

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037036.D
 Acq On : 20 May 2021 22:58
 Operator : SY/AP
 Sample : M2424-06DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-07DL

Manual Integrations
 APPROVED

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Quant Time: May 22 23:31:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1128757	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.13	114	3313729	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.04	117	2946279	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2161838	9.77	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	28096m	2.844	ppbv	
15) Acetone	3.83	43	908119	7.855	ppbv	99
34) 2-Butanone	5.23	43	52439	0.435	ppbv #	72
53) Toluene	9.76	91	70112	0.206	ppbv	96

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

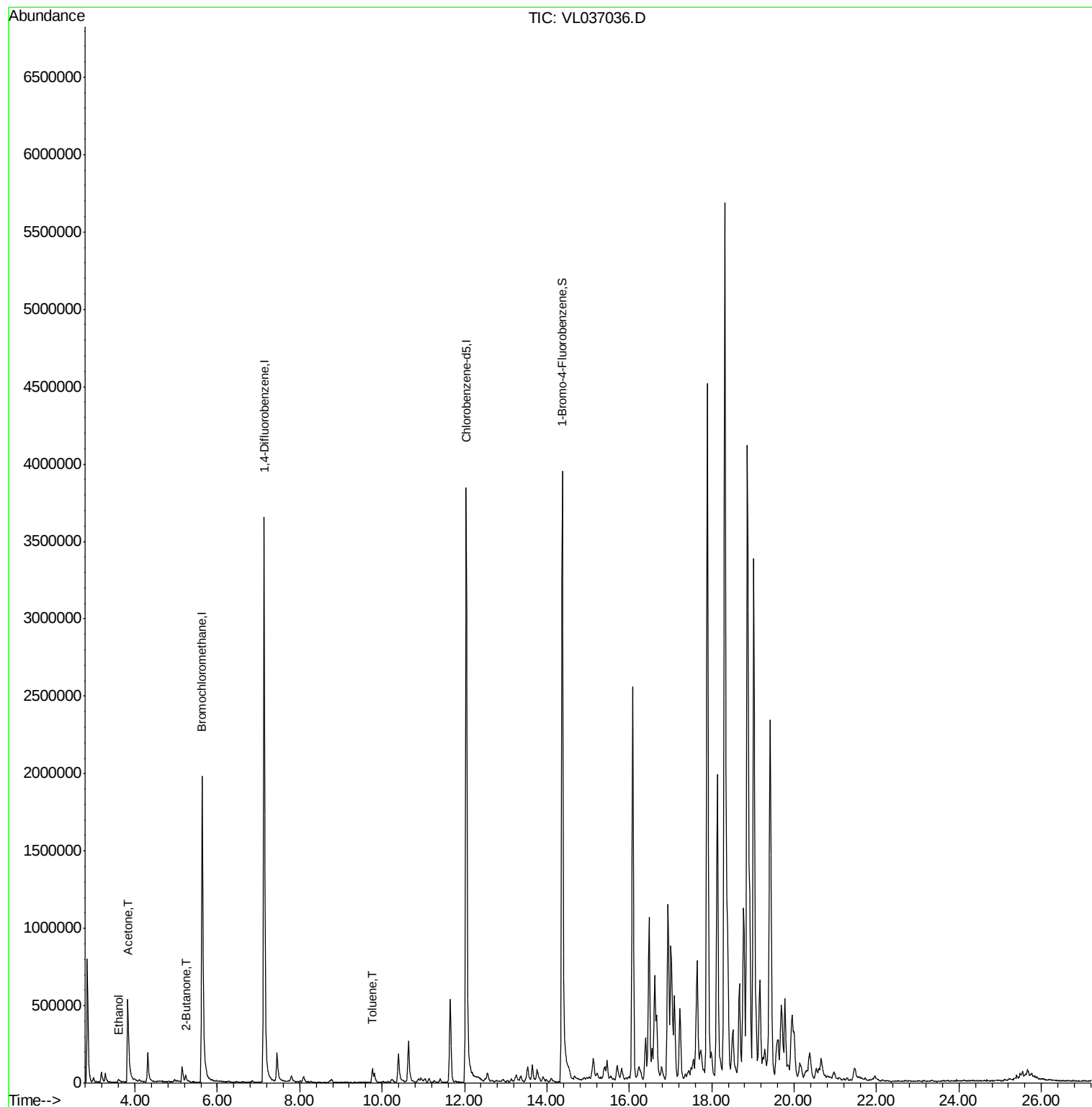
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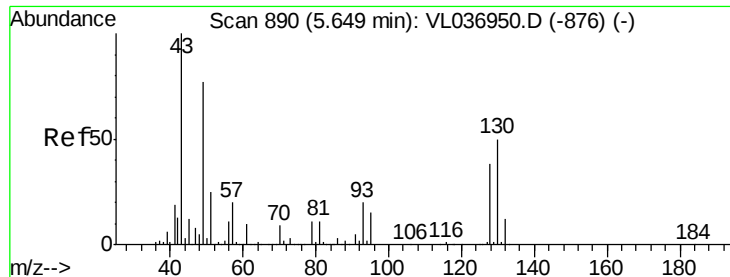
Instrument :
MSVOA_L
ClientSampleId :
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5/24/2021 3:27:28 PM

Quant Time: May 22 23:31:24 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 884

Delta R.T. -0.02 min

Lab File: VL037036.D

Acq: 20 May 2021 22:58

Instrument :

MSVOA_L

ClientSampleId :

KSV-07DL

Tot Ion: 49 Resp: 1128757

Ion Ratio Lower Upper

49 100

128 56.2 26.9 80.7

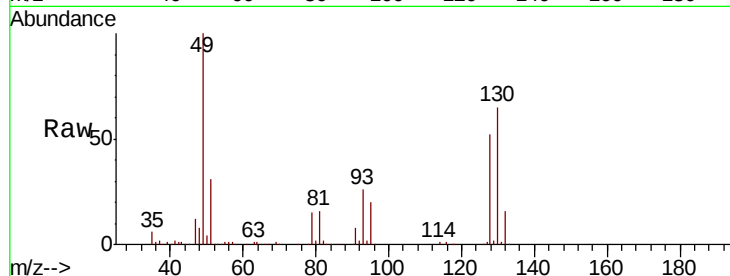
130 72.4 33.8 101.4

Manual Integrations

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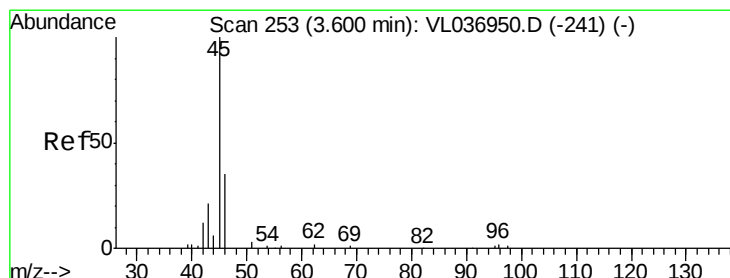
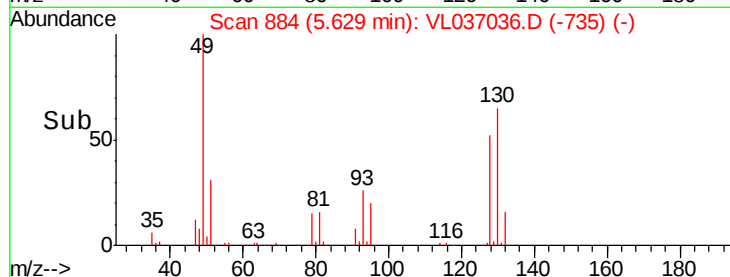
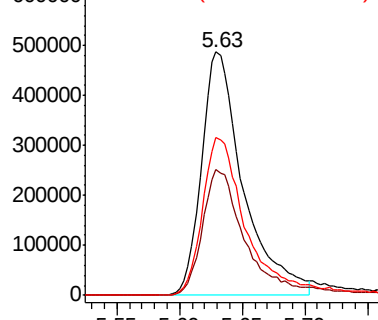
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 2.844 ppbv m

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL037036.D

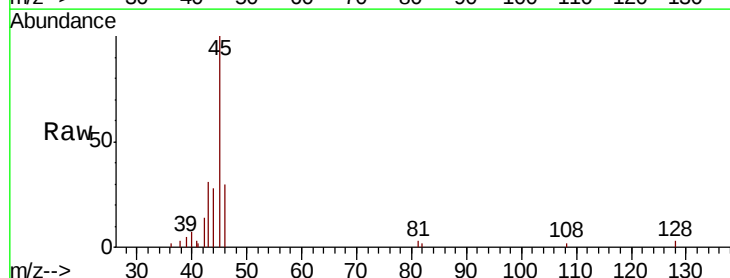
Acq: 20 May 2021 22:58

Tgt Ion: 45 Resp: 28096

Ion Ratio Lower Upper

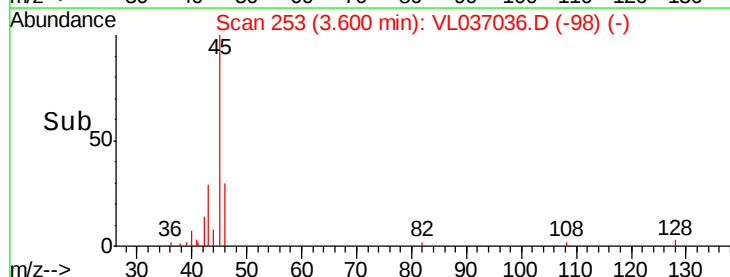
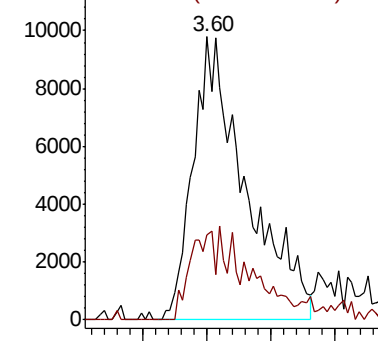
45 100

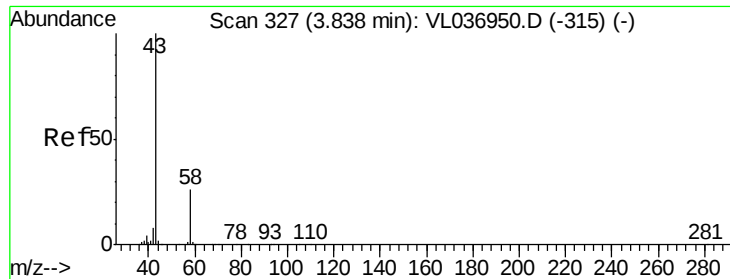
46 0.0 16.3 65.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





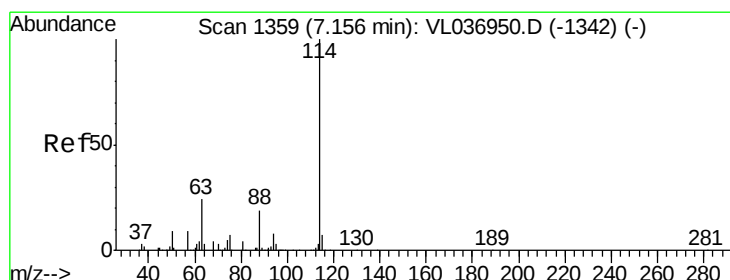
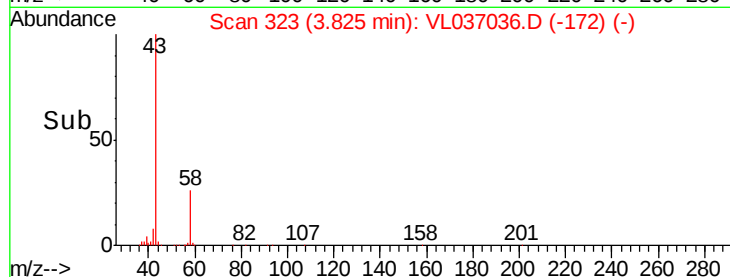
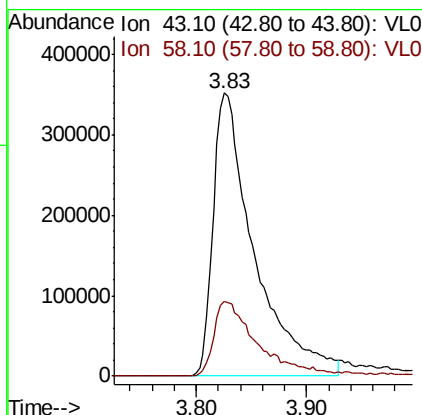
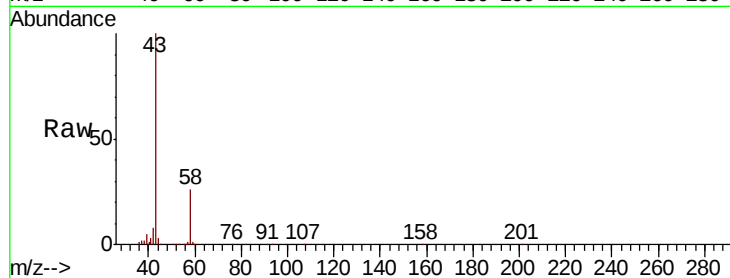
#15
Acetone
Concen: 7.855 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL037036.D
Acq: 20 May 2021 22:58

Instrument :
MSVOA_L
ClientSampleId :
KSV-07DL

Tot Ion	43	Resp	908119
Ion Ratio	100	Lower	Upper
43	100		
58	29.4	24.0	36.0

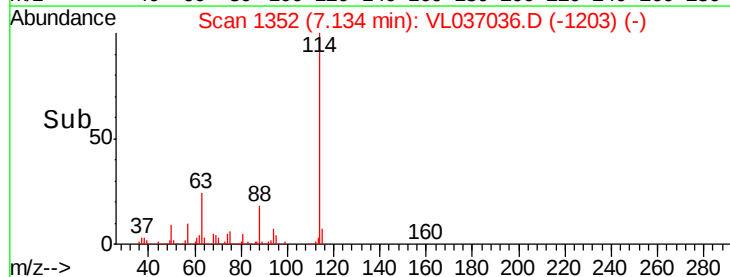
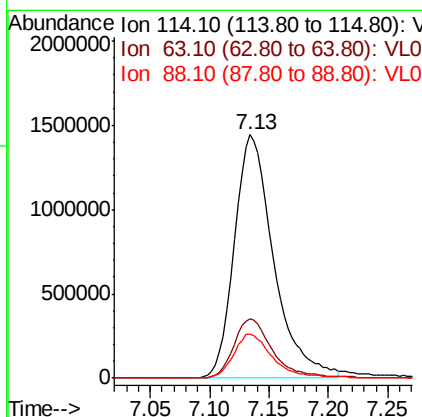
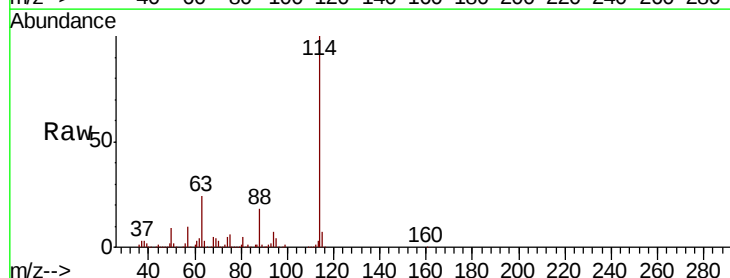
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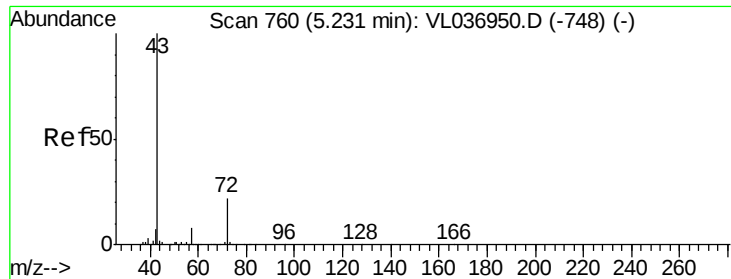
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.02 min
Lab File: VL037036.D
Acq: 20 May 2021 22:58

Tgt Ion	114	Resp	3313729
Ion Ratio	100	Lower	Upper
114	100		
63	24.7	19.6	29.4
88	18.3	14.6	21.8





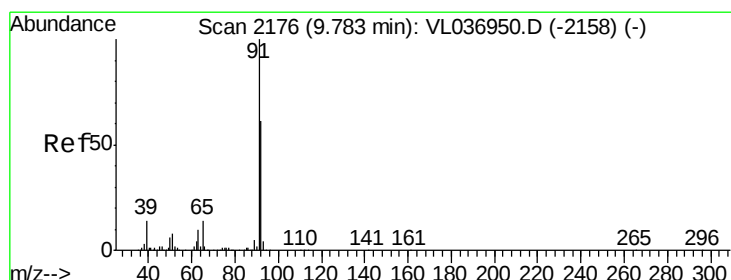
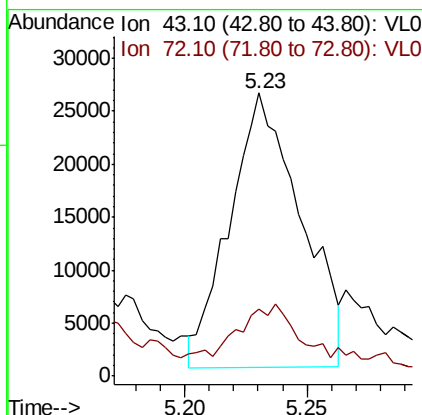
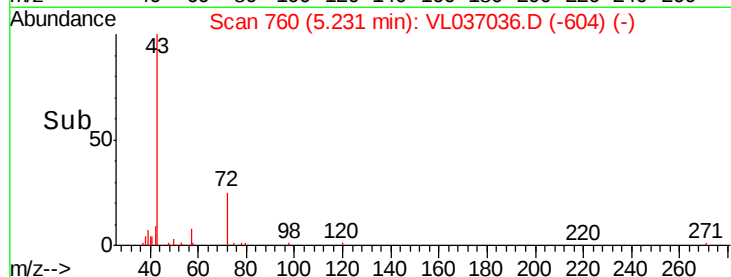
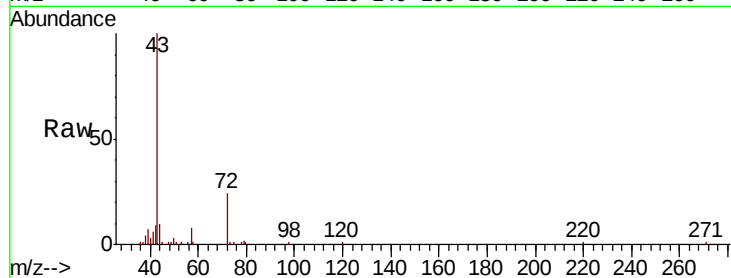
#34
 2-Butanone
 Concen: 0.435 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL037036.D
 Acq: 20 May 2021 22:58

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-07DL

Tot Ion: 43 Resp: 52439
 Ion Ratio Lower Upper
 43 100
 72 37.3 19.0 28.4#

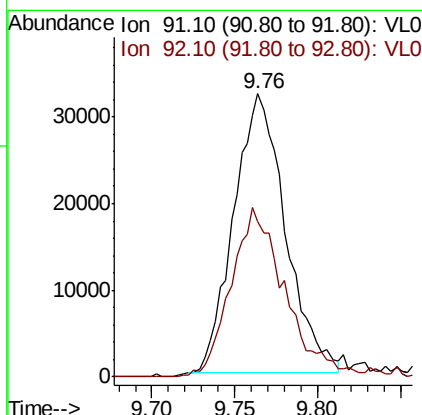
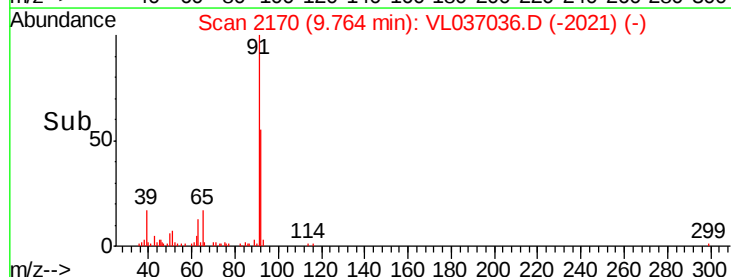
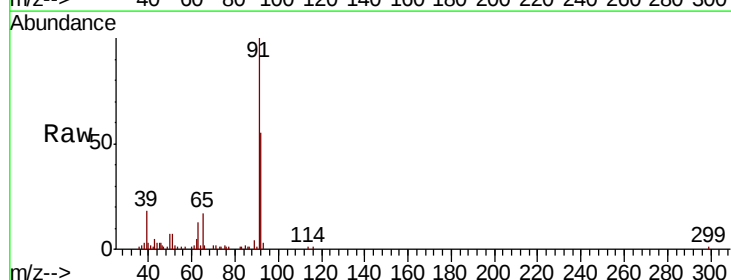
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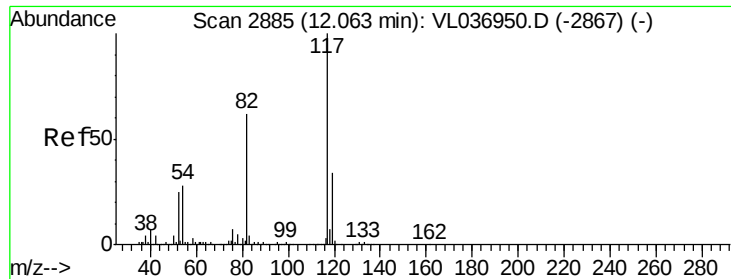
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#53
 Toluene
 Concen: 0.206 ppbv
 RT: 9.76 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: VL037036.D
 Acq: 20 May 2021 22:58

Tgt Ion: 91 Resp: 70112
 Ion Ratio Lower Upper
 91 100
 92 64.7 49.5 74.3





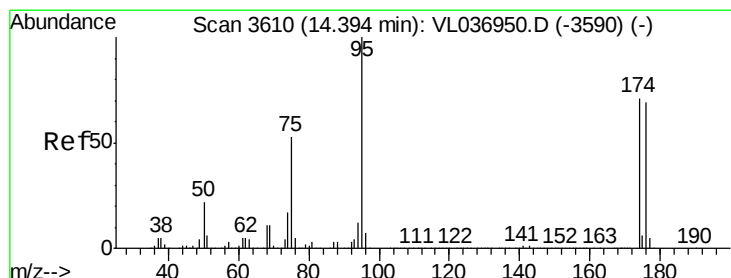
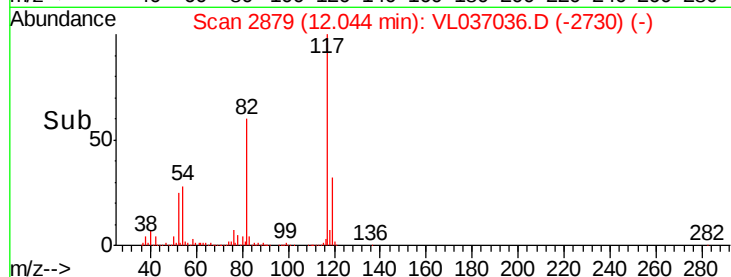
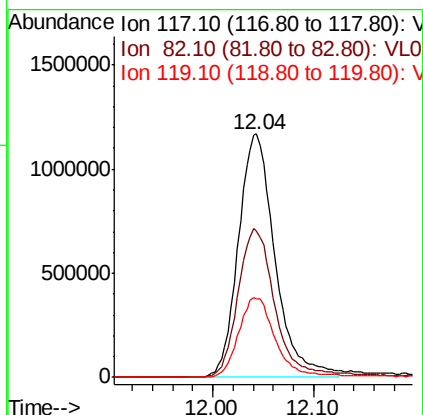
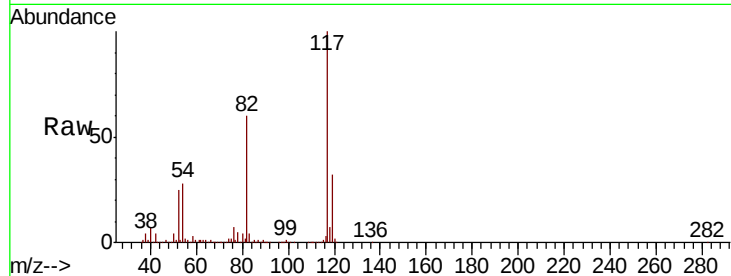
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min Scan# 2879
Delta R.T. -0.02 min
Lab File: VL037036.D
Acq: 20 May 2021 22:58

Instrument :
MSVOA_L
ClientSampleId :
KSV-07DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.6	52.6	79.0
119	33.6	46.6	70.0#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.767 ppbv
RT: 14.37 min Scan# 3604
Delta R.T. -0.02 min
Lab File: VL037036.D
Acq: 20 May 2021 22:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	58.4	87.6
175	5.4	4.4	6.6

