

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037030.D
 Acq On : 20 May 2021 19:10
 Operator : SY/AP
 Sample : M2424-03DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-02DL

Quant Time: May 21 01:17:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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	1214387	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	3544008	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	3121681	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.37	95	2226201	9.49	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%	

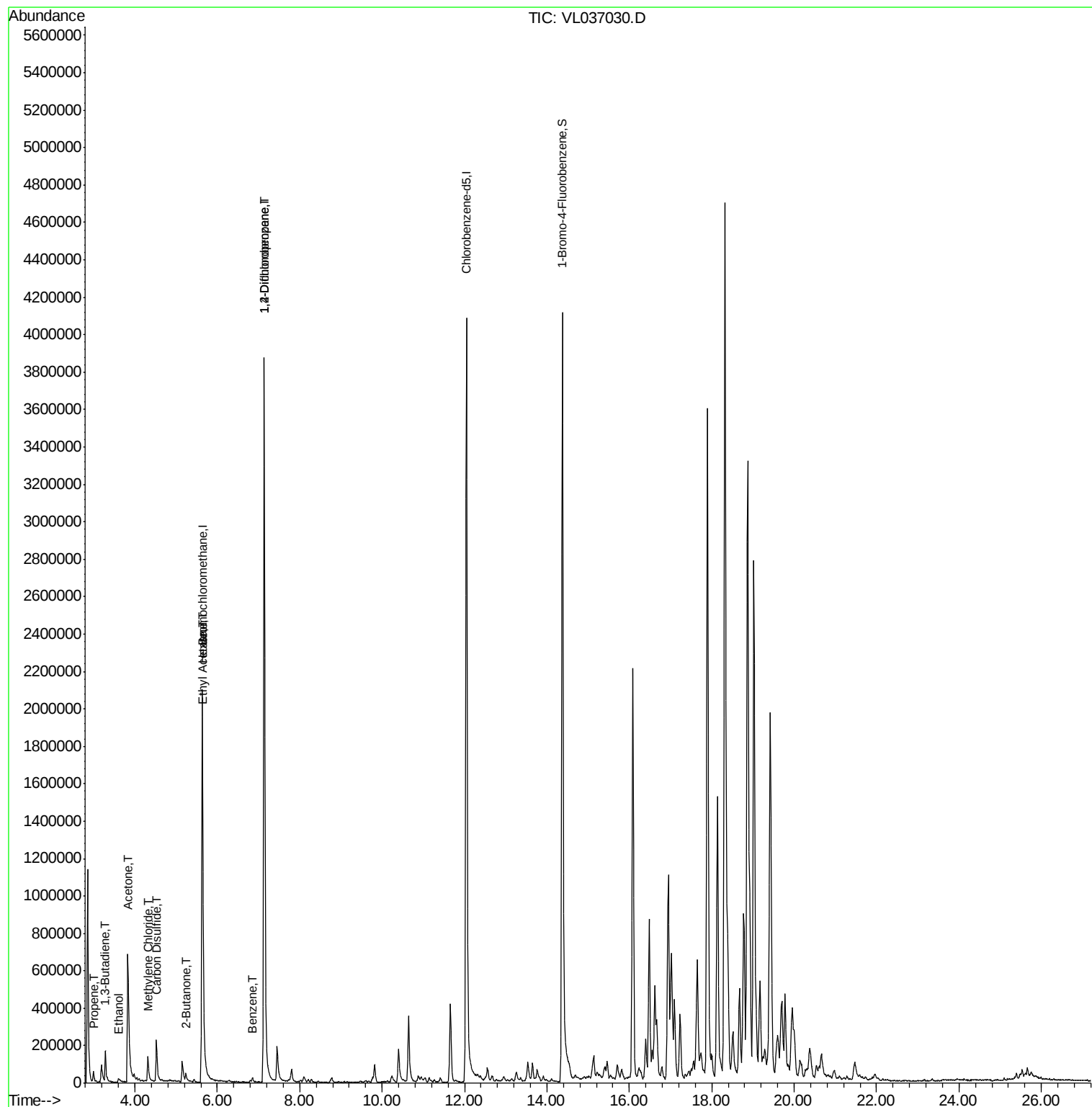
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2517	0.032	ppbv	89
13) Ethanol	3.60	45	10619	0.999	ppbv #	35
15) Acetone	3.83	43	1211808	9.742	ppbv	99
16) 1,3-Butadiene	3.28	39	47522	0.615	ppbv #	16
20) Methylene Chloride	4.31	84	47968	0.719	ppbv	92
25) Ethyl Acetate	5.65	43	29178	0.098	ppbv #	92
26) Hexane	5.65	57	18256	0.120	ppbv #	1
27) Carbon Disulfide	4.52	76	313352	2.036	ppbv	96
34) 2-Butanone	5.24	43	49979	0.387	ppbv #	66
36) Benzene	6.86	78	16087	0.053	ppbv #	91
39) 1,2-Dichloropropane	7.14	63	819279	6.967	ppbv #	25

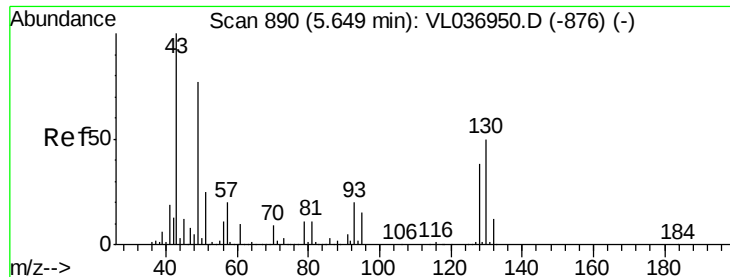
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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KSV-02DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
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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: VL037030.D

Acq: 20 May 2021 19:10

Instrument :

MSVOA_L

ClientSampleId :

KSV-02DL

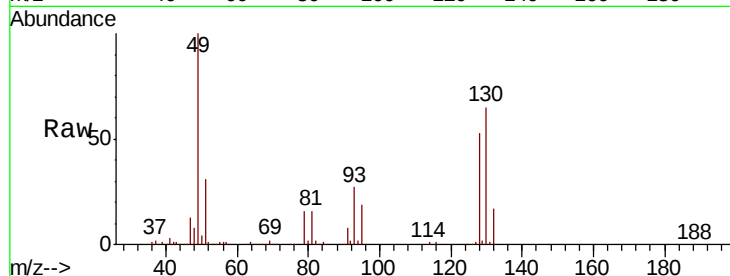
Tot Ion: 49 Resp: 1214387

Ion Ratio Lower Upper

49 100

128 53.2 26.9 80.7

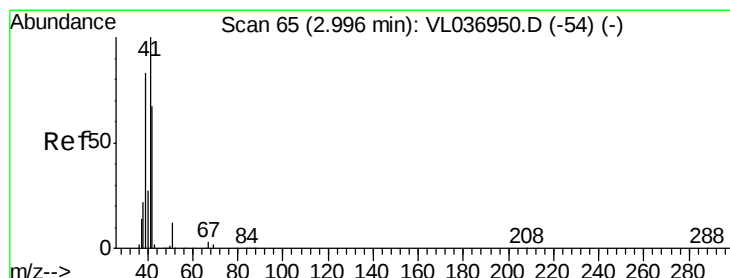
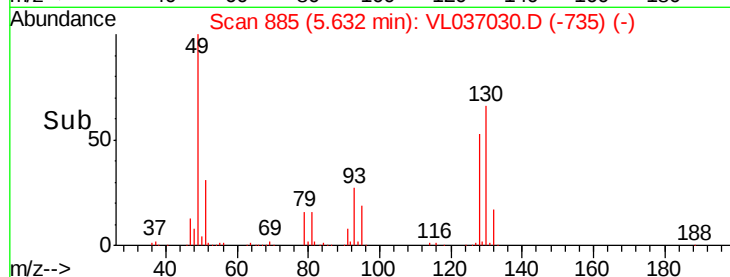
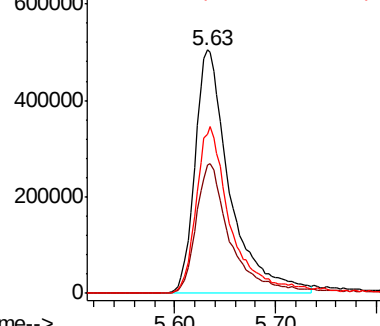
130 69.4 33.8 101.4



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: 0.032 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037030.D

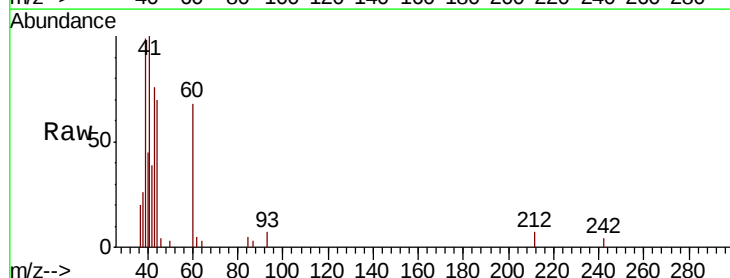
Acq: 20 May 2021 19:10

Tgt Ion: 41 Resp: 2517

Ion Ratio Lower Upper

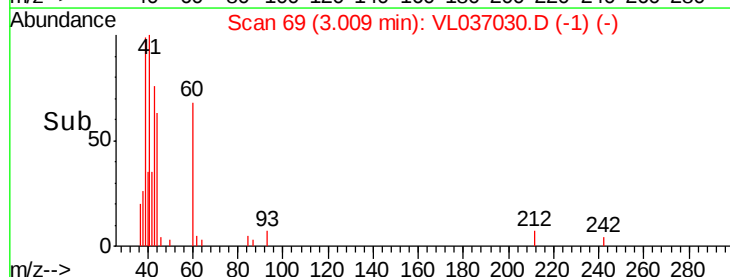
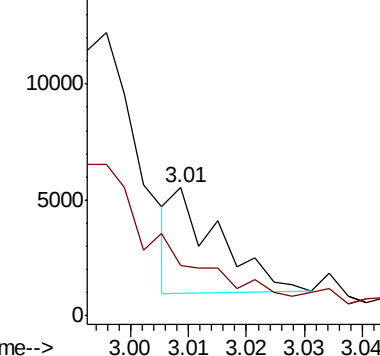
41 100

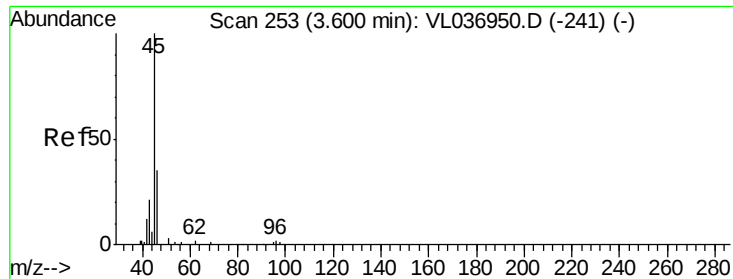
42 58.6 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

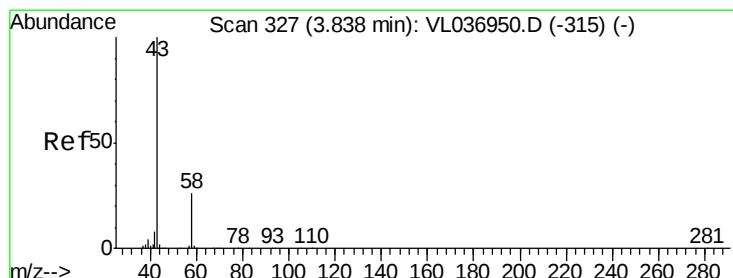
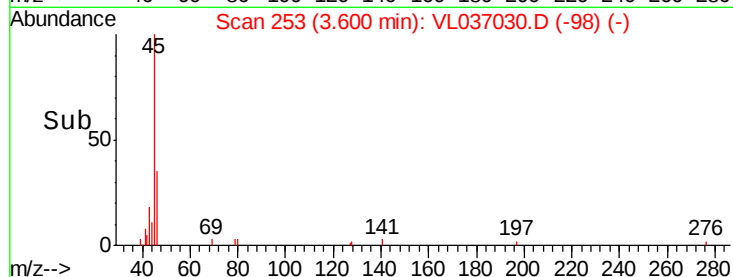
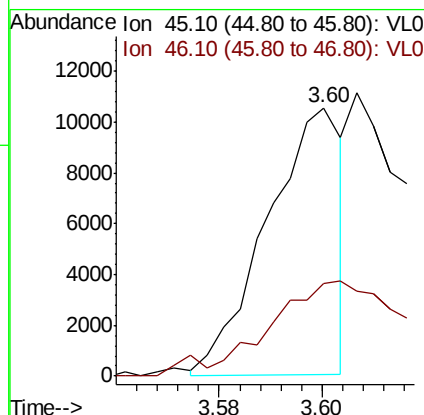
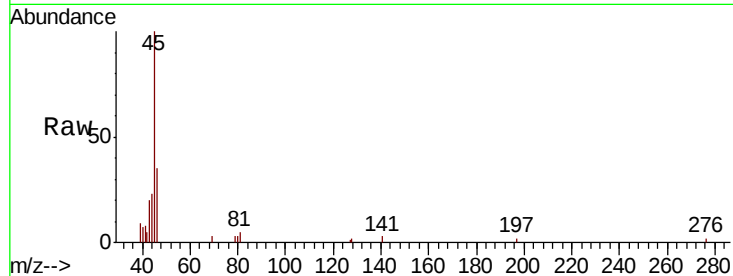




#13
Ethanol
Concen: 0.999 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037030.D
Acq: 20 May 2021 19:10

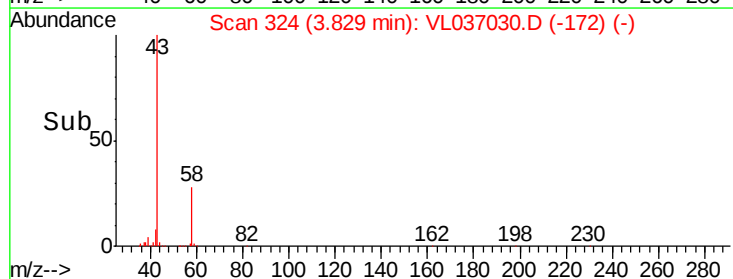
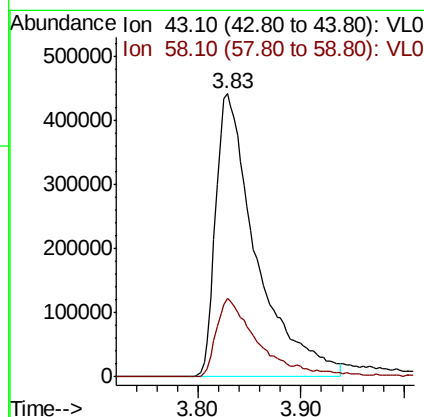
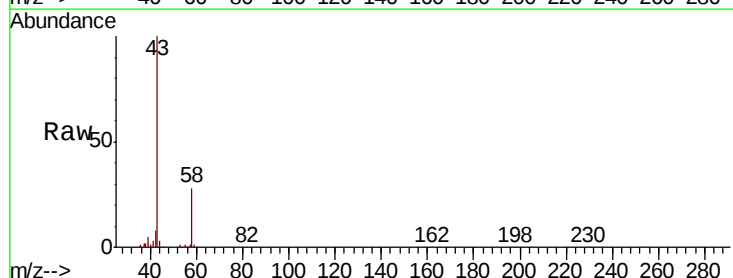
Instrument :
MSVOA_L
ClientSampleId :
KSV-02DL

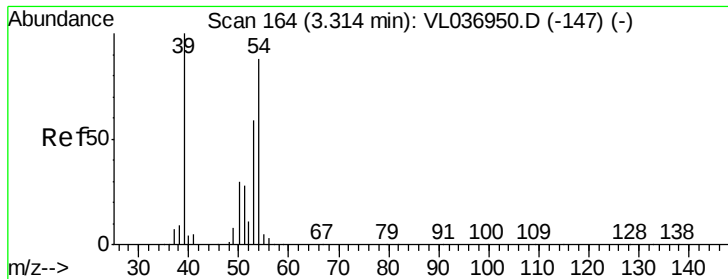
Tot Ion: 45 Resp: 10619
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#



#15
Acetone
Concen: 9.742 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.01 min
Lab File: VL037030.D
Acq: 20 May 2021 19:10

Tgt Ion: 43 Resp: 1211808
Ion Ratio Lower Upper
43 100
58 29.6 24.0 36.0

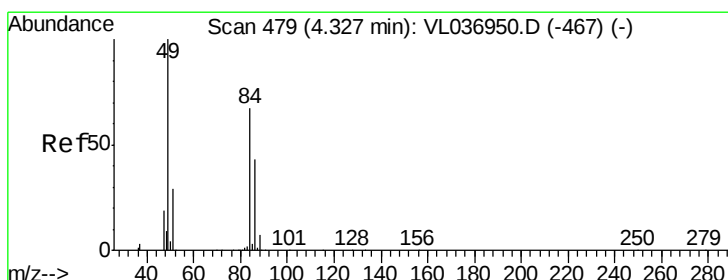
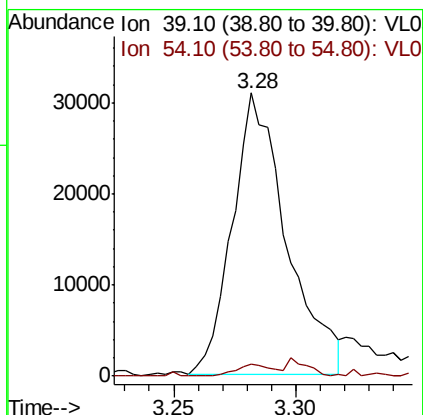
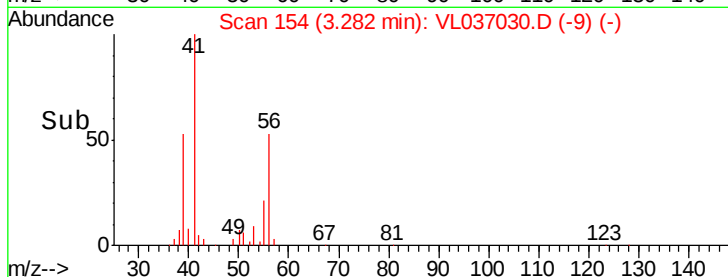
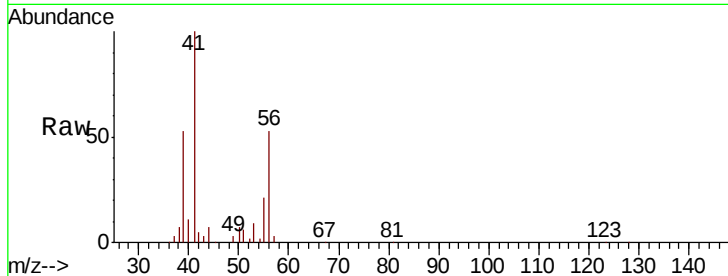




#16
1,3-Butadiene
Concen: 0.615 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.03 min
Lab File: VL037030.D
Acq: 20 May 2021 19:10

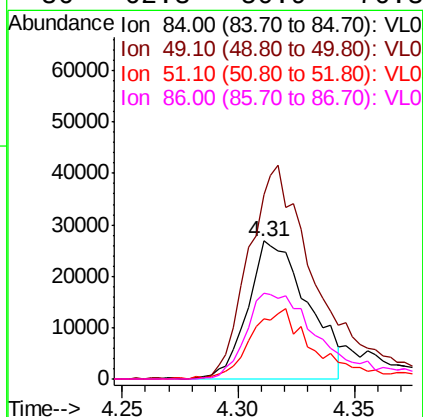
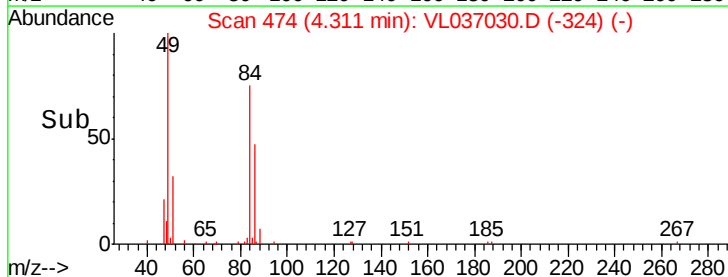
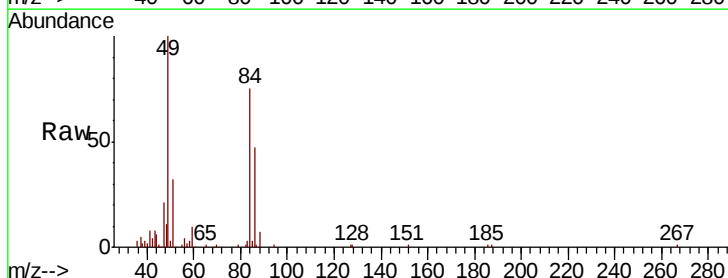
Instrument :
MSVOA_L
ClientSampleId :
KSV-02DL

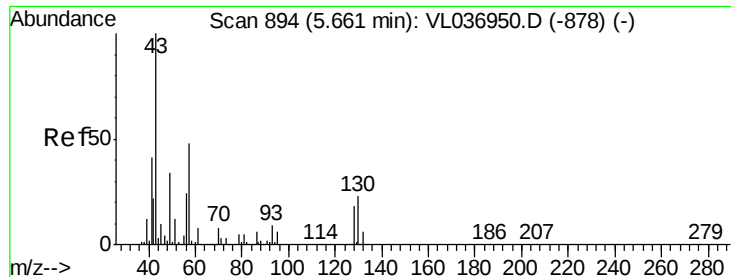
Tot Ion: 39 Resp: 47522
Ion Ratio Lower Upper
39 100
54 5.7 63.2 94.8#



#20
Methylene Chloride
Concen: 0.719 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.02 min
Lab File: VL037030.D
Acq: 20 May 2021 19:10

Tgt Ion: 84 Resp: 47968
Ion Ratio Lower Upper
84 100
49 133.7 119.8 179.6
51 43.1 35.1 52.7
86 62.3 50.9 76.3

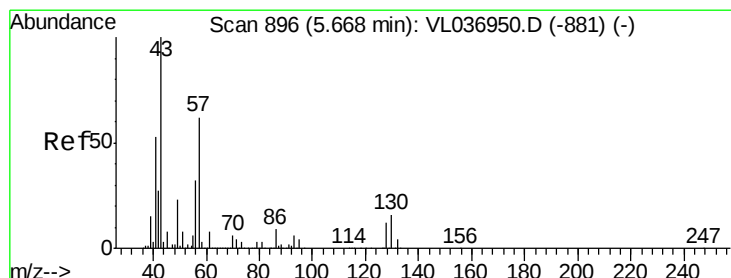
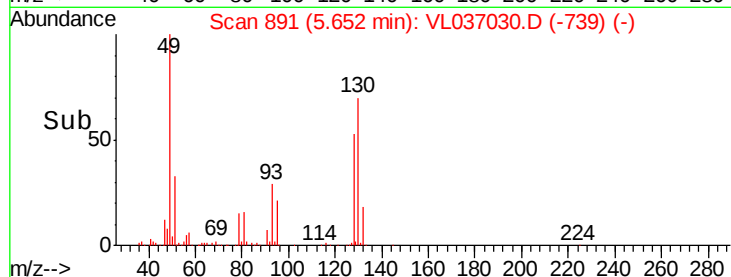
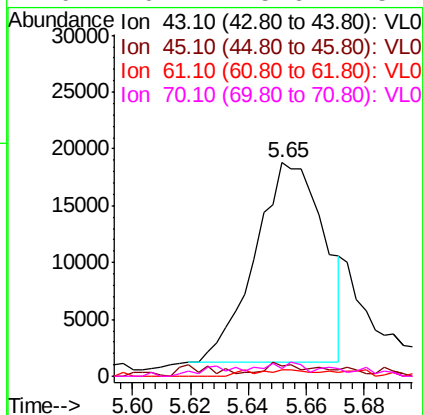
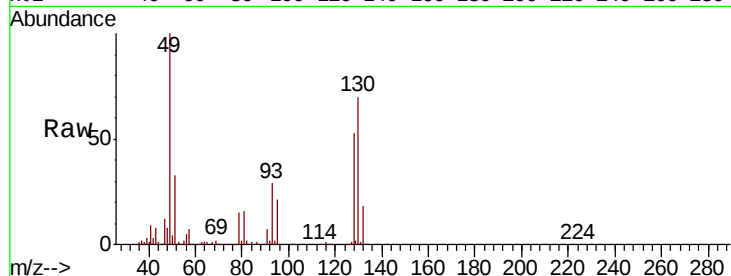




#25
Ethyl Acetate
Concen: 0.098 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL037030.D
Acq: 20 May 2021 19:10

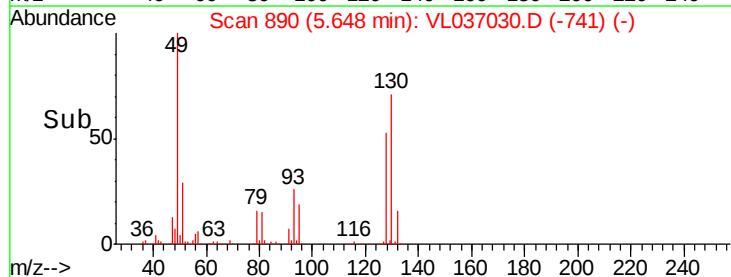
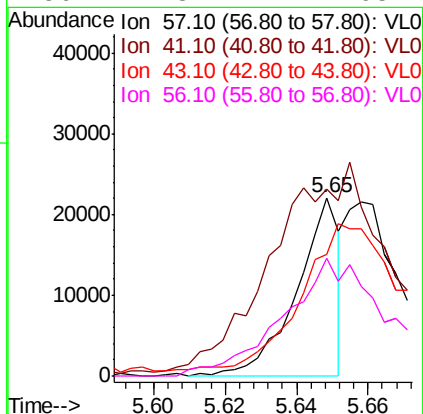
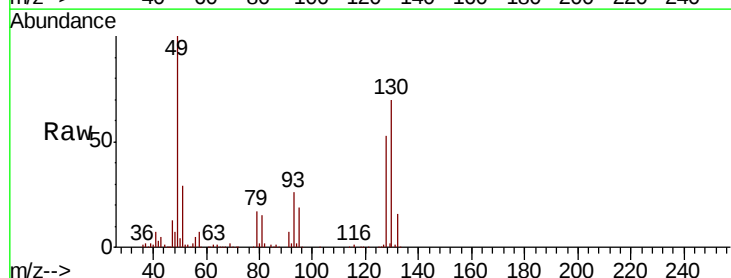
Instrument :
MSVOA_L
ClientSampleId :
KSV-02DL

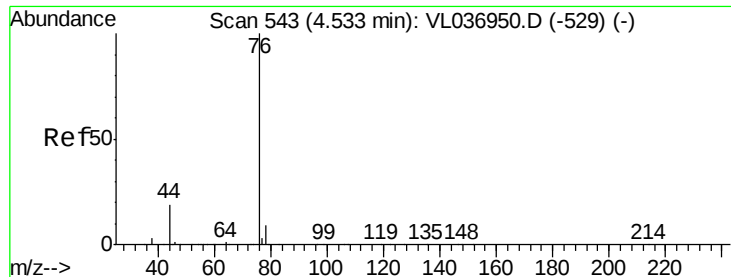
Tot Ion:	43	Resp:	29178
Ion	Ratio	Lower	Upper
43	100		
45	8.8	7.8	11.8
61	5.2	7.8	11.8#
70	10.7	5.6	8.4#



#26
Hexane
Concen: 0.120 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL037030.D
Acq: 20 May 2021 19:10

Tgt Ion:	57	Resp:	18256
Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.5	105.7#
43	0.0	165.8	248.8#
56	177.3	42.2	63.4#





#27

Carbon Disulfide

Concen: 2.036 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL037030.D

Acq: 20 May 2021 19:10

Instrument :

MSVOA_L

ClientSampleId :

KSV-02DL

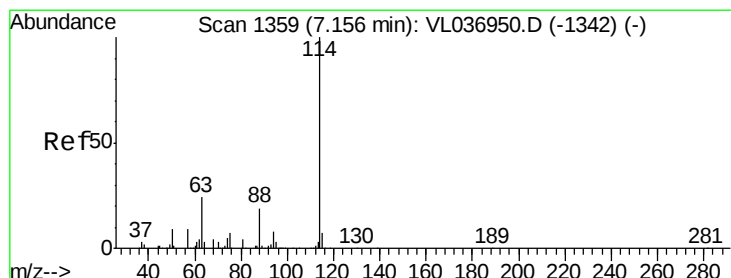
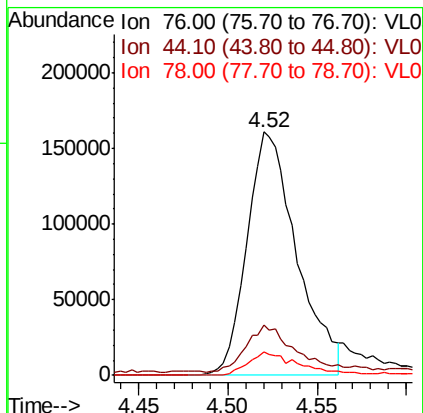
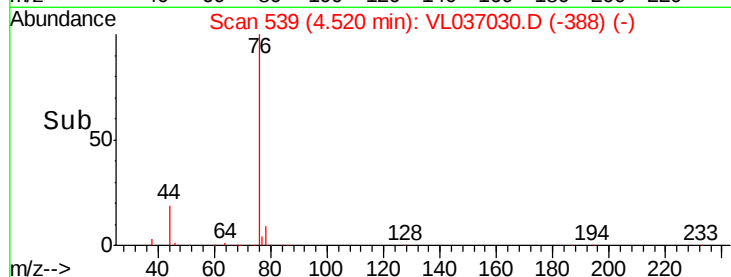
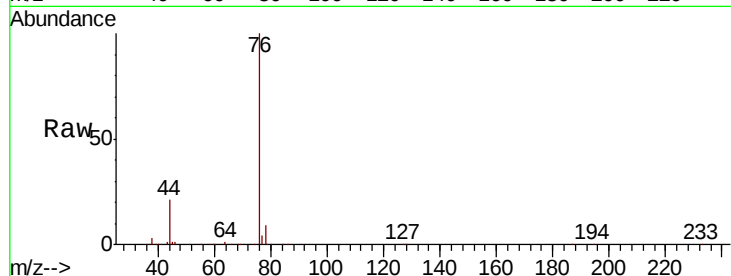
Tot Ion: 76 Resp: 313352

Ion Ratio Lower Upper

76 100

44 21.5 15.5 23.3

78 10.7 7.8 11.6



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.02 min

Lab File: VL037030.D

Acq: 20 May 2021 19:10

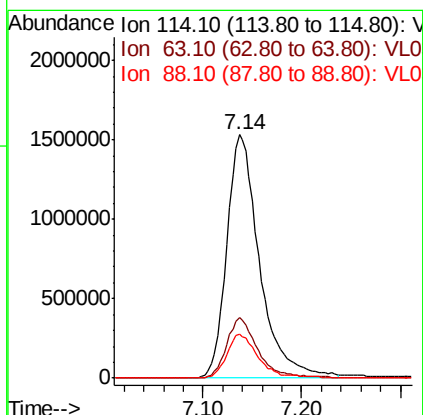
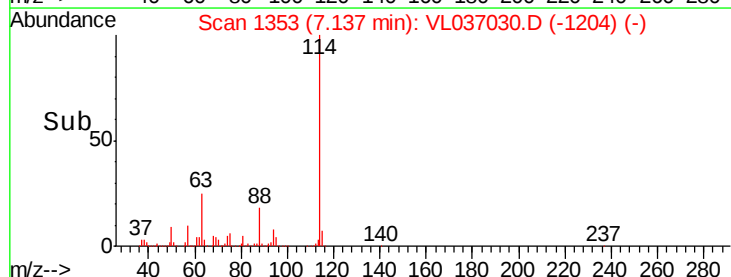
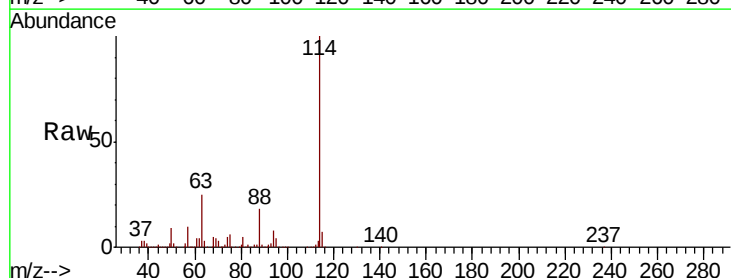
Tgt Ion: 114 Resp: 3544008

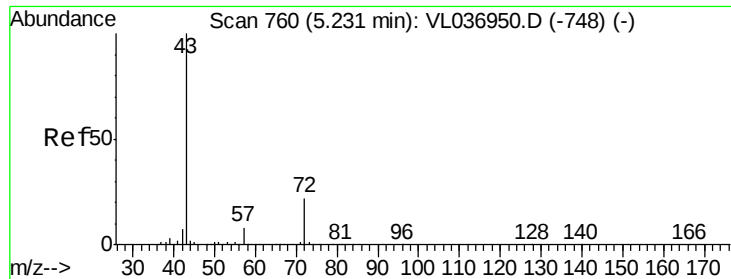
Ion Ratio Lower Upper

114 100

63 24.2 19.6 29.4

88 17.9 14.6 21.8

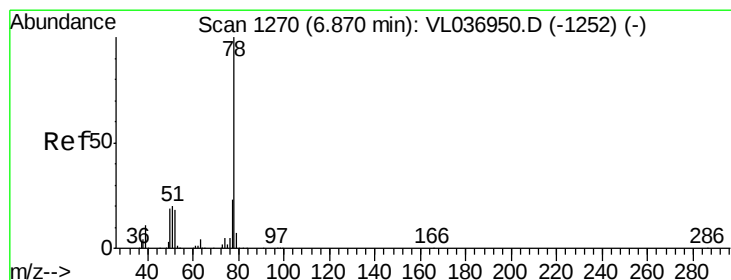
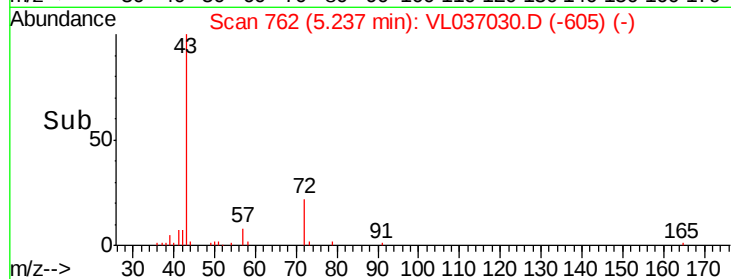
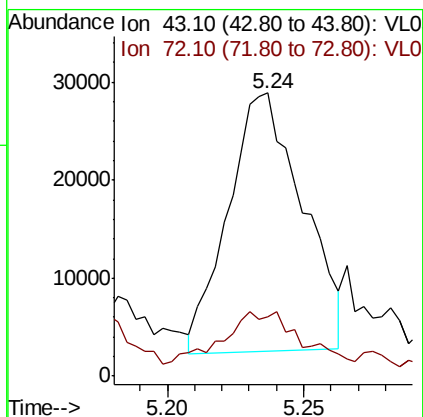
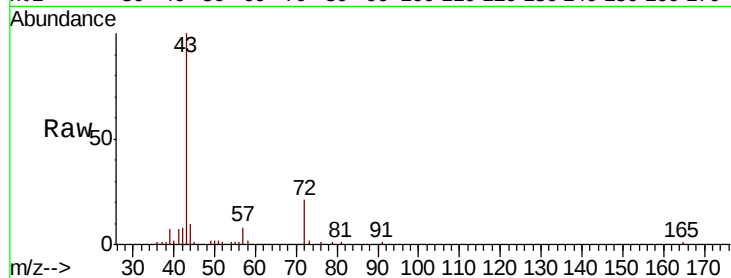




#34
2-Butanone
Concen: 0.387 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.01 min
Lab File: VL037030.D
Acq: 20 May 2021 19:10

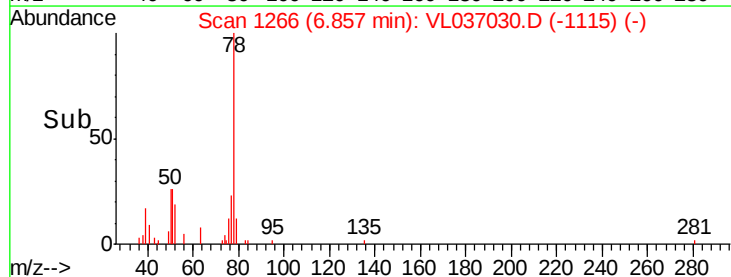
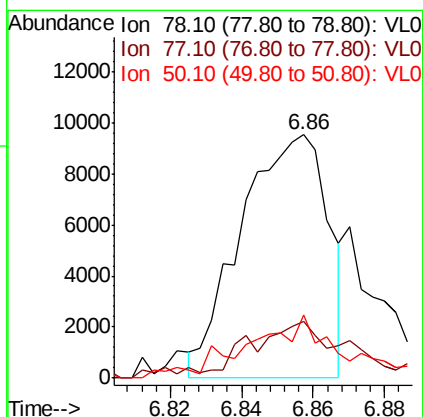
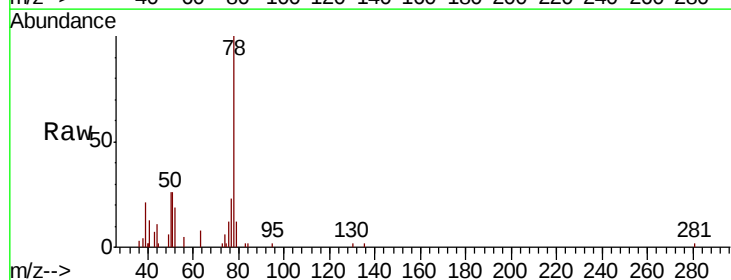
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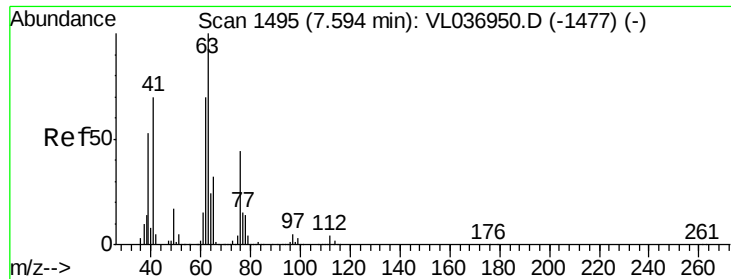
Tot Ion: 43 Resp: 49979
Ion Ratio Lower Upper
43 100
72 40.2 19.0 28.4#



#36
Benzene
Concen: 0.053 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL037030.D
Acq: 20 May 2021 19:10

Tgt Ion: 78 Resp: 16087
Ion Ratio Lower Upper
78 100
77 21.1 18.6 28.0
50 25.7 15.0 22.4#

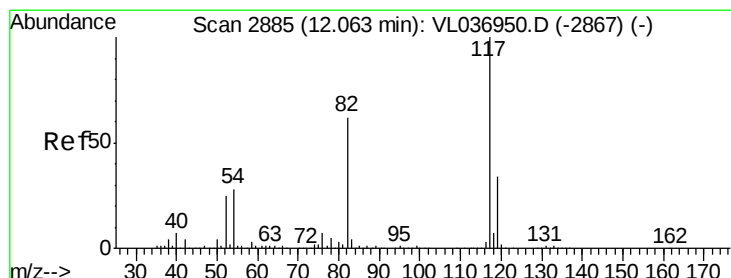
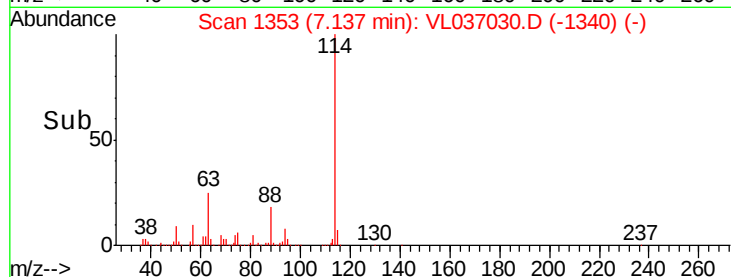
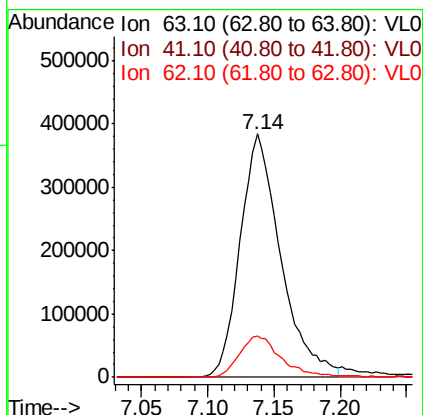
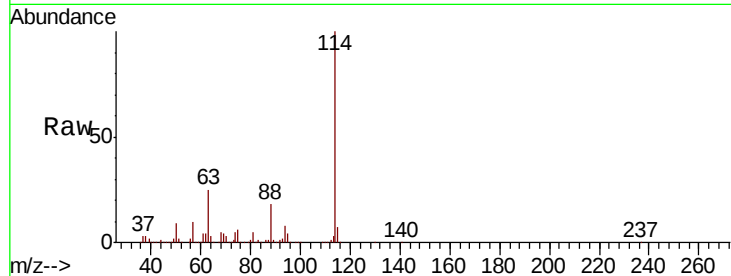




#39
 1,2-Dichloropropane
 Concen: 6.967 ppbv
 RT: 7.14 min Scan# 1353
 Delta R.T. -0.46 min
 Lab File: VL037030.D
 Acq: 20 May 2021 19:10

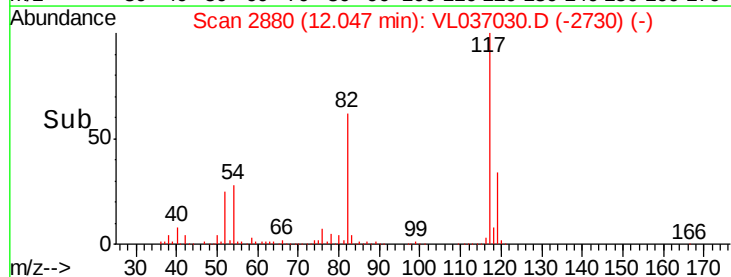
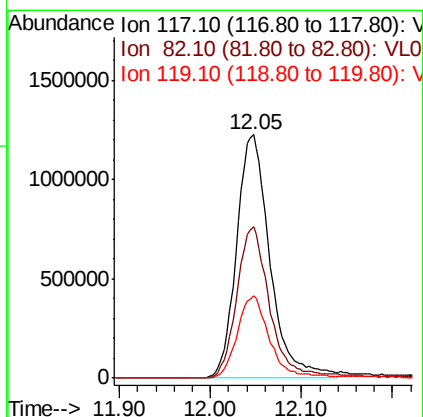
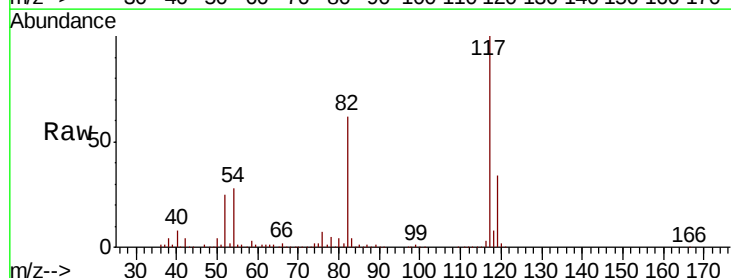
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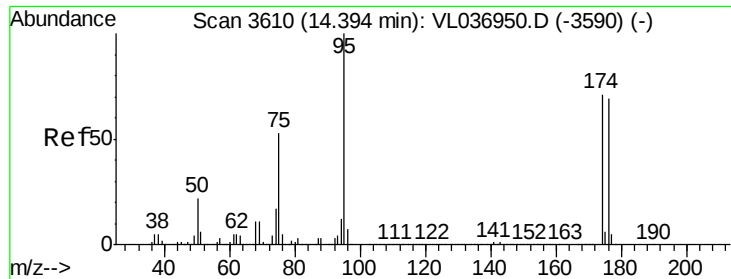
Tot Ion: 63 Resp: 819279
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.7 83.5#
 62 17.0 56.2 84.4#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.05 min Scan# 2880
 Delta R.T. -0.02 min
 Lab File: VL037030.D
 Acq: 20 May 2021 19:10

Tgt Ion: 117 Resp: 3121681
 Ion Ratio Lower Upper
 117 100
 82 63.7 52.6 79.0
 119 34.0 46.6 70.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.493 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.02 min

Lab File: VL037030.D

Acq: 20 May 2021 19:10

Instrument :

MSVOA_L

ClientSampleId :

KSV-02DL

Tot Ion: 95 Resp: 2226201

Ion Ratio Lower Upper

95 100

174 76.9 58.4 87.6

175 5.6 4.4 6.6

