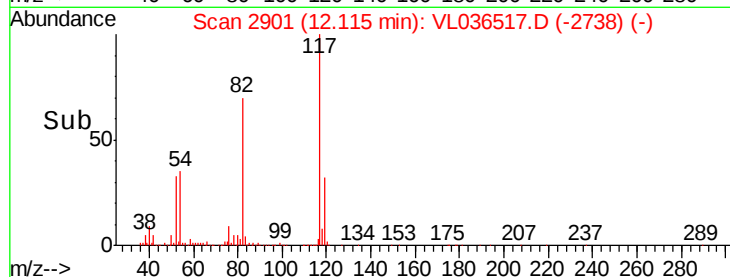
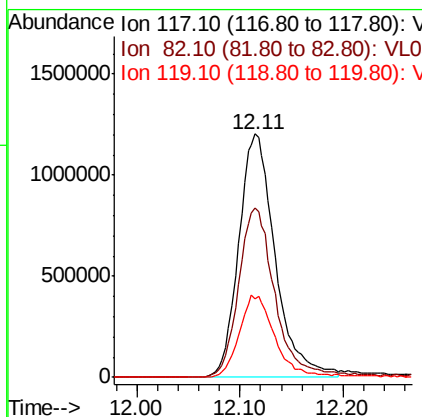
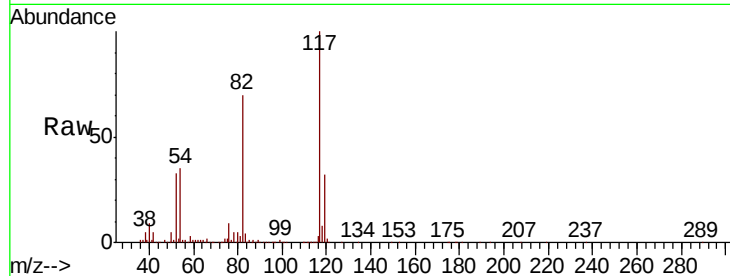
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.02 min
Lab File: VL036517.D
Acq: 26 Mar 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
SS-8-RM-NETXT-TO-GRDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.4	57.4	86.0
119	34.2	47.4	71.0#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.858 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.02 min
Lab File: VL036517.D
Acq: 26 Mar 2021 17:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.1	51.0	76.6
175	4.7	3.9	5.9

