

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037027.D
 Acq On : 20 May 2021 17:15
 Operator : SY/AP
 Sample : M2424-10DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-08DL2

Quant Time: May 21 01:16:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1289067	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	3695916	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	3266927	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2294673	9.35	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.50%

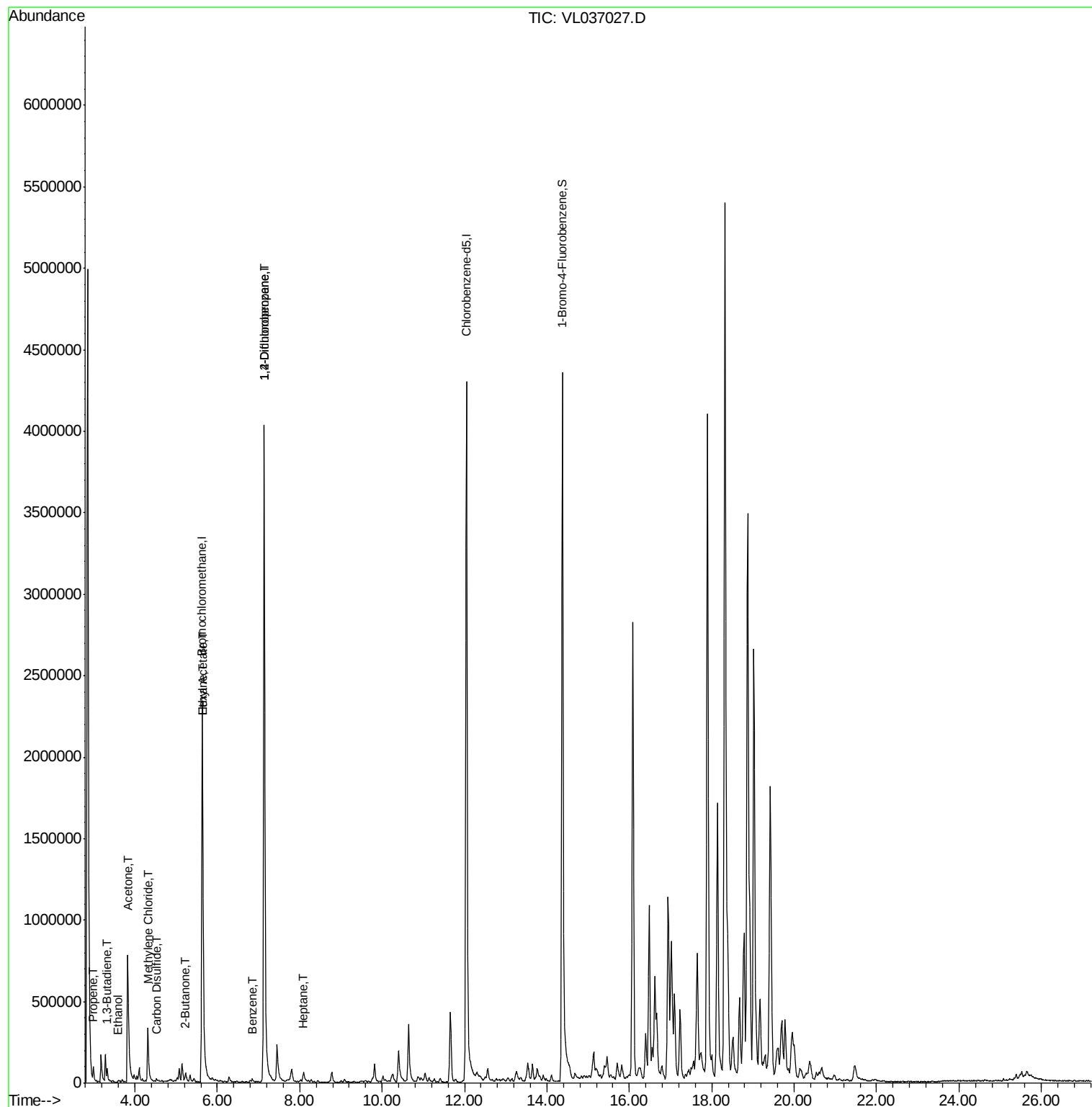
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	22792	0.270	ppbv #	75
10) Heptane	8.08	43	8510	0.040	ppbv #	26
13) Ethanol	3.59	45	4606	0.408	ppbv #	35
15) Acetone	3.82	43	1191766	9.026	ppbv	98
16) 1,3-Butadiene	3.32	39	5105	0.062	ppbv #	10
20) Methylene Chloride	4.31	84	142961	2.020	ppbv	98
25) Ethyl Acetate	5.65	43	105744	0.333	ppbv #	82
26) Hexane	5.65	57	137336	0.847	ppbv #	42
27) Carbon Disulfide	4.52	76	19098	0.117	ppbv #	88
34) 2-Butanone	5.23	43	36046	0.268	ppbv #	24
36) Benzene	6.85	78	9831	0.031	ppbv #	88
39) 1,2-Dichloropropane	7.14	63	873919	7.126	ppbv #	26

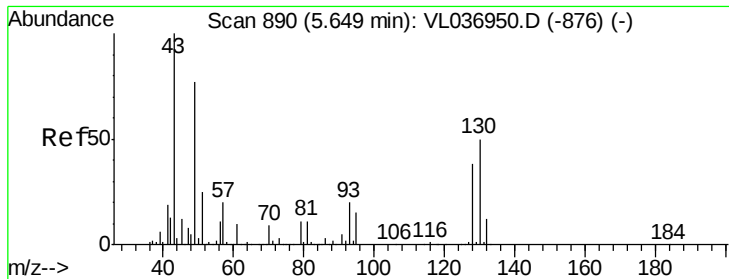
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
Data File : VL037027.D
Acq On : 20 May 2021 17:15
Operator : SY/AP
Sample : M2424-10DL2 40X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
KSV-08DL2

Quant Time: May 21 01:16:45 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.02 min

Lab File: VL037027.D

Acq: 20 May 2021 17:15

Instrument :

MSVOA_L

ClientSampleId :

KSV-08DL2

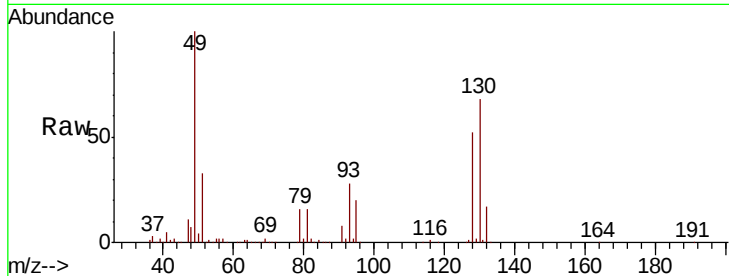
Tot Ion: 49 Resp: 1289067

Ion Ratio Lower Upper

49 100

128 53.0 26.9 80.7

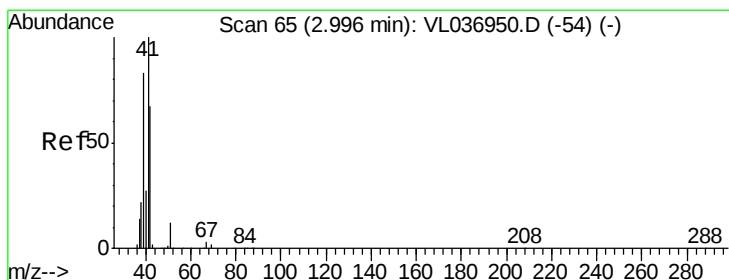
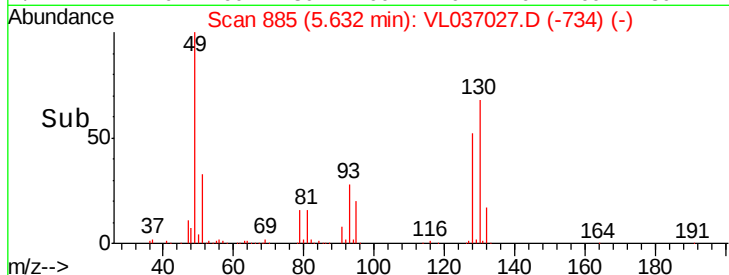
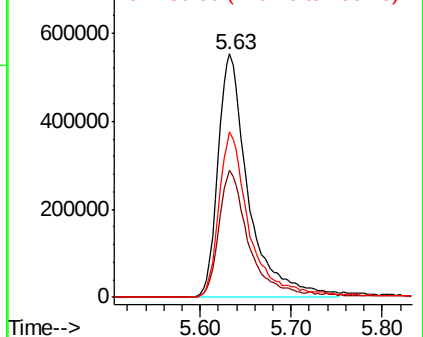
130 69.3 33.8 101.4



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: 0.270 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037027.D

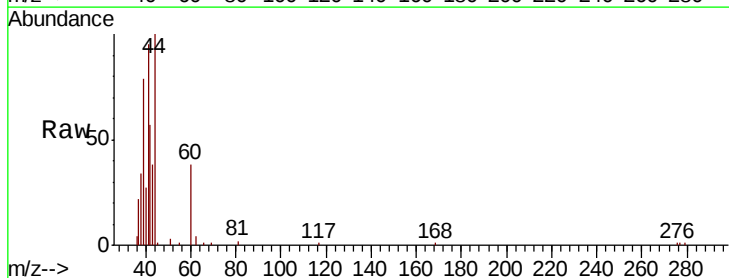
Acq: 20 May 2021 17:15

Tgt Ion: 41 Resp: 22792

Ion Ratio Lower Upper

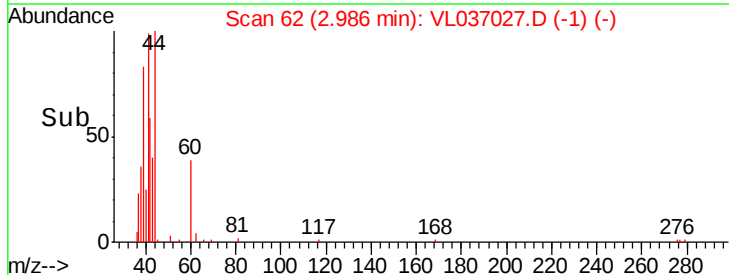
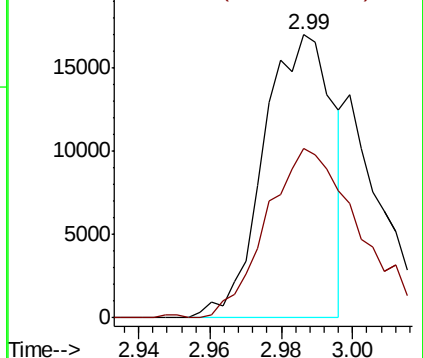
41 100

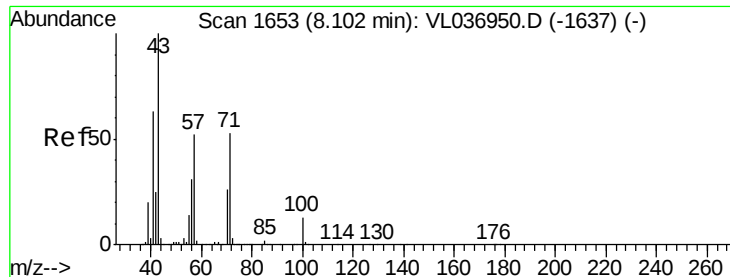
42 87.9 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.040 ppbv

RT: 8.08 min Scan# 1645

Delta R.T. -0.03 min

Lab File: VL037027.D

Acq: 20 May 2021 17:15

Instrument :

MSVOA_L

ClientSampleId :

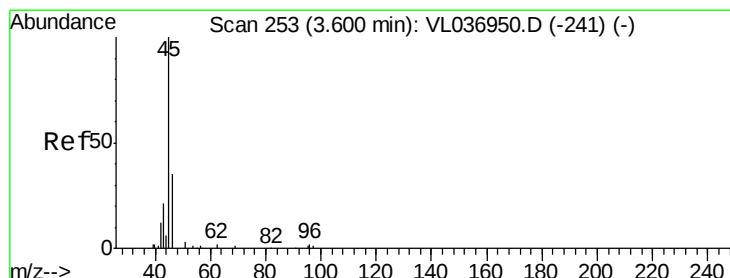
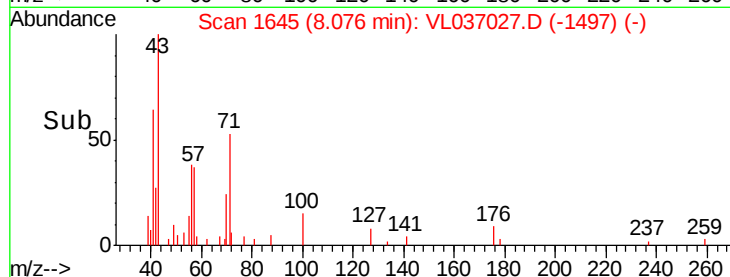
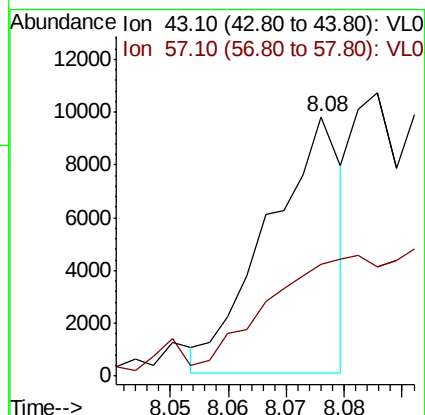
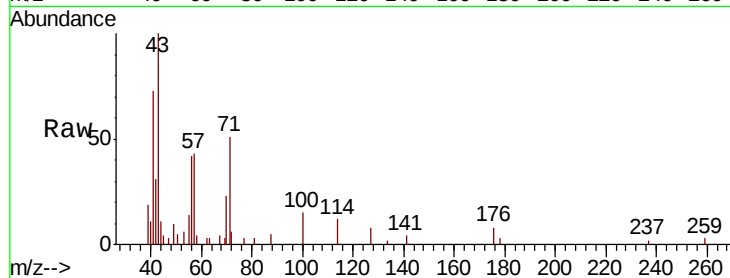
KSV-08DL2

Tot Ion: 43 Resp: 8510

Ion Ratio Lower Upper

43 100

57 0.0 41.0 61.6#



#13

Ethanol

Concen: 0.408 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.01 min

Lab File: VL037027.D

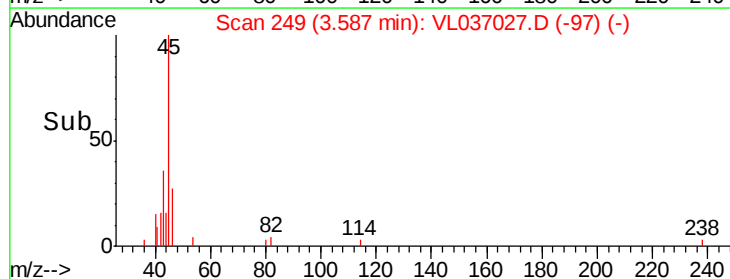
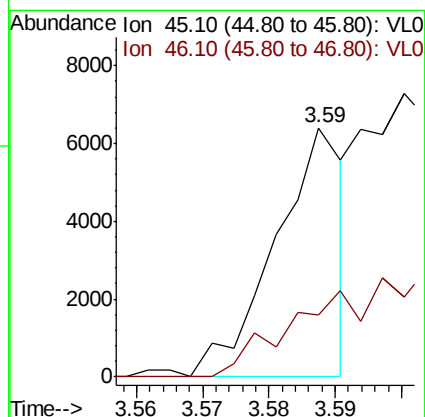
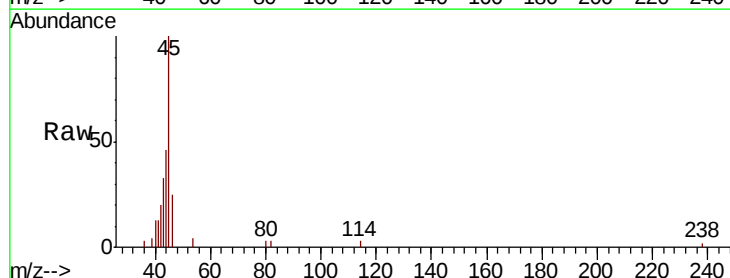
Acq: 20 May 2021 17:15

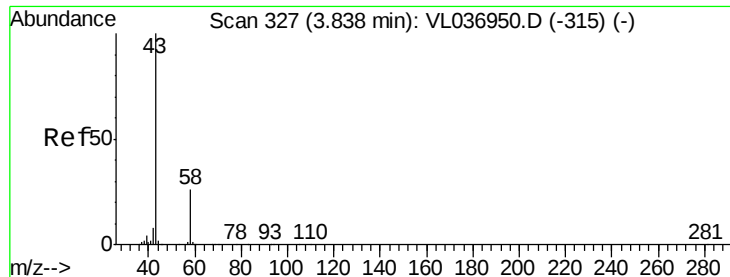
Tgt Ion: 45 Resp: 4606

Ion Ratio Lower Upper

45 100

46 0.0 16.3 65.3#





#15

Acetone

Concen: 9.026 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.02 min

Lab File: VL037027.D

Acq: 20 May 2021 17:15

Instrument :

MSVOA_L

ClientSampleId :

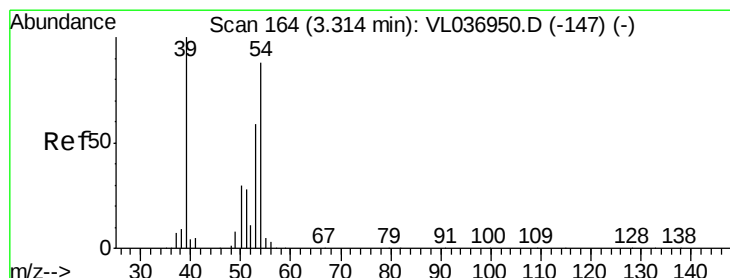
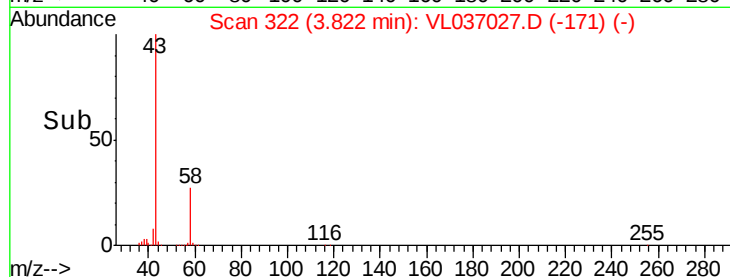
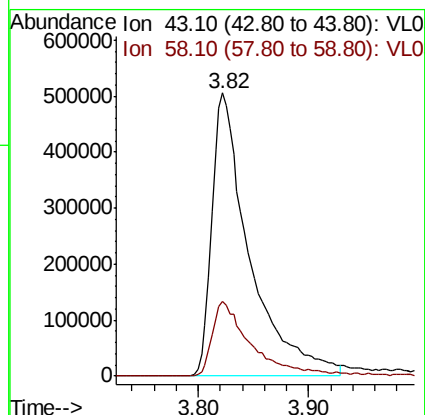
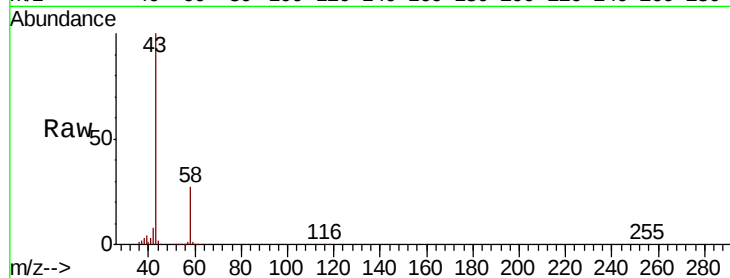
KSV-08DL2

Tot Ion: 43 Resp: 1191766

Ion Ratio Lower Upper

43 100

58 28.7 24.0 36.0



#16

1,3-Butadiene

Concen: 0.062 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.01 min

Lab File: VL037027.D

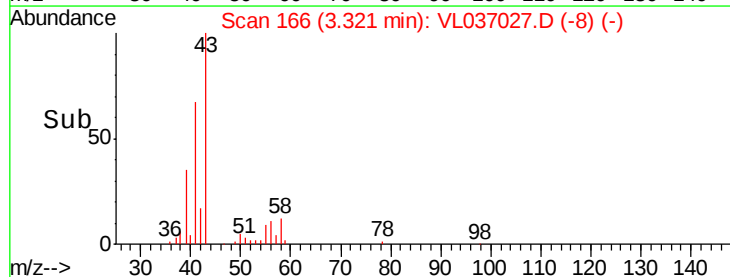
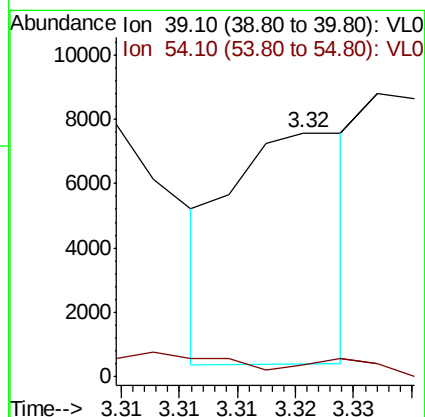
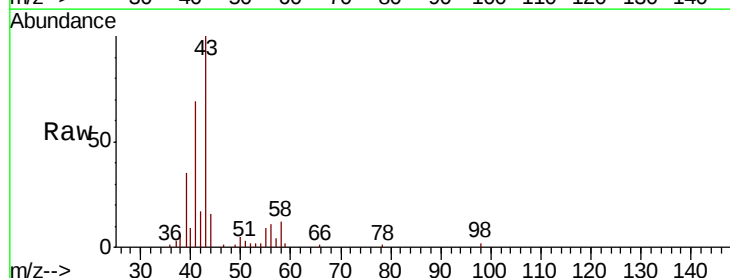
Acq: 20 May 2021 17:15

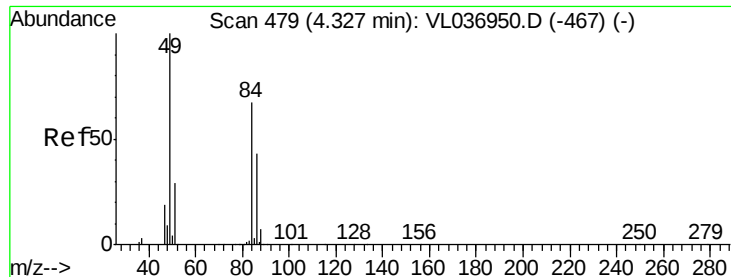
Tgt Ion: 39 Resp: 5105

Ion Ratio Lower Upper

39 100

54 0.0 63.2 94.8#

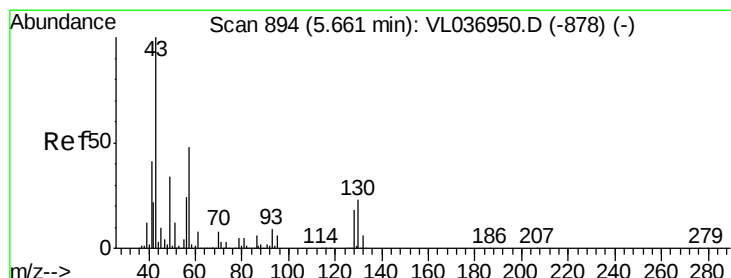
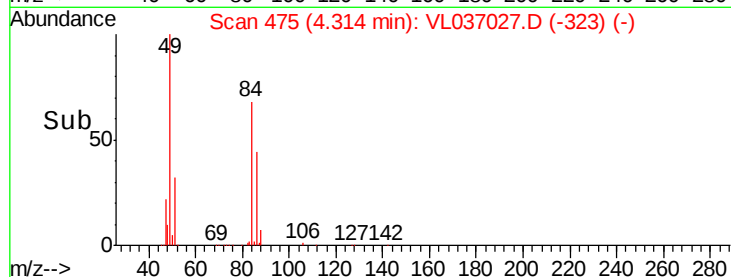
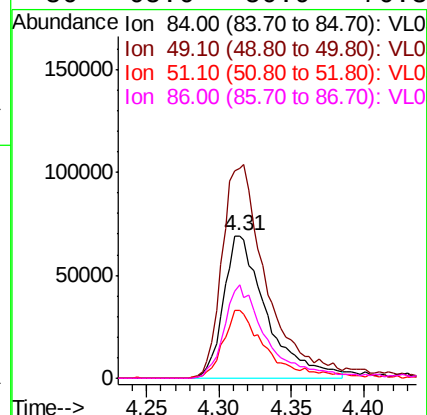
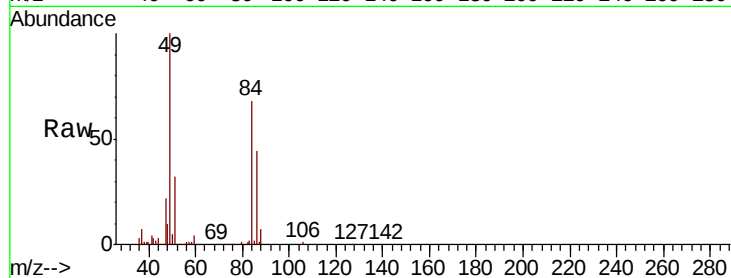




#20
Methvlene Chloride
Concen: 2.020 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL037027.D
Acq: 20 May 2021 17:15

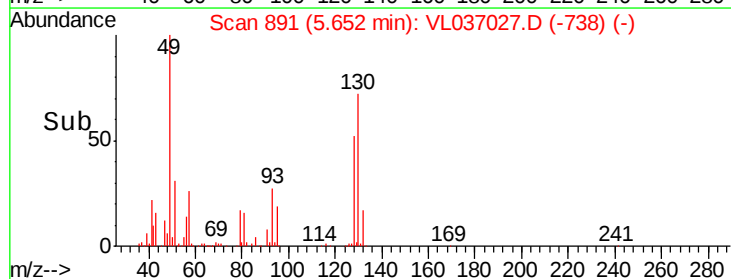
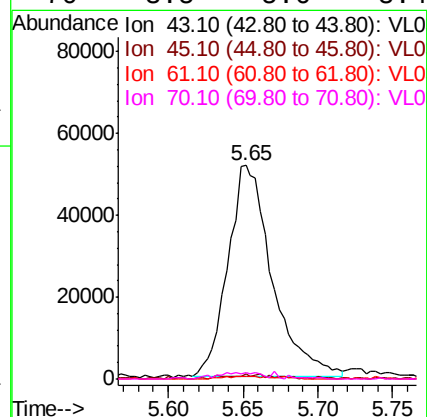
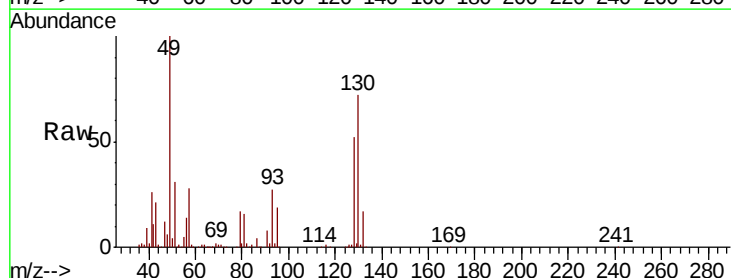
Instrument :
MSVOA_L
ClientSampleId :
KSV-08DL2

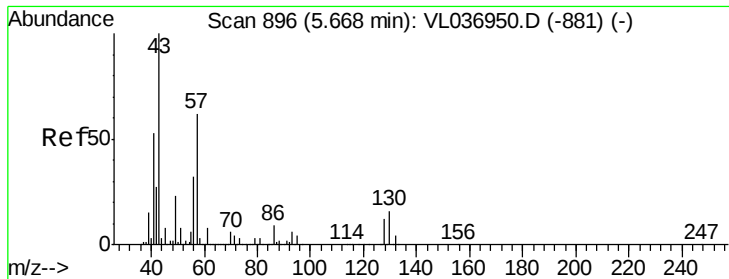
Tot Ion:	84	Resp:	142961
Ion	Ratio	Lower	Upper
84	100		
49	147.3	119.8	179.6
51	46.6	35.1	52.7
86	65.6	50.9	76.3



#25
Ethyl Acetate
Concen: 0.333 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL037027.D
Acq: 20 May 2021 17:15

Tgt Ion:	43	Resp:	105744
Ion	Ratio	Lower	Upper
43	100		
45	2.4	7.8	11.8#
61	1.7	7.8	11.8#
70	3.5	5.6	8.4#

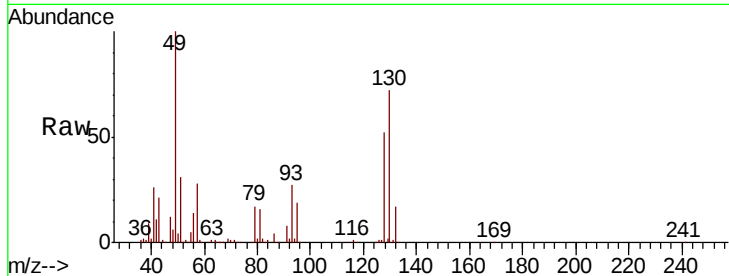




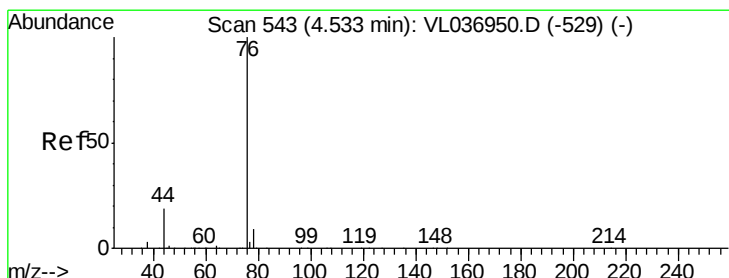
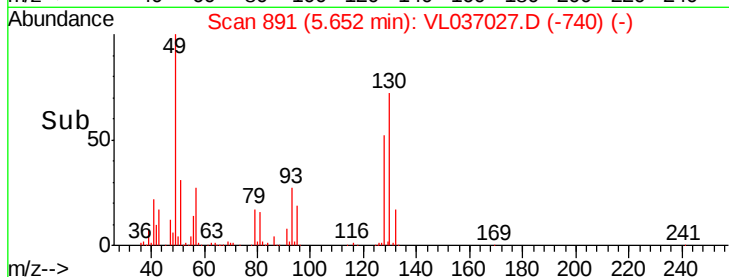
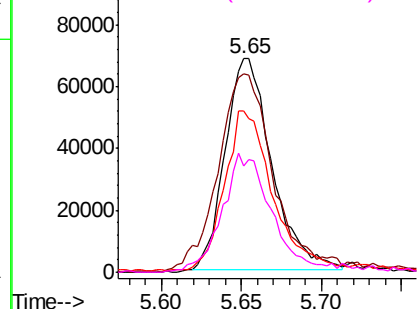
#26
Hexane
Concen: 0.847 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL037027.D
Acq: 20 May 2021 17:15

Instrument :
MSVOA_L
ClientSampleId :
KSV-08DL2

Tot Ion: 57 Resp: 137336
Ion Ratio Lower Upper
57 100
41 116.2 70.5 105.7#
43 82.3 165.8 248.8#
56 62.8 42.2 63.4

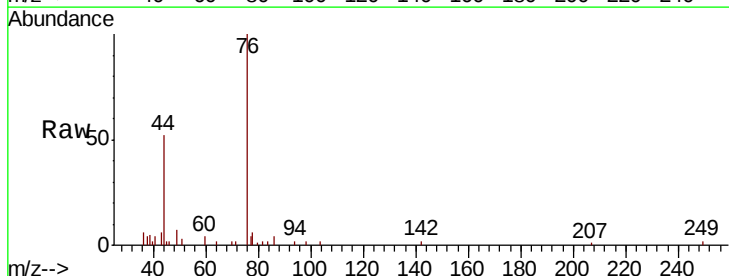


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

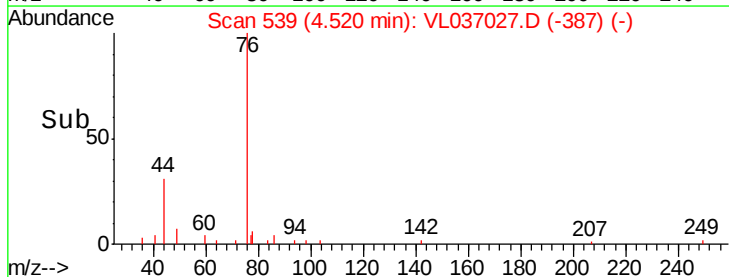
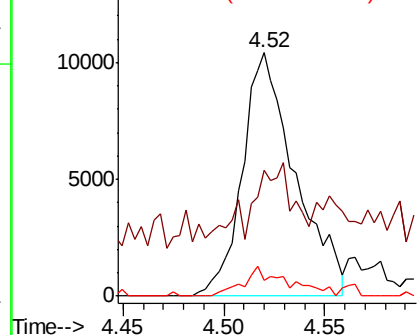


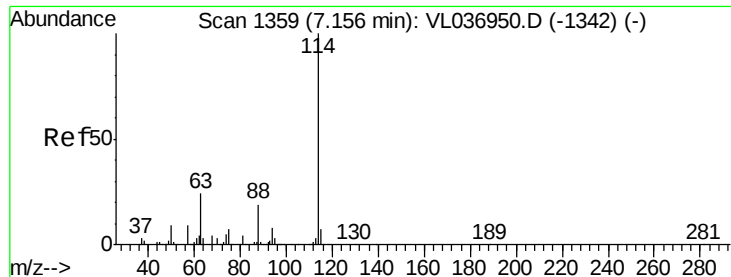
#27
Carbon Disulfide
Concen: 0.117 ppbv
RT: 4.52 min Scan# 539
Delta R.T. -0.01 min
Lab File: VL037027.D
Acq: 20 May 2021 17:15

Tgt Ion: 76 Resp: 19098
Ion Ratio Lower Upper
76 100
44 26.6 15.5 23.3#
78 11.3 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

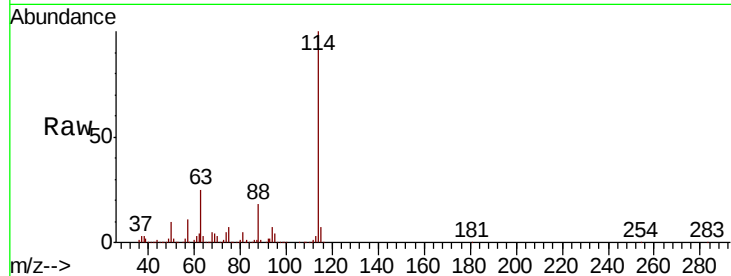




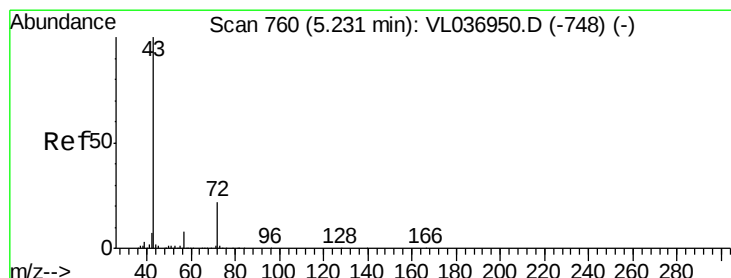
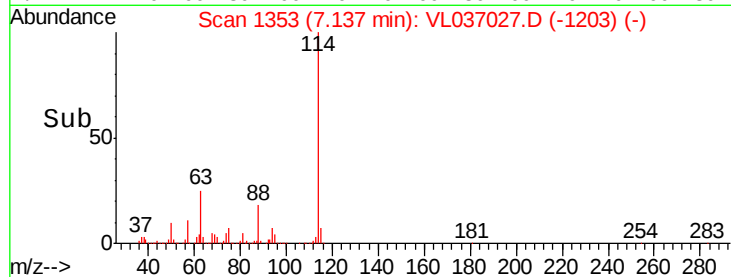
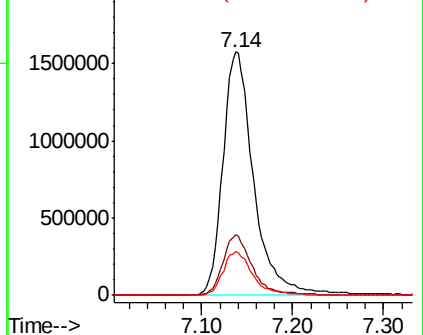
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VL037027.D
 Acq: 20 May 2021 17:15

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-08DL2

Tot Ion:114 Resp: 3695916
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.6 29.4
 88 17.9 14.6 21.8

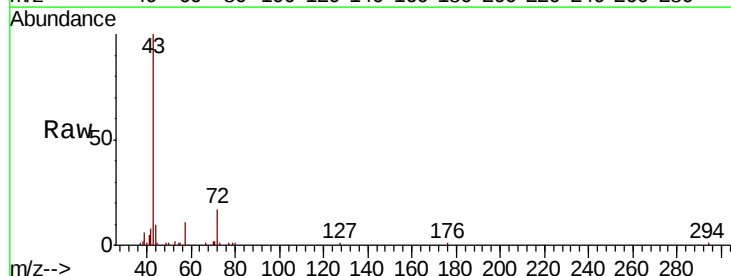


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

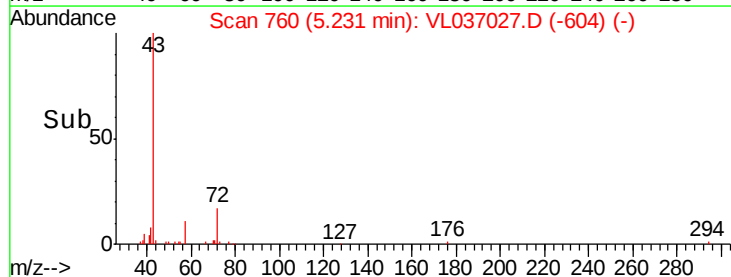
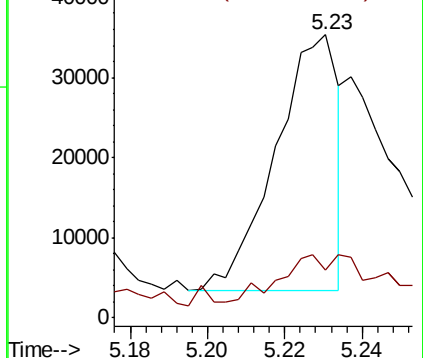


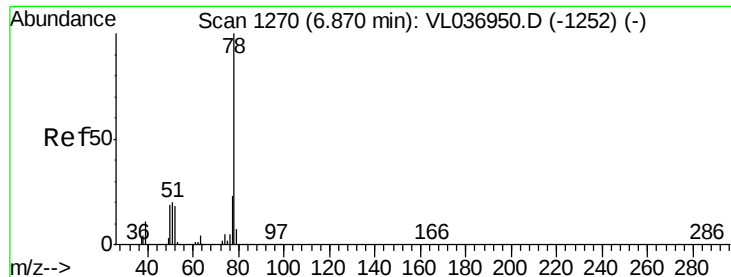
#34
 2-Butanone
 Concen: 0.268 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037027.D
 Acq: 20 May 2021 17:15

Tgt Ion: 43 Resp: 36046
 Ion Ratio Lower Upper
 43 100
 72 61.1 19.0 28.4#



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





#36

Benzene

Concen: 0.031 ppbv

RT: 6.85 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VL037027.D

Acq: 20 May 2021 17:15

Instrument :

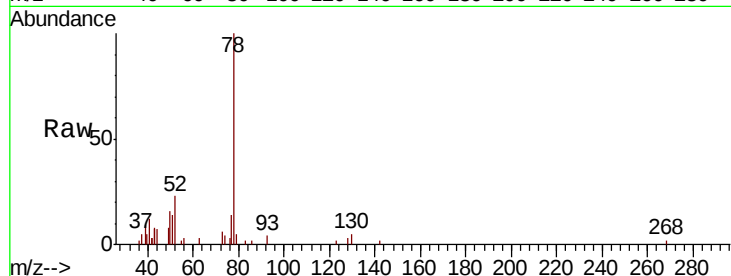
MSVOA_L

ClientSampleId :

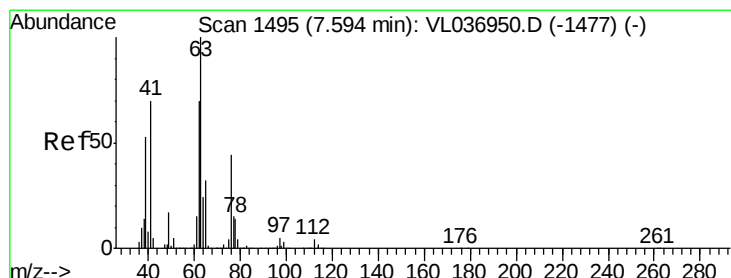
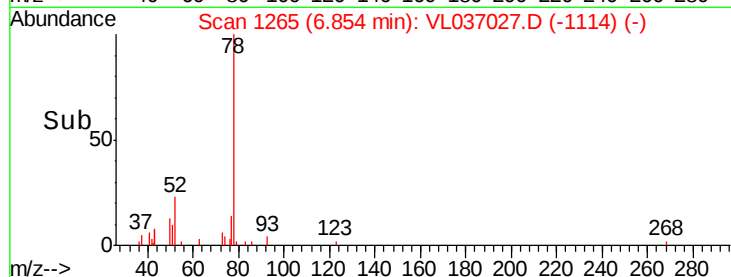
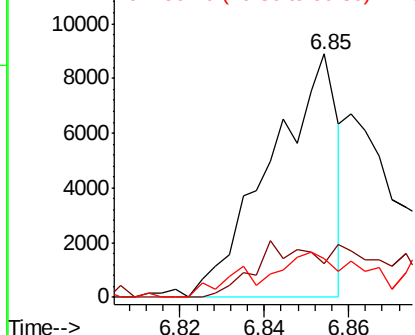
KSV-08DL2

Tot Ion: 78 Resp: 9831

Ion	Ratio	Lower	Upper
78	100		
77	14.5	18.6	28.0#
50	17.0	15.0	22.4



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 7.126 ppbv

RT: 7.14 min Scan# 1353

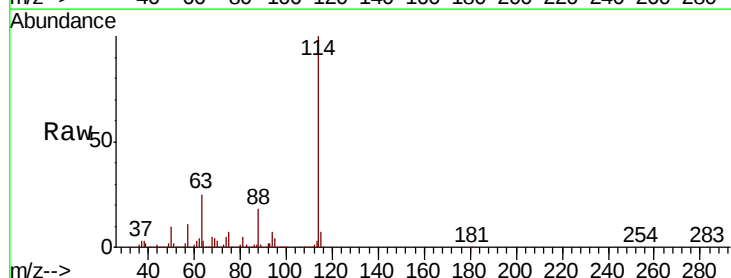
Delta R.T. -0.46 min

Lab File: VL037027.D

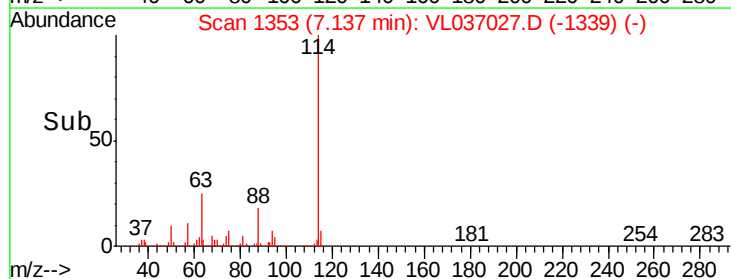
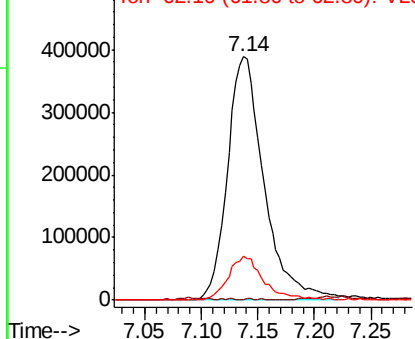
Acq: 20 May 2021 17:15

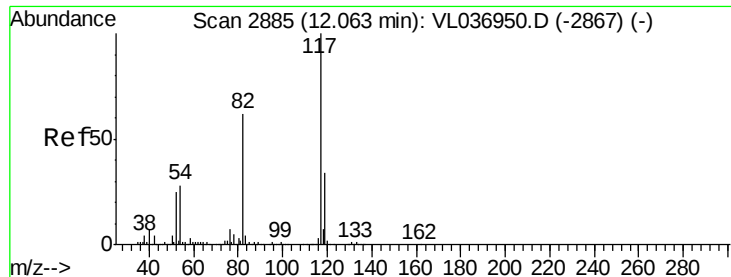
Tgt Ion: 63 Resp: 873919

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.7	83.5#
62	18.2	56.2	84.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0

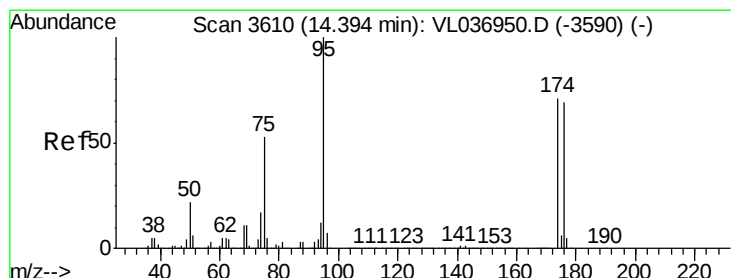
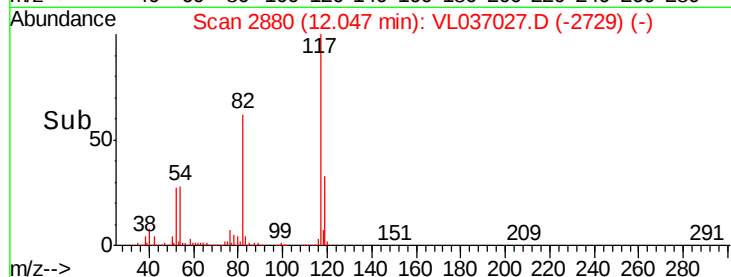
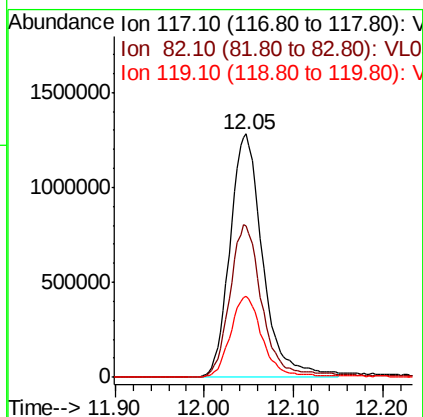
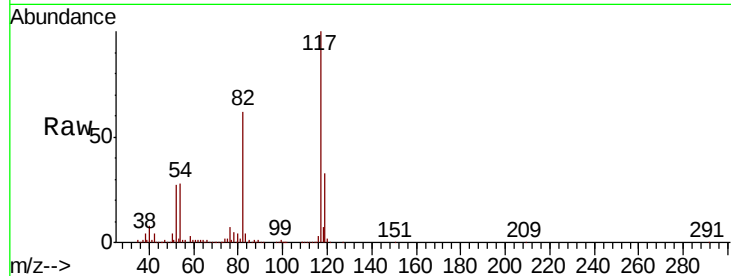




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2880
Delta R.T. -0.02 min
Lab File: VL037027.D
Acq: 20 May 2021 17:15

Instrument :
MSVOA_L
ClientSampleId :
KSV-08DL2

Tot Ion:117 Resp: 3266927
Ion Ratio Lower Upper
117 100
82 63.8 52.6 79.0
119 33.9 46.6 70.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.350 ppbv
RT: 14.37 min Scan# 3604
Delta R.T. -0.02 min
Lab File: VL037027.D
Acq: 20 May 2021 17:15

Tgt Ion: 95 Resp: 2294673
Ion Ratio Lower Upper
95 100
174 78.0 58.4 87.6
175 5.6 4.4 6.6

