

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036734.D
 Acq On : 7 Apr 2021 20:02
 Operator : SY/AP
 Sample : M1929-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV-03-XDL

Quant Time: Apr 08 02:42:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 01:58:43 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1254310	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3265165	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2694152	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2131874	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

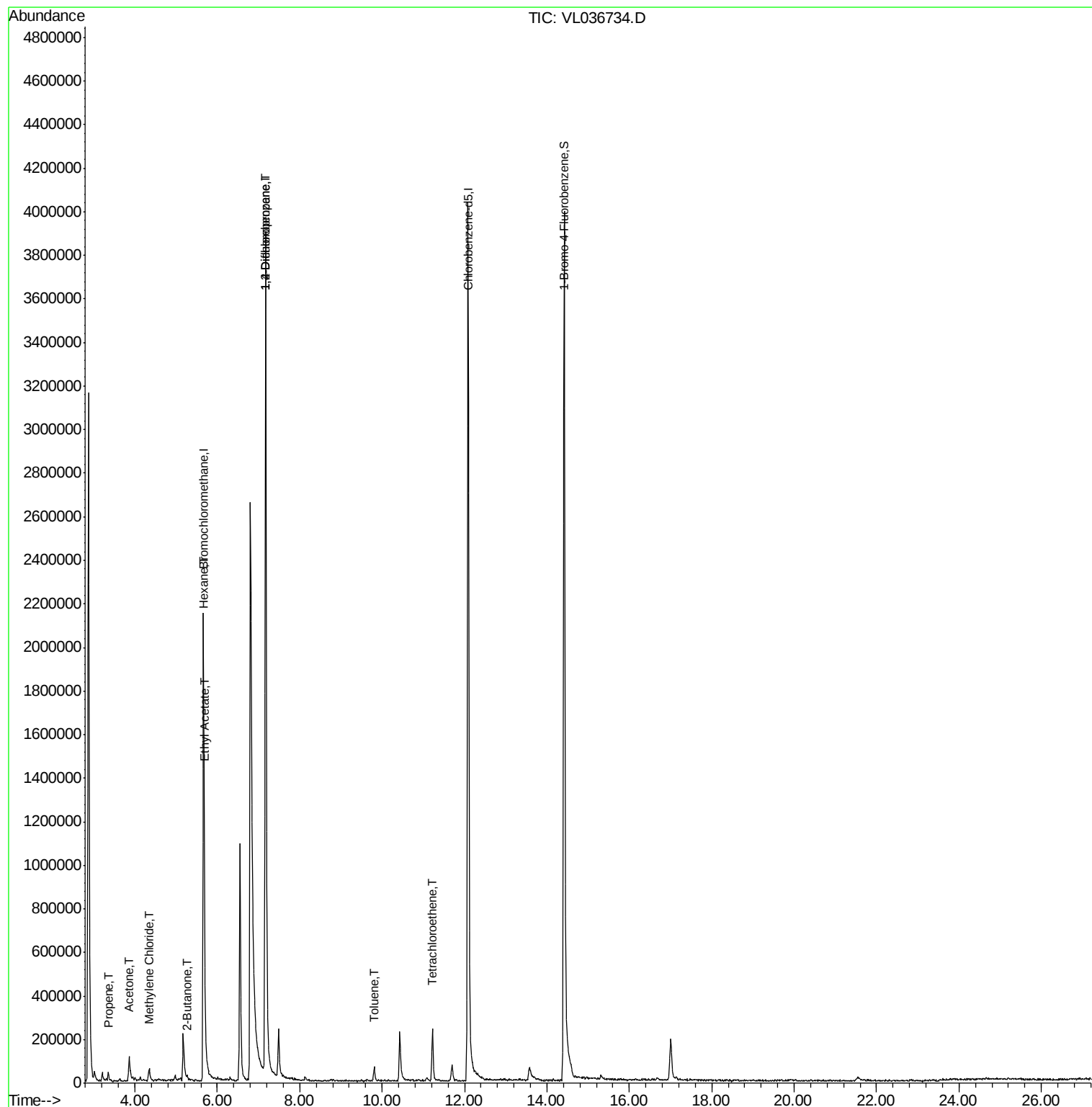
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.35	41	10193	0.136	ppbv	97
15) Acetone	3.85	43	73458	0.595	ppbv #	1
20) Methylene Chloride	4.34	84	16764	0.290	ppbv	94
25) Ethyl Acetate	5.69	43	10369	0.035	ppbv #	80
26) Hexane	5.68	57	8449	0.062	ppbv #	1
34) 2-Butanone	5.26	43	10384	0.065	ppbv #	55
39) 1,2-Dichloropropane	7.17	63	852666	6.980	ppbv #	24
52) Tetrachloroethene	11.21	164	19770	0.178	ppbv	91
53) Toluene	9.80	91	17389	0.054	ppbv #	20

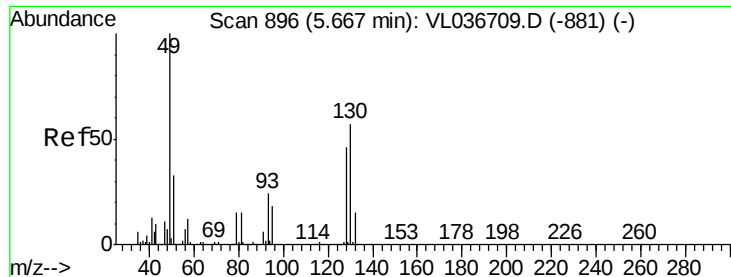
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

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ClientSampleId :

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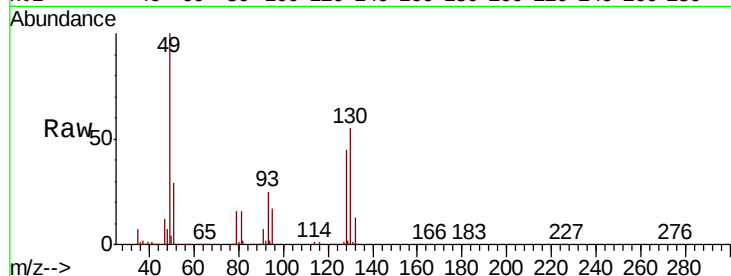
Tot Ion: 49 Resp: 1254310

Ion Ratio Lower Upper

49 100

128 48.0 23.5 70.6

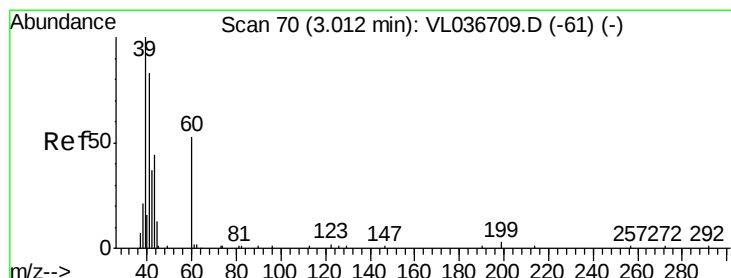
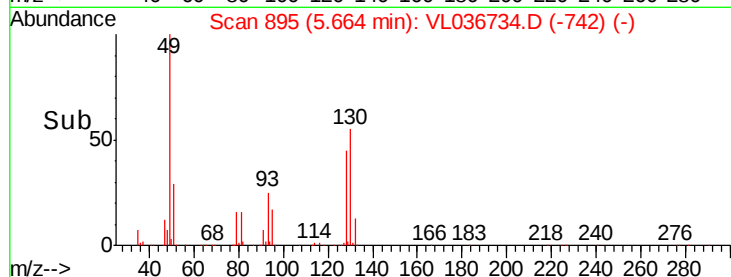
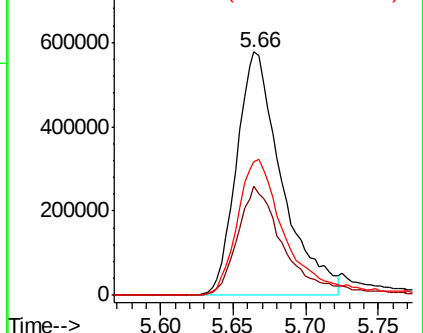
130 62.7 29.1 87.4



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



#9

Propene

Concen: 0.136 ppbv

RT: 3.35 min Scan# 176

Delta R.T. 0.34 min

Lab File: VL036734.D

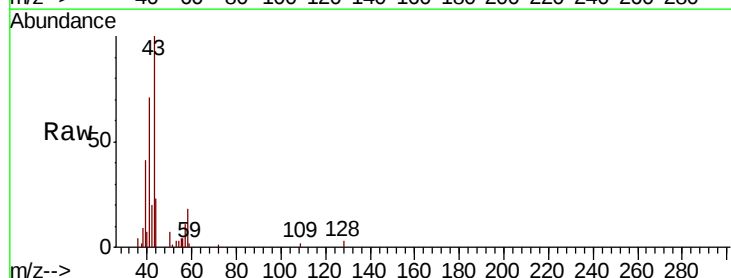
Acq: 7 Apr 2021 20:02

Tgt Ion: 41 Resp: 10193

Ion Ratio Lower Upper

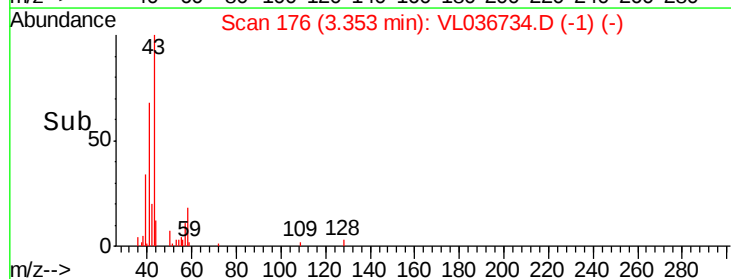
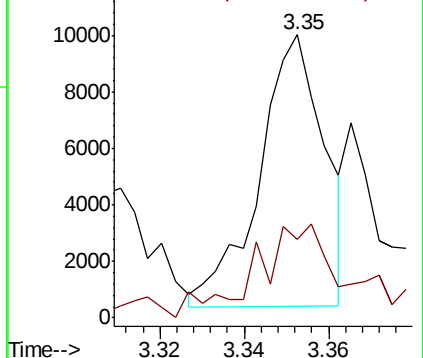
41 100

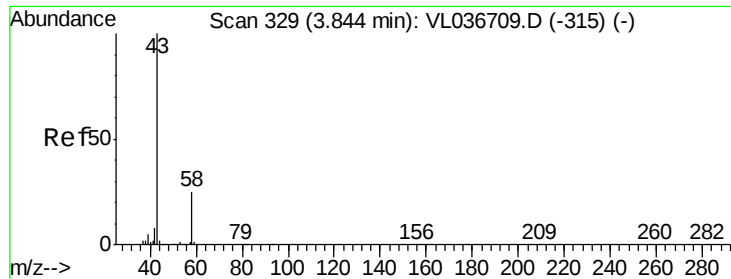
42 69.0 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

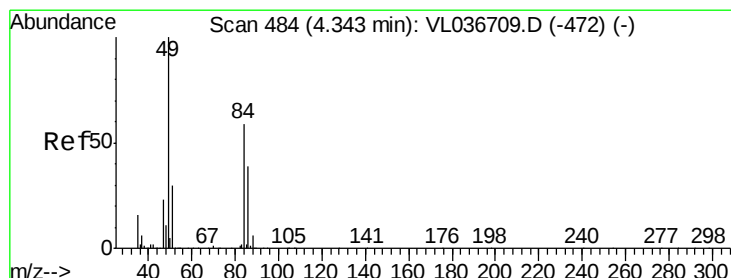
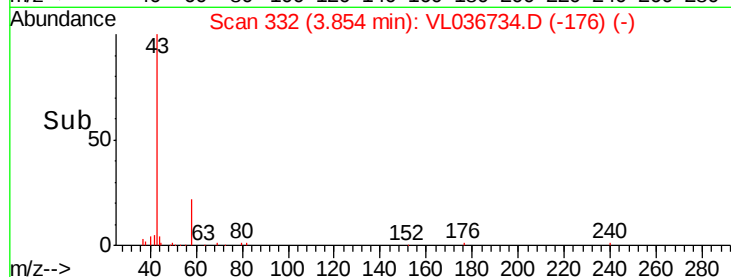
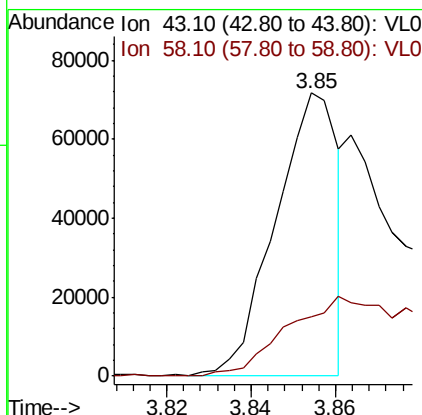
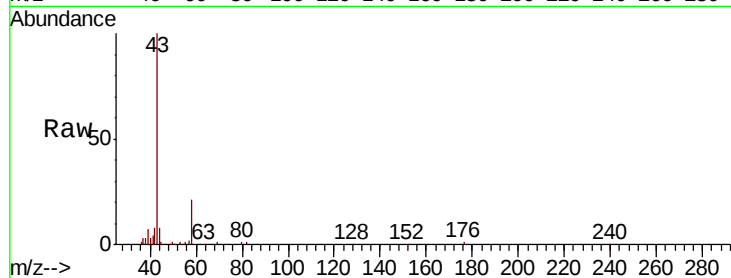




#15
Acetone
Concen: 0.595 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL036734.D
Acq: 7 Apr 2021 20:02

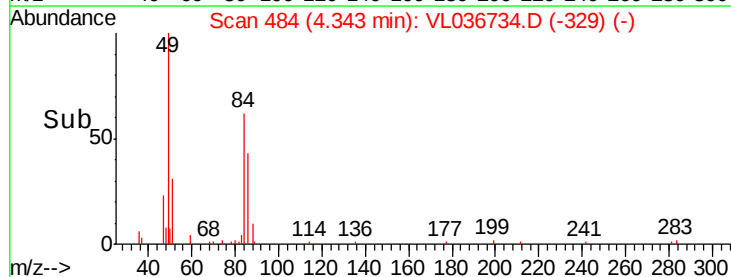
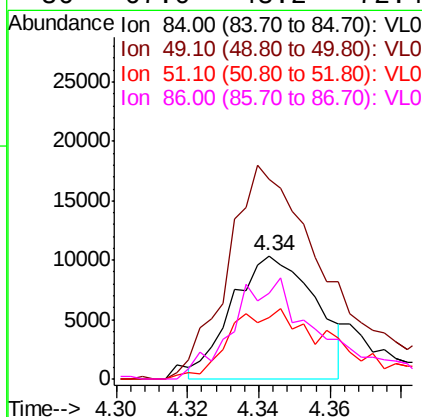
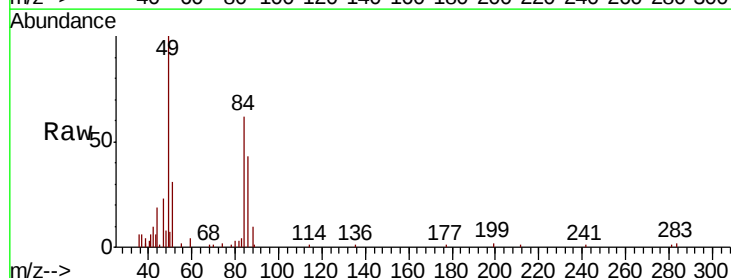
Instrument :
MSVOA_L
ClientSampleId :
FS-SV-03-XDL

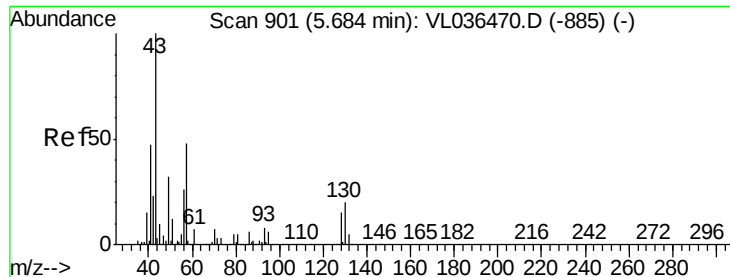
Tot Ion: 43 Resp: 73458
Ion Ratio Lower Upper
43 100
58 80.9 21.2 31.8#



#20
Methylene Chloride
Concen: 0.290 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036734.D
Acq: 7 Apr 2021 20:02

Tgt Ion: 84 Resp: 16764
Ion Ratio Lower Upper
84 100
49 160.9 122.9 184.3
51 49.9 36.9 55.3
86 67.0 48.2 72.4





#25

Ethyl Acetate

Concen: 0.035 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL036734.D

Acq: 7 Apr 2021 20:02

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-03-XDL

Tot Ion: 43 Resp: 10369

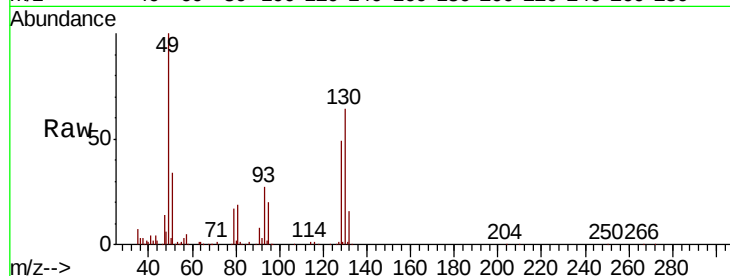
Ion Ratio Lower Upper

43 100

45 0.0 7.9 11.9#

61 1.7 7.4 11.2#

70 3.1 5.1 7.7#

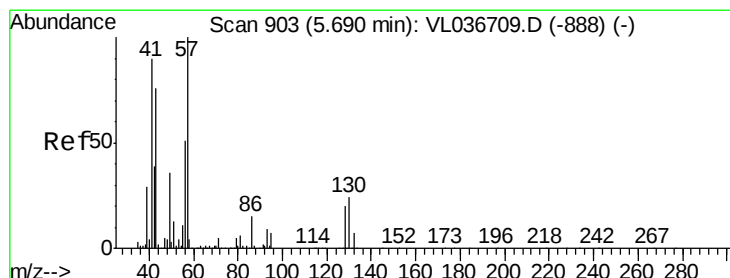
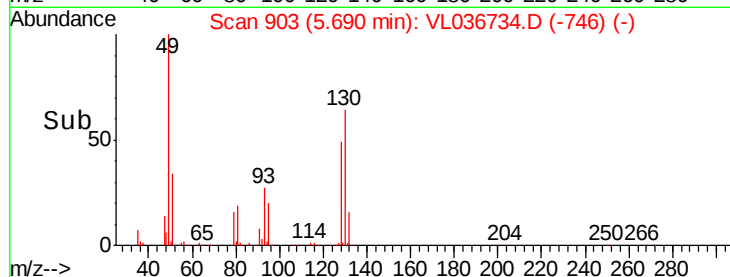
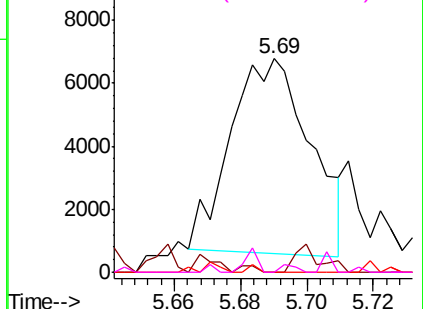


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.062 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL036734.D

Acq: 7 Apr 2021 20:02

Tgt Ion: 57 Resp: 8449

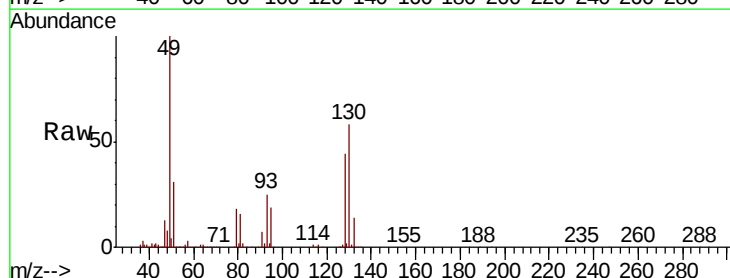
Ion Ratio Lower Upper

57 100

41 216.7 77.2 115.8#

43 0.0 173.8 260.6#

56 0.0 43.8 65.6#

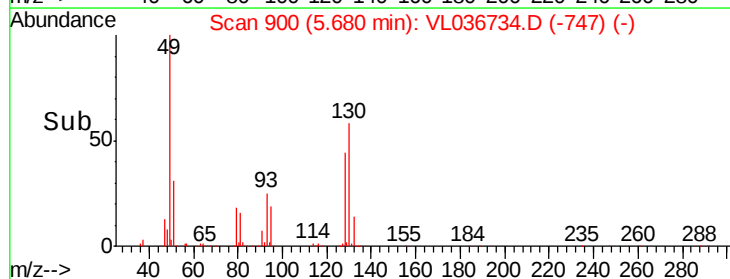
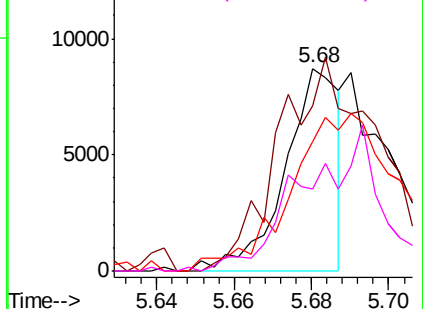


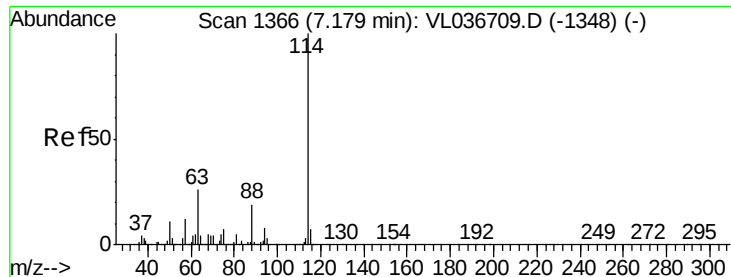
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL036734.D

Acq: 7 Apr 2021 20:02

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-03-XDL

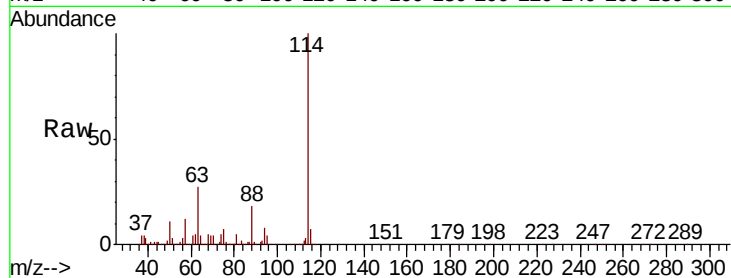
Tot Ion:114 Resp: 3265165

Ion Ratio Lower Upper

114 100

63 27.2 22.4 33.6

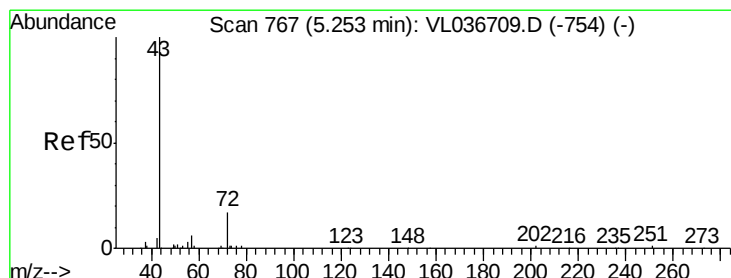
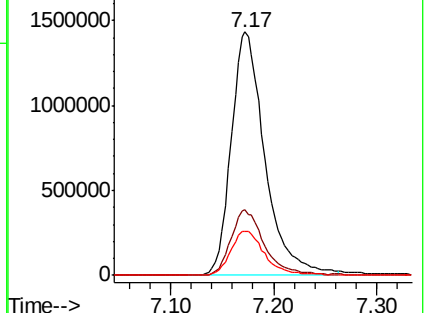
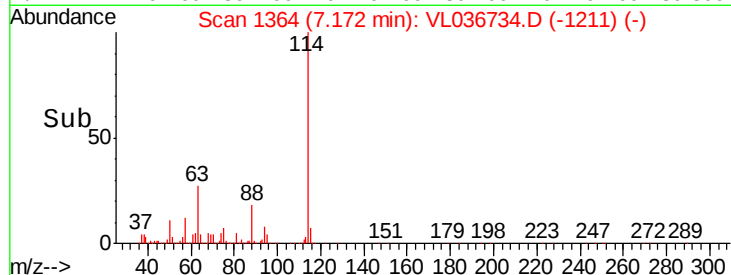
88 18.7 15.4 23.0



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: 0.065 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.01 min

Lab File: VL036734.D

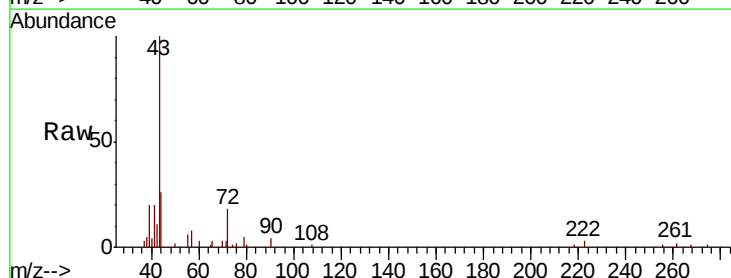
Acq: 7 Apr 2021 20:02

Tgt Ion: 43 Resp: 10384

Ion Ratio Lower Upper

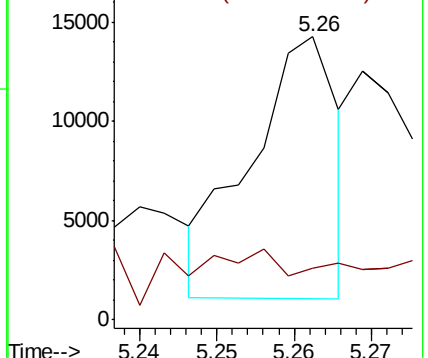
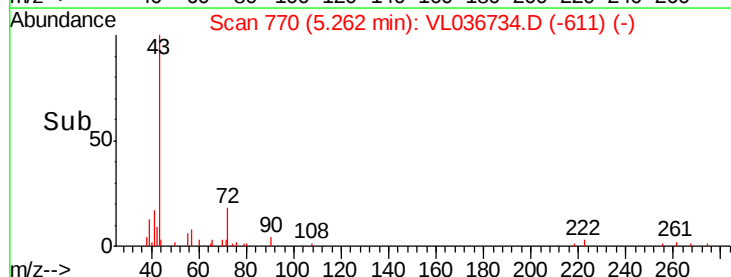
43 100

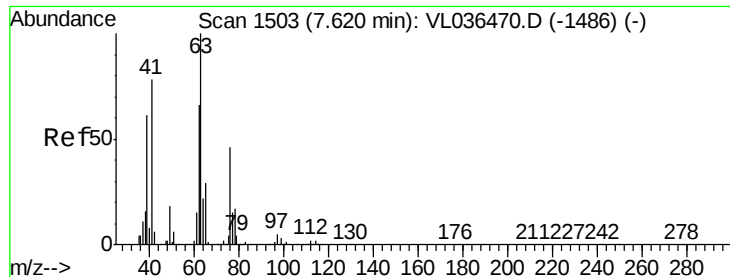
72 0.0 17.0 25.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#39

1,2-Dichloropropane

Concen: 6.980 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL036734.D

Acq: 7 Apr 2021 20:02

Instrument :

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ClientSampleId :

FS-SV-03-XDL

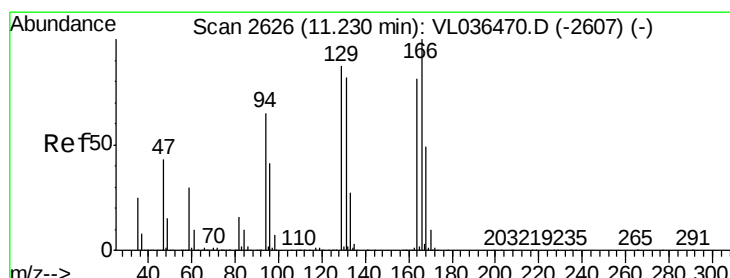
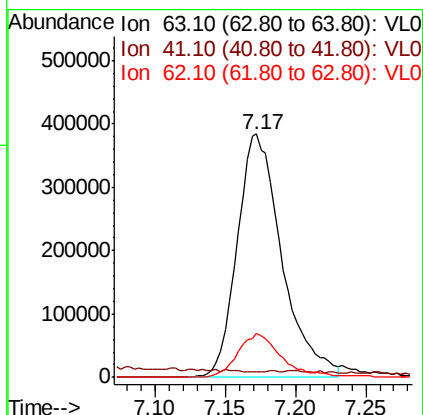
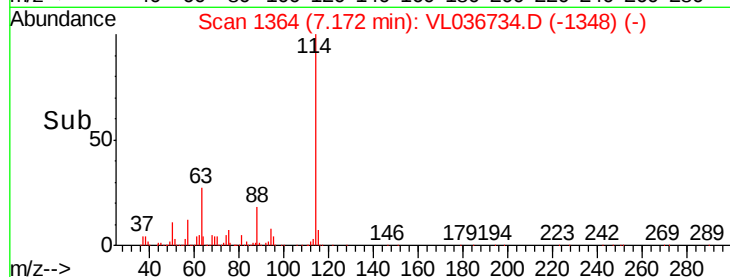
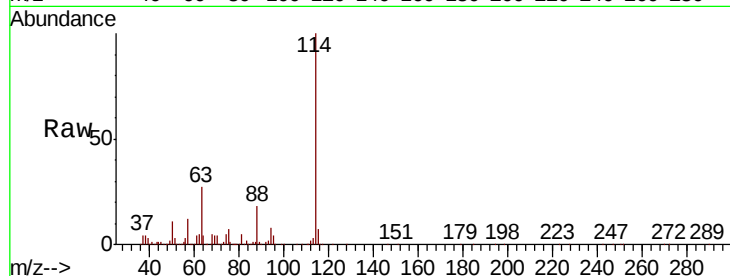
Tot Ion: 63 Resp: 852666

Ion Ratio Lower Upper

63 100

41 0.8 62.4 93.6#

62 18.3 52.8 79.2#



#52

Tetrachloroethene

Concen: 0.178 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.02 min

Lab File: VL036734.D

Acq: 7 Apr 2021 20:02

Tgt Ion: 164 Resp: 19770

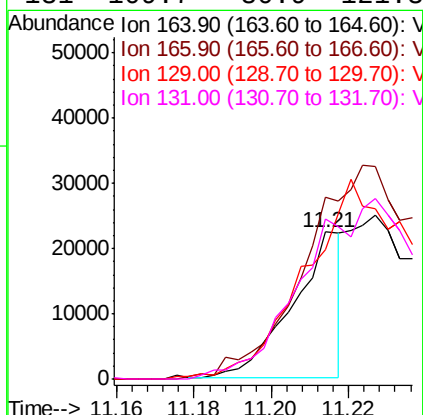
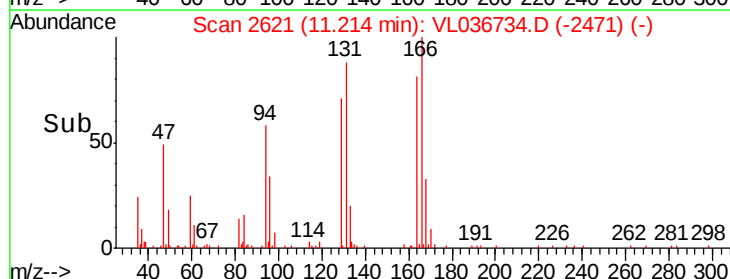
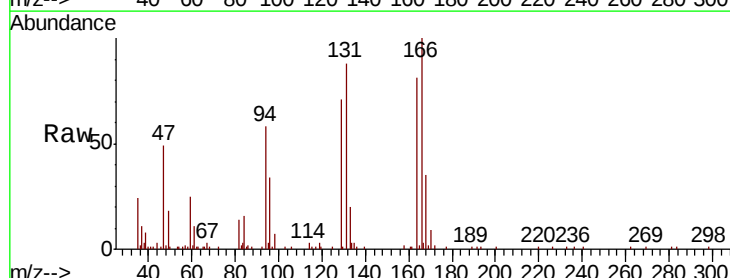
Ion Ratio Lower Upper

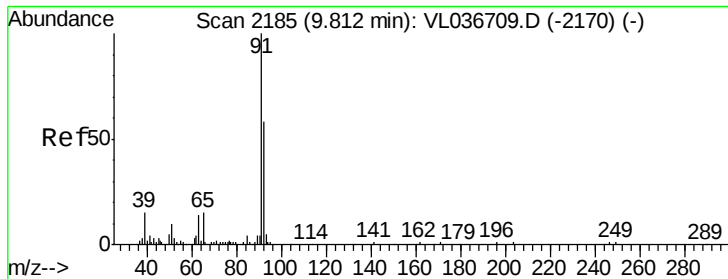
164 100

166 122.9 98.3 147.5

129 87.1 85.8 128.8

131 109.7 80.9 121.3





#53

Toluene

Concen: 0.054 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

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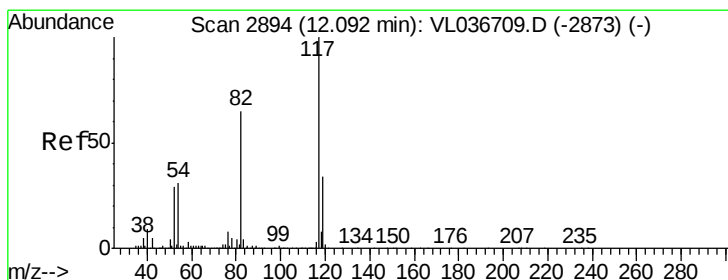
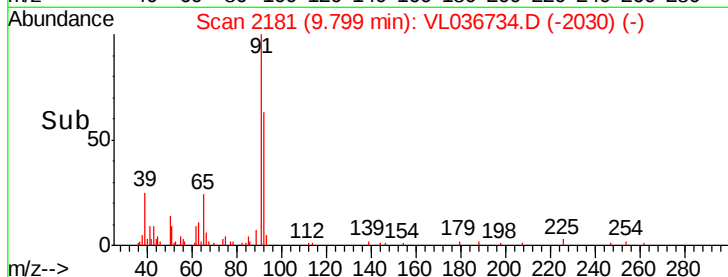
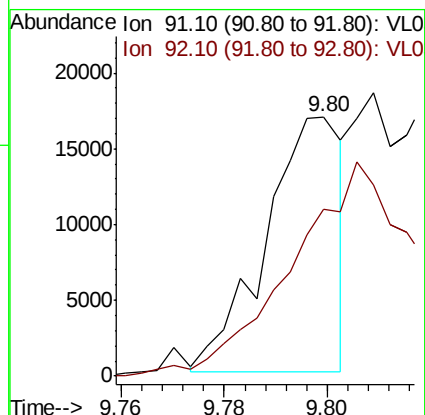
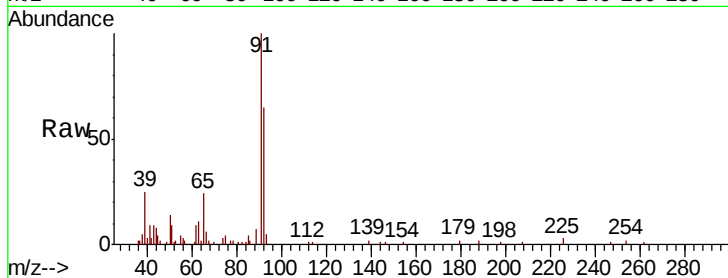
FS-SV-03-XDL

Tot Ion: 91 Resp: 17389

Ion Ratio Lower Upper

91 100

92 0.0 48.8 73.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL036734.D

Acq: 7 Apr 2021 20:02

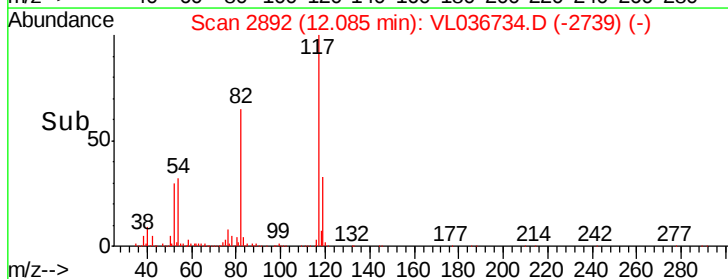
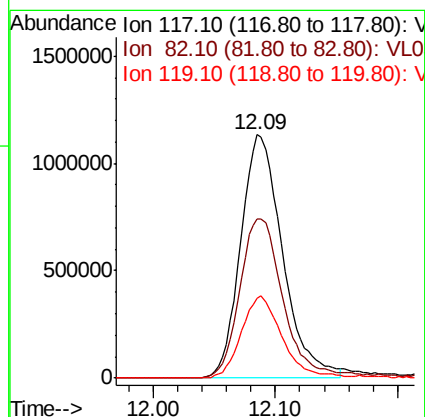
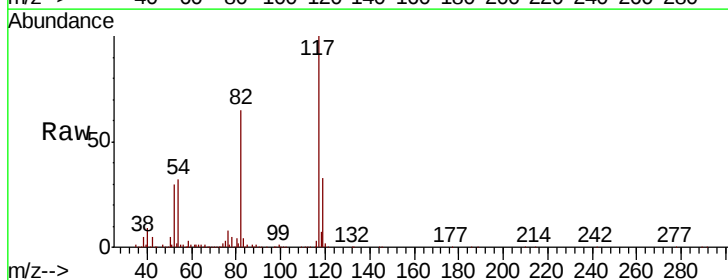
Tgt Ion: 117 Resp: 2694152

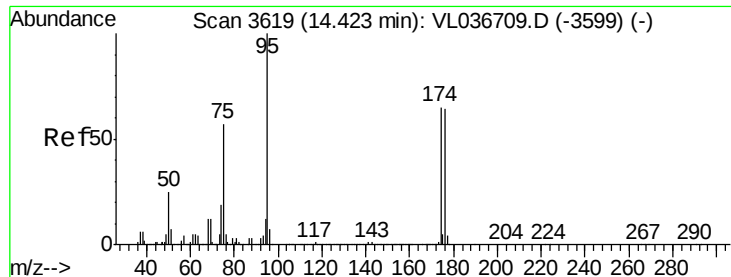
Ion Ratio Lower Upper

117 100

82 70.3 57.4 86.0

119 33.7 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.928 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL036734.D

Acq: 7 Apr 2021 20:02

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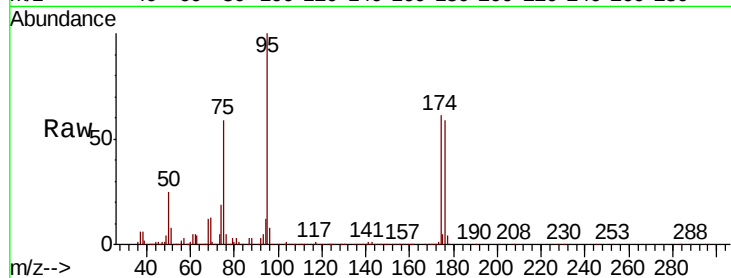
Tot Ion: 95 Resp: 2131874

Ion Ratio Lower Upper

95 100

174 65.2 51.0 76.6

175 4.9 3.9 5.9



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

