

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036524.D
 Acq On : 26 Mar 2021 21:51
 Operator : SY/AP
 Sample : M1760-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-4-STORAGE-RMDUP

Manual Integrations
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 3/29/2021 4:39:40 PM

Quant Time: Mar 28 21:22:47 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	5.67	49	1414058	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3089748	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2714769	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2140012	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	48155m	0.209	ppbv	
3) Chlorodifluoromethane	2.99	51	76064m	0.288	ppbv	
4) Chloromethane	3.14	50	46089	0.494	ppbv	94
9) Propene	3.02	41	56626	0.672	ppbv	92
11) Trichlorofluoromethane	3.95	101	55247m	0.235	ppbv	
13) Ethanol	3.62	45	695954m	69.388	ppbv	
15) Acetone	3.85	43	947467	6.808	ppbv	97
19) Isopropyl Alcohol	3.98	45	263537m	3.442	ppbv	
20) Methylene Chloride	4.35	84	242231	3.717	ppbv	96
26) Hexane	5.69	57	704491	4.588	ppbv #	48
30) Cyclohexane	7.14	84	37107m	0.298	ppbv	
34) 2-Butanone	5.26	43	65024	0.431	ppbv #	80
35) Carbon Tetrachloride	7.03	117	16200m	0.068	ppbv	
36) Benzene	6.90	78	61715m	0.217	ppbv	
53) Toluene	9.82	91	495736	1.634	ppbv	100
59) m/p-Xylene	12.98	91	75924m	0.220	ppbv	

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

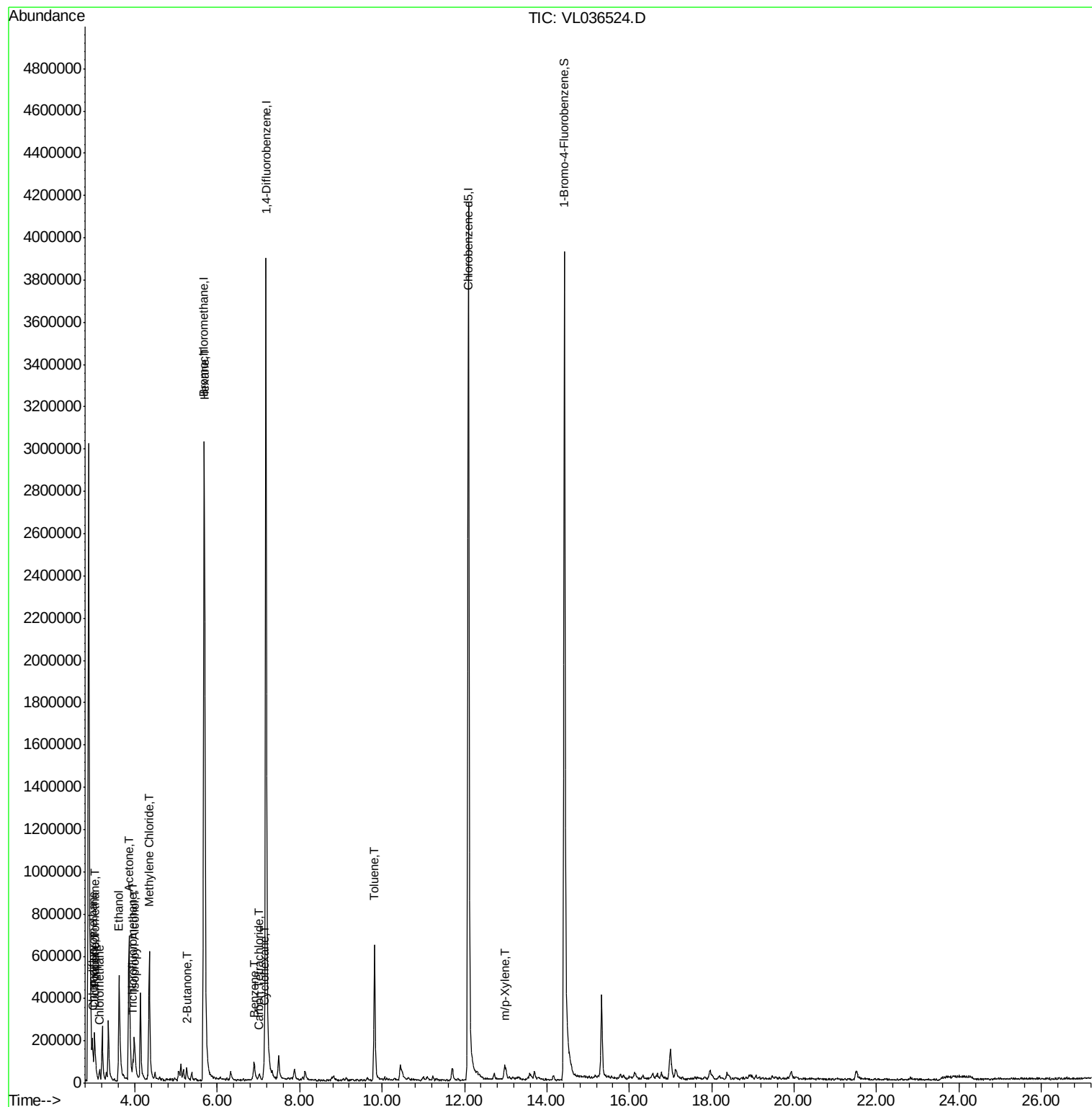
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032621\
Data File : VL036524.D
Acq On : 26 Mar 2021 21:51
Operator : SY/AP
Sample : M1760-01DUP
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

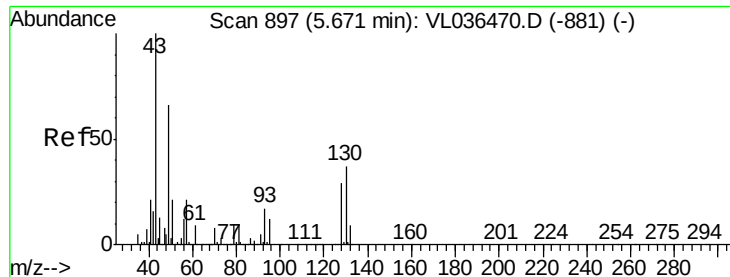
Instrument :
MSVOA_L
ClientSampleId :
IAS-4-STORAGE-RMDUP

Manual Integrations
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Quant Time: Mar 28 21:22:47 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





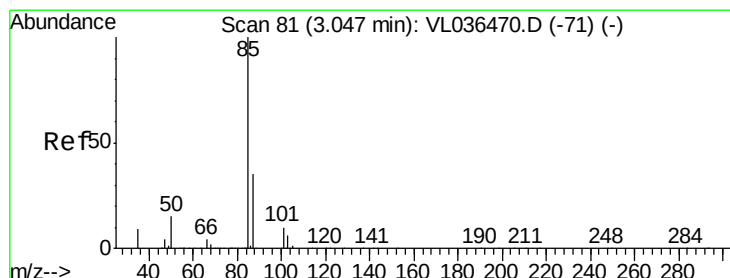
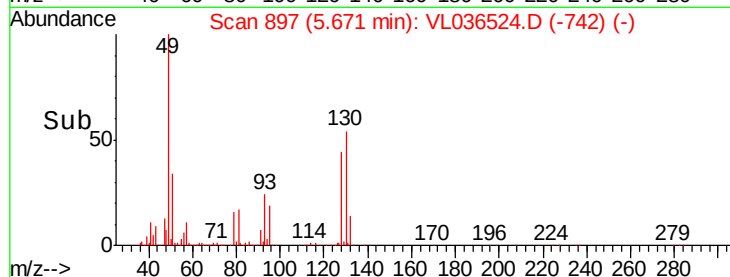
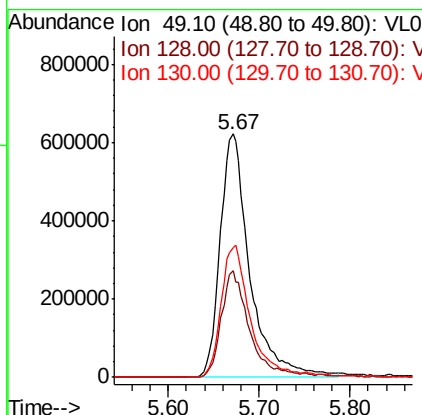
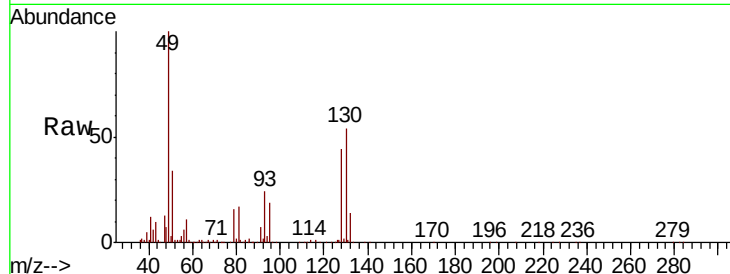
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Instrument :
MSVOA_L
ClientSampleId :
IAS-4-STORAGE-RMDUP

Tot Ion: 49 Resp: 1414058
Ion Ratio Lower Upper
49 100
128 42.9 23.5 70.6
130 54.9 29.1 87.4

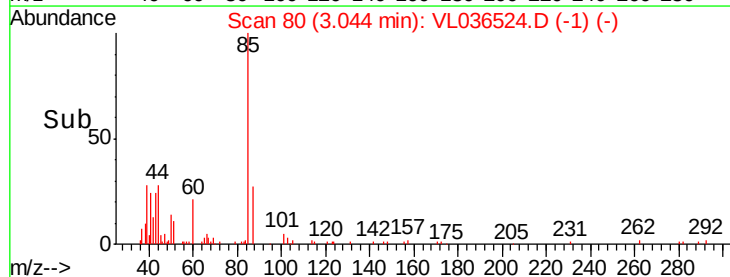
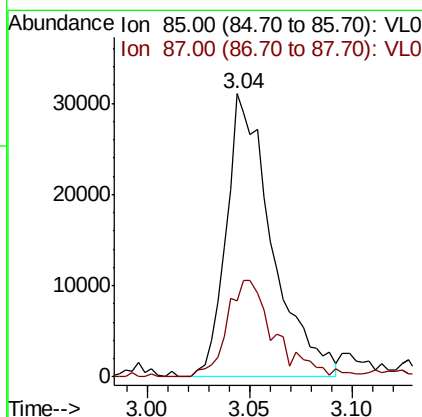
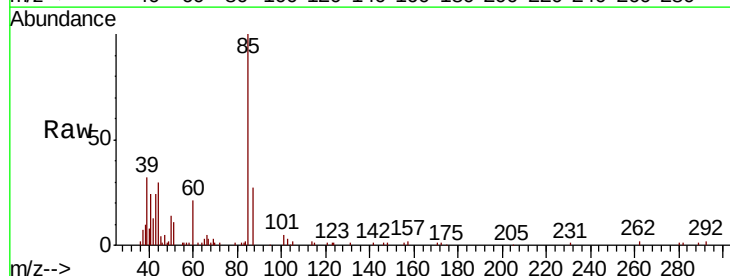
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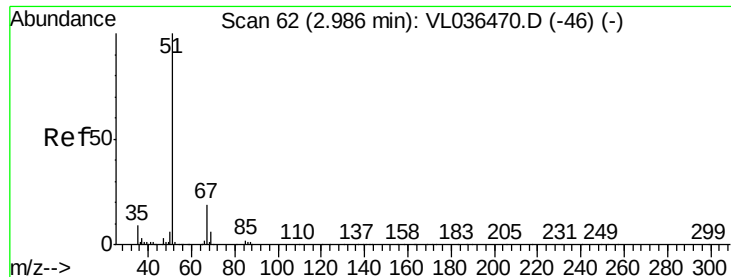
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#2
Dichlorodifluoromethane
Concen: 0.209 ppbv m
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Tgt Ion: 85 Resp: 48155
Ion Ratio Lower Upper
85 100
87 27.1 27.8 41.8#





#3

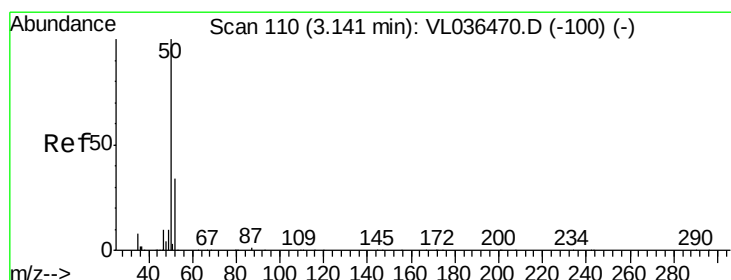
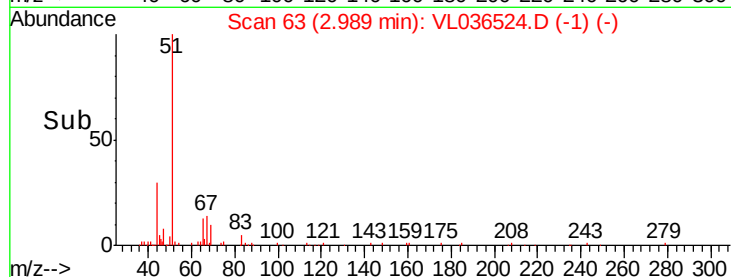
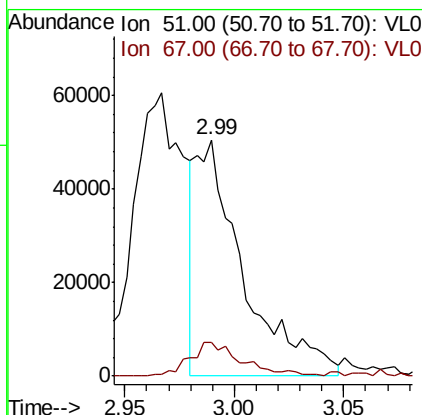
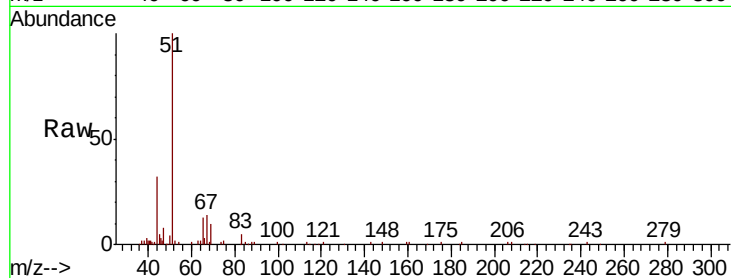
Chlorodifluoromethane
Concen: 0.288 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.00 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Instrument :
MSVOA_L
ClientSampleId :
IAS-4-STORAGE-RMDUP

Tot Ion	Ratio	Lower	Upper
51	100		
67	16.5	14.7	22.1

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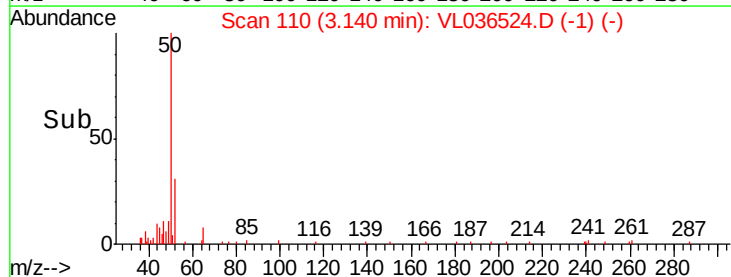
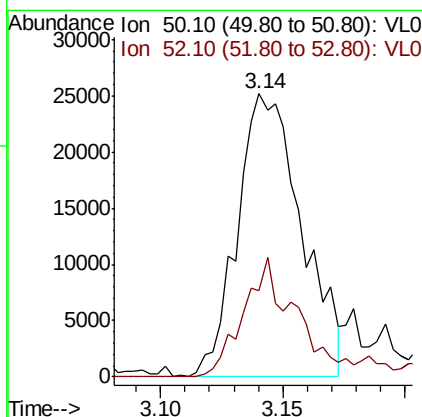
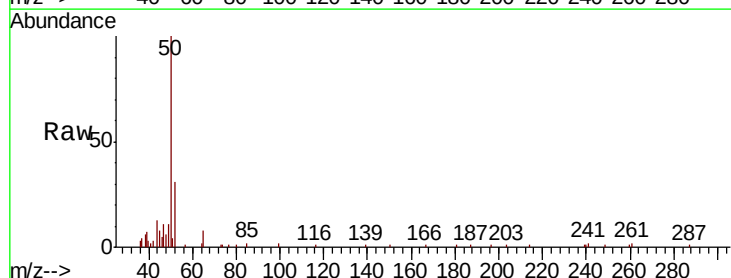
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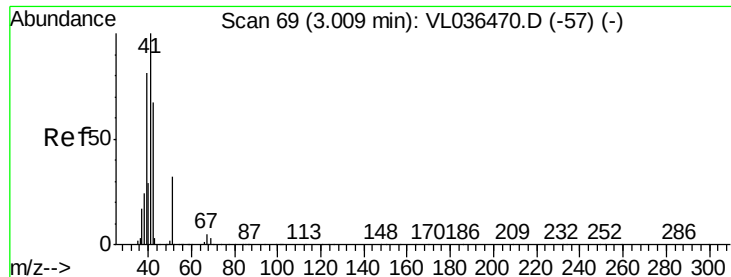


#4

Chloromethane
Concen: 0.494 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.6	27.0	40.6





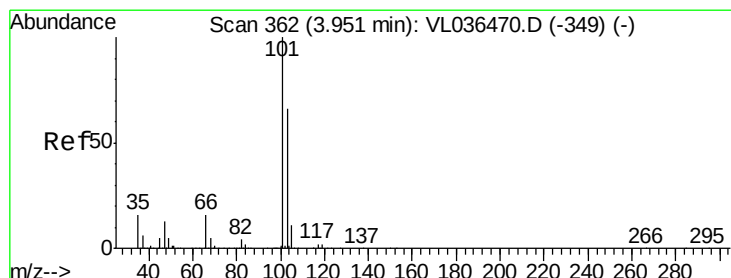
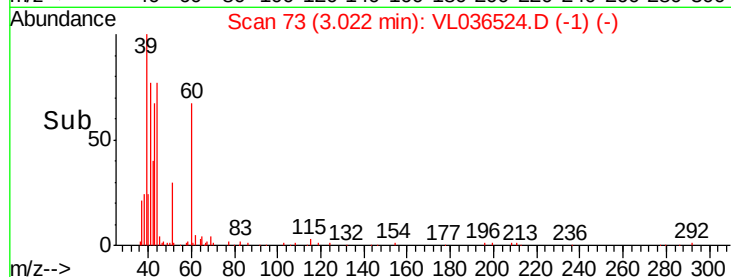
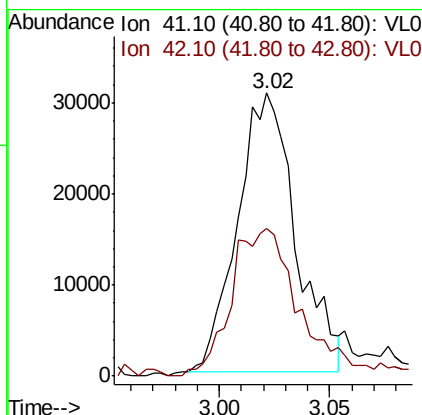
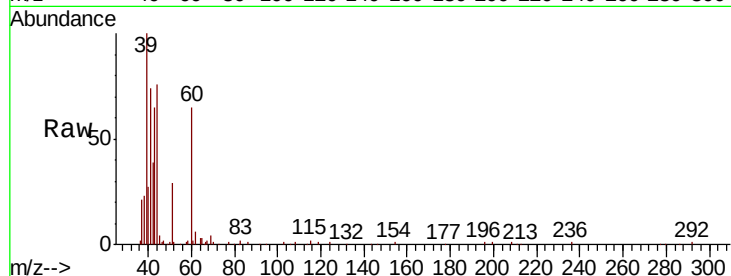
#9
 Propene
 Concen: 0.672 ppbv
 RT: 3.02 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: VL036524.D
 Acq: 26 Mar 2021 21:51

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-4-STORAGE-RMDUP

Tot Ion: 41 Resp: 56626
 Ion Ratio Lower Upper
 41 100
 42 64.9 57.0 85.4

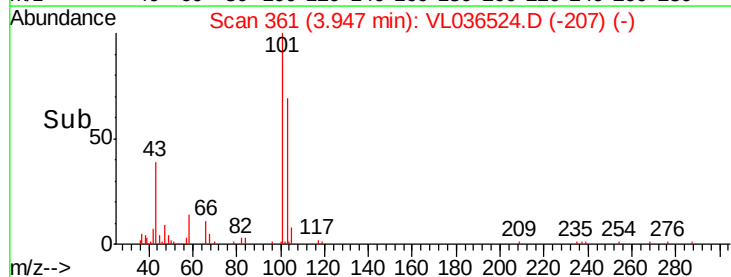
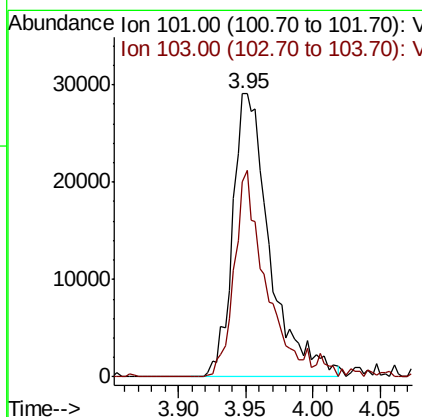
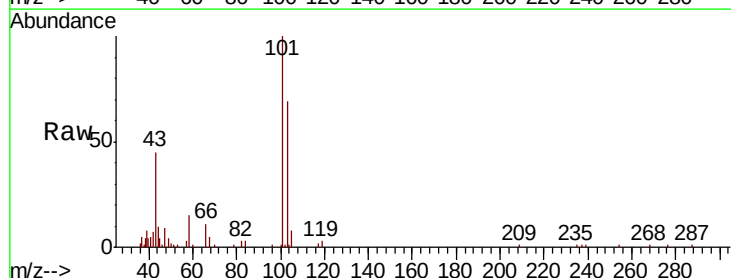
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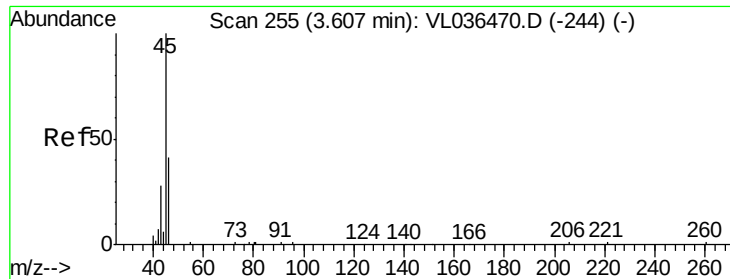
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#11
 Trichlorofluoromethane
 Concen: 0.235 ppbv m
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL036524.D
 Acq: 26 Mar 2021 21:51

Tgt Ion: 101 Resp: 55247
 Ion Ratio Lower Upper
 101 100
 103 68.8 52.5 78.7





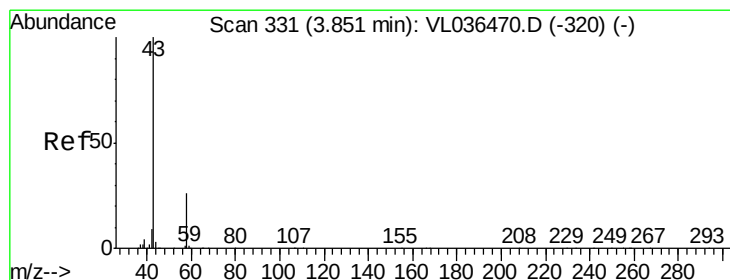
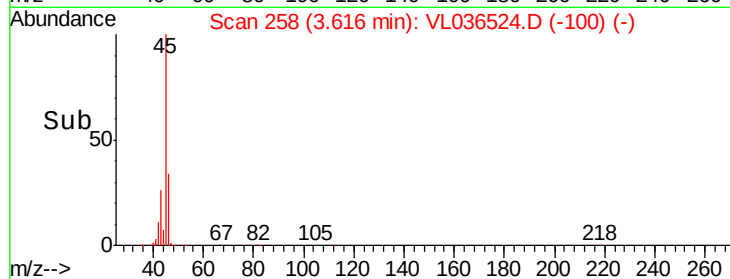
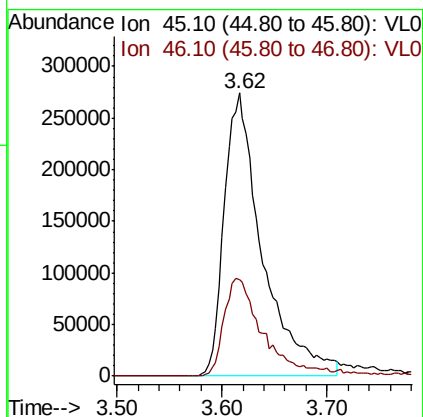
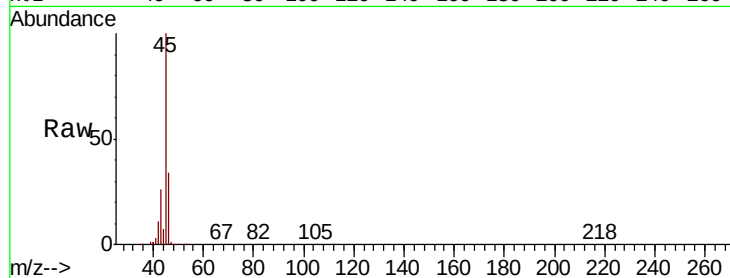
#13
Ethanol
Concen: 69.388 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Instrument :
MSVOA_L
ClientSampleId :
IAS-4-STORAGE-RMDUP

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.2	16.6	66.2

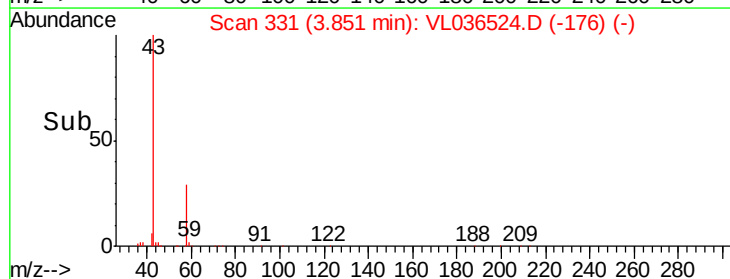
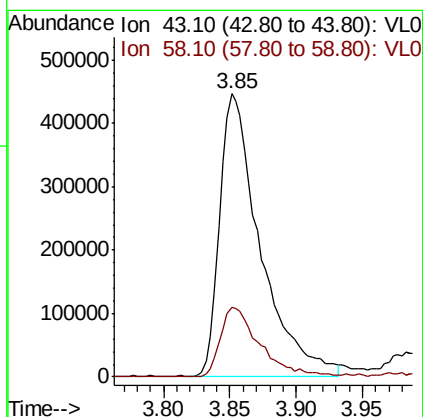
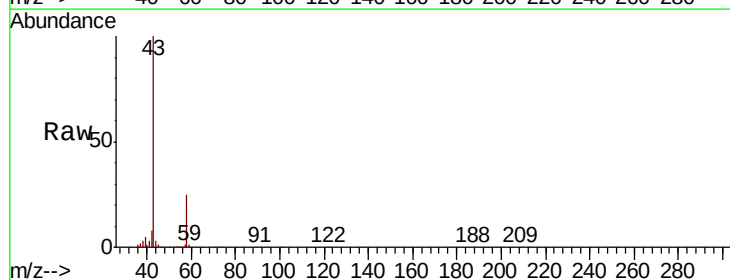
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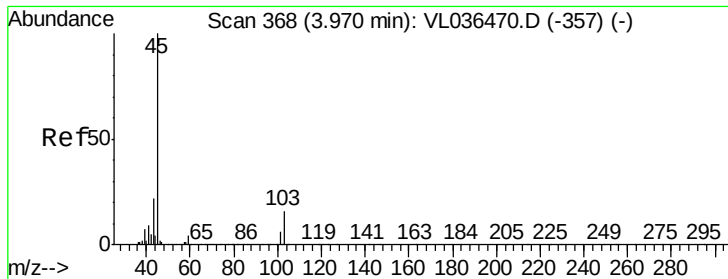
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#15
Acetone
Concen: 6.808 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.7	21.2	31.8





#19

Isopropyl Alcohol

Concen: 3.442 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL036524.D

Acq: 26 Mar 2021 21:51

Instrument :

MSVOA_L

ClientSampleId :

IAS-4-STORAGE-RMDUP

Tot Ion: 45 Resp: 263537

Ion Ratio Lower Upper

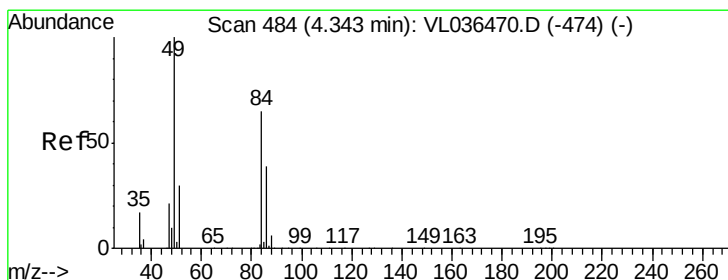
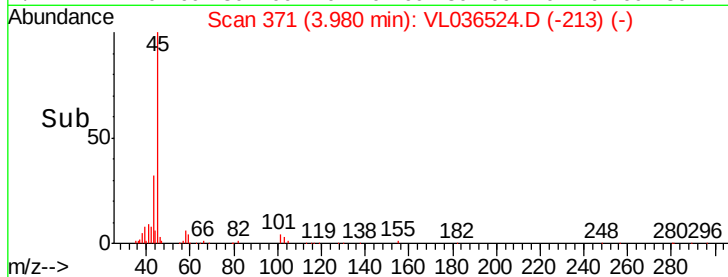
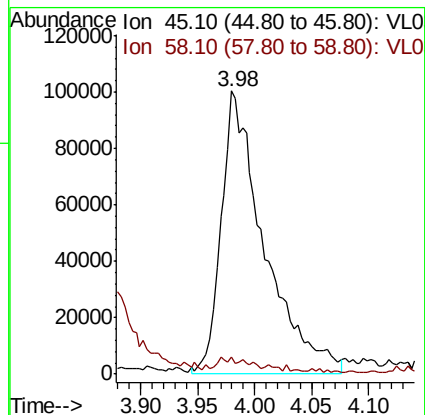
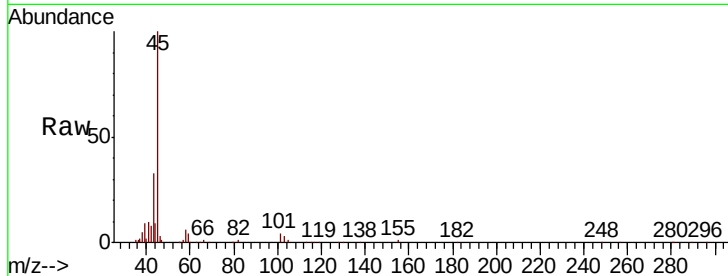
45 100

58 4.3 2.9 4.3

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#20

Methylene Chloride

Concen: 3.717 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL036524.D

Acq: 26 Mar 2021 21:51

Tgt Ion: 84 Resp: 242231

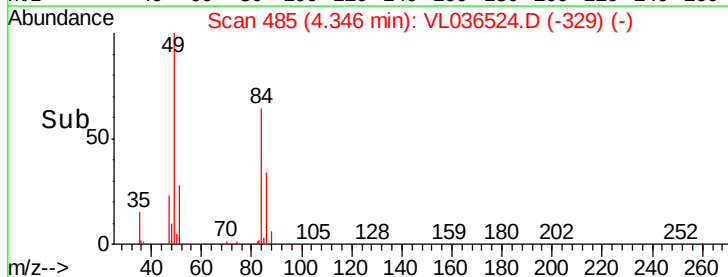
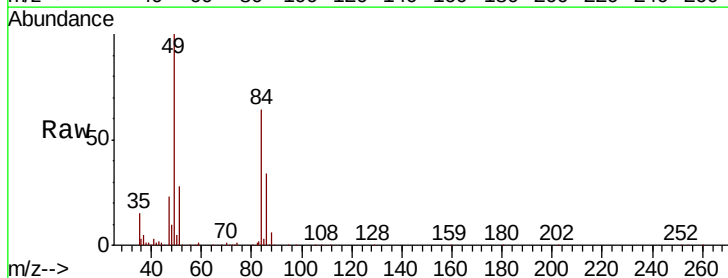
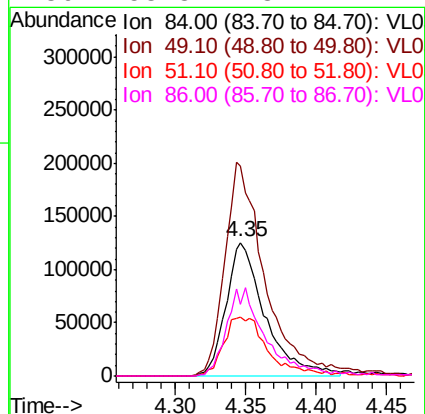
Ion Ratio Lower Upper

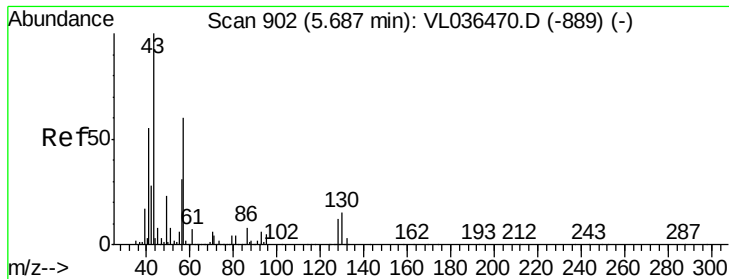
84 100

49 156.8 122.9 184.3

51 43.7 36.9 55.3

86 53.8 48.2 72.4





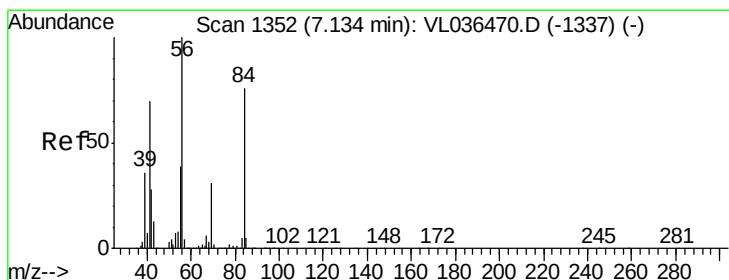
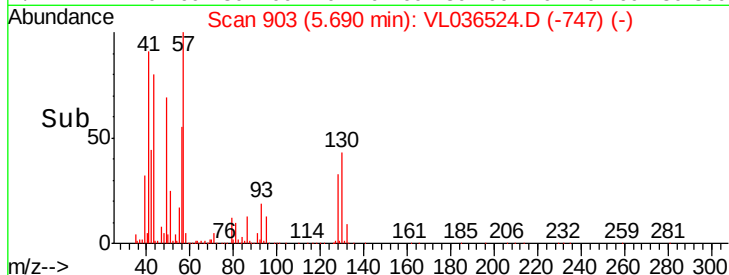
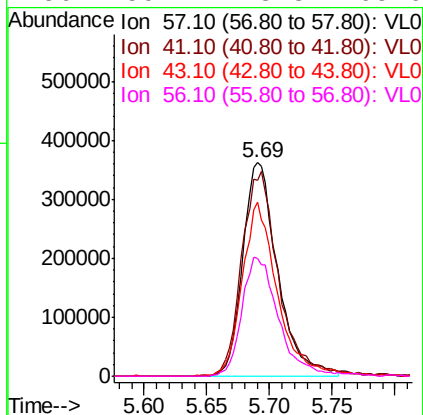
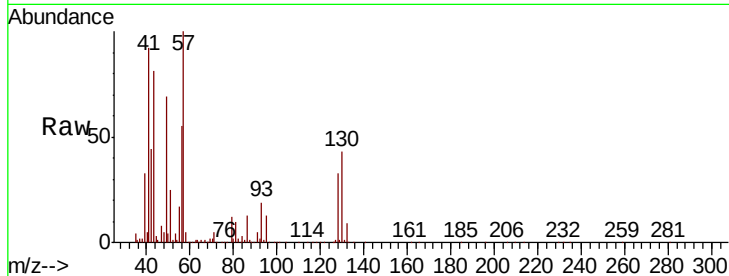
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Hexane
Concen: 4.588 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Instrument :
MSVOA_L
ClientSampleId :
IAS-4-STORAGE-RMDUP

Tot Ion	57	Resp	704491
Ion	Ratio	Lower	Upper
57	100		
41	102.2	77.2	115.8
43	81.8	173.8	260.6#
56	59.1	43.8	65.6

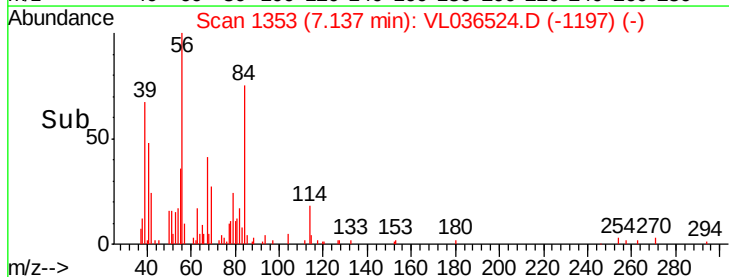
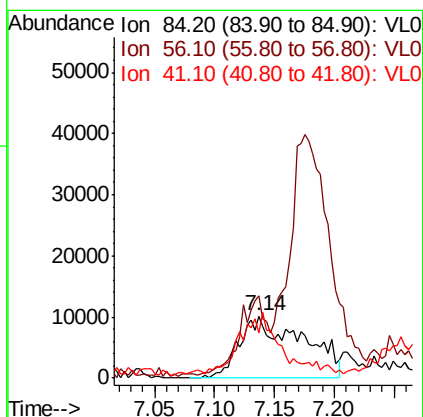
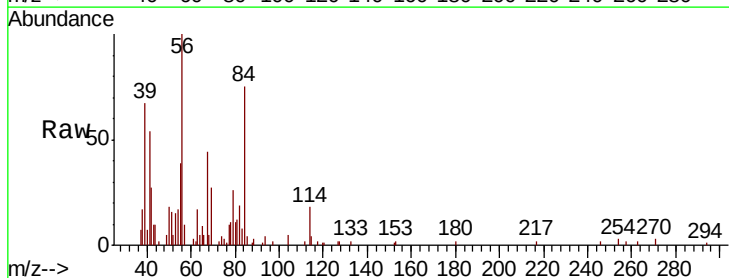
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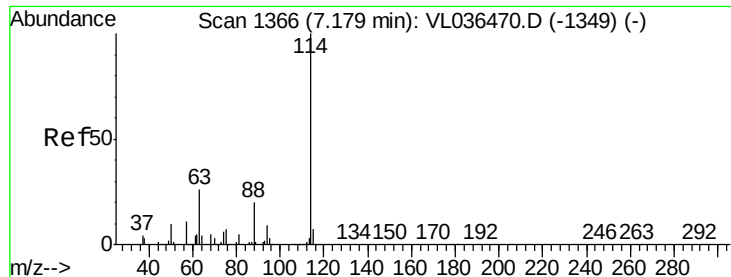
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#30
Cyclohexane
Concen: 0.298 ppbv m
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Tgt Ion	84	Resp	37107
Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.6	171.8#
41	0.0	75.3	112.9#





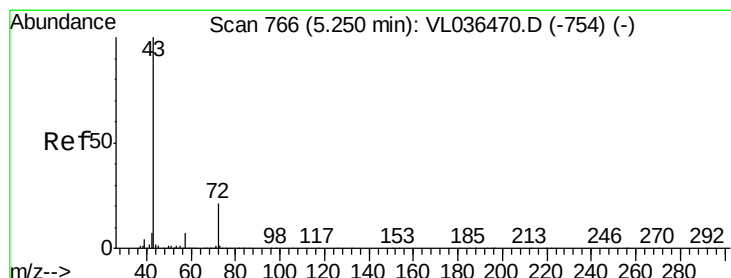
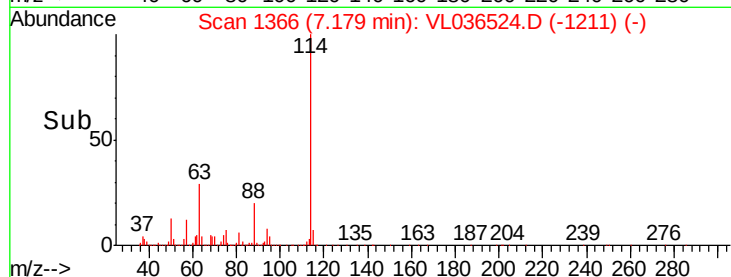
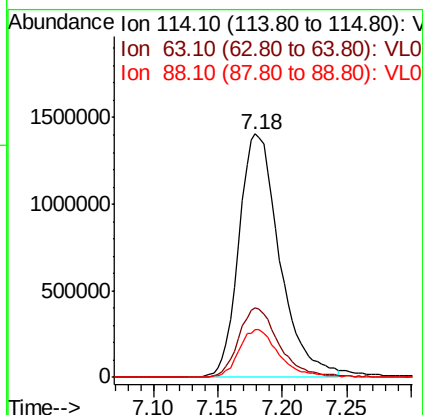
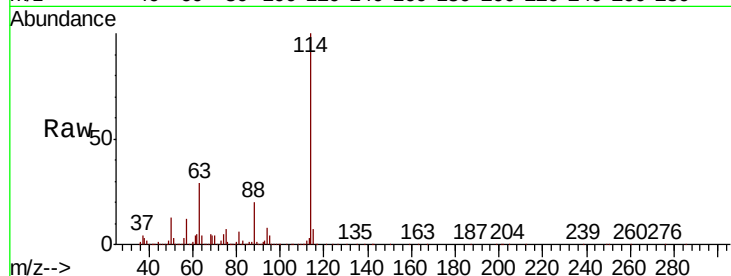
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VL036524.D
 Acq: 26 Mar 2021 21:51

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-4-STORAGE-RMDUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.1	22.4	33.6
88	19.6	15.4	23.0

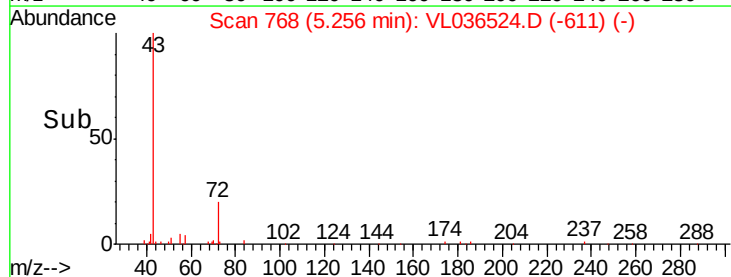
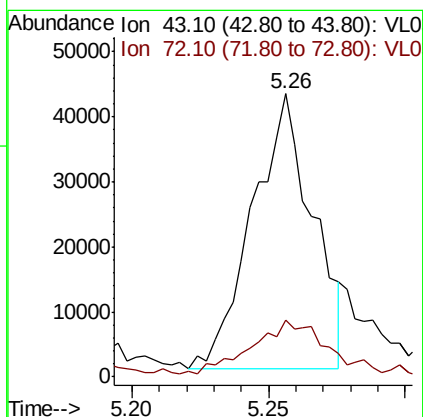
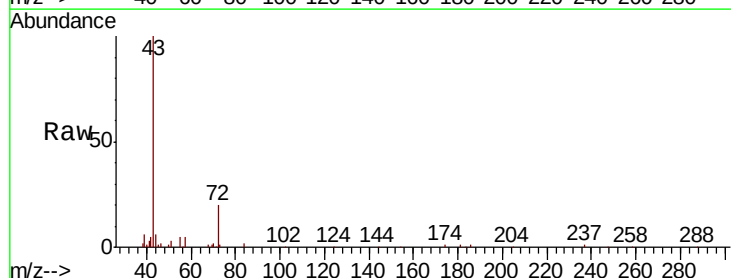
Manual Integrations
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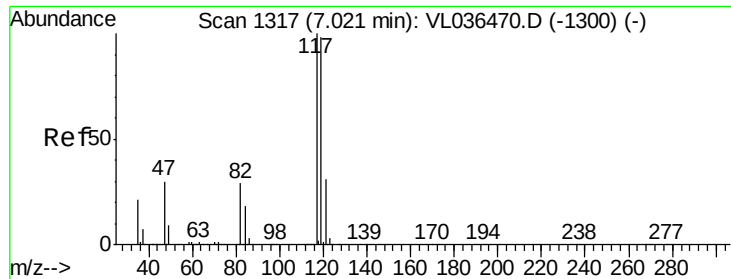
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#34
 2-Butanone
 Concen: 0.431 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL036524.D
 Acq: 26 Mar 2021 21:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.7	17.0	25.6





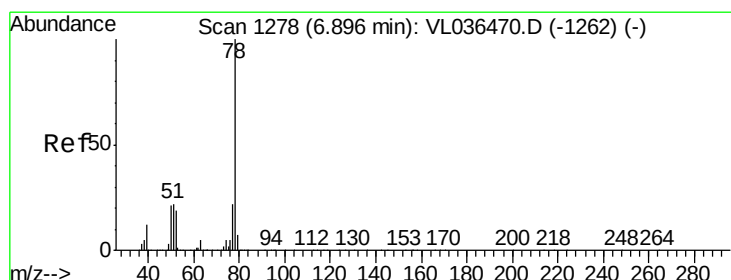
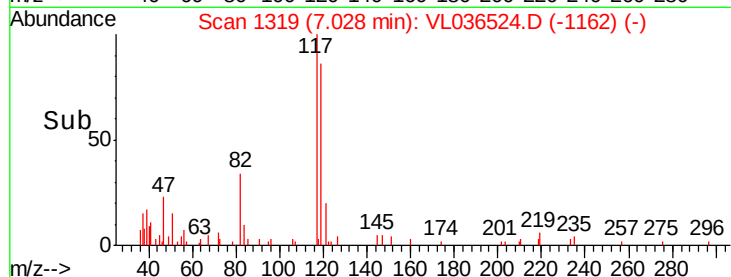
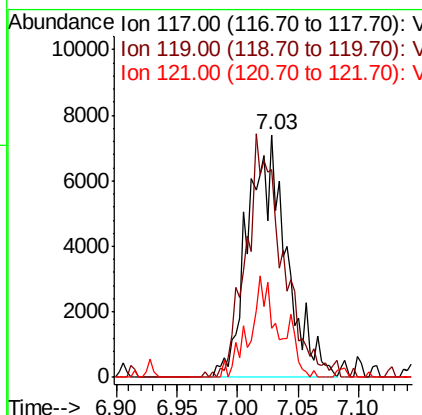
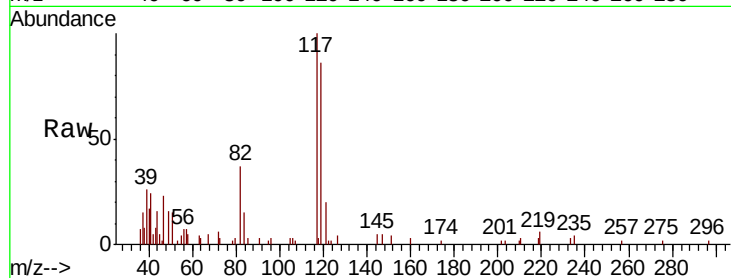
#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 7.03 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Instrument :
MSVOA_L
ClientSampleId :
IAS-4-STORAGE-RMDUP

Tot Ion	Ratio	Lower	Upper
117	100		
119	85.6	78.2	117.2
121	20.1	24.5	36.7#

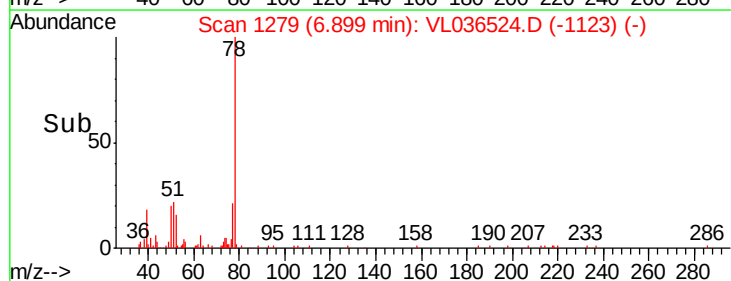
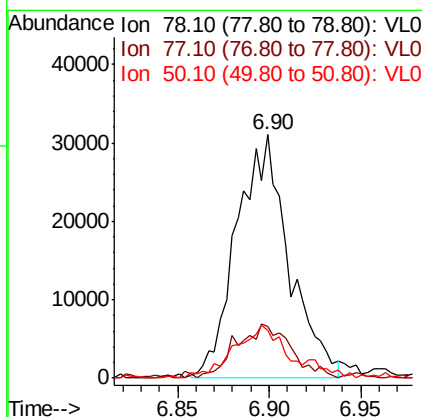
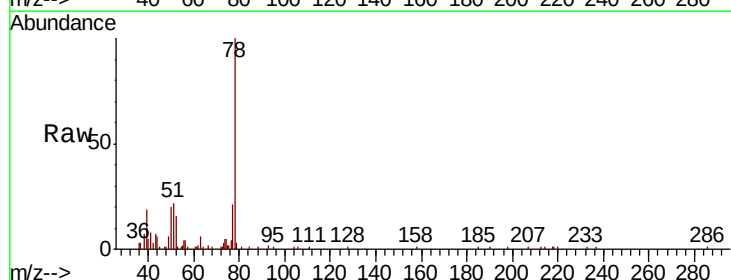
Manual Integrations
APPROVED

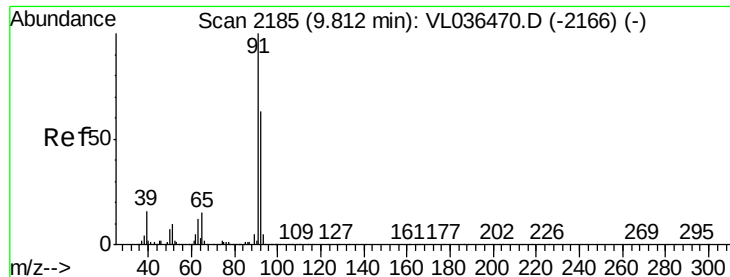
MMDadoda
3/29/2021 4:39:40 PM



#36
Benzene
Concen: 0.217 ppbv m
RT: 6.90 min Scan# 1279
Delta R.T. 0.00 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.0	27.0
50	19.7	16.5	24.7





#53

Toluene

Concen: 1.634 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL036524.D

Acq: 26 Mar 2021 21:51

Instrument :

MSVOA_L

ClientSampleId :

IAS-4-STORAGE-RMDUP

Tot Ion: 91 Resp: 495736

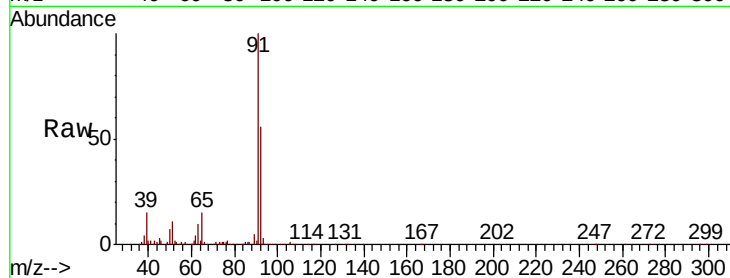
Ion Ratio Lower Upper

91 100

92 61.0 48.8 73.2

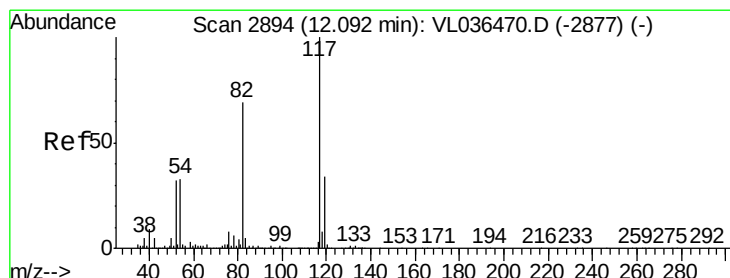
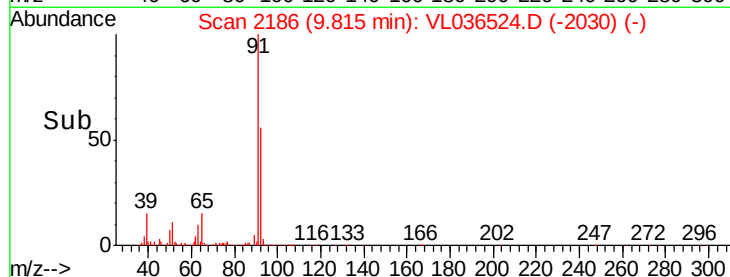
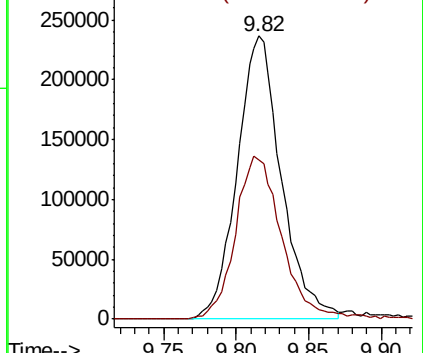
Manual Integrations
APPROVED

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL036524.D

Acq: 26 Mar 2021 21:51

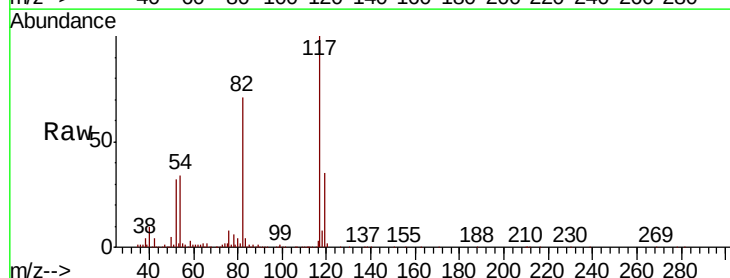
Tgt Ion: 117 Resp: 2714769

Ion Ratio Lower Upper

117 100

82 71.6 57.4 86.0

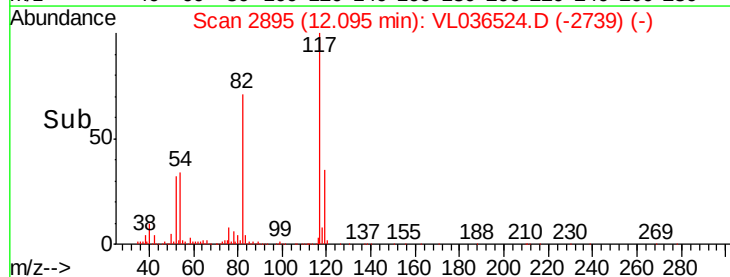
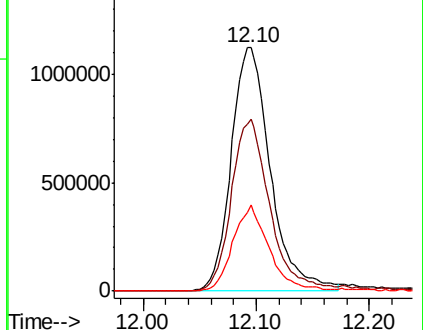
119 33.6 47.4 71.0#

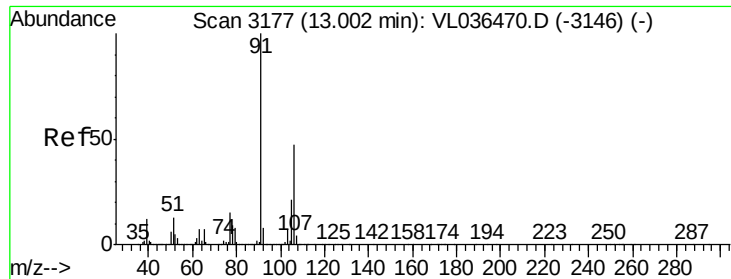


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





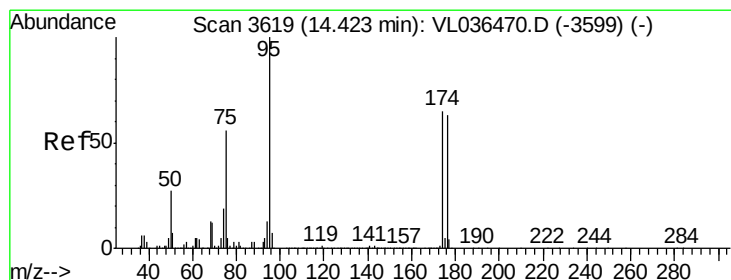
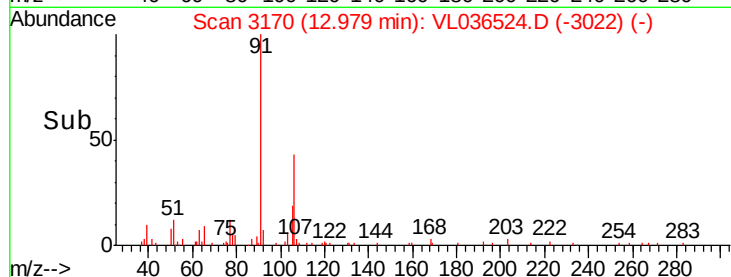
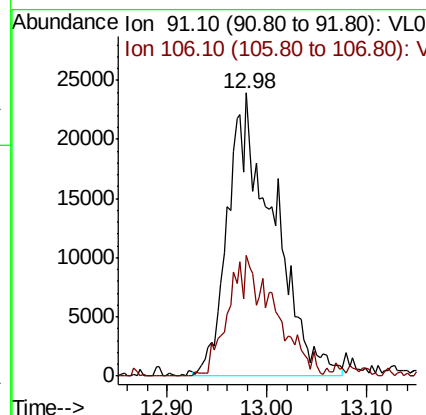
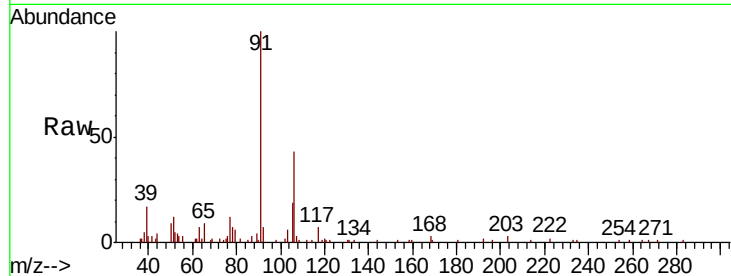
#59
m/p-Xylene
Concen: 0.220 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. -0.02 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Instrument :
MSVOA_L
ClientSampleId :
IAS-4-STORAGE-RMDUP

Tot Ion: 91 Resp: 75924
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.891 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL036524.D
Acq: 26 Mar 2021 21:51

Tgt Ion: 95 Resp: 2140012
Ion Ratio Lower Upper
95 100
174 64.8 51.0 76.6
175 4.6 3.9 5.9

