

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

Quant Time: May 21 01:19:34 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 12:00:15 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%

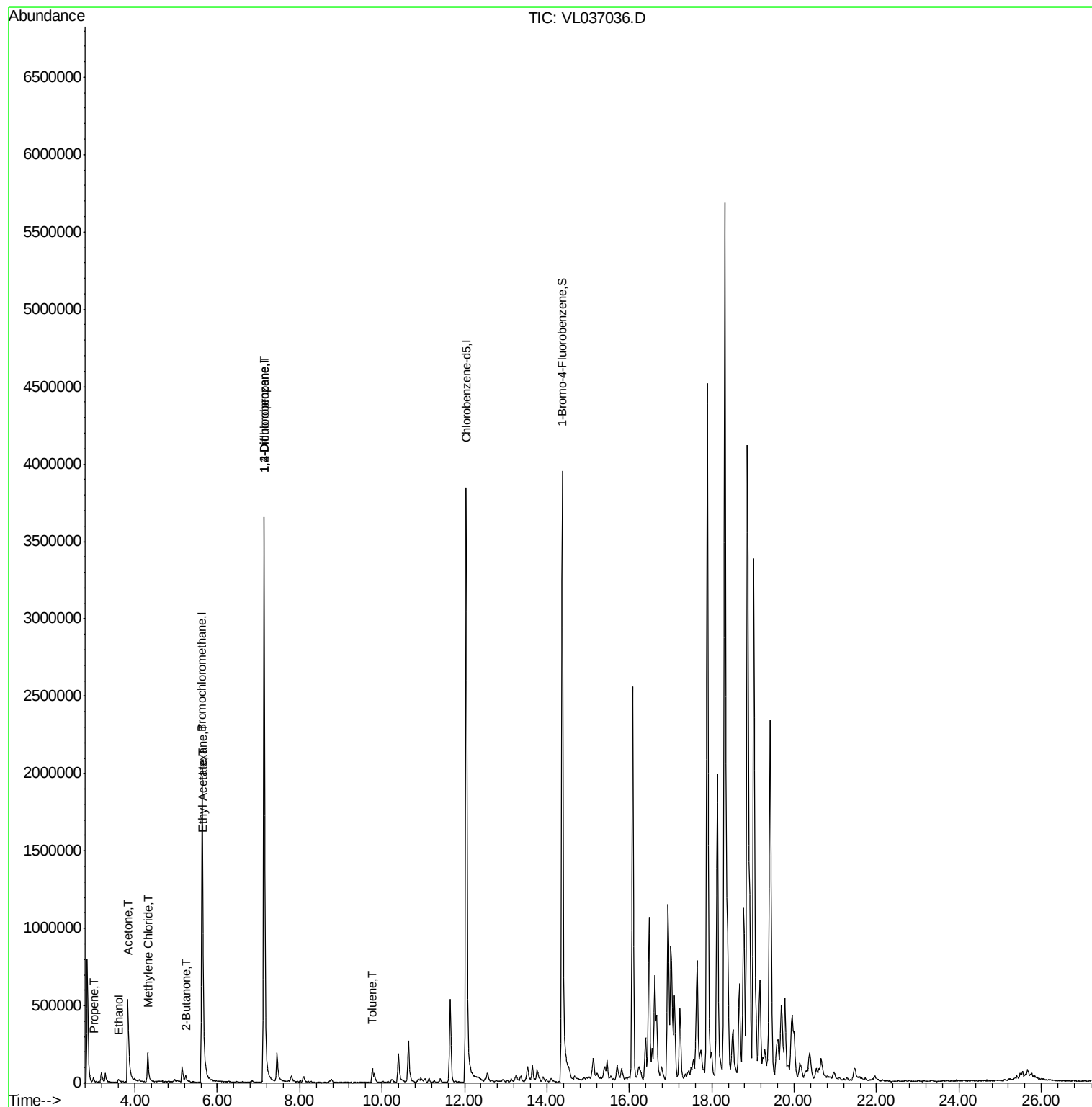
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	12096	0.163	ppbv	96
13) Ethanol	3.60	45	10247	1.037	ppbv #	35
15) Acetone	3.83	43	908119	7.855	ppbv	99
20) Methylene Chloride	4.31	84	47554	0.767	ppbv	94
25) Ethyl Acetate	5.65	43	66324	0.239	ppbv #	96
26) Hexane	5.65	57	52749	0.372	ppbv #	62
34) 2-Butanone	5.23	43	52439	0.435	ppbv #	72
39) 1,2-Dichloropropane	7.13	63	790138	7.186	ppbv #	25
53) Toluene	9.76	91	70112	0.206	ppbv	96

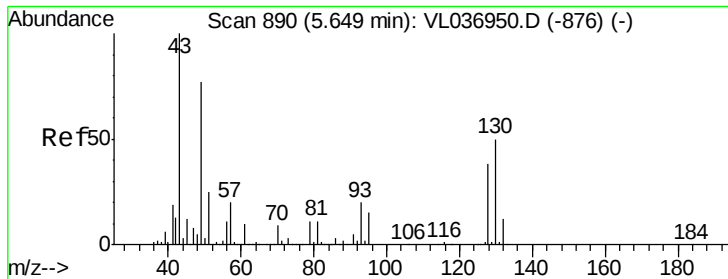
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 18 12:00:15 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 884

Delta R.T. -0.02 min

Lab File: VL037036.D

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Instrument :

MSVOA_L

ClientSampleId :

KSV-07DL

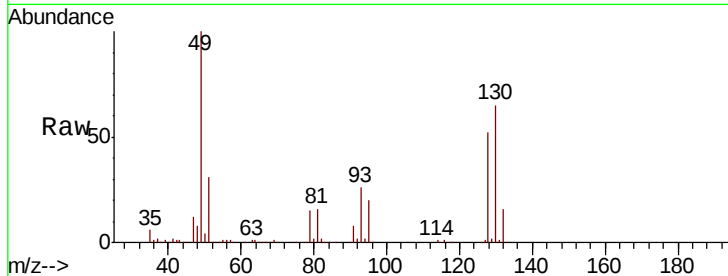
Tot Ion: 49 Resp: 1128757

Ion Ratio Lower Upper

49 100

128 56.2 26.9 80.7

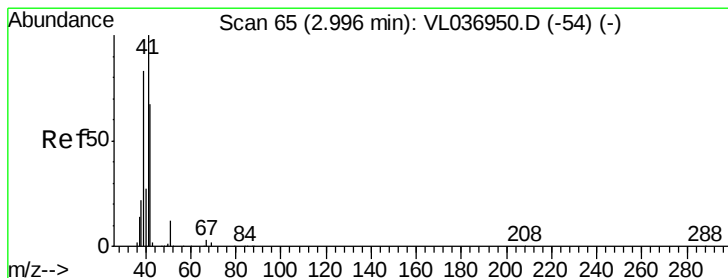
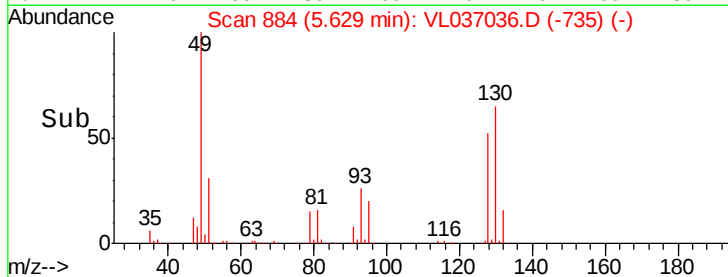
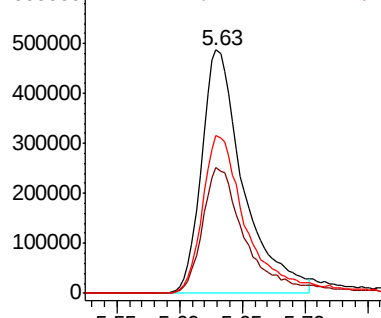
130 72.4 33.8 101.4



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



#9

Propene

Concen: 0.163 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037036.D

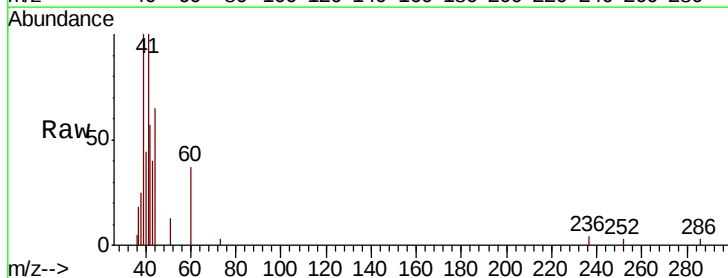
Acq: 20 May 2021 22:58

Tgt Ion: 41 Resp: 12096

Ion Ratio Lower Upper

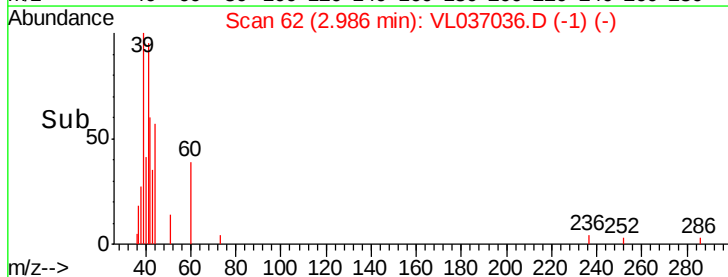
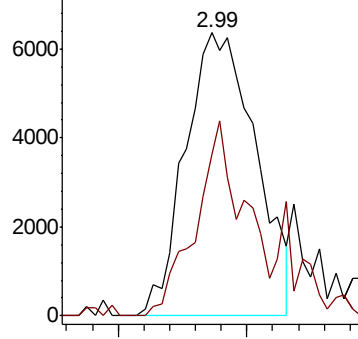
41 100

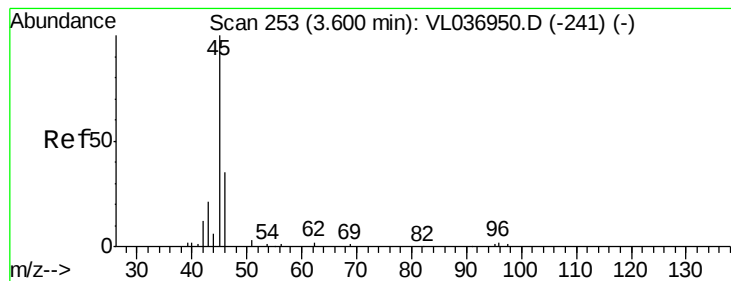
42 63.8 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 1.037 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL037036.D

Acq: 20 May 2021 22:58

Instrument :

MSVOA_L

ClientSampleId :

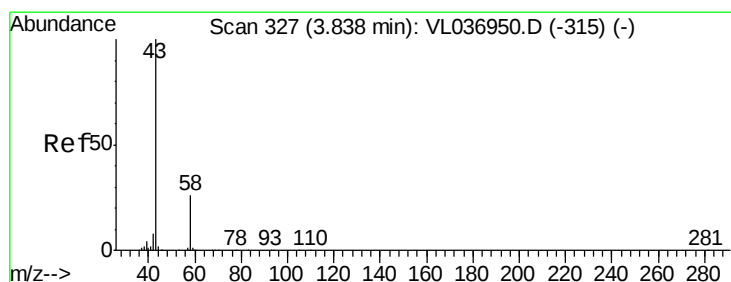
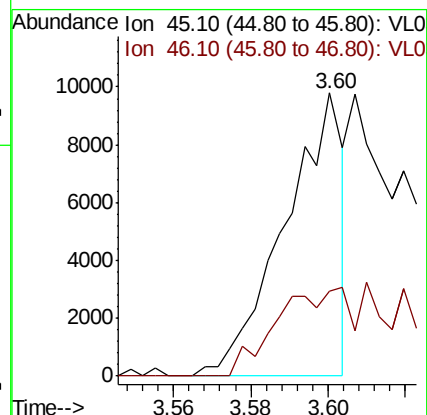
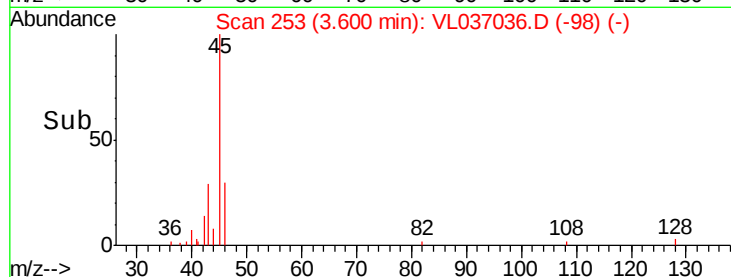
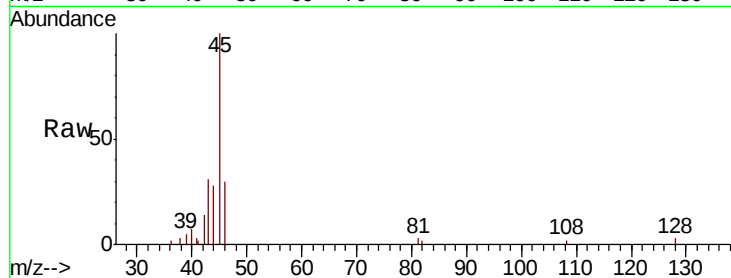
KSV-07DL

Tot Ion: 45 Resp: 10247

Ion Ratio Lower Upper

45 100

46 0.0 16.3 65.3#



#15

Acetone

Concen: 7.855 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL037036.D

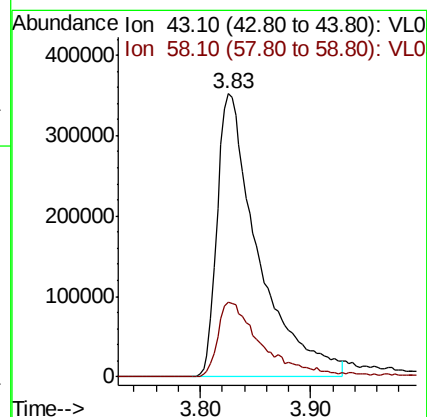
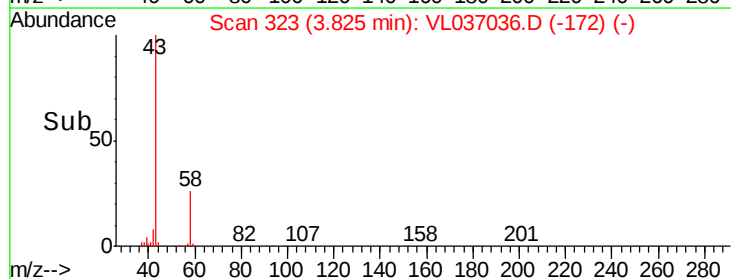
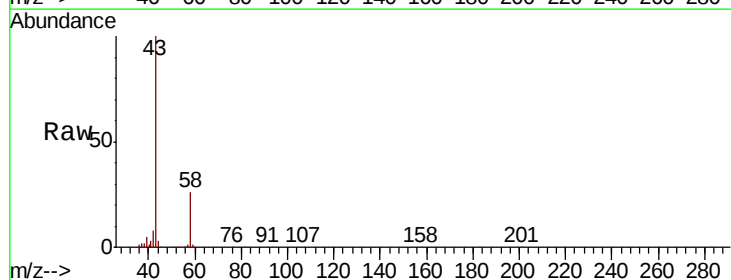
Acq: 20 May 2021 22:58

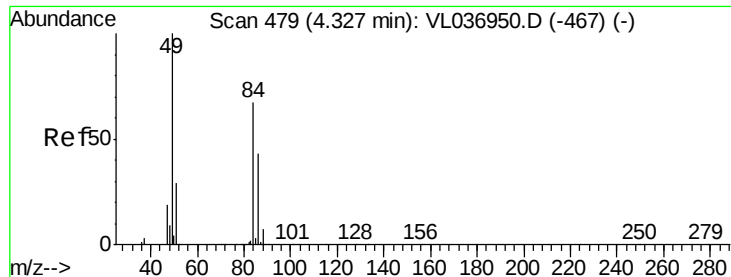
Tgt Ion: 43 Resp: 908119

Ion Ratio Lower Upper

43 100

58 29.4 24.0 36.0

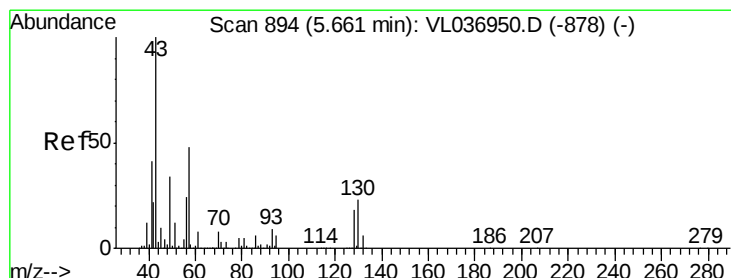
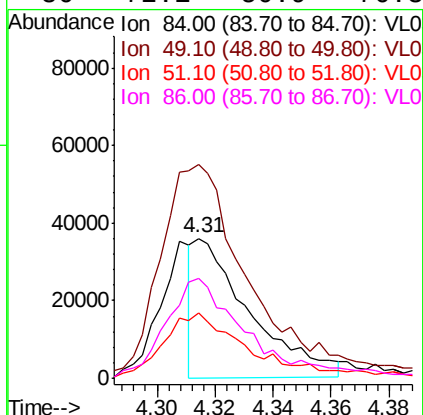
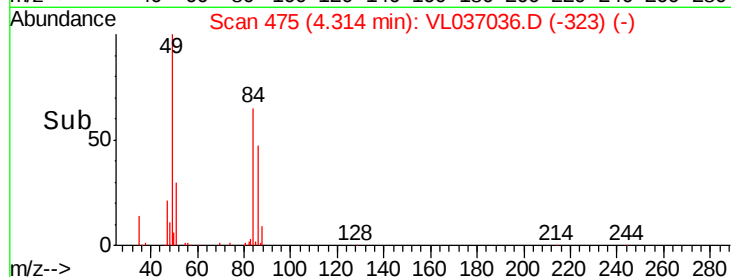
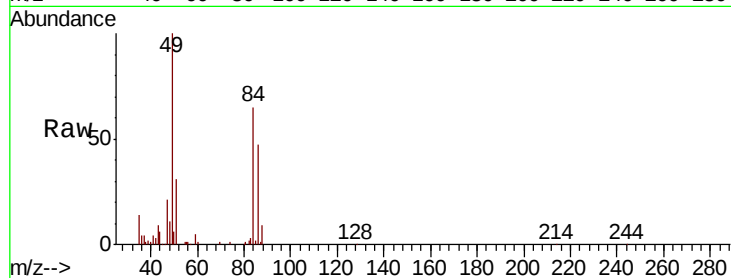




#20
Methylene Chloride
Concen: 0.767 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL037036.D
Acq: 20 May 2021 22:58

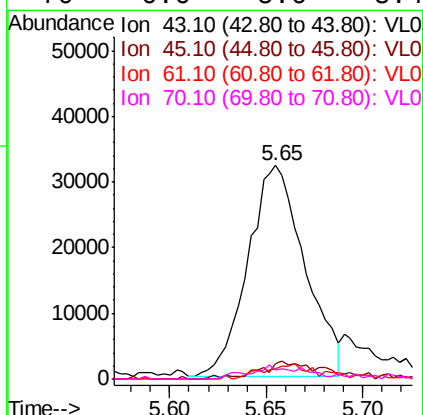
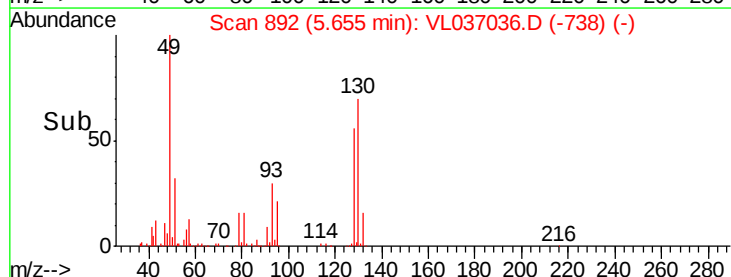
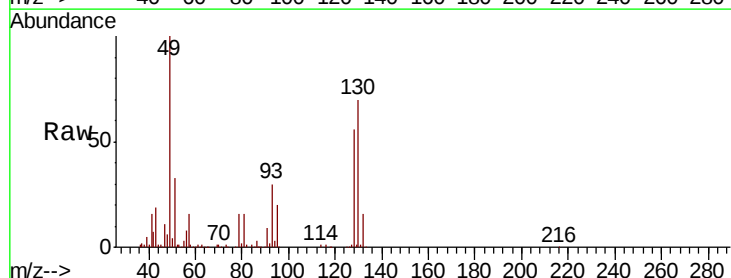
Instrument :
MSVOA_L
ClientSampleId :
KSV-07DL

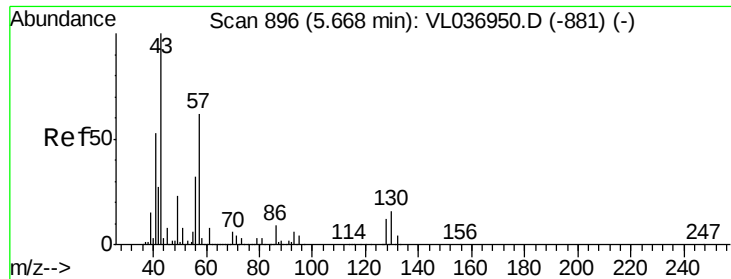
Tot Ion:	84	Resp:	47554
Ion	Ratio	Lower	Upper
84	100		
49	154.6	119.8	179.6
51	46.6	35.1	52.7
86	72.1	50.9	76.3



#25
Ethyl Acetate
Concen: 0.239 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL037036.D
Acq: 20 May 2021 22:58

Tgt Ion:	43	Resp:	66324
Ion	Ratio	Lower	Upper
43	100		
45	11.3	7.8	11.8
61	7.8	7.8	11.8#
70	6.6	5.6	8.4





#26

Hexane

Concen: 0.372 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL037036.D

Acq: 20 May 2021 22:58

Instrument :

MSVOA_L

ClientSampleId :

KSV-07DL

Tot Ion: 57 Resp: 52749

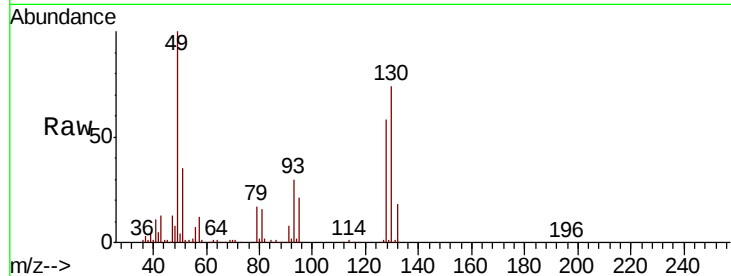
Ion Ratio Lower Upper

57 100

41 127.8 70.5 105.7#

43 142.7 165.8 248.8#

56 65.0 42.2 63.4#



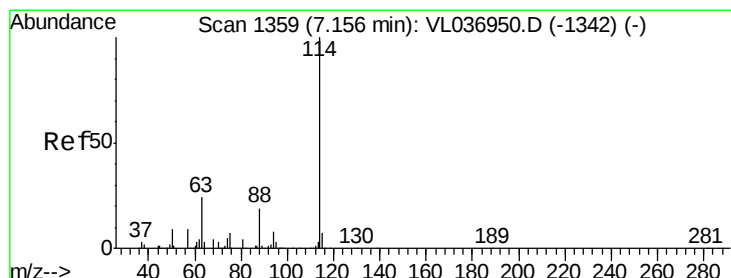
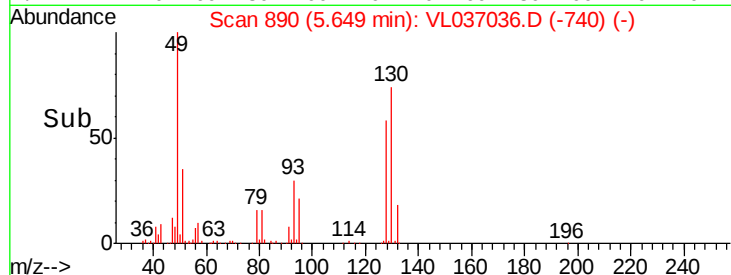
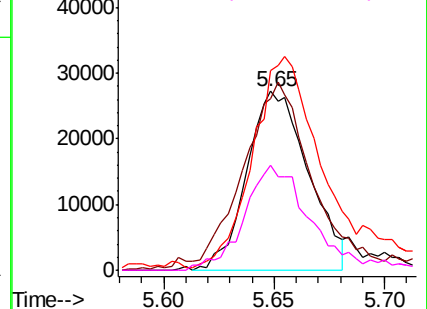
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#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

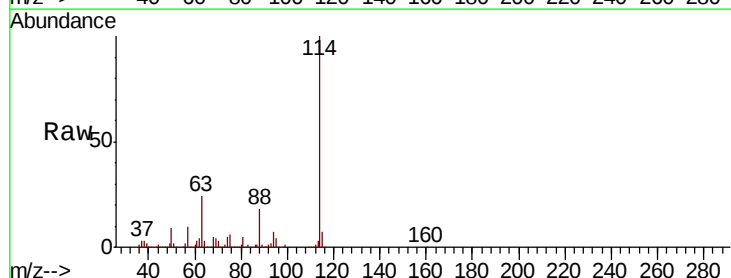
Tgt Ion:114 Resp: 3313729

Ion Ratio Lower Upper

114 100

63 24.7 19.6 29.4

88 18.3 14.6 21.8

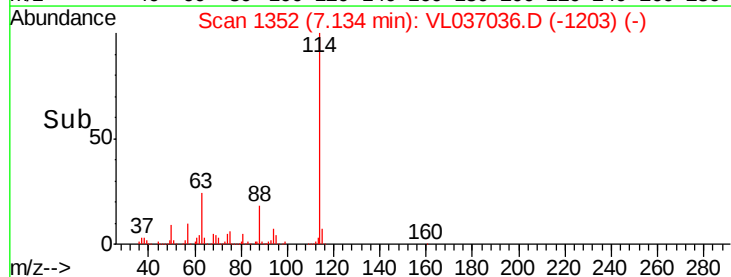
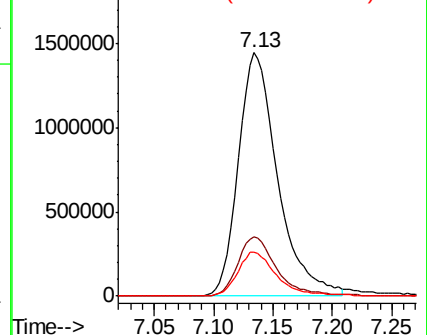


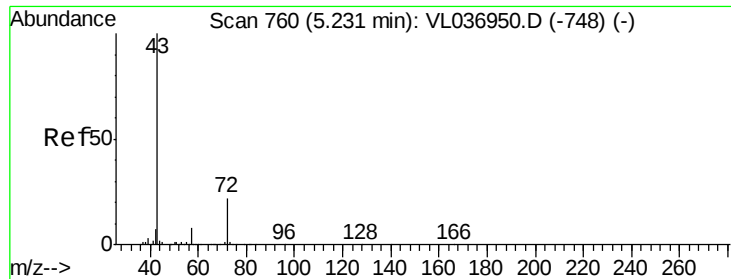
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

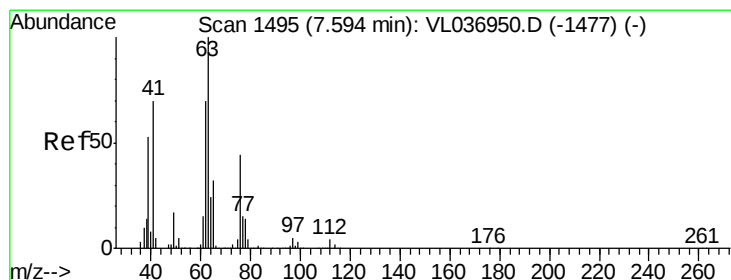
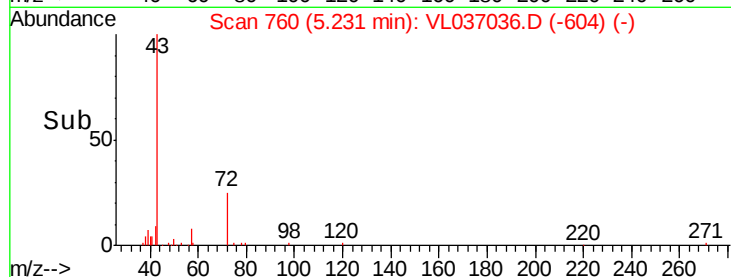
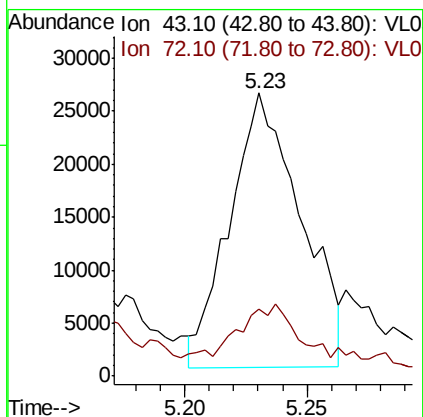
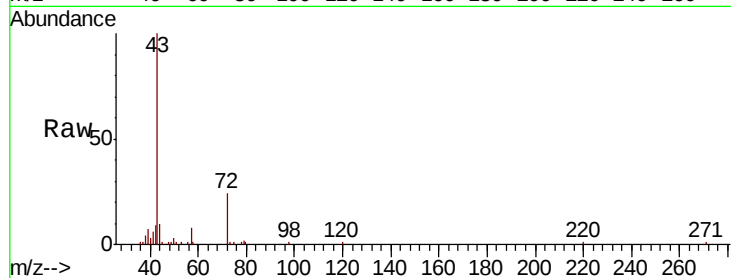




#34
 2-Butanone
 Concen: 0.435 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL037036.D
 Acq: 20 May 2021 22:58

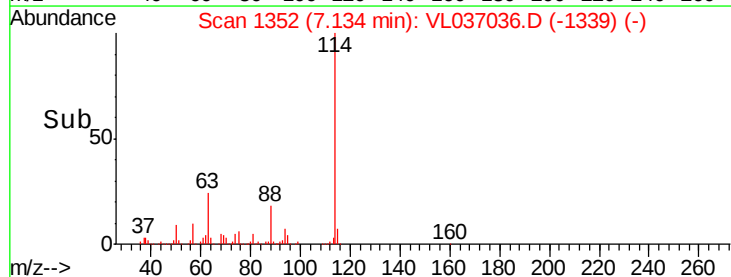
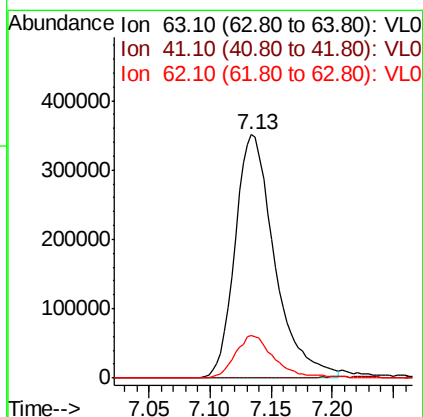
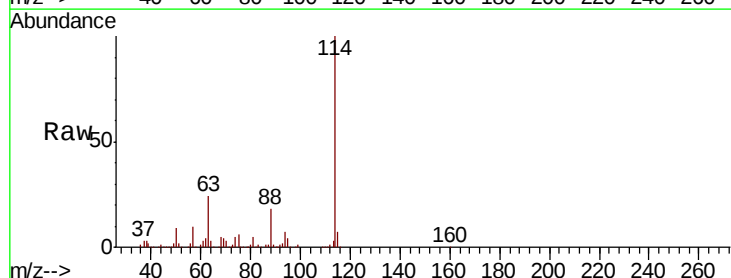
Instrument :
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 ClientSampleId :
 KSV-07DL

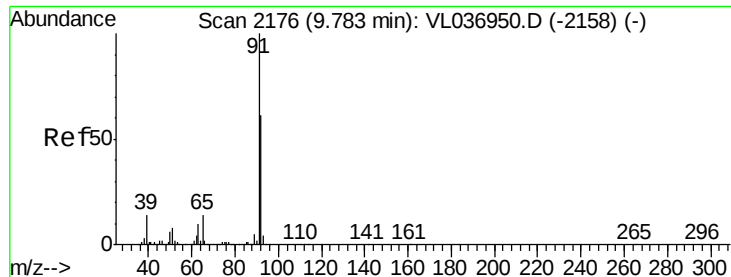
Tot Ion: 43 Resp: 52439
 Ion Ratio Lower Upper
 43 100
 72 37.3 19.0 28.4#



#39
 1,2-Dichloropropane
 Concen: 7.186 ppbv
 RT: 7.13 min Scan# 1352
 Delta R.T. -0.46 min
 Lab File: VL037036.D
 Acq: 20 May 2021 22:58

Tgt Ion: 63 Resp: 790138
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.7 83.5#
 62 17.4 56.2 84.4#





#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

Instrument :

MSVOA_L

ClientSampleId :

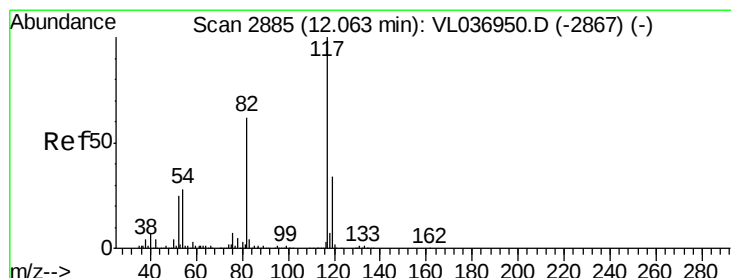
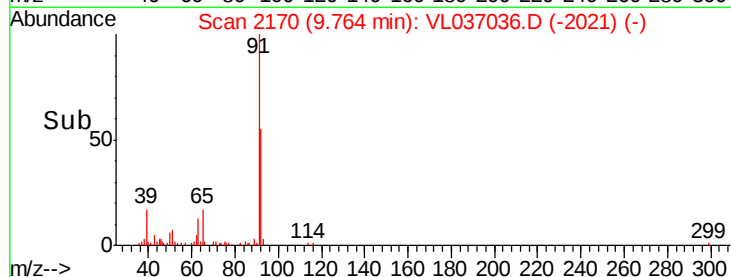
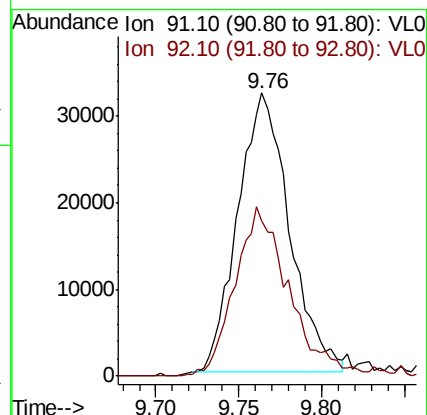
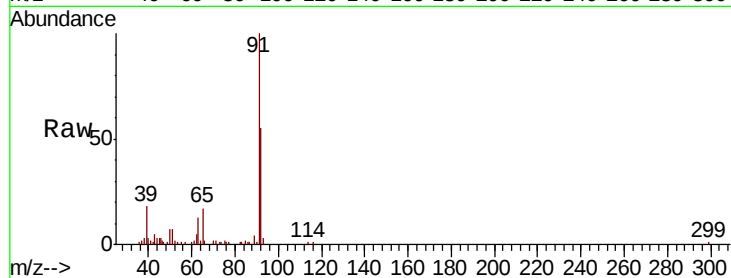
KSV-07DL

Tot 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

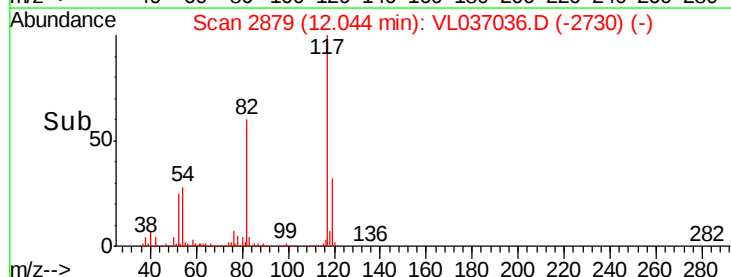
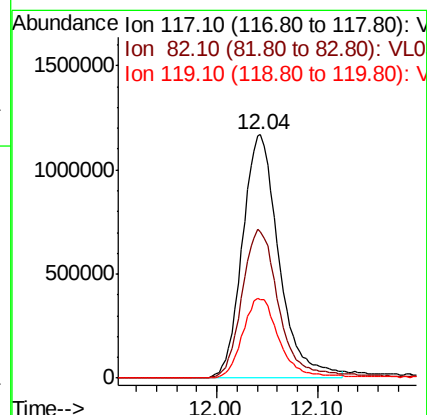
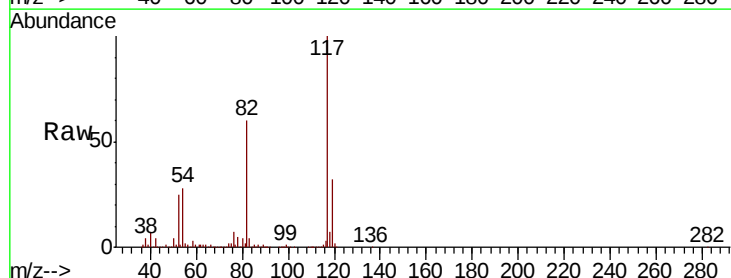
Tgt Ion: 117 Resp: 2946279

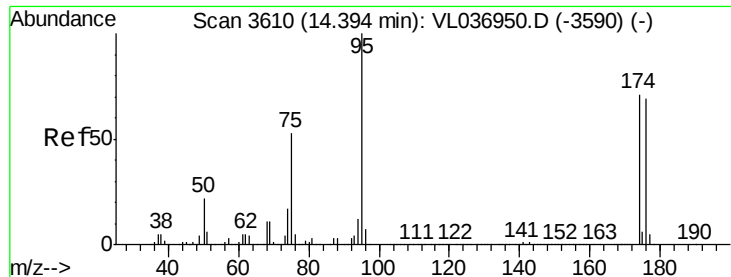
Ion Ratio Lower Upper

117 100

82 63.6 52.6 79.0

119 33.6 46.6 70.0#





#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

Instrument :

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ClientSampleId :

KSV-07DL

Tot Ion: 95 Resp: 2161838

Ion Ratio Lower Upper

95 100

174 76.5 58.4 87.6

175 5.4 4.4 6.6

