

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037024.D
 Acq On : 20 May 2021 15:19
 Operator : SY/AP
 Sample : M2424-05DL2 100X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-04DL2

Quant Time: May 21 01:16:08 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	1268793	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	3730527	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.04	117	3300413	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.37	95	2423628	9.78	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%	

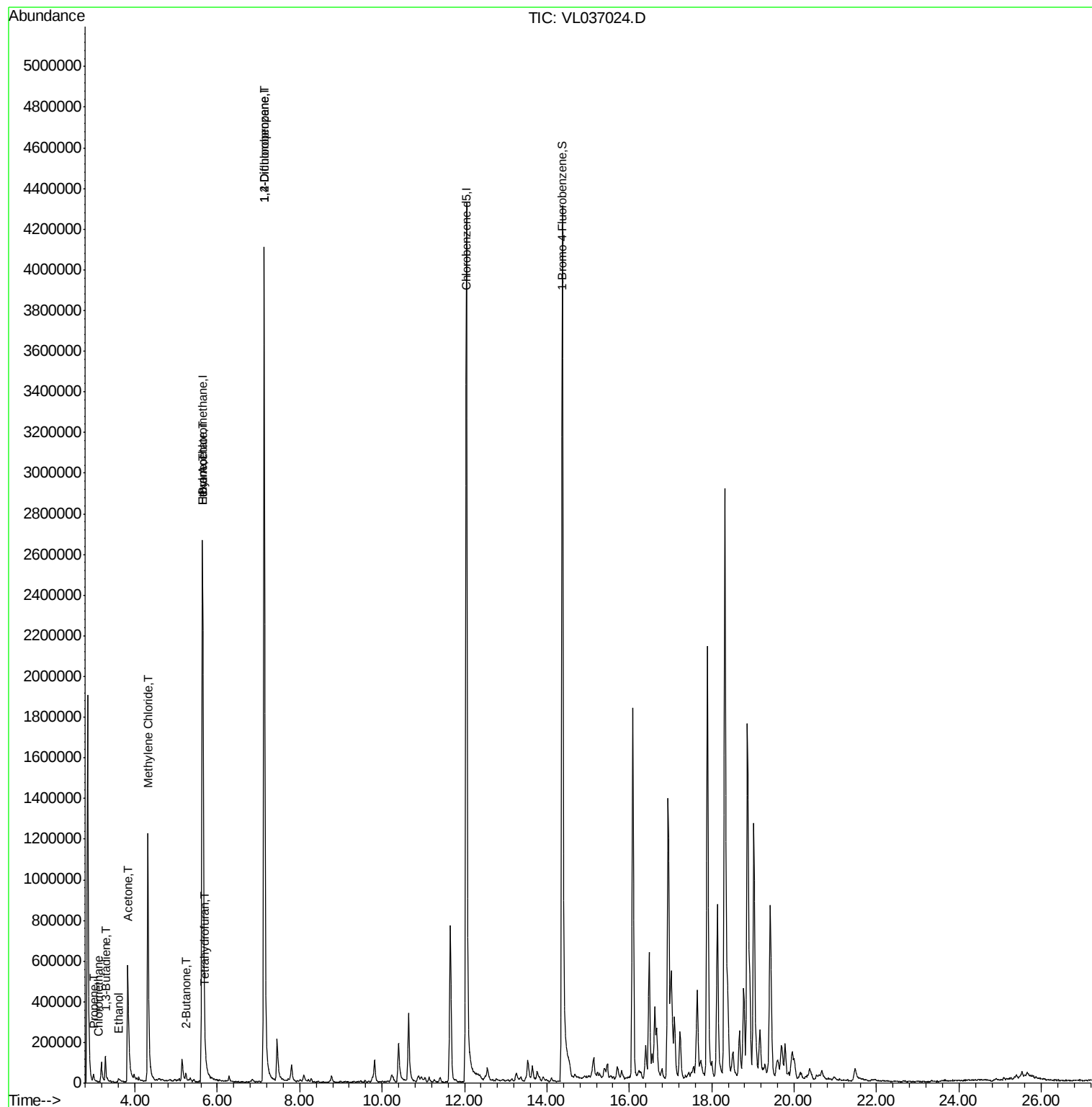
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.12	50	2483	0.031	ppbv #	62
9) Propene	2.99	41	7431	0.089	ppbv #	1
13) Ethanol	3.59	45	7627	0.687	ppbv #	1
15) Acetone	3.83	43	896004	6.895	ppbv	98
16) 1,3-Butadiene	3.28	39	36749	0.455	ppbv #	18
20) Methylene Chloride	4.31	84	547830	7.864	ppbv	98
25) Ethyl Acetate	5.65	43	415175	1.329	ppbv #	78
26) Hexane	5.65	57	602826	3.779	ppbv #	46
34) 2-Butanone	5.23	43	27298	0.201	ppbv #	12
39) 1,2-Dichloropropane	7.14	63	879145	7.102	ppbv #	25
41) Tetrahydrofuran	5.71	42	2818	0.036	ppbv #	39

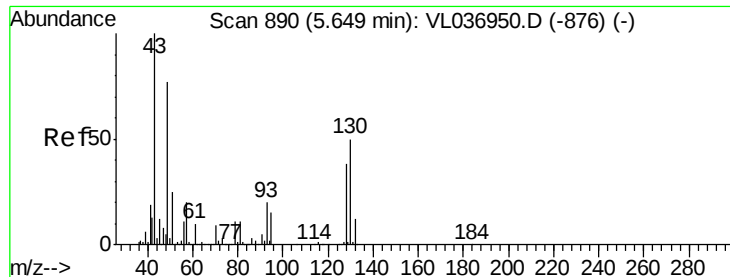
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 21 01:16:08 2021
Quant Method : Z:\V0ASRV\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: VL037024.D

Acq: 20 May 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

KSV-04DL2

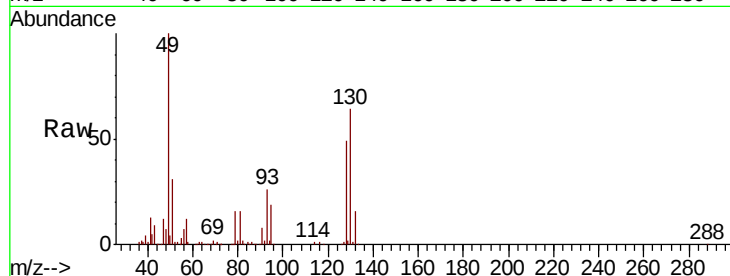
Tot Ion: 49 Resp: 1268793

Ion Ratio Lower Upper

49 100

128 56.0 26.9 80.7

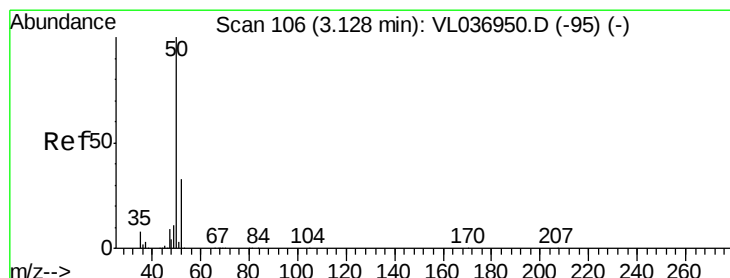
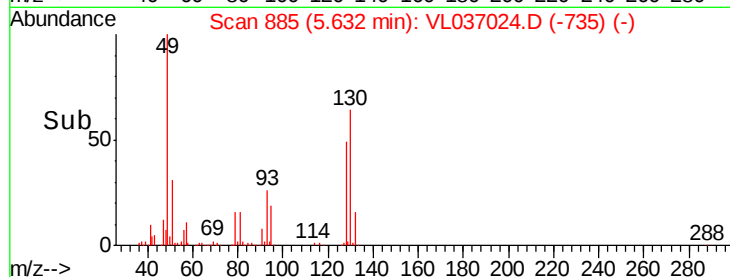
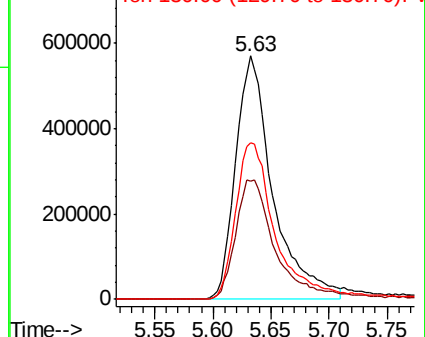
130 72.2 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#4

Chloromethane

Concen: 0.031 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL037024.D

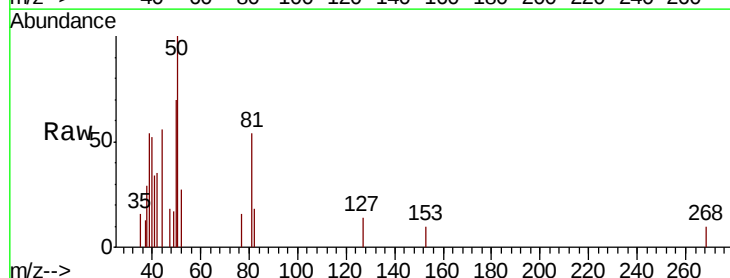
Acq: 20 May 2021 15:19

Tgt Ion: 50 Resp: 2483

Ion Ratio Lower Upper

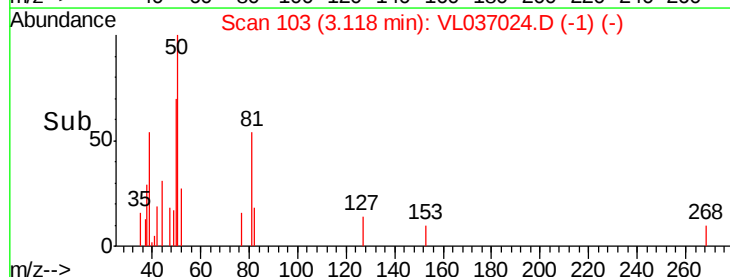
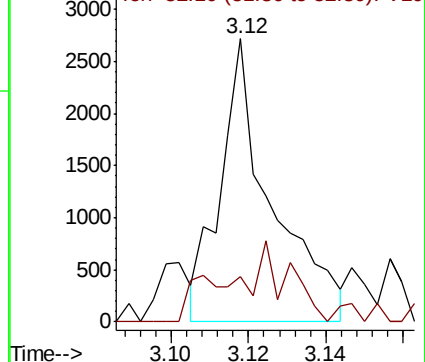
50 100

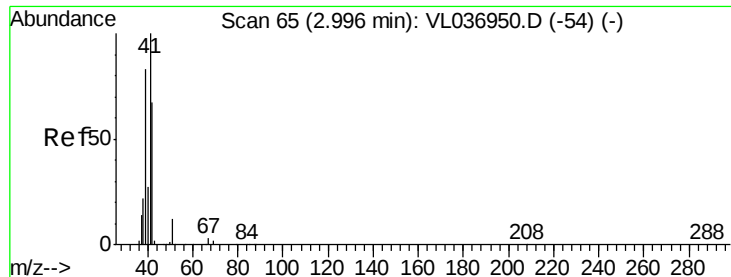
52 11.3 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.089 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037024.D

Acq: 20 May 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

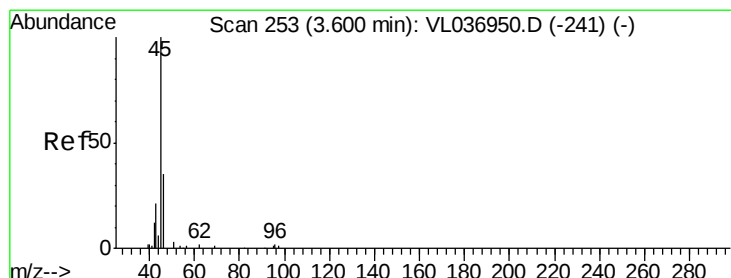
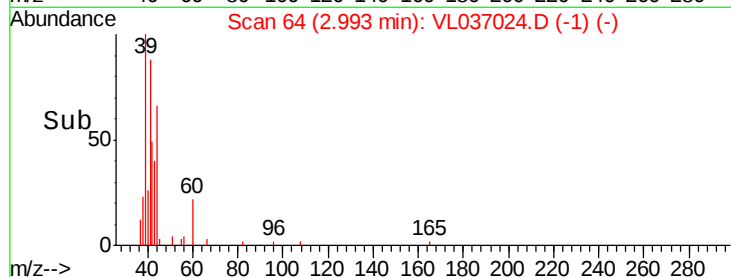
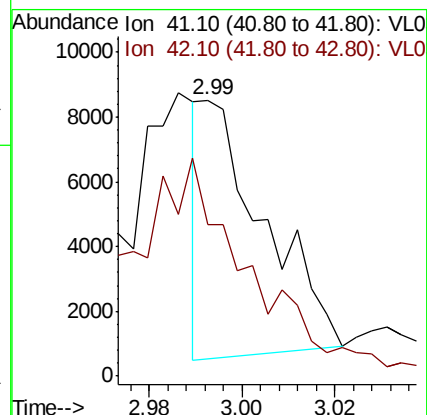
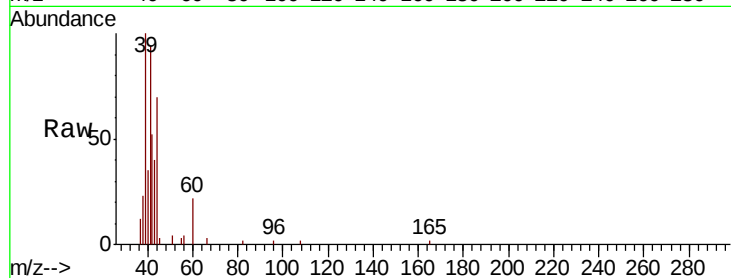
KSV-04DL2

Tot Ion: 41 Resp: 7431

Ion Ratio Lower Upper

41 100

42 157.0 53.9 80.9#



#13

Ethanol

Concen: 0.687 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL037024.D

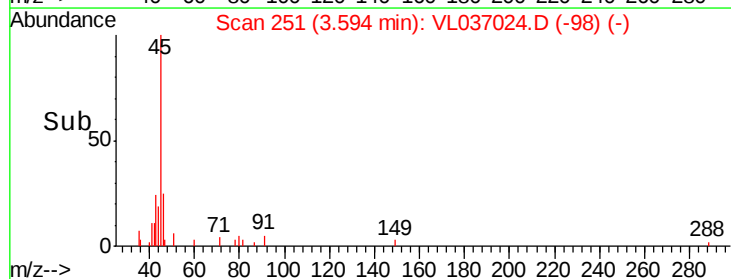
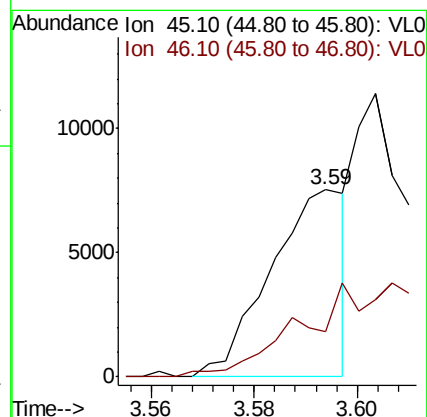
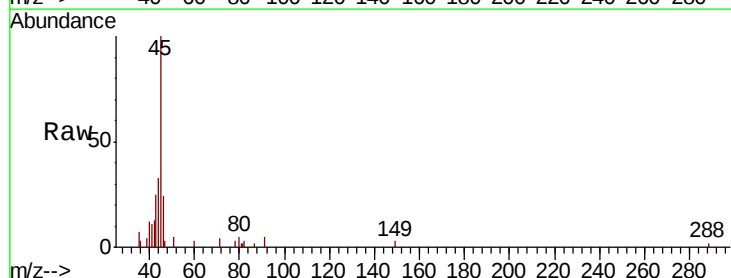
Acq: 20 May 2021 15:19

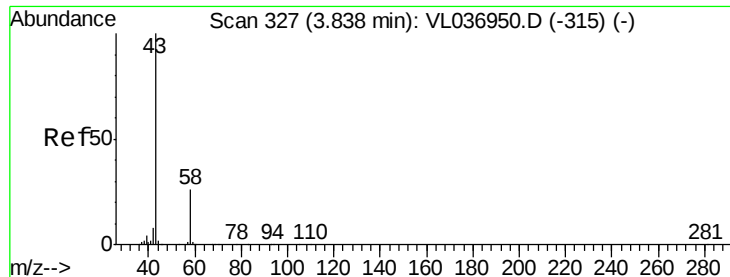
Tgt Ion: 45 Resp: 7627

Ion Ratio Lower Upper

45 100

46 114.2 16.3 65.3#





#15

Acetone

Concen: 6.895 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL037024.D

Acq: 20 May 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

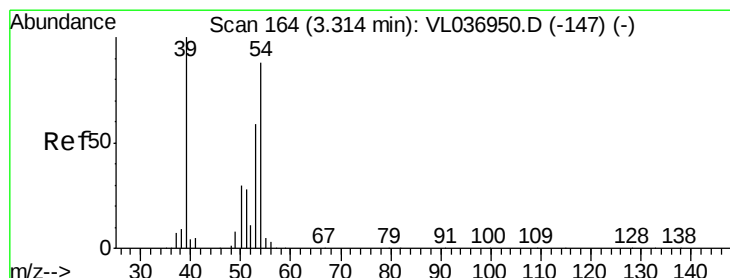
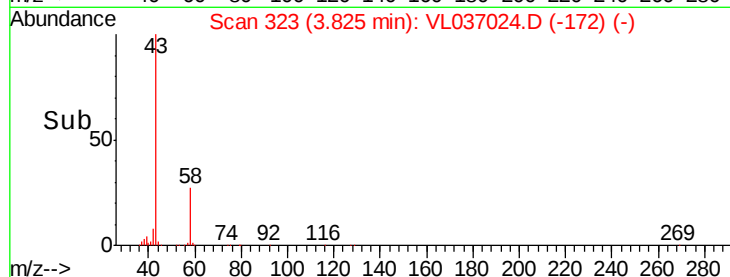
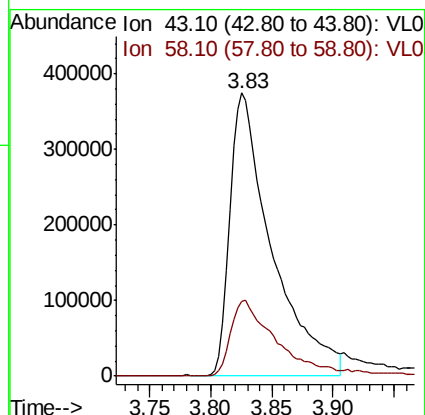
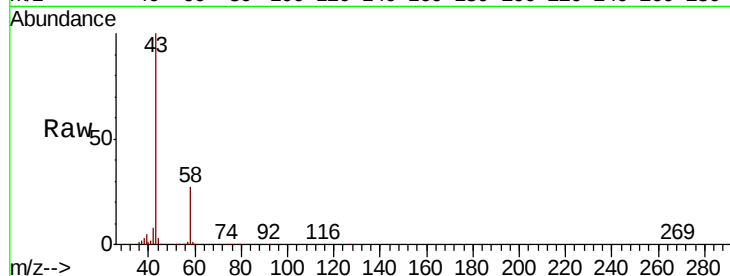
KSV-04DL2

Tot Ion: 43 Resp: 896004

Ion Ratio Lower Upper

43 100

58 31.2 24.0 36.0



#16

1,3-Butadiene

Concen: 0.455 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.03 min

Lab File: VL037024.D

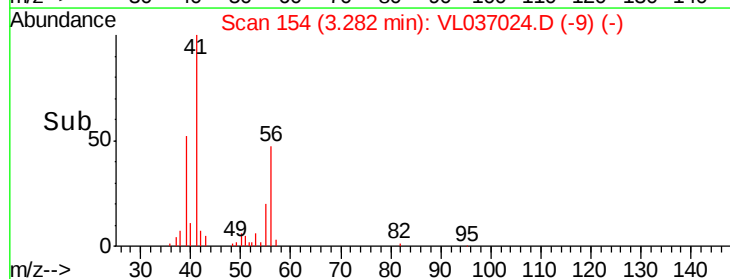
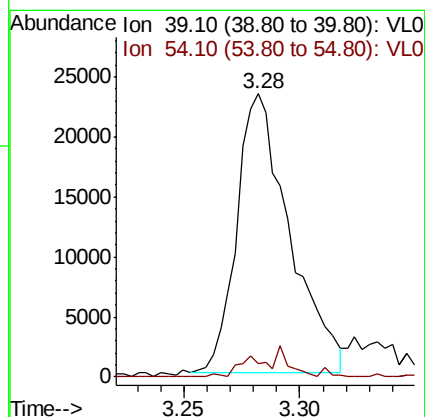
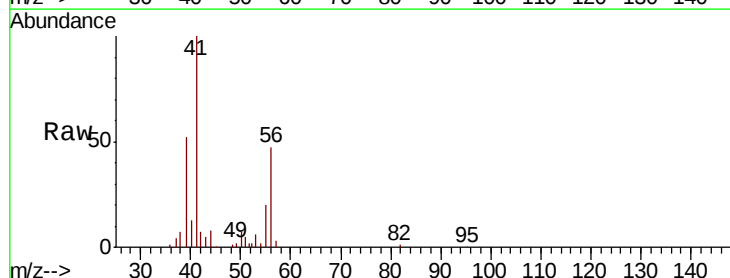
Acq: 20 May 2021 15:19

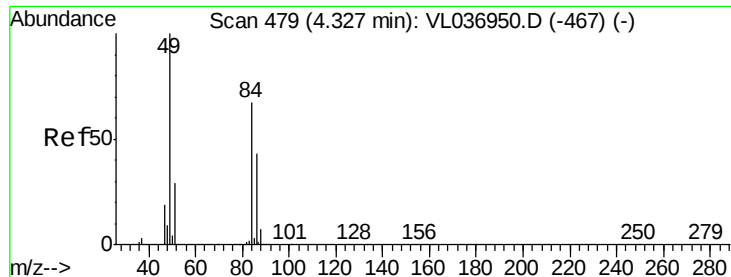
Tgt Ion: 39 Resp: 36749

Ion Ratio Lower Upper

39 100

54 7.0 63.2 94.8#

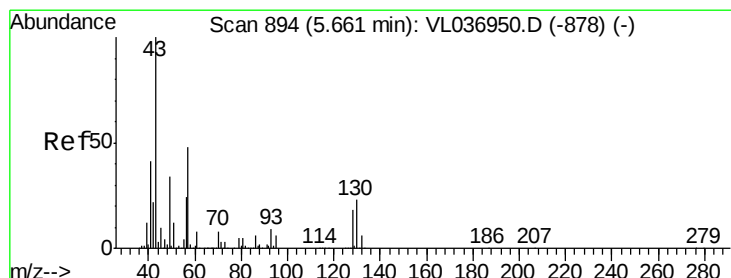
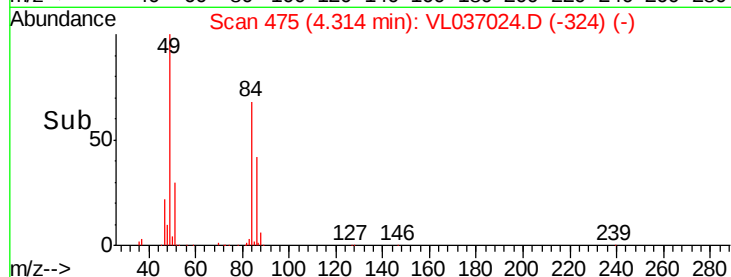
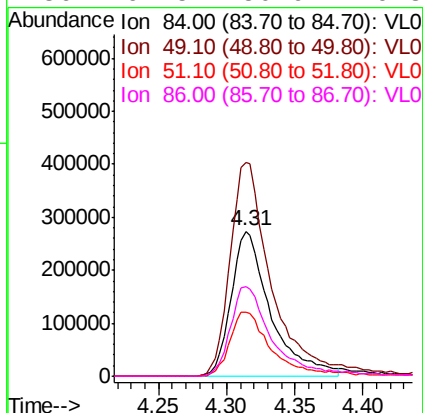
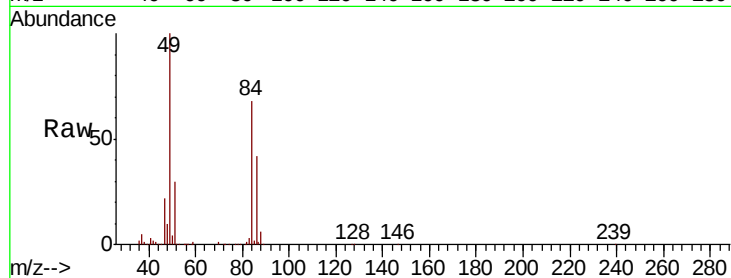




#20
Methylene Chloride
Concen: 7.864 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL037024.D
Acq: 20 May 2021 15:19

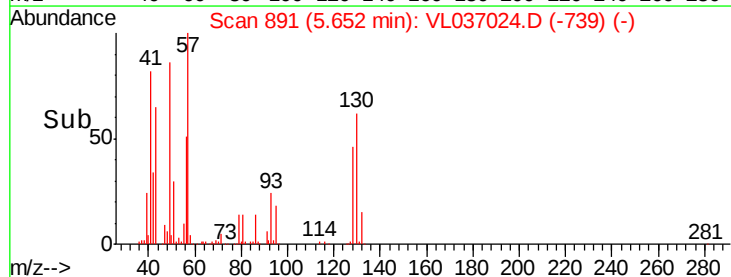
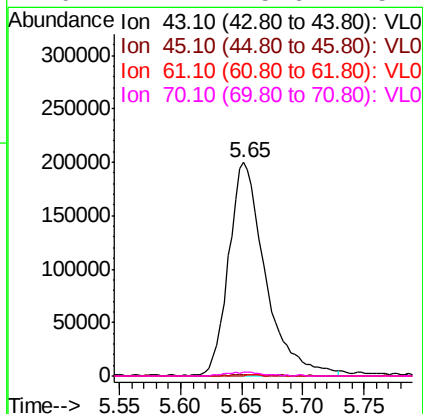
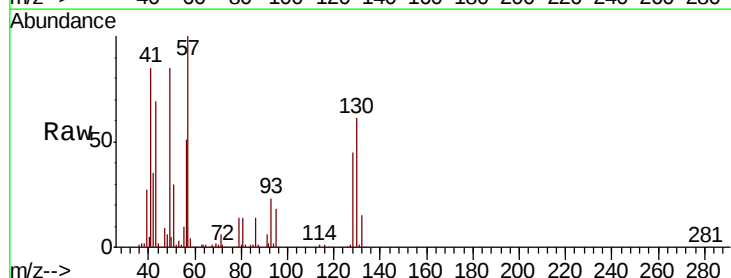
Instrument :
MSVOA_L
ClientSampleId :
KSV-04DL2

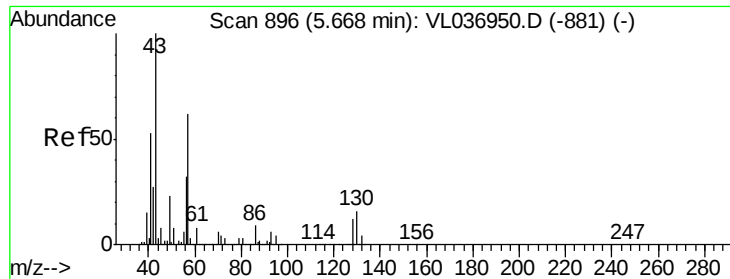
Tot Ion:	84	Resp:	547830
Ion	Ratio	Lower	Upper
84	100		
49	147.4	119.8	179.6
51	44.1	35.1	52.7
86	61.5	50.9	76.3



#25
Ethyl Acetate
Concen: 1.329 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL037024.D
Acq: 20 May 2021 15:19

Tgt Ion:	43	Resp:	415175
Ion	Ratio	Lower	Upper
43	100		
45	0.8	7.8	11.8#
61	0.5	7.8	11.8#
70	2.1	5.6	8.4#

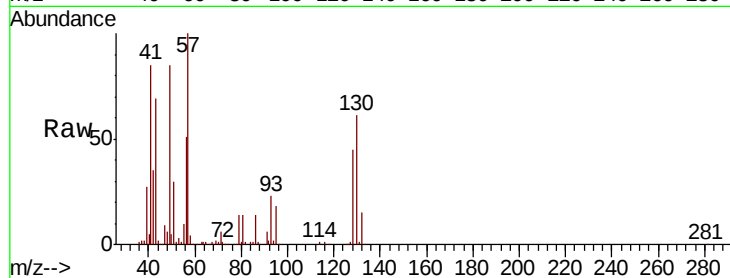




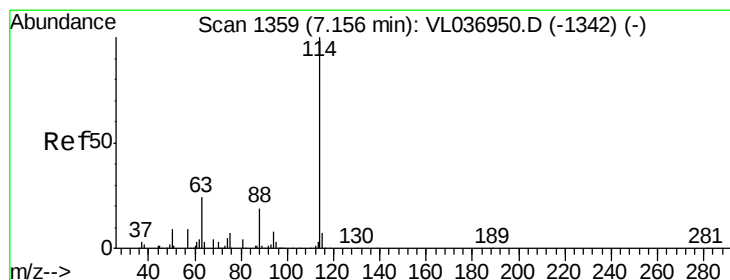
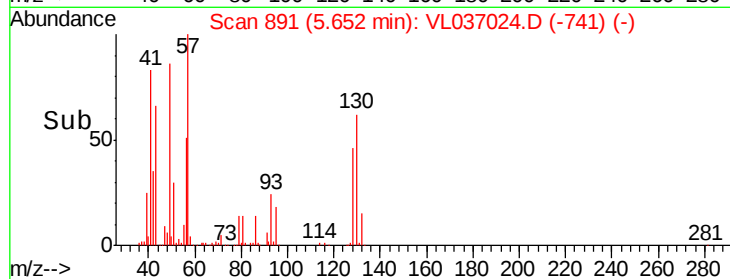
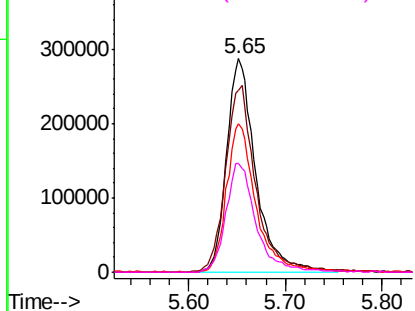
#26
Hexane
Concen: 3.779 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL037024.D
Acq: 20 May 2021 15:19

Instrument :
MSVOA_L
ClientSampleId :
KSV-04DL2

Tot Ion: 57 Resp: 602826
Ion Ratio Lower Upper
57 100
41 91.6 70.5 105.7
43 70.2 165.8 248.8#
56 53.1 42.2 63.4

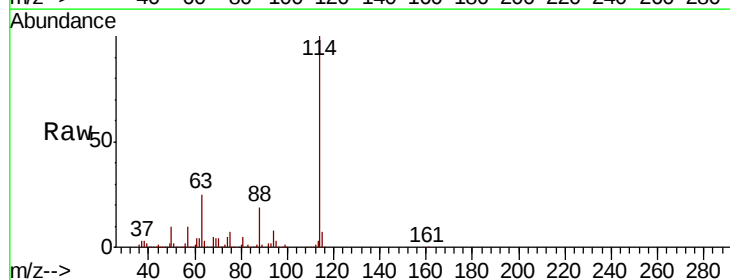


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

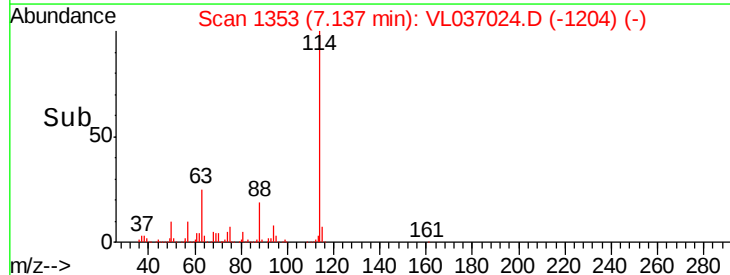
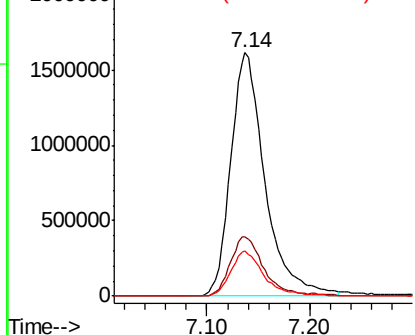


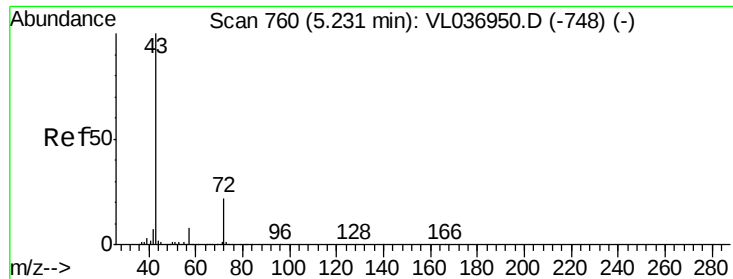
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.02 min
Lab File: VL037024.D
Acq: 20 May 2021 15:19

Tgt Ion:114 Resp: 3730527
Ion Ratio Lower Upper
114 100
63 24.6 19.6 29.4
88 18.2 14.6 21.8



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

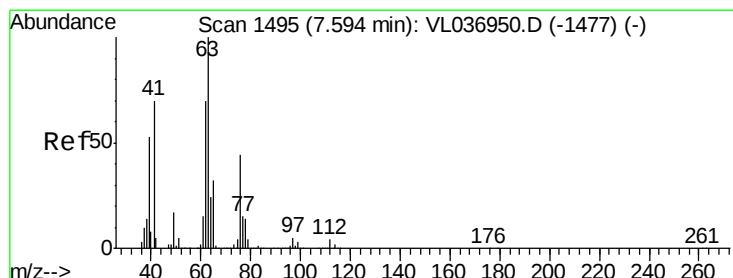
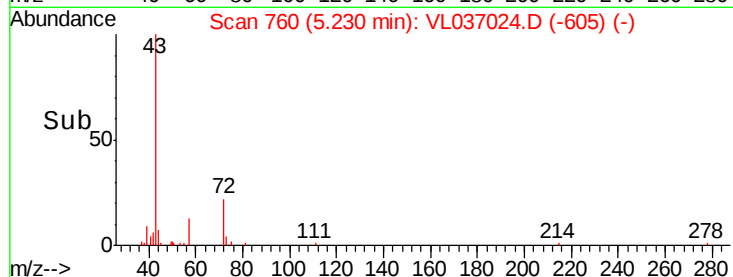
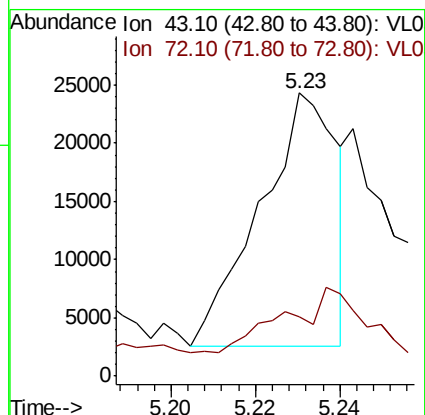
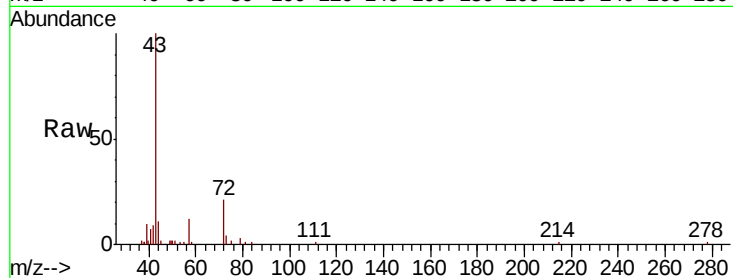




#34
 2-Butanone
 Concen: 0.201 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL037024.D
 Acq: 20 May 2021 15:19

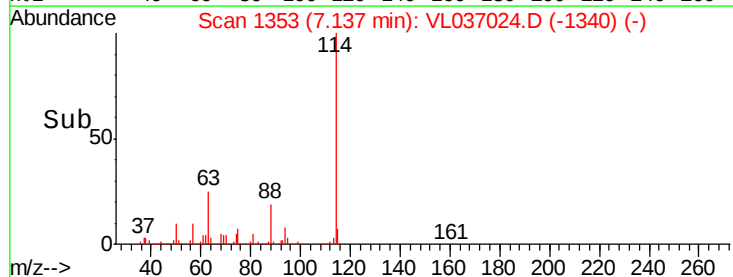
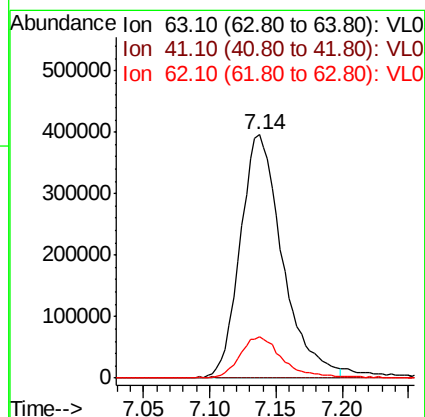
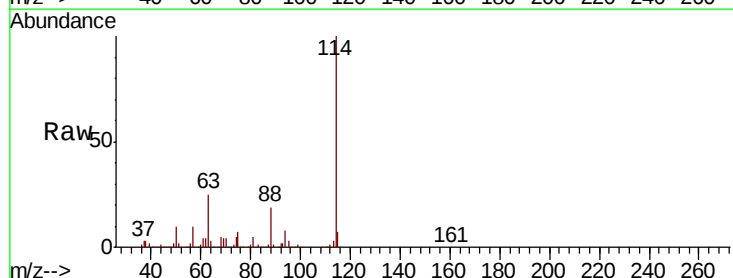
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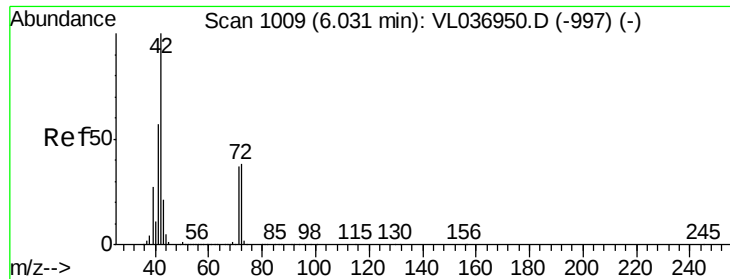
Tot Ion: 43 Resp: 27298
 Ion Ratio Lower Upper
 43 100
 72 66.9 19.0 28.4#



#39
 1,2-Dichloropropane
 Concen: 7.102 ppbv
 RT: 7.14 min Scan# 1353
 Delta R.T. -0.46 min
 Lab File: VL037024.D
 Acq: 20 May 2021 15:19

Tgt Ion: 63 Resp: 879145
 Ion Ratio Lower Upper
 63 100
 41 0.1 55.7 83.5#
 62 16.8 56.2 84.4#





#41

Tetrahydrofuran

Concen: 0.036 ppbv

RT: 5.71 min Scan# 908

Delta R.T. -0.32 min

Lab File: VL037024.D

Acq: 20 May 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

KSV-04DL2

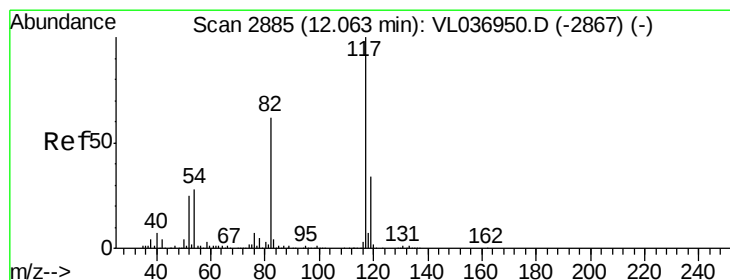
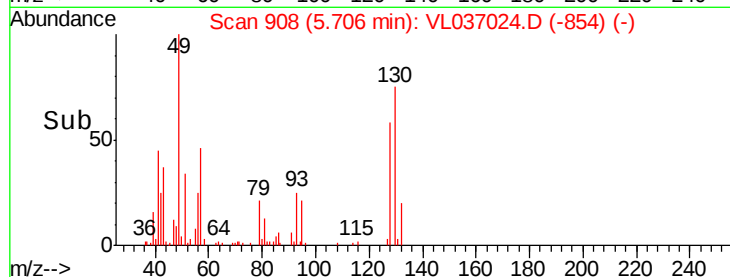
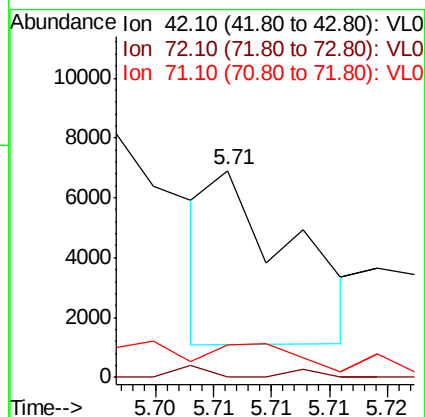
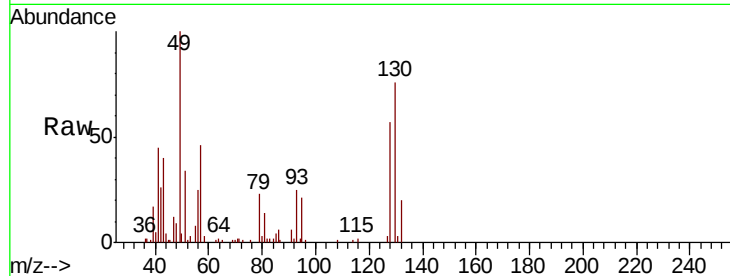
Tot Ion: 42 Resp: 2818

Ion Ratio Lower Upper

42 100

72 3.5 31.4 47.2#

71 0.0 30.4 45.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.04 min Scan# 2879

Delta R.T. -0.02 min

Lab File: VL037024.D

Acq: 20 May 2021 15:19

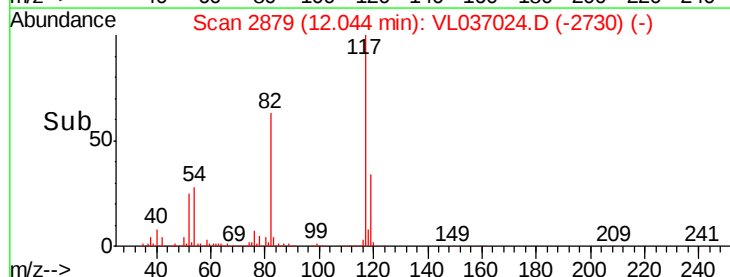
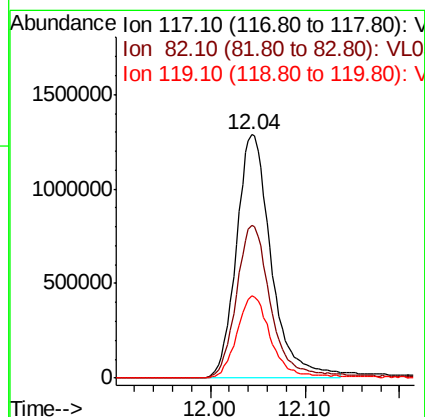
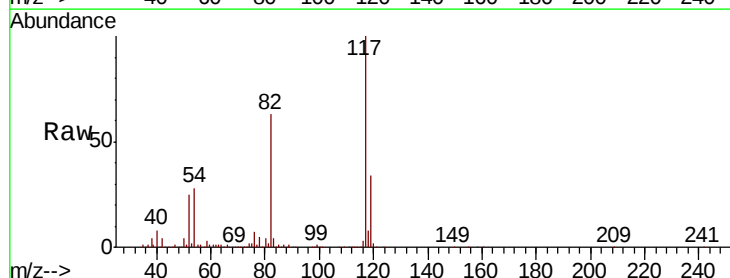
Tgt Ion: 117 Resp: 3300413

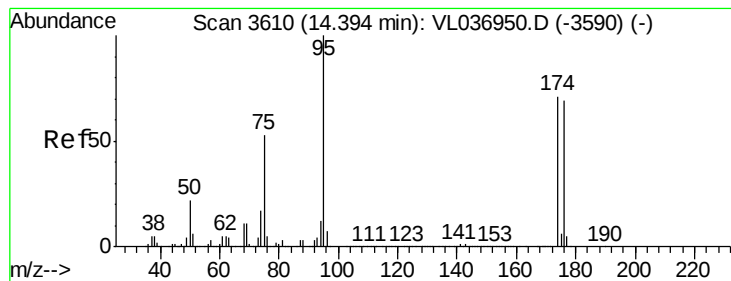
Ion Ratio Lower Upper

117 100

82 63.2 52.6 79.0

119 34.2 46.6 70.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.775 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.02 min

Lab File: VL037024.D

Acq: 20 May 2021 15:19

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KSV-04DL2

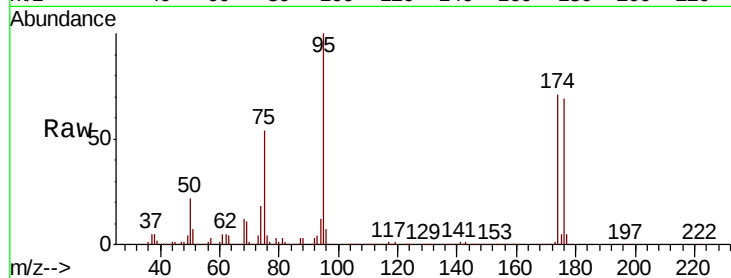
Tot Ion: 95 Resp: 2423628

Ion Ratio Lower Upper

95 100

174 75.1 58.4 87.6

175 5.5 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

